

ALL DEVELOPED COUNTRIES: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	518072	23950	1125	699	22126	3529	36548	31491	5053	163269	254232
35-69	Sm.	954090	355204	226078	57456	71670	83405	22859	364845	-	127777	-
	Total	2926238 (33%)	759238 (47%)	243356 (93%)	86150 (67%)	429732 (17%)	104493 (80%)	69009 (33%)	1094467 (33%)	105075	372642 (34%)	421314
70+	Sm.	599411	236119	157857	21568	56694	126535	19193	172629	-	44935	-
	Total	3102102 (19%)	671723 (35%)	174417 (91%)	37448 (58%)	459858 (12%)	178555 (71%)	177544 (11%)	1546206 (11%)	26387	409031 (11%)	92656
Any age	Sm.	1553501	591323	383935	79024	128364	209940	42052	537474	-	172712	-
	Total	6546412 (24%)	1454911 (41%)	418898 (92%)	124297 (64%)	911716 (14%)	286577 (73%)	283101 (15%)	2672164 (20%)	136515	944942 (18%)	768202
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	424760	20699	848	562	19289	2268	22929	28270	4463	126570	219561
35-69	Sm.	803976	309579	198769	50490	60320	60069	23216	300966	-	110146	-
	Total	2702944 (30%)	708136 (44%)	216617 (92%)	80049 (63%)	411470 (15%)	78426 (77%)	75017 (31%)	994271 (30%)	96945	356864 (31%)	393285
70+	Sm.	634839	261576	176256	23992	61328	126346	20473	176748	-	49696	-
	Total	3320416 (19%)	755892 (35%)	195694 (90%)	42407 (57%)	517791 (12%)	179578 (70%)	196257 (10%)	1599083 (11%)	26487	463540 (11%)	99579
Any age	Sm.	1438815	571155	375025	74482	121648	186415	43689	477714	-	159842	-
	Total	6448120 (22%)	1484727 (38%)	413159 (91%)	123018 (61%)	948550 (13%)	260272 (72%)	294203 (15%)	2621624 (18%)	127895	946974 (17%)	712425

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)														
1995		603178	314857	249542	47877	44764	40512	32245	32191	27325	24628	17440	10243	11097
2000		614174	306249	262547	48481	47068	43664	38996	30670	29522	24147	20437	13319	11623
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		6546412	518072	2926238	182326	236341	282531	309953	504840	604214	806033	792029	694418	1615655
2000		6448120	424760	2702944	147863	217810	290749	352897	380533	610297	702795	897976	840792	1581648
Lung cancer														
1995		418898	1125	243356	2434	7040	14650	24757	47769	63139	83567	72414	48596	53407
2000		413159	848	216617	1850	6152	14555	26086	37018	60126	70830	80095	60537	55062
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)														
All causes														
1995		1162.2*	164.7*	1374.3*	380.8	528.0	697.4	961.3	1568.3	2211.3	3272.8	4541.6	6779.8	14559.6
2000		1058.8*	139.3*	1222.4*	305.0	462.8	665.9	905.0	1240.7	2067.3	2910.5	4393.9	6312.8	13608.1
All cancer														
1995		260.6*	7.5*	375.0*	30.6	66.5	133.0	248.5	443.8	691.4	1011.3	1328.4	1710.4	2386.9
2000		243.7*	6.6*	338.7*	25.4	56.8	122.0	227.8	382.7	629.4	926.9	1276.7	1658.8	2357.9
Lung cancer														
1995		75.1*	0.3*	121.8*	5.1	15.7	36.2	76.8	148.4	231.1	339.3	415.2	474.5	481.3
2000		67.8*	0.3*	105.0*	3.8	13.1	33.3	66.9	120.7	203.7	293.3	391.9	454.5	473.7
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		22.4*	0.2*	41.3*	2.6	9.3	20.9	37.4	57.7	73.1	87.8	89.7	94.3	109.4
2000		20.5*	0.2*	36.9*	2.0	7.2	18.7	34.1	49.5	67.7	78.7	88.2	92.8	103.4
Other cancer														
1995		163.1*	6.9*	211.9*	22.9	41.4	75.9	134.3	237.7	387.2	584.2	823.4	1141.6	1796.2
2000		155.3*	6.2*	196.9*	19.6	36.5	69.9	126.8	212.4	358.0	554.8	796.5	1111.4	1780.7
Chronic obstructive pulmonary disease (COPD)														
1995		51.3*	1.1*	53.2*	4.0	7.0	11.9	23.1	53.9	98.3	174.6	266.4	421.6	801.2
2000		42.4*	0.7*	39.4*	2.3	4.4	8.5	15.4	32.6	77.4	135.4	238.8	362.5	709.8
Other respiratory disease														
1995		51.2*	12.5*	32.2*	9.2	14.4	18.1	23.0	34.2	48.0	78.1	151.0	322.3	1065.2
2000		49.2*	8.2*	33.5*	9.2	14.8	20.9	25.9	31.5	52.2	80.0	145.1	296.7	1093.4
Vascular disease														
1995		478.8*	9.6*	535.6*	68.2	129.0	211.3	325.9	606.2	925.8	1483.0	2127.1	3285.4	7558.4
2000		429.7*	8.9*	468.9*	55.3	115.6	201.6	309.6	453.4	873.3	1273.4	2074.1	2978.7	6697.9
Liver cirrhosis and some other digestive														
1995		24.2*	1.5*	47.0*	13.9	25.2	34.6	46.3	62.3	72.5	74.4	70.7	64.4	67.2
2000		21.2*	1.4*	41.2*	11.3	22.0	33.7	41.3	50.0	64.0	66.3	63.5	57.5	50.4
Other medical causes														
1995		167.6*	53.7*	163.6*	90.4	107.7	117.0	131.7	177.0	219.7	301.7	457.5	794.4	2233.8
2000		158.1*	43.9*	152.0*	66.2	90.7	114.1	130.1	152.5	214.8	295.4	450.2	792.1	2288.9
All non-medical causes														
1995		128.4*	78.9*	167.6*	164.5	178.2	171.6	162.8	191.0	155.5	149.6	140.3	181.3	447.1
2000		114.6*	69.5*	148.7*	135.2	158.5	165.2	154.9	138.2	156.2	133.1	145.7	166.5	409.8

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

1995, 2000: ALL DEVELOPED COUNTRIES
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Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	238377	21665	679	360	20626	2484	27970	14640	2339	103314	65965
35-69	Sm.	164820	58201	46287	4259	7655	21392	3796	56491	-	24940	-
	Total	1515125 (11%)	504216 (12%)	67620 (68%)	13454 (32%)	423142 (2%)	44138 (48%)	27835 (14%)	572025 (10%)	47979	198207 (13%)	120725
70+	Sm.	305513	74607	56054	6521	12032	67051	13754	113862	-	36239	-
	Total	4417049 (7%)	629059 (12%)	78016 (72%)	18051 (36%)	532992 (2%)	136088 (49%)	213327 (6%)	2586307 (4%)	25525	724582 (5%)	102161
Any age	Sm.	470333	132808	102341	10780	19687	88443	17550	170353	-	61179	-
	Total	6170551 (8%)	1154940 (11%)	146315 (70%)	31865 (34%)	976760 (2%)	182710 (48%)	269132 (7%)	3172972 (5%)	75843	1026103 (6%)	288851
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	189974	18859	543	313	18003	1450	16780	12731	2222	80847	57085
35-69	Sm.	155063	59476	48022	4120	7334	18968	3800	46814	-	26005	-
	Total	1403424 (11%)	486619 (12%)	69681 (69%)	12877 (32%)	404061 (2%)	36555 (52%)	30219 (13%)	502618 (9%)	43167	193334 (13%)	110912
70+	Sm.	349322	87887	66864	7212	13811	77508	14817	121028	-	48082	-
	Total	4616462 (8%)	685825 (13%)	91754 (73%)	18924 (38%)	575147 (2%)	139988 (55%)	232037 (6%)	2622462 (5%)	25085	808721 (6%)	102344
Any age	Sm.	504385	147363	114886	11332	21145	96476	18617	167842	-	74087	-
	Total	6209860 (8%)	1191303 (12%)	161978 (71%)	32114 (35%)	997211 (2%)	177993 (54%)	279036 (7%)	3137811 (5%)	70474	1082902 (7%)	270341

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

			35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK	
POPULATION (1000s; UN, 2002 revision)													
1995	639287	304276	266523	48086	45461	41392	33745	35254	31243	31343	26362	17230	24897
2000	650173	295191	278643	48522	47892	45105	40759	33065	33925	29374	28249	22322	25768
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	6170551	238377	1515125	64438	90532	120393	144170	244171	324135	527286	705367	757055	2954627
2000	6209860	189974	1403424	57081	87531	124082	164483	194137	330989	445121	720650	931528	2964284
Lung cancer													
1995	146315	679	67620	1152	2492	4909	7372	11271	16587	23837	26841	21638	29537
2000	161978	543	69681	1035	2856	5381	8789	12168	17093	22359	28618	27988	35148
ANNUAL DEATH RATE / 100,000													
All causes													
1995	681.9*	80.6*	637.7*	134.0	199.1	290.9	427.2	692.6	1037.5	1682.3	2675.7	4393.8	11867.5
2000	637.9*	66.9*	579.6*	117.6	182.8	275.1	403.5	587.1	975.6	1515.3	2551.0	4173.1	11503.9
All cancer													
1995	144.4*	6.9*	211.6*	36.3	64.6	110.9	171.5	250.5	352.8	494.8	668.8	856.4	1225.8
2000	138.4*	6.2*	199.6*	32.3	60.4	102.8	162.6	236.2	336.8	466.4	635.5	841.8	1235.7
Lung cancer													
1995	18.6*	0.2*	29.0*	2.4	5.5	11.9	21.8	32.0	53.1	76.1	101.8	125.6	118.6
2000	19.0*	0.2*	29.3*	2.1	6.0	11.9	21.6	36.8	50.4	76.1	101.3	125.4	136.4
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	3.9*	0.1*	5.7*	0.7	1.3	2.5	4.7	6.6	10.1	14.2	18.1	23.9	36.8
2000	3.7*	0.1*	5.3*	0.6	1.3	2.7	4.4	6.4	9.0	12.8	16.9	21.8	36.0
Other cancer													
1995	121.9*	6.5*	177.0*	33.2	57.8	96.5	145.0	212.0	289.6	404.5	548.8	707.0	1070.4
2000	115.7*	5.9*	165.1*	29.6	53.2	88.1	136.6	193.0	277.4	377.4	517.3	694.6	1063.2
Chronic obstructive pulmonary disease (COPD)													
1995	19.9*	0.8*	19.2*	1.8	3.0	4.9	9.1	18.6	34.0	62.8	105.1	169.0	318.4
2000	17.7*	0.5*	15.9*	1.3	2.2	4.0	7.3	14.8	27.9	53.5	94.9	151.7	307.9
Other respiratory disease													
1995	28.5*	10.1*	11.6*	3.2	4.7	5.7	7.7	11.0	17.9	31.0	65.8	153.4	681.0
2000	26.9*	6.4*	12.4*	3.4	4.7	6.4	8.4	11.9	18.6	33.2	62.2	139.9	711.1
Vascular disease													
1995	323.9*	4.6*	247.7*	22.0	40.3	70.2	119.0	245.5	426.8	810.3	1408.8	2478.1	7181.5
2000	298.0*	4.2*	216.1*	19.2	37.1	65.4	110.4	183.8	399.4	697.1	1356.9	2336.6	6665.6
Liver cirrhosis and some other digestive													
1995	10.7*	0.7*	19.6*	5.3	9.2	12.8	18.7	27.5	29.8	34.0	36.2	37.8	38.0
2000	9.4*	0.7*	17.0*	4.8	8.4	12.3	16.0	21.3	27.0	29.1	32.7	34.6	31.5
Other medical causes													
1995	114.9*	36.0*	81.6*	30.3	36.8	44.2	56.4	85.6	126.1	191.5	321.5	597.0	2156.7
2000	112.2*	29.9*	77.9*	26.2	34.1	44.2	57.6	78.5	118.1	186.8	305.3	578.5	2302.7
All non-medical causes													
1995	39.7*	21.5*	46.4*	35.2	40.6	42.3	44.7	53.7	50.0	58.0	69.6	102.1	266.0
2000	35.3*	19.0*	40.8*	30.5	35.8	39.9	41.1	40.6	47.9	49.4	63.5	90.1	249.4

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

ALL DEVELOPED COUNTRIES: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (millions)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.4	– / 0.2	–
35–69	0.8 / 2.7	0.2 / 1.4	22 years
70+	0.6 / 3.3	0.3 / 4.6	8 years
All ages	1.4 / 6.4	0.5 / 6.2	15 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

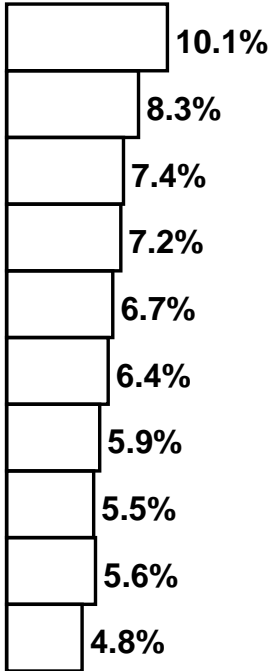
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.8	199/217	176/196	375/413	–/0.5	48/70	67/92	115/162
All Cancer	–/21	310/708 (44%)	262/756 (35%)	571/1485	–/19	59/487 (12%)	88/686 (13%)	147/1191
Vascular	–/28	301/994	177/1599	478/2622	–/13	47/503	121/2622	168/3138
Respiratory	–/25	83/153	147/376	230/554	–/18	23/67	92/372	115/457
All Other	–/351	110/847	50/590	160/1787	–/140	26/347	48/936	74/1424
All Causes	–/425	804/2703 (30%)	635/3320 (19%)	1439/6448	–/190	155/1403 (11%)	349/4616 (8%)	504/6210

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (millions) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	0.6 / 1.5 (38%)	0.1 / 1.2 (12%)	0.7 / 2.7 (27%)
All Causes	1.4 / 6.4 (22%)	0.5 / 6.2 (8%)	1.9 / 13 (15%)

1955-2000: ALL DEVELOPED COUNTRIES

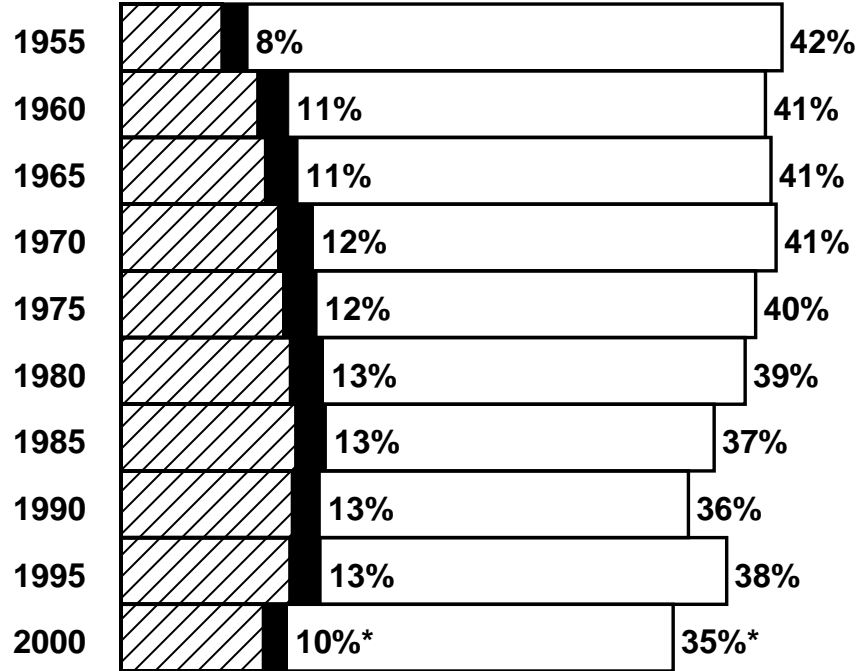
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

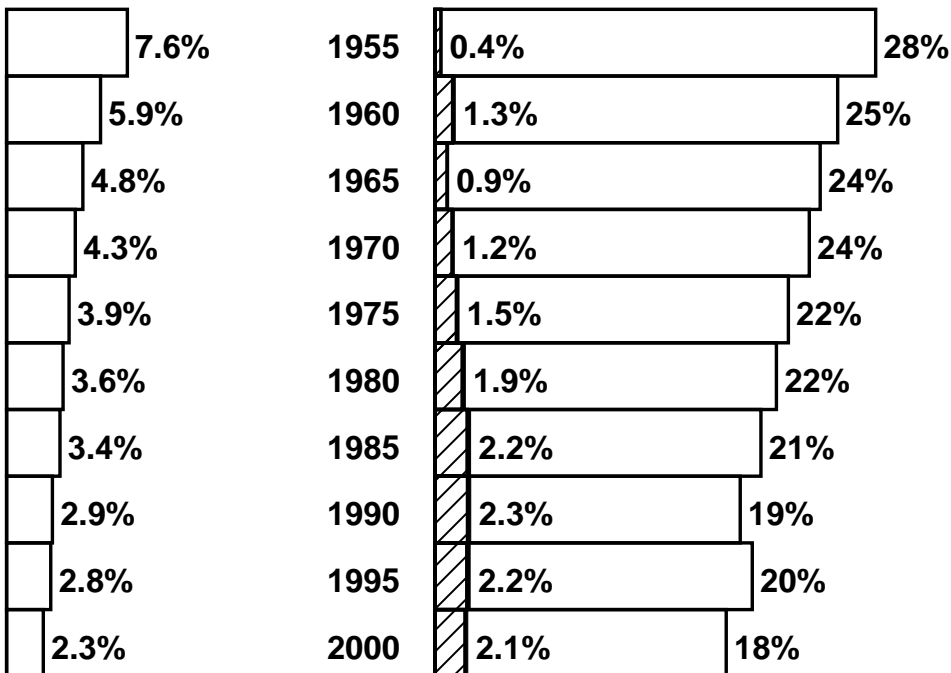
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 35 would die before age 70 (with 10 of these deaths attributed to smoking)

FEMALE



ALL DEVELOPED COUNTRIES: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/879	359/1820 (20%)	91/1644 (6%)	450/4343	-/653	21/1356 (2%)	7.0/2019 (0.3%)	28/4028
1960	-/737	442/1841 (24%)	137/1808 (8%)	578/4386	-/517	29/1297 (2%)	10/2192 (0.5%)	39/4006
1965	-/663	568/2072 (27%)	217/2007 (11%)	785/4742	-/426	50/1376 (4%)	20/2480 (0.8%)	70/4282
1970	-/637	662/2268 (29%)	317/2202 (14%)	979/5107	-/372	75/1441 (5%)	42/2804 (1%)	117/4617
1975	-/605	704/2308 (31%)	420/2432 (17%)	1124/5344	-/340	97/1425 (7%)	73/3132 (2%)	170/4897
1980	-/597	759/2346 (32%)	492/2682 (18%)	1251/5624	-/312	123/1399 (9%)	112/3501 (3%)	234/5211
1985	-/555	812/2324 (35%)	565/2918 (19%)	1377/5797	-/299	145/1356 (11%)	176/3941 (4%)	321/5595
1990	-/521	868/2482 (35%)	552/2862 (19%)	1420/5865	-/258	161/1393 (12%)	239/4023 (6%)	400/5674
1995	-/518	954/2926 (33%)	599/3102 (19%)	1554/6546	-/238	165/1515 (11%)	306/4417 (7%)	470/6171
2000	-/425	804/2703 (30%)	635/3320 (19%)	1439/6448	-/190	155/1403 (11%)	349/4616 (8%)	504/6210

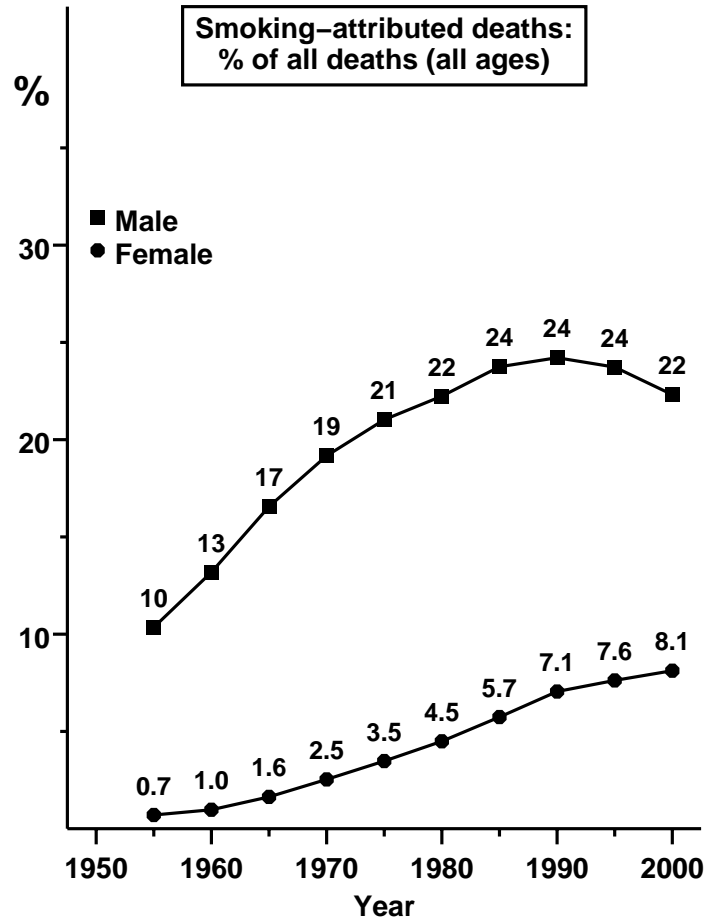
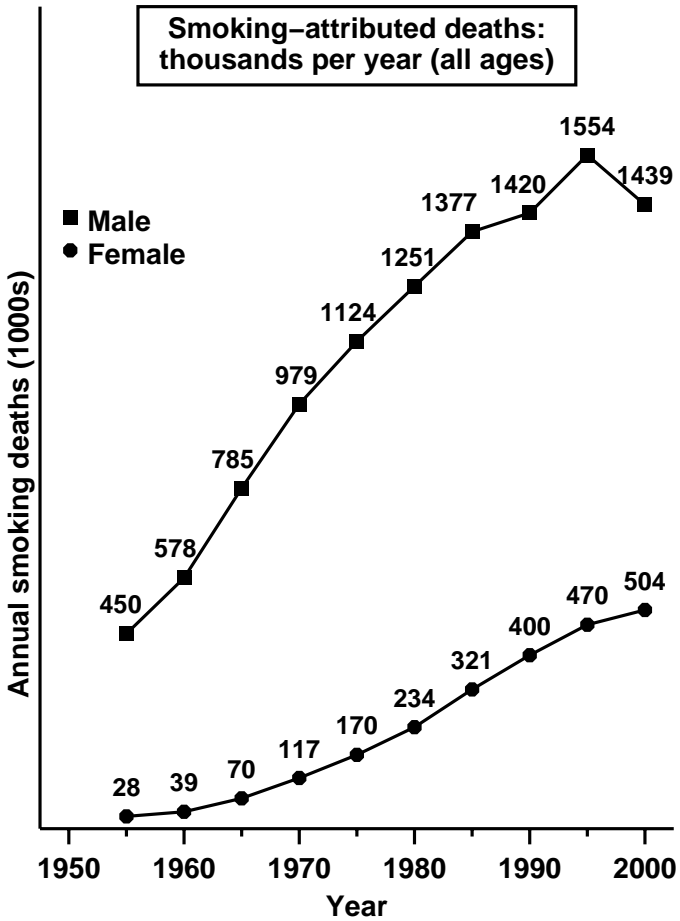
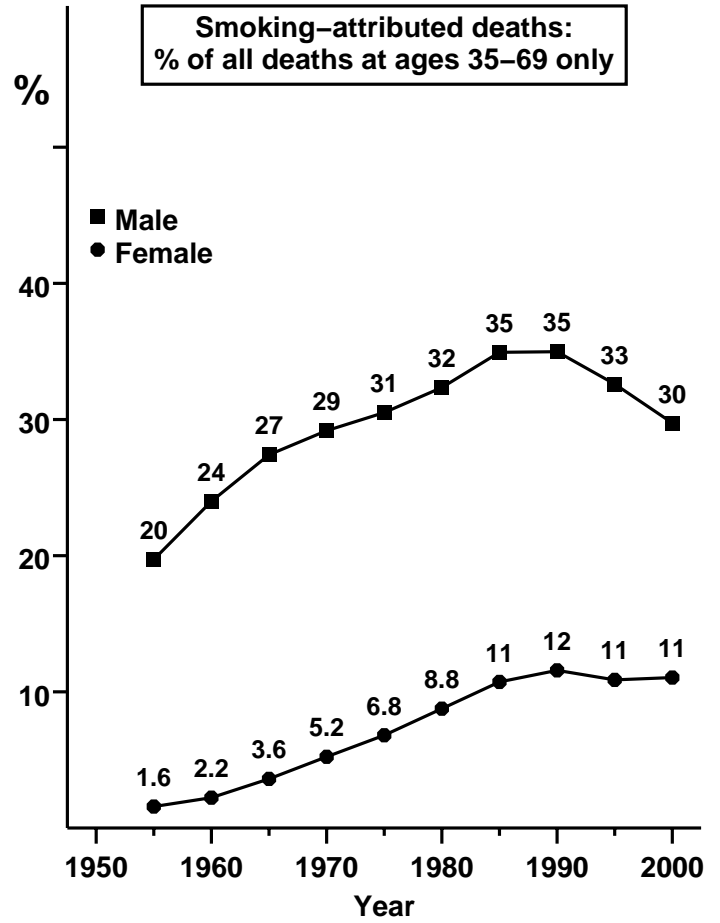
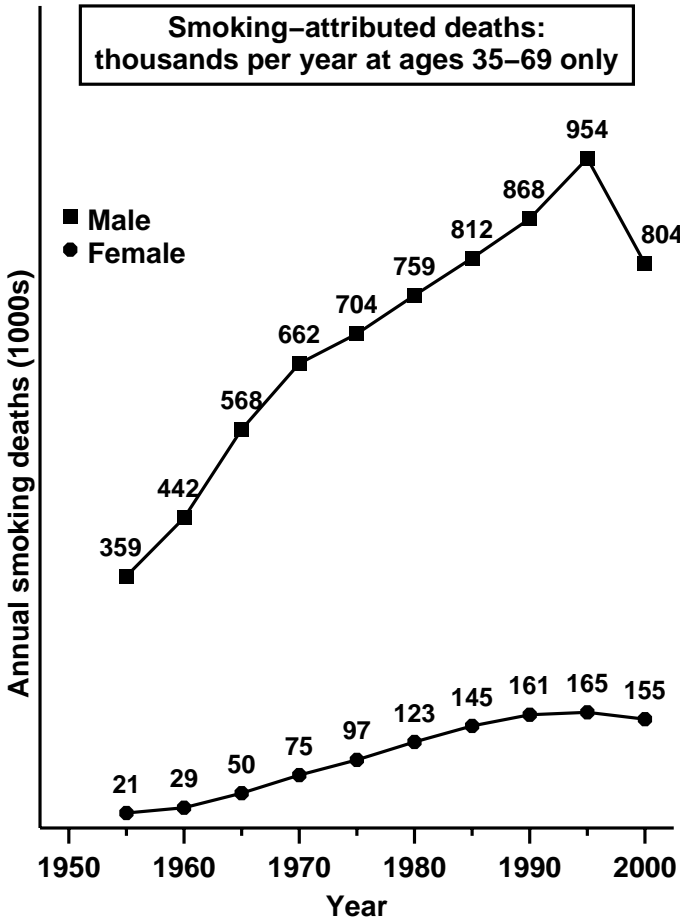
50-year total* (M=millions), mid-1950 to mid-2000: 63/ 517M

1950-2000 by age & sex:

-/32M	34/114M	19/121M	53/268M	-/20M	4.8/70M	5.8/160M	11/250M
	(30%)	(16%)			(7%)	(4%)	

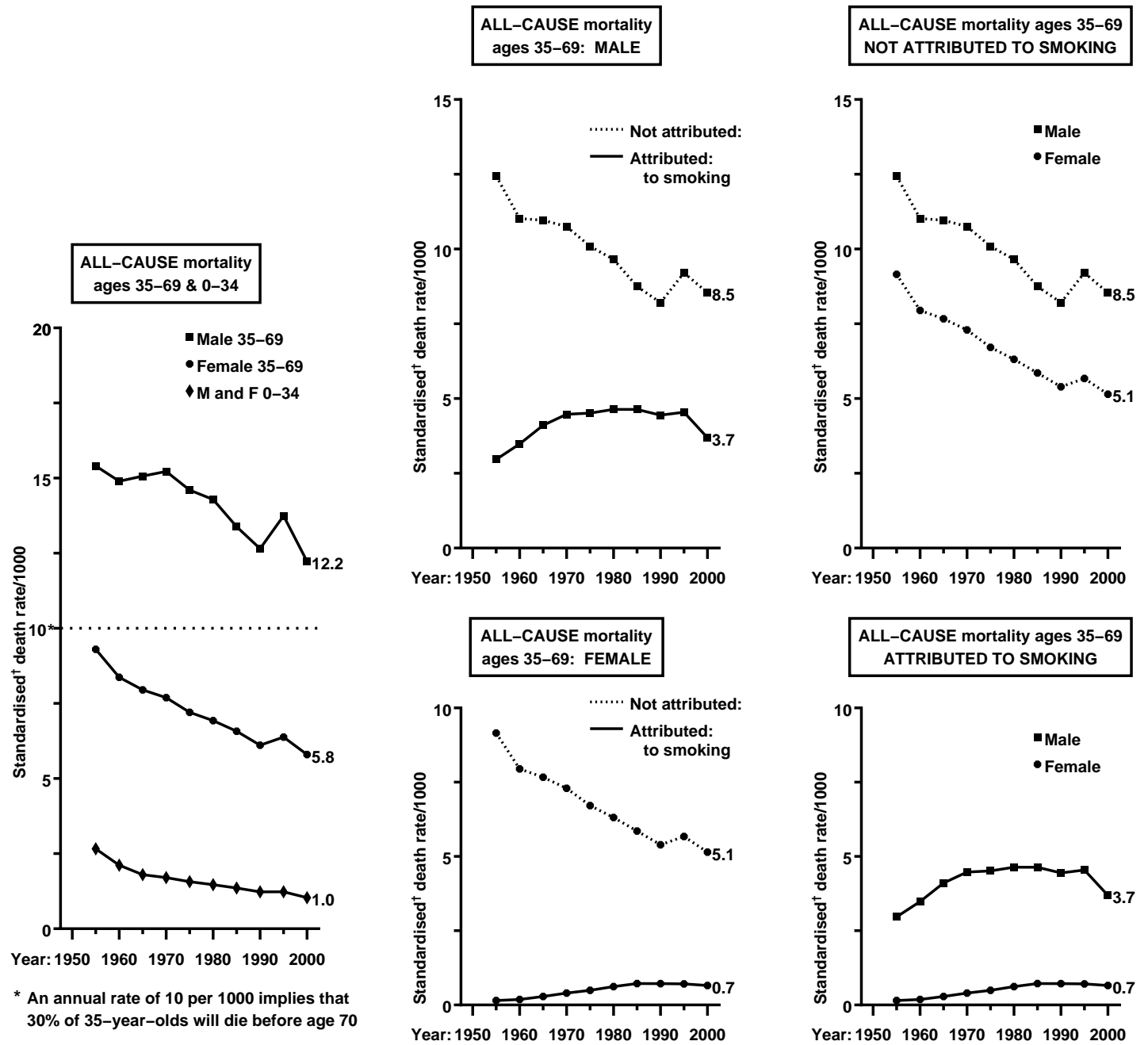
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: ALL DEVELOPED COUNTRIES



ALL DEVELOPED COUNTRIES: 1955-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

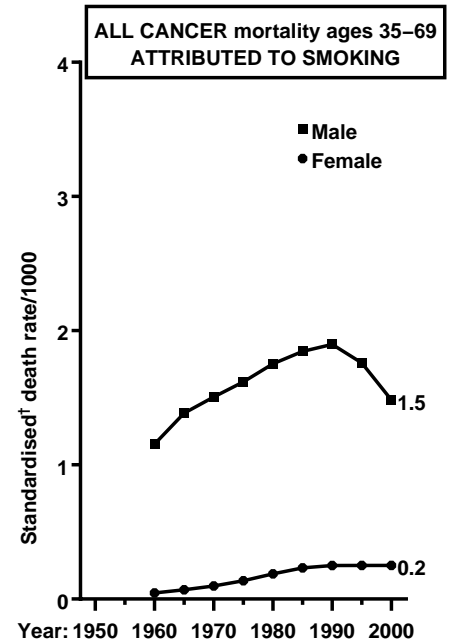
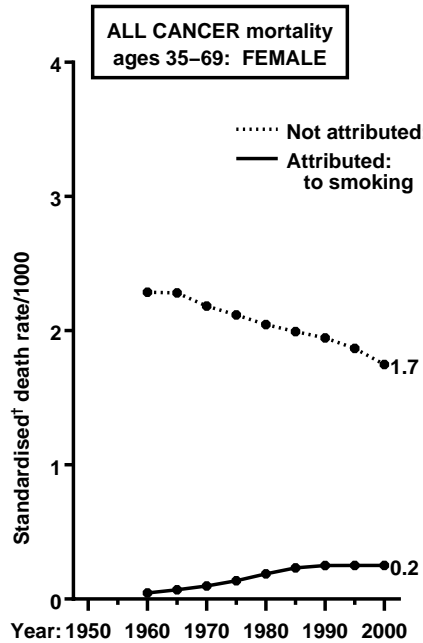
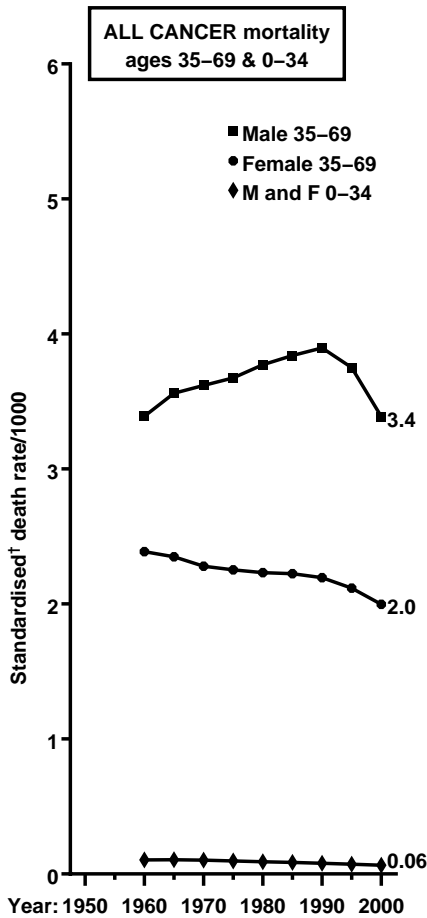
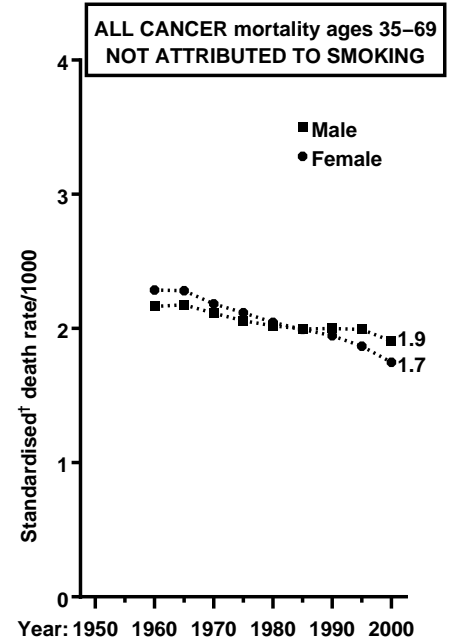
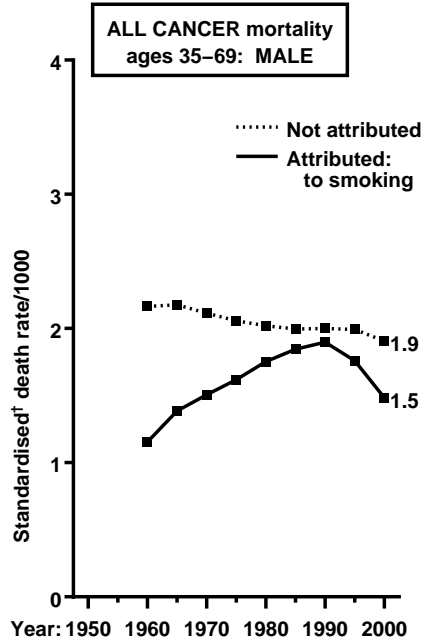
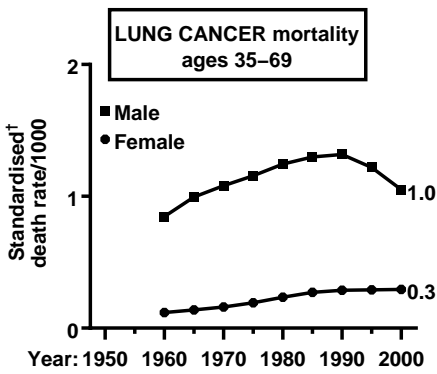
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	3.05	2.96	12.4	4.69	70.4	-	2.26	0.15	9.15	0.26	55.9	-	1.74	0.31	51.1
1960	-	2.48	3.48	11.0	6.45	66.5	-	1.41	0.18	7.94	0.56	49.9	-	1.26	0.90	48.1
1965	-	2.19	4.10	11.0	9.31	65.7	-	1.15	0.28	7.66	1.30	45.3	-	1.04	2.27	38.7
1970	-	2.13	4.47	10.7	14.3	60.2	-	0.98	0.40	7.29	2.88	33.8	-	0.84	3.18	32.2
1975	-	1.98	4.51	10.1	14.6	53.0	-	0.81	0.49	6.71	3.02	30.6	-	0.71	3.18	32.2
1980	-	1.89	4.64	9.65	14.3	56.0	-	0.67	0.62	6.31	3.02	30.6	-	0.71	3.18	32.2
1985	-	1.73	4.63	8.75	14.6	53.0	-	0.67	0.72	5.85	3.02	30.6	-	0.71	3.18	32.2
1990	-	1.61	4.44	8.21	13.3	46.4	-	0.67	0.72	5.39	3.02	30.6	-	0.67	3.02	30.6
1995	-	1.65	4.54	9.20	12.7	43.9	-	0.67	0.71	5.67	3.02	30.6	-	0.67	3.02	30.6
2000	-	1.39	3.69	8.54	11.7	41.9	-	0.67	0.65	5.14	3.02	30.6	-	0.67	3.02	30.6

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1960-2000: ALL DEVELOPED COUNTRIES

Trends in ALL CANCER mortality attributed and not attributed to smoking



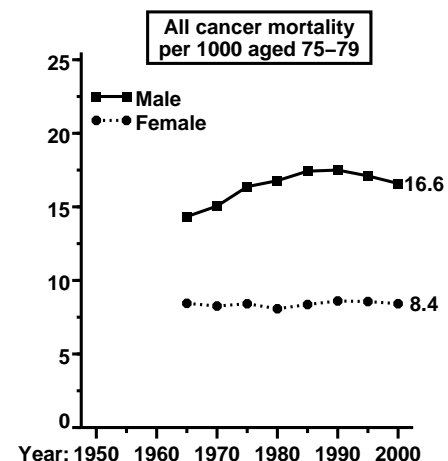
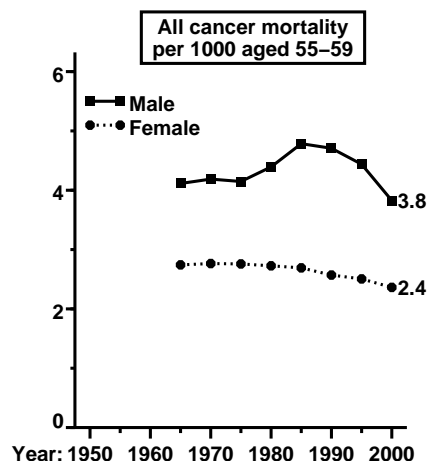
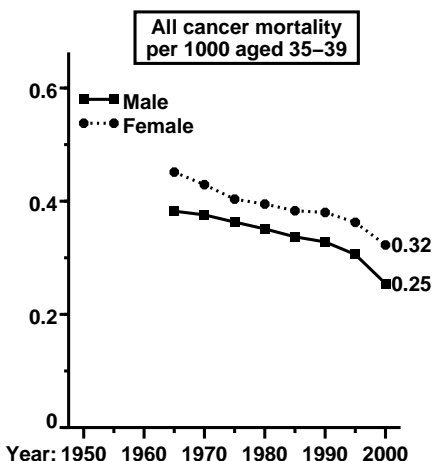
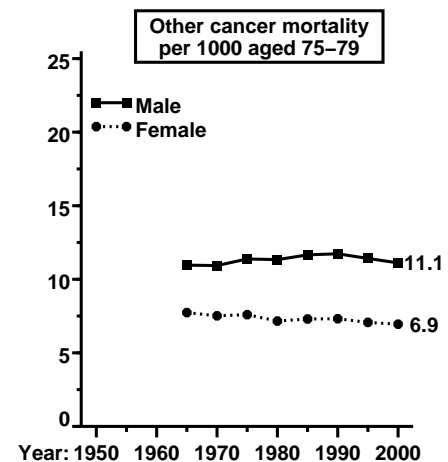
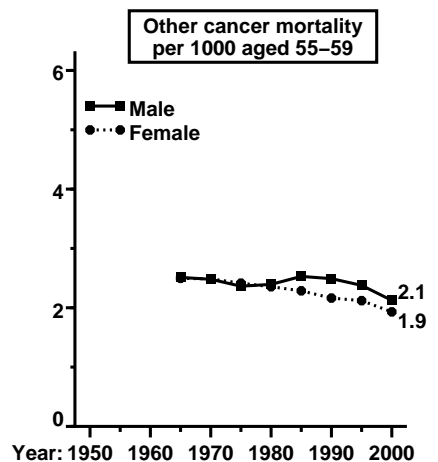
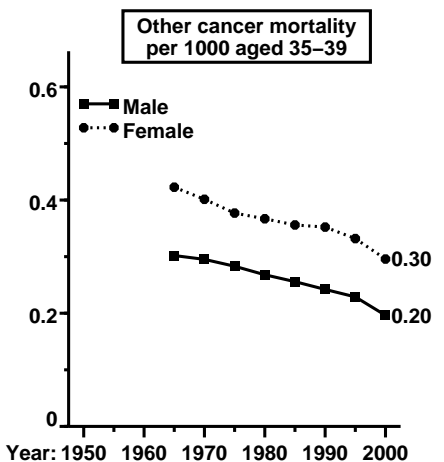
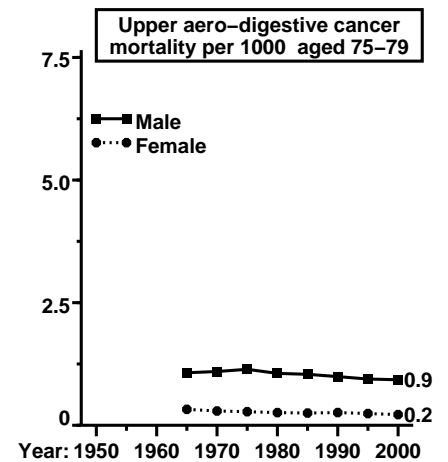
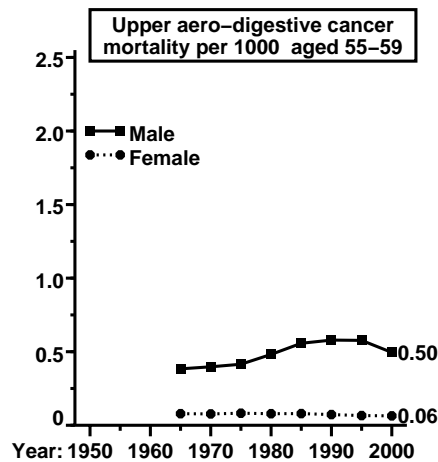
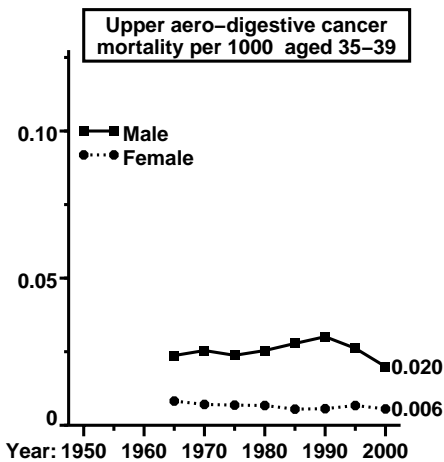
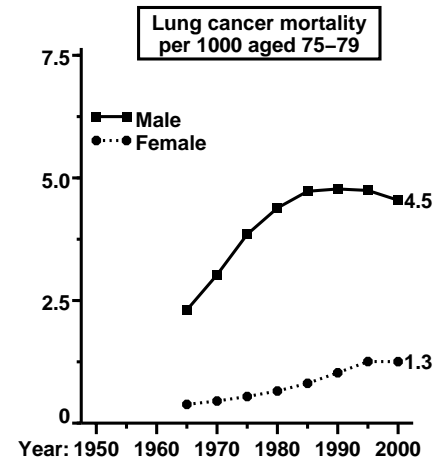
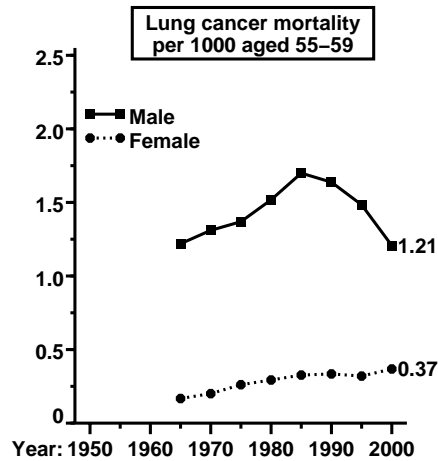
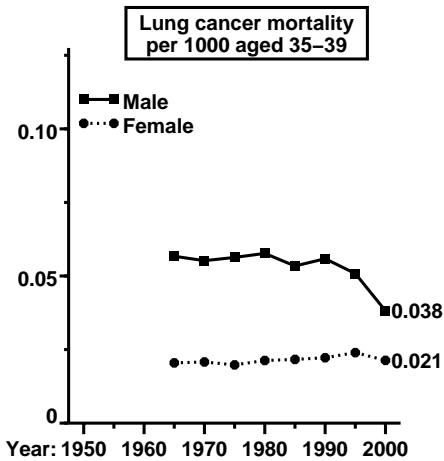
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955		
1960	-	0.11	1.15	2.16	2.20	9.90	-	0.10	0.04	2.29	0.06	7.44	-	7.44		
1965	-	0.11	1.38	2.18	3.15	10.0	-	0.10	0.07	2.28	0.10	7.55	-	7.55		
1970	-	0.11	1.50	2.11	4.06	9.77	-	0.09	0.10	2.18	0.17	7.25	-	7.25		
1975	-	0.10	1.62	2.06	5.03	9.82	-	0.09	0.14	2.12	0.28	7.19	-	7.19		
1980	-	0.09	1.75	2.02	5.50	9.54	-	0.08	0.19	2.04	0.42	6.82	-	6.82		
1985	-	0.09	1.84	1.99	5.83	9.62	-	0.08	0.23	1.99	0.63	6.88	-	6.88		
1990	-	0.08	1.90	2.00	5.86	9.52	-	0.07	0.25	1.94	0.90	6.75	-	6.75		
1995	-	0.07	1.76	1.99	5.78	9.41	-	0.07	0.25	1.87	1.05	6.58	-	6.58		
2000	-	0.07	1.48	1.90	5.46	9.22	-	0.06	0.25	1.75	1.03	6.35	-	6.35		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

ALL DEVELOPED COUNTRIES: 1965-2000

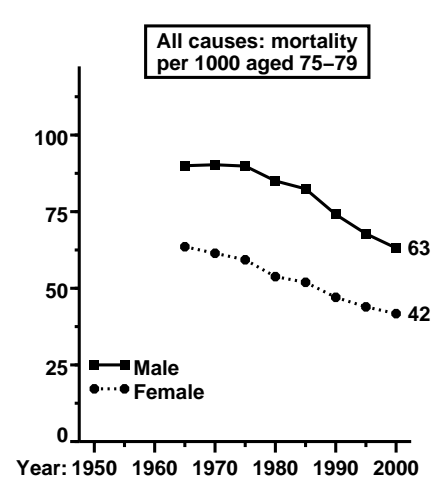
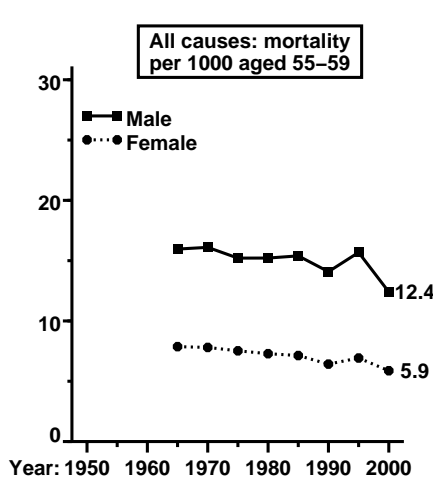
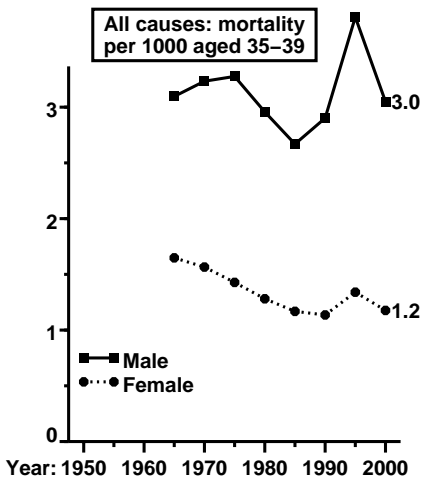
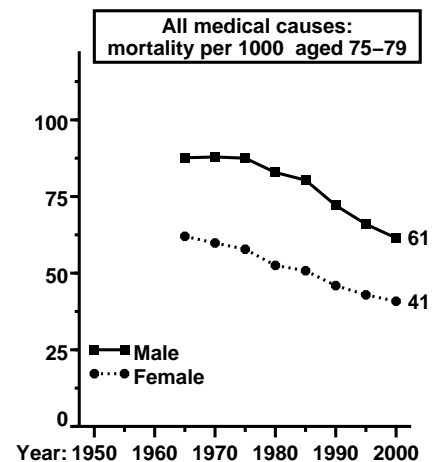
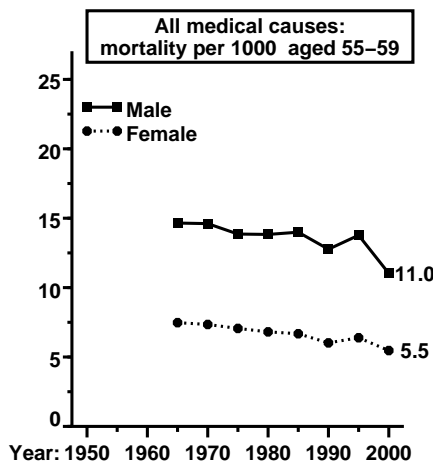
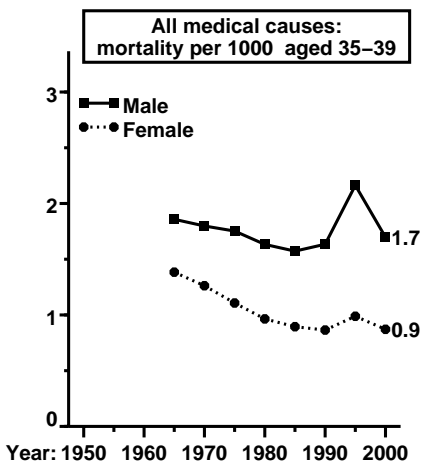
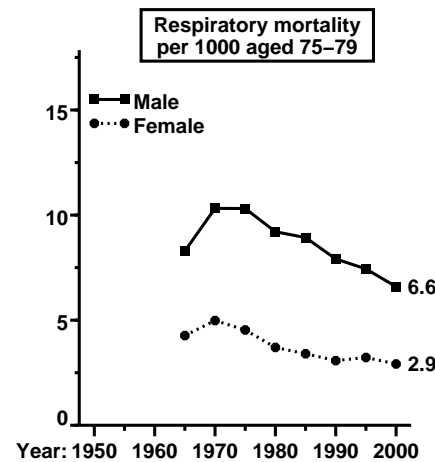
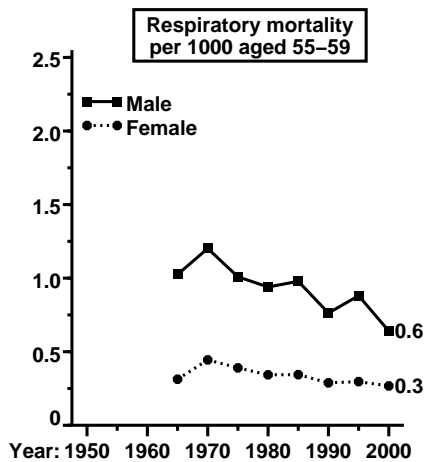
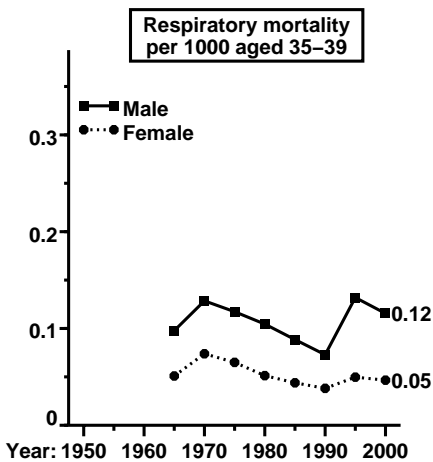
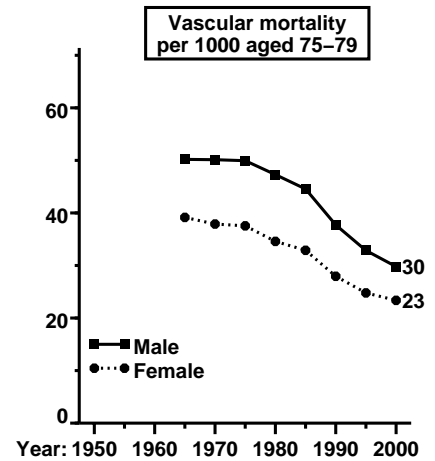
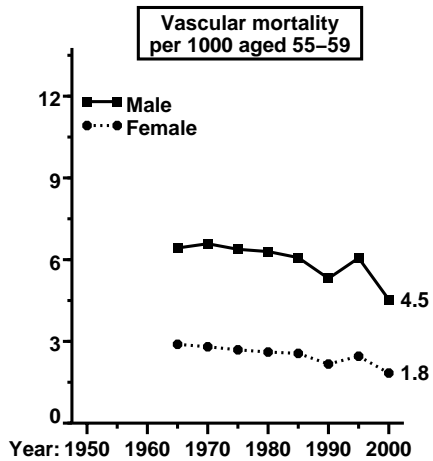
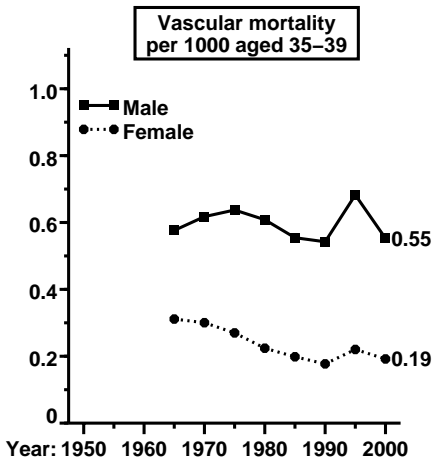
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: 1965, 1975, 1985, 1990, 1995 and 2000

1965-2000: ALL DEVELOPED COUNTRIES

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: 1965, 1975, 1985, 1990, 1995 and 2000

2000: EUROPEAN UNION (15 countries - EU15)

Annual death rates / 100,000 (zero denoted by -)									9th ICD/10th ICD categories			
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
150.8	233.7	364.9	555.5	848.9	1366.2	2222.0	3565.7	5821.8	13925.6	M	ALL CAUSES	001-999/A00-Y89
74.8	122.0	191.9	287.4	418.9	649.5	1059.6	1833.1	3338.7	11340.1	F		
0.4	0.5	0.6	0.8	1.2	1.7	2.9	5.2	10.5	17.3	M	Tuberculosis	010-018, 137/
0.1	0.1	0.3	0.2	0.3	0.6	1.3	2.4	4.3	7.6	F		A15-A19, B90
8.1	6.5	3.9	2.5	2.0	1.7	1.4	0.8	0.5	0.3	M	HIV	279.5, 279.6/B20-B24
2.1	1.4	0.7	0.3	0.2	0.3	0.2	0.2	0.1	0.1	F		
2.2	2.7	4.0	5.5	7.4	11.8	20.1	32.1	49.8	109.8	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.0	1.3	1.9	2.6	4.2	7.4	12.8	21.3	35.7	95.9	F		
22.2	51.8	112.0	209.8	350.4	568.0	889.9	1281.3	1765.0	2690.6	M	ALL CANCER	140-208/C00-C97
28.1	56.0	95.5	153.5	226.0	320.5	446.2	628.9	862.2	1424.3	F		
1.1	4.1	10.0	15.9	20.2	22.8	25.3	25.4	25.4	30.6	M	Mouth and pharynx cancer	140-149/C00-C14
0.3	1.0	1.9	2.8	3.5	4.2	4.9	5.6	6.9	14.0	F		
0.7	2.3	6.1	11.6	17.7	24.2	31.4	37.9	45.7	55.3	M	Oesophagus cancer	150/C15
0.1	0.4	0.9	1.9	3.1	4.5	6.2	9.4	13.1	24.1	F		
1.4	3.1	5.7	10.4	17.2	31.1	50.8	76.2	107.8	172.5	M	Stomach cancer	151/C16
1.5	2.2	3.3	5.0	7.6	12.5	20.6	31.9	48.1	98.2	F		
1.6	3.9	8.2	17.1	32.5	57.9	95.3	141.1	206.1	335.5	M	Colorectal cancer	153, 154/C18-C21
1.6	3.6	7.1	12.4	21.0	32.8	50.5	77.3	120.5	244.4	F		
0.4	1.2	2.8	6.1	11.0	20.9	35.3	47.5	56.8	57.4	M	Liver cancer	155.0/C22 excl C221
0.2	0.4	0.8	1.1	2.4	4.3	8.1	13.4	17.7	23.4	F		
0.8	2.3	4.9	10.4	19.9	30.3	43.0	58.3	75.3	100.7	M	Pancreas cancer	157/C25
0.5	1.2	3.1	5.9	10.8	18.3	26.7	41.1	60.0	87.9	F		
0.3	1.5	3.6	6.6	9.1	11.8	16.4	19.2	23.0	27.8	M	Larynx cancer	161/C32
0.0	0.1	0.4	0.5	0.7	0.8	1.1	1.6	1.6	2.5	F		
3.3	12.3	31.4	63.6	112.0	179.1	279.6	384.1	462.1	475.4	M	Lung cancer	162/C33, C34
1.9	6.6	12.5	20.3	31.6	42.2	60.7	83.9	97.6	102.2	F		
1.1	1.7	2.5	3.6	4.7	5.7	7.6	9.7	10.9	16.2	M	Malignant melanoma	172/C43
0.9	1.5	1.8	2.5	2.9	3.5	4.5	5.7	7.1	11.7	F		
9.5	18.6	30.3	46.8	60.0	71.8	79.4	96.9	120.3	197.7	F	Female breast cancer	174/C50
2.3	3.6	4.2	4.3	4.4	5.1	5.9	7.2	8.9	11.7	F	Cervix cancer	180/C53
0.6	1.1	2.2	4.0	6.2	10.1	14.8	20.6	27.0	42.7	F	Other uterine cancer	179, 182/C54, C55
1.3	3.2	6.4	11.6	18.0	24.6	30.5	37.5	45.6	55.1	F	Ovarian cancer	183/C56, C570-C574
0.1	0.2	0.9	3.1	9.0	27.3	59.2	116.6	234.3	596.9	M	Prostate cancer	185/C61
0.2	0.6	1.7	4.1	7.7	16.0	31.0	55.0	87.1	165.9	M	Bladder cancer	188/C67
0.1	0.2	0.6	1.0	1.6	3.6	5.7	11.2	18.3	45.6	F		
7.2	13.4	25.9	43.7	66.3	103.2	155.3	219.0	298.3	456.9	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
4.9	8.5	14.2	24.3	37.7	58.0	88.9	128.5	186.4	335.3	F		
0.4	0.5	0.6	0.6	0.8	1.2	1.6	2.0	3.0	3.6	M	Hodgkin's disease	201/C81
0.3	0.3	0.3	0.4	0.4	0.6	1.0	1.4	1.8	2.2	F		
1.9	2.6	4.5	8.0	14.0	22.6	35.2	52.4	74.9	103.4	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.9	1.7	2.9	5.3	9.1	14.6	24.2	36.2	51.6	72.6	F		
1.7	2.3	3.0	5.0	8.3	13.8	22.8	37.0	54.5	92.5	M	Leukaemia	204-208/C91-C95
1.1	1.7	2.6	3.5	4.9	8.8	12.4	19.7	29.7	53.1	F		
1.3	2.5	4.2	7.7	13.4	24.0	45.2	73.3	121.2	256.2	M	Diabetes	250/E10-E14
0.7	1.0	1.8	3.3	6.5	13.9	31.0	57.0	106.7	287.3	F		
21.3	47.2	87.6	148.9	244.3	427.1	757.5	1329.2	2341.5	6307.8	M	ALL VASCULAR DISEASE	390-459/I00-199
9.4	17.5	29.4	47.0	76.6	155.6	318.7	676.8	1455.9	5893.6	F		
0.1	0.3	0.5	0.8	1.5	2.7	4.6	7.4	11.4	19.2	M	Rheumatic heart disease and fever	390-398/I00-109
0.1	0.2	0.4	0.8	1.7	3.5	6.8	11.0	18.3	32.5	F		
0.4	1.1	2.3	4.0	7.5	12.4	22.8	39.0	74.0	229.2	M	Hypertensive disease	401-405/I10-I15
0.2	0.4	1.0	2.0	3.6	6.7	14.0	31.0	69.8	311.9	F		
9.2	23.7	47.7	84.7	140.4	236.9	402.5	660.3	1063.0	2342.9	M	Ischaemic heart disease	410-414/I20-I25
1.9	4.7	9.1	15.6	29.0	63.7	133.4	270.0	543.5	1808.1	F		
1.0	2.2	3.0	4.2	6.5	11.0	18.5	28.8	49.8	106.3	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.0	1.6	2.5	3.3	4.8	8.4	14.5	26.3	47.4	129.3	F		
3.7	7.5	13.2	21.4	35.5	68.0	136.2	275.1	561.6	1637.8	M	Cerebrovascular disease	430-438/I60-169
3.3	5.9	9.4	13.8	19.6	37.3	77.7	179.2	416.1	1677.2	F		
6.9	12.5	21.0	33.8	52.9	96.1	172.9	318.5	581.8	1972.4	M	Other vascular disease	Rest of 390-459/ rest of I00-199
2.9	4.6	6.9	11.6	17.8	36.0	72.4	159.4	360.7	1934.6	F		
0.9	1.9	3.7	7.8	18.3	40.3	87.5	181.1	333.4	761.6	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.6	1.2	2.4	5.3	9.6	17.7	35.9	69.5	113.7	267.2	F		
3.1	5.0	7.1	11.6	17.7	34.8	68.7	142.9	313.5	1203.5	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.8	2.5	4.0	5.6	8.8	15.2	30.5	66.9	157.9	895.0	F		
0.3	0.7	1.3	2.0	2.8	4.6	7.3	12.7	24.1	61.0	M	Peptic ulcer	531-533/K25-K27
0.1	0.4	0.5	0.6	1.1	2.0	3.8	7.3	15.4	50.1	F		
7.7	16.5	26.7	34.2	43.8	57.2	63.7	63.1	61.2	57.7	M	Liver cirrhosis	571/K70, K74
3.5	6.4	10.5	14.2	17.0	21.1	24.2	28.7	32.7	30.8	F		
0.5	0.9	1.5	2.5	4.4	8.1	16.0	31.7	62.3	197.1	M	Renal disease	580-590/N00-N19
0.3	0.5	0.9	1.5	2.6	5.2	10.4	19.0	36.9	129.1	F		
0.3	0.1	-	0.0	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
0.9	0.9	1.1	1.4	1.7	1.4	1.2	1.7	2.8	3.9	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.8	0.8	0.9	1.3	1.6	1.4	1.3	1.5	1.8	3.2	F		
9.9	13.2	17.0	19.8	26.4	35.4	48.1	67.8	109.6	479.4	M	Ill-defined causes	780-799/R00-R99
3.2	4.3	6.4	7.2	9.2	13.2	21.3	35.9	72.2	560.6	F		
17.3	24.8	34.1	42.4	57.0	86.1	139.9	246.1	481.4	1400.4	M	Other medical causes	Rest of 001-799/ rest of A00-R99
7.9	11.9	17.2	24.4	33.7	51.7	90.9	172.3	365.5	1400.3	F		
54.8	58.6	60.1	58.6	58.0	64.1	72.5	96.7	145.0	378.9	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
14.7	16.7	19.6	20.4	21.4	23.7	31.0	45.3	77.8	295.2	F		
14.5	13.7	13.3	12.3	11.9	12.8	14.5	17.7	23.8	30.8	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
3.6	3.9	3.9	3.9	4.2	4.5	6.4	7.8	9.6	10.1	F		
0.8	0.9	1.0	0.9	1.0	1.1	1.0	1.4	2.5	5.6	M	Fire	E890-E899/X00-X09
0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.9	1.8	3.5	F		
20.3	23.2	23.3	21.7	20.3	21.6	22.9	27.8	36.0	61.9	M	Suicide	E950-E959/X60-X84
5.8	6.9	8.4	8.2	8.3	8.2	8.3	9.5	10.5	12.5	F		
1.9	1.9	1.7	1.3	1.1	1.0	0.6	0.6	0.8	1.0	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.0	0.9	0.6	0.7	0.5	0.5	0.5	0.5	0.9	0.7	F		
15195	13750	12668	12212	10597	9912	8510	7135	5141	4342	M	POPULATION	
14976	13658	12714	12262	10832	10566	9701	9186	8164	9616	F	(1000s; UN, 2002 revision)	

EUROPEAN UNION (15 countries - EU15): 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	84650	5982	272	162	5548	374	1540	4650	858	32955	38291
35-69	Sm.	203242	105406	68029	17600	19777	14530	3749	54245	-	25312	-
	Total	641367 (32%)	233125 (45%)	73784 (92%)	27597 (64%)	131744 (15%)	19007 (76%)	14249 (26%)	205053 (26%)	29254	88166 (29%)	52513
70+	Sm.	229361	94839	61590	8744	24505	49353	7708	59204	-	18257	-
	Total	1133020 (20%)	279751 (34%)	67903 (91%)	14961 (58%)	196887 (12%)	68033 (73%)	68862 (11%)	513075 (12%)	10833	162629 (11%)	29837
Any age	Sm.	432603	200245	129619	26344	44282	63883	11457	113449	-	43569	-
	Total	1859037 (23%)	518858 (39%)	141959 (91%)	42720 (62%)	334179 (13%)	87414 (73%)	84651 (14%)	722778 (16%)	40945	283750 (15%)	120641
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	65772	5256	190	148	4918	284	1157	3670	534	22963	31908
35-69	Sm.	171344	93426	61345	15213	16868	11116	3465	40984	-	22353	-
	Total	583570 (29%)	219462 (43%)	67342 (91%)	25107 (61%)	127013 (13%)	15190 (73%)	14647 (24%)	171706 (24%)	26719	86021 (26%)	49825
70+	Sm.	222865	98085	64623	8872	24590	45005	8127	52144	-	19504	-
	Total	1158335 (19%)	298980 (33%)	71798 (90%)	15665 (57%)	211517 (12%)	63129 (71%)	78564 (10%)	489083 (11%)	10159	187617 (10%)	30803
Any age	Sm.	394209	191511	125968	24085	41458	56121	11592	93128	-	41857	-
	Total	1807677 (22%)	523698 (37%)	139330 (90%)	40920 (59%)	343448 (12%)	78603 (71%)	94368 (12%)	664459 (14%)	37412	296601 (14%)	112536

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		181557	88668	78152	13794	12785	12541	10901	10496	9350	8286	6579	3687	4471
2000		184533	85071	82844	15195	13750	12668	12212	10597	9912	8510	7135	5141	4342
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		1859037	84650	641367	26562	34093	49112	65859	102900	150000	212841	266720	239117	627183
2000		1807677	65772	583570	22921	32134	46228	67832	89956	135416	189083	254429	299285	604621
Lung cancer														
1995		141959	272	73784	653	1852	4304	7407	12938	19661	26969	27530	18209	22164
2000		139330	190	67342	496	1694	3982	7762	11870	17747	23791	27404	23753	20641
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)														
All causes														
1995		922.0*	91.7*	944.1*	192.6	266.7	391.6	604.1	980.4	1604.2	2568.8	4054.4	6485.8	14028.1
2000		839.5*	75.1*	820.3*	150.8	233.7	364.9	555.5	848.9	1366.2	2222.0	3565.7	5821.8	13925.6
All cancer														
1995		260.5*	6.4*	349.1*	26.4	59.7	123.3	225.5	386.0	640.6	982.3	1376.9	1860.6	2696.9
2000		243.2*	5.8*	314.9*	22.2	51.8	112.0	209.8	350.4	568.0	889.9	1281.3	1765.0	2690.5
Lung cancer														
1995		71.9*	0.3*	111.5*	4.7	14.5	34.3	67.9	123.3	210.3	325.5	418.5	493.9	495.7
2000		65.0*	0.2*	97.3*	3.3	12.3	31.4	63.6	112.0	179.1	279.6	384.1	462.0	475.4
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		22.3*	0.2*	39.9*	2.6	10.2	22.6	37.9	53.1	70.8	81.9	91.5	101.0	116.6
2000		19.9*	0.2*	34.7*	2.1	7.9	19.7	34.1	47.1	58.8	73.1	82.6	94.1	113.7
Other cancer														
1995		166.3*	5.9*	197.8*	19.1	35.0	66.4	119.6	209.6	359.6	575.0	866.9	1265.7	2084.5
2000		158.3*	5.5*	182.9*	16.8	31.6	60.9	112.2	191.4	330.1	537.2	814.7	1208.9	2101.4
Chronic obstructive pulmonary disease (COPD)														
1995		42.1*	0.4*	29.9*	1.0	2.1	4.5	10.0	22.2	53.8	115.9	231.2	412.7	841.2
2000		35.1*	0.3*	22.9*	0.9	1.9	3.7	7.8	18.3	40.3	87.5	181.1	333.4	761.6
Other respiratory disease														
1995		40.4*	1.7*	21.4*	3.7	5.5	7.1	10.7	18.0	35.7	69.5	146.6	313.8	1065.7
2000		42.7*	1.3*	21.1*	3.1	5.0	7.1	11.6	17.7	34.8	68.7	142.9	313.5	1203.5
Vascular disease														
1995		351.7*	4.8*	310.1*	27.2	54.3	98.4	169.4	307.0	551.4	962.8	1644.9	2836.3	6716.7
2000		302.5*	3.9*	247.7*	21.3	47.2	87.6	148.9	244.3	427.1	757.5	1329.2	2341.5	6307.8
Liver cirrhosis														
1995		21.6*	0.8*	41.0*	10.7	18.5	26.6	37.7	54.7	68.0	70.7	73.2	73.5	73.9
2000		18.5*	0.5*	35.7*	7.7	16.5	26.7	34.2	43.8	57.2	63.7	63.1	61.2	57.7
Other medical causes														
1995		143.1*	37.5*	124.3*	61.9	60.9	69.1	87.4	123.4	183.2	284.5	472.4	834.5	2254.2
2000		140.9*	28.1*	117.0*	40.8	52.7	67.7	84.6	116.4	174.8	282.1	471.4	862.3	2525.5
All non-medical causes														
1995		62.5*	40.1*	68.2*	61.6	65.7	62.7	63.5	69.3	71.6	83.0	109.2	154.4	379.4
2000		56.5*	35.2*	61.0*	54.8	58.6	60.1	58.6	58.0	64.1	72.5	96.7	145.0	378.9

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: EUROPEAN UNION (15 countries - EU15)

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	38213	5386	150	72	5164	272	853	2576	357	18503	10266
35-69	Sm.	33320	13825	10692	1282	1851	4622	862	9370	-	4641	-
	Total	331715 (10%)	151147 (9%)	17352 (62%)	4166 (31%)	129629 (1%)	8858 (52%)	6783 (13%)	85718 (11%)	12111	48590 (10%)	18508
70+	Sm.	82094	19917	14103	2345	3469	18803	5005	29014	-	9355	-
	Total	1510708 (5%)	255621 (8%)	22378 (63%)	6785 (35%)	226458 (2%)	42586 (44%)	93896 (5%)	785570 (4%)	9254	284093 (3%)	39688
Any age	Sm.	115414	33742	24795	3627	5320	23425	5867	38384	-	13996	-
	Total	1880636 (6%)	412154 (8%)	39880 (62%)	11023 (33%)	361251 (1%)	51716 (45%)	101532 (6%)	873864 (4%)	21722	351186 (4%)	68462
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	30691	4645	119	68	4458	205	651	2078	276	14339	8497
35-69	Sm.	33843	15583	12218	1432	1933	4189	888	7981	-	5202	-
	Total	304313 (11%)	144454 (11%)	19030 (64%)	4298 (33%)	121126 (2%)	7610 (55%)	7326 (12%)	68955 (12%)	10892	47767 (11%)	17309
70+	Sm.	89437	23026	16495	2647	3884	20251	5554	28853	-	11753	-
	Total	1531406 (6%)	265117 (9%)	25499 (65%)	7185 (37%)	232433 (2%)	41361 (49%)	105101 (5%)	747752 (4%)	8268	324905 (4%)	38902
Any age	Sm.	123280	38609	28713	4079	5817	24440	6442	36834	-	16955	-
	Total	1866410 (7%)	414216 (9%)	44648 (64%)	11551 (35%)	358017 (2%)	49176 (50%)	113078 (6%)	818785 (4%)	19436	387011 (4%)	64708

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
	1995	191114	85644	80506	13650	12751	12392	10915	10823	10121	9855	9224	5928	9812
	2000	193559	81883	84710	14976	13658	12714	12262	10832	10566	9701	9186	8164	9616
NUMBER OF DEATHS (Source: WHO)														
All causes														
	1995	1880636	38213	331715	11749	17110	25134	33606	49723	74098	120295	194693	224205	1091810
	2000	1866410	30691	304313	11200	16669	24404	35245	45376	68628	102791	168396	272575	1090435
Lung cancer														
	1995	39880	150	17352	323	733	1369	1886	2672	4177	6192	7449	5708	9221
	2000	44648	119	19030	281	899	1590	2485	3425	4463	5887	7703	7970	9826
ANNUAL DEATH RATE / 100,000														
All causes														
	1995	548.8*	44.8*	449.0*	86.1	134.2	202.8	307.9	459.4	732.2	1220.6	2110.7	3782.3	11127.1
	2000	515.5*	37.9*	400.6*	74.8	122.0	191.9	287.4	418.9	649.5	1059.6	1833.1	3338.7	11340.2
All cancer														
	1995	145.7*	5.8*	203.7*	32.2	61.2	105.5	164.8	237.8	339.6	484.7	671.3	902.5	1428.9
	2000	137.9*	5.2*	189.4*	28.1	56.0	95.5	153.5	226.0	320.5	446.2	628.9	862.2	1424.3
Lung cancer														
	1995	14.9*	0.1*	23.6*	2.4	5.7	11.0	17.3	24.7	41.3	62.8	80.8	96.3	94.0
	2000	15.9*	0.1*	25.1*	1.9	6.6	12.5	20.3	31.6	42.2	60.7	83.9	97.6	102.2
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
	1995	3.9*	0.1*	5.6*	0.5	1.4	3.0	5.5	6.5	9.4	13.0	17.1	24.0	38.6
	2000	3.9*	0.1*	5.6*	0.4	1.5	3.2	5.2	7.4	9.5	12.2	16.5	21.6	40.6
Other cancer														
	1995	126.9*	5.5*	174.5*	29.4	54.1	91.5	142.0	206.6	288.9	408.9	573.4	782.2	1296.3
	2000	118.1*	5.0*	158.7*	25.8	47.9	79.8	128.1	187.0	268.8	373.3	528.5	742.9	1281.5
Chronic obstructive pulmonary disease (COPD)														
	1995	15.0*	0.3*	12.3*	0.7	1.5	2.7	5.4	10.8	21.5	43.8	79.6	132.2	279.3
	2000	13.4*	0.2*	10.4*	0.6	1.2	2.4	5.3	9.6	17.7	35.9	69.5	113.7	267.2
Other respiratory disease														
	1995	25.0*	1.0*	9.3*	1.6	2.3	3.4	4.9	7.6	15.0	30.1	66.4	170.5	791.5
	2000	27.0*	0.8*	9.8*	1.8	2.5	4.0	5.6	8.8	15.2	30.5	66.9	157.9	895.0
Vascular disease														
	1995	226.3*	2.8*	118.7*	10.6	19.1	31.9	54.5	98.0	201.0	415.9	870.7	1809.4	6094.4
	2000	200.8*	2.4*	93.5*	9.4	17.5	29.4	47.0	76.6	155.6	318.7	676.8	1455.9	5893.6
Liver cirrhosis														
	1995	9.0*	0.4*	16.0*	3.9	7.7	10.9	15.6	20.1	24.1	29.7	34.7	38.3	38.5
	2000	7.7*	0.3*	13.8*	3.5	6.4	10.5	14.2	17.0	21.1	24.2	28.7	32.7	30.8
Other medical causes														
	1995	103.1*	23.2*	65.4*	20.0	23.4	29.0	40.2	60.8	104.0	180.4	336.1	641.6	2191.7
	2000	106.2*	19.1*	62.7*	16.6	21.8	30.6	41.4	59.5	95.7	173.0	316.9	638.5	2534.0
All non-medical causes														
	1995	24.7*	11.4*	23.6*	17.0	18.9	19.5	22.5	24.3	26.9	36.0	51.8	87.8	302.8
	2000	22.5*	10.0*	21.1*	14.7	16.7	19.6	20.4	21.4	23.7	31.0	45.3	77.8	295.2

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

EUROPEAN UNION (15 countries - EU15): 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 66	– / 31	–
35–69	171 / 584	34 / 304	22 years
70+	223 / 1158	89 / 1531	8 years
All ages	394 / 1808	123 / 1866	14 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

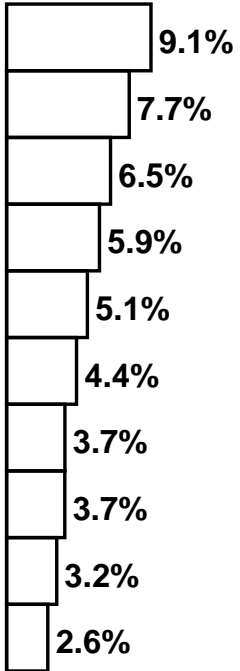
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.2	61/67	65/72	126/139	–/0.1	12/19	16/25	29/45
All Cancer	–/5.3	93/219 (43%)	98/299 (33%)	192/524	–/4.6	16/144 (11%)	23/265 (9%)	39/414
Vascular	–/3.7	41/172	52/489	93/664	–/2.1	8.0/69	29/748	37/819
Respiratory	–/1.4	15/30	53/142	68/173	–/0.9	5.1/15	26/146	31/162
All Other	–/55	22/163	20/229	42/447	–/23	5.2/76	12/372	17/471
All Causes	–/66	171/584 (29%)	223/1158 (19%)	394/1808	–/31	34/304 (11%)	89/1531 (6%)	123/1866

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	192 / 524 (37%)	39 / 414 (9%)	230 / 938 (25%)
All Causes	394 / 1808 (22%)	123 / 1866 (7%)	517 / 3674 (14%)

1955-2000: EUROPEAN UNION (15 countries - EU15)

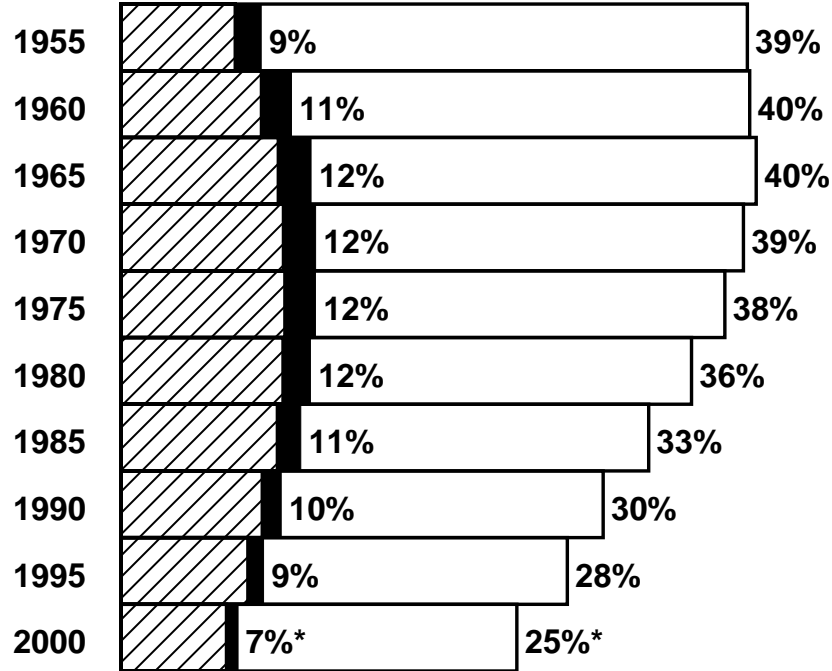
Population risk of dying at ages 0–34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

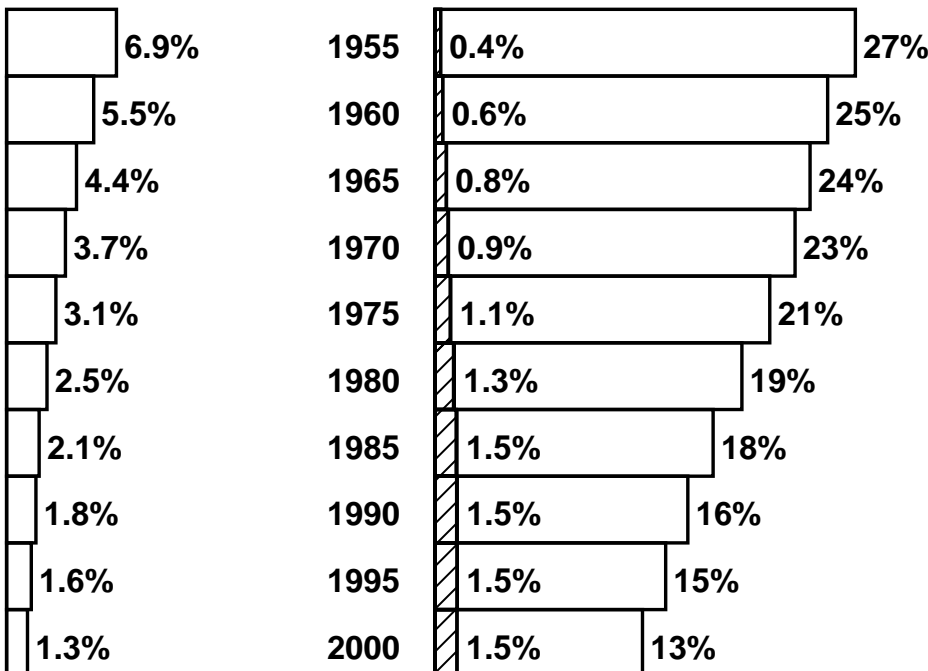
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 25 would die before age 70 (with 7 of these deaths attributed to smoking)

FEMALE



EUROPEAN UNION (15 countries - EU15): 1950-2000
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Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/236	156/666 (23%)	45/763 (6%)	201/1665	-/174	8.2/502 (2%)	2.8/903 (0.3%)	11/1579
1960	-/206	199/714 (28%)	72/828 (9%)	271/1748	-/141	12/495 (2%)	6.7/1004 (0.7%)	18/1641
1965	-/183	235/780 (30%)	105/872 (12%)	340/1836	-/120	17/499 (3%)	11/1092 (1%)	28/1710
1970	-/162	249/798 (31%)	149/932 (16%)	398/1892	-/99	20/494 (4%)	18/1198 (2%)	39/1792
1975	-/136	247/773 (32%)	201/1039 (19%)	448/1947	-/78	23/462 (5%)	27/1313 (2%)	50/1853
1980	-/117	234/707 (33%)	219/1086 (20%)	453/1910	-/63	27/407 (7%)	35/1365 (3%)	61/1835
1985	-/97	225/658 (34%)	241/1143 (21%)	465/1898	-/49	30/364 (8%)	52/1461 (4%)	81/1874
1990	-/97	221/668 (33%)	220/1094 (20%)	441/1859	-/45	33/362 (9%)	62/1462 (4%)	95/1869
1995	-/85	203/641 (32%)	229/1133 (20%)	433/1859	-/38	33/332 (10%)	82/1511 (5%)	115/1881
2000	-/66	171/584 (29%)	223/1158 (19%)	394/1808	-/31	34/304 (11%)	89/1531 (6%)	123/1866

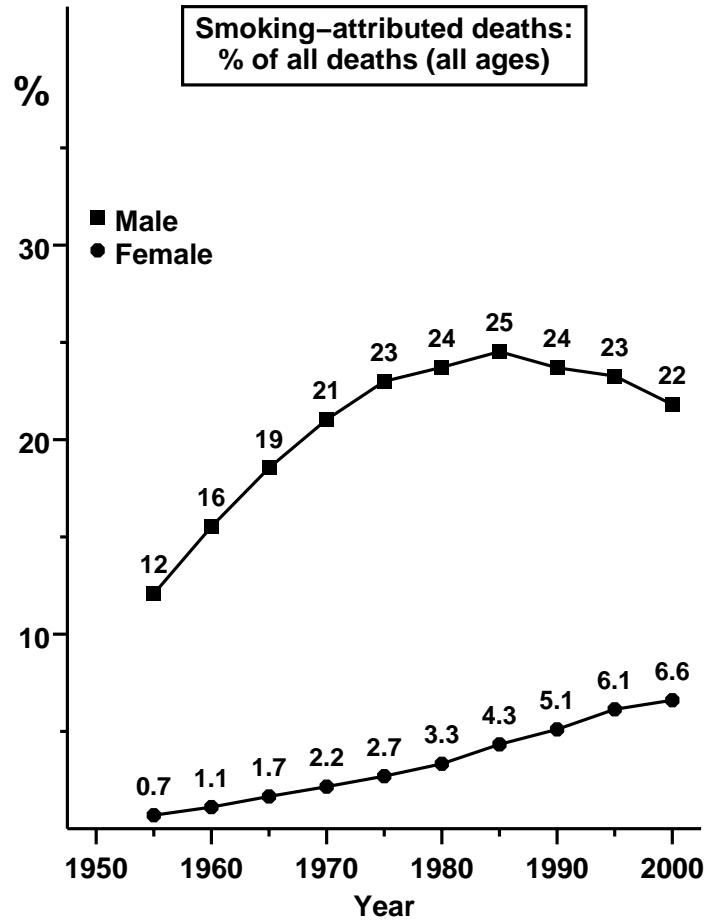
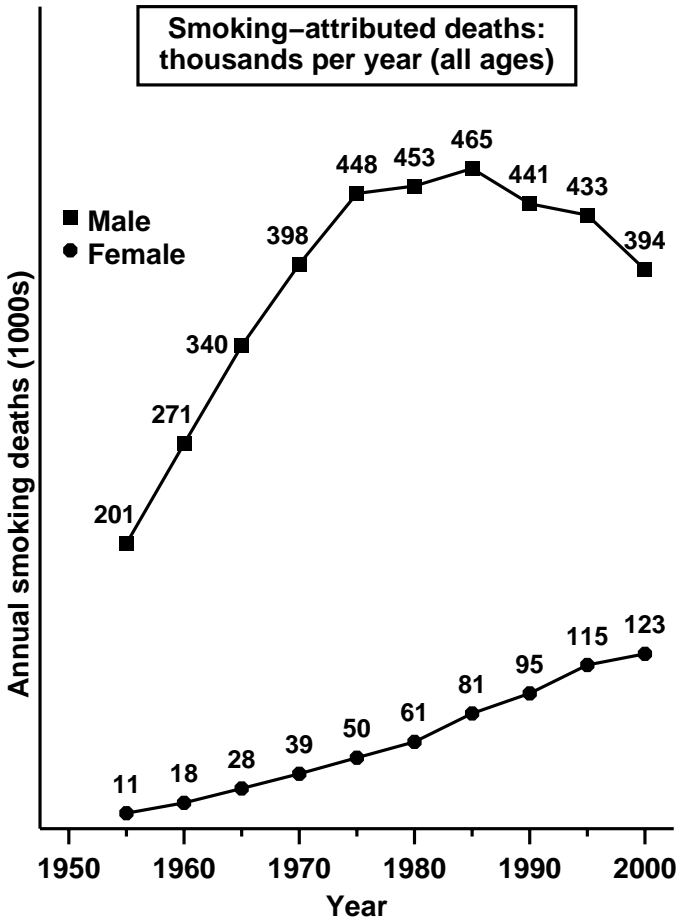
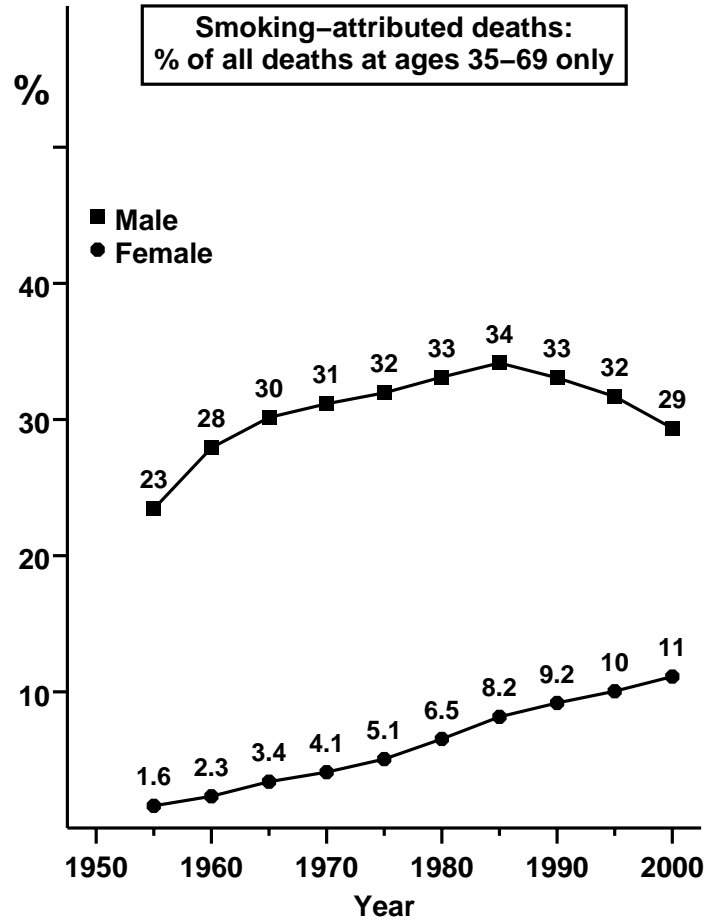
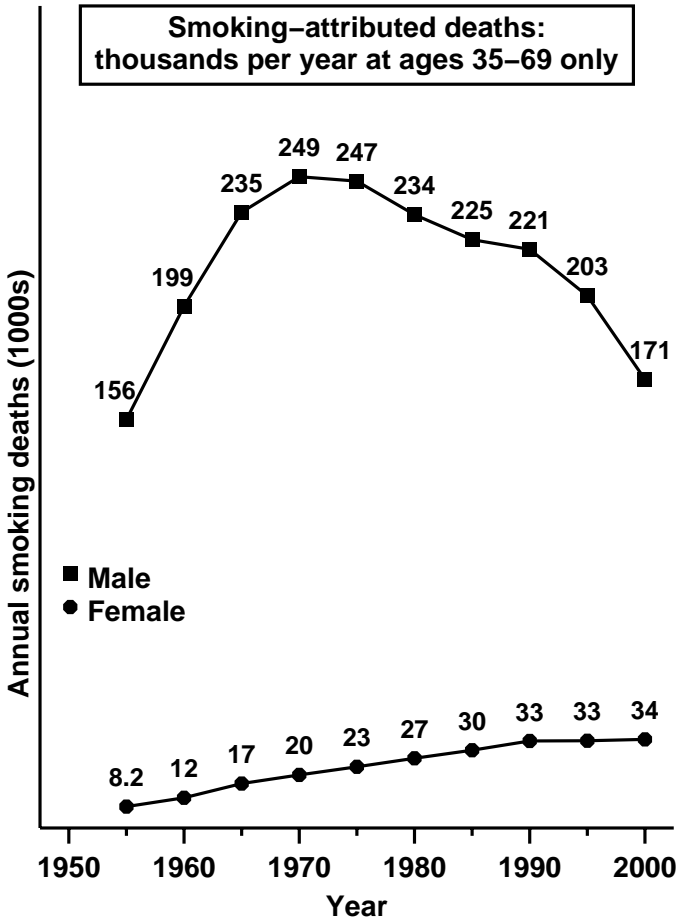
50-year total* (M=millions), mid-1950 to mid-2000: 22/ 181M

1950-2000 by age & sex:

-/7.4M	11/35M (30%)	8.2/50M (17%)	19/92M	-/4.6M	1.1/22M (5%)	1.7/63M (3%)	2.9/89M
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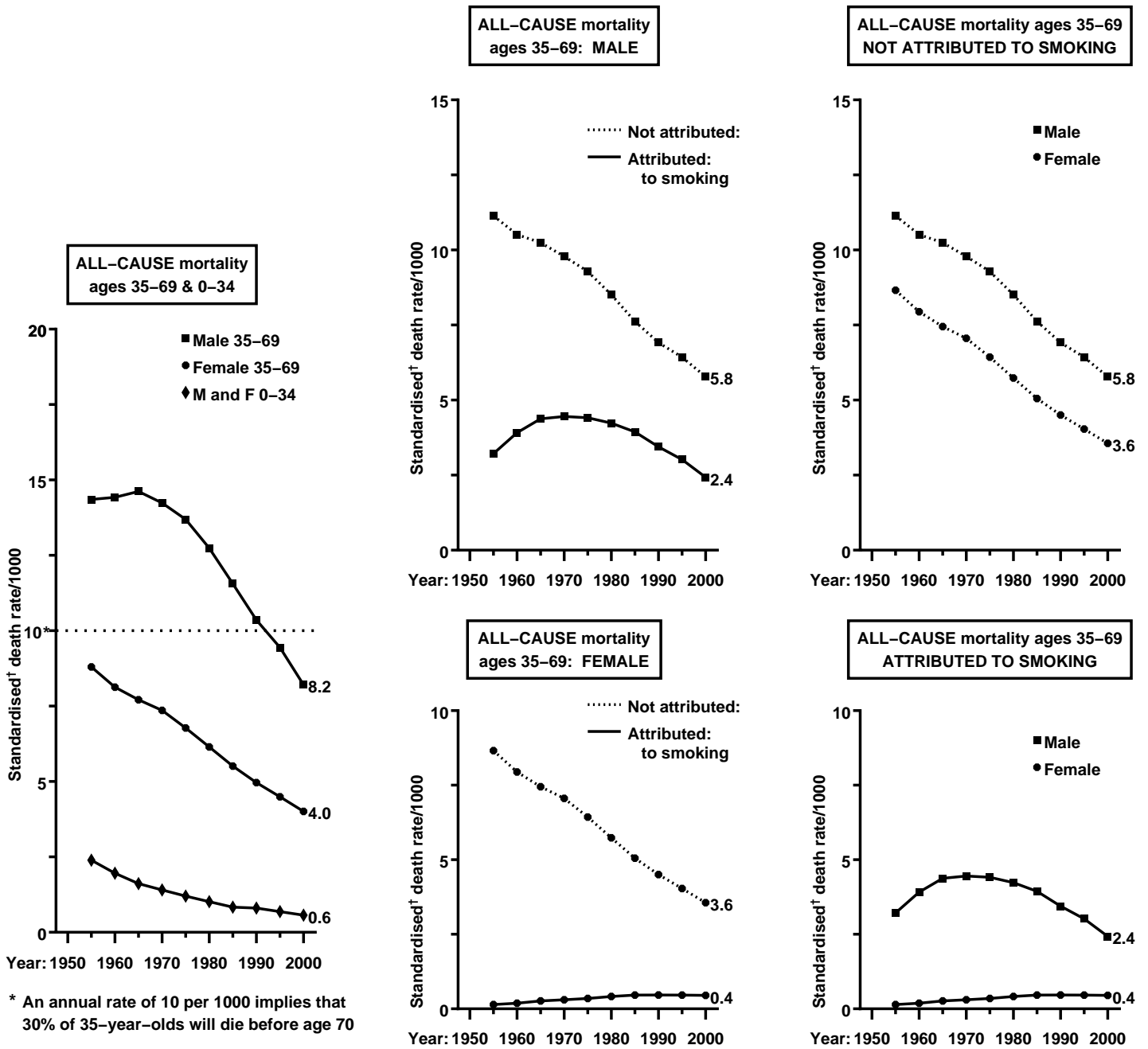
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: EUROPEAN UNION (15 countries - EU15)



EUROPEAN UNION (15 countries - EU15): 1955-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

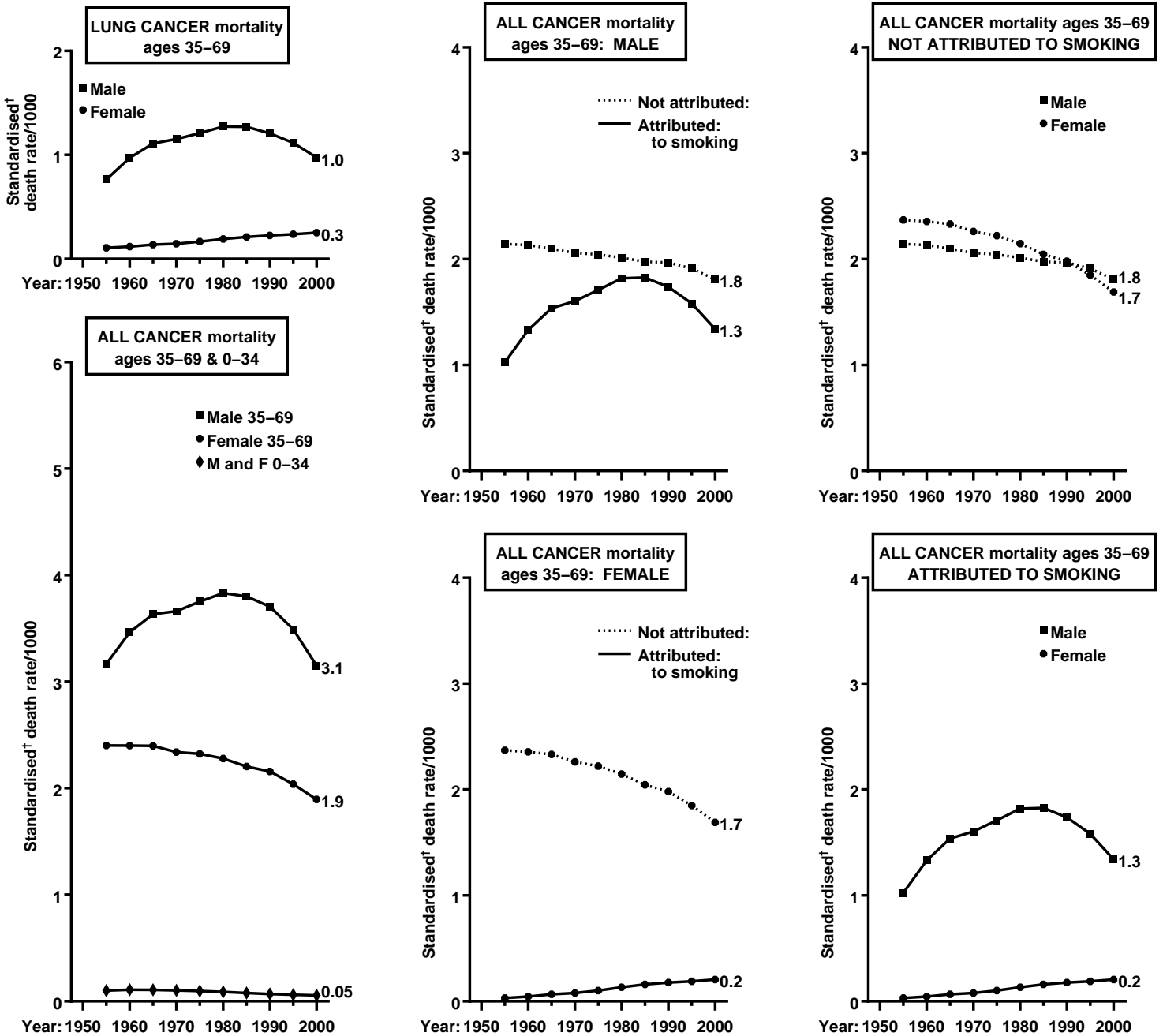


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	2.73	3.21	11.1	5.30	73.5	-	2.05	0.14	8.66	0.22	59.6	-	0.44	55.7	
1960	-	2.30	3.91	10.5	7.85	69.6	-	1.61	0.19	7.94	0.44	55.7	-	0.68	52.3	
1965	-	1.94	4.37	10.2	10.9	66.8	-	1.29	0.26	7.45	0.68	52.3	-	0.91	49.5	
1970	-	1.72	4.45	9.78	14.1	63.3	-	1.08	0.30	7.06	0.91	49.5	-	1.13	46.1	
1975	-	1.49	4.41	9.28	16.7	61.1	-	0.90	0.34	6.43	1.13	46.1	-	1.28	39.5	
1980	-	1.29	4.23	8.51	15.6	54.3	-	0.74	0.41	5.73	1.28	39.5	-	1.72	35.7	
1985	-	1.07	3.94	7.62	15.6	50.9	-	0.59	0.46	5.05	1.72	35.7	-	1.94	30.7	
1990	-	1.07	3.44	6.91	13.4	44.2	-	0.53	0.46	4.50	1.94	30.7	-	2.28	27.2	
1995	-	0.92	3.02	6.42	12.4	40.3	-	0.45	0.46	4.03	2.28	27.2	-	2.14	23.7	
2000	-	0.75	2.43	5.78	10.6	36.3	-	0.38	0.45	3.56	2.14	23.7	-			

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000: EUROPEAN UNION (15 countries - EU15)

Trends in ALL CANCER mortality attributed and not attributed to smoking



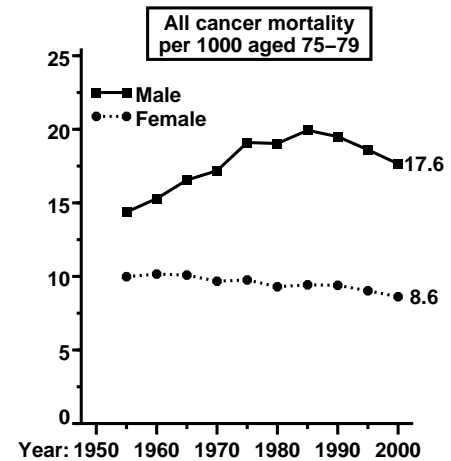
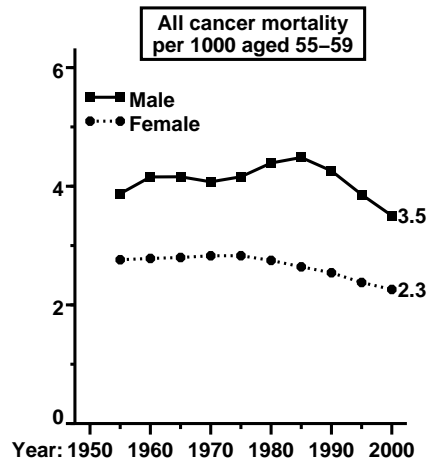
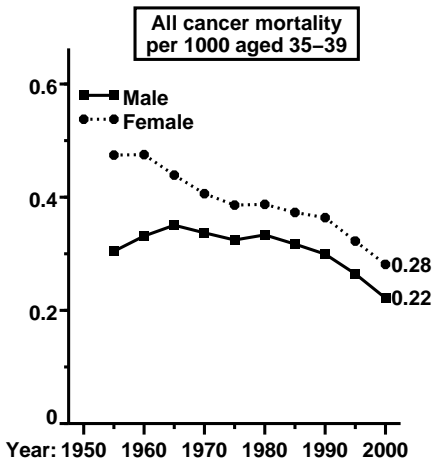
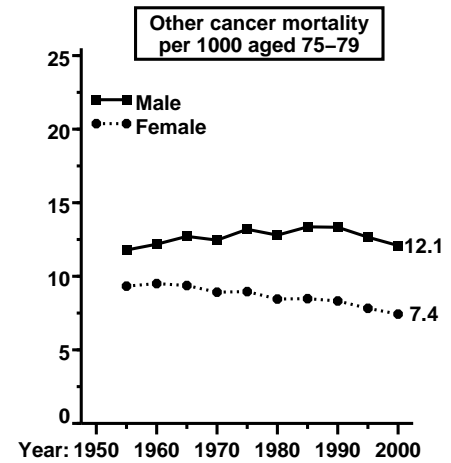
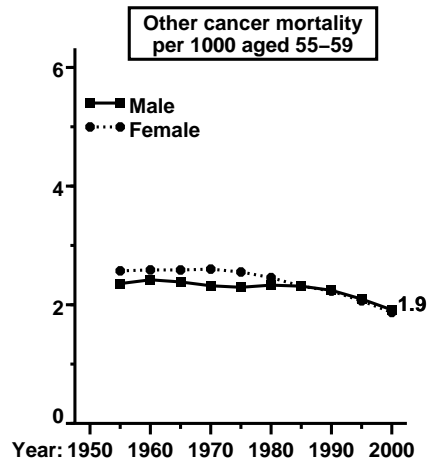
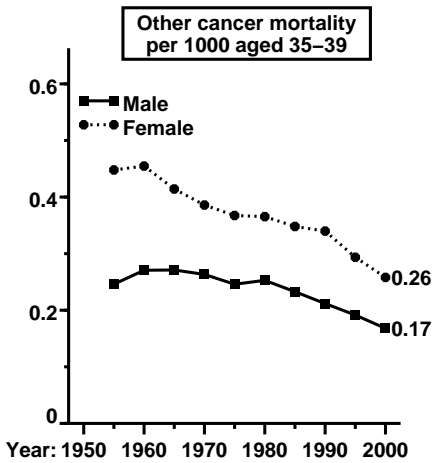
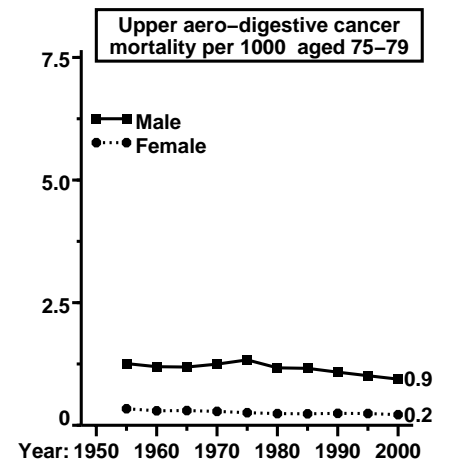
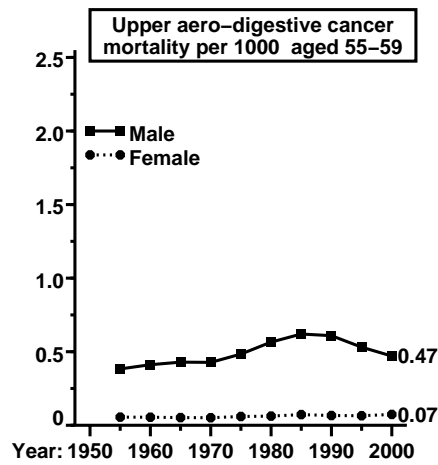
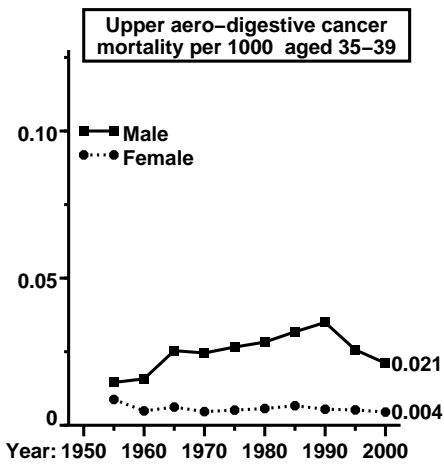
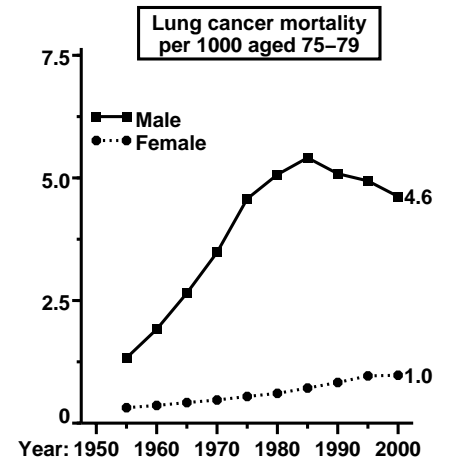
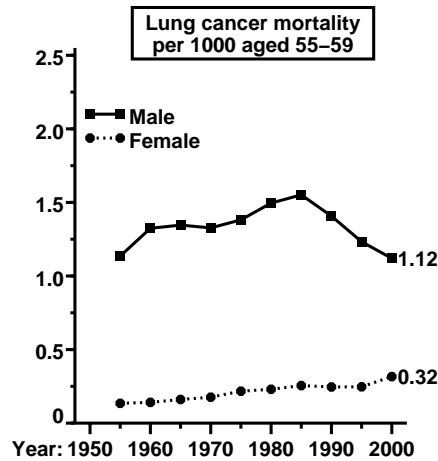
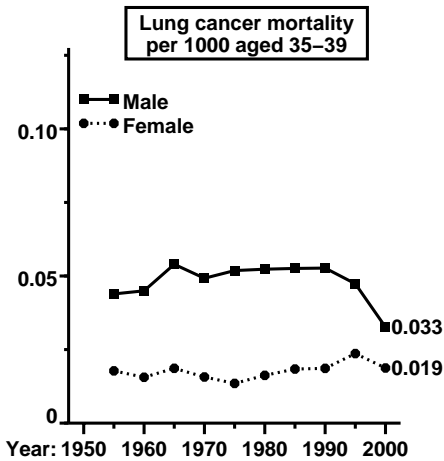
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955	-	0.10	1.02	2.14	1.70	11.0	-	0.10	0.03	2.37	0.04	8.68	-	0.10		
1960	-	0.11	1.33	2.13	2.61	11.0	-	0.10	0.04	2.35	0.09	8.68	-	0.10		
1965	-	0.12	1.54	2.10	3.72	11.1	-	0.10	0.07	2.33	0.14	8.68	-	0.10		
1970	-	0.11	1.60	2.06	4.84	10.7	-	0.09	0.08	2.26	0.20	8.20	-	0.09		
1975	-	0.10	1.71	2.04	6.05	10.8	-	0.09	0.10	2.22	0.27	8.13	-	0.09		
1980	-	0.09	1.82	2.01	6.43	10.4	-	0.08	0.13	2.15	0.35	7.75	-	0.08		
1985	-	0.08	1.83	1.97	6.68	10.5	-	0.07	0.16	2.04	0.50	7.73	-	0.07		
1990	-	0.07	1.74	1.97	6.24	10.4	-	0.06	0.18	1.98	0.63	7.37	-	0.06		
1995	-	0.06	1.58	1.91	6.05	10.1	-	0.06	0.19	1.85	0.76	7.11	-	0.06		
2000	-	0.06	1.34	1.81	5.50	9.73	-	0.05	0.21	1.69	0.78	6.67	-	0.05		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

EUROPEAN UNION (15 countries - EU15): 1955-2000

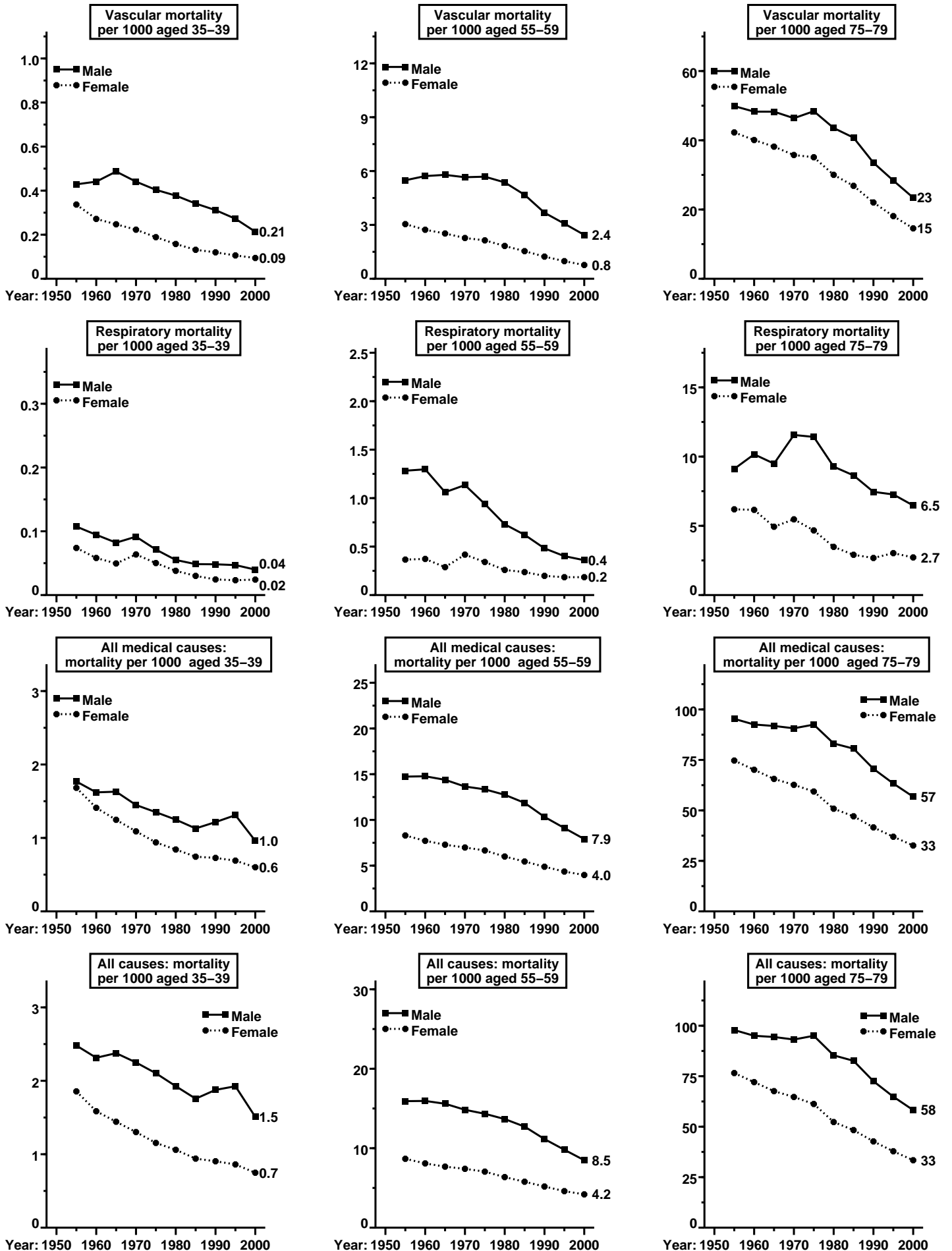
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: 1955, 1960, 1965, 1970, 1975, 1980, 1985, 1990, 1995 and 2000

1955-2000: EUROPEAN UNION (15 countries - EU15)

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: 1955, 1960, 1965, 1970, 1975, 1980, 1985, 1990, 1995 and 2000

EU ACCESSION (10 countries*): 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	406613	19618	195563	1295.0	110.2	1578.9	194.7	22.4	24.7	74.3	123.4	137.3	195.0
	F	371376	7949	92904	726.5	50.1	635.9	158.4	14.7	15.5	30.7	33.1	39.4	58.6
Tuberculosis	M	1865	67	1335	5.6	0.4	9.5	-	0.0	-	-	0.2	0.5	1.9
	F	612	28	251	1.3	0.2	1.6	-	-	-	-	0.1	0.4	0.5
HIV	M	119	46	73	0.3	0.3	0.4	-	-	-	-	0.1	0.6	1.1
	F	32	22	10	0.1	0.1	0.1	-	-	0.0	0.0	0.1	0.4	0.3
Other infective and parasitic	M	1060	198	522	3.4	1.3	4.1	5.9	0.4	0.3	0.3	0.4	1.0	0.9
	F	982	150	344	2.3	1.0	2.3	5.2	0.4	0.4	0.4	0.4	0.3	0.2
ALL CANCER	M	101976	1340	57036	318.4	7.2	482.7	4.5	4.2	3.8	6.6	6.7	9.8	14.9
	F	78747	1084	36477	165.8	6.2	246.4	4.1	3.0	2.9	3.5	5.4	8.3	15.9
Mouth and pharynx cancer	M	4290	20	3538	13.0	0.1	26.3	-	0.0	0.0	0.1	0.1	0.1	0.3
	F	864	5	497	1.9	0.0	3.2	-	-	-	0.1	0.0	0.0	0.0
Oesophagus cancer	M	2588	7	1888	8.0	0.0	15.0	-	-	-	-	0.0	0.1	0.2
	F	546	2	258	1.2	0.0	1.7	-	-	-	-	-	0.0	0.0
Stomach cancer	M	7854	65	4013	24.6	0.4	34.3	-	-	-	-	0.2	0.7	1.7
	F	5016	47	1781	10.0	0.3	12.2	-	-	-	0.1	0.1	0.6	1.1
Colorectal cancer	M	11643	45	5457	37.0	0.2	48.0	0.1	-	-	0.1	0.1	0.5	0.9
	F	10407	40	3688	20.8	0.2	25.8	-	-	-	0.0	0.3	0.3	0.9
Liver cancer	M	2571	26	1387	8.0	0.1	11.9	0.3	0.0	-	0.1	0.1	0.3	0.2
	F	2100	7	785	4.2	0.0	5.5	-	0.0	-	0.0	0.1	0.1	0.0
Pancreas cancer	M	4413	24	2642	13.7	0.1	21.8	-	-	-	-	0.1	0.1	0.8
	F	4234	9	1690	8.6	0.1	11.9	-	-	-	-	0.0	0.1	0.3
Larynx cancer	M	2761	2	2052	8.5	0.0	16.7	-	-	-	-	0.0	-	0.0
	F	266	-	167	0.6	-	1.1	-	-	-	-	-	-	-
Lung cancer	M	31582	38	19962	97.4	0.2	172.0	-	-	0.1	-	0.1	0.4	0.8
	F	8452	27	4727	18.4	0.1	31.8	-	-	-	0.1	0.1	0.3	0.5
Malignant melanoma	M	1008	42	611	3.1	0.2	4.7	0.1	0.0	-	0.0	0.2	0.5	0.8
	F	1021	31	539	2.2	0.2	3.5	0.1	-	0.0	0.0	0.3	0.2	0.6
Female breast cancer	F	11494	70	6570	25.4	0.4	43.2	-	-	-	-	0.1	0.3	2.5
Cervix cancer	F	3555	93	2392	8.2	0.5	14.9	-	-	-	-	0.2	1.1	2.5
Other uterine cancer	F	3049	10	1346	6.3	0.1	9.4	-	-	-	-	0.1	0.1	0.2
Ovarian cancer	F	4408	48	2638	9.8	0.3	17.6	-	0.0	0.0	0.2	0.2	0.5	0.9
Prostate cancer	M	7535	2	1910	25.1	0.0	18.3	-	-	-	0.1	-	-	-
Bladder cancer	M	3788	3	1547	12.2	0.0	14.0	-	0.0	-	-	-	0.0	0.0
	F	1130	4	316	2.2	0.0	2.2	-	-	-	-	-	-	0.2
Other and ill-defined cancer sites	M	16152	652	9095	50.0	3.5	75.2	2.9	2.5	2.0	3.4	3.3	4.6	6.1
	F	17054	411	6959	35.2	2.4	47.7	2.5	1.9	2.0	1.8	2.0	2.3	4.1
Hodgkin's disease	M	386	67	225	1.1	0.3	1.7	-	-	0.0	0.3	0.6	0.7	0.8
	F	315	53	142	0.7	0.3	0.9	0.1	-	0.1	0.2	0.5	0.6	0.5
Myeloma and non- Hodgkin lymphomas	M	2601	91	1416	8.1	0.5	11.9	0.2	0.3	0.5	0.5	0.5	0.6	0.9
	F	2447	59	1046	5.1	0.3	7.3	0.2	0.2	0.0	0.2	0.6	0.7	0.4
Leukaemia	M	2804	256	1293	8.7	1.4	11.0	1.0	1.3	1.2	2.1	1.5	1.1	1.5
	F	2389	168	936	5.0	1.0	6.4	1.3	0.8	0.7	0.9	0.8	1.2	1.2
Diabetes	M	4290	65	2052	13.4	0.4	17.2	-	0.0	0.0	-	0.2	0.8	1.4
	F	6549	41	1850	12.6	0.2	13.4	0.1	0.0	0.0	0.1	0.1	0.4	0.8
ALL VASCULAR DISEASE	M	181058	1215	71924	596.1	6.6	610.8	2.4	0.8	1.3	2.8	6.5	10.1	22.2
	F	208748	450	32332	385.4	2.6	230.2	2.4	0.4	0.7	1.4	2.1	4.0	7.1
Rheumatic heart disease and fever	M	1094	28	657	3.4	0.2	5.4	0.1	0.0	-	-	0.1	0.4	0.5
	F	1577	9	676	3.2	0.0	4.8	-	-	0.1	0.0	0.0	0.1	0.0
Hypertensive disease	M	6175	23	2788	20.0	0.1	23.9	-	0.0	-	0.0	0.1	0.2	0.4
	F	9013	5	1770	16.8	0.0	12.7	-	-	-	-	-	0.0	0.2
Ischaemic heart disease	M	79705	266	35859	258.9	1.5	302.9	-	-	-	0.1	0.8	2.2	7.1
	F	76491	53	12690	141.4	0.3	91.3	-	-	0.0	-	0.1	0.6	1.4
Pulmonary embolism and other venous	M	3472	59	1653	11.0	0.3	13.9	-	0.1	-	0.2	0.4	0.6	1.0
	F	4209	41	1187	8.2	0.2	8.3	0.1	0.0	-	0.1	0.1	0.5	0.7
Cerebrovascular disease	M	41833	264	14791	138.2	1.4	128.7	0.5	0.3	0.5	0.5	1.6	2.1	4.5
	F	57338	128	9335	105.8	0.7	66.1	0.4	0.0	0.3	0.3	0.6	1.2	2.2
Other vascular disease	M	48779	575	16176	164.6	3.1	136.1	1.8	0.3	0.8	2.0	3.6	4.6	8.6
	F	60120	214	6674	109.9	1.2	47.2	1.9	0.4	0.3	0.9	1.2	1.5	2.6
Chronic obstructive pulmonary disease	M	10948	60	3928	35.5	0.3	35.8	0.3	0.0	0.1	0.4	0.4	0.2	0.9
	F	5568	31	1505	10.7	0.2	10.7	0.1	0.0	0.0	0.1	0.2	0.3	0.4
Other respiratory disease	M	9856	446	3486	32.9	2.8	28.0	9.7	0.8	0.4	1.3	1.7	2.0	3.4
	F	9828	265	1525	18.7	1.7	10.5	6.6	0.6	0.6	0.8	0.8	1.1	1.6
Peptic ulcer	M	2178	29	1208	6.9	0.2	9.5	-	0.0	0.0	0.1	0.1	0.2	0.7
	F	1726	10	404	3.3	0.1	2.7	-	-	-	-	0.1	0.0	0.3
Liver cirrhosis	M	12091	301	10146	35.7	1.7	73.0	0.2	-	0.0	0.2	0.5	2.2	8.7
	F	4838	90	3537	11.5	0.5	22.7	0.1	-	0.1	0.1	0.2	0.7	2.6
Renal disease	M	3457	56	1368	11.4	0.3	11.4	0.5	-	0.0	0.2	0.2	0.5	0.8
	F	3795	68	1037	7.4	0.4	7.3	0.4	0.1	0.0	0.3	0.4	0.7	0.8
Pregnancy, birth Congenital and perinatal causes	F	61	43	18	0.2	0.2	0.1	-	-	-	0.1	0.3	0.5	0.7
	M	2919	2775	127	11.7	20.3	0.8	135.3	1.8	1.2	1.0	1.0	1.0	0.8
	F	2343	2203	109	9.8	17.0	0.7	113.5	1.5	1.2	1.0	0.6	0.5	0.8
Ill-defined causes	M	15784	927	8201	51.0	5.2	59.8	7.1	0.4	0.6	2.7	6.0	7.0	12.4
	F	14686	309	2182	28.1	2.0	14.4	6.5	0.4	0.4	1.3	1.0	1.9	2.2
Other medical causes	M	17082	1228	9163	53.1	7.0	69.1	11.3	2.9	3.2	4.6	5.1	7.9	13.8
	F	16571	762	5251	33.6	4.5	35.3	8.6	3.0	2.8	3.5	3.8	4.0	5.9
ALL NON- MEDICAL CAUSES	M	41930	10865	24994	119.6	56.5	166.6	17.6	10.8	13.6	54.2	94.5	93.3	111.2
	F	16290	2393	6072	35.8	13.2	37.7	11.0	5.2	6.3	17.9	17.4	15.8	18.7
Motor vehicle traffic accidents	M	7242	2882	3663	19.9	14.6	24.2	2.5	2.9	4.0	17.4	29.4	25.2	21.2
	F	2267	762	978	5.4	4.1	6.1	1.8	2.5	2.4	7.4	6.3	4.5	3.7
Fire	M	899	126	623	2.6	0.7	4.3	0.9	0.5	0.2	0.3	0.6	0.6	1.9
	F	342	37	155	0.8	0.2	1.0	0.6	0.4	0.1	0.0	0.1	0.2	0.3
Suicide	M	11922	2954	7663	33.4	15.1	49.8	-	0.1	2.4	13.5	27.0	27.7	35.3
	F	2981	472	1808	7.1	2.5	11.0	-	-	0.7	3.7	3.6	4.2	5.3
Homicide	M	1567	467	995	4.4	2.5	6.3	1.5	0.3	0.2	1.5	2.9	4.7	6.3
	F	621	169	349	1.6	1.0	2.1	1.4	0.1	0.3	0.9	1.1	1.2	1.7
POPULATION: (1000s; UN, 2002 revision)			M=male		35769	18362	15176	1912	2362	2730	2999	3085	2817	

2000: EU ACCESSION (10 countries)

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
297.8	508.9	796.3	1194.6	1762.1	2646.2	3846.3	5572.7	8169.6	16037.2	M	ALL CAUSES	001-999/A00-Y89
103.1	182.1	308.1	456.9	684.6	1027.6	1688.8	2864.1	5114.9	13929.0	F		
3.7	6.2	8.3	10.5	11.3	14.4	12.5	17.6	17.9	32.1	M	Tuberculosis	010-018, 137/
1.0	1.2	1.4	1.1	1.7	2.4	2.3	4.6	8.7	12.6	F		A15-A19, B90
1.1	0.6	0.5	0.3	0.2	0.1	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
0.1	0.1	0.1	-	-	-	-	-	-	-	F		
0.7	1.7	2.3	3.4	4.4	7.9	8.4	12.7	14.0	22.7	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.4	1.1	1.1	1.6	3.0	3.8	5.2	8.0	10.8	19.0	F		
28.5	79.5	182.2	341.7	570.2	905.6	1271.1	1668.1	2062.3	2448.7	M	ALL CANCER	140-208/C00-C97
35.0	75.9	137.6	212.0	298.4	400.4	565.3	743.7	1005.7	1376.0	F		
2.2	9.4	21.9	33.9	39.8	41.0	36.2	30.6	33.4	36.9	M	Mouth and pharynx cancer	140-149/C00-C14
0.2	1.7	2.8	3.6	5.2	4.3	4.6	5.3	8.4	14.4	F		
0.6	3.2	8.5	15.9	23.5	26.7	26.5	30.7	28.0	36.3	M	Oesophagus cancer	150/C15
0.1	0.5	1.3	1.5	2.5	3.0	3.2	4.4	6.5	11.4	F		
2.3	6.0	11.4	22.5	38.6	63.4	95.8	139.1	185.3	214.5	M	Stomach cancer	151/C16
1.6	4.2	6.2	8.3	11.5	19.2	34.2	52.5	73.1	119.9	F		
2.1	5.2	12.7	26.8	53.3	88.7	147.3	208.6	301.6	389.0	M	Colorectal cancer	153, 154/C18-C21
2.2	4.9	8.9	17.0	30.5	47.1	70.3	105.5	158.4	252.1	F		
0.6	2.2	3.7	8.0	13.1	23.5	32.0	43.1	60.1	60.1	M	Liver cancer	155.0/C22 excl C221
0.5	0.9	2.2	4.0	6.1	9.7	14.9	23.4	31.5	44.5	F		
1.7	4.6	9.6	17.4	27.4	40.0	51.9	70.4	84.7	86.8	M	Pancreas cancer	157/C25
0.5	1.5	4.2	7.8	15.2	21.8	32.0	45.4	63.7	83.1	F		
0.6	3.2	8.3	15.3	23.1	31.6	34.9	32.5	32.4	28.9	M	Larynx cancer	161/C32
0.1	0.5	0.6	1.4	1.9	1.5	1.7	2.5	1.9	2.9	F		
4.8	19.8	55.5	115.4	204.8	339.0	464.4	545.1	535.9	435.3	M	Lung cancer	162/C33, C34
3.0	8.0	19.6	31.0	40.6	52.0	68.7	80.6	93.3	98.5	F		
1.4	1.8	3.2	3.8	5.7	7.4	9.7	14.2	14.3	22.1	M	Malignant melanoma	172/C43
1.1	2.2	2.4	3.8	4.0	4.7	6.0	8.4	10.3	15.6	F		
7.2	15.7	31.8	45.7	57.8	64.7	79.5	86.0	118.3	165.0	F	Female breast cancer	174/C50
6.3	11.6	15.5	15.6	15.5	18.8	20.8	23.4	26.4	29.2	F	Cervix cancer	180/C53
0.6	1.9	3.3	5.9	12.0	16.2	26.1	34.2	44.2	47.5	F	Other uterine cancer	179, 182/C54, C55
2.4	5.3	10.8	17.5	23.2	29.1	35.3	39.2	41.3	46.0	F	Ovarian cancer	183/C56, C570-C574
0.1	0.3	1.1	4.2	15.0	34.0	73.1	144.8	267.1	474.6	M	Prostate cancer	185/C61
0.3	0.9	2.6	6.1	13.2	28.6	46.5	73.0	106.3	153.9	M	Bladder cancer	188/C67
0.1	0.3	0.9	1.3	2.5	3.8	6.7	10.8	19.2	33.6	F		
7.9	16.6	33.8	57.3	87.1	136.2	187.6	247.0	297.0	364.0	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
6.4	12.9	21.5	37.4	54.0	80.1	121.6	169.0	238.3	330.4	F		
0.8	1.0	1.2	1.3	2.0	2.6	2.8	3.8	4.7	4.5	M	Hodgkin's disease	201/C81
0.2	0.3	0.6	1.0	0.9	1.5	1.9	2.6	3.1	3.2	F		
1.3	2.5	4.5	8.4	12.6	23.7	30.0	41.6	54.5	58.0	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.1	1.4	2.4	5.0	7.8	13.3	20.0	28.6	36.6	33.6	F		
1.9	2.7	4.4	5.2	11.0	19.3	32.5	43.6	57.0	83.9	M	Leukaemia	204-208/C91-C95
1.3	2.3	2.8	4.1	7.2	9.6	17.7	21.9	31.1	45.2	F		
1.9	3.7	7.1	11.3	18.3	30.9	47.4	76.9	107.2	130.0	M	Diabetes	250/E10-E14
1.2	1.4	2.5	5.6	12.5	24.1	46.2	75.7	114.3	168.0	F		
51.0	119.4	228.8	399.0	649.1	1076.5	1752.2	2780.4	4463.4	10071.9	M	ALL VASCULAR DISEASE	390-459/I00-I99
16.7	34.5	65.6	116.7	208.7	392.2	777.1	1569.7	3144.8	9729.7	F		
0.8	1.5	2.0	4.2	6.6	8.8	14.1	16.8	18.7	21.2	M	Rheumatic heart disease and fever	390-398/I00-I09
0.2	0.7	1.3	2.7	6.1	9.4	13.0	18.0	23.5	24.9	F		
1.5	3.6	8.5	15.2	26.0	44.6	67.8	94.8	153.7	274.1	M	Hypertensive disease	401-405/I10-I15
0.4	1.4	2.9	7.5	12.3	21.8	42.3	76.4	149.3	358.3	F		
21.5	59.0	116.6	210.1	341.7	539.1	832.2	1241.3	1831.9	3754.0	M	Ischaemic heart disease	410-414/I20-I25
4.7	10.5	22.0	39.9	80.1	163.0	318.6	620.5	1168.3	3410.4	F		
1.8	3.2	5.6	9.6	14.3	22.9	39.6	54.4	83.8	127.4	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.1	1.7	3.5	5.0	9.1	13.7	23.8	40.6	70.1	123.2	F		
9.0	19.7	41.1	71.4	126.7	228.7	404.4	686.8	1162.9	2425.6	M	Cerebrovascular disease	430-438/I60-I69
5.4	11.1	20.6	36.9	59.4	107.4	221.7	462.7	947.9	2482.5	F		
16.6	32.4	54.9	88.5	133.8	232.2	394.2	686.2	1212.4	3469.6	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
4.8	9.0	15.3	24.7	41.7	76.8	157.8	351.6	785.8	3330.4	F		
1.1	3.1	6.4	13.9	32.9	69.8	123.2	211.6	326.5	519.6	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
1.1	1.1	3.1	6.2	11.7	16.9	34.7	52.6	86.5	180.2	F		
5.8	10.9	15.0	18.7	30.2	44.2	71.4	126.8	233.2	629.2	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.3	3.4	4.6	6.4	10.9	16.3	29.4	54.5	128.2	489.4	F		
1.1	3.8	5.7	8.7	10.3	15.9	21.0	28.1	40.8	76.2	M	Peptic ulcer	531-533/K25-K27
0.4	0.8	1.3	2.6	2.4	3.6	8.0	14.3	26.7	64.7	F		
21.9	46.0	64.5	78.1	101.2	102.1	97.4	81.0	75.7	54.1	M	Liver cirrhosis	571/K70, K74
6.1	12.4	19.5	23.9	33.4	33.4	30.1	30.3	29.8	27.1	F		
1.7	2.7	5.0	7.8	11.9	18.8	31.9	49.6	83.0	197.7	M	Renal disease	580-590/N00-N19
1.0	1.4	2.6	4.3	6.6	11.8	23.3	34.6	61.9	115.9	F		
0.6	0.1	0.0	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
0.7	1.0	1.0	0.8	0.6	0.7	0.9	0.7	1.0	0.6	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.7	0.6	0.8	0.6	0.8	0.4	0.7	0.8	0.6	0.8	F		
22.0	36.1	49.7	61.3	64.7	84.7	100.0	129.0	200.5	827.1	M	Ill-defined causes	780-799/R00-R99
3.7	6.8	10.2	12.2	15.3	22.4	29.9	59.8	125.2	860.2	F		
22.8	37.4	47.3	62.3	78.5	99.3	136.0	201.3	297.8	527.9	M	Other medical causes	Rest of 001-799/ rest of A00-R99
7.6	12.1	20.7	28.0	38.9	54.9	85.2	140.9	233.6	458.2	F		
133.8	156.7	172.4	176.9	178.3	175.4	172.9	188.9	246.3	499.4	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
25.3	29.2	36.9	35.8	40.3	45.1	51.4	74.7	138.0	427.3	F		
23.6	22.5	23.9	27.2	23.2	23.7	25.6	25.4	33.7	41.0	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
4.5	5.3	5.3	5.3	6.3	7.8	8.0	10.2	14.4	14.8	F		
2.1	3.6	4.3	4.8	4.7	5.0	5.5	5.5	6.6	9.8	M	Fire	E890-E899/X00-X09
0.6	0.5	0.8	0.9	1.3	1.4	1.5	1.8	3.3	6.8	F		
42.3	52.2	56.4	54.4	55.2	44.9	43.5	48.6	56.7	83.7	M	Suicide	E950-E959/X60-X84
8.5	9.2	13.7	9.6	11.1	12.3	12.4	14.2	15.6	22.8	F		
6.7	7.0	7.5	6.6	6.8	4.7	5.1	4.0	3.6	7.9	M	Homicide	E960-E969/ X85-X99, Y00-Y09
2.4	2.4	2.2	2.4	1.6	1.9	1.5	1.6	2.1	4.3	F		
2530	2860	2845	2362	1687	1531	1362	1075	686	471	M	POPULATION	
2504	2885	2944	2536	1938	1919	1861	1709	1317	1107	F	(1000s; UN, 2002 revision)	

EU ACCESSION (10 countries): 1995, 2000
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Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	26051	1630	58	41	1531	77	614	1695	436	8159	13440
35-69	Sm.	87451	34130	21017	5836	7277	3926	1512	36040	-	11843	-
	Total	221819 (39%)	59522 (57%)	21991 (96%)	7580 (77%)	29951 (24%)	4598 (85%)	3608 (42%)	87528 (41%)	10513	26488 (45%)	29562
70+	Sm.	37609	13867	9014	1265	3588	4932	626	15684	-	2500	-
	Total	189538 (20%)	36782 (38%)	9794 (92%)	2022 (63%)	24966 (14%)	6585 (75%)	4818 (13%)	114482 (14%)	1675	18934 (13%)	6262
Any age	Sm.	125060	47997	30031	7101	10865	8858	2138	51724	-	14343	-
	Total	437408 (29%)	97934 (49%)	31843 (94%)	9643 (74%)	56448 (19%)	11260 (79%)	9040 (24%)	203705 (25%)	12624	53581 (27%)	49264
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	19618	1340	38	29	1273	60	446	1215	301	5391	10865
35-69	Sm.	73051	31096	18975	5568	6553	3307	1340	27565	-	9743	-
	Total	195563 (37%)	57036 (55%)	19962 (95%)	7478 (74%)	29596 (22%)	3928 (84%)	3486 (38%)	71924 (38%)	10146	24049 (41%)	24994
70+	Sm.	40281	16378	10670	1351	4357	5256	793	15086	-	2768	-
	Total	191432 (21%)	43600 (38%)	11582 (92%)	2133 (63%)	29885 (15%)	6960 (76%)	5924 (13%)	107919 (14%)	1644	19314 (14%)	6071
Any age	Sm.	113332	47474	29645	6919	10910	8563	2133	42651	-	12511	-
	Total	406613 (28%)	101976 (47%)	31582 (94%)	9640 (72%)	60754 (18%)	10948 (78%)	9856 (22%)	181058 (24%)	12091	48754 (26%)	41930

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		36021	19131	14924	2931	2957	2489	1834	1721	1619	1373	983	447	536
2000		35769	18362	15176	2530	2860	2845	2362	1687	1531	1362	1075	686	471
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		437408	26051	221819	11683	18519	23276	26551	35700	48069	58021	60033	39576	89929
2000		406613	19618	195563	7534	14556	22652	28216	29731	40502	52372	59881	56025	75526
Lung cancer														
1995		31843	58	21991	211	753	1523	2541	4292	5964	6707	5315	2270	2209
2000		31582	38	19962	121	567	1580	2726	3456	5189	6323	5857	3675	2050
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)														
All causes														
1995		1449.2*	142.8*	1810.9*	398.6	626.3	935.1	1447.9	2074.5	2969.6	4224.6	6109.0	8851.7	16784.1
2000		1295.0*	110.3*	1578.9*	297.8	508.9	796.3	1194.6	1762.0	2646.2	3846.4	5572.9	8169.3	16038.6
All cancer														
1995		323.0*	8.7*	510.3*	36.5	92.8	196.8	383.3	623.9	936.0	1302.8	1647.8	1934.9	2228.1
2000		318.4*	7.2*	482.7*	28.5	79.5	182.2	341.7	570.1	905.5	1271.1	1668.2	2062.3	2448.9
Lung cancer														
1995		104.0*	0.3*	191.2*	7.2	25.5	61.2	138.6	249.4	368.4	488.4	540.9	507.7	412.3
2000		97.4*	0.2*	172.0*	4.8	19.8	55.5	115.4	204.8	339.0	464.4	545.1	535.9	435.3
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		31.3*	0.2*	61.1*	4.9	18.4	41.0	73.8	86.2	99.0	104.3	98.3	106.2	108.4
2000		29.5*	0.2*	58.0*	3.4	15.8	38.7	65.1	86.4	99.2	97.6	93.7	93.9	102.4
Other cancer														
1995		187.7*	8.1*	258.0*	24.4	48.9	94.6	171.0	288.3	468.6	710.1	1008.6	1321.0	1707.4
2000		191.6*	6.9*	252.7*	20.4	43.9	88.0	161.2	279.0	467.3	709.1	1029.4	1432.5	1911.2
Chronic obstructive pulmonary disease (COPD)														
1995		38.6*	0.4*	41.6*	1.8	3.9	8.2	19.4	38.8	78.3	140.8	223.6	323.9	548.7
2000		35.5*	0.3*	35.8*	1.1	3.1	6.4	13.9	32.9	69.8	123.2	211.6	326.5	519.6
Other respiratory disease														
1995		30.6*	3.5*	29.2*	6.9	12.3	16.4	23.1	30.4	44.2	70.7	121.7	200.2	509.0
2000		32.9*	2.8*	28.0*	5.8	10.9	15.0	18.7	30.2	44.2	71.4	126.8	233.2	629.2
Vascular disease														
1995		697.7*	9.3*	749.6*	79.0	161.3	289.1	505.7	821.5	1331.9	2059.0	3328.8	5227.2	10899.4
2000		596.1*	6.6*	610.8*	51.0	119.4	228.8	399.0	649.1	1076.4	1752.2	2780.5	4463.3	10072.8
Liver cirrhosis														
1995		39.2*	2.4*	77.8*	28.5	49.1	69.0	95.6	100.5	103.2	98.6	92.8	86.3	70.4
2000		35.7*	1.7*	73.0*	21.9	46.0	64.5	78.1	101.2	102.1	97.4	81.0	75.7	54.2
Other medical causes														
1995		175.6*	47.4*	201.6*	78.1	114.7	151.3	187.2	236.4	286.1	357.5	485.3	807.0	1970.3
2000		156.8*	35.2*	181.9*	55.7	93.2	127.0	166.4	200.2	272.7	358.2	515.9	762.2	1814.4
All non-medical causes														
1995		144.5*	71.2*	200.8*	167.9	192.2	204.3	233.6	222.9	189.8	195.3	209.0	272.2	558.2
2000		119.6*	56.5*	166.6*	133.7	156.7	172.4	176.9	178.3	175.4	172.9	188.9	246.3	499.5

1995, 2000: EU ACCESSION (10 countries)

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	11233	1366	33	13	1320	64	430	657	133	5600	2983
35-69	Sm.	11753	3799	2871	316	612	801	174	5283	-	1696	-
	Total	106900 (11%)	37163 (10%)	4181 (69%)	844 (37%)	32138 (2%)	1517 (53%)	1520 (11%)	42486 (12%)	3915	13193 (13%)	7106
70+	Sm.	11596	2451	1813	210	428	1772	185	6075	-	1113	-
	Total	274961 (4%)	35916 (7%)	2994 (61%)	766 (27%)	32156 (1%)	3847 (46%)	6252 (3%)	184103 (3%)	1246	34023 (3%)	9574
Any age	Sm.	23349	6250	4684	526	1040	2573	359	11358	-	2809	-
	Total	393094 (6%)	74445 (8%)	7208 (65%)	1623 (32%)	65614 (2%)	5428 (47%)	8202 (4%)	227246 (5%)	5294	52816 (5%)	19663
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	7949	1084	27	7	1050	31	265	450	90	3636	2393
35-69	Sm.	11857	4485	3395	401	689	861	203	4573	-	1735	-
	Total	92904 (13%)	36477 (12%)	4727 (72%)	922 (43%)	30828 (2%)	1505 (57%)	1525 (13%)	32332 (14%)	3537	11456 (15%)	6072
70+	Sm.	13226	3107	2321	230	556	1931	276	6648	-	1264	-
	Total	270523 (5%)	41186 (8%)	3698 (63%)	747 (31%)	36741 (2%)	4032 (48%)	8038 (3%)	175966 (4%)	1211	32265 (4%)	7825
Any age	Sm.	25083	7592	5716	631	1245	2792	479	11221	-	2999	-
	Total	371376 (7%)	78747 (10%)	8452 (68%)	1676 (38%)	68619 (2%)	5568 (50%)	9828 (5%)	208748 (5%)	4838	47357 (6%)	16290

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		38508	18387	16430	2912	2990	2583	2002	2006	2001	1935	1628	817	1246
2000		38343	17624	16586	2504	2885	2944	2536	1938	1919	1861	1709	1317	1107
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		393094	11233	106900	3839	6556	8880	10340	15429	24182	37674	53498	46092	175371
2000		371376	7949	92904	2582	5253	9071	11586	13269	19715	31428	48940	67345	154238
Lung cancer														
1995		7208	33	4181	84	247	431	526	642	1028	1223	1244	671	1079
2000		8452	27	4727	74	230	577	785	786	997	1278	1378	1229	1091
ANNUAL DEATH RATE / 100,000														
All causes					(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)									
1995		796.5*	65.6*	733.7*	131.8	219.2	343.7	516.4	769.1	1208.3	1947.5	3285.9	5640.2	14077.0
2000		726.5*	50.1*	635.9*	103.1	182.1	308.1	456.9	684.6	1027.6	1688.9	2864.2	5115.1	13929.2
All cancer														
1995		166.5*	7.6*	253.3*	42.6	83.2	143.2	215.1	289.8	422.0	577.3	761.8	970.3	1250.9
2000		165.8*	6.2*	246.4*	35.0	75.9	137.6	212.0	298.4	400.4	565.3	743.7	1005.8	1376.0
Lung cancer														
1995		16.6*	0.2*	28.7*	2.9	8.3	16.7	26.3	32.0	51.4	63.2	76.4	82.1	86.6
2000		18.4*	0.1*	31.8*	3.0	8.0	19.6	31.0	40.6	52.0	68.7	80.6	93.3	98.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		3.7*	0.1*	5.7*	0.9	2.2	3.7	5.7	6.9	9.3	11.0	13.3	19.3	31.4
2000		3.7*	0.0*	6.0*	0.4	2.7	4.7	6.6	9.5	8.8	9.6	12.2	16.8	28.7
Other cancer														
1995		146.3*	7.4*	219.0*	38.8	72.7	122.8	183.1	250.9	361.3	503.1	672.1	868.8	1132.9
2000		143.7*	6.0*	208.5*	31.6	65.3	113.4	174.5	248.3	339.7	487.0	650.8	895.6	1248.8
Chronic obstructive pulmonary disease (COPD)														
1995		10.9*	0.4*	10.6*	1.2	1.5	3.4	5.8	10.8	20.2	31.6	55.6	83.5	181.3
2000		10.7*	0.2*	10.7*	1.1	1.1	3.1	6.2	11.7	16.9	34.7	52.6	86.5	180.2
Other respiratory disease														
1995		16.2*	2.5*	10.3*	3.0	4.4	4.9	7.0	9.9	15.2	27.4	57.8	114.3	351.3
2000		18.7*	1.7*	10.5*	2.3	3.4	4.6	6.4	10.9	16.3	29.4	54.5	128.2	489.4
Vascular disease														
1995		433.8*	3.7*	299.6*	22.7	44.5	88.4	150.5	277.2	516.3	997.9	1932.7	3655.4	9854.3
2000		385.4*	2.6*	230.2*	16.7	34.5	65.6	116.7	208.7	392.2	777.1	1569.7	3144.9	9729.8
Liver cirrhosis														
1995		13.2*	0.8*	25.6*	8.7	14.6	20.4	32.5	33.3	35.6	34.3	34.4	33.9	32.8
2000		11.5*	0.5*	22.7*	6.1	12.4	19.5	23.9	33.4	33.4	30.1	30.3	29.8	27.1
Other medical causes														
1995		112.2*	34.3*	89.5*	22.6	33.6	44.4	60.5	99.4	147.7	218.3	344.8	607.9	1881.6
2000		98.5*	25.7*	77.8*	16.8	25.6	40.7	56.0	81.2	123.4	200.8	338.7	581.8	1699.4
All non-medical causes														
1995		43.7*	16.3*	44.7*	31.1	37.4	39.1	44.9	48.8	51.2	60.6	98.8	175.0	524.6
2000		35.8*	13.2*	37.7*	25.3	29.2	36.9	35.8	40.3	45.1	51.4	74.7	138.0	427.3

EU ACCESSION (10 countries): 2000
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Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 20	– / 7.9	–
35–69	73 / 196	12 / 93	21 years
70+	40 / 191	13 / 271	8 years
All ages	113 / 407	25 / 371	16 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

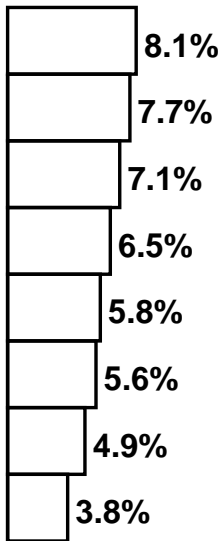
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	19/20	11/12	30/32	–/0.0	3.4/4.7	2.3/3.7	5.7/8.5
All Cancer	–/1.3	31/57 (55%)	16/44 (38%)	47/102	–/1.1	4.5/36 (12%)	3.1/41 (8%)	7.6/79
Vascular	–/1.2	28/72	15/108	43/181	–/0.4	4.6/32	6.6/176	11/209
Respiratory	–/0.5	4.6/7.4	6.0/13	11/21	–/0.3	1.1/3.0	2.2/12	3.3/15
All Other	–/17	9.7/59	2.8/27	13/103	–/6.1	1.7/21	1.3/41	3.0/68
All Causes	–/20	73/196 (37%)	40/191 (21%)	113/407	–/7.9	12/93 (13%)	13/271 (5%)	25/371

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	47 / 102 (47%)	7.6 / 79 (10%)	55 / 181 (30%)
All Causes	113 / 407 (28%)	25 / 371 (7%)	138 / 778 (18%)

1965-2000: EU ACCESSION (10 countries)

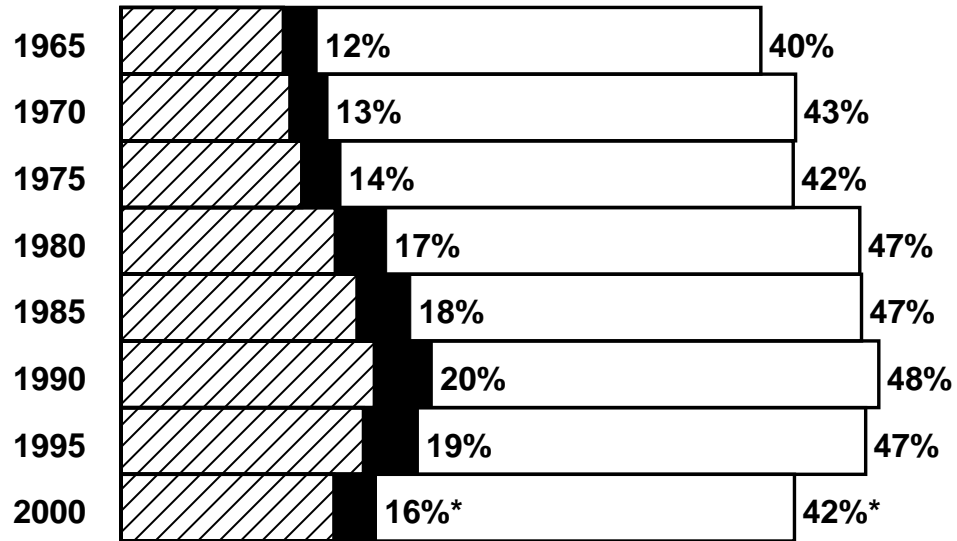
Population risk of dying at ages 0–34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

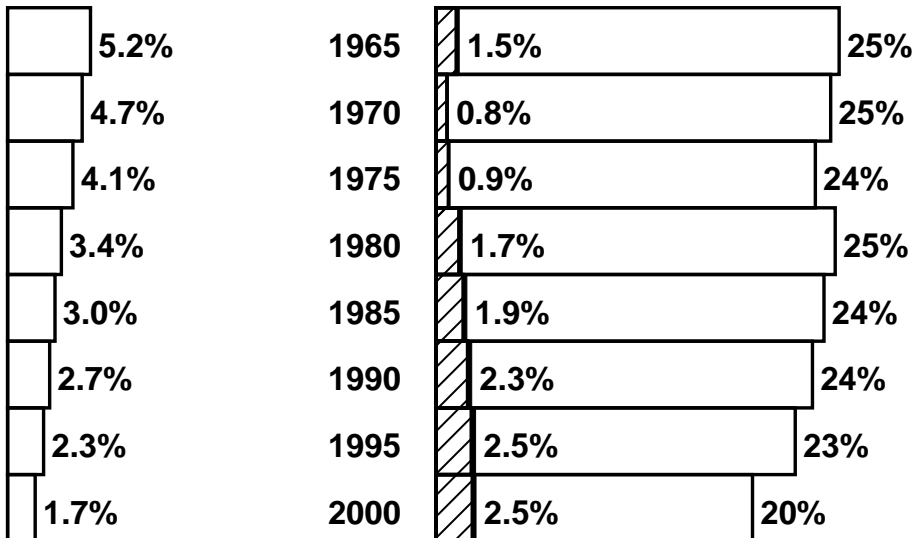
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 42 would die before age 70 (with 16 of these deaths attributed to smoking)

FEMALE



EU ACCESSION (10 countries): 1960-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	-/44	37/134 (28%)	14/115 (12%)	51/293	-/27	2.4/94 (2%)	2.7/156 (2%)	5.1/278
1970	-/41	48/157 (30%)	23/139 (17%)	71/337	-/24	3.1/99 (3%)	3.5/189 (2%)	6.6/311
1975	-/41	52/161 (32%)	32/163 (19%)	84/365	-/23	3.6/97 (4%)	5.8/215 (3%)	9.4/335
1980	-/42	69/187 (37%)	40/205 (20%)	109/434	-/21	6.9/106 (7%)	7.4/266 (3%)	14/393
1985	-/36	76/188 (40%)	40/209 (19%)	116/433	-/18	7.9/99 (8%)	8.6/280 (3%)	17/397
1990	-/32	91/220 (41%)	34/190 (18%)	125/442	-/14	11/111 (10%)	11/268 (4%)	21/393
1995	-/26	87/222 (39%)	38/190 (20%)	125/437	-/11	12/107 (11%)	12/275 (4%)	23/393
2000	-/20	73/196 (37%)	40/191 (21%)	113/407	-/7.9	12/93 (13%)	13/271 (5%)	25/371

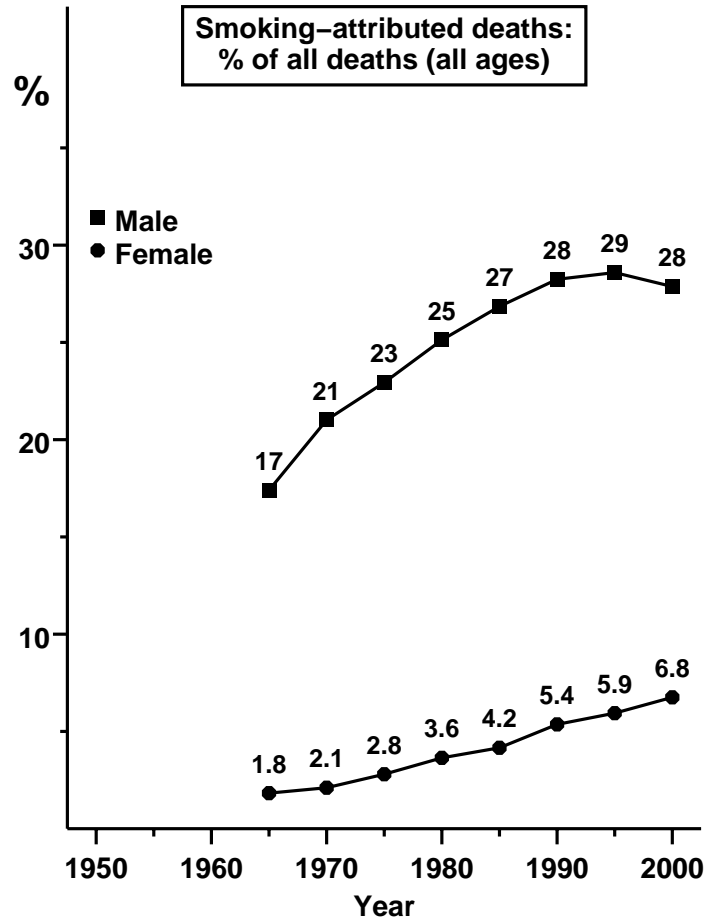
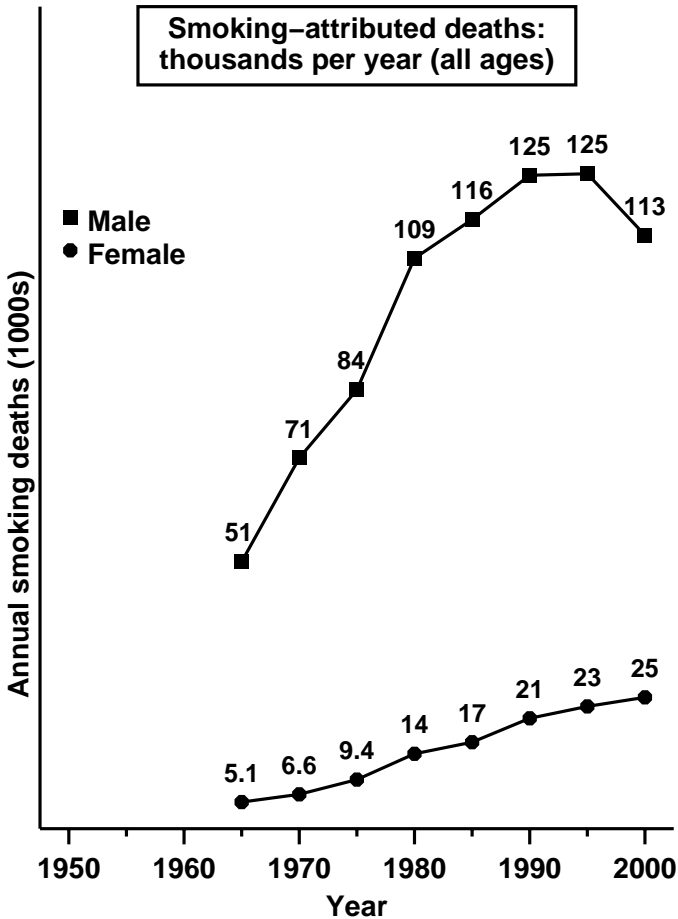
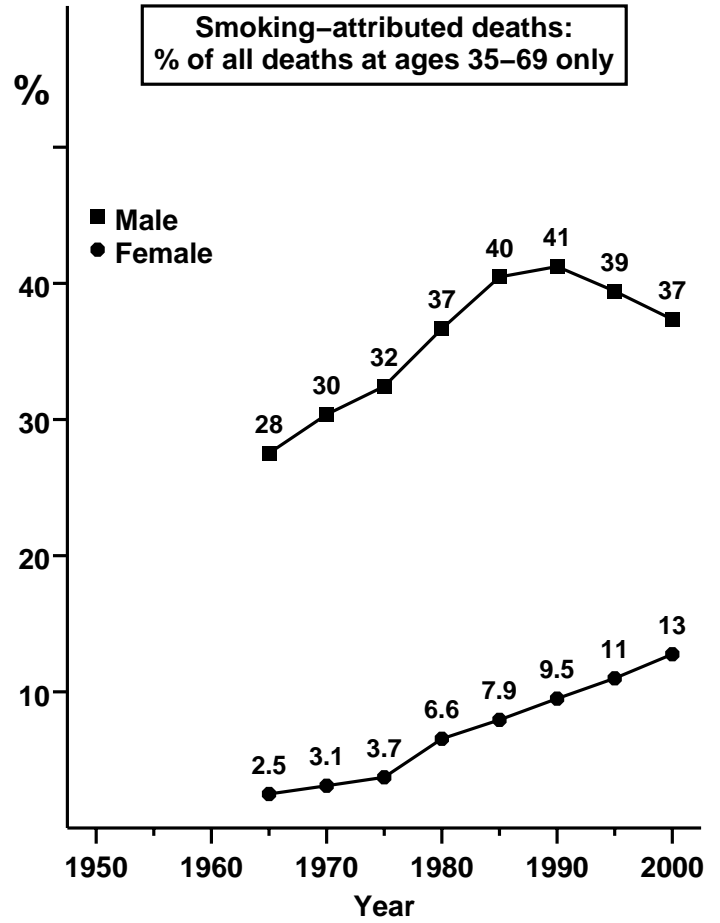
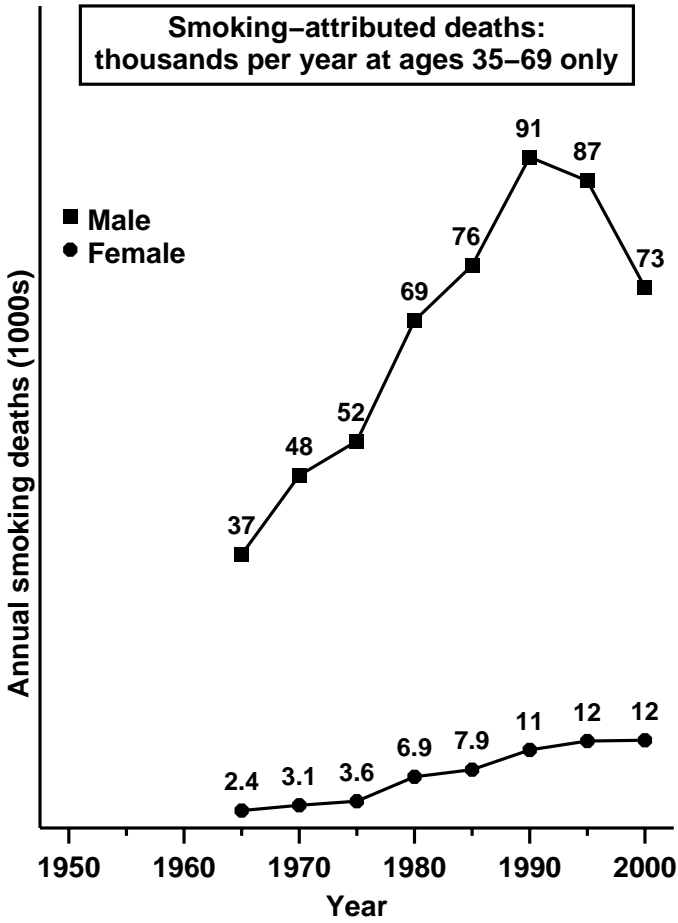
40-year total* (M=millions), mid-1960 to mid-2000: 4.3/ 29M

1960-2000 by age & sex:

-/1.5M	2.5/7.1M (36%)	1.2/6.8M (18%)	3.8/15M	-/0.8M	0.3/4.0M (6%)	0.3/9.3M (3%)	0.5/14M
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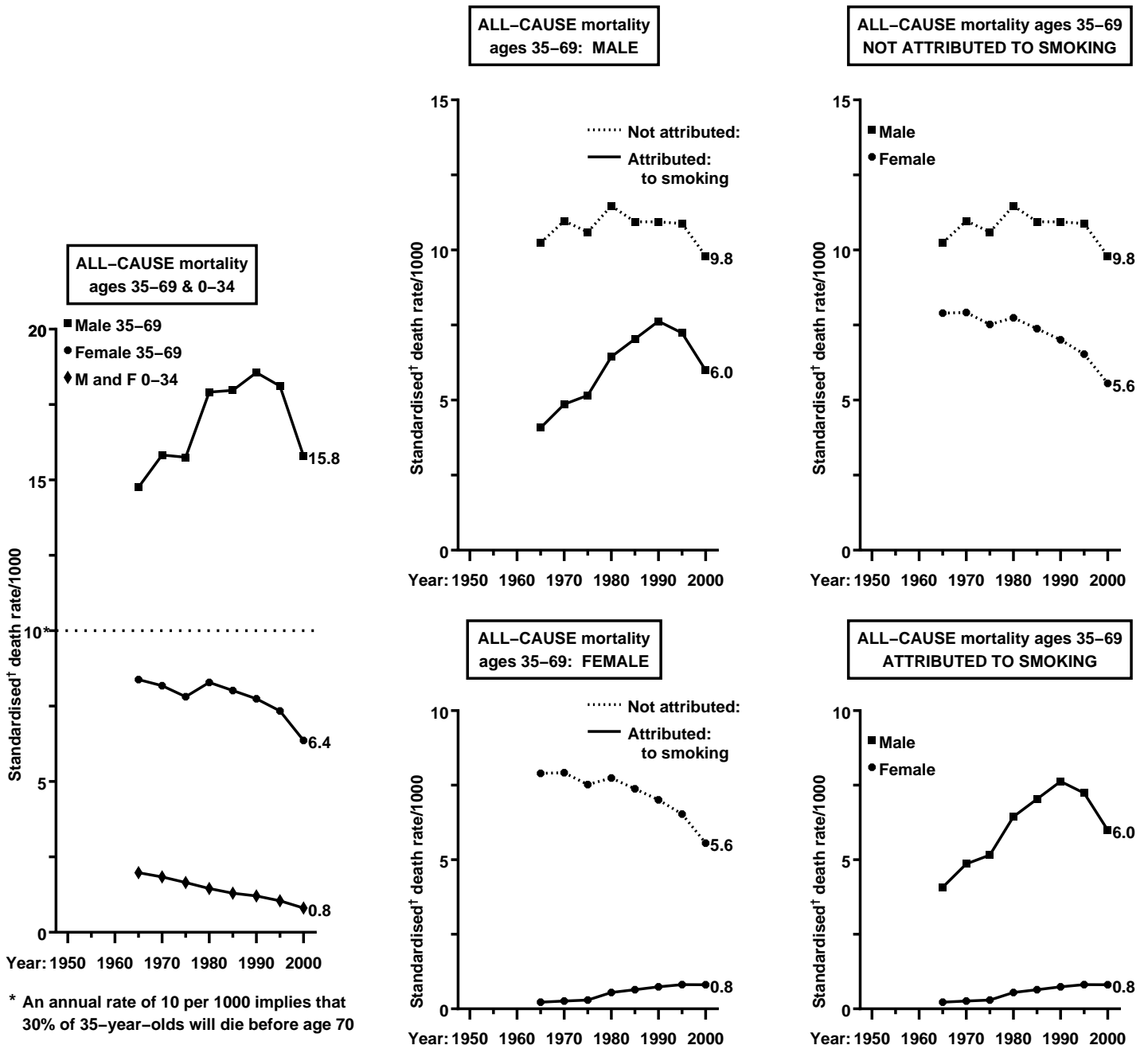
*Estimated as 10 times the sum of the annual numbers for 1965, 1975, 1985 & 1995

1965-2000: EU ACCESSION (10 countries)



EU ACCESSION (10 countries): 1965-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

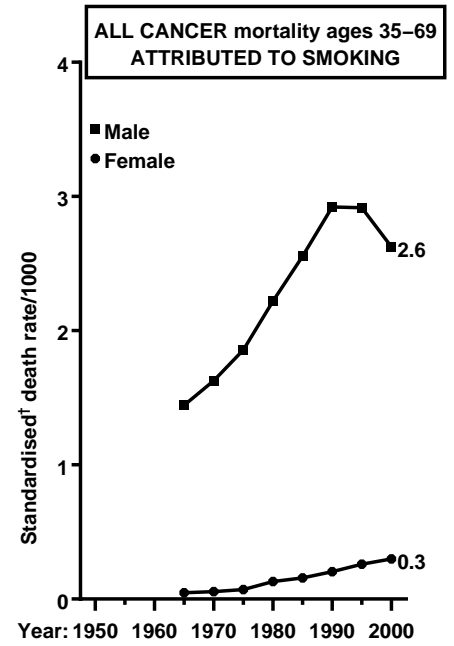
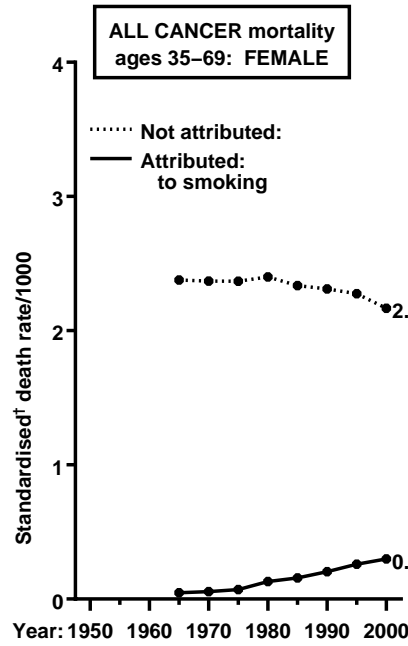
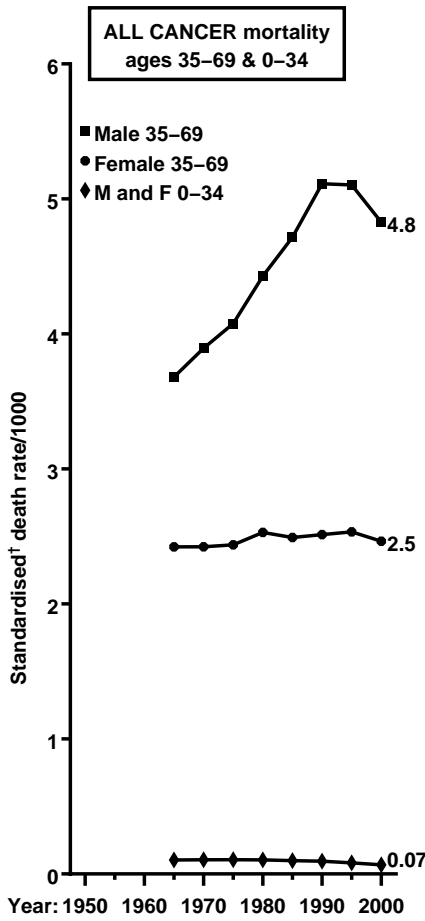
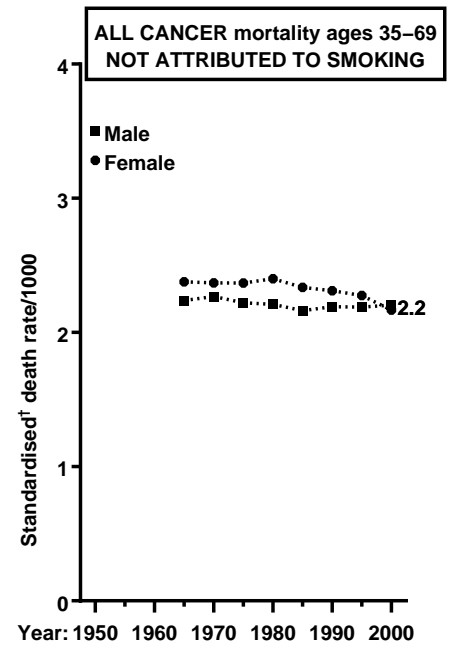
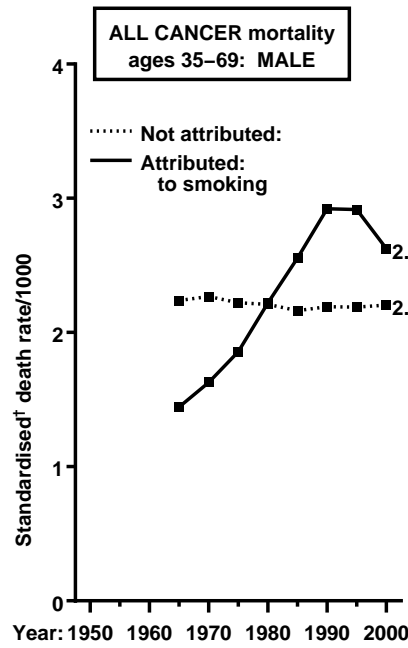
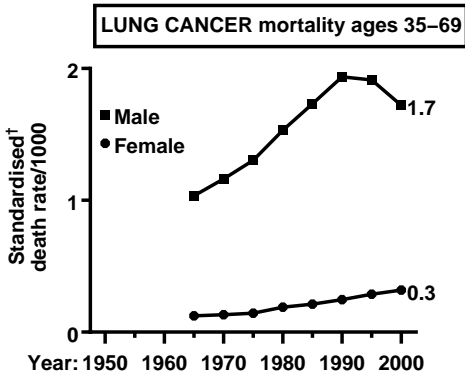
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965	-	2.41	4.08	10.2	11.2	68.4	-	1.53	0.22	7.89	1.23	57.6	-	1.38	0.26	7.92
1970	-	2.29	4.86	11.0	15.3	68.5	-	1.20	0.29	7.52	1.65	54.8	-	0.99	0.55	7.74
1975	-	2.09	5.16	10.6	18.2	68.2	-	0.87	0.64	7.38	1.93	51.7	-	0.87	0.64	7.38
1980	-	1.91	6.44	11.5	18.2	67.1	-	0.77	0.74	7.01	2.41	46.4	-	0.77	0.74	7.01
1985	-	1.72	7.03	10.9	17.1	63.9	-	0.66	0.81	6.53	2.35	42.3	-	0.66	0.81	6.53
1990	-	1.64	7.62	10.9	16.8	58.0	-	0.50	0.81	5.55	2.41	37.5	-	0.50	0.81	5.55
1995	-	1.43	7.23	10.9	16.3	52.5	-						-			
2000	-	1.10	5.99	9.80	16.3	52.5	-						-			

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1965-2000: EU ACCESSION (10 countries)

Trends in ALL CANCER mortality attributed and not attributed to smoking



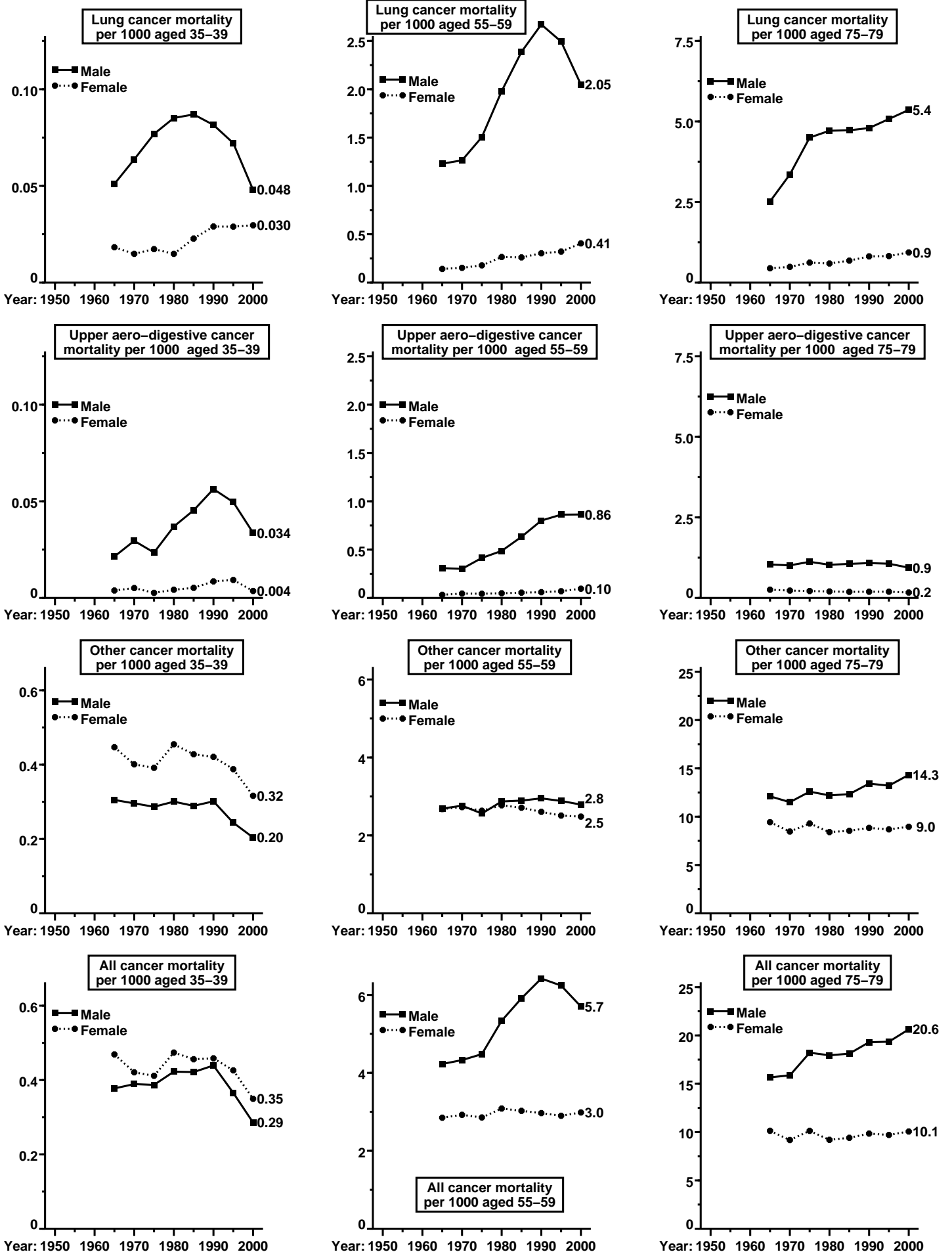
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965	-	0.11	1.44	2.24	3.75	10.5	-	0.10	0.05	2.38	0.20	8.73	-	0.10	0.05	2.37
1970	-	0.11	1.63	2.27	4.79	10.4	-	0.10	0.05	2.37	0.20	8.27	-	0.10	0.07	2.37
1975	-	0.11	1.86	2.22	6.03	10.5	-	0.10	0.13	2.40	0.32	7.80	-	0.10	0.16	2.33
1980	-	0.11	2.22	2.21	6.13	10.2	-	0.10	0.16	2.33	0.40	8.01	-	0.09	0.20	2.31
1985	-	0.11	2.55	2.16	6.34	10.4	-	0.09	0.20	2.31	0.59	8.04	-	0.09	0.26	2.27
1990	-	0.10	2.92	2.19	6.61	10.8	-	0.09	0.26	2.27	0.63	8.03	-	0.08	0.30	2.17
1995	-	0.09	2.92	2.19	7.15	10.8	-	0.08	0.30	2.17	0.71	8.03	-	0.08	0.30	2.17
2000	-	0.07	2.62	2.20	7.40	11.3	-	0.06	0.30	2.17	0.71	8.03	-	0.06	0.30	2.17

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

EU ACCESSION (10 countries): 1965-2000

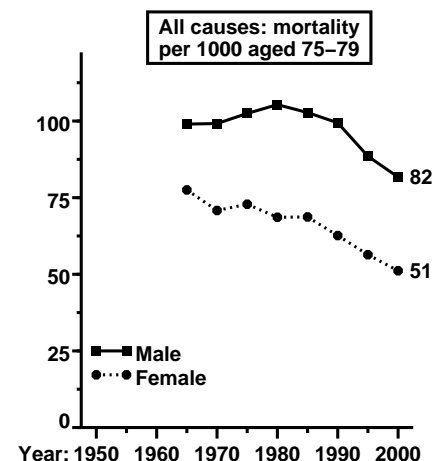
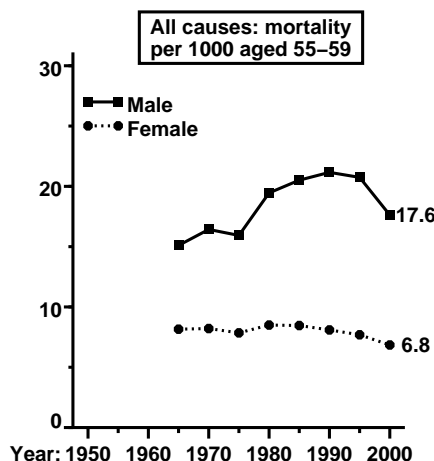
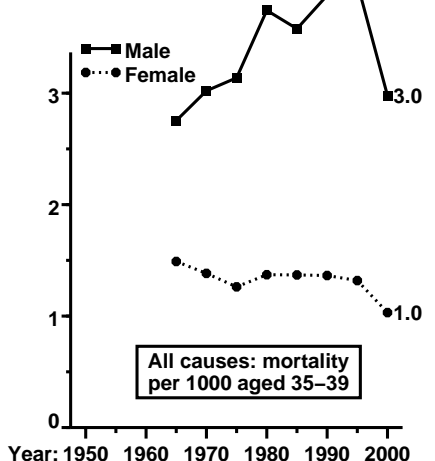
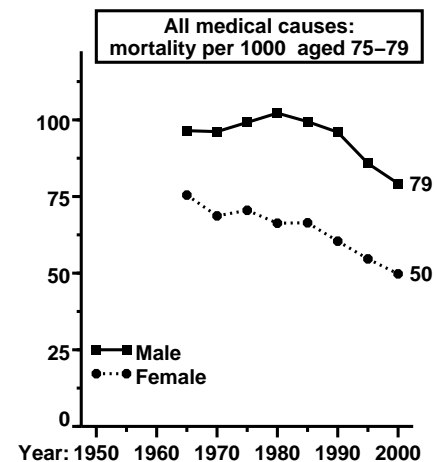
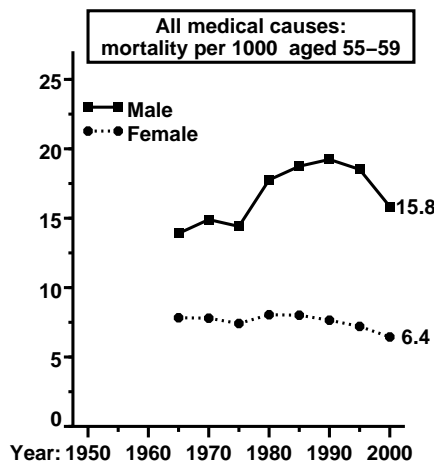
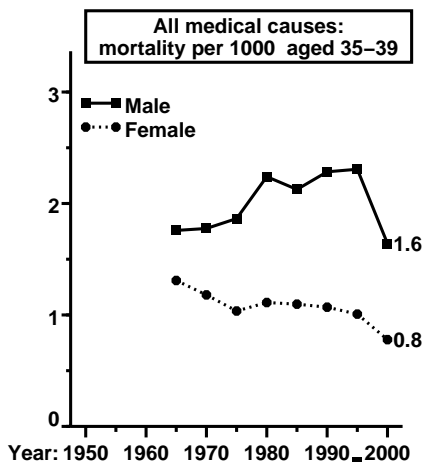
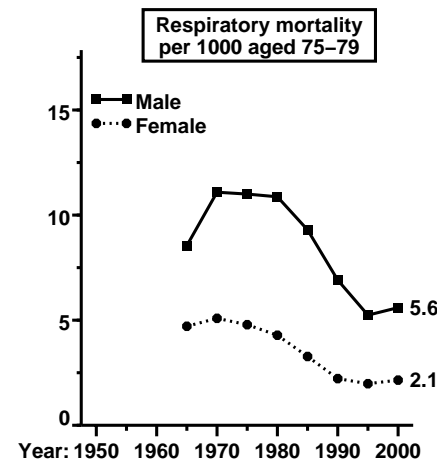
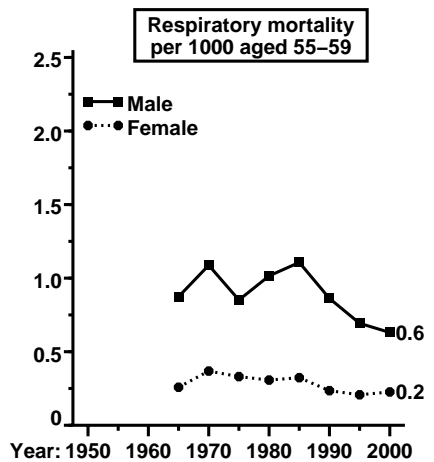
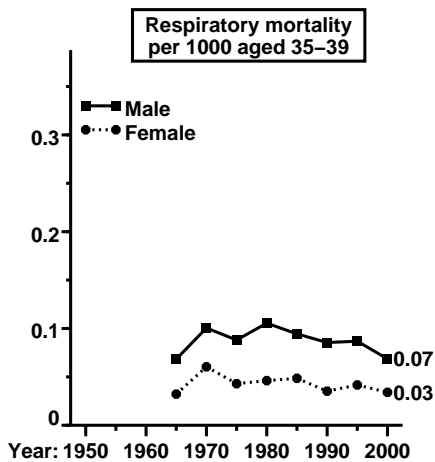
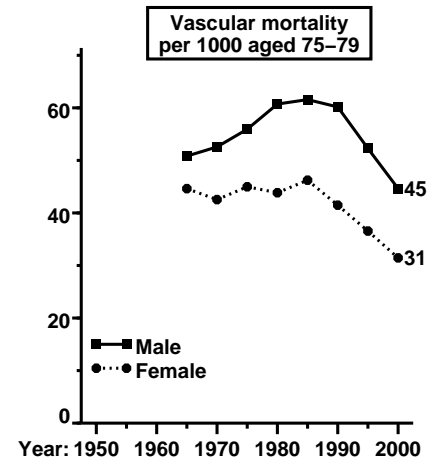
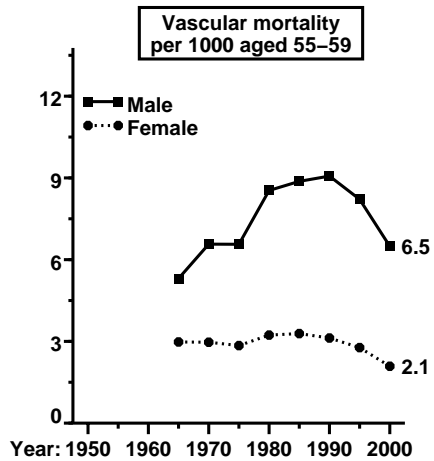
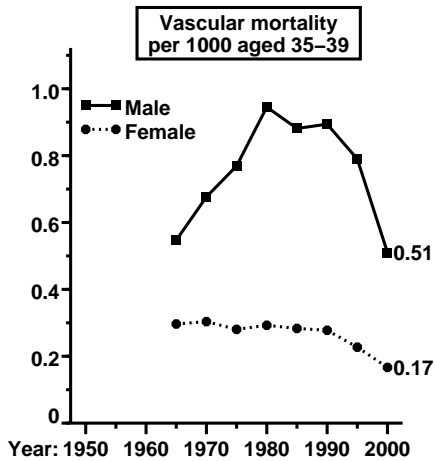
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: 1965, 1970, 1975, 1980, 1985, 1990, 1995 and 2000

1965-2000: EU ACCESSION (10 countries)

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: 1965, 1970, 1975, 1980, 1985, 1990, 1995 and 2000

ENLARGED EU (25 countries* - EU25): 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	2214292	85395	779132	902.5	80.8	930.5	136.7	15.7	18.7	65.8	101.4	105.4	122.2
	F	2237790	38644	397218	545.6	39.8	438.5	111.0	11.4	12.9	27.9	31.9	34.5	49.1
Tuberculosis	M	4438	124	2192	1.8	0.1	2.4	0.0	0.0	0.0	0.0	0.1	0.2	0.4
	F	2257	64	557	0.6	0.1	0.6	0.0	0.0	-	0.0	0.1	0.2	0.1
HIV	M	4797	1202	3498	2.0	1.0	3.2	0.1	0.0	0.0	0.1	0.5	1.9	4.5
	F	1167	424	715	0.5	0.4	0.6	0.1	0.0	0.0	0.0	0.2	0.7	1.5
Other infective and parasitic	M	17148	1118	6073	7.1	1.1	7.2	4.2	0.3	0.4	0.6	0.6	0.8	1.2
	F	19142	842	3714	5.0	0.9	4.1	3.6	0.4	0.4	0.7	0.5	0.4	0.6
ALL CANCER	M	625676	6597	276499	254.0	6.1	338.8	3.4	3.6	3.2	5.6	6.3	8.3	12.2
	F	492963	5730	180931	142.4	5.3	198.7	2.8	2.7	2.8	3.4	4.5	7.1	14.0
Mouth and pharynx cancer	M	19323	120	14023	8.3	0.1	16.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3
	F	5401	57	2559	1.7	0.1	2.7	0.0	0.0	0.0	0.0	0.0	0.1	0.2
Oesophagus cancer	M	19643	43	11451	8.2	0.0	13.7	-	-	-	-	0.0	0.1	0.2
	F	6635	16	2087	1.8	0.0	2.3	-	-	-	-	0.0	0.0	0.1
Stomach cancer	M	38320	206	15872	15.4	0.2	19.5	-	-	-	0.0	0.1	0.3	0.8
	F	27165	180	7487	7.2	0.2	8.3	-	-	0.0	0.0	0.1	0.3	0.6
Colorectal cancer	M	68268	237	26662	27.4	0.2	33.3	0.0	-	-	0.1	0.2	0.4	0.8
	F	64822	227	17481	17.0	0.2	19.6	-	-	0.0	0.1	0.2	0.3	0.8
Liver cancer	M	19036	110	8964	7.7	0.1	11.2	0.1	0.0	0.0	0.1	0.1	0.2	0.2
	F	8897	53	2617	2.4	0.1	3.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1
Pancreas cancer	M	27965	91	13723	11.4	0.1	16.8	-	-	-	0.0	0.0	0.1	0.4
	F	28429	41	8730	7.7	0.0	9.9	-	-	0.0	-	0.0	0.0	0.1
Larynx cancer	M	11593	14	7112	4.8	0.0	8.4	-	-	0.0	-	0.0	0.0	0.1
	F	1191	2	575	0.4	0.0	0.6	-	-	-	-	-	-	0.0
Lung cancer	M	170913	228	87305	69.5	0.2	107.9	0.0	0.0	0.0	0.0	0.1	0.3	0.9
	F	53098	146	23755	16.3	0.1	26.2	0.0	0.0	0.0	0.0	0.1	0.3	0.5
Malignant melanoma	M	6062	271	3479	2.5	0.2	4.0	0.0	0.0	0.0	0.1	0.2	0.5	0.8
	F	5402	188	2540	1.7	0.2	2.7	0.0	0.0	0.0	0.1	0.2	0.4	0.5
Female breast cancer	F	85256	753	41914	27.1	0.6	44.9	-	0.0	0.0	-	0.1	0.7	3.6
Cervix cancer	F	9759	299	5881	3.4	0.3	6.0	-	-	-	-	0.1	0.5	1.2
Other uterine cancer	F	15492	48	5546	4.4	0.0	6.2	-	-	0.0	0.0	0.0	0.1	0.2
Ovarian cancer	F	27437	231	13021	8.6	0.2	14.3	-	0.0	0.0	0.1	0.2	0.4	0.7
Prostate cancer	M	63055	9	11141	24.8	0.0	14.8	-	0.0	-	0.0	0.0	-	0.0
Bladder cancer	M	25287	25	7427	10.0	0.0	9.5	0.0	0.0	-	-	0.0	0.0	0.1
	F	9412	14	1685	2.3	0.0	1.9	-	0.0	-	0.0	-	-	0.1
Other and ill-defined cancer sites	M	111436	3124	51111	45.6	2.9	61.6	2.0	2.2	1.6	2.7	3.1	3.9	4.9
	F	103459	2039	32480	28.8	2.0	36.0	1.7	1.7	1.7	1.7	1.7	2.2	3.2
Hodgkin's disease	M	1627	229	853	0.7	0.2	1.0	-	0.0	0.0	0.2	0.3	0.4	0.4
	F	1329	201	518	0.4	0.2	0.5	0.0	0.0	0.1	0.2	0.4	0.4	0.3
Myeloma and non-Hodgkin lymphomas	M	24065	547	10346	9.7	0.5	12.6	0.2	0.2	0.3	0.4	0.6	0.7	1.0
	F	23495	321	7306	6.5	0.3	8.2	0.1	0.1	0.1	0.2	0.4	0.5	0.6
Leukaemia	M	19083	1343	7030	7.8	1.3	8.5	1.0	1.1	1.2	1.8	1.3	1.2	1.4
	F	16284	914	4749	4.6	0.9	5.2	0.9	0.8	0.7	1.0	0.8	1.0	1.2
Diabetes	M	36715	255	11701	14.7	0.2	14.5	0.0	0.0	0.0	0.1	0.2	0.4	0.8
	F	54318	167	7923	12.6	0.1	9.1	0.0	0.0	0.0	0.1	0.1	0.2	0.5
ALL VASCULAR DISEASE	M	845514	4884	243630	339.7	4.4	299.5	2.8	0.7	1.1	2.5	4.5	6.9	12.0
	F	1027532	2528	101286	225.2	2.4	115.3	2.6	0.4	0.9	1.4	2.1	3.6	5.6
Rheumatic heart disease and fever	M	4115	74	1684	1.7	0.1	2.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2
	F	8670	48	2096	2.2	0.0	2.4	0.0	-	0.1	0.1	0.1	0.1	0.1
Hypertensive disease	M	27726	71	7753	11.2	0.1	9.6	0.0	0.0	0.0	0.0	0.1	0.1	0.2
	F	50471	34	4667	10.9	0.0	5.4	0.0	-	0.0	-	0.0	0.0	0.1
Ischaemic heart disease	M	377582	1020	129499	152.0	0.9	159.0	0.1	-	0.0	0.2	0.6	1.5	3.7
	F	346536	237	39520	77.4	0.2	45.5	0.1	0.0	0.0	0.0	0.1	0.4	0.8
Pulmonary embolism and other venous	M	17583	230	6366	7.1	0.2	7.7	0.0	0.0	0.0	0.1	0.2	0.3	0.7
	F	27084	290	5093	6.6	0.3	5.7	0.0	0.0	0.0	0.2	0.4	0.4	0.7
Cerebrovascular disease	M	190157	1006	42761	75.9	0.9	53.2	0.5	0.2	0.4	0.5	1.0	1.4	2.3
	F	287472	759	27127	62.8	0.7	30.6	0.4	0.1	0.3	0.3	0.6	1.2	2.0
Other vascular disease	M	228351	2483	55567	91.9	2.3	68.0	2.1	0.4	0.7	1.7	2.6	3.4	4.9
	F	307299	1160	22783	65.2	1.1	25.8	2.1	0.3	0.5	0.8	1.0	1.4	2.0
Chronic obstructive pulmonary disease	M	89551	344	19118	35.4	0.3	24.7	0.3	0.1	0.2	0.3	0.4	0.3	0.6
	F	54746	236	9116	13.1	0.2	10.4	0.1	0.1	0.2	0.3	0.2	0.3	0.4
Other respiratory disease	M	104225	1605	18133	41.9	1.6	22.2	4.0	0.4	0.4	0.9	1.4	1.7	2.3
	F	122907	916	8852	26.1	0.9	9.9	2.7	0.4	0.4	0.6	0.7	0.8	1.1
Peptic ulcer	M	8937	63	3136	3.6	0.1	3.7	0.0	0.0	0.0	0.0	0.0	0.1	0.2
	F	9405	36	1319	2.2	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Liver cirrhosis	M	49501	835	36863	21.1	0.7	41.3	0.0	0.0	0.0	0.0	0.1	0.9	3.7
	F	24276	367	14430	8.4	0.3	15.3	0.0	0.0	0.0	0.0	0.1	0.5	1.5
Renal disease	M	20927	192	4675	8.4	0.2	5.8	0.3	0.0	0.0	0.1	0.1	0.3	0.3
	F	23349	196	3296	5.4	0.2	3.7	0.3	0.1	0.0	0.1	0.2	0.3	0.3
Pregnancy, birth	F	273	188	85	0.1	0.2	0.1	-	-	-	0.1	0.2	0.4	0.5
Congenital and perinatal causes	M	13409	11842	1114	8.2	13.6	1.2	88.9	1.2	1.0	1.1	1.0	1.1	0.9
	F	11082	9402	1062	6.9	11.4	1.1	73.9	1.1	1.0	1.1	0.8	0.6	0.9
Ill-defined causes	M	70023	5584	26499	29.4	5.4	29.6	12.6	0.6	0.6	2.7	5.5	6.9	8.5
	F	87018	2334	9391	19.8	2.5	10.1	9.3	0.4	0.4	1.1	1.8	1.8	2.5
Other medical causes	M	168962	7974	51182	68.9	7.5	59.2	10.2	2.8	2.9	5.3	7.9	10.0	13.3
	F	226359	4323	31161	52.9	4.4	34.2	8.3	2.5	2.5	3.4	3.9	4.2	5.7
ALL NON-MEDICAL CAUSES	M	154469	42776	74819	66.2	38.7	77.1	9.8	6.0	8.8	46.5	72.9	65.7	61.4
	F	80996	10891	23380	24.5	10.5	23.8	7.2	3.2	4.3	15.6	16.4	13.2	13.7
Motor vehicle traffic accidents	M	35981	17069	14421	15.6	15.6	14.7	1.9	2.2	3.8	24.5	34.0	24.9	17.8
	F	12014	4505	4536	4.7	4.4	4.6	1.5	1.4	2.2	8.3	8.2	5.1	3.9
Fire	M	2523	498	1402	1.1	0.5	1.5	0.6	0.4	0.2	0.3	0.5	0.5	0.8
	F	1418	198	503	0.5	0.2	0.5	0.5	0.2	0.1	0.1	0.2	0.1	0.2
Suicide	M	44094	10476	25787	18.8	9.2	26.2	-	0.0	1.2	8.7	16.7	18.1	19.9
	F	14271	2384	8260	5.4	2.2	8.3	-	-	0.4	2.9	3.1	3.9	4.9
Homicide	M	3919	1514	2174	1.7	1.4	2.1	0.9	0.4	0.2	1.1	2		

2000: ENLARGED EU (25 countries - EU25)

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
171.8	281.1	444.0	659.0	974.3	1537.4	2446.0	3828.4	6098.2	14132.2	M	ALL CAUSES	001-999/A00-Y89
78.9	132.5	213.8	316.5	459.2	707.6	1160.8	1994.8	3585.4	11607.4	F		
0.9	1.5	2.0	2.4	2.6	3.4	4.2	6.8	11.4	18.7	M	Tuberculosis	010-018, 137/
0.2	0.3	0.5	0.4	0.5	0.9	1.4	2.8	4.9	8.1	F		A15-A19, B90
7.1	5.5	3.3	2.2	1.8	1.5	1.2	0.7	0.4	0.3	M	HIV	279.5, 279.6/B20-B24
1.8	1.1	0.6	0.3	0.2	0.2	0.2	0.1	0.1	0.0	F		
2.0	2.5	3.7	5.2	7.0	11.3	18.5	29.5	45.6	101.3	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.0	1.3	1.7	2.4	4.0	6.8	11.6	19.2	32.3	88.0	F		
23.1	56.6	124.9	231.2	380.6	613.1	942.5	1332.0	1800.0	2666.9	M	ALL CANCER	140-208/C00-C97
29.1	59.5	103.4	163.5	237.0	332.8	465.3	646.9	882.1	1419.3	F		
1.2	5.0	12.2	18.8	22.9	25.2	26.8	26.1	26.3	31.3	M	Mouth and pharynx cancer	140-149/C00-C14
0.3	1.1	2.1	2.9	3.8	4.2	4.8	5.5	7.1	14.1	F		
0.7	2.5	6.5	12.3	18.5	24.5	30.7	37.0	43.6	53.5	M	Oesophagus cancer	150/C15
0.1	0.4	1.0	1.8	3.0	4.3	5.7	8.6	12.1	22.8	F		
1.5	3.6	6.8	12.3	20.1	35.4	57.0	84.4	116.9	176.6	M	Stomach cancer	151/C16
1.5	2.6	3.8	5.6	8.2	13.5	22.8	35.2	51.6	100.5	F		
1.7	4.1	9.1	18.7	35.4	62.1	102.5	149.9	217.3	340.7	M	Colorectal cancer	153, 154/C18-C21
1.7	3.8	7.4	13.2	22.4	35.0	53.7	81.7	125.8	245.2	F		
0.5	1.3	3.0	6.4	11.3	21.3	34.8	46.9	57.2	57.7	M	Liver cancer	155.0/C22 excl C221
0.3	0.5	1.1	1.6	3.0	5.1	9.2	15.0	19.6	25.6	F		
0.9	2.7	5.8	11.5	20.9	31.6	44.2	59.9	76.4	99.4	M	Pancreas cancer	157/C25
0.5	1.2	3.3	6.2	11.4	18.9	27.6	41.8	60.5	87.4	F		
0.4	1.8	4.5	8.0	11.1	14.5	19.0	21.0	24.1	27.9	M	Larynx cancer	161/C32
0.0	0.2	0.4	0.7	0.9	0.9	1.2	1.7	1.7	2.5	F		
3.5	13.6	35.9	72.0	124.8	200.5	305.1	405.1	470.7	471.5	M	Lung cancer	162/C33, C34
2.0	6.8	13.8	22.1	33.0	43.7	62.0	83.3	97.0	101.8	F		
1.2	1.7	2.6	3.7	4.8	5.9	7.9	10.3	11.3	16.8	M	Malignant melanoma	172/C43
0.9	1.6	2.0	2.7	3.1	3.7	4.8	6.1	7.5	12.1	F		
9.1	18.1	30.6	46.6	59.7	70.7	79.4	95.2	120.0	194.3	F	Female breast cancer	174/C50
2.9	5.0	6.3	6.2	6.1	7.2	8.3	9.7	11.3	13.5	F	Cervix cancer	180/C53
0.6	1.3	2.4	4.3	7.1	11.1	16.6	22.7	29.4	43.2	F	Other uterine cancer	179, 182/C54, C55
1.4	3.6	7.3	12.6	18.8	25.3	31.3	37.8	45.0	54.1	F	Ovarian cancer	183/C56, C570-C574
0.1	0.2	0.9	3.3	9.8	28.2	61.1	120.3	238.1	584.9	M	Prostate cancer	185/C61
0.2	0.7	1.9	4.4	8.4	17.7	33.2	57.3	89.3	164.7	M	Bladder cancer	188/C67
0.1	0.3	0.7	1.0	1.7	3.7	5.9	11.1	18.4	44.4	F		
7.3	13.9	27.3	45.9	69.2	107.6	159.8	222.6	298.2	447.7	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
5.1	9.3	15.6	26.5	40.2	61.4	94.2	134.8	193.6	334.8	F		
0.5	0.6	0.7	0.7	1.0	1.4	1.8	2.2	3.2	3.7	M	Hodgkin's disease	201/C81
0.3	0.3	0.3	0.5	0.5	0.8	1.2	1.6	2.0	2.3	F		
1.8	2.6	4.5	8.1	13.8	22.7	34.5	51.0	72.5	98.9	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.0	1.7	2.8	5.3	8.9	14.4	23.5	35.0	49.6	68.6	F		
1.7	2.3	3.3	5.0	8.6	14.6	24.1	37.9	54.7	91.7	M	Leukaemia	204-208/C91-C95
1.1	1.8	2.6	3.6	5.3	8.9	13.3	20.0	29.9	52.3	F		
1.4	2.7	4.7	8.2	14.1	24.9	45.5	73.8	119.5	243.8	M	Diabetes	250/E10-E14
0.8	1.1	2.0	3.7	7.5	15.5	33.4	59.9	107.7	275.0	F		
25.6	59.7	113.5	189.4	299.9	513.9	894.7	1519.1	2591.2	6676.1	M	ALL VASCULAR DISEASE	390-459/I00-I99
10.5	20.5	36.2	58.9	96.6	192.0	392.5	816.9	1690.5	6289.7	F		
0.2	0.5	0.8	1.3	2.2	3.5	5.9	8.7	12.2	19.4	M	Rheumatic heart disease and fever	390-398/I00-I09
0.2	0.3	0.6	1.1	2.4	4.4	7.8	12.1	19.1	31.7	F		
0.5	1.6	3.4	5.9	10.0	16.7	29.0	46.3	83.4	233.6	M	Hypertensive disease	401-405/I10-I15
0.2	0.6	1.3	2.9	4.9	9.0	18.5	38.1	80.8	316.7	F		
10.9	29.7	60.3	105.1	168.0	277.3	461.8	736.4	1153.5	2480.9	M	Ischaemic heart disease	410-414/I20-I25
2.3	5.7	11.6	19.7	36.8	79.0	163.2	324.9	630.3	1973.5	F		
1.2	2.4	3.5	5.1	7.6	12.6	21.4	32.1	53.8	108.4	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.0	1.6	2.7	3.6	5.5	9.2	16.0	28.5	50.6	128.7	F		
4.5	9.6	18.3	29.5	48.1	89.5	173.2	329.0	632.4	1714.9	M	Cerebrovascular disease	430-438/I60-I69
3.6	6.8	11.5	17.8	25.6	48.1	100.8	223.7	490.0	1760.4	F		
8.3	15.9	27.2	42.6	64.0	114.3	203.4	366.6	656.0	2118.9	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
3.1	5.4	8.5	13.8	21.4	42.3	86.1	189.6	419.8	2078.7	F		
0.9	2.1	4.2	8.8	20.3	44.2	92.4	185.1	332.6	737.9	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.7	1.2	2.6	5.4	10.0	17.6	35.7	66.8	110.0	258.2	F		
3.5	6.0	8.5	12.8	19.4	36.1	69.1	140.8	304.0	1147.3	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.9	2.6	4.1	5.8	9.1	15.4	30.3	65.0	153.8	853.1	F		
0.4	1.2	2.1	3.1	3.9	6.1	9.2	14.7	26.1	62.5	M	Peptic ulcer	531-533/K25-K27
0.2	0.4	0.6	1.0	1.3	2.3	4.5	8.4	16.9	51.6	F		
9.7	21.6	33.6	41.3	51.7	63.2	68.4	65.5	62.9	57.4	M	Liver cirrhosis	571/K70, K74
3.9	7.4	12.2	15.9	19.5	23.0	25.2	28.9	32.3	30.4	F		
0.6	1.2	2.1	3.3	5.4	9.5	18.2	34.1	64.8	197.2	M	Renal disease	580-590/N00-N19
0.4	0.7	1.2	2.0	3.2	6.2	12.4	21.5	40.4	127.7	F		
0.4	0.1	0.0	0.0	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
0.9	0.9	1.1	1.3	1.5	1.3	1.2	1.5	2.6	3.6	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.8	0.8	0.9	1.2	1.5	1.2	1.2	1.4	1.6	2.9	F		
11.6	17.1	23.0	26.5	31.6	42.0	55.3	75.8	120.3	513.4	M	Ill-defined causes	780-799/R00-R99
3.2	4.7	7.1	8.0	10.1	14.6	22.7	39.7	79.6	591.5	F		
18.1	27.0	36.5	45.6	60.0	87.8	139.4	240.3	459.8	1315.1	M	Other medical causes	Rest of 001-799/ rest of A00-R99
7.8	11.9	17.9	25.0	34.5	52.2	90.0	167.4	347.2	1303.0	F		
66.1	75.5	80.7	77.8	74.5	79.0	86.4	108.7	156.9	390.7	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
16.3	18.9	22.8	23.0	24.3	26.9	34.3	49.9	86.2	308.8	F		
15.5	14.9	14.9	14.4	13.2	14.0	15.7	18.6	24.8	31.6	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
3.7	4.1	4.1	4.1	4.4	4.9	6.6	8.2	10.1	10.5	F		
1.0	1.4	1.6	1.5	1.5	1.7	1.6	2.0	3.0	6.0	M	Fire	E890-E899/X00-X09
0.3	0.4	0.5	0.5	0.6	0.6	0.7	1.1	2.0	3.8	F		
23.5	28.2	29.4	27.0	25.1	24.7	25.8	30.5	38.5	64.1	M	Suicide	E950-E959/X60-X84
6.2	7.3	9.4	8.4	8.8	8.9	8.9	10.2	11.2	13.6	F		
2.5	2.8	2.7	2.1	1.9	1.5	1.2	1.0	1.2	1.7	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.2	1.2	0.9	1.0	0.6	0.7	0.6	0.7	1.1	1.1	F		
17726	16611	15513	14574	12284	11442	9871	8210	5827	4813	M	POPULATION	
17480	16543	15658	14798	12770	12485	11562	10895	9481	10723	F	(1000s; UN, 2002 revision)	

ENLARGED EU (25 countries* - EU25): 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	110702	7612	330	203	7079	451	2153	6347	1294	41115	51730
35-69	Sm.	290698	139535	89048	23436	27051	18457	5261	90287	-	37158	-
	Total	863183 (34%)	292648 (48%)	95774 (93%)	35176 (67%)	161698 (17%)	23606 (78%)	17856 (29%)	292578 (31%)	39767	114654 (32%)	82074
70+	Sm.	266968	108706	70604	10010	28092	54286	8333	74886	-	20757	-
	Total	1322562 (20%)	316535 (34%)	77698 (91%)	16984 (59%)	221853 (13%)	74618 (73%)	73680 (11%)	627558 (12%)	12508	181563 (11%)	36100
Any age	Sm.	557666	248241	159652	33446	55143	72743	13594	165173	-	57915	-
	Total	2296447 (24%)	616795 (40%)	173802 (92%)	52363 (64%)	390630 (14%)	98675 (74%)	93689 (15%)	926483 (18%)	53569	337332 (17%)	169904
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	85395	6597	228	177	6192	344	1605	4884	835	28354	42776
35-69	Sm.	244398	124521	80320	20782	23419	14424	4807	68548	-	32098	-
	Total	779132 (31%)	276499 (45%)	87305 (92%)	32585 (64%)	156609 (15%)	19118 (75%)	18133 (27%)	243630 (28%)	36863	110070 (29%)	74819
70+	Sm.	263147	114463	75292	10223	28948	50261	8920	67231	-	22272	-
	Total	1349765 (19%)	342580 (33%)	83380 (90%)	17798 (57%)	241402 (12%)	70089 (72%)	84487 (11%)	597000 (11%)	11803	206932 (11%)	36874
Any age	Sm.	507545	238984	155612	31005	52367	64685	13727	135779	-	54370	-
	Total	2214292 (23%)	625676 (38%)	170913 (91%)	50560 (61%)	404203 (13%)	89551 (72%)	104225 (13%)	845514 (16%)	49501	345356 (16%)	154469

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		217577	107799	93076	16725	15742	15030	12735	12216	10969	9659	7561	4134	5007
2000		220302	103432	98020	17726	16611	15513	14574	12284	11442	9871	8210	5827	4813
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		2296447	110702	863183	38244	52611	72389	92408	138601	198071	270859	326756	278694	717112
2000		2214292	85395	779132	30454	46690	68880	96049	119688	175917	241454	314308	355312	680145
Lung cancer														
1995		173802	330	95774	865	2604	5827	9948	17229	25625	33676	32845	20479	24374
2000		170913	228	87305	617	2262	5562	10488	15326	22937	30113	33261	27428	22691
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)														
All causes														
1995		996.2*	100.3*	1073.5*	228.7	334.2	481.6	725.6	1134.5	1805.8	2804.2	4321.5	6741.7	14323.3
2000		902.5*	80.8*	930.5*	171.8	281.1	444.0	659.0	974.3	1537.4	2446.0	3828.4	6098.1	14132.3
All cancer														
1995		270.0*	6.8*	372.8*	28.2	65.9	135.5	248.2	419.5	684.2	1027.9	1412.1	1868.6	2646.8
2000		254.0*	6.1*	338.8*	23.1	56.6	124.9	231.2	380.6	613.1	942.5	1332.0	1800.0	2666.9
Lung cancer														
1995		76.6*	0.3*	123.1*	5.2	16.5	38.8	78.1	141.0	233.6	348.6	434.4	495.4	486.8
2000		69.5*	0.2*	107.9*	3.5	13.6	35.9	72.0	124.8	200.5	305.1	405.1	470.7	471.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		23.7*	0.2*	43.0*	3.0	11.8	25.6	43.0	57.7	74.9	85.1	92.4	101.6	115.8
2000		21.3*	0.2*	38.1*	2.3	9.3	23.2	39.1	52.4	64.2	76.5	84.0	94.1	112.6
Other cancer														
1995		169.7*	6.3*	206.6*	20.1	37.6	71.1	127.0	220.7	375.7	594.2	885.3	1271.6	2044.2
2000		163.1*	5.7*	192.8*	17.3	33.7	65.8	120.1	203.4	348.4	560.9	842.8	1235.2	2082.8
Chronic obstructive pulmonary disease (COPD)														
1995		41.9*	0.4*	31.6*	1.1	2.4	5.1	11.3	24.5	57.4	119.5	230.2	403.1	809.9
2000		35.4*	0.3*	24.7*	0.9	2.1	4.2	8.8	20.3	44.2	92.4	185.1	332.6	737.9
Other respiratory disease														
1995		39.6*	2.0*	22.6*	4.3	6.8	8.6	12.5	19.7	36.9	69.7	143.4	301.6	1006.2
2000		41.9*	1.6*	22.2*	3.5	6.0	8.5	12.8	19.4	36.1	69.1	140.8	304.0	1147.3
Vascular disease														
1995		396.7*	5.5*	374.7*	36.3	74.4	130.0	217.8	379.4	666.6	1118.7	1863.8	3094.9	7164.5
2000		339.7*	4.4*	299.5*	25.6	59.7	113.5	189.4	299.9	513.9	894.7	1519.1	2591.2	6676.2
Liver cirrhosis														
1995		24.3*	1.1*	46.7*	13.8	24.2	33.7	46.0	61.1	73.2	74.7	75.8	74.9	73.6
2000		21.1*	0.7*	41.3*	9.7	21.6	33.6	41.3	51.7	63.2	68.4	65.5	62.9	57.4
Other medical causes														
1995		148.6*	39.5*	136.1*	64.7	71.0	82.7	101.8	139.3	198.4	294.9	474.1	831.5	2223.9
2000		144.2*	29.1*	126.8*	43.0	59.7	78.6	97.8	127.9	187.9	292.6	477.2	850.5	2455.9
All non-medical causes														
1995		75.1*	45.1*	89.0*	80.2	89.5	86.1	88.0	90.9	89.0	99.0	122.2	167.2	398.6
2000		66.2*	38.7*	77.1*	66.1	75.5	80.7	77.8	74.5	79.0	86.4	108.7	156.9	390.7

1995, 2000: ENLARGED EU (25 countries - EU25)
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Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL	ALL	Lung	Upper aero-	Other	COPD	Other	Vascular	Liver	Other	Non-
		CAUSES	CANCER	cancer	digestive ca. (see below)	cancer		respiratory	disease	cirrhosis	medical	medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	49454	6753	183	85	6485	336	1284	3233	490	24105	13253
35-69	Sm.	45075	17625	13562	1599	2464	5423	1036	14653	-	6338	-
	Total	438619 (10%)	188311 (9%)	21536 (63%)	5011 (32%)	161764 (2%)	10376 (52%)	8304 (12%)	128202 (11%)	16028	61784 (10%)	25614
70+	Sm.	93690	22368	15916	2555	3897	20574	5191	35089	-	10468	-
	Total	1785666 (5%)	291536 (8%)	25373 (63%)	7553 (34%)	258610 (2%)	46433 (44%)	100147 (5%)	969671 (4%)	10500	318116 (3%)	49263
Any age	Sm.	138765	39993	29478	4154	6361	25997	6227	49742	-	16806	-
	Total	2273739 (6%)	486600 (8%)	47092 (63%)	12649 (33%)	426859 (1%)	57145 (45%)	109735 (6%)	1101106 (5%)	27018	404005 (4%)	88130
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	38644	5730	146	75	5509	236	916	2528	367	17976	10891
35-69	Sm.	45702	20067	15613	1834	2620	5049	1092	12558	-	6936	-
	Total	397218 (12%)	180931 (11%)	23755 (66%)	5223 (35%)	151953 (2%)	9116 (55%)	8852 (12%)	101286 (12%)	14430	59223 (12%)	23380
70+	Sm.	102662	26133	18816	2877	4440	22182	5830	35499	-	13018	-
	Total	1801928 (6%)	306302 (9%)	29197 (64%)	7932 (36%)	269173 (2%)	45394 (49%)	113139 (5%)	923718 (4%)	9479	357171 (4%)	46725
Any age	Sm.	148364	46200	34429	4711	7060	27231	6922	48057	-	19954	-
	Total	2237790 (7%)	492963 (9%)	53098 (65%)	13230 (36%)	426635 (2%)	54746 (50%)	122907 (6%)	1027532 (5%)	24276	434370 (5%)	80996

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	229622	104030	96936	16562	15741	14975	12917	12829	12122	11790	10852	6745	11058
2000	231901	99507	101296	17480	16543	15658	14798	12770	12485	11562	10895	9481	10723
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	2273739	49454	438619	15589	23666	34014	43947	65154	98280	157969	248192	270295	1267179
2000	2237790	38644	397218	13783	21921	33475	46832	58645	88343	134219	217336	339920	1244672
Lung cancer													
1995	47092	183	21536	407	981	1800	2412	3315	5205	7416	8693	6380	10300
2000	53098	146	23755	355	1129	2167	3270	4210	5460	7164	9081	9199	10917
ANNUAL DEATH RATE / 100,000													
All causes													
1995	584.5*	48.5*	495.8*	94.1	150.3	227.1	340.2	507.9	810.8	1339.9	2287.0	4007.3	11459.4
2000	545.6*	39.8*	438.5*	78.9	132.5	213.8	316.5	459.2	707.6	1160.8	1994.8	3585.4	11607.5
All cancer													
1995	149.2*	6.1*	211.9*	34.1	65.4	112.0	172.6	245.9	353.2	499.9	684.9	910.7	1408.8
2000	142.4*	5.3*	198.7*	29.1	59.5	103.4	163.5	237.0	332.8	465.3	646.9	882.1	1419.3
Lung cancer													
1995	15.2*	0.2*	24.4*	2.5	6.2	12.0	18.7	25.8	42.9	62.9	80.1	94.6	93.1
2000	16.3*	0.1*	26.2*	2.0	6.8	13.8	22.1	33.0	43.7	62.0	83.3	97.0	101.8
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	3.9*	0.1*	5.6*	0.6	1.6	3.1	5.6	6.6	9.4	12.7	16.6	23.4	37.8
2000	3.9*	0.1*	5.7*	0.4	1.7	3.5	5.4	7.7	9.4	11.8	15.9	20.9	39.4
Other cancer													
1995	130.2*	5.8*	181.8*	31.0	57.6	96.9	148.4	213.5	300.8	424.3	588.2	792.7	1277.9
2000	122.2*	5.1*	166.8*	26.6	50.9	86.1	136.0	196.3	279.7	391.6	547.7	764.1	1278.1
Chronic obstructive pulmonary disease (COPD)													
1995	14.4*	0.3*	12.1*	0.8	1.5	2.8	5.4	10.8	21.3	41.8	76.0	126.3	268.3
2000	13.1*	0.2*	10.4*	0.7	1.2	2.6	5.4	10.0	17.6	35.7	66.8	110.0	258.2
Other respiratory disease													
1995	24.1*	1.3*	9.5*	1.8	2.7	3.6	5.3	8.0	15.1	29.6	65.1	163.7	741.9
2000	26.1*	1.0*	9.9*	1.9	2.6	4.1	5.8	9.1	15.4	30.3	65.0	153.8	853.1
Vascular disease													
1995	254.4*	2.9*	148.3*	12.7	24.0	41.6	69.4	126.0	253.0	511.4	1030.1	2033.1	6518.0
2000	225.2*	2.4*	115.3*	10.5	20.5	36.2	58.9	96.6	192.0	392.5	816.9	1690.4	6289.8
Liver cirrhosis													
1995	9.7*	0.4*	17.6*	4.7	9.0	12.5	18.2	22.2	26.0	30.5	34.7	37.8	37.9
2000	8.4*	0.3*	15.3*	3.9	7.4	12.2	15.9	19.5	23.0	25.2	28.9	32.3	30.4
Other medical causes													
1995	105.0*	25.2*	69.4*	20.5	25.3	31.6	43.4	66.8	111.2	186.6	337.4	637.5	2156.8
2000	105.9*	20.1*	65.1*	16.6	22.5	32.5	43.9	62.8	99.9	177.5	320.3	630.6	2447.9
All non-medical causes													
1995	27.6*	12.3*	27.1*	19.5	22.4	22.9	26.0	28.1	31.0	40.0	58.8	98.4	327.8
2000	24.5*	10.5*	23.8*	16.3	18.9	22.8	23.0	24.3	26.9	34.3	49.9	86.2	308.8

(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)

ENLARGED EU (25 countries* - EU25): 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 85	– / 39	–
35–69	244 / 779	46 / 397	22 years
70+	263 / 1350	103 / 1802	8 years
All ages	508 / 2214	148 / 2238	14 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

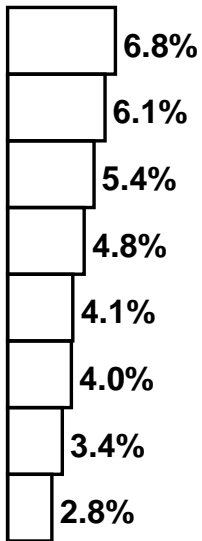
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.2	80/87	75/83	156/171	–/0.1	16/24	19/29	34/53
All Cancer	–/6.6	125/276 (45%)	114/343 (33%)	239/626	–/5.7	20/181 (11%)	26/306 (9%)	46/493
Vascular	–/4.9	69/244	67/597	136/846	–/2.5	13/101	35/924	48/1028
Respiratory	–/1.9	19/37	59/155	78/194	–/1.2	6.1/18	28/159	34/178
All Other	–/72	32/222	22/256	54/549	–/29	6.9/97	13/413	20/540
All Causes	–/85	244/779 (31%)	263/1350 (19%)	508/2214	–/39	46/397 (12%)	103/1802 (6%)	148/2238

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	239 / 626 (38%)	46 / 493 (9%)	285 / 1119 (25%)
All Causes	508 / 2214 (23%)	148 / 2238 (7%)	656 / 4452 (15%)

1965-2000: ENLARGED EU (25 countries - EU25)

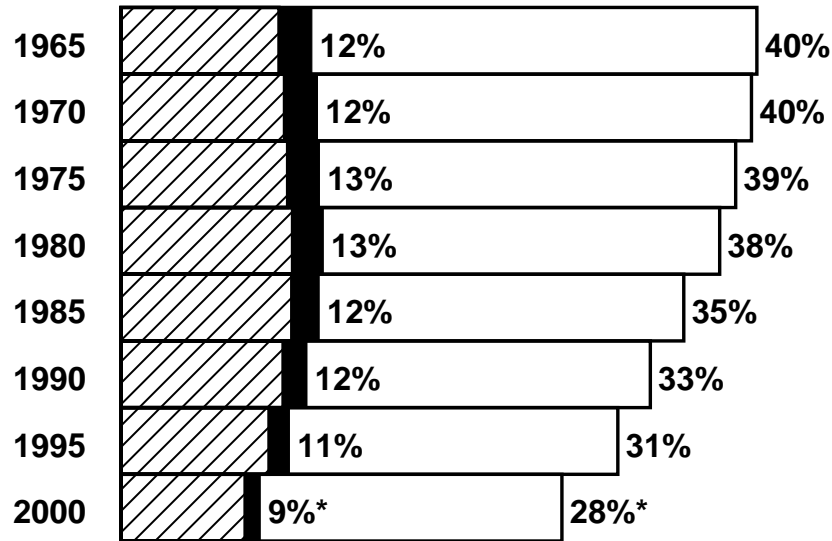
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

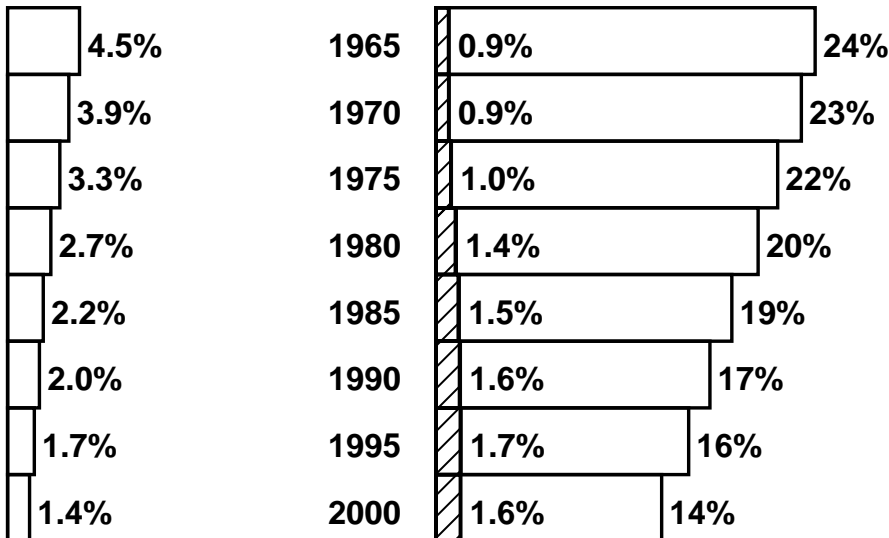
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 28 would die before age 70 (with 9 of these deaths attributed to smoking)

FEMALE



ENLARGED EU (25 countries* - EU25): 1960-2000
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Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	-/227	272/914 (30%)	119/987 (12%)	391/2129	-/147	19/593 (3%)	14/1248 (1%)	33/1988
1970	-/203	296/955 (31%)	172/1071 (16%)	469/2229	-/123	23/593 (4%)	22/1387 (2%)	45/2103
1975	-/177	299/934 (32%)	232/1202 (19%)	532/2313	-/101	27/559 (5%)	32/1527 (2%)	59/2187
1980	-/158	303/894 (34%)	259/1291 (20%)	562/2344	-/83	34/513 (7%)	42/1632 (3%)	76/2228
1985	-/133	301/846 (36%)	281/1353 (21%)	582/2331	-/67	38/463 (8%)	60/1741 (3%)	98/2271
1990	-/129	312/888 (35%)	254/1283 (20%)	565/2301	-/59	44/473 (9%)	73/1729 (4%)	116/2262
1995	-/111	291/863 (34%)	267/1323 (20%)	558/2296	-/49	45/439 (10%)	94/1786 (5%)	139/2274
2000	-/85	244/779 (31%)	263/1350 (19%)	508/2214	-/39	46/397 (12%)	103/1802 (6%)	148/2238

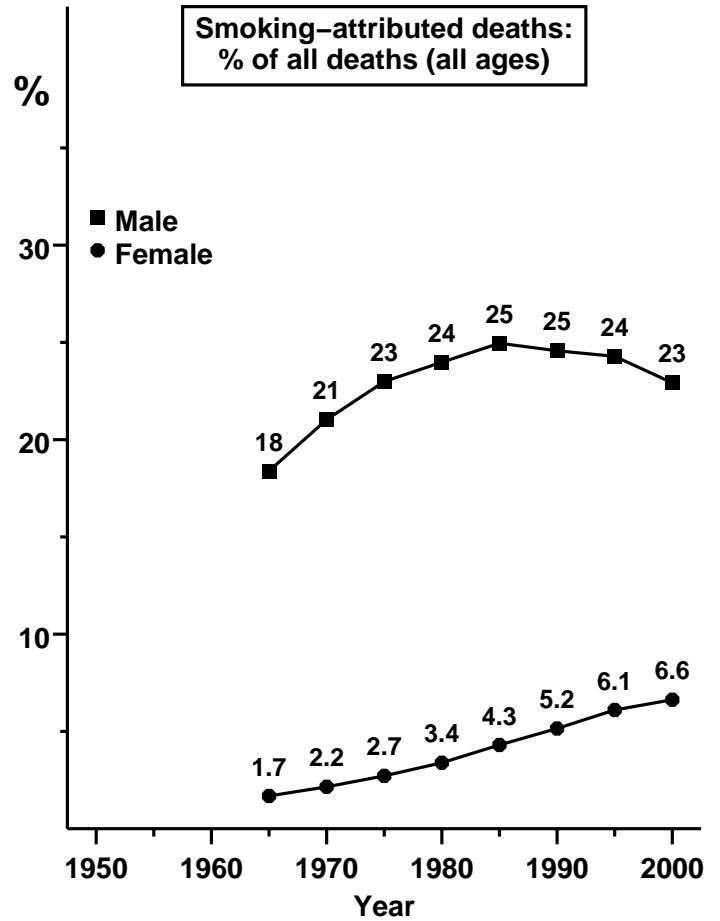
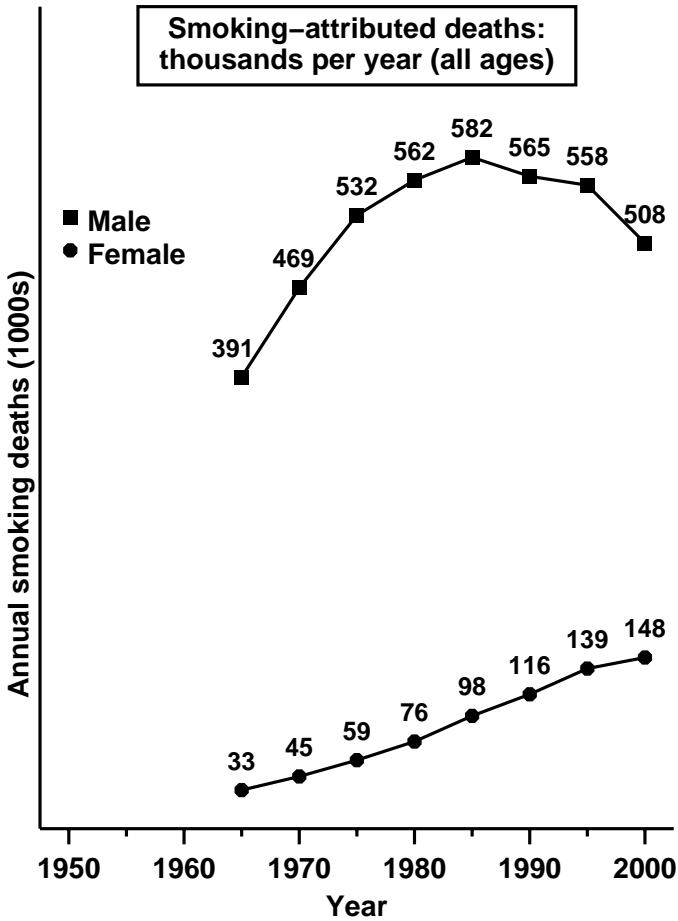
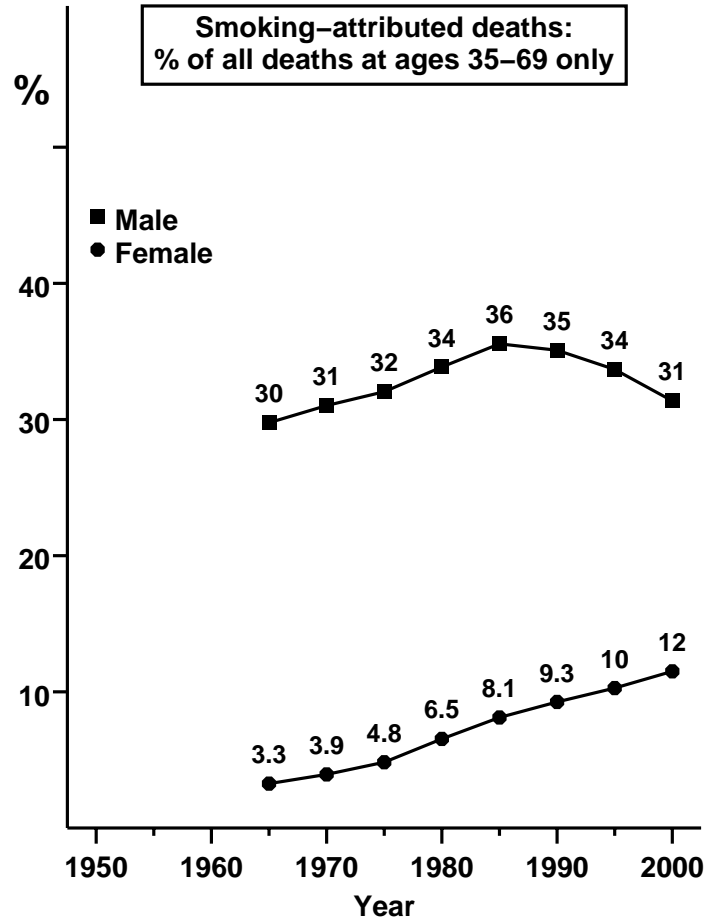
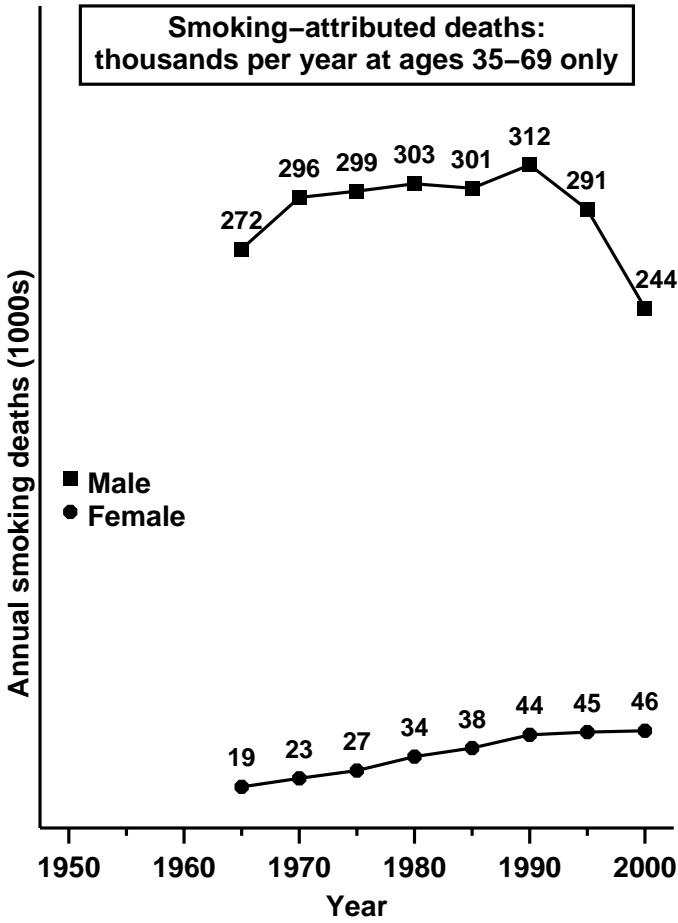
40-year total* (M=millions), mid-1960 to mid-2000: 24/ 178M

1960-2000 by age & sex:

-/6.5M	12/36M	9.0/49M	21/91M	-/3.6M	1.3/21M	2.0/63M	3.3/87M
	(33%)	(18%)			(6%)	(3%)	

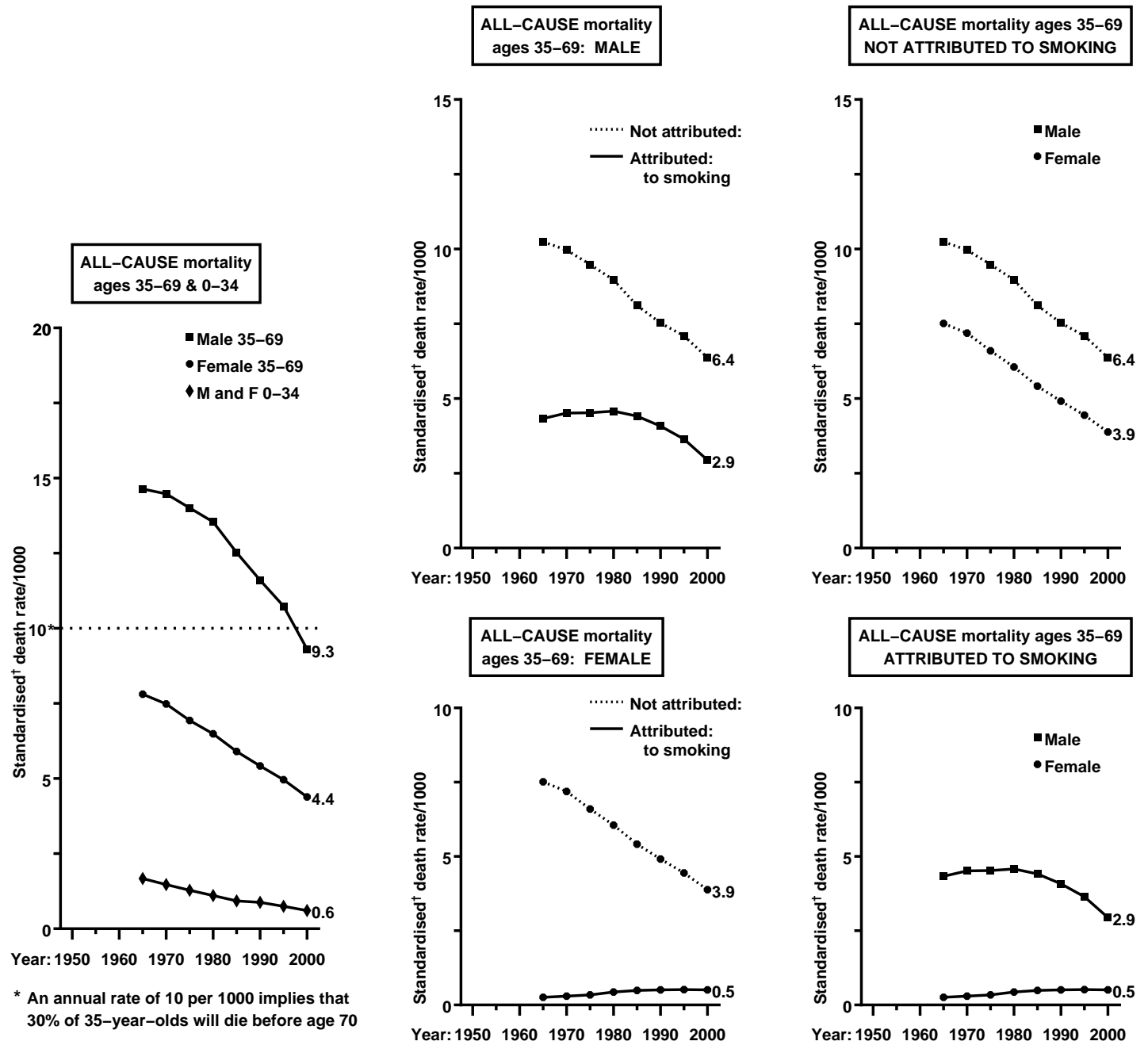
*Estimated as 10 times the sum of the annual numbers for 1965, 1975, 1985 & 1995

1965-2000: ENLARGED EU (25 countries - EU25)



ENLARGED EU (25 countries* - EU25): 1965-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

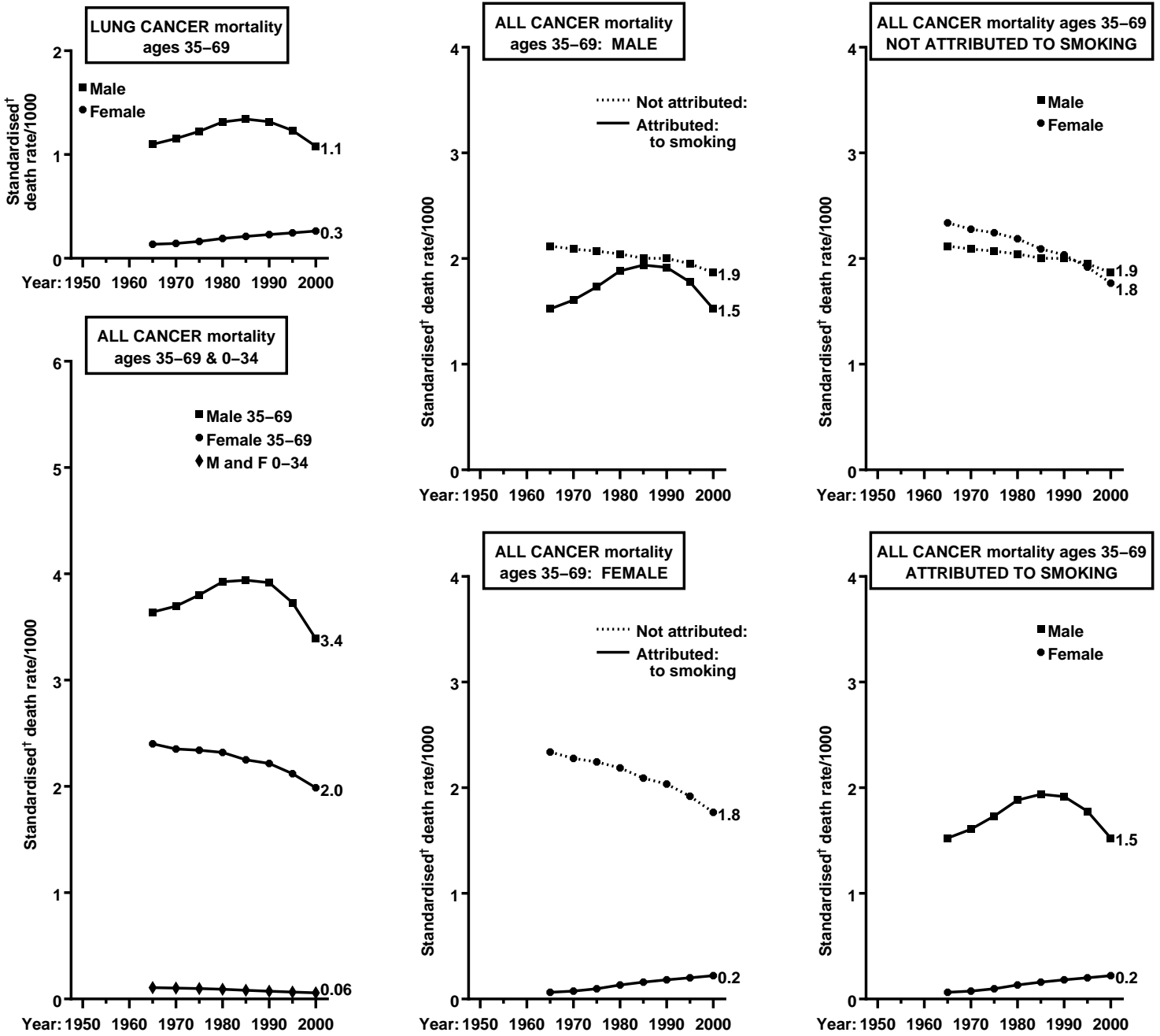
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955		
1960		
1965	-	2.01	4.33	10.2	10.9	67.0	-	1.33	0.26	7.51	0.75	52.9	-	1.12	0.29	7.19	0.96	50.4
1970	-	1.81	4.51	9.96	14.3	64.0	-	0.96	0.34	6.59	1.21	47.3	-	0.79	0.43	6.05	1.34	41.3
1975	-	1.60	4.52	9.48	16.0	56.3	-	0.65	0.49	5.41	1.75	37.9	-	0.58	0.51	4.91	2.01	32.7
1980	-	1.41	4.41	8.11	16.0	53.1	-	0.49	0.52	4.44	2.29	29.2	-	0.40	0.51	3.88	2.18	25.7
1985	-	1.20	4.41	8.11	16.0	53.1	-	0.49	0.51	3.88	2.18	25.7	-	0.40	0.51	3.88	2.18	25.7
1990	-	1.17	4.08	7.52	13.8	46.6	-	0.49	0.51	3.88	2.18	25.7	-	0.40	0.51	3.88	2.18	25.7
1995	-	1.00	3.64	7.09	13.0	42.3	-	0.40	0.51	3.88	2.18	25.7	-	0.40	0.51	3.88	2.18	25.7
2000	-	0.81	2.94	6.37	11.3	38.3	-	0.40	0.51	3.88	2.18	25.7	-	0.40	0.51	3.88	2.18	25.7

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1965-2000: ENLARGED EU (25 countries - EU25)

Trends in ALL CANCER mortality attributed and not attributed to smoking



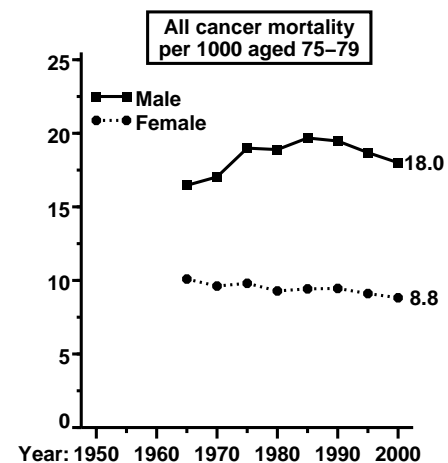
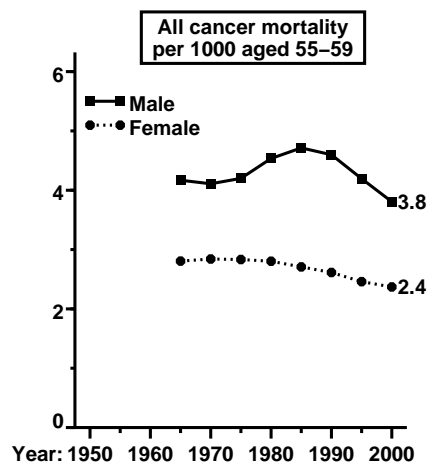
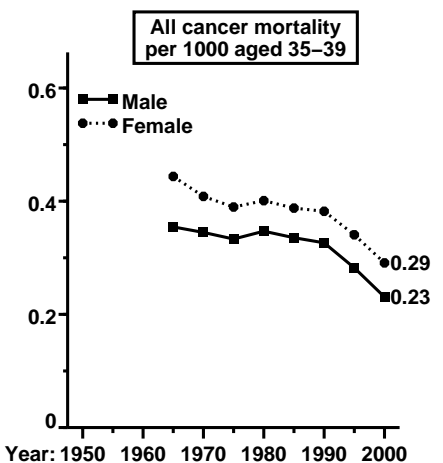
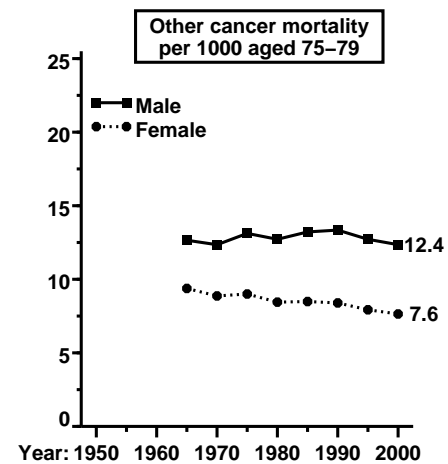
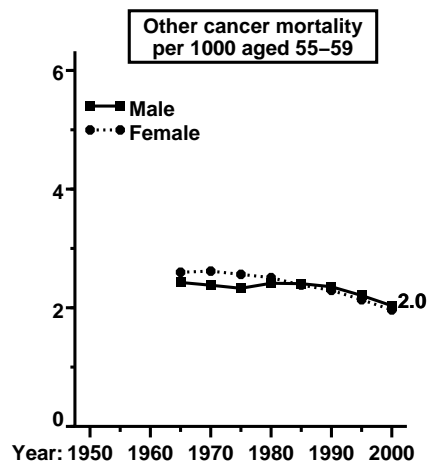
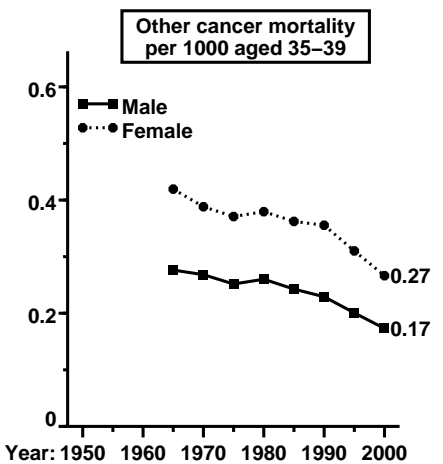
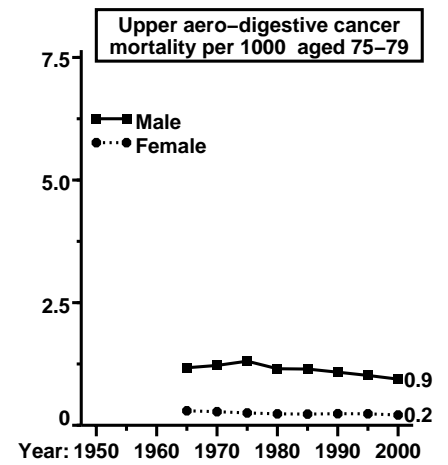
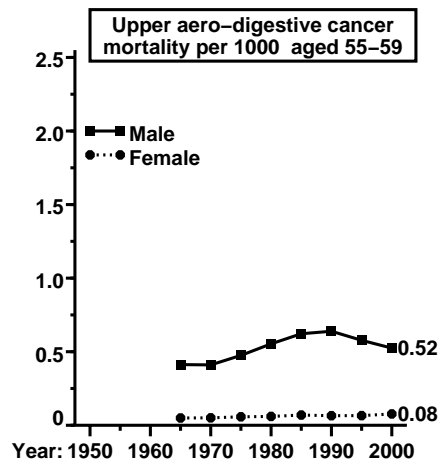
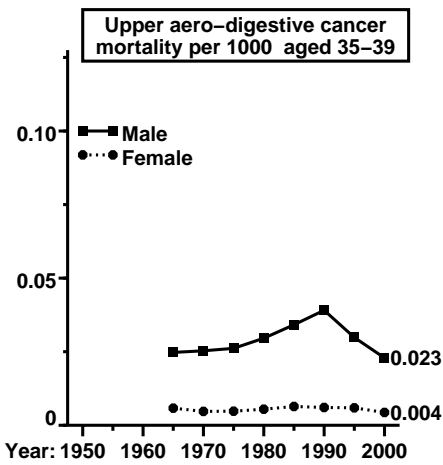
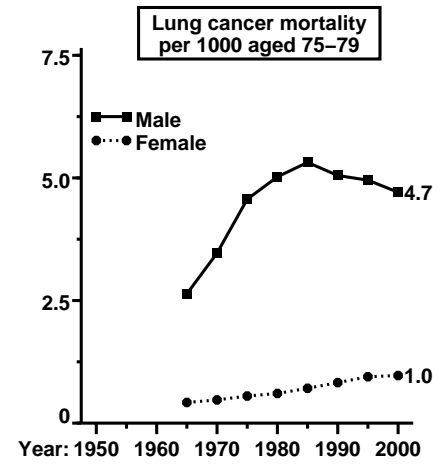
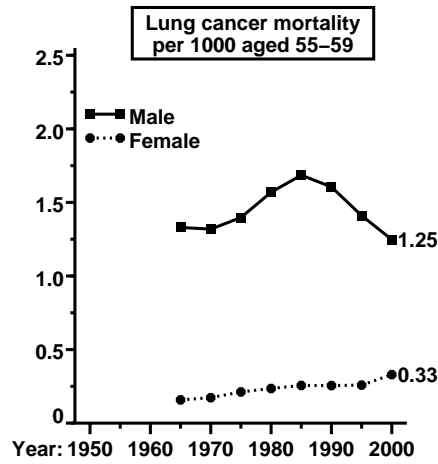
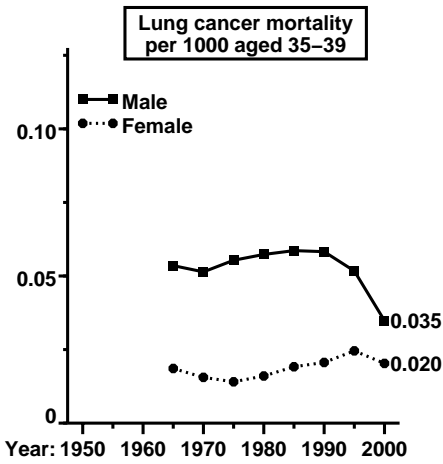
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955		
1960		
1965	-	0.11	1.52	2.12	3.73	11.0	-	0.10	0.06	2.34	0.15	8.69	-	8.69		
1970	-	0.11	1.61	2.09	4.84	10.6	-	0.09	0.07	2.28	0.20	8.21	-	8.21		
1975	-	0.11	1.73	2.07	6.05	10.8	-	0.09	0.10	2.24	0.27	8.18	-	8.18		
1980	-	0.10	1.88	2.04	6.39	10.3	-	0.08	0.13	2.19	0.34	7.76	-	7.76		
1985	-	0.09	1.94	2.00	6.63	10.5	-	0.07	0.16	2.09	0.48	7.77	-	7.77		
1990	-	0.08	1.92	2.00	6.28	10.5	-	0.07	0.18	2.03	0.62	7.46	-	7.46		
1995	-	0.07	1.78	1.95	6.19	10.2	-	0.06	0.20	1.92	0.74	7.23	-	7.23		
2000	-	0.06	1.52	1.87	5.74	9.92	-	0.05	0.22	1.77	0.77	6.87	-	6.87		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

ENLARGED EU (25 countries* - EU25): 1965-2000

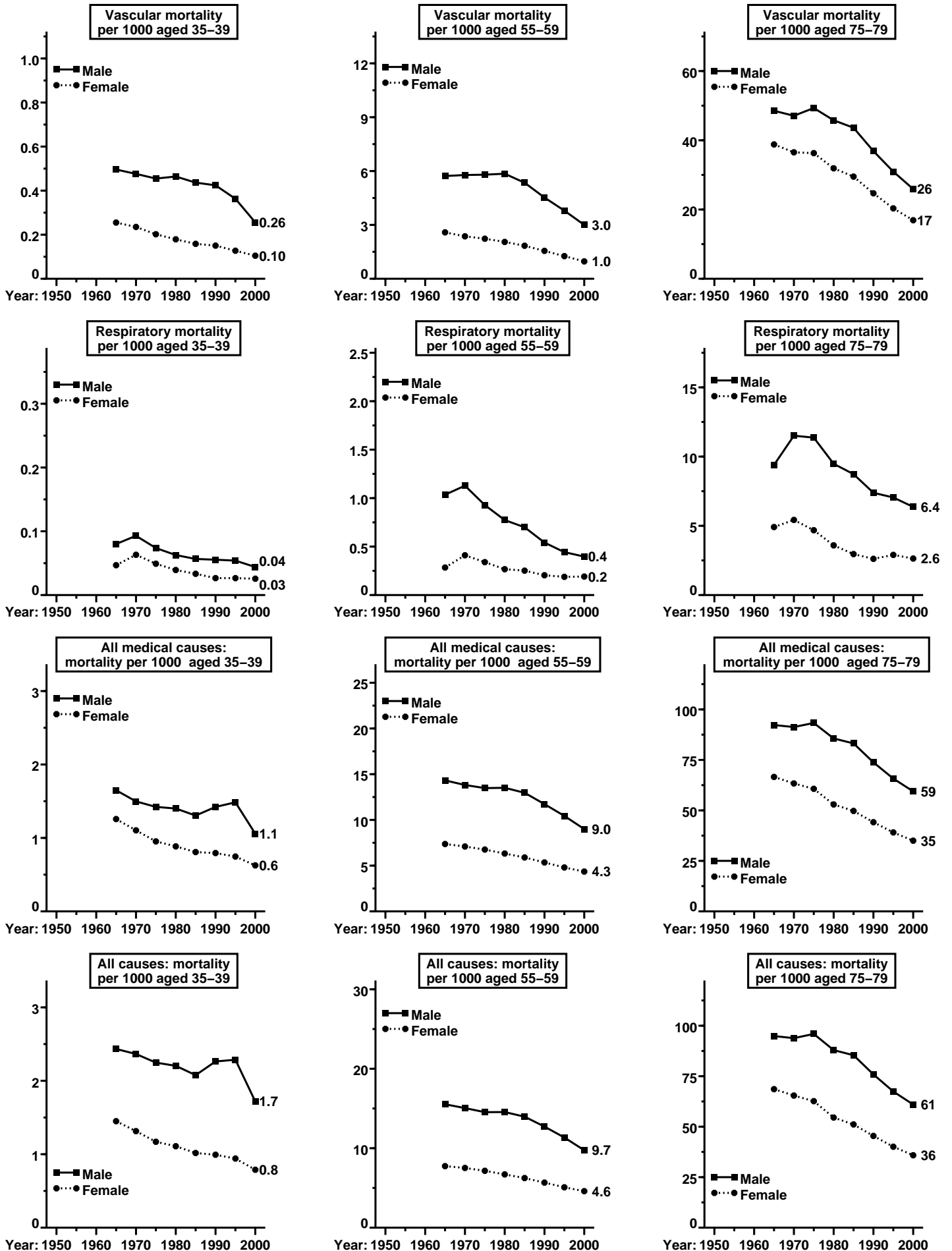
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: 1965, 1970, 1975, 1980, 1985, 1990, 1995 and 2000

1965-2000: ENLARGED EU (25 countries - EU25)

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: 1965, 1970, 1975, 1980, 1985, 1990, 1995 and 2000

AUSTRALIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	67058	4152	19691	704.5	85.3	636.0	134.7	14.6	18.3	72.8	102.7	123.2	130.8
	F	61726	2015	11474	458.1	43.5	365.7	111.0	11.7	12.5	32.8	38.7	44.6	53.0
Tuberculosis	M	33	-	8	0.3	-	0.3	-	-	-	-	-	-	-
	F	21	-	5	0.2	-	0.1	-	-	-	-	-	-	-
HIV	M	124	26	96	1.3	0.5	2.1	-	-	-	0.1	0.3	1.3	1.8
	F	10	3	6	0.1	0.1	0.1	-	-	-	-	-	-	0.4
Other infective and parasitic	M	714	42	195	7.5	0.9	5.9	2.8	0.3	0.4	0.7	0.6	0.3	1.1
	F	756	43	117	5.5	0.9	3.7	3.2	0.5	0.5	0.5	0.3	0.8	0.8
ALL CANCER	M	20279	252	7693	216.7	5.1	261.0	2.6	3.6	2.1	4.2	5.4	5.5	12.6
	F	15546	240	5821	134.9	5.0	184.4	2.1	2.5	3.4	2.9	5.2	5.5	13.6
Mouth and pharynx cancer	M	467	3	267	5.1	0.1	8.6	-	-	-	0.1	-	-	0.3
	F	203	5	85	1.8	0.1	2.6	-	-	-	0.2	0.2	0.1	0.3
Oesophagus cancer	M	683	2	316	7.4	0.0	10.6	-	-	-	-	-	0.3	-
	F	288	2	67	2.2	0.0	2.3	-	-	-	-	-	0.1	0.1
Stomach cancer	M	763	4	291	8.1	0.1	9.8	-	-	-	-	0.3	0.3	-
	F	426	3	128	3.4	0.1	4.0	-	-	-	-	0.3	-	0.1
Colorectal cancer	M	2569	13	1108	27.8	0.3	37.8	-	-	-	-	0.1	0.3	1.4
	F	2149	13	694	18.0	0.3	22.9	-	-	-	-	0.5	0.1	1.3
Liver cancer	M	388	9	179	4.2	0.2	6.0	-	-	0.3	0.1	0.1	0.1	0.6
	F	110	2	40	0.9	0.0	1.4	-	-	-	-	0.2	-	0.1
Pancreas cancer	M	872	2	391	9.4	0.0	13.3	-	-	-	-	-	-	0.3
	F	876	3	226	7.1	0.1	7.7	-	-	-	-	-	-	0.4
Larynx cancer	M	203	-	104	2.2	-	3.5	-	-	-	-	-	-	-
	F	36	-	18	0.3	-	0.6	-	-	-	-	-	-	-
Lung cancer	M	4594	5	1866	49.5	0.1	65.8	-	-	-	-	-	0.3	0.4
	F	2317	1	943	21.0	0.0	31.4	-	-	-	-	-	-	0.1
Malignant melanoma	M	617	15	281	6.6	0.3	8.6	-	-	-	0.3	0.3	0.4	1.1
	F	354	17	164	3.2	0.3	4.6	-	-	-	-	0.6	0.5	1.3
Female breast cancer	M	2521	33	1327	23.5	0.7	38.6	-	-	-	-	0.2	0.7	3.8
Cervix cancer	F	265	14	140	2.5	0.3	4.0	-	-	-	-	0.2	0.5	1.3
Other uterine cancer	F	261	1	97	2.3	0.0	3.4	-	-	-	-	0.2	-	-
Ovarian cancer	F	787	8	349	7.2	0.2	11.1	-	0.2	0.2	-	0.2	-	0.7
Prostate cancer	M	2665	-	408	27.5	-	15.5	-	-	-	-	-	-	-
Bladder cancer	M	570	-	111	5.9	-	4.0	-	-	-	-	-	-	-
	F	249	-	33	1.8	-	1.1	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	3803	117	1580	40.7	2.4	51.4	1.5	2.3	0.7	2.2	2.2	2.3	5.5
	F	3035	86	980	25.5	1.8	31.5	1.5	2.0	2.3	1.1	2.0	1.5	2.5
Hodgkin's disease	M	37	3	15	0.4	0.1	0.4	-	-	-	-	-	-	0.4
	F	31	3	8	0.3	0.1	0.3	-	-	-	0.2	-	0.1	0.1
Myeloma and non- Hodgkin lymphomas	M	1254	24	491	13.4	0.5	16.2	-	0.1	-	0.4	0.6	0.5	1.7
	F	1069	7	353	9.0	0.1	11.5	-	-	0.2	0.2	0.2	0.3	0.3
Leukaemia	M	794	55	285	8.4	1.1	9.5	1.1	1.2	1.0	1.0	1.7	1.1	0.9
	F	569	42	169	4.8	0.9	5.4	0.6	0.3	0.8	1.4	0.8	1.4	1.0
Diabetes	M	1591	10	497	16.8	0.2	16.9	-	-	-	0.1	0.3	0.1	0.9
	F	1418	14	301	10.9	0.3	10.5	-	-	0.2	0.2	0.6	0.3	0.8
ALL VASCULAR DISEASE	M	23778	175	5548	248.0	3.5	186.1	1.5	0.7	0.9	2.6	1.7	6.4	10.8
	F	26055	105	2256	172.1	2.2	76.3	1.9	0.8	0.3	0.8	1.4	3.8	6.2
Rheumatic heart disease and fever	M	98	5	28	1.0	0.1	0.9	-	-	-	0.3	-	0.4	-
	F	161	8	43	1.3	0.2	1.4	-	-	-	-	0.2	0.5	0.4
Hypertensive disease	M	457	3	82	4.7	0.1	2.8	-	-	-	-	-	0.1	0.3
	F	750	3	63	5.0	0.1	2.2	-	0.2	-	-	0.2	-	0.1
Ischaemic heart disease	M	14069	57	3805	147.6	1.1	127.4	0.2	-	-	0.3	0.9	1.5	5.2
	F	12537	12	1140	83.8	0.2	39.4	-	-	-	0.2	-	0.3	1.3
Pulmonary embolism and other venous	M	219	6	59	2.3	0.1	1.9	-	-	-	-	-	0.4	0.4
	F	329	6	66	2.4	0.1	2.1	-	-	-	0.2	0.2	0.1	0.4
Cerebrovascular disease	M	4909	25	761	50.6	0.5	26.3	-	0.1	0.1	0.1	0.3	1.2	1.6
	F	7437	22	545	48.0	0.4	17.9	0.2	-	-	-	0.5	1.0	1.6
Other vascular disease	M	4026	79	813	41.7	1.6	26.7	1.4	0.6	0.7	1.9	0.6	2.8	3.3
	F	4841	54	399	31.6	1.1	13.3	1.8	0.6	0.3	0.5	0.5	1.9	2.4
Chronic obstructive pulmonary disease	M	3538	32	713	36.8	0.7	26.3	0.2	0.7	0.3	0.3	0.6	0.8	1.7
	F	2463	24	549	19.2	0.5	19.2	-	0.5	0.3	-	0.3	1.1	1.3
Other respiratory disease	M	2449	33	377	25.3	0.7	13.0	2.0	-	-	0.3	0.3	0.4	1.8
	F	2538	28	193	16.5	0.6	6.5	1.9	0.2	0.2	0.5	0.3	0.3	1.0
Peptic ulcer	M	234	2	60	2.5	0.0	2.0	-	-	-	-	-	-	0.3
	F	237	1	30	1.6	0.0	1.0	-	-	-	-	-	-	0.1
Liver cirrhosis	M	651	7	475	7.2	0.1	14.0	-	-	-	-	-	0.4	0.6
	F	261	7	154	2.6	0.1	4.3	-	-	-	-	-	0.5	0.4
Renal disease	M	901	6	99	9.2	0.1	3.5	-	0.1	-	-	-	0.3	0.4
	F	1072	7	107	7.2	0.1	3.7	-	-	-	0.2	0.2	0.3	0.4
Pregnancy, birth Congenital and perinatal causes	F	13	7	6	0.1	0.1	0.1	-	-	-	0.2	0.2	0.4	0.3
	M	687	601	61	8.2	13.2	1.6	85.1	0.4	0.7	2.2	1.3	1.3	1.0
	F	582	497	59	7.2	11.4	1.6	73.4	1.7	1.2	1.2	0.8	1.1	0.7
Ill-defined causes	M	337	139	112	3.7	3.0	2.9	15.0	0.1	0.1	1.0	1.3	1.5	1.8
	F	304	81	34	2.5	1.8	1.0	9.9	0.2	0.3	0.5	0.9	0.7	0.4
Other medical causes	M	6156	511	1472	63.8	10.4	44.9	9.4	2.2	3.4	9.6	15.1	17.9	15.3
	F	7863	245	1039	54.8	5.2	32.8	7.8	2.3	2.2	3.9	6.7	6.0	7.6
ALL NON- MEDICAL CAUSES	M	5586	2316	2285	57.2	46.8	55.3	16.2	6.3	10.4	51.6	75.8	86.9	80.6
	F	2587	713	797	22.7	15.0	20.3	10.7	3.2	4.0	22.2	22.0	23.9	18.8
Motor vehicle traffic accidents	M	1269	693	447	12.9	14.1	11.0	2.5	2.3	4.7	25.6	27.0	20.4	16.0
	F	514	238	180	5.1	5.0	4.6	2.8	1.2	2.2	10.1	8.2	7.0	3.8
Fire	M	61	15	23	0.6	0.3	0.6	0.6	0.4	-	0.1	0.6	0.1	0.3
	F	37	10	12	0.4	0.2	0.3	1.0	0.2	0.2	-	-	0.1	0.1
Suicide	M	1883	743	958	19.2	14.9	22.8	-	-	1.2	13.1	26.0	30.5	33.7
	F	505	185	266	5.1	3.8	6.4	-	-	0.2	6.5	5.3	7.9	6.8
Homicide	M	189	86	95	2.0	1.7	2.3	1.4	0.6	0.4	2.2	1.9	3.0	2.8
	F	114	67	41	1.2	1.4	0.9	0.6	0.6	0.3	1.7	2.4	1.8	2.4
POPULATION: (1000s; UN, 2002 revision)			M=male		9539.7	4850.7	3981.3	648.8	686.8	681.2	695.3	688.3	744.6	705.7
			F=female		9613.5	4672.1	3968.0	616.0	649.9	646.1	661.5	658.1	732.8	707.7

2000: AUSTRALIA

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
147.9	187.2	247.7	383.6	629.1	1053.5	1802.8	3085.5	5173.1	11757.3	M	ALL CAUSES	001-999/A00-Y89
75.2	105.7	157.0	241.2	394.0	593.9	992.8	1707.6	2914.7	9627.1	F		
-	-	-	0.3	0.2	0.3	1.2	2.4	3.7	5.2	M	Tuberculosis	010-018, 137/
0.1	-	-	0.3	0.4	-	-	1.5	0.7	2.5	F		A15-A19, B90
3.9	3.7	2.8	0.9	2.1	0.8	0.6	0.7	-	-	M	HIV	279.5, 279.6/B20-B24
0.4	0.1	0.1	-	-	0.3	-	-	0.3	-	F		
1.5	4.2	2.7	4.0	4.7	12.2	12.1	23.3	56.5	146.8	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.3	1.2	2.1	2.8	3.2	5.6	11.0	15.7	41.6	119.5	F		
18.3	37.5	71.1	151.2	284.1	471.1	794.1	1223.5	1704.8	2577.0	M	ALL CANCER	140-208/C00-C97
26.0	47.7	83.5	139.9	226.5	313.1	453.9	656.9	865.8	1358.0	F		
0.5	1.1	4.3	7.1	11.5	13.8	21.5	26.4	24.8	33.5	M	Mouth and pharynx cancer	140-149/C00-C14
0.4	1.0	1.3	2.6	3.0	3.3	6.7	8.7	7.3	17.7	F		
0.5	1.8	3.0	7.4	11.1	20.4	29.7	36.5	58.3	67.0	M	Oesophagus cancer	150/C15
0.3	0.3	0.4	1.1	3.2	4.1	6.4	10.6	17.1	38.0	F		
0.4	2.2	3.0	6.8	9.6	14.8	31.5	49.0	61.5	97.4	M	Stomach cancer	151/C16
0.7	1.5	1.3	3.9	3.6	6.4	10.7	13.3	30.8	45.8	F		
2.9	4.6	9.1	20.3	40.4	78.0	109.3	152.5	197.0	292.6	M	Colorectal cancer	153, 154/C18-C21
1.7	2.8	9.1	12.7	30.0	44.9	59.4	87.1	127.2	221.9	F		
0.1	1.1	2.7	3.6	5.5	9.2	20.0	25.4	29.4	31.4	M	Liver cancer	155.0/C22 excl C221
0.1	0.6	0.1	0.5	1.1	2.6	4.6	2.4	7.0	11.2	F		
1.1	1.4	3.3	9.0	15.2	19.6	43.3	48.0	71.2	93.8	M	Pancreas cancer	157/C25
0.1	0.8	1.8	4.5	8.7	13.9	24.3	45.5	66.4	86.1	F		
-	0.4	1.2	2.5	3.7	7.4	9.1	13.5	13.8	14.9	M	Larynx cancer	161/C32
-	0.3	-	0.3	0.4	1.3	2.0	1.8	1.0	2.5	F		
1.6	5.1	10.7	29.0	71.8	129.7	212.9	317.1	419.7	448.7	M	Lung cancer	162/C33, C34
1.6	3.6	10.2	21.1	38.3	57.0	87.8	131.7	141.2	149.6	F		
2.1	3.3	4.2	6.8	9.6	15.8	18.5	37.2	43.6	59.8	M	Malignant melanoma	172/C43
2.8	2.5	3.6	3.4	5.5	7.4	7.2	13.3	15.0	24.2	F		
8.0	17.4	27.9	41.4	52.0	60.8	62.3	88.6	97.9	165.1	F	Female breast cancer	174/C50
1.6	2.3	4.0	2.9	4.0	5.9	7.0	11.2	8.4	14.1	F	Cervix cancer	180/C53
0.1	0.4	0.4	1.3	4.0	6.2	11.3	9.9	16.8	23.1	F	Other uterine cancer	179, 182/C54, C55
1.3	2.3	4.3	8.8	14.4	21.6	25.2	35.0	45.1	52.0	F	Ovarian cancer	183/C56, C570-C574
-	-	0.9	4.0	11.7	24.7	67.5	158.6	273.2	614.6	M	Prostate cancer	185/C61
-	0.3	0.7	1.6	3.5	6.9	15.1	40.2	51.9	117.0	M	Bladder cancer	188/C67
0.3	-	0.6	0.2	1.5	1.0	4.3	9.0	13.3	41.6	F		
4.8	11.4	19.0	38.0	58.7	88.7	139.6	206.6	287.4	447.7	M	Other and ill-defined cancer sites	Rest of 140-199/rest of C00-C80, C97
5.0	7.3	12.6	22.1	38.5	48.8	86.0	122.7	169.5	302.9	F		
0.7	0.3	-	0.6	0.2	0.3	0.6	2.0	2.3	4.1	M	Hodgkin's disease	201/C81
-	0.1	0.1	0.2	0.2	0.3	0.9	1.8	1.0	3.1	F		
1.9	3.5	5.2	9.8	19.1	27.5	46.6	66.6	107.0	159.2	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/C82-C90, C96
0.7	2.2	3.6	9.9	13.3	19.0	31.9	44.6	69.2	102.1	F		
1.6	1.1	3.7	4.6	12.3	14.3	28.8	43.9	63.8	95.3	M	Leukaemia	204-208/C91-C95
1.2	2.2	1.9	3.1	4.9	8.7	15.9	19.6	31.5	57.1	F		
1.5	1.4	5.1	12.2	14.6	29.8	53.6	93.3	128.1	272.5	M	Diabetes	250/E10-E14
0.8	0.7	3.3	5.4	7.6	16.9	38.5	57.6	84.6	188.4	F		
21.4	38.6	64.3	102.7	178.2	318.4	579.0	1092.0	2012.4	5379.7	M	ALL VASCULAR DISEASE	390-459/I00-I99
9.4	14.5	23.9	36.0	69.6	125.3	255.2	581.9	1187.7	5164.8	F		
-	-	0.3	0.8	1.4	1.0	3.0	3.7	8.3	18.5	M	Rheumatic heart disease and fever	390-398/I00-I09
-	0.7	0.9	1.0	0.8	1.3	4.9	6.6	8.4	18.0	F		
0.3	0.3	1.5	1.3	2.9	4.1	9.1	25.7	31.7	117.0	M	Hypertensive disease	401-405/I10-I15
0.3	0.1	0.7	1.0	1.9	2.8	8.4	18.4	32.5	149.0	F		
13.1	24.8	44.0	74.1	124.2	224.6	387.3	692.4	1179.1	2880.5	M	Ischaemic heart disease	410-414/I20-I25
2.9	5.0	10.2	17.4	37.2	63.4	139.9	331.3	609.9	2401.9	F		
0.4	1.0	1.0	0.8	1.8	2.0	6.1	6.4	24.8	41.7	M	Pulmonary embolism and other venous	415.1, 451-453/I26, I80-I82
0.4	0.7	1.0	1.1	3.0	4.1	4.1	6.6	19.9	50.1	F		
3.2	4.7	7.6	11.2	21.8	43.1	92.7	207.6	433.0	1322.0	M	Cerebrovascular disease	430-438/I60-I69
2.8	5.1	6.8	9.7	15.7	30.5	54.5	139.0	316.0	1548.1	F		
4.4	7.9	9.9	14.6	26.1	43.6	80.9	156.2	335.6	1000.0	M	Other vascular disease	Rest of 390-459/rest of I00-I99
2.9	2.9	4.2	5.8	11.0	23.1	43.5	79.9	201.0	997.8	F		
1.2	1.9	2.8	7.1	20.5	45.9	104.8	204.5	345.7	739.3	M	Chronic obstructive pulmonary disease	490-496/J40-J47, J67
1.9	1.9	3.6	6.8	19.9	31.1	69.5	109.1	153.8	306.0	F		
1.3	3.2	3.4	5.1	12.3	20.6	44.8	84.2	203.4	694.0	M	Other respiratory disease	Rest of 460-519/rest of J00-J98
0.4	1.2	2.5	2.8	6.6	10.3	22.0	45.2	94.4	533.5	F		
0.1	0.6	1.2	0.6	2.5	2.5	6.4	13.5	16.1	50.0	M	Peptic ulcer	531-533/K25-K27
-	0.4	0.6	0.5	0.6	1.3	3.5	5.4	9.1	45.6	F		
1.7	6.2	11.0	12.0	19.5	23.7	23.9	27.0	20.7	22.7	M	Liver cirrhosis	571/K70, K74
0.9	2.2	3.6	5.8	5.7	6.4	5.5	12.1	9.1	9.6	F		
0.5	0.8	1.3	0.9	1.8	4.6	14.2	21.6	92.7	273.1	M	Renal disease	580-590/N00-N19
0.3	0.6	1.0	2.1	3.0	5.9	12.7	19.9	61.2	201.6	F		
0.5	0.1	0.1	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
1.3	1.5	1.2	0.8	2.5	1.8	2.4	3.4	2.8	4.6	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
2.0	0.7	0.7	1.0	2.7	1.3	2.9	1.2	3.1	3.7	F		
3.1	1.5	2.4	2.8	3.9	4.1	2.7	4.7	6.0	30.4	M	Ill-defined causes	780-799/R00-R99
0.5	0.4	0.7	0.2	1.1	1.8	2.6	4.2	4.5	45.6	F		
18.9	19.5	21.8	32.6	39.6	69.6	112.7	217.7	478.9	1280.8	M	Other medical causes	Rest of 001-799/rest of A00-R99
10.3	9.9	14.1	22.6	29.0	53.9	89.5	159.2	347.1	1422.4	F		
73.1	66.5	56.4	50.2	42.7	48.2	50.3	73.7	101.5	281.3	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
21.4	23.9	17.1	15.1	18.2	20.8	25.8	37.7	51.7	226.1	F		
15.2	11.1	11.9	8.9	7.8	10.2	11.8	11.5	18.8	27.8	M	Motor vehicle traffic accidents	E810-E819/part of V01-V99
4.5	4.6	4.5	3.7	3.8	5.9	5.5	8.7	12.6	8.7	F		
0.4	0.4	0.4	1.1	0.2	0.8	0.9	3.0	4.1	2.6	M	Fire	E890-E899/X00-X09
0.1	0.1	0.4	0.3	0.2	0.3	0.9	1.5	0.7	2.2	F		
31.4	29.6	23.7	21.5	16.6	17.8	19.1	22.3	23.9	33.0	M	Suicide	E950-E959/X60-X84
9.1	8.8	5.2	5.4	5.3	5.6	5.5	6.3	5.2	5.1	F		
2.4	3.5	3.0	1.6	1.4	2.3	1.8	1.7	0.5	1.0	M	Homicide	E960-E969/X85-X99, Y00-Y09
1.9	1.1	1.2	0.6	0.4	0.5	0.9	0.3	1.0	0.6	F		
747.9	722.2	669.8	631.7	487.2	392.3	330.2	295.8	217.8	194.1	M	POPULATION	
747.4	723.7	673.3	616.0	472.8	389.6	345.2	331.7	286.1	355.6	F	(1000s; UN, 2002 revision)	

AUSTRALIA: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	4554	352	9	5	338	31	48	169	19	1692	2243
35-69	Sm.	5468	2785	1880	365	540	630	61	1393	-	599	-
	Total	21621 (25%)	7888 (35%)	2115 (89%)	686 (53%)	5087 (11%)	895 (70%)	314 (19%)	7054 (20%)	537	3010 (20%)	1923
70+	Sm.	7898	3351	2230	310	811	2008	111	1863	-	565	-
	Total	39979 (20%)	10620 (32%)	2503 (89%)	564 (55%)	7553 (11%)	2918 (69%)	1156 (10%)	18624 (10%)	149	5810 (10%)	702
Any age	Sm.	13366	6136	4110	675	1351	2638	172	3256	-	1164	-
	Total	66154 (20%)	18860 (33%)	4627 (89%)	1255 (54%)	12978 (10%)	3844 (69%)	1518 (11%)	25847 (13%)	705	10512 (11%)	4868
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	4152	252	5	5	242	32	33	175	7	1337	2316
35-69	Sm.	4225	2364	1606	323	435	461	62	909	-	429	-
	Total	19691 (21%)	7693 (31%)	1866 (86%)	687 (47%)	5140 (8%)	713 (65%)	377 (16%)	5548 (16%)	475	2600 (17%)	2285
70+	Sm.	8125	3696	2413	353	930	1908	185	1698	-	638	-
	Total	43215 (19%)	12334 (30%)	2723 (89%)	661 (53%)	8950 (10%)	2793 (68%)	2039 (9%)	18055 (9%)	169	6840 (9%)	985
Any age	Sm.	12350	6060	4019	676	1365	2369	247	2607	-	1067	-
	Total	67058 (18%)	20279 (30%)	4594 (87%)	1353 (50%)	14332 (10%)	3538 (67%)	2449 (10%)	23778 (11%)	651	10777 (10%)	5586

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)													
1995	8993.6	4791.3	3603.4	710.8	665.6	635.3	496.3	406.7	353.5	335.2	270.0	169.5	159.4
2000	9539.7	4850.7	3981.3	747.9	722.2	669.8	631.7	487.2	392.3	330.2	295.8	217.8	194.1
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	66154	4554	21621	1144	1276	1721	2188	3056	4685	7551	9895	9951	20133
2000	67058	4152	19691	1106	1352	1659	2423	3065	4133	5953	9127	11267	22821
Lung cancer													
1995	4627	9	2115	16	27	109	194	325	560	884	1004	695	804
2000	4594	5	1866	12	37	72	183	350	509	703	938	914	871
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	803.4*	93.7*	770.5*	160.9	191.7	270.9	440.9	751.4	1325.3	2252.7	3664.8	5870.8	12630.5
2000	704.5*	85.3*	636.0*	147.9	187.2	247.7	383.6	629.1	1053.5	1802.8	3085.5	5173.1	11757.3
All cancer													
1995	232.0*	7.2*	291.6*	21.0	43.7	82.2	163.8	296.5	547.1	886.9	1300.4	1699.1	2653.1
2000	216.7*	5.1*	261.0*	18.3	37.5	71.1	151.2	284.1	471.1	794.1	1223.5	1704.8	2577.0
Lung cancer													
1995	57.2*	0.2*	80.7*	2.3	4.1	17.2	39.1	79.9	158.4	263.7	371.9	410.0	504.4
2000	49.5*	0.1*	65.8*	1.6	5.1	10.7	29.0	71.8	129.7	212.9	317.1	419.7	448.7
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	15.6*	0.1*	25.0*	2.1	3.0	7.2	19.7	28.0	40.2	74.9	84.1	92.0	113.6
2000	14.8*	0.1*	22.6*	1.1	3.3	8.5	17.1	26.3	41.5	60.3	76.4	96.9	115.4
Other cancer													
1995	159.2*	6.9*	185.9*	16.6	36.7	57.8	105.0	188.6	348.5	548.3	844.4	1197.1	2035.1
2000	152.5*	4.9*	172.6*	15.6	29.1	51.8	105.1	186.0	299.8	520.9	830.0	1188.2	2012.9
Chronic obstructive pulmonary disease (COPD)													
1995	46.8*	0.6*	35.3*	1.3	1.4	4.2	8.1	26.3	64.5	141.7	280.0	459.6	867.6
2000	36.8*	0.7*	26.3*	1.2	1.9	2.8	7.1	20.5	45.9	104.8	204.5	345.7	739.3
Other respiratory disease													
1995	18.6*	1.0*	11.4*	1.5	2.6	3.8	7.3	7.6	18.7	38.5	72.2	148.7	444.8
2000	25.3*	0.7*	13.0*	1.3	3.2	3.4	5.1	12.3	20.6	44.8	84.2	203.4	694.0
Vascular disease													
1995	317.2*	3.4*	260.8*	23.4	40.4	72.4	143.1	253.3	463.9	829.1	1525.2	2649.0	6283.6
2000	248.0*	3.5*	186.1*	21.4	38.6	64.3	102.7	178.2	318.4	579.0	1092.0	2012.4	5379.7
Liver cirrhosis													
1995	8.8*	0.4*	17.9*	4.1	6.9	10.2	15.1	24.6	33.1	31.3	25.6	27.7	20.7
2000	7.2*	0.1*	14.0*	1.7	6.2	11.0	12.0	19.5	23.7	23.9	27.0	20.7	22.7
Other medical causes													
1995	126.2*	35.3*	100.5*	45.2	43.1	51.3	57.8	89.3	151.1	266.1	400.4	791.7	2124.8
2000	113.2*	28.3*	80.2*	30.8	33.2	38.5	55.2	71.8	125.7	205.9	380.7	784.7	2063.4
All non-medical causes													
1995	53.7*	45.8*	52.9*	64.6	53.6	46.7	45.7	53.8	47.0	59.1	61.1	95.0	235.9
2000	57.2*	46.8*	55.3*	73.1	66.5	56.4	50.2	42.7	48.2	50.3	73.7	101.5	281.3

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: AUSTRALIA

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2161	270	3	6	261	29	47	96	10	1024	685
35-69	Sm.	1801	767	610	60	97	367	27	404	-	236	-
	Total	12025 (15%)	5954 (13%)	870 (70%)	160 (38%)	4924 (2%)	622 (59%)	182 (15%)	2739 (15%)	168	1666 (14%)	694
70+	Sm.	4584	1182	845	150	187	1185	84	1574	-	559	-
	Total	44766 (10%)	8297 (14%)	1103 (77%)	328 (46%)	6866 (3%)	1821 (65%)	1285 (7%)	24015 (7%)	103	8477 (7%)	768
Any age	Sm.	6385	1949	1455	210	284	1552	111	1978	-	795	-
	Total	58952 (11%)	14521 (13%)	1976 (74%)	494 (43%)	12051 (2%)	2472 (63%)	1514 (7%)	26850 (7%)	281	11167 (7%)	2147
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2015	240	1	7	232	24	28	105	7	898	713
35-69	Sm.	1731	818	661	65	92	318	27	325	-	243	-
	Total	11474 (15%)	5821 (14%)	943 (70%)	170 (38%)	4708 (2%)	549 (58%)	193 (14%)	2256 (14%)	154	1704 (14%)	797
70+	Sm.	4912	1424	1053	159	212	1225	144	1499	-	620	-
	Total	48237 (10%)	9485 (15%)	1373 (77%)	350 (45%)	7762 (3%)	1890 (65%)	2317 (6%)	23694 (6%)	100	9674 (6%)	1077
Any age	Sm.	6643	2242	1714	224	304	1543	171	1824	-	863	-
	Total	61726 (11%)	15546 (14%)	2317 (74%)	527 (43%)	12702 (2%)	2463 (63%)	2538 (7%)	26055 (7%)	261	12276 (7%)	2587

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	9078.2	4635.9	3579.2	712.4	667.7	616.6	476.0	395.5	356.8	354.2	323.0	233.4	306.7
2000	9613.5	4672.1	3968.0	747.4	723.7	673.3	616.0	472.8	389.6	345.2	331.7	286.1	355.6
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	58952	2161	12025	497	709	1040	1346	1707	2538	4188	6389	8238	30139
2000	61726	2015	11474	562	765	1057	1486	1863	2314	3427	5664	8339	34234
Lung cancer													
1995	1976	3	870	9	31	63	117	121	211	318	392	337	374
2000	2317	1	943	12	26	69	130	181	222	303	437	404	532
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	503.1*	46.5*	421.8*	69.8	106.2	168.7	282.8	431.6	711.3	1182.4	1978.0	3529.6	9826.9
2000	458.1*	43.5*	365.7*	75.2	105.7	157.0	241.2	394.0	593.9	992.8	1707.6	2914.7	9627.1
All cancer													
1995	143.9*	5.6*	207.8*	24.6	52.1	93.4	163.9	235.1	362.9	522.3	681.1	920.7	1287.3
2000	134.9*	5.0*	184.4*	26.0	47.7	83.5	139.9	226.5	313.1	453.9	656.9	865.8	1358.0
Lung cancer													
1995	20.2*	0.1*	31.5*	1.3	4.6	10.2	24.6	30.6	59.1	89.8	121.4	144.4	121.9
2000	21.0*	0.0*	31.4*	1.6	3.6	10.2	21.1	38.3	57.0	87.8	131.7	141.2	149.6
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	4.7*	0.1*	5.8*	0.4	0.6	1.0	4.6	7.6	12.9	13.8	23.5	37.3	53.8
2000	4.4*	0.1*	5.5*	0.7	1.5	1.8	4.1	6.6	8.7	15.1	21.1	25.5	58.2
Other cancer													
1995	119.0*	5.4*	170.5*	22.9	46.9	82.2	134.7	197.0	290.9	418.7	536.2	739.1	1111.5
2000	109.5*	4.8*	147.5*	23.7	42.6	71.4	114.8	181.7	247.4	351.1	504.1	699.1	1150.2
Chronic obstructive pulmonary disease (COPD)													
1995	22.2*	0.6*	23.7*	0.6	1.5	3.6	7.8	21.5	46.0	84.7	134.1	188.5	309.1
2000	19.2*	0.5*	19.2*	1.9	1.9	3.6	6.8	19.9	31.1	69.5	109.1	153.8	306.0
Other respiratory disease													
1995	11.9*	1.0*	6.3*	2.0	1.2	2.6	4.4	5.8	9.5	18.6	39.6	67.3	326.1
2000	16.5*	0.6*	6.5*	0.4	1.2	2.5	2.8	6.6	10.3	22.0	45.2	94.4	533.5
Vascular disease													
1995	207.1*	2.0*	101.1*	9.0	14.5	22.9	46.2	83.2	174.9	356.9	787.9	1674.8	5725.8
2000	172.1*	2.2*	76.3*	9.4	14.5	23.9	36.0	69.6	125.3	255.2	581.9	1187.7	5164.8
Liver cirrhosis													
1995	3.1*	0.2*	5.5*	1.4	2.7	2.8	6.3	8.6	5.9	10.7	11.1	14.1	11.1
2000	2.6*	0.1*	4.3*	0.9	2.2	3.6	5.8	5.7	6.4	5.5	12.1	9.1	9.6
Other medical causes													
1995	93.8*	22.5*	57.9*	15.7	14.7	22.5	33.8	59.9	94.7	164.0	289.5	612.7	1992.8
2000	90.1*	20.1*	54.6*	15.3	14.2	22.9	34.7	47.6	87.0	160.8	264.7	552.3	2029.2
All non-medical causes													
1995	21.1*	14.5*	19.6*	16.6	19.5	20.9	20.4	17.4	17.4	25.1	34.7	51.4	174.8
2000	22.7*	15.0*	20.3*	21.4	23.9	17.1	15.1	18.2	20.8	25.8	37.7	51.7	226.1

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

AUSTRALIA: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 4.2	– / 2.0	–
35–69	4.2 / 20	1.7 / 11	23 years
70+	8.1 / 43	4.9 / 48	8 years
All ages	12 / 67	6.6 / 62	13 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

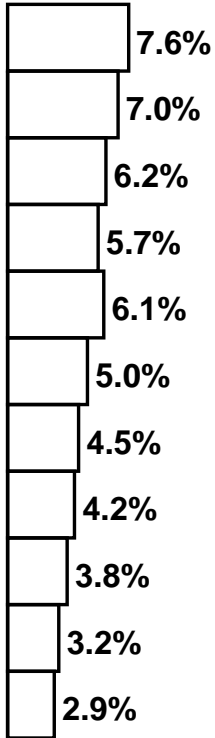
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	1.6/1.9	2.4/2.7	4.0/4.6	–/0.0	0.7/0.9	1.1/1.4	1.7/2.3
All Cancer	–/0.3	2.4/7.7 (31%)	3.7/12 (30%)	6.1/20	–/0.2	0.8/5.8 (14%)	1.4/9.5 (15%)	2.2/16
Vascular	–/0.2	0.9/5.5	1.7/18	2.6/24	–/0.1	0.3/2.3	1.5/24	1.8/26
Respiratory	–/0.1	0.5/1.1	2.1/4.8	2.6/6.0	–/0.1	0.3/0.7	1.4/4.2	1.7/5.0
All Other	–/3.7	0.4/5.4	0.6/8.0	1.1/17	–/1.6	0.2/2.7	0.6/11	0.9/15
All Causes	–/4.2	4.2/20 (21%)	8.1/43 (19%)	12/67	–/2.0	1.7/11 (15%)	4.9/48 (10%)	6.6/62

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	6.1 / 20 (30%)	2.2 / 16 (14%)	8.3 / 36 (23%)
All Causes	12 / 67 (18%)	6.6 / 62 (11%)	19 / 129 (15%)

1950-2000: AUSTRALIA

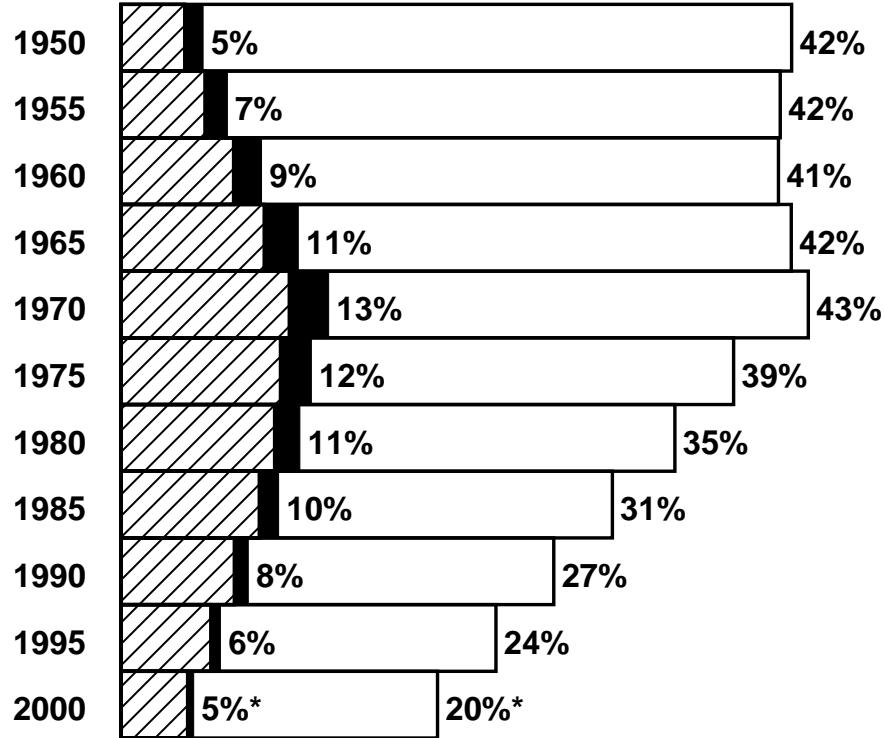
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

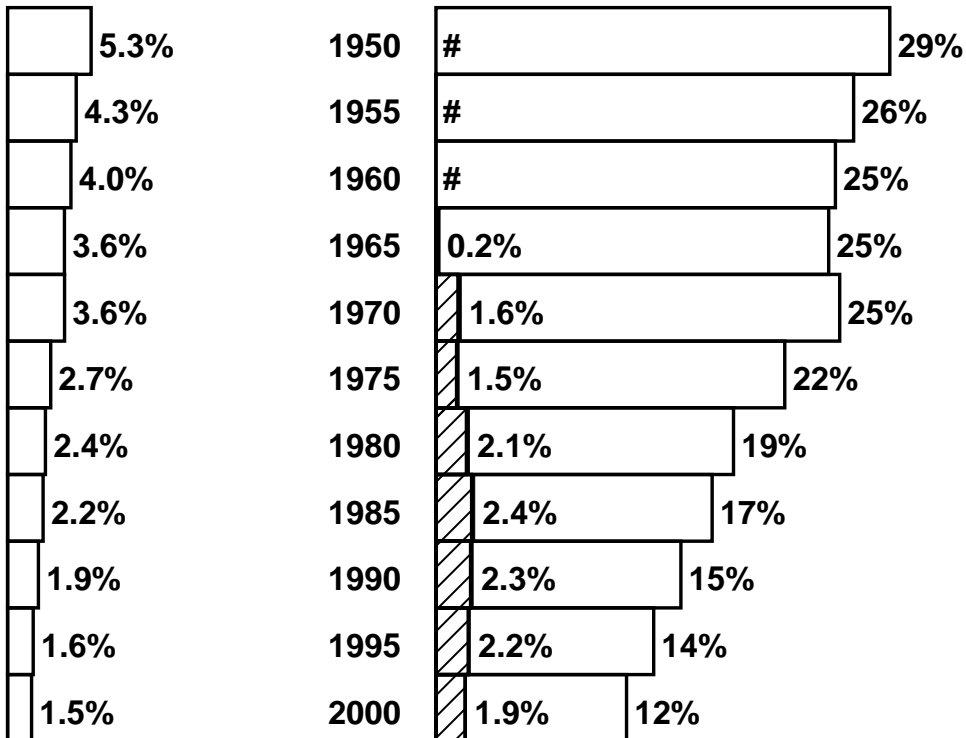
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 20 would die before age 70 (with 5 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

AUSTRALIA: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	-/6.1	2.5/20 (13%)	0.3/18 (2%)	2.8/44	-/4.1	0.0/13	0.0/18	0.0/34
1955	-/6.1	3.4/21 (17%)	1.3/20 (7%)	4.7/46	-/3.7	0.0/12	0.0/20	0.0/36
1960	-/6.0	4.7/22 (22%)	1.9/22 (9%)	6.6/50	-/3.8	0.0/13	0.0/22	0.0/39
1965	-/5.9	6.6/25 (26%)	3.2/25 (13%)	9.8/56	-/3.6	0.1/14 (0.9%)	0.1/27 (0.3%)	0.2/44
1970	-/6.9	8.4/28 (30%)	4.9/28 (18%)	13/63	-/3.9	1.0/15 (6%)	0.3/31 (0.9%)	1.3/50
1975	-/6.3	8.6/28 (31%)	5.5/27 (20%)	14/61	-/3.2	1.0/15 (7%)	0.6/30 (2%)	1.6/48
1980	-/5.6	8.4/26 (32%)	6.7/29 (23%)	15/61	-/2.8	1.5/13 (11%)	1.2/32 (4%)	2.7/48
1985	-/5.6	7.7/24 (32%)	7.6/34 (22%)	15/64	-/2.8	1.8/13 (14%)	2.1/38 (5%)	3.9/54
1990	-/5.2	6.7/23 (29%)	7.3/35 (21%)	14/64	-/2.5	1.9/13 (15%)	3.1/40 (8%)	5.0/55
1995	-/4.6	5.5/22 (25%)	7.9/40 (20%)	13/66	-/2.2	1.8/12 (15%)	4.6/45 (10%)	6.4/59
2000	-/4.2	4.2/20 (21%)	8.1/43 (19%)	12/67	-/2.0	1.7/11 (15%)	4.9/48 (10%)	6.6/62

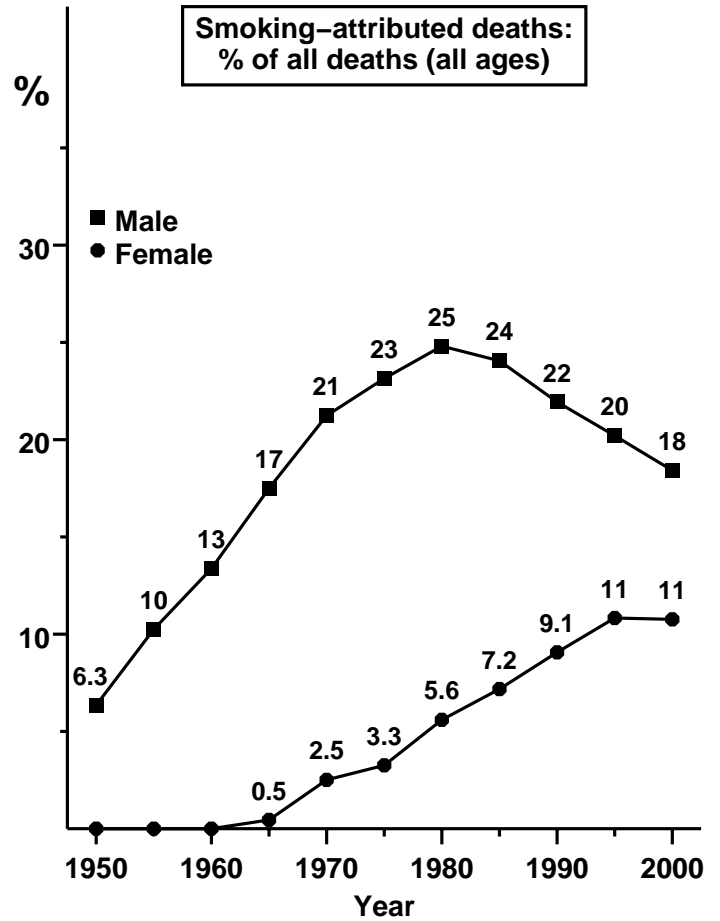
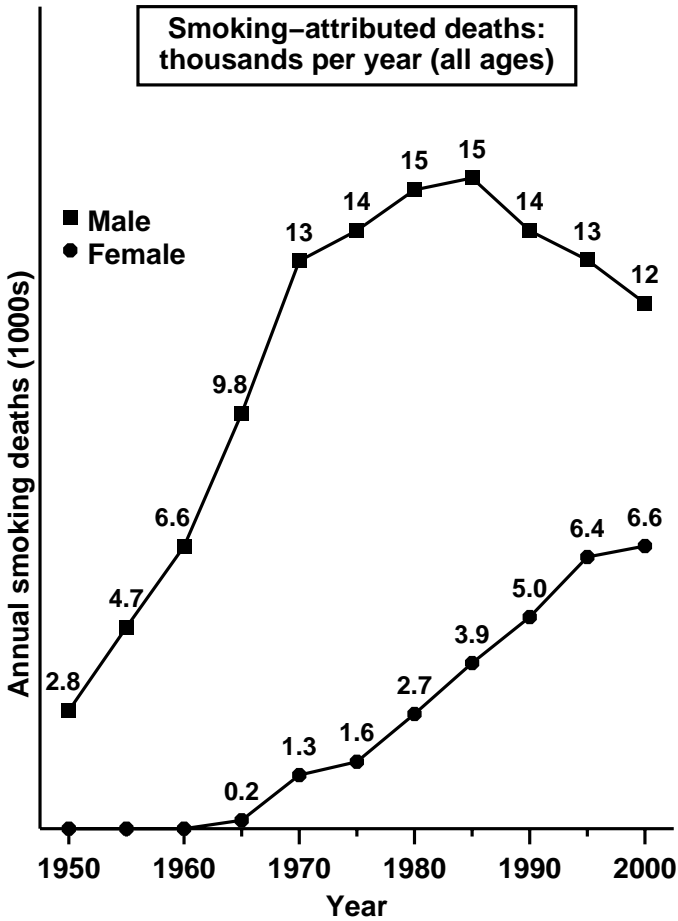
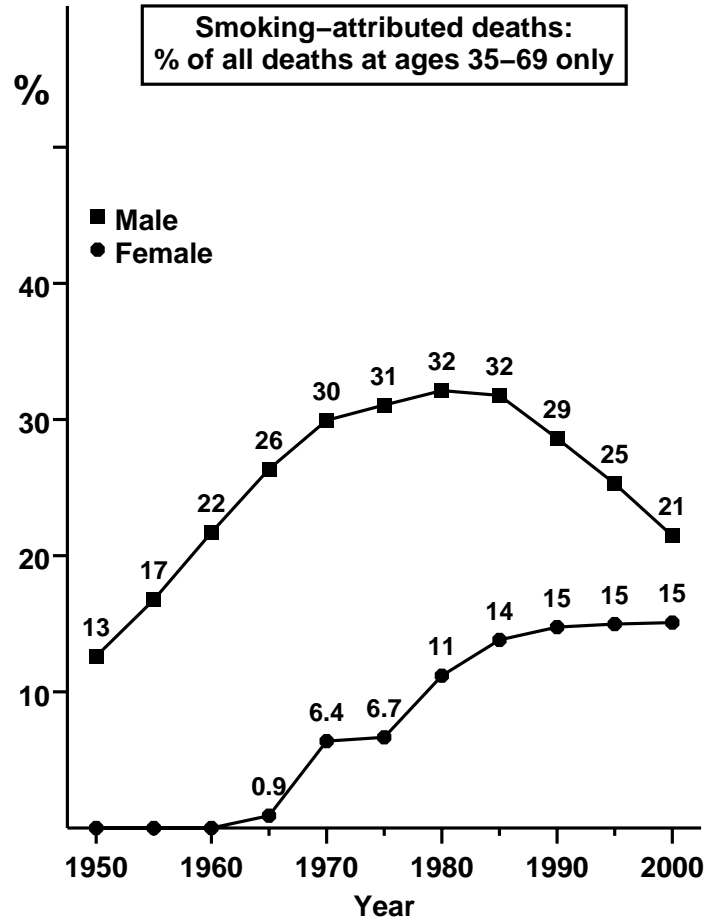
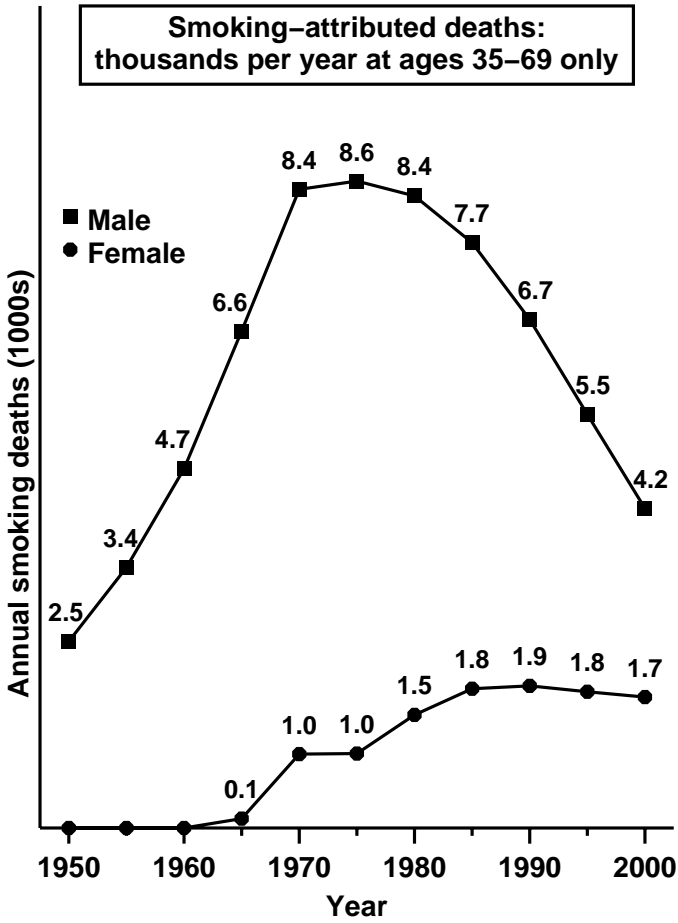
50-year total* (thousands), mid-1950 to mid-2000: 693 / 5337

1950-2000 by age & sex:

-/285	318/1190 (27%)	254/1450 (18%)	572/2924	-/156	48/663 (7%)	73/1594 (5%)	120/2413
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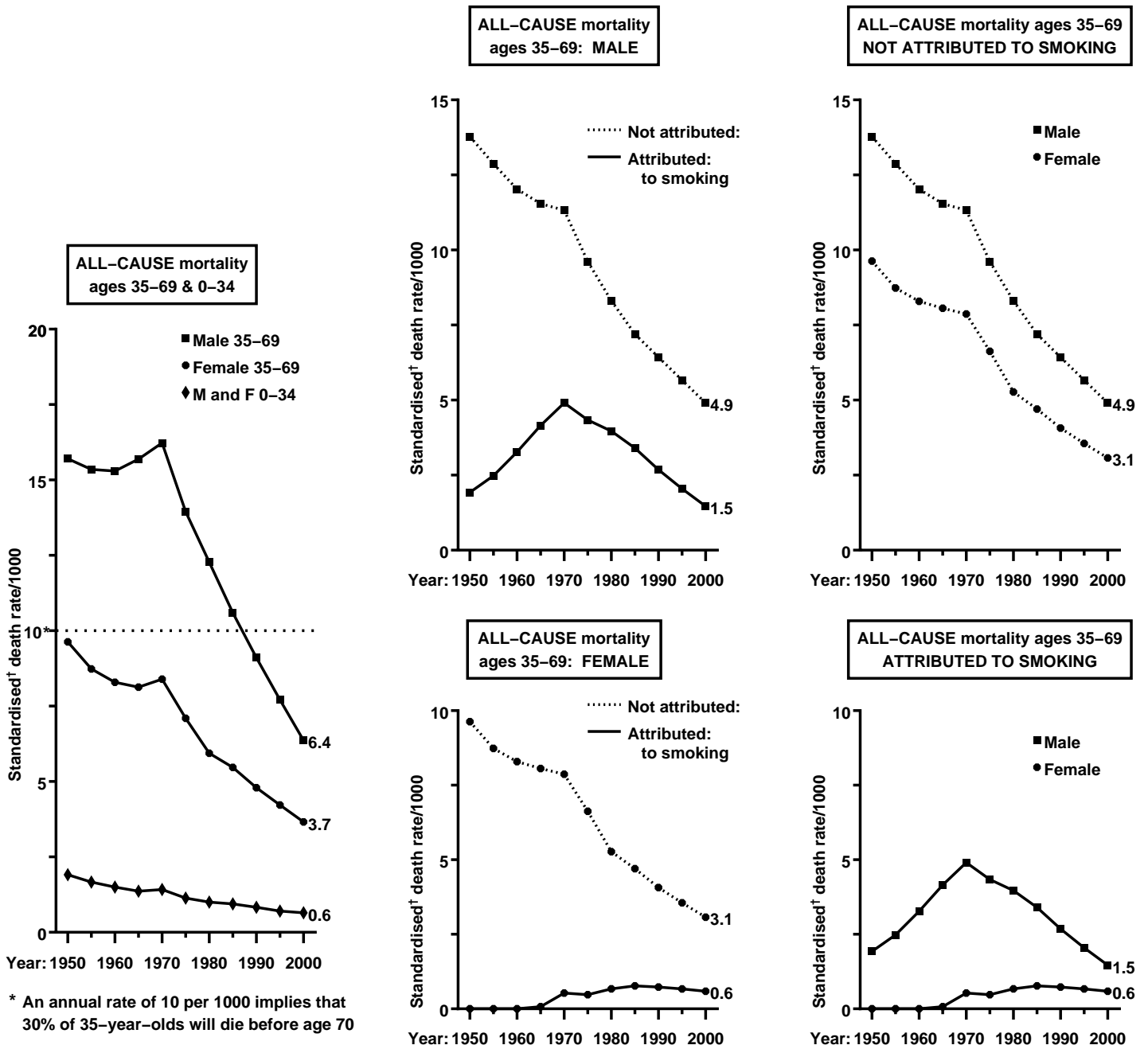
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1950-2000: AUSTRALIA



AUSTRALIA: 1950-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

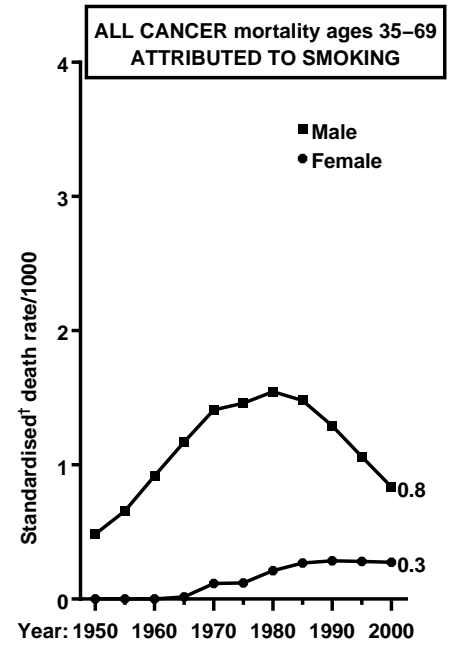
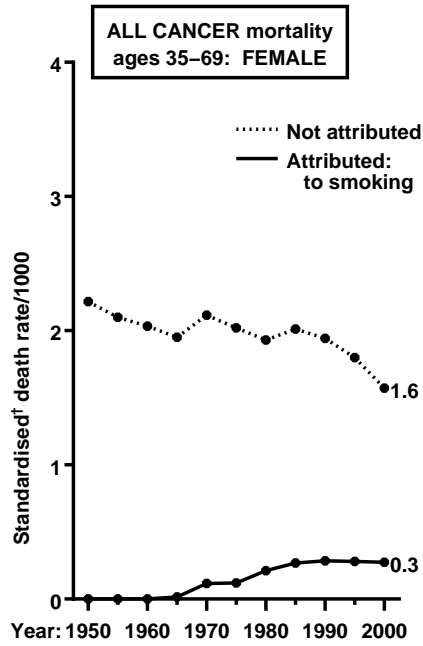
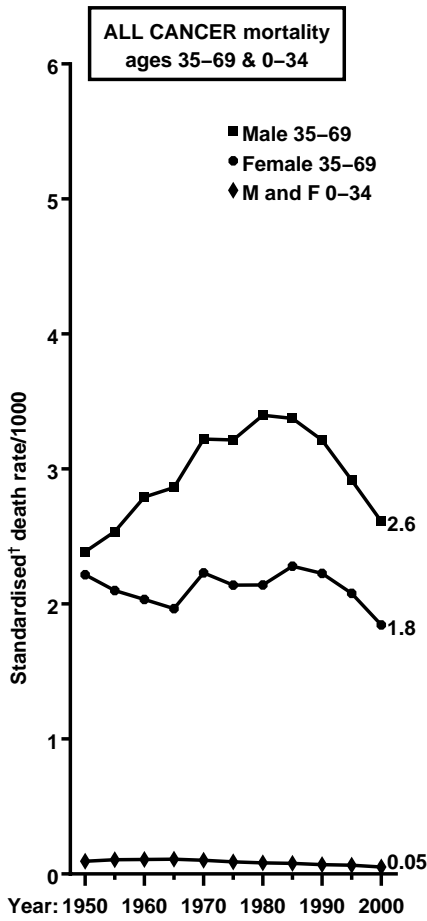
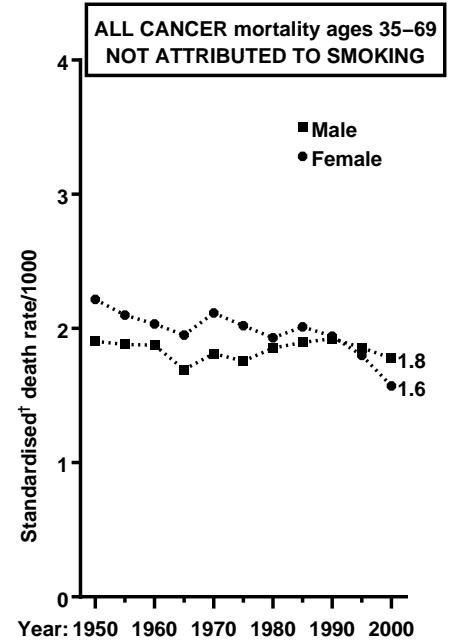
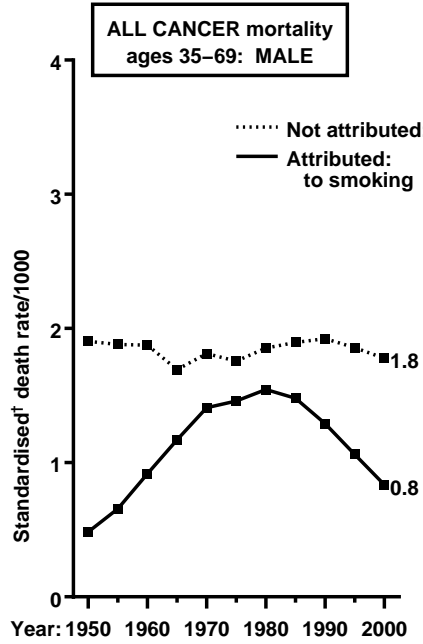
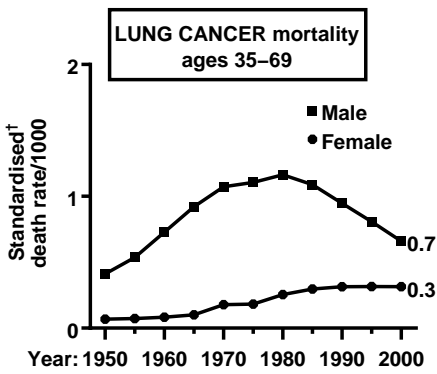


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	-	2.27	1.92	13.8	1.64	81.0	-	1.55	0.00	9.63	0.00	57.1	-	1.26	0.00	8.73	0.00	53.9
1955	-	1.83	3.27	12.0	7.63	72.6	-	1.16	0.00	8.29	0.00	49.7	-	1.04	0.07	8.06	0.24	49.6
1960	-	1.68	4.15	11.5	11.7	70.7	-	1.04	0.53	7.87	0.66	49.7	-	0.79	0.47	6.62	1.01	40.3
1965	-	1.79	4.90	11.3	17.0	70.0	-	1.04	0.67	5.27	1.79	34.3	-	0.69	0.77	4.70	2.59	32.0
1970	-	1.48	3.40	7.19	15.5	47.7	-	0.65	0.73	4.06	3.29	27.6	-	0.69	0.73	4.06	3.29	27.6
1975	-	1.31	2.68	6.43	12.4	42.0	-	0.56	0.66	3.55	3.80	23.7	-	0.69	0.66	3.55	3.80	23.7
1980	-	1.23	2.04	5.66	10.8	36.9	-	0.46	0.59	3.07	3.36	19.8	-	0.69	0.59	3.07	3.36	19.8
1985	-	1.09	1.46	4.90	9.01	32.3	-	0.43					-					
1990	-	0.94					-						-					
1995	-	0.85					-						-					
2000	-	0.85					-						-					

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: AUSTRALIA

Trends in ALL CANCER mortality attributed and not attributed to smoking



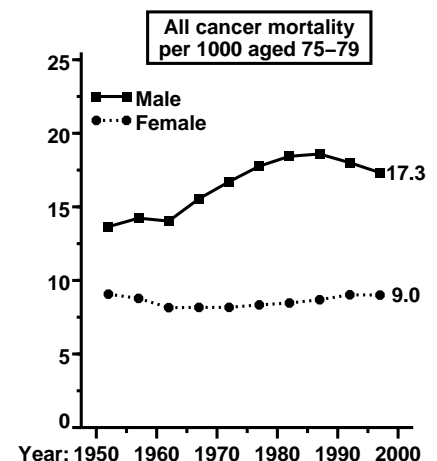
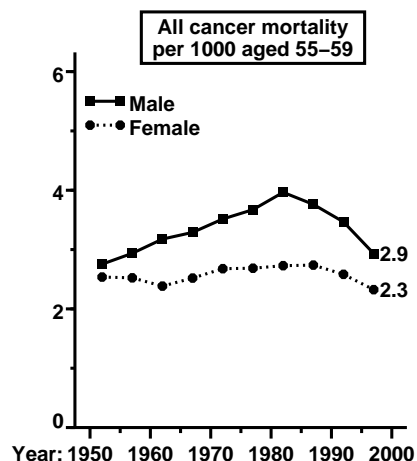
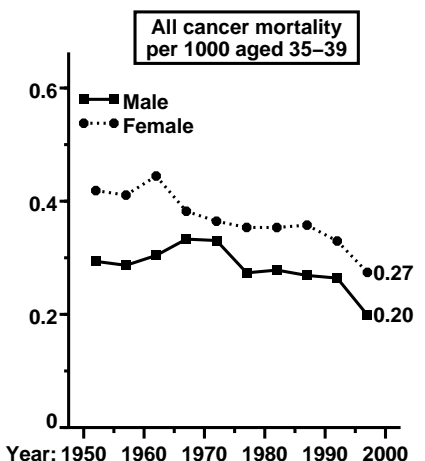
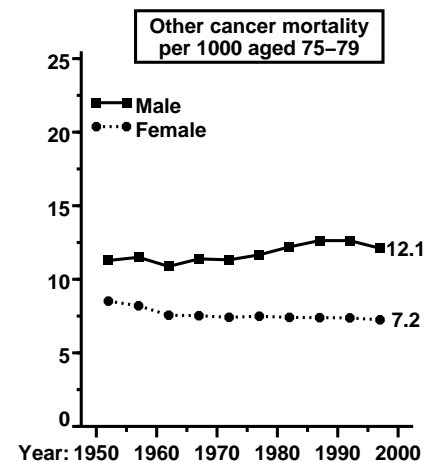
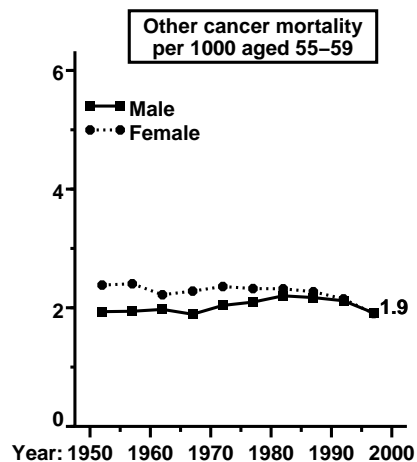
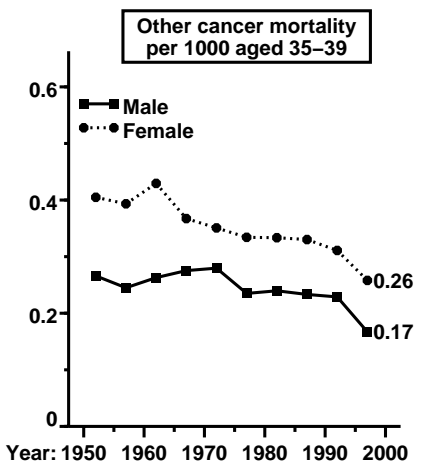
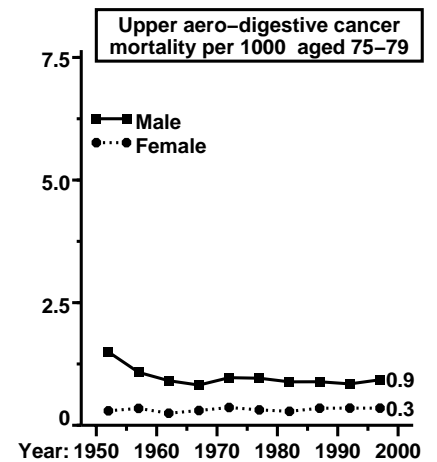
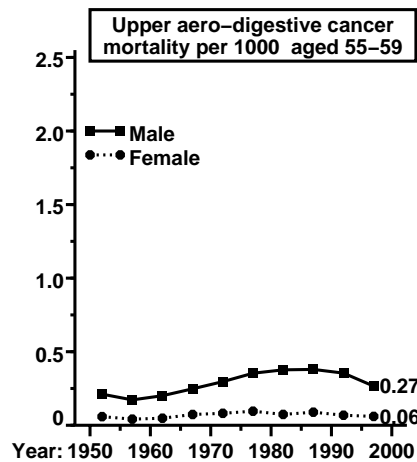
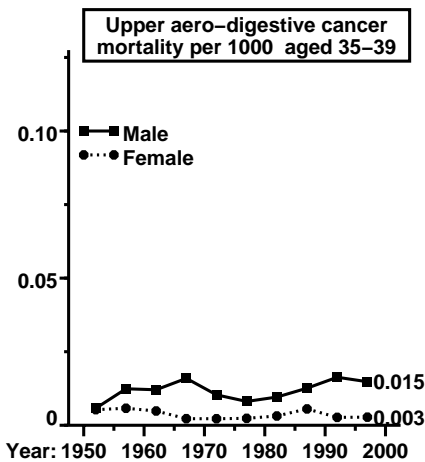
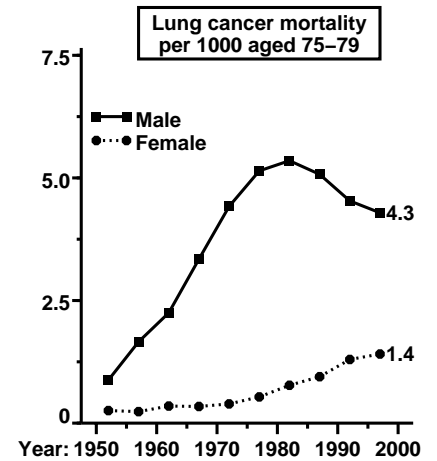
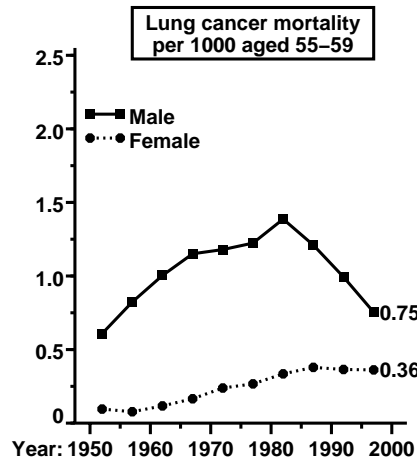
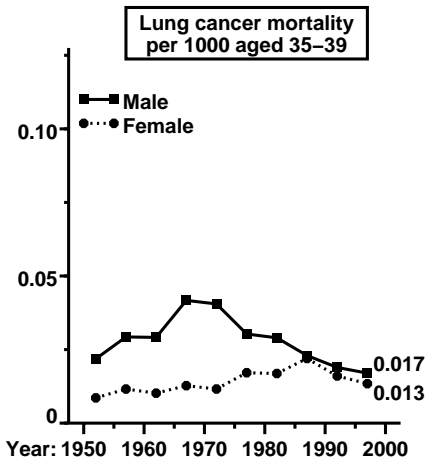
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	-	0.10	0.48	1.90	0.47	11.2	-	0.08	0.00	2.22	0.00	7.58	-	0.10		
1955	-	0.11	0.66	1.88	1.83	9.91	-	0.10	0.00	2.10	0.00	7.74	-	0.10		
1960	-	0.11	0.92	1.87	2.26	9.43	-	0.10	0.00	2.03	0.00	6.84	-	0.10		
1965	-	0.12	1.17	1.69	3.55	9.48	-	0.10	0.01	1.95	0.05	7.04	-	0.10		
1970	-	0.11	1.41	1.81	5.00	9.52	-	0.09	0.11	2.11	0.13	6.98	-	0.09		
1975	-	0.10	1.46	1.76	5.70	9.03	-	0.08	0.12	2.02	0.25	6.82	-	0.08		
1980	-	0.08	1.54	1.85	6.39	9.32	-	0.08	0.21	1.93	0.49	6.90	-	0.08		
1985	-	0.08	1.48	1.89	6.13	9.89	-	0.08	0.27	2.01	0.72	6.97	-	0.08		
1990	-	0.07	1.29	1.92	5.39	10.1	-	0.06	0.28	1.94	1.02	6.75	-	0.06		
1995	-	0.07	1.06	1.86	5.09	9.91	-	0.06	0.28	1.80	1.33	6.68	-	0.06		
2000	-	0.05	0.83	1.78	4.77	9.87	-	0.05	0.27	1.57	1.34	6.28	-	0.05		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

AUSTRALIA: 1950-2000

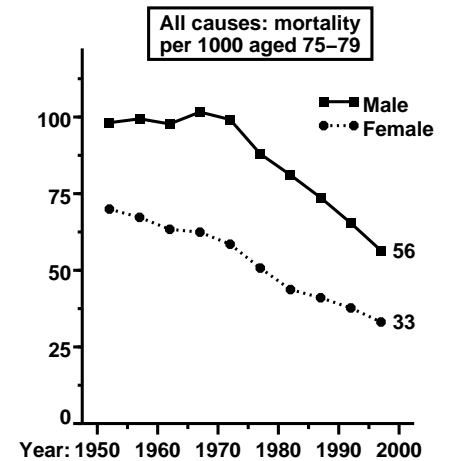
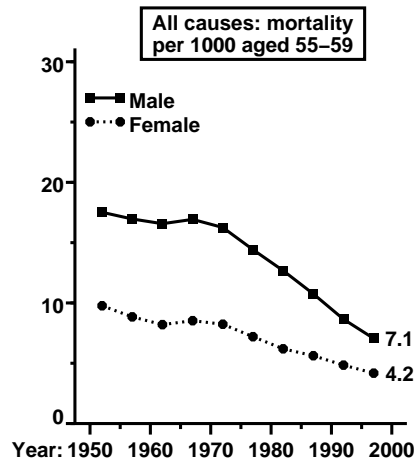
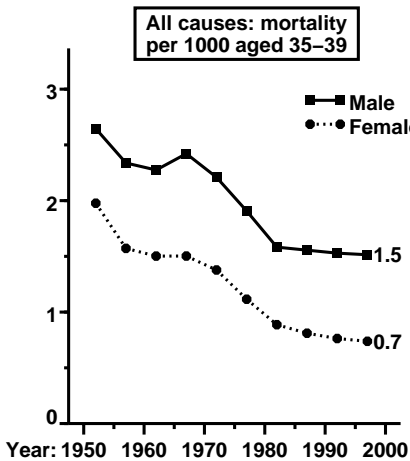
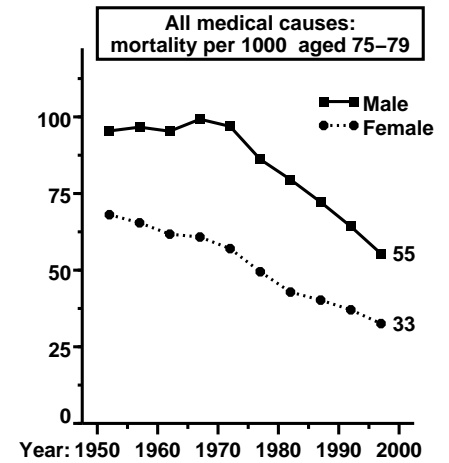
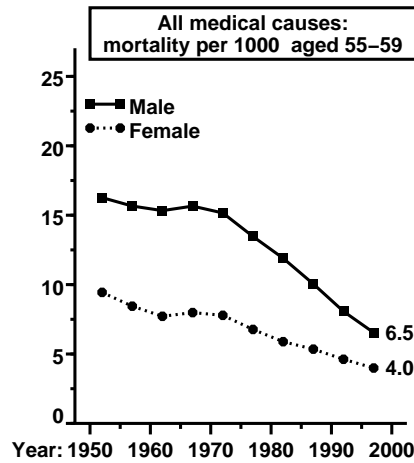
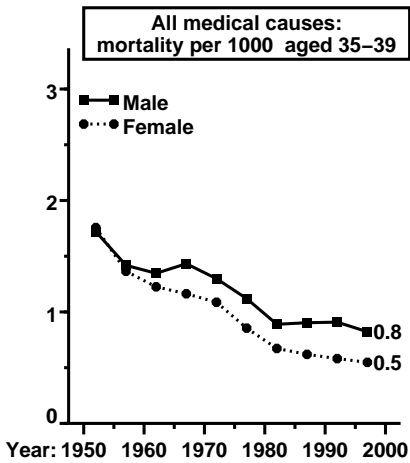
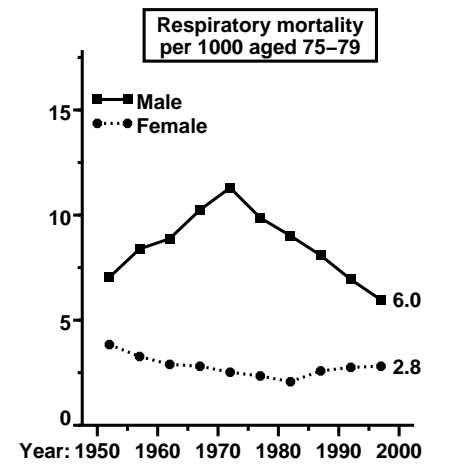
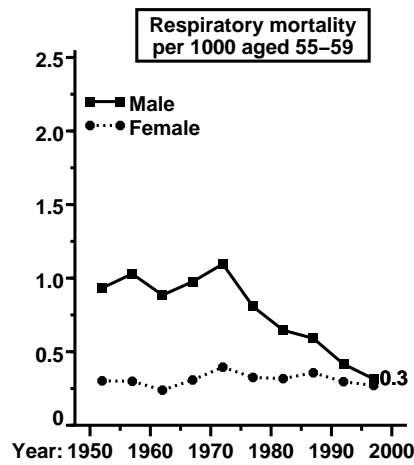
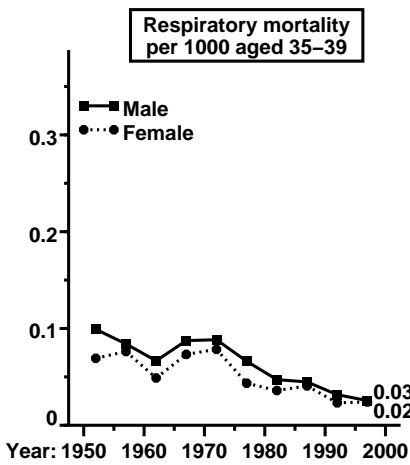
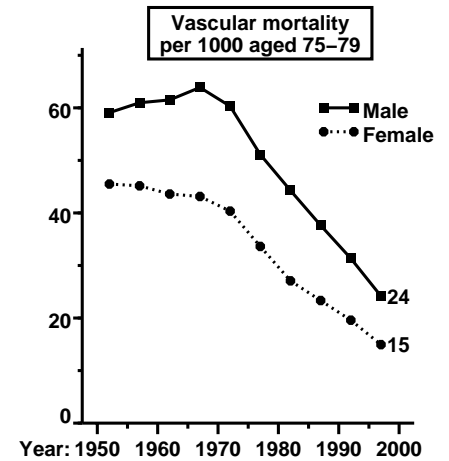
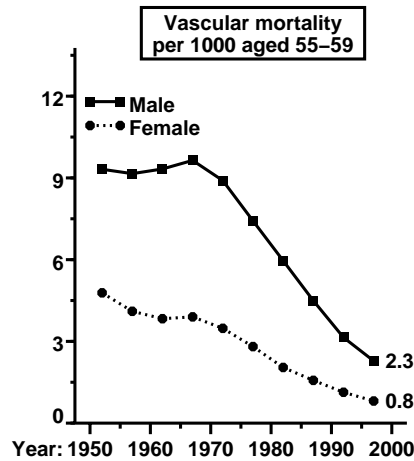
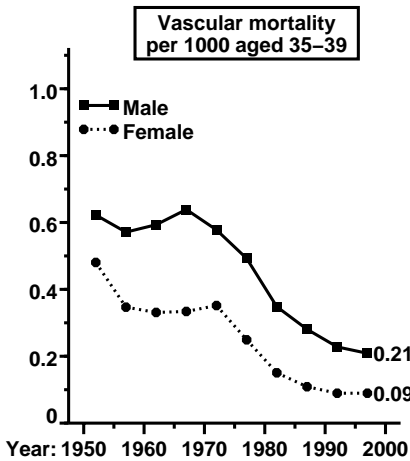
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 50-51

1950-2000: AUSTRALIA

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 50-51

AUSTRIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	35211	1434	12196	837.7	77.3	832.4	121.4	14.8	17.5	84.2	104.5	104.1	94.7
	F	41569	629	6279	530.0	37.2	398.5	100.5	10.9	12.3	30.5	35.0	32.5	39.0
Tuberculosis	M	48	1	25	1.1	0.0	1.5	-	-	-	-	-	-	0.3
	F	26	1	7	0.4	0.0	0.4	-	-	-	-	-	-	0.3
HIV	M	37	9	27	0.8	0.4	1.3	-	-	-	0.8	0.4	1.0	0.8
	F	13	4	9	0.3	0.2	0.5	-	-	-	-	-	0.4	0.9
Other infective and parasitic	M	83	5	43	2.0	0.3	2.9	1.0	0.4	-	-	0.4	0.3	-
	F	101	7	30	1.7	0.4	1.9	1.0	-	0.4	-	0.4	0.4	0.6
ALL CANCER	M	9524	101	4123	225.4	5.0	289.2	2.9	2.5	3.8	3.2	3.3	8.7	10.8
	F	9225	86	2988	141.4	4.3	188.4	1.5	1.7	3.1	3.4	1.8	6.1	12.5
Mouth and pharynx cancer	M	350	-	275	8.6	-	17.9	-	-	-	-	-	-	-
	F	129	1	60	2.2	0.0	3.9	-	-	-	-	-	-	0.3
Oesophagus cancer	M	207	2	128	5.0	0.1	8.5	-	-	-	-	-	0.3	0.3
	F	59	1	23	1.0	0.0	1.5	-	-	-	-	-	-	0.3
Stomach cancer	M	637	10	217	14.9	0.4	15.3	-	-	-	-	0.4	0.3	2.2
	F	592	2	148	8.4	0.1	9.4	-	-	-	-	-	-	0.6
Colorectal cancer	M	1240	2	443	29.1	0.1	32.3	-	-	-	-	0.4	-	0.3
	F	1296	1	296	17.8	0.0	18.8	-	-	-	-	-	-	0.3
Liver cancer	M	257	2	126	6.0	0.1	9.3	0.5	0.4	-	-	-	-	-
	F	107	-	24	1.5	-	1.6	-	-	-	-	-	-	-
Pancreas cancer	M	572	-	268	13.5	-	19.2	-	-	-	-	-	-	-
	F	692	3	195	10.0	0.1	12.8	-	-	-	-	-	0.4	0.6
Larynx cancer	M	153	-	106	3.7	-	7.3	-	-	-	-	-	-	-
	F	18	-	10	0.3	-	0.6	-	-	-	-	-	-	-
Lung cancer	M	2285	6	1225	54.2	0.2	86.0	-	-	-	-	-	-	1.7
	F	984	5	438	16.9	0.2	27.3	-	-	-	-	-	0.7	0.9
Malignant melanoma	M	136	1	68	3.2	0.0	4.4	-	-	-	-	-	0.3	-
	F	126	7	50	2.1	0.3	3.1	-	-	-	-	0.4	1.1	0.9
Female breast cancer	F	1671	15	695	27.7	0.7	42.4	-	-	-	-	-	1.1	3.5
Cervix cancer	F	138	2	68	2.5	0.1	4.1	-	-	-	-	-	0.4	0.3
Other uterine cancer	F	368	4	119	5.6	0.2	7.6	-	-	-	0.4	-	-	0.9
Ovarian cancer	F	549	2	204	8.8	0.1	13.2	-	-	-	-	-	-	0.6
Prostate cancer	M	1229	-	191	28.8	-	15.1	-	-	-	-	-	-	-
Bladder cancer	M	320	-	82	7.5	-	6.2	-	-	-	-	-	-	-
	F	175	-	24	2.2	-	1.5	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	1418	50	697	33.8	2.5	47.8	1.0	1.6	2.9	2.0	1.7	4.2	4.4
	F	1589	25	419	23.3	1.4	26.7	1.0	0.9	2.6	0.8	0.9	1.8	1.7
Hodgkin's disease	M	18	2	8	0.4	0.1	0.5	-	-	-	-	0.4	-	0.3
	F	12	2	7	0.2	0.1	0.4	-	-	-	-	-	0.4	0.3
Myeloma and non-Hodgkin lymphomas	M	383	8	160	9.0	0.4	10.9	-	-	0.4	0.4	-	1.7	0.3
	F	432	4	127	6.4	0.2	8.4	-	-	-	0.4	0.4	-	0.6
Leukaemia	M	319	18	129	7.6	0.9	8.6	1.4	0.4	0.4	0.8	0.4	1.7	1.4
	F	288	12	81	4.4	0.7	5.0	0.5	0.9	0.4	1.7	-	0.4	0.9
Diabetes	M	550	3	175	12.9	0.1	12.8	-	-	-	-	-	-	0.8
	F	838	2	109	10.2	0.1	7.4	-	-	-	-	0.4	-	0.3
ALL VASCULAR DISEASE	M	16259	77	4190	383.7	3.8	297.6	3.3	1.2	0.8	1.2	5.4	6.3	8.6
	F	23852	54	1688	267.8	2.8	111.8	1.0	0.4	0.4	3.0	3.5	5.3	5.8
Rheumatic heart disease and fever	M	35	1	15	0.8	0.1	1.2	-	-	-	0.4	-	-	-
	F	142	1	17	1.7	0.1	1.2	-	-	-	-	-	0.4	-
Hypertensive disease	M	411	-	94	9.7	-	6.8	-	-	-	-	-	-	-
	F	970	1	65	10.8	0.0	4.3	-	-	-	-	-	-	0.3
Ischaemic heart disease	M	7724	21	2446	182.2	0.9	173.2	-	-	-	-	0.8	1.0	4.4
	F	8518	6	668	96.9	0.3	44.9	-	-	-	-	0.4	0.4	1.2
Pulmonary embolism and other venous	M	340	2	108	8.0	0.1	7.6	-	-	-	-	-	0.3	0.3
	F	709	11	109	9.0	0.6	6.9	-	-	-	1.3	0.4	1.4	0.9
Cerebrovascular disease	M	3136	17	590	73.6	0.8	42.5	0.5	0.4	0.4	0.4	0.8	1.7	1.7
	F	5733	11	393	64.1	0.6	25.6	-	-	-	-	1.3	1.1	1.5
Other vascular disease	M	4613	36	937	109.3	1.9	66.3	2.9	0.8	0.4	0.4	3.7	3.1	2.2
	F	7780	24	436	85.2	1.3	28.8	1.0	0.4	0.4	1.7	1.3	2.1	2.0
Chronic obstructive pulmonary disease	M	1241	6	318	29.1	0.3	23.4	0.5	0.4	-	0.4	0.4	-	0.6
	F	954	5	118	11.7	0.3	7.8	0.5	0.4	0.9	-	-	-	0.3
Other respiratory disease	M	766	15	177	18.3	0.8	12.2	1.9	0.4	-	-	1.2	2.1	0.3
	F	1126	4	87	12.7	0.2	5.5	0.5	0.4	-	-	0.4	0.4	-
Peptic ulcer	M	110	-	35	2.6	-	2.4	-	-	-	-	-	-	-
	F	150	-	23	1.8	-	1.4	-	-	-	-	-	-	-
Liver cirrhosis	M	1241	18	901	30.0	0.8	58.7	-	-	-	0.4	-	1.4	3.6
	F	572	8	306	10.6	0.4	18.7	-	-	-	-	-	0.7	1.7
Renal disease	M	308	2	73	7.3	0.1	5.0	-	-	-	-	-	-	0.6
	F	445	2	52	5.3	0.1	3.5	-	-	-	-	-	-	0.7
Pregnancy, birth	F	2	1	1	0.1	0.1	0.0	-	-	-	0.4	-	-	-
Congenital and perinatal causes	M	208	190	16	7.5	12.7	0.9	84.2	1.2	1.3	-	0.4	1.4	0.6
	F	164	151	10	6.1	10.6	0.5	66.3	3.9	0.9	1.3	1.8	0.4	-
Ill-defined causes	M	246	23	23	6.3	1.5	1.5	10.0	-	-	-	-	0.3	0.3
	F	634	20	11	7.0	1.4	0.7	10.0	-	-	-	-	-	-
Other medical causes	M	1624	104	634	38.8	5.5	40.2	7.6	0.8	2.5	6.0	5.4	7.7	8.3
	F	2034	66	346	27.2	3.8	21.7	8.0	0.4	0.9	3.0	4.9	4.6	4.7
ALL NON-MEDICAL CAUSES	M	2966	880	1436	71.8	45.8	82.7	10.0	7.8	9.2	72.1	87.4	74.7	59.4
	F	1433	218	494	25.7	12.5	28.2	11.6	3.5	5.7	19.5	21.7	13.6	11.9
Motor vehicle traffic accidents	M	627	343	221	15.6	18.2	12.0	1.9	2.1	2.9	35.8	40.4	27.2	17.4
	F	209	71	77	4.5	4.1	4.3	0.5	0.9	2.2	8.0	8.9	6.1	2.0
Fire	M	99	50	44	2.4	2.7	2.3	1.0	2.1	0.8	5.6	3.3	3.1	2.8
	F	54	20	16	1.1	1.1	0.9	0.5	0.9	1.3	1.3	2.2	0.4	1.5
Suicide	M	1156	259	648	27.6	13.1	37.1	-	-	1.7	19.3	24.1	24.4	21.8
	F	432	65	238	8.8	3.5	13.4	-	-	1.8	5.1	6.6	5.0	5.8
Homicide	M	26	12	10	0.7	0.7	0.6	1.4	0.8	-	-	1.2	0.7	0.6
	F	49	16	18	1.1	0.9	1.0	2.5	0.4	-	1.3	0.4	1.1	0.9
POPULATION:														
(1000s; UN, 2002 revision)			M=male		3955.5	1830.0	1807.8	210.1	242.8	240.0	248.3	240.2	286.4	362.2
			F=female		4146.2	1742.5	1811.3	199.1	230.1	227.2	236.1	225.8	280.4	343.8

2000: AUSTRIA

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
129.8	229.5	343.2	622.9	918.1	1349.8	2234.0	3566.7	5811.8	13532.8	M	ALL CAUSES	001-999/A00-Y89
67.9	129.6	203.2	320.5	438.7	613.8	1015.5	1840.8	3481.5	11888.1	F		
0.3	1.9	0.8	2.8	1.2	1.5	1.9	7.2	3.1	11.2	M	Tuberculosis	010-018, 137/
-	0.3	0.4	0.8	-	0.9	0.5	1.0	2.6	5.4	F		A15-A19, B90
2.4	2.5	1.5	1.2	0.4	-	1.3	0.7	-	-	M	HIV	279.5, 279.6/B20-B24
0.6	0.7	0.8	0.8	-	-	0.5	-	-	-	F		
0.8	0.6	2.3	1.6	2.1	4.9	8.2	8.7	10.2	16.1	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.6	0.3	0.8	2.8	0.4	3.2	5.4	8.8	9.7	13.7	F		
17.3	44.5	94.9	206.8	340.9	505.9	814.5	1179.5	1608.3	2581.2	M	ALL CANCER	140-208/C00-C97
22.1	61.0	102.9	164.1	227.5	322.6	418.6	651.5	912.8	1522.5	F		
1.6	6.3	11.7	19.5	24.3	27.7	34.0	26.0	14.2	31.0	M	Mouth and pharynx cancer	140-149/C00-C14
-	0.7	1.9	4.0	3.6	8.8	8.0	5.7	11.3	17.1	F		
0.3	0.6	4.5	10.3	13.2	14.3	16.4	24.5	21.4	27.3	M	Oesophagus cancer	150/C15
-	-	0.4	2.4	1.2	2.3	4.3	3.6	8.7	5.4	F		
1.3	1.6	5.3	11.9	17.7	23.7	45.3	76.4	132.2	215.6	M	Stomach cancer	151/C16
1.4	2.7	5.8	6.8	10.3	14.3	24.6	40.5	61.5	119.3	F		
0.3	3.2	6.4	19.9	33.3	57.3	105.7	168.0	245.2	397.8	M	Colorectal cancer	153, 154/C18-C21
2.9	5.0	5.4	15.7	22.7	36.9	43.4	84.5	125.6	288.9	F		
0.5	0.6	0.8	3.6	10.3	17.3	32.1	33.2	56.0	34.7	M	Liver cancer	155.0/C22 excl C221
-	-	1.2	1.6	1.6	2.3	4.3	10.9	19.5	11.7	F		
0.5	1.6	6.8	11.1	20.6	37.1	56.6	84.4	92.6	119.0	M	Pancreas cancer	157/C25
1.2	2.3	5.0	8.0	11.1	24.9	36.9	45.6	81.0	121.2	F		
-	2.5	1.5	6.4	7.8	15.8	17.0	18.0	14.2	9.9	M	Larynx cancer	161/C32
-	-	0.4	1.2	1.2	1.4	-	1.0	2.6	0.5	F		
2.7	9.8	28.3	62.5	109.9	154.2	234.6	315.8	352.0	334.6	M	Lung cancer	162/C33, C34
2.3	8.0	17.8	28.1	39.8	40.6	54.6	75.2	95.4	102.6	F		
0.8	1.6	1.1	4.4	7.8	6.4	8.8	15.1	18.3	34.7	M	Malignant melanoma	172/C43
-	1.0	3.9	2.8	3.6	4.6	5.9	4.1	13.8	16.6	F		
7.5	20.9	29.4	38.2	58.5	72.5	70.1	107.4	131.8	242.9	F	Female breast cancer	174/C50
0.6	2.0	5.4	4.8	4.8	5.1	5.9	10.9	9.7	13.7	F	Cervix cancer	180/C53
0.3	2.3	2.7	6.0	10.7	12.0	19.3	26.5	37.4	59.1	F	Other uterine cancer	179, 182/C54, C55
0.6	3.0	5.0	10.9	14.7	24.9	33.2	48.8	44.1	79.7	F	Ovarian cancer	183/C56, C570-C574
-	0.3	0.8	2.4	9.9	25.7	66.7	128.3	273.7	732.3	M	Prostate cancer	185/C61
-	0.3	0.4	4.0	5.4	9.4	23.9	35.3	73.2	145.0	M	Bladder cancer	188/C67
0.3	0.3	0.8	-	2.0	4.2	3.2	10.4	16.9	47.9	F		
5.4	10.4	20.0	37.4	53.1	84.5	123.9	162.9	193.3	316.0	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
3.7	8.3	11.6	23.3	29.0	44.8	65.8	123.4	172.8	278.6	F		
0.3	0.6	-	-	0.4	0.5	1.9	0.7	2.0	6.2	M	Hodgkin's disease	201/C81
-	0.7	-	-	0.4	0.9	1.1	-	1.0	0.5	F		
1.9	2.5	3.8	7.6	14.8	17.3	28.3	52.6	75.3	84.3	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/ C82-C90, C96
-	0.7	2.7	5.6	9.1	15.7	25.2	33.7	52.8	65.0	F		
1.6	2.5	3.4	6.0	12.4	14.8	19.5	38.2	44.8	92.9	M	Leukaemia	204-208/C91-C95
1.4	3.3	3.5	4.4	3.2	6.5	12.8	19.2	26.7	51.8	F		
0.8	1.6	3.0	6.4	12.4	19.3	46.5	68.5	104.8	215.6	M	Diabetes	250/E10-E14
0.3	0.7	2.3	3.2	4.8	12.5	28.4	44.6	88.7	228.7	F		
19.4	55.6	100.2	190.5	308.8	480.2	928.3	1683.5	3061.0	8237.9	M	ALL VASCULAR DISEASE	390-459/I00-I99
10.9	21.2	39.1	68.0	102.2	160.1	381.2	838.2	1914.9	8191.6	F		
-	-	0.4	0.4	0.8	1.0	5.7	2.2	5.1	13.6	M	Rheumatic heart disease and fever	390-398/I00-I09
-	-	0.8	0.4	-	1.8	5.4	8.3	12.8	40.6	F		
0.3	0.6	3.4	4.0	7.0	8.4	23.9	33.9	82.4	234.2	M	Hypertensive disease	401-405/I10-I15
0.3	0.3	1.2	3.6	3.6	8.8	12.3	31.1	77.4	338.7	F		
7.6	30.9	63.5	117.3	181.1	291.0	520.8	891.1	1429.3	3241.6	M	Ischaemic heart disease	410-414/I20-I25
2.0	5.3	11.6	24.9	44.2	62.8	163.8	358.4	773.3	2759.0	F		
1.3	1.9	2.3	5.2	7.4	10.9	23.9	40.4	62.1	140.0	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.2	1.7	3.5	4.8	9.5	9.7	18.2	31.6	71.8	189.6	F		
3.8	8.8	12.8	22.7	39.9	61.3	148.4	299.2	666.3	1807.9	M	Cerebrovascular disease	430-438/I60-I69
3.2	8.6	12.4	14.9	20.7	37.4	82.4	190.9	480.5	1966.8	F		
6.5	13.3	17.8	41.0	72.5	107.7	205.7	416.7	815.9	2800.5	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
4.3	5.3	9.7	19.3	24.3	39.7	99.0	217.8	499.0	2896.9	F		
0.3	2.5	7.2	6.8	26.8	38.5	81.8	148.5	264.5	558.9	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.3	0.7	3.5	4.4	9.1	12.9	23.6	51.3	96.9	265.4	F		
2.4	3.5	4.2	8.8	10.3	21.2	35.2	63.4	108.9	469.6	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.2	2.0	2.3	3.2	8.0	6.5	15.5	28.5	73.3	409.1	F		
0.3	-	0.8	2.0	3.3	4.9	5.7	15.9	13.2	49.6	M	Peptic ulcer	531-533/K25-K27
0.6	1.0	-	0.4	2.0	2.8	3.2	5.7	13.8	43.5	F		
8.6	19.3	33.6	66.0	72.0	97.8	113.2	104.5	122.1	70.6	M	Liver cirrhosis	571/K70, K74
2.6	8.6	12.4	24.5	25.9	23.5	33.2	39.4	43.6	47.4	F		
0.5	1.9	1.5	2.0	4.5	12.8	11.9	20.9	62.1	177.2	M	Renal disease	580-590/N00-N19
-	1.3	1.5	1.2	2.0	6.0	12.3	18.7	28.2	146.6	F		
-	0.3	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
0.5	0.9	0.4	1.2	2.5	-	0.6	0.7	1.0	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.4	0.3	0.4	0.8	0.4	-	-	-	1.0	0.5	F		
0.3	1.3	1.5	0.8	0.8	2.0	3.8	7.2	17.3	214.4	M	Ill-defined causes	780-799/R00-R99
0.6	-	0.4	-	1.6	0.5	1.6	6.2	19.5	270.3	F		
7.0	21.5	31.7	41.8	43.2	67.7	68.6	134.8	263.5	545.2	M	Other medical causes	Rest of 001-799/ rest of A00-R99
5.8	8.6	12.4	18.1	21.5	30.9	54.6	96.5	191.8	519.1	F		
68.8	72.0	59.7	84.3	88.9	92.9	112.6	122.6	171.9	385.4	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
21.0	22.5	24.0	28.1	33.4	31.4	36.9	50.3	84.6	224.3	F		
16.5	8.8	11.0	13.1	10.3	13.3	11.3	16.6	16.3	29.7	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
4.3	4.6	3.9	3.6	3.6	4.6	5.4	9.9	9.2	11.7	F		
3.5	3.5	1.1	2.0	2.1	1.5	2.5	0.7	2.0	2.5	M	Fire	E890-E899/X00-X09
0.3	1.0	0.8	2.0	0.8	1.4	-	-	4.6	4.4	F		
28.9	34.1	27.6	37.8	43.6	44.5	43.4	55.5	73.2	123.9	M	Suicide	E950-E959/X60-X84
10.6	12.3	10.4	12.5	17.9	14.3	16.1	19.2	20.0	25.9	F		
0.3	0.3	1.9	0.4	-	0.5	0.6	0.7	2.0	1.2	M	Homicide	E960-E969/ X85-X99, Y00-Y09
2.0	-	1.2	0.8	0.8	0.5	1.6	2.1	2.1	3.4	F		
370.7	316.8	264.6	251.4	242.9	202.4	159.0	138.7	98.3	80.7	M	POPULATION	
347.7	301.6	258.4	248.7	251.4	216.7	186.8	192.8	195.0	204.6	F	(1000s; UN, 2002 revision)	

AUSTRIA: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1912	102	2	3	97	6	17	114	22	479	1172
35-69	Sm.	3658	1829	1177	322	330	241	35	1233	-	320	-
	Total	13750 (27%)	4335 (42%)	1294 (91%)	539 (60%)	2502 (13%)	325 (74%)	139 (25%)	5091 (24%)	1096	1226 (26%)	1538
70+	Sm.	3481	1425	912	98	415	624	40	1213	-	179	-
	Total	21978 (16%)	5187 (27%)	1027 (89%)	183 (54%)	3977 (10%)	913 (68%)	449 (9%)	12616 (10%)	338	1838 (10%)	637
Any age	Sm.	7139	3254	2089	420	745	865	75	2446	-	499	-
	Total	37640 (19%)	9624 (34%)	2323 (90%)	725 (58%)	6576 (11%)	1244 (70%)	605 (12%)	17821 (14%)	1456	3543 (14%)	3347
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1434	101	6	2	93	6	15	77	18	337	880
35-69	Sm.	3157	1677	1103	292	282	227	40	955	-	258	-
	Total	12196 (26%)	4123 (41%)	1225 (90%)	509 (57%)	2389 (12%)	318 (71%)	177 (23%)	4190 (23%)	901	1051 (25%)	1436
70+	Sm.	3192	1392	920	101	371	595	45	1005	-	155	-
	Total	21581 (15%)	5300 (26%)	1054 (87%)	199 (51%)	4047 (9%)	917 (65%)	574 (8%)	11992 (8%)	322	1826 (8%)	650
Any age	Sm.	6349	3069	2023	393	653	822	85	1960	-	413	-
	Total	35211 (18%)	9524 (32%)	2285 (89%)	710 (55%)	6529 (10%)	1241 (66%)	766 (11%)	16259 (12%)	1241	3214 (13%)	2966

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)														
1995		3902.2	1972.5	1651.9	318.5	268.2	258.1	253.1	214.9	175.7	163.4	126.2	62.9	88.7
2000		3955.5	1830.0	1807.8	370.7	316.8	264.6	251.4	242.9	202.4	159.0	138.7	98.3	80.7
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		37640	1912	13750	557	743	1109	1767	2161	3104	4309	5186	4033	12759
2000		35211	1434	12196	481	727	908	1566	2230	2732	3552	4947	5713	10921
Lung cancer														
1995		2323	2	1294	10	30	80	188	206	321	459	427	260	340
2000		2285	6	1225	10	31	75	157	267	312	373	438	346	270
ANNUAL DEATH RATE / 100,000														
All causes					(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)									
1995		950.7*	92.6*	998.4*	174.9	277.0	429.7	698.1	1005.6	1766.6	2637.1	4109.4	6411.8	14384.4
2000		837.7*	77.3*	832.4*	129.8	229.5	343.2	622.9	918.1	1349.8	2234.0	3566.7	5811.8	13532.8
All cancer														
1995		246.9*	4.7*	323.2*	19.8	51.1	108.1	239.8	316.4	602.2	924.7	1266.2	1769.5	2791.4
2000		225.4*	5.0*	289.2*	17.3	44.5	94.9	206.8	340.9	505.9	814.5	1179.5	1608.3	2581.2
Lung cancer														
1995		60.6*	0.1*	97.0*	3.1	11.2	31.0	74.3	95.9	182.7	280.9	338.4	413.4	383.3
2000		54.2*	0.2*	86.0*	2.7	9.8	28.3	62.5	109.9	154.2	234.6	315.8	352.0	334.6
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		19.2*	0.1*	37.7*	2.5	7.8	21.3	45.0	51.2	67.2	69.2	62.6	55.6	77.8
2000		17.3*	0.1*	33.7*	1.9	9.5	17.8	36.2	45.3	57.8	67.3	68.5	49.8	68.2
Other cancer														
1995		167.2*	4.5*	188.4*	14.1	32.1	55.8	120.5	169.4	352.3	574.7	865.3	1300.5	2330.3
2000		153.9*	4.7*	169.6*	12.7	25.3	48.8	108.2	185.7	294.0	512.6	795.2	1206.5	2178.4
Chronic obstructive pulmonary disease (COPD)														
1995		31.2*	0.3*	25.6*	0.3	3.0	4.6	11.1	17.7	42.1	100.4	176.7	290.9	571.6
2000		29.1*	0.3*	23.4*	0.3	2.5	7.2	6.8	26.8	38.5	81.8	148.5	264.5	558.9
Other respiratory disease														
1995		14.9*	0.8*	9.9*	1.3	3.4	3.9	9.9	10.2	20.5	20.2	47.5	85.9	377.7
2000		18.3*	0.8*	12.2*	2.4	3.5	4.2	8.8	10.3	21.2	35.2	63.4	108.9	469.6
Vascular disease														
1995		445.2*	5.0*	385.6*	27.6	62.6	124.8	196.0	365.8	726.2	1196.5	2019.8	3480.1	8881.6
2000		383.7*	3.8*	297.6*	19.4	55.6	100.2	190.5	308.8	480.2	928.3	1683.5	3061.0	8237.9
Liver cirrhosis														
1995		38.4*	0.9*	74.0*	20.7	31.3	52.7	77.0	95.9	132.6	107.7	133.1	120.8	106.0
2000		30.0*	0.8*	58.7*	8.6	19.3	33.6	66.0	72.0	97.8	113.2	104.5	122.1	70.6
Other medical causes														
1995		91.0*	25.6*	84.6*	25.4	42.9	46.9	69.9	95.9	138.3	173.2	322.5	478.5	1274.0
2000		79.4*	20.7*	68.6*	12.9	32.2	43.5	59.7	70.4	113.1	148.4	264.6	475.1	1229.2
All non-medical causes														
1995		83.2*	55.3*	95.5*	79.7	82.8	88.7	94.4	103.8	104.7	114.4	143.4	186.0	382.2
2000		71.8*	45.8*	82.7*	68.8	72.0	59.7	84.3	88.9	92.9	112.6	122.6	171.9	385.4

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: AUSTRIA

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	779	114	6	1	107	4	16	53	9	313	270
35-69	Sm.	551	247	195	19	33	55	6	184	-	59	-
	Total	7094 (8%)	3225 (8%)	335 (58%)	66 (29%)	2824 (1%)	128 (43%)	60 (10%)	2165 (8%)	366	682 (9%)	468
70+	Sm.	1492	373	285	22	66	312	19	680	-	108	-
	Total	35658 (4%)	6191 (6%)	492 (58%)	80 (28%)	5619 (1%)	709 (44%)	656 (3%)	23408 (3%)	270	3613 (3%)	811
Any age	Sm.	2043	620	480	41	99	367	25	864	-	167	-
	Total	43531 (5%)	9530 (7%)	833 (58%)	147 (28%)	8550 (1%)	841 (44%)	732 (3%)	25626 (3%)	645	4608 (4%)	1549
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	629	86	5	2	79	5	4	54	8	254	218
35-69	Sm.	732	376	298	32	46	62	11	206	-	77	-
	Total	6279 (12%)	2988 (13%)	438 (68%)	93 (34%)	2457 (2%)	118 (53%)	87 (13%)	1688 (12%)	306	598 (13%)	494
70+	Sm.	1822	459	344	34	81	415	36	782	-	130	-
	Total	34661 (5%)	6151 (7%)	541 (64%)	111 (31%)	5499 (1%)	831 (50%)	1035 (3%)	22110 (4%)	258	3555 (4%)	721
Any age	Sm.	2554	835	642	66	127	477	47	988	-	207	-
	Total	41569 (6%)	9225 (9%)	984 (65%)	206 (32%)	8035 (2%)	954 (50%)	1126 (4%)	23852 (4%)	572	4407 (5%)	1433

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	4144.1	1879.4	1695.5	302.4	260.0	251.6	256.1	222.6	195.0	207.8	223.8	123.8	221.6
2000	4146.2	1742.5	1811.3	347.7	301.6	258.4	248.7	251.4	216.7	186.8	192.8	195.0	204.6
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	43531	779	7094	240	356	579	893	987	1468	2571	4904	4715	26039
2000	41569	629	6279	236	391	525	797	1103	1330	1897	3549	6789	24323
Lung cancer													
1995	833	6	335	8	18	40	59	40	66	104	148	102	242
2000	984	5	438	8	24	46	70	100	88	102	145	186	210
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	567.7*	41.3*	461.2*	79.4	136.9	230.1	348.7	443.4	752.8	1237.2	2191.2	3808.6	11750.5
2000	530.0*	37.2*	398.5*	67.9	129.6	203.2	320.5	438.7	613.8	1015.5	1840.8	3481.5	11888.1
All cancer													
1995	152.1*	5.4*	208.7*	30.4	61.9	117.2	180.8	234.1	348.7	487.5	705.1	945.9	1553.2
2000	141.4*	4.3*	188.4*	22.1	61.0	102.9	164.1	227.5	322.6	418.6	651.5	912.8	1522.5
Lung cancer													
1995	14.1*	0.3*	21.5*	2.6	6.9	15.9	23.0	18.0	33.8	50.0	66.1	82.4	109.2
2000	16.9*	0.2*	27.3*	2.3	8.0	17.8	28.1	39.8	40.6	54.6	75.2	95.4	102.6
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	2.6*	0.0*	4.2*	0.7	0.8	3.6	5.5	4.5	6.7	7.7	7.6	14.5	20.3
2000	3.5*	0.1*	6.0*	-	0.7	2.7	7.6	6.0	12.5	12.3	10.4	22.6	23.0
Other cancer													
1995	135.4*	5.1*	183.0*	27.1	54.2	97.8	152.3	211.6	308.2	429.7	631.4	848.9	1423.7
2000	121.0*	4.0*	155.1*	19.8	52.4	82.4	128.3	181.8	269.5	351.7	565.9	794.9	1396.9
Chronic obstructive pulmonary disease (COPD)													
1995	10.8*	0.2*	8.5*	0.3	0.8	3.2	7.8	5.4	13.8	27.9	49.6	92.9	218.0
2000	11.7*	0.3*	7.8*	0.3	0.7	3.5	4.4	9.1	12.9	23.6	51.3	96.9	265.4
Other respiratory disease													
1995	8.5*	0.9*	3.9*	0.3	2.7	1.2	3.5	2.2	4.6	12.5	21.4	54.9	243.7
2000	12.7*	0.2*	5.5*	1.2	2.0	2.3	3.2	8.0	6.5	15.5	28.5	73.3	409.1
Vascular disease													
1995	292.2*	2.4*	144.5*	11.9	25.4	47.7	68.3	108.3	245.6	504.3	1096.5	2185.0	8235.1
2000	267.8*	2.8*	111.8*	10.9	21.2	39.1	68.0	102.2	160.1	381.2	838.2	1914.9	8191.6
Liver cirrhosis													
1995	12.7*	0.4*	23.0*	4.3	10.4	17.9	26.6	30.5	30.3	41.4	47.4	46.8	47.8
2000	10.6*	0.4*	18.7*	2.6	8.6	12.4	24.5	25.9	23.5	33.2	39.4	43.6	47.4
Other medical causes													
1995	64.3*	18.4*	44.4*	9.9	14.6	21.9	26.9	38.6	76.4	122.7	213.6	394.2	1194.5
2000	60.2*	16.7*	38.1*	9.8	13.6	19.0	28.1	32.6	56.8	106.5	181.5	355.4	1227.8
All non-medical causes													
1995	27.1*	13.6*	28.2*	22.2	21.2	21.1	34.8	24.3	33.3	40.9	57.6	88.9	258.1
2000	25.7*	12.5*	28.2*	21.0	22.5	24.0	28.1	33.4	31.4	36.9	50.3	84.6	224.3

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

AUSTRIA: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.4	– / 0.6	–
35–69	3.2 / 12	0.7 / 6.3	23 years
70+	3.2 / 22	1.8 / 35	8 years
All ages	6.3 / 35	2.6 / 42	15 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

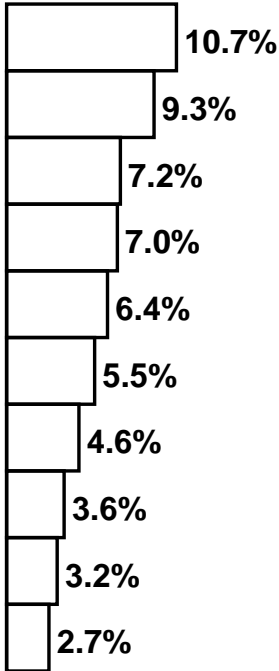
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	1.1/1.2	0.9/1.1	2.0/2.3	–/0.0	0.3/0.4	0.3/0.5	0.6/1.0
All Cancer	–/0.1	1.7/4.1 (41%)	1.4/5.3 (26%)	3.1/9.5	–/0.1	0.4/3.0 (13%)	0.5/6.2 (7%)	0.8/9.2
Vascular	–/0.1	1.0/4.2	1.0/12	2.0/16	–/0.1	0.2/1.7	0.8/22	1.0/24
Respiratory	–/0.0	0.3/0.5	0.6/1.5	0.9/2.0	–/0.0	0.1/0.2	0.5/1.9	0.5/2.1
All Other	–/1.2	0.3/3.4	0.2/2.8	0.4/7.4	–/0.5	0.1/1.4	0.1/4.5	0.2/6.4
All Causes	–/1.4	3.2/12 (26%)	3.2/22 (15%)	6.3/35	–/0.6	0.7/6.3 (12%)	1.8/35 (5%)	2.6/42

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	3.1 / 9.5 (32%)	0.8 / 9.2 (9%)	3.9 / 19 (21%)
All Causes	6.3 / 35 (18%)	2.6 / 42 (6%)	8.9 / 77 (12%)

1955-2000: AUSTRIA

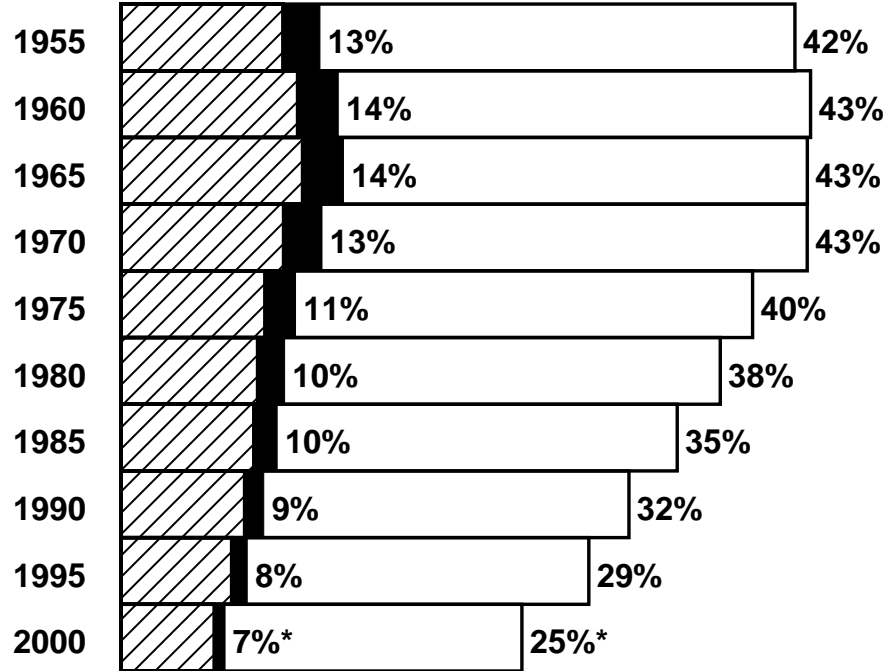
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

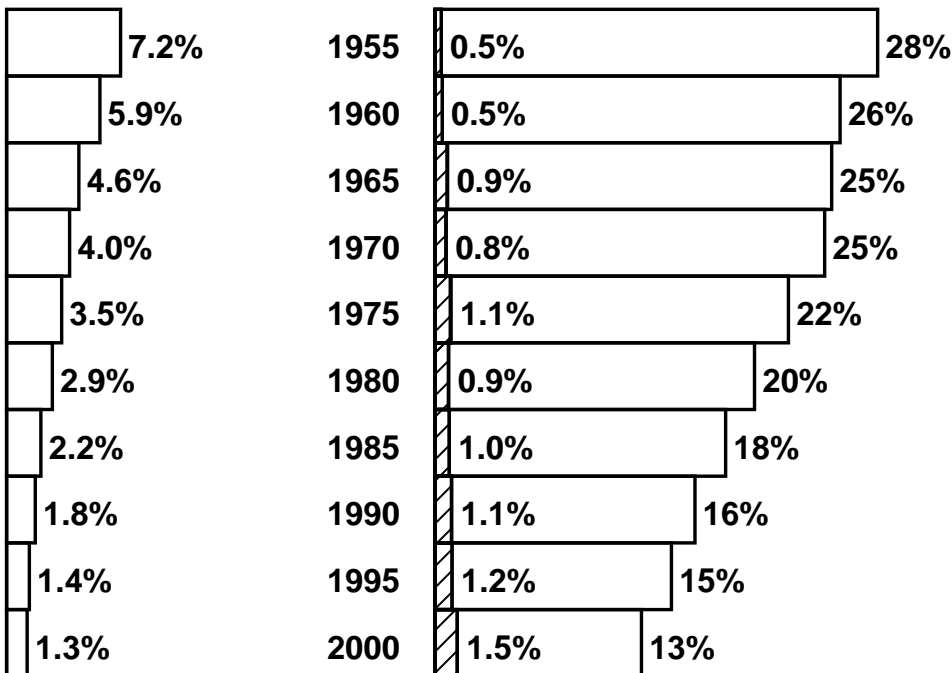
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 25 would die before age 70 (with 7 of these deaths attributed to smoking)

FEMALE



AUSTRIA: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/5.5	5.6/18 (31%)	2.1/20 (11%)	7.7/44	-/3.6	0.2/14 (2%)	0.2/24 (0.7%)	0.4/41
1960	-/5.3	6.3/20 (32%)	2.8/21 (13%)	9.0/46	-/3.2	0.3/14 (2%)	0.4/27 (2%)	0.7/43
1965	-/4.3	6.6/20 (32%)	3.9/23 (17%)	11/47	-/2.7	0.5/14 (3%)	0.4/30 (1%)	0.8/47
1970	-/4.1	5.9/20 (29%)	4.6/25 (18%)	10/49	-/2.3	0.4/14 (3%)	0.7/34 (2%)	1.1/50
1975	-/3.5	4.7/17 (27%)	5.2/26 (20%)	9.9/47	-/1.8	0.6/12 (5%)	0.8/36 (2%)	1.4/49
1980	-/3.0	4.2/15 (27%)	5.1/26 (20%)	9.3/44	-/1.4	0.5/9.9 (5%)	1.4/37 (4%)	1.9/48
1985	-/2.6	3.9/14 (28%)	4.7/25 (18%)	8.6/42	-/1.1	0.5/8.4 (5%)	1.5/38 (4%)	2.0/48
1990	-/2.1	4.0/14 (28%)	3.6/22 (16%)	7.6/38	-/0.9	0.6/8.3 (7%)	1.5/35 (4%)	2.0/45
1995	-/1.9	3.7/14 (27%)	3.5/22 (16%)	7.1/38	-/0.8	0.6/7.1 (8%)	1.5/36 (4%)	2.0/44
2000	-/1.4	3.2/12 (26%)	3.2/22 (15%)	6.3/35	-/0.6	0.7/6.3 (12%)	1.8/35 (5%)	2.6/42

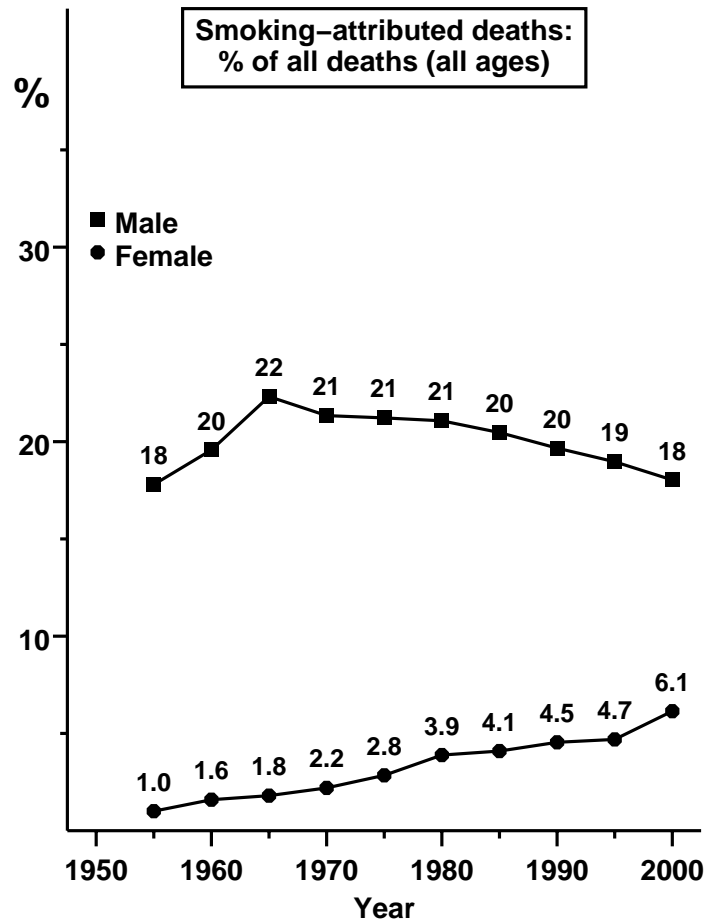
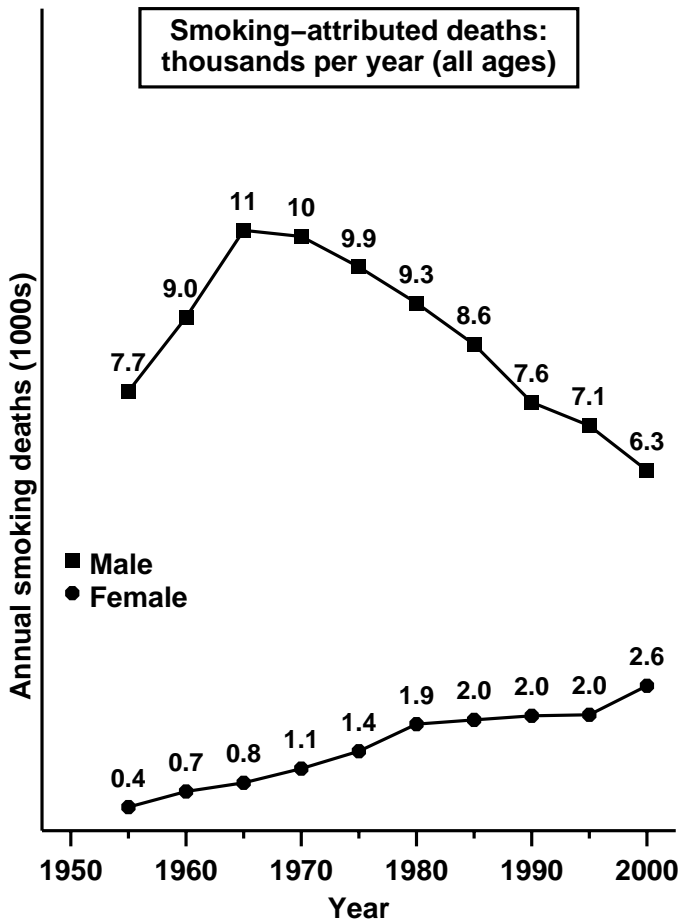
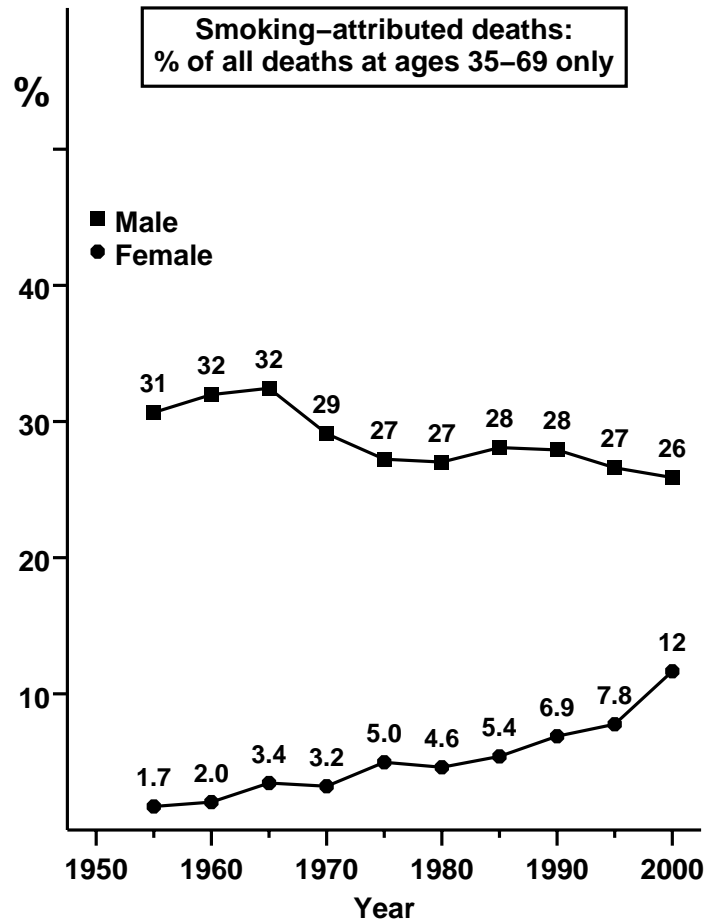
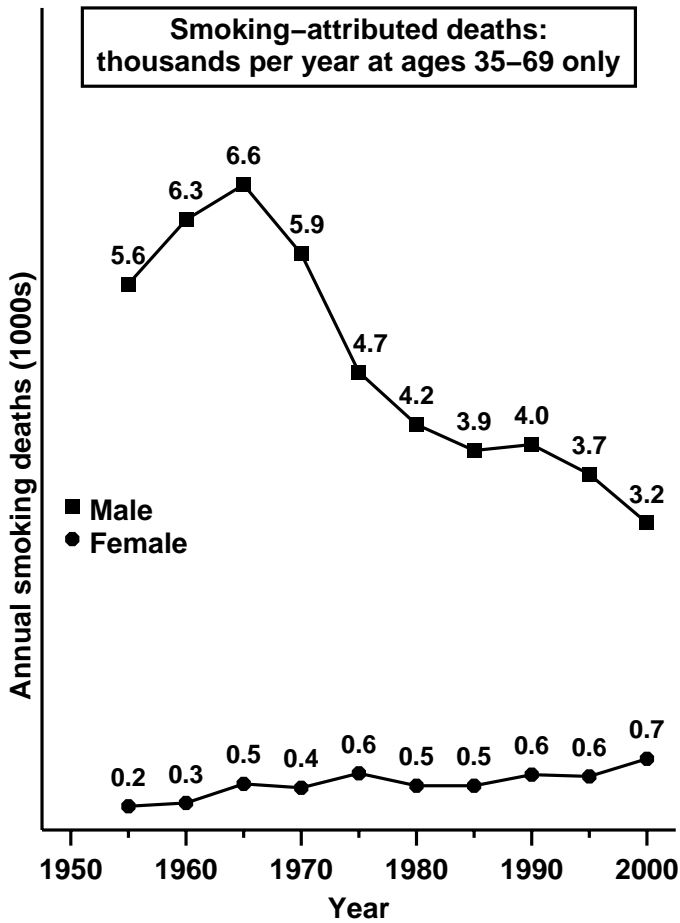
50-year total* (thousands), mid-1950 to mid-2000: 506 / 4461

1950-2000 by age & sex:

-/178	245/837 (29%)	195/1158 (17%)	440/2173	-/100	23/551 (4%)	44/1637 (3%)	67/2288
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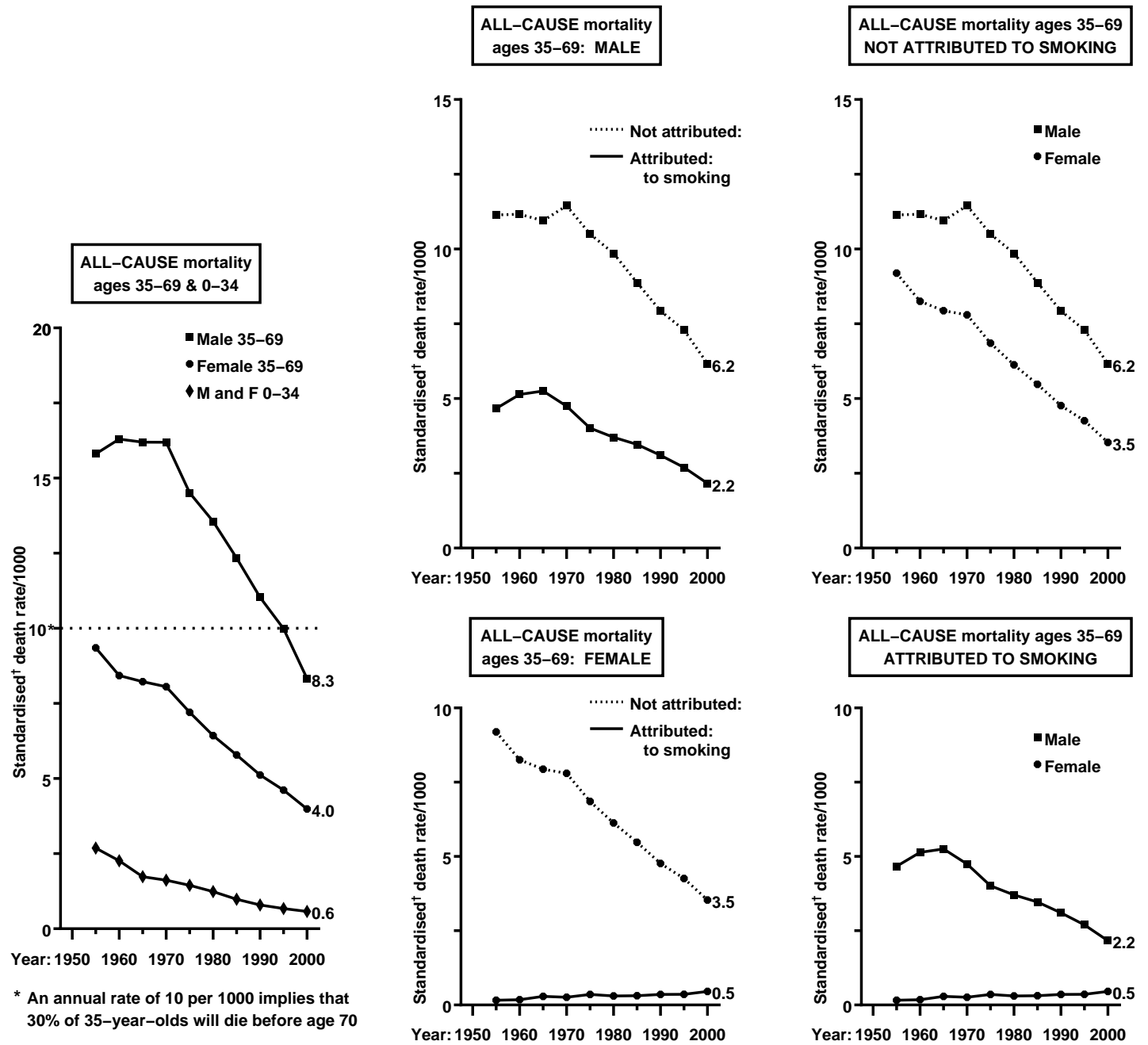
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: AUSTRIA



AUSTRIA: 1955-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

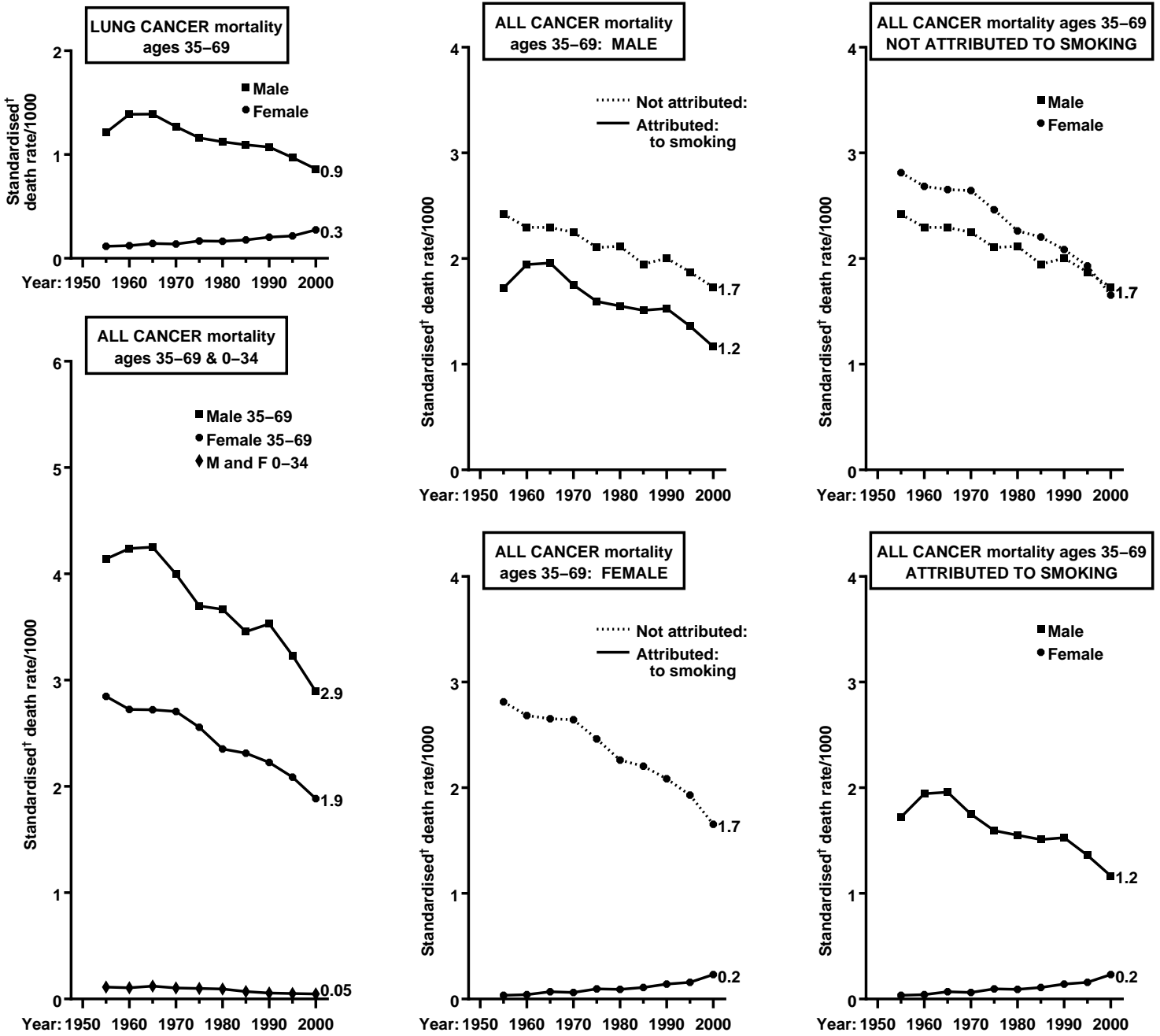


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	3.24	4.67	11.1	9.94	74.5	-	2.13	0.16	9.19	0.55	63.3				
1960	-	2.79	5.14	11.2	12.4	74.2	-	1.73	0.17	8.25	0.93	58.8				
1965	-	2.13	5.25	10.9	16.2	70.4	-	1.33	0.29	7.93	0.87	56.0				
1970	-	2.07	4.74	11.4	18.2	70.9	-	1.16	0.26	7.80	1.26	55.9				
1975	-	1.88	4.01	10.5	18.4	66.2	-	1.01	0.35	6.85	1.43	49.3				
1980	-	1.63	3.70	9.85	16.6	60.1	-	0.84	0.30	6.13	1.94	44.0				
1985	-	1.33	3.46	8.87	13.7	55.5	-	0.62	0.31	5.47	1.76	39.6				
1990	-	1.05	3.10	7.93	10.9	48.2	-	0.52	0.35	4.76	1.54	32.2				
1995	-	0.93	2.69	7.29	9.86	42.7	-	0.41	0.36	4.26	1.59	28.4				
2000	-	0.77	2.16	6.16	8.20	38.7	-	0.37	0.45	3.53	1.82	24.8				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000: AUSTRIA

Trends in ALL CANCER mortality attributed and not attributed to smoking



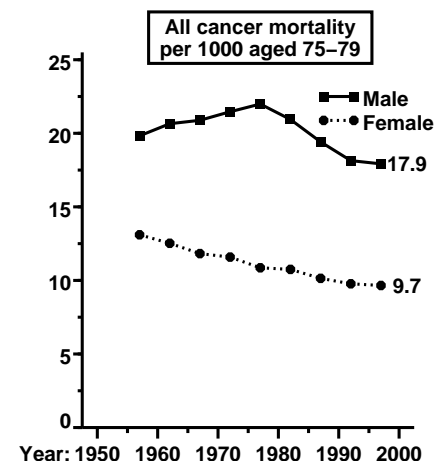
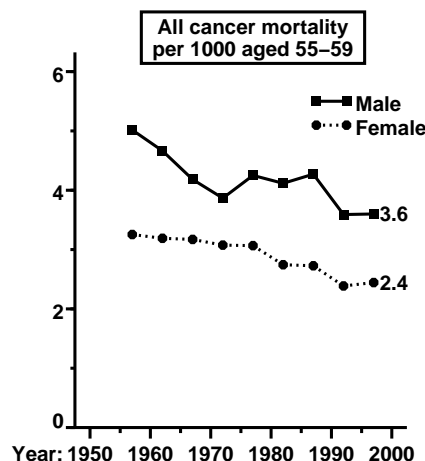
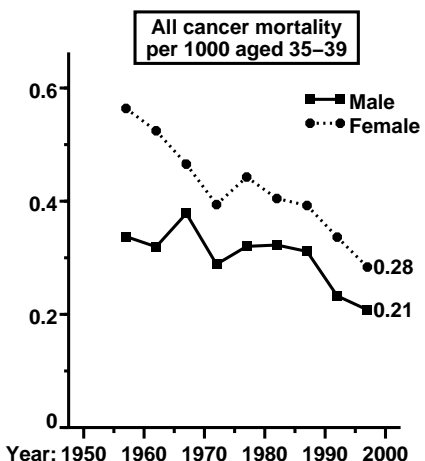
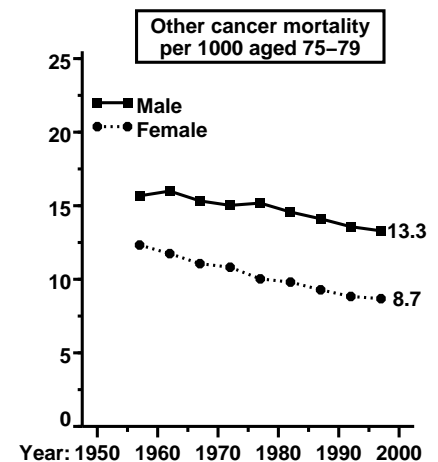
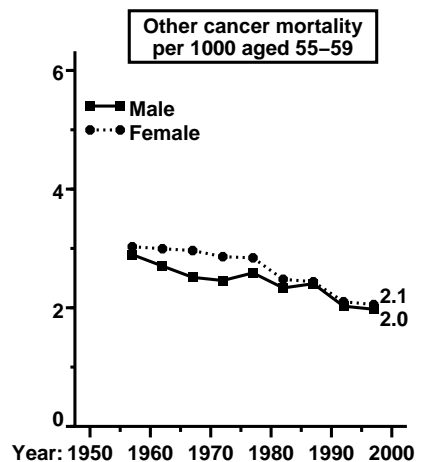
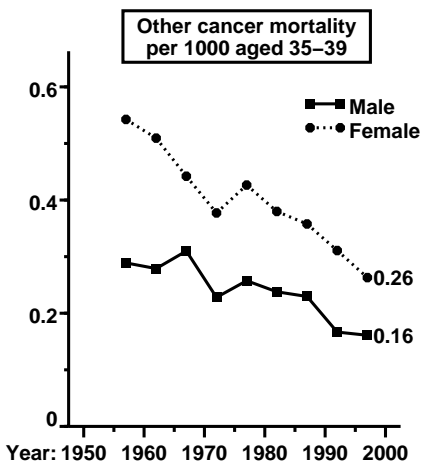
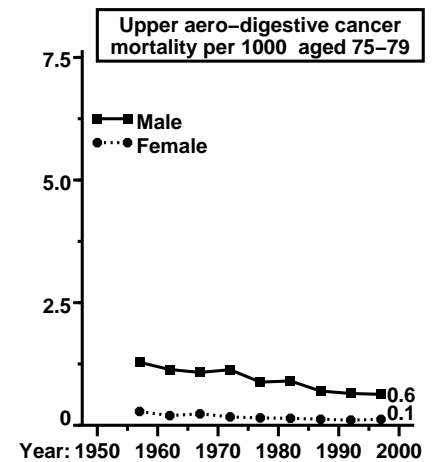
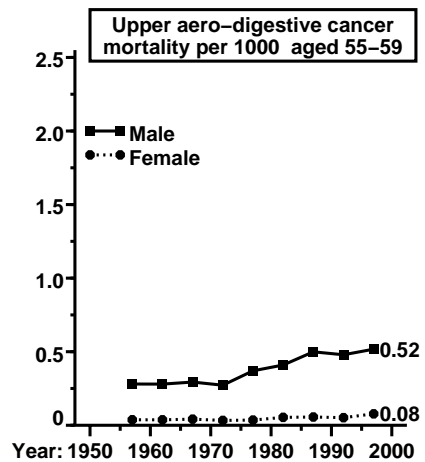
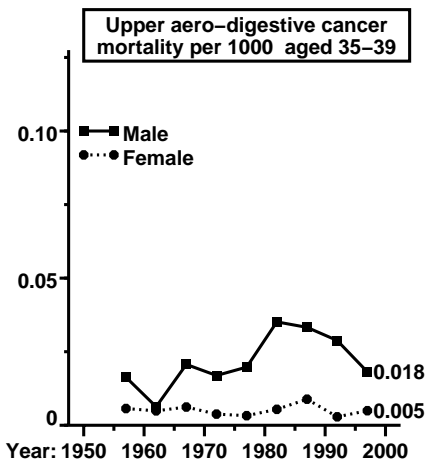
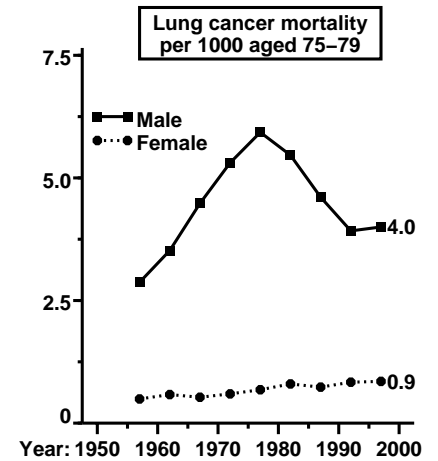
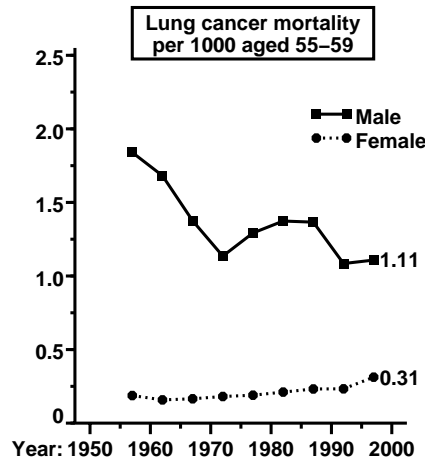
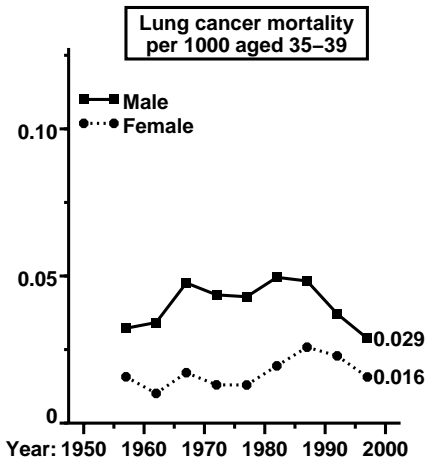
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	0.11	1.72	2.42	3.90	12.9	-	0.12	0.03	2.81	0.10	10.9	-	0.10	0.07	10.3
1960	-	0.10	1.94	2.30	4.98	13.2	-	0.11	0.04	2.68	0.21	10.7	-	0.11	0.07	10.3
1965	-	0.12	1.96	2.29	6.25	12.8	-	0.12	0.07	2.65	0.18	10.3	-	0.12	0.06	10.0
1970	-	0.12	1.75	2.25	6.78	12.5	-	0.09	0.06	2.64	0.25	10.0	-	0.09	0.10	9.17
1975	-	0.11	1.59	2.10	7.46	11.7	-	0.09	0.10	2.46	0.33	9.17	-	0.09	0.09	8.95
1980	-	0.10	1.55	2.12	7.18	11.5	-	0.09	0.09	2.26	0.53	8.95	-	0.09	0.11	8.51
1985	-	0.07	1.51	1.95	5.81	11.1	-	0.07	0.11	2.20	0.47	8.51	-	0.07	0.14	8.06
1990	-	0.06	1.53	2.00	5.20	11.0	-	0.06	0.14	2.08	0.51	8.06	-	0.06	0.16	7.70
1995	-	0.05	1.36	1.87	4.80	10.4	-	0.05	0.16	1.93	0.55	7.70	-	0.05	0.23	7.13
2000	-	0.05	1.17	1.73	4.15	9.78	-	0.04	0.23	1.65	0.70	7.13	-	0.04		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

AUSTRIA: 1955-2000

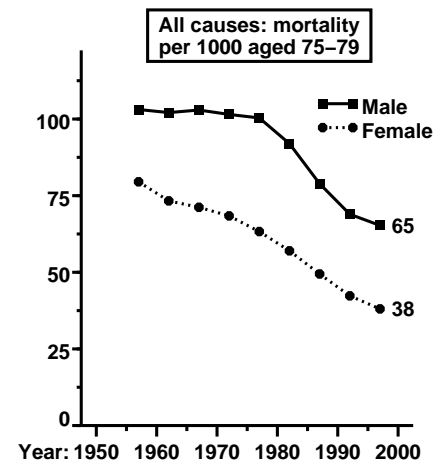
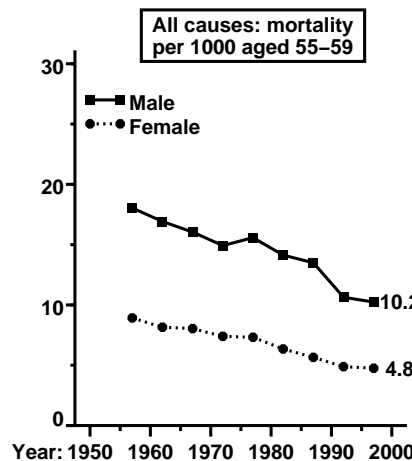
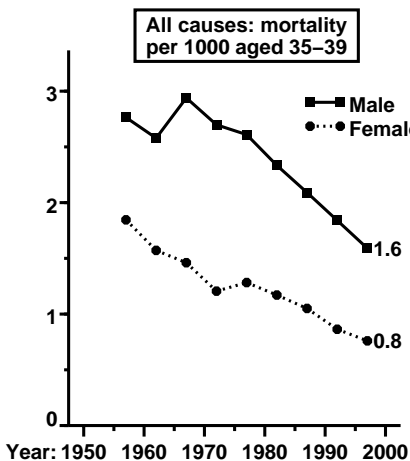
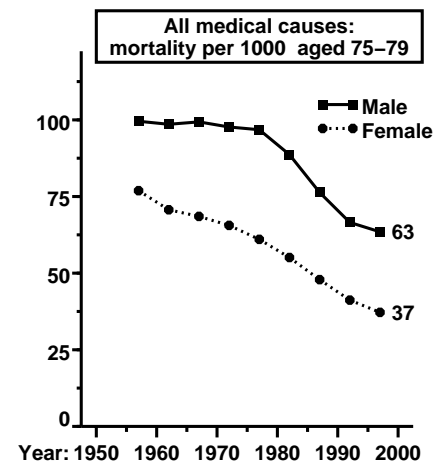
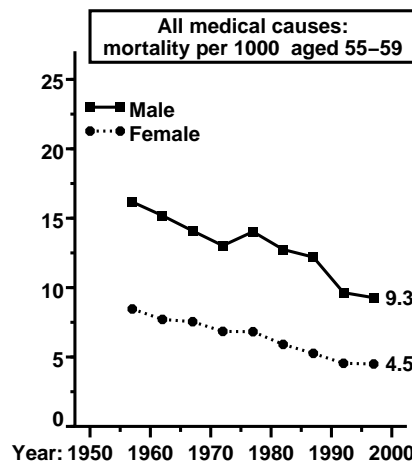
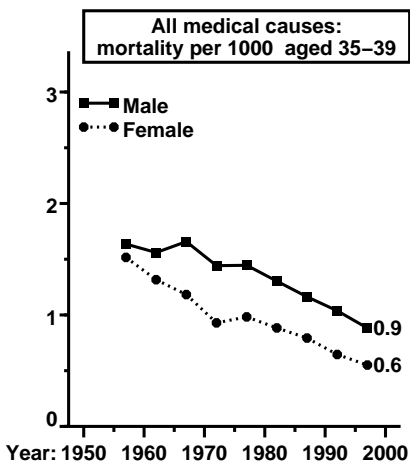
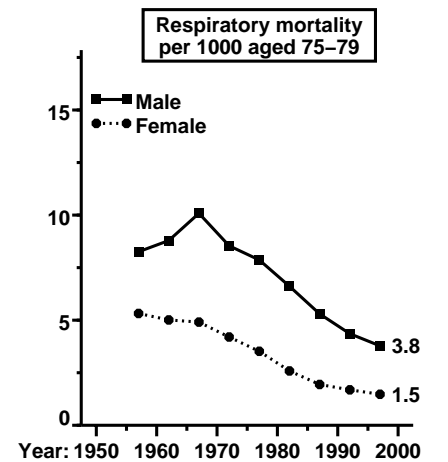
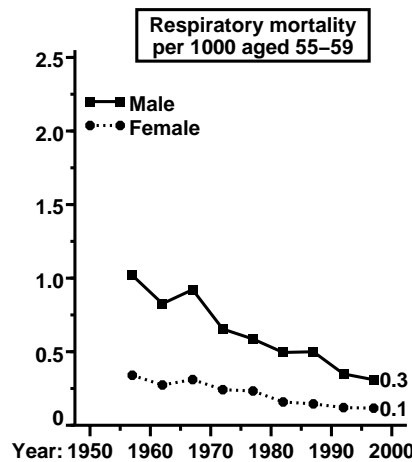
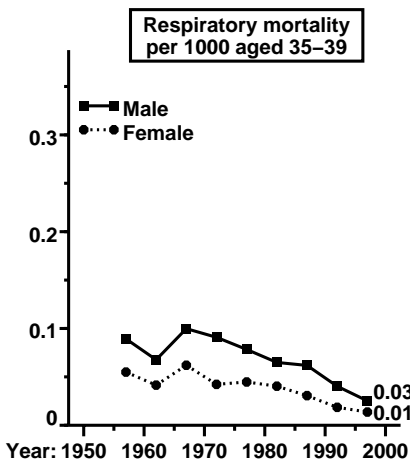
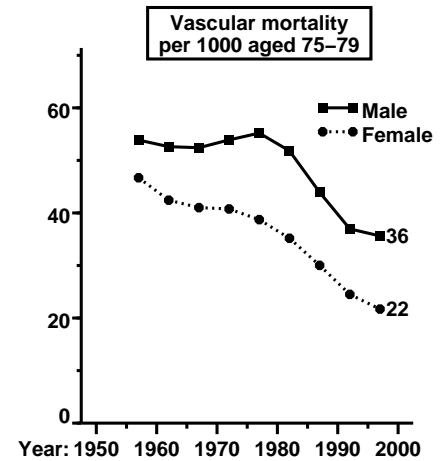
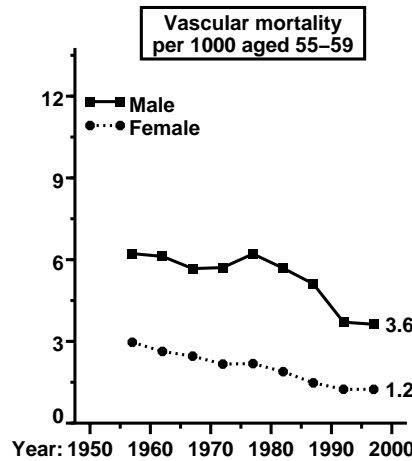
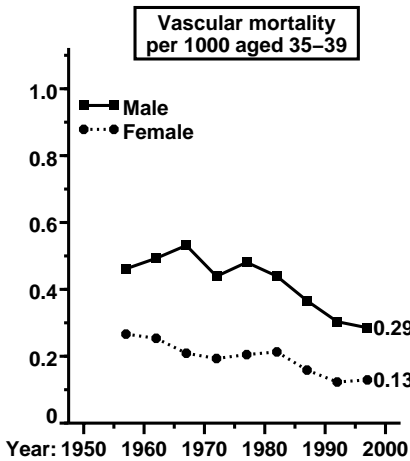
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1955-59,.....,1995-99; year 2000 on pages 62-63

1955-2000: AUSTRIA

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1955-59,.....,1995-99; year 2000 on pages 62-63

BELARUS: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	70202	5257	39126	1808.0	229.5	2354.2	295.5	28.8	36.5	104.4	277.2	355.5	508.8
	F	64665	1764	18020	900.9	84.8	853.8	228.0	19.5	21.5	48.2	67.7	85.2	123.4
Tuberculosis	M	626	79	501	14.0	3.3	25.5	-	-	-	-	3.6	6.3	13.5
	F	100	18	47	1.6	0.8	2.0	0.9	-	-	-	0.9	1.7	2.1
HIV	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other infective and parasitic	M	127	61	51	3.4	3.4	2.7	17.4	0.6	0.5	1.2	0.8	0.9	2.2
	F	99	43	38	2.4	2.7	1.7	16.5	-	0.2	0.8	0.9	0.3	-
ALL CANCER	M	11581	224	7534	280.7	9.4	484.8	5.3	3.2	3.5	5.7	8.8	16.5	22.4
	F	7857	196	4240	117.9	8.2	198.5	4.2	2.1	4.2	6.3	6.5	10.6	23.8
Mouth and pharynx cancer	M	578	3	463	14.3	0.1	28.4	-	-	-	-	-	-	0.9
	F	63	2	31	0.9	0.1	1.4	-	-	-	0.3	-	0.3	-
Oesophagus cancer	M	290	-	211	7.2	-	13.5	-	-	-	-	-	-	-
	F	42	1	15	0.6	0.0	0.6	-	-	-	-	-	-	0.3
Stomach cancer	M	1863	15	1208	45.2	0.6	78.4	-	-	-	0.2	-	0.6	3.7
	F	1265	17	585	17.9	0.7	27.6	-	-	-	-	0.9	2.0	2.1
Colorectal cancer	M	1125	11	618	28.4	0.5	40.4	-	-	-	-	-	1.4	1.8
	F	1116	5	502	15.6	0.2	23.8	-	-	-	0.3	-	0.3	0.9
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Larynx cancer	M	481	1	372	11.4	0.0	23.2	-	-	-	-	-	0.3	-
	F	13	-	9	0.2	-	0.5	-	-	-	-	-	-	-
Lung cancer	M	3319	10	2312	79.1	0.4	151.5	-	-	-	-	0.8	0.9	1.2
	F	388	4	184	5.5	0.2	8.7	-	-	-	-	0.3	0.6	0.3
Malignant melanoma	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Female breast cancer	M	1291	16	871	21.1	0.7	40.4	-	-	-	-	0.3	0.9	3.6
Cervix cancer	F	349	12	222	5.6	0.5	9.9	-	-	-	-	0.6	0.6	2.4
Other uterine cancer	F	366	5	214	5.5	0.2	10.2	-	-	-	-	0.3	0.3	0.9
Ovarian cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Prostate cancer	M	570	1	225	14.7	0.0	15.6	-	-	-	-	-	-	0.3
Bladder cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other and ill-defined cancer sites	M	2716	104	1756	65.8	4.4	111.3	3.1	1.3	2.3	2.4	3.3	7.4	10.8
	F	2382	84	1290	36.0	3.6	60.6	2.8	1.4	2.2	3.8	1.7	3.7	9.3
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and all lymphomas	M	325	42	200	7.3	1.8	11.9	1.3	0.6	0.5	1.0	2.8	4.0	2.2
	F	294	20	166	4.5	0.8	7.8	-	-	-	0.5	1.1	0.9	3.3
Leukaemia	M	314	37	169	7.3	1.5	10.4	0.9	1.3	0.7	2.1	1.9	2.0	1.5
	F	288	30	151	4.4	1.2	6.9	1.4	0.7	2.0	1.5	1.4	1.1	0.6
Diabetes	M	248	16	173	5.9	0.7	10.4	-	-	-	-	0.6	1.4	2.8
	F	425	23	214	6.2	0.9	10.3	-	-	0.2	0.3	1.1	2.6	2.4
ALL VASCULAR DISEASE	M	33595	418	17248	887.7	17.6	1096.6	0.9	0.3	1.2	3.3	14.3	35.0	67.9
	F	38806	131	9296	506.3	5.6	450.5	2.4	-	1.0	2.3	5.1	8.6	19.6
Rheumatic heart disease and fever	M	270	13	232	6.3	0.5	13.3	-	0.3	-	0.2	0.3	0.9	2.2
	F	314	7	230	5.2	0.3	10.9	-	-	-	-	0.3	0.9	0.9
Hypertensive disease	M	343	6	257	8.3	0.3	15.7	-	-	-	-	-	0.6	1.2
	F	387	1	200	5.7	0.0	9.8	-	-	-	-	-	-	0.3
Ischaemic heart disease	M	22718	173	11190	607.9	7.3	714.0	-	-	-	-	5.0	15.1	31.4
	F	24776	40	5043	318.2	1.7	245.6	-	-	-	0.3	0.3	3.2	8.1
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	7848	74	4094	204.7	3.1	266.5	-	-	0.2	0.7	3.6	4.5	12.6
	F	11479	40	3210	150.9	1.6	155.8	-	-	0.5	0.5	2.8	2.3	5.4
Other vascular disease, incl. venous	M	2416	152	1475	60.5	6.3	87.2	0.9	-	0.9	2.4	5.5	13.9	20.6
	F	1850	43	613	26.3	1.9	28.6	2.4	-	0.5	1.5	1.7	2.3	4.8
Chronic obstructive pulmonary disease	M	3718	25	1728	99.5	1.2	116.0	2.2	-	-	-	0.6	2.8	2.5
	F	1885	16	421	24.6	0.7	20.1	0.9	0.3	-	1.3	0.6	1.1	0.6
Other respiratory disease	M	826	117	593	20.4	6.1	32.2	25.0	-	0.7	1.0	2.8	3.7	9.5
	F	257	65	101	5.0	3.8	4.6	20.8	0.7	-	0.8	0.9	1.1	2.7
Peptic ulcer	M	268	7	194	6.6	0.3	11.4	-	-	-	0.2	-	0.6	1.2
	F	104	1	38	1.4	0.0	1.9	-	-	-	-	0.3	-	-
Liver cirrhosis & some other digestive	M	903	42	748	20.7	1.8	41.9	0.4	-	0.2	-	1.1	3.4	7.4
	F	592	17	451	10.4	0.7	21.1	-	-	0.5	-	0.3	1.7	2.4
Renal disease	M	440	30	300	10.8	1.2	17.5	0.9	-	0.2	1.0	2.5	1.4	2.8
	F	460	26	259	7.3	1.1	12.3	-	-	0.2	0.3	1.7	2.9	2.4
Pregnancy, birth Congenital and perinatal causes	M	20	14	6	0.4	0.6	0.2	-	-	-	0.3	0.9	1.4	1.5
	F	444	415	26	14.6	25.2	1.4	163.1	2.3	1.9	2.1	2.8	2.3	2.2
Ill-defined causes	M	298	276	20	10.2	17.8	0.8	115.7	1.7	1.7	1.8	1.4	0.9	1.2
	F	3174	140	705	127.1	6.4	38.4	13.4	1.0	0.2	1.7	6.1	11.1	11.7
	F	9024	52	219	123.9	2.7	10.3	9.9	0.3	1.2	0.5	1.1	2.3	3.3
Other medical causes	M	1831	293	1145	43.3	12.6	63.7	15.2	6.8	6.1	8.1	8.5	17.3	26.4
	F	1346	154	675	22.0	7.3	31.1	17.0	4.1	2.4	4.5	3.4	8.3	11.1
ALL NON- MEDICAL CAUSES	M	12421	3390	8180	273.3	140.3	411.8	51.7	14.6	22.0	80.1	224.8	252.9	336.3
	F	3392	732	1995	61.3	31.9	88.5	39.7	10.3	9.8	29.3	42.6	41.6	50.3
Motor vehicle traffic accidents	M	1137	502	558	23.9	20.2	26.9	2.7	2.6	4.9	16.4	40.8	37.8	36.0
	F	391	142	186	7.1	5.9	8.2	3.8	3.4	2.0	9.3	8.8	7.7	6.3
Fire	M	499	94	358	11.3	4.2	18.8	6.2	2.3	0.2	1.2	3.6	6.5	9.5
	F	152	25	74	2.6	1.3	3.4	3.8	1.7	1.2	-	0.3	0.9	0.9
Suicide	M	2985	834	1928	64.7	33.8	97.1	-	-	4.7	20.7	60.4	67.9	82.7
	F	506	96	293	8.6	3.9	12.7	-	-	1.5	3.3	6.5	5.7	10.2
Homicide	M	755	257	450	16.2	10.5	21.3	1.3	-	0.5	6.2	17.4	20.7	27.7
	F	384	101	229	7.0	4.3	9.8	3.3	0.3	1.2	3.3	7.7	8.0	6.0
POPULATION: (1000s; UN, 2002 revision)			M=male		4709.1	2419.7	2020.0	224.4	308.5	427.3	419.7	362.6	351.9	325.3
			F=female		5324.6	2341.8	2352.6	211.8	292.6	408.5	396.3	351.7	348.6	332.3

2000: BELARUS

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
614.5	881.8	1197.8	2048.3	2763.3	3940.9	5032.6	6925.6	9416.6	20019.6	M	ALL CAUSES	001-999/A00-Y89
159.1	249.9	369.1	666.9	918.4	1379.6	2233.7	3508.1	6145.1	15715.5	F		
14.8	25.3	27.5	35.1	27.9	30.2	17.6	16.7	12.4	26.9	M	Tuberculosis	010-018/A15-A19
1.9	1.6	2.6	1.1	2.5	3.3	0.7	4.7	7.0	5.5	F		
...	...	...	...	...	...	...	...	...	...	M	HIV	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
1.7	1.5	2.5	4.2	2.1	4.7	2.1	3.2	8.3	9.8	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.5	0.9	2.0	1.5	2.5	2.4	2.1	3.7	3.2	0.7	F		
37.9	73.8	164.7	402.2	624.7	928.9	1161.2	1426.9	1471.7	1295.8	M	ALL CANCER	140-208/C00-C97
42.5	74.8	114.8	191.7	222.3	319.4	424.1	530.6	586.7	511.6	F		
1.5	6.2	16.3	42.8	44.3	51.9	35.8	39.7	51.0	31.8	M	Mouth and pharynx cancer	140-149/C00-C14
0.5	0.5	0.8	2.3	0.4	3.0	2.5	4.7	5.4	4.1	F		
-	0.5	7.3	18.2	16.9	22.6	29.4	30.1	23.4	36.7	M	Oesophagus cancer	150/C15
-	-	1.3	0.4	-	1.8	1.1	2.7	5.9	4.8	F		
6.1	13.4	22.2	60.5	93.3	141.7	212.0	230.8	262.1	220.0	M	Stomach cancer	151/C16
4.1	9.6	13.0	24.6	26.6	44.2	71.1	99.3	118.3	100.5	F		
2.4	5.7	9.8	27.9	40.6	81.3	115.3	157.7	204.1	249.4	M	Colorectal cancer	153, 154/C18-C21
2.6	6.8	9.0	15.5	27.9	46.0	59.1	90.2	107.6	95.8	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pancreas cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
1.9	3.5	10.9	25.0	26.9	51.1	43.2	46.2	34.5	26.9	M	Larynx cancer	161/C32
-	-	0.3	0.8	0.8	0.3	1.1	1.0	0.5	-	F		
4.1	15.6	44.9	107.1	220.3	312.3	356.1	426.3	336.6	215.2	M	Lung cancer	162/C33, C34
1.0	1.9	5.6	5.3	10.1	13.6	23.6	26.9	38.0	33.5	F		
...	...	...	...	...	...	...	...	...	...	M	Malignant melanoma	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
10.0	18.1	33.0	54.1	50.3	57.8	59.8	70.0	63.2	53.4	F	Female breast cancer	174/C50
4.8	6.3	12.3	9.8	12.3	10.6	13.0	15.8	20.9	19.8	F	Cervix cancer	180/C53
1.4	1.9	3.3	11.0	9.7	20.0	24.3	23.9	24.6	20.5	F	Other uterine cancer	179, 182/C54, C55
...	...	...	...	...	...	...	...	...	...	F	Ovarian cancer	Not given separately
0.5	-	0.3	6.4	15.3	31.1	56.1	110.9	142.1	166.3	M	Prostate cancer	185/C61
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Bladder cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
13.1	22.1	44.0	98.2	140.7	196.6	264.3	305.8	349.0	308.1	M	Other and ill-defined cancer sites	Rest of 140-199/rest of C00-C80, C97
12.2	23.0	31.2	53.7	70.6	99.5	134.1	158.5	161.7	160.7	F		
...	...	...	...	...	...	...	...	...	...	M	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
3.4	4.7	6.5	8.5	15.8	22.1	22.4	38.5	24.8	12.2	M	Myeloma and all lymphomas	200-203 incl 201/C81-C90, C96
2.1	4.2	2.3	7.9	7.6	11.8	18.3	18.5	19.8	10.9	F		
4.9	2.2	2.5	7.6	10.5	18.3	26.7	41.0	44.1	29.3	M	Leukaemia	204-208/C91-C95
3.8	2.6	2.8	6.4	5.9	10.9	16.2	19.2	20.9	7.5	F		
3.4	2.5	5.6	12.3	9.0	16.2	24.0	21.2	22.1	24.4	M	Diabetes	250/E10-E14
1.0	2.1	2.0	8.3	9.7	20.9	27.8	31.6	36.9	17.1	F		
130.9	234.1	405.0	801.4	1233.5	2020.0	2851.0	4294.9	6477.2	11083.1	M	ALL VASCULAR DISEASE	390-459/I00-I99
27.2	56.0	102.6	252.6	437.4	789.5	1488.6	2589.5	4814.2	8679.9	F		
3.2	7.4	9.5	16.1	22.7	21.7	12.3	12.2	5.5	4.9	M	Rheumatic heart disease and fever	390-398/I00-I09
0.7	3.0	7.4	10.2	15.2	20.6	19.0	16.5	11.2	4.8	F		
2.9	5.5	6.5	18.6	24.8	26.0	25.6	29.5	33.1	24.4	M	Hypertensive disease	401-405/I10-I15
0.5	2.3	3.3	6.4	14.8	14.5	26.4	17.2	36.4	45.8	F		
78.9	145.9	258.6	510.6	774.9	1321.7	1907.1	2962.8	4677.2	8171.1	M	Ischaemic heart disease	410-414/I20-I25
7.9	20.6	38.6	108.5	222.7	441.0	879.6	1638.3	3144.5	6121.8	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
20.2	38.7	82.2	177.4	291.5	500.9	754.4	1070.5	1435.9	2369.2	M	Cerebrovascular disease	430-438/I60-169
8.3	19.9	38.6	100.2	152.6	265.6	505.1	824.7	1442.2	2109.4	F		
25.7	36.7	48.2	78.7	119.7	149.8	151.6	219.9	325.5	513.4	M	Other vascular disease, incl. venous	Rest of 390-459/rest of I00-I99
9.8	10.1	14.6	27.2	32.1	47.8	58.4	92.9	179.9	398.1	F		
4.4	10.9	21.3	54.2	116.5	226.8	378.0	551.9	740.7	1386.3	M	Chronic obstructive pulmonary disease	470-478, 490-519/J30-J98
1.7	2.6	5.6	10.2	13.9	38.1	68.6	108.3	240.4	463.1	F		
14.6	21.3	29.5	40.2	42.7	45.5	31.5	33.3	31.7	100.2	M	Other respiratory disease	460-466, 480-487/J00-J22
3.8	2.6	2.6	6.8	4.2	4.5	7.4	12.8	11.8	21.2	F		
3.4	6.2	6.5	10.6	15.8	15.3	21.9	21.2	19.3	48.9	M	Peptic ulcer	531-533/K25-K27
-	0.2	0.3	0.8	3.0	3.6	5.3	6.7	10.2	17.8	F		
16.0	24.3	29.5	49.5	51.1	73.6	49.1	46.8	37.2	31.8	M	Liver cirrhosis & some other digestive	570-3, 575.2-579.9/K70-K77, K82-K92
4.1	11.7	16.9	27.6	33.4	26.3	27.8	18.2	25.7	15.0	F		
3.9	8.2	12.9	18.2	25.8	26.4	27.2	27.6	56.6	63.6	M	Renal disease	580-590/N00-N19
2.9	4.9	6.1	9.8	22.0	18.1	22.5	28.3	27.3	27.4	F		
1.2	0.2	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
0.2	1.7	1.1	2.5	1.6	0.9	1.6	1.9	-	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.0	1.6	0.3	1.1	0.4	0.9	0.4	0.7	-	-	F		
19.2	22.5	35.9	41.1	42.7	59.6	47.5	71.8	164.1	5129.6	M	Ill-defined causes	780-799/R00-R99
3.1	4.0	7.9	11.7	17.8	15.7	11.6	32.3	189.5	5679.2	F		
29.9	40.9	48.2	58.8	72.2	89.8	105.7	123.7	133.8	251.8	M	Other medical causes	Rest of 001-799/rest of A00-R99
10.3	18.1	20.2	38.2	32.1	40.5	58.1	63.6	87.3	112.9	F		
334.2	408.6	407.6	517.8	497.6	403.0	313.9	284.6	241.4	567.2	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
58.2	68.5	85.2	105.5	117.1	96.2	88.7	77.1	104.9	164.2	F		
27.7	35.2	25.5	30.1	29.0	17.0	24.0	26.3	23.4	46.5	M	Motor vehicle traffic accidents	E810-E819/part of V01-V99
7.6	4.9	6.1	10.6	7.2	9.1	12.0	7.1	9.6	16.4	F		
12.6	16.8	13.5	22.4	19.5	25.5	21.4	14.7	17.9	26.9	M	Fire	E890-E899/X00-X09
1.7	1.2	2.0	3.8	3.8	5.7	5.6	5.7	12.3	8.9	F		
82.6	94.4	96.5	113.9	119.1	91.1	82.2	81.4	67.6	114.9	M	Suicide	E950-E959/X60-X84
8.8	11.7	12.0	13.6	12.7	15.1	15.1	16.5	16.1	26.0	F		
25.5	23.8	24.7	23.3	21.6	17.0	13.3	15.4	9.7	41.6	M	Homicide	E960-E969/X85-X99, Y00-Y09
8.1	8.2	12.5	11.3	10.1	9.7	8.8	7.1	8.0	12.3	F		
411.7	403.6	356.5	236.2	189.7	235.0	187.3	156.0	72.5	40.9	M	POPULATION	
419.3	426.5	391.0	264.5	236.6	330.6	284.1	297.2	186.8	146.2	F	(1000s; UN, 2002 revision)	

BELARUS: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5838	241	14	8	219	38	190	492	37	1333	3507
35-69	Sm.	14795	4554	2675	858	1021	1634	207	7000	-	1400	-
	Total	40483 (37%)	8557 (53%)	2816 (95%)	1150 (75%)	4591 (22%)	1957 (83%)	465 (45%)	17944 (39%)	565	3260 (43%)	7735
70+	Sm.	3984	964	632	123	209	1182	6	1379	-	453	-
	Total	22459 (18%)	2764 (35%)	705 (90%)	218 (56%)	1841 (11%)	1703 (69%)	55 (11%)	12350 (11%)	64	4984 (9%)	539
Any age	Sm.	18779	5518	3307	981	1230	2816	213	8379	-	1853	-
	Total	68780 (27%)	11562 (48%)	3537 (94%)	1376 (71%)	6651 (18%)	3698 (76%)	710 (30%)	30786 (27%)	666	9577 (19%)	11781
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5257	224	10	4	210	25	117	418	42	1041	3390
35-69	Sm.	12851	3784	2184	754	846	1414	244	6171	-	1238	-
	Total	39126 (33%)	7534 (50%)	2312 (94%)	1046 (72%)	4176 (20%)	1728 (82%)	593 (41%)	17248 (36%)	748	3095 (40%)	8180
70+	Sm.	4811	1345	893	168	284	1335	15	1862	-	254	-
	Total	25819 (19%)	3823 (35%)	997 (90%)	299 (56%)	2527 (11%)	1965 (68%)	116 (13%)	15929 (12%)	113	3022 (8%)	851
Any age	Sm.	17662	5129	3077	922	1130	2749	259	8033	-	1492	-
	Total	70202 (25%)	11581 (44%)	3319 (93%)	1349 (68%)	6913 (16%)	3718 (74%)	826 (31%)	33595 (24%)	903	7158 (21%)	12421

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	4817.6	2614.0	1998.6	426.1	372.8	257.7	216.2	276.4	238.0	211.4	106.4	40.5	58.1
2000	4709.1	2419.7	2020.0	411.7	403.6	356.5	236.2	189.7	235.0	187.3	156.0	72.5	40.9
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	68780	5838	40483	2677	3304	3886	4387	7581	8561	10087	7043	4474	10942
2000	70202	5257	39126	2530	3559	4270	4838	5242	9261	9426	10804	6827	8188
Lung cancer													
1995	3535	14	2816	23	72	146	316	641	800	818	419	164	122
2000	3319	10	2312	17	63	160	253	418	734	667	665	244	88
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	1801.8*	231.2*	2309.0*	628.3	886.3	1508.0	2029.1	2742.8	3597.1	4771.5	6619.4	11046.9	18833.0
2000	1808.0*	229.5*	2354.2*	614.5	881.8	1197.8	2048.3	2763.3	3940.9	5032.6	6925.6	9416.6	20019.6
All cancer													
1995	289.3*	9.3*	508.0*	46.0	89.9	228.9	426.5	653.4	920.2	1191.1	1351.5	1681.5	1110.2
2000	280.7*	9.4*	484.8*	37.9	73.8	164.7	402.2	624.7	928.9	1161.2	1426.9	1471.7	1295.8
Lung cancer													
1995	86.5*	0.5*	168.9*	5.4	19.3	56.7	146.2	231.9	336.1	386.9	393.8	404.9	210.0
2000	79.1*	0.4*	151.5*	4.1	15.6	44.9	107.1	220.3	312.3	356.1	426.3	336.6	215.2
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	34.0*	0.3*	67.1*	5.9	16.4	50.4	85.1	99.1	100.4	112.1	119.4	101.2	86.1
2000	32.9*	0.2*	65.1*	3.4	10.2	34.5	85.9	88.0	125.5	108.4	116.0	109.0	95.4
Other cancer													
1995	168.8*	8.5*	272.0*	34.7	54.2	121.8	195.2	322.4	483.6	692.1	838.3	1175.3	814.1
2000	168.6*	8.8*	268.1*	30.4	48.1	85.3	209.1	316.3	491.1	696.7	884.6	1026.2	985.3
Chronic obstructive pulmonary disease (COPD)													
1995	102.5*	1.5*	118.6*	6.3	11.5	33.8	60.6	137.5	231.1	349.6	580.8	879.0	1254.7
2000	99.5*	1.2*	116.0*	4.4	10.9	21.3	54.2	116.5	226.8	378.0	551.9	740.7	1386.3
Other respiratory disease													
1995	17.0*	8.3*	25.2*	10.1	15.8	25.6	32.8	35.5	32.4	24.1	22.6	24.7	36.1
2000	20.4*	6.1*	32.2*	14.6	21.3	29.5	40.2	42.7	45.5	31.5	33.3	31.7	100.2
Vascular disease													
1995	841.3*	18.5*	1057.0*	140.3	267.2	535.9	802.5	1232.3	1813.0	2607.9	3875.9	6879.0	9363.2
2000	887.7*	17.6*	1096.6*	130.9	234.1	405.0	801.4	1233.5	2020.0	2851.0	4294.9	6477.2	11083.1
Liver cirrhosis and some other digestive													
1995	15.6*	1.4*	31.5*	10.1	17.2	27.9	34.7	37.6	41.6	51.1	31.0	42.0	24.1
2000	20.7*	1.8*	41.9*	16.0	24.3	29.5	49.5	51.1	73.6	49.1	46.8	37.2	31.8
Other medical causes													
1995	278.6*	56.6*	179.0*	76.7	104.3	170.4	196.6	204.1	215.1	285.7	522.6	1251.9	6748.7
2000	225.7*	53.2*	170.9*	76.5	108.8	140.3	182.9	197.2	243.0	247.7	287.2	416.6	5555.0
All non-medical causes													
1995	257.5*	135.7*	389.7*	338.7	380.4	485.4	475.5	442.5	343.7	262.1	235.0	288.9	296.0
2000	273.3*	140.3*	411.8*	334.2	408.6	407.6	517.8	497.6	403.0	313.9	284.6	241.4	567.2

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: BELARUS

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2065	260	4	3	253	16	97	126	11	809	746
35-69	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	19500 (0%)	4592 (0%)	222 (0%)	72 (0%)	4298 (0%)	536 (0%)	107 (0%)	10099 (0%)	309	1882 (0%)	1975
70+	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	43430 (0%)	3018 (0%)	213 (0%)	76 (0%)	2729 (0%)	1532 (0%)	80 (0%)	24936 (0%)	103	13197 (0%)	564
Any age	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	64995 (0%)	7870 (0%)	439 (0%)	151 (0%)	7280 (0%)	2084 (0%)	284 (0%)	35161 (0%)	423	15888 (0%)	3285
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1764	196	4	3	189	16	65	131	17	607	732
35-69	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	18020 (0%)	4240 (0%)	184 (0%)	55 (0%)	4001 (0%)	421 (0%)	101 (0%)	9296 (0%)	451	1516 (0%)	1995
70+	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	44881 (0%)	3421 (0%)	200 (0%)	60 (0%)	3161 (0%)	1448 (0%)	91 (0%)	29379 (0%)	124	9753 (0%)	665
Any age	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	64665 (0%)	7857 (0%)	388 (0%)	118 (0%)	7351 (0%)	1885 (0%)	257 (0%)	38806 (0%)	592	11876 (0%)	3392

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	5434.8	2551.6	2351.1	434.4	387.8	272.1	245.7	346.5	318.3	346.3	236.9	110.8	184.4
2000	5324.6	2341.8	2352.6	419.3	426.5	391.0	264.5	236.6	330.6	284.1	297.2	186.8	146.2
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	64995	2065	19500	715	937	1295	1616	3353	4496	7088	8618	7254	27558
2000	64665	1764	18020	667	1066	1443	1764	2173	4561	6346	10426	11479	22976
Lung cancer													
1995	439	4	222	2	6	8	13	44	56	93	94	56	63
2000	388	4	184	4	8	22	14	24	45	67	80	71	49
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	902.1*	86.4*	852.4*	164.6	241.6	475.9	657.7	967.7	1412.5	2046.8	3637.8	6546.9	14944.7
2000	900.9*	84.8*	853.8*	159.1	249.9	369.1	666.9	918.4	1379.6	2233.7	3508.1	6145.1	15715.5
All cancer													
1995	123.8*	9.9*	202.3*	36.1	69.1	140.8	177.9	266.4	318.3	407.5	566.9	731.9	468.5
2000	117.9*	8.2*	198.5*	42.5	74.8	114.8	191.7	222.3	319.4	424.1	530.6	586.7	511.6
Lung cancer													
1995	6.4*	0.2*	9.6*	0.5	1.5	2.9	5.3	12.7	17.6	26.9	39.7	50.5	34.2
2000	5.5*	0.2*	8.7*	1.0	1.9	5.6	5.3	10.1	13.6	23.6	26.9	38.0	33.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	2.3*	0.1*	3.2*	0.5	1.3	1.1	3.3	3.2	6.0	6.9	10.6	17.1	17.4
2000	1.7*	0.1*	2.5*	0.5	0.5	2.3	3.4	1.3	5.1	4.6	8.4	11.8	8.9
Other cancer													
1995	115.1*	9.6*	189.5*	35.2	66.3	136.7	169.3	250.5	294.7	373.7	516.7	664.3	417.0
2000	110.7*	8.0*	187.3*	41.0	72.5	106.9	183.0	210.9	300.7	396.0	495.3	536.9	469.2
Chronic obstructive pulmonary disease (COPD)													
1995	27.8*	0.6*	23.5*	1.8	2.1	8.5	17.1	19.6	43.4	71.9	141.8	250.0	498.4
2000	24.6*	0.7*	20.1*	1.7	2.6	5.6	10.2	13.9	38.1	68.6	108.3	240.4	463.1
Other respiratory disease													
1995	5.5*	4.6*	4.7*	2.3	3.4	3.7	5.3	2.6	6.9	8.7	10.6	18.1	19.0
2000	5.0*	3.8*	4.6*	3.8	2.6	2.6	6.8	4.2	4.5	7.4	12.8	11.8	21.2
Vascular disease													
1995	474.3*	4.9*	439.6*	29.9	54.9	143.3	273.9	459.7	805.2	1310.1	2506.5	4410.6	7652.4
2000	506.3*	5.6*	450.5*	27.2	56.0	102.6	252.6	437.4	789.5	1488.6	2589.5	4814.2	8679.9
Liver cirrhosis and some other digestive													
1995	7.1*	0.4*	13.6*	5.3	6.7	8.5	15.1	22.2	19.8	17.3	19.4	24.4	16.3
2000	10.4*	0.7*	21.1*	4.1	11.7	16.9	27.6	33.4	26.3	27.8	18.2	25.7	15.0
Other medical causes													
1995	204.4*	36.2*	82.4*	32.5	33.8	70.6	69.6	89.8	130.1	150.7	311.5	1014.4	6147.0
2000	175.4*	33.8*	70.5*	21.7	33.8	41.4	72.6	90.0	105.6	128.5	171.6	361.3	5860.5
All non-medical causes													
1995	59.4*	29.9*	86.4*	56.6	71.7	100.7	98.9	107.4	88.9	80.6	81.0	97.5	143.2
2000	61.3*	31.9*	88.5*	58.2	68.5	85.2	105.5	117.1	96.2	88.7	77.1	104.9	164.2

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

BELARUS: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 5.3	– / 1.8	–
35–69	13 / 39	0.0 / 18	19 years
70+	4.8 / 26	0.0 / 45	9 years
All ages	18 / 70	0.0 / 65	16 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

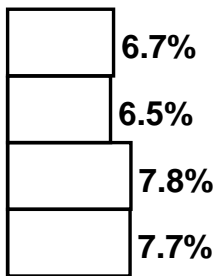
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	2.2/2.3	0.9/1.0	3.1/3.3	–/0.0	0.0/0.2	0.0/0.2	0.0/0.4
All Cancer	–/0.2	3.8/7.5 (50%)	1.3/3.8 (35%)	5.1/12	–/0.2	0.0/4.2 (0%)	0.0/3.4 (0%)	0.0/7.9
Vascular	–/0.4	6.2/17	1.9/16	8.0/34	–/0.1	0.0/9.3	0.0/29	0.0/39
Respiratory	–/0.1	1.7/2.3	1.4/2.1	3.0/4.5	–/0.1	0.0/0.5	0.0/1.5	0.0/2.1
All Other	–/4.5	1.2/12	0.3/4.0	1.5/20	–/1.4	0.0/4.0	0.0/11	0.0/16
All Causes	–/5.3	13/39 (33%)	4.8/26 (19%)	18/70	–/1.8	0.0/18 (0%)	0.0/45 (0%)	0.0/65

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	5.1 / 12 (44%)	0.0 / 7.9 (0%)	5.1 / 19 (26%)
All Causes	18 / 70 (25%)	0.0 / 65 (0%)	18 / 135 (13%)

1985-2000: BELARUS

Population risk of dying at ages 0–34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

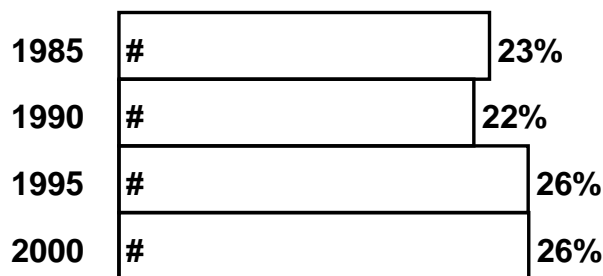
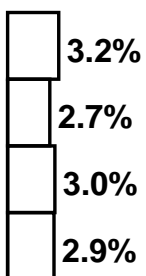
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 56 would die before age 70 (with 19 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

BELARUS: 1980-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/5.6	9.0/24 (38%)	3.3/22 (15%)	12/51	-/2.6	0.0/14	0.0/38	0.0/55
1990	-/5.4	11/29 (38%)	3.1/20 (16%)	14/53	-/2.1	0.2/16	0.1/38	0.4/56
1995	-/5.8	15/40 (37%)	4.0/22 (18%)	19/69	-/2.1	0.0/20	0.0/43	0.0/65
2000	-/5.3	13/39 (33%)	4.8/26 (19%)	18/70	-/1.8	0.0/18	0.0/45	0.0/65

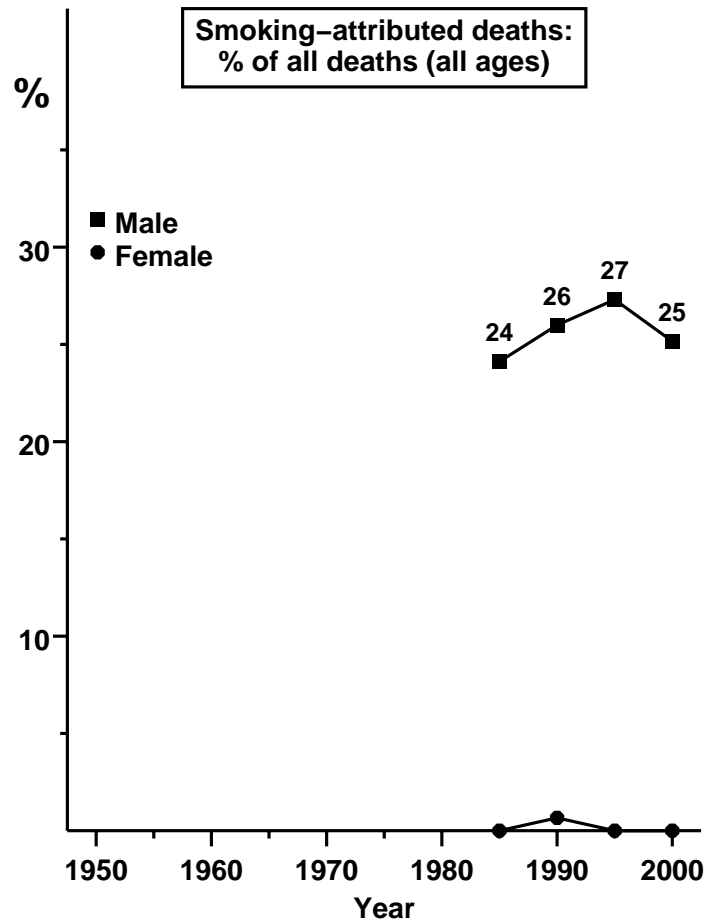
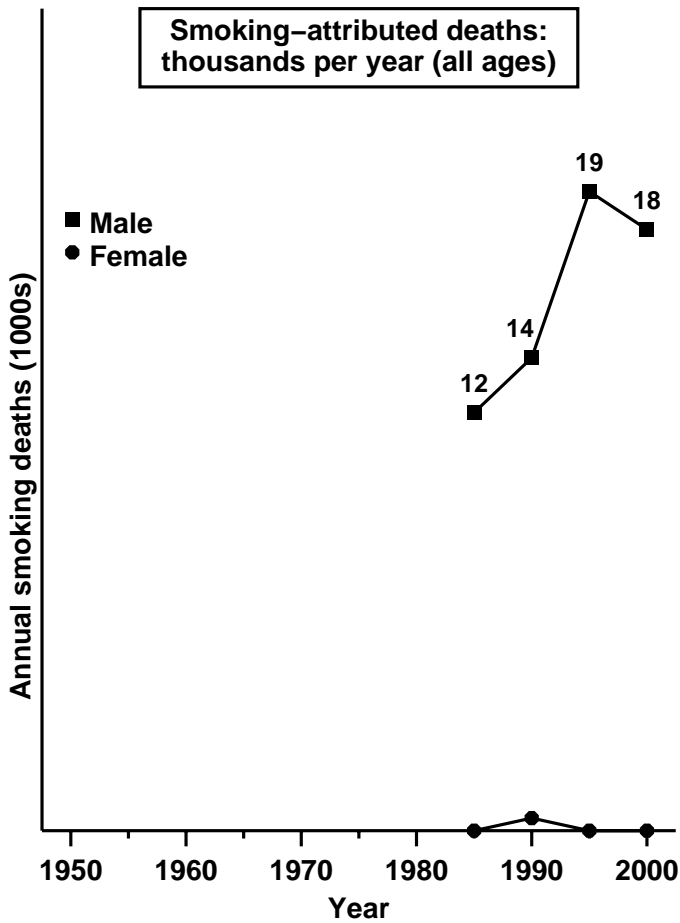
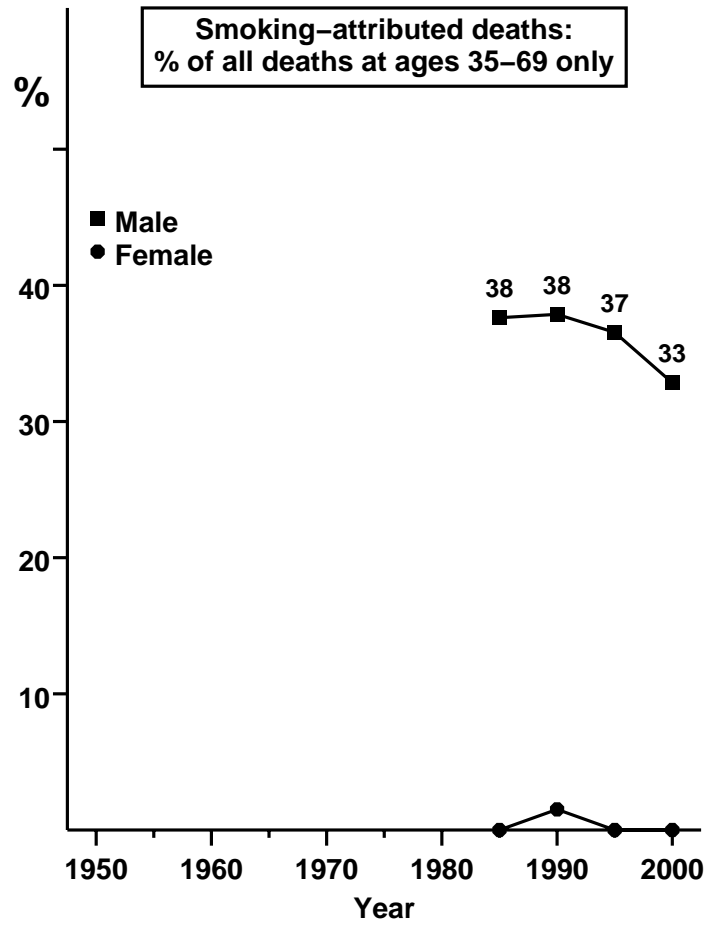
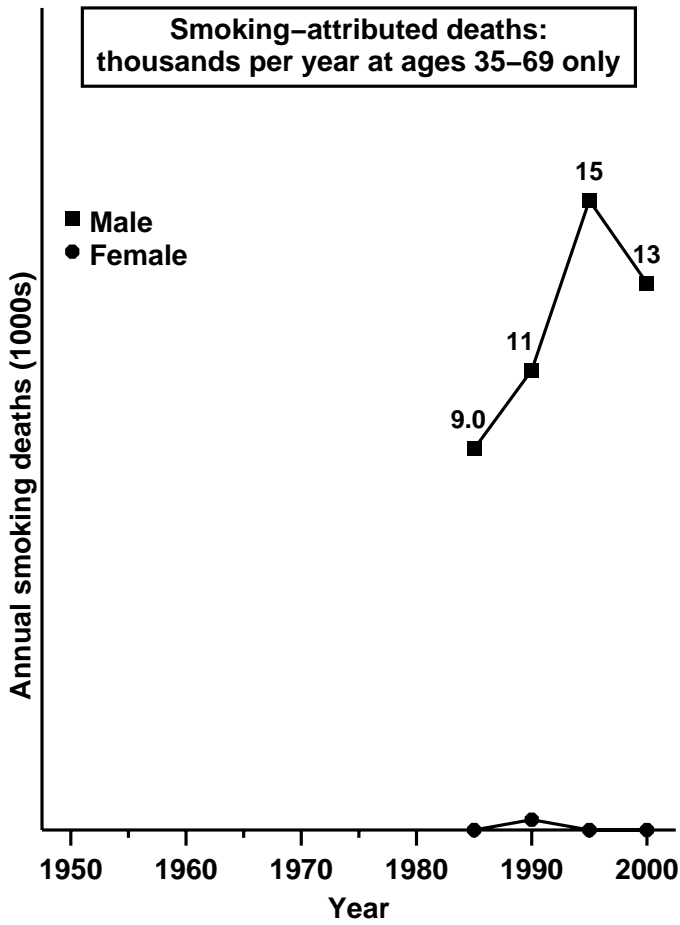
20-year total* (thousands), mid-1980 to mid-2000: 311 / 2395

1980-2000 by age & sex:

-/114	238/643 (37%)	73/440 (17%)	311/1197	-/46	0.0/337 (0%)	0.0/814 (0%)	0.0/1198
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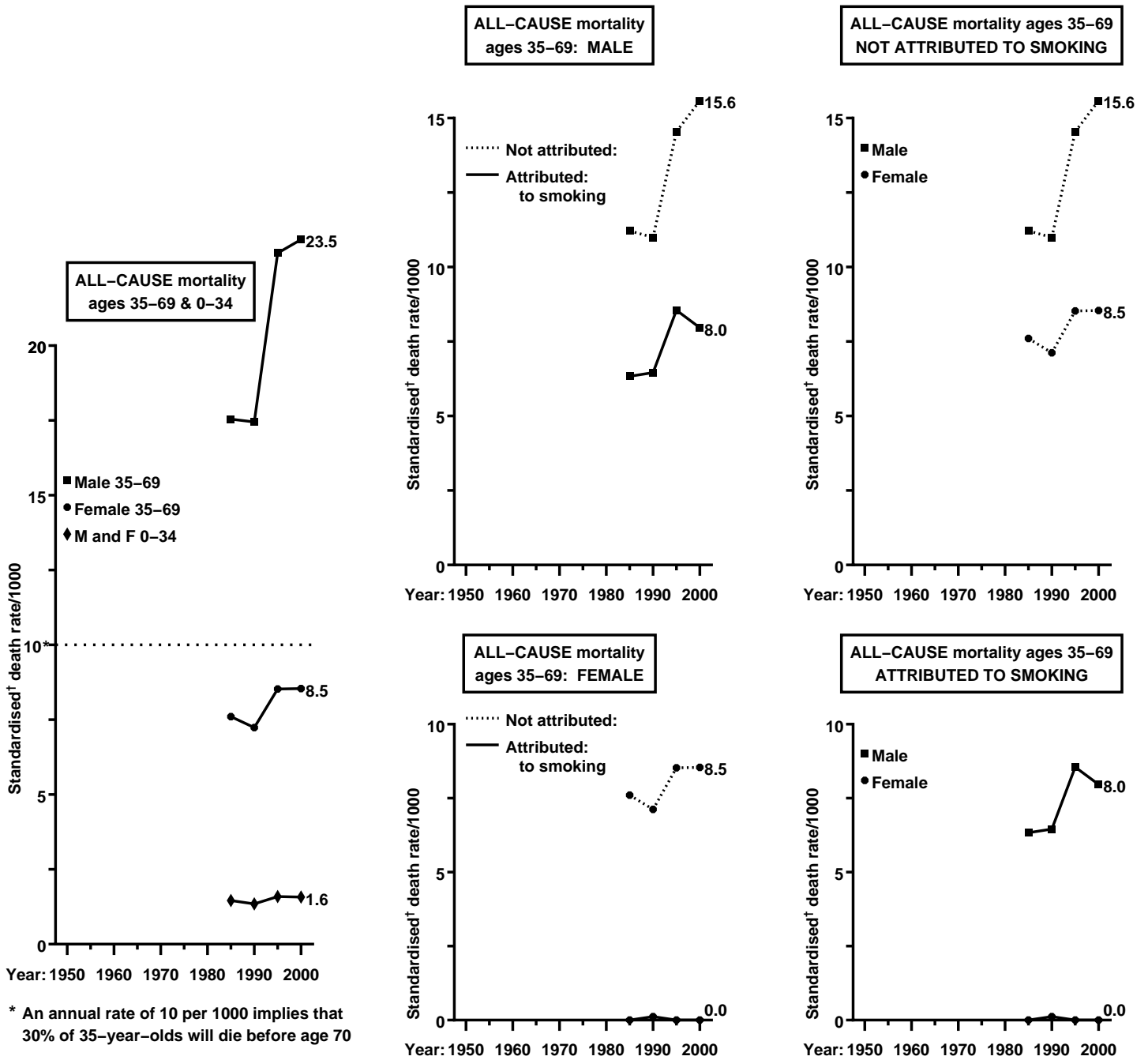
*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1985-2000: BELARUS



BELARUS: 1985-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

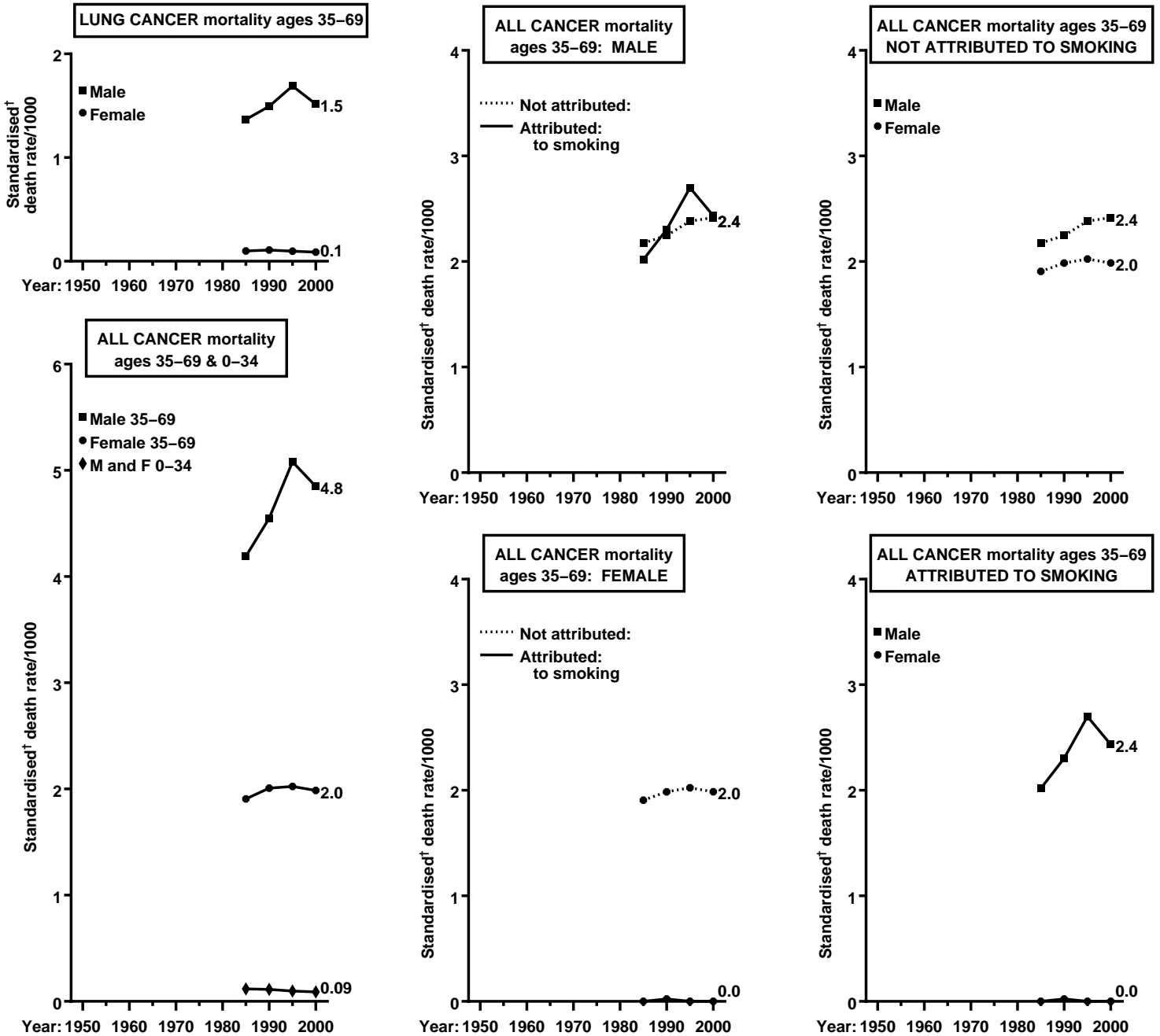


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965
1970
1975
1980
1985	-	1.97	6.33	11.2	13.7	63.8	-	0.94	0.00	7.60	0.00	46.6	0.00	46.6	0.00	46.6
1990	-	1.92	6.45	11.0	15.4	58.7	-	0.77	0.12	7.12	0.45	44.8	0.45	44.8	0.45	44.8
1995	-	2.31	8.55	14.5	17.5	70.8	-	0.86	0.00	8.52	0.00	50.9	0.00	50.9	0.00	50.9
2000	-	2.30	7.96	15.6	16.0	65.7	-	0.85	0.00	8.54	0.00	48.3	0.00	48.3	0.00	48.3

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: BELARUS

Trends in ALL CANCER mortality attributed and not attributed to smoking



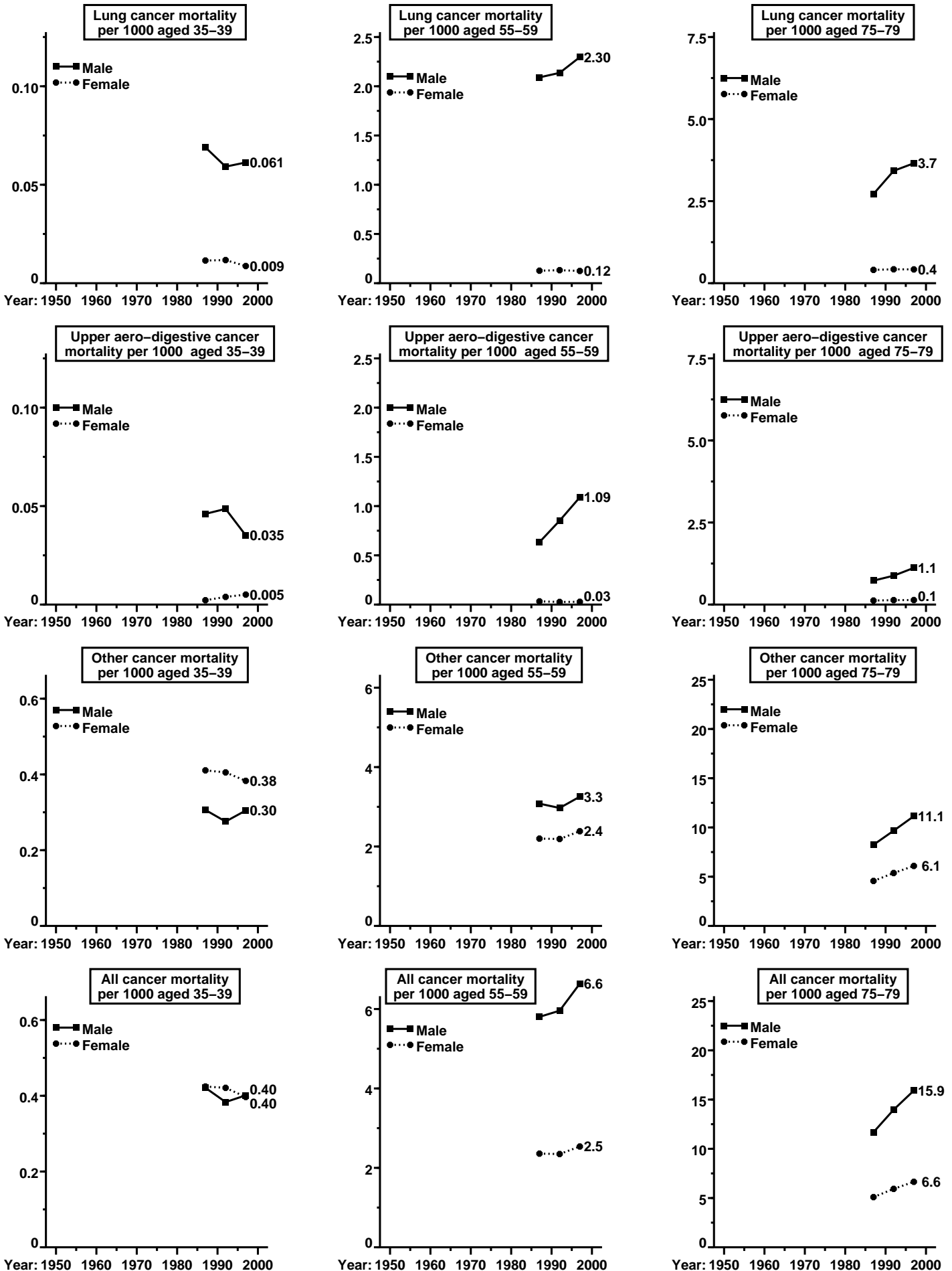
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955		
1960		
1965		
1970		
1975		
1980		
1985	-	0.12	2.02	2.17	3.07	7.79	-	0.11	0.00	1.91	0.00	4.82	-	0.11		
1990	-	0.12	2.30	2.25	4.65	8.90	-	0.10	0.02	1.98	0.06	5.76	-	0.10		
1995	-	0.09	2.70	2.38	5.32	9.84	-	0.10	0.00	2.02	0.00	6.49	-	0.10		
2000	-	0.09	2.43	2.42	5.04	9.45	-	0.08	0.00	1.99	0.00	5.59	-	0.08		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

BELARUS: 1985-2000

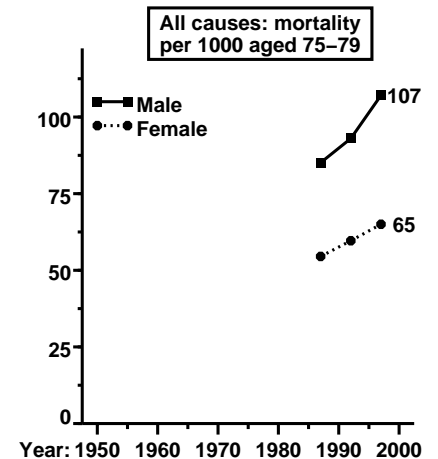
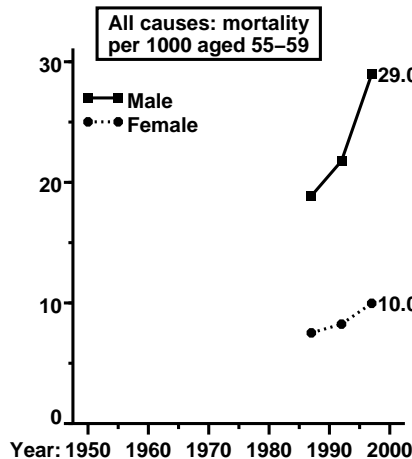
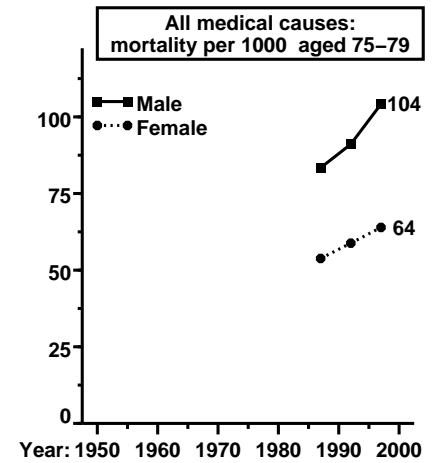
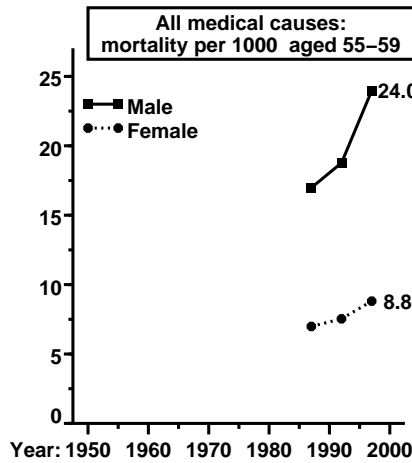
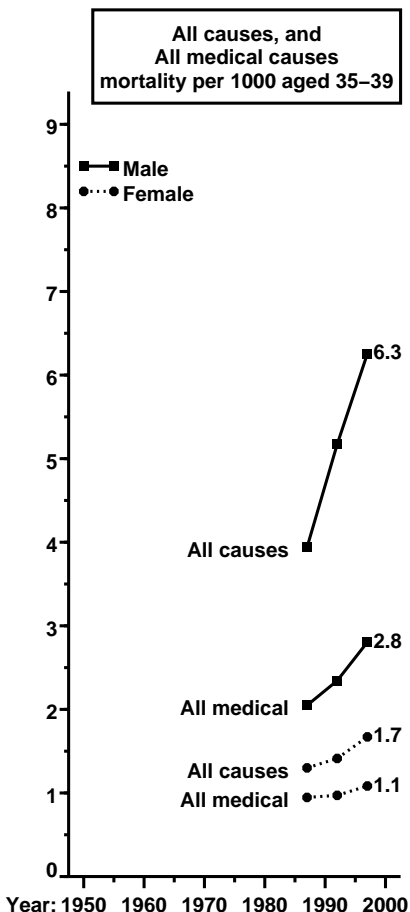
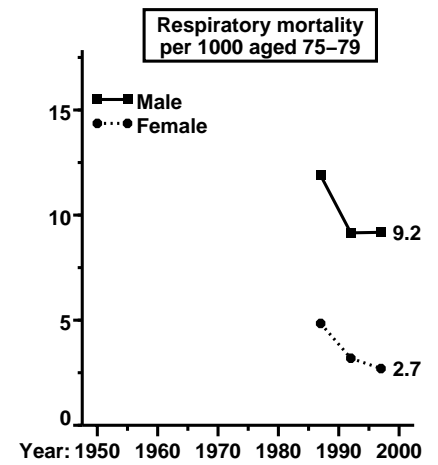
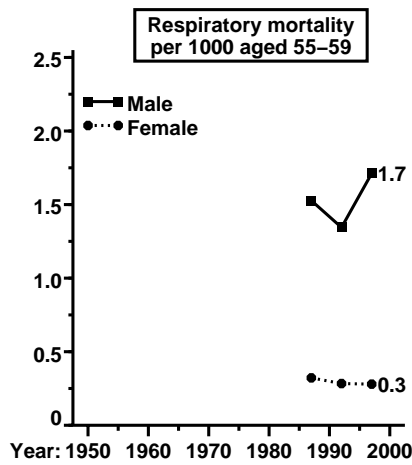
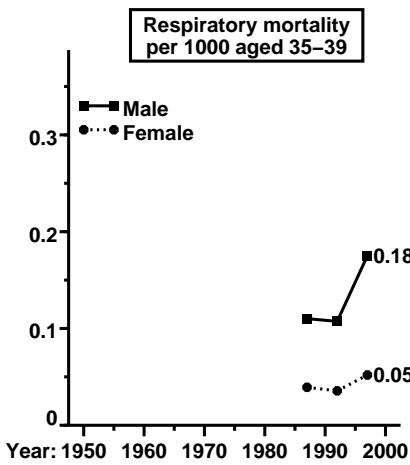
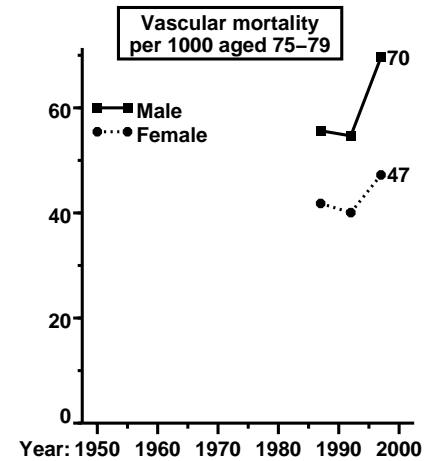
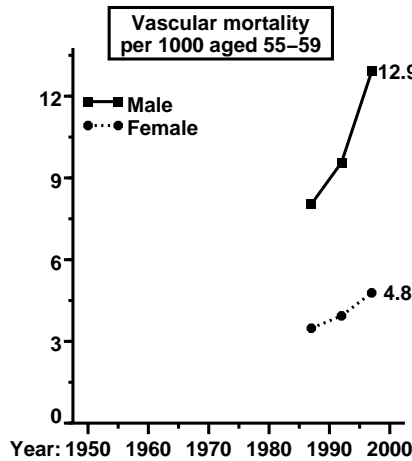
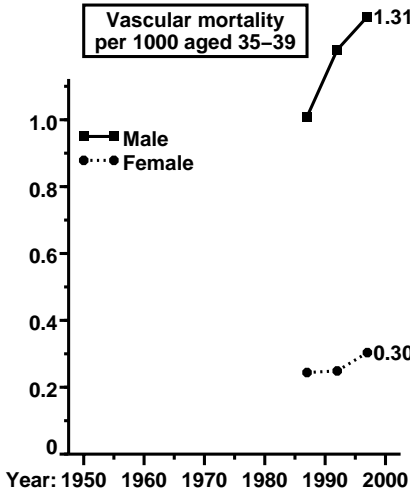
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; year 2000 on pages 74-75

1985-2000: BELARUS

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1985-89, ..., 1995-99; year 2000 on pages 74-75

BELGIUM: 2000[‡]

[‡]1997 rates applied
to 2000 population

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	52330	2024	16578	887.2	87.6	855.8	134.3	11.5	17.7	75.5	131.1	115.4	128.1
	F	52573	955	8783	535.0	44.0	426.1	109.3	8.7	15.5	32.3	44.4	39.8	57.8
Tuberculosis	M	83	-	25	1.4	-	1.3	-	-	-	-	-	-	-
	F	32	-	10	0.3	-	0.5	-	-	-	-	-	-	-
HIV	M	64	12	46	1.1	0.5	1.9	0.3	0.3	-	-	-	-	2.6
	F	23	12	11	0.5	0.5	0.4	0.7	-	0.3	-	0.3	1.2	1.1
Other infective and parasitic	M	506	14	144	8.5	0.6	7.5	2.1	0.3	-	1.3	-	0.6	0.3
	F	731	22	90	7.3	1.1	4.4	3.6	-	0.3	1.3	1.0	0.6	0.5
ALL CANCER	M	16152	158	6536	272.3	6.8	346.7	7.2	2.6	4.2	5.5	8.8	6.3	12.7
	F	11800	139	4042	143.9	6.0	196.9	4.0	3.0	3.7	4.4	5.9	5.6	15.7
Mouth and pharynx cancer	M	456	4	320	8.4	0.2	15.5	-	-	-	0.3	0.3	-	0.5
	F	122	-	73	1.8	-	3.4	-	-	-	-	-	-	-
Oesophagus cancer	M	444	1	261	7.8	0.0	13.3	-	-	-	-	-	-	0.3
	F	134	-	42	1.5	-	2.0	-	-	-	-	-	-	-
Stomach cancer	M	650	3	234	10.8	0.1	12.4	-	-	-	-	-	-	0.8
	F	504	3	78	5.1	0.1	3.9	-	-	-	-	-	0.6	0.3
Colorectal cancer	M	1540	4	551	25.7	0.2	29.4	-	-	-	-	0.3	0.9	-
	F	1644	6	368	17.7	0.3	18.2	-	-	-	0.3	0.3	0.3	0.8
Liver cancer	M	269	3	123	4.5	0.1	6.6	1.0	-	-	-	-	-	-
	F	174	1	46	1.9	0.1	2.3	0.4	-	-	-	-	-	-
Pancreas cancer	M	625	2	279	10.5	0.1	15.2	-	-	-	0.3	-	-	0.3
	F	648	-	172	7.3	-	8.5	-	-	-	-	-	-	-
Larynx cancer	M	312	1	190	5.5	0.0	9.5	-	-	-	-	-	-	0.3
	F	57	-	28	0.8	-	1.4	-	-	-	-	-	-	-
Lung cancer	M	5721	8	2635	96.2	0.3	141.8	-	-	-	-	0.3	0.3	1.6
	F	1078	4	503	14.5	0.2	24.7	-	-	-	-	-	0.6	0.5
Malignant melanoma	M	117	4	71	2.1	0.2	3.3	-	-	-	-	0.3	0.3	0.5
	F	117	6	47	1.6	0.2	2.3	-	-	-	-	0.3	0.3	1.4
Female breast cancer	M	2400	23	1204	33.5	0.9	57.8	-	0.3	-	-	-	1.2	4.9
Cervix cancer	F	221	5	122	3.2	0.2	5.5	-	-	-	-	-	0.3	1.1
Other uterine cancer	F	375	2	106	4.3	0.1	5.2	-	-	-	-	-	-	0.5
Ovarian cancer	F	810	11	340	10.6	0.5	16.7	-	-	-	-	1.3	0.3	1.6
Prostate cancer	M	1957	-	275	31.6	-	15.7	-	-	-	-	-	-	-
Bladder cancer	M	620	-	185	10.1	-	10.2	-	-	-	-	-	-	-
	F	241	-	40	2.3	-	2.0	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	2307	73	993	39.7	3.2	51.6	4.5	1.6	2.2	2.2	4.1	2.3	5.2
	F	2272	56	616	26.2	2.5	30.2	2.2	2.3	3.0	2.0	2.9	2.1	3.2
Hodgkin's disease	M	38	-	21	0.7	-	1.1	-	-	-	-	-	-	-
	F	26	2	12	0.3	0.1	0.6	-	-	-	0.3	-	-	0.3
Myeloma and non- Hodgkin lymphomas	M	581	8	244	9.8	0.3	13.1	-	-	-	0.6	0.3	0.6	0.8
	F	557	3	142	6.3	0.1	7.1	-	-	-	-	0.3	-	0.5
Leukaemia	M	515	47	154	8.8	2.0	7.9	1.7	1.0	1.9	1.9	3.2	2.0	2.6
	F	420	17	103	4.9	0.8	5.1	1.4	0.3	0.7	1.7	1.0	-	0.5
Diabetes	M	592	5	178	9.8	0.2	9.2	-	-	-	-	-	0.6	0.8
	F	1120	3	155	10.7	0.1	7.8	-	-	-	-	-	0.3	0.5
ALL VASCULAR DISEASE	M	17244	91	4619	287.2	3.8	243.8	1.7	0.3	0.6	4.5	4.1	4.9	10.1
	F	21308	44	1971	192.3	1.9	97.6	0.7	-	0.3	2.7	0.7	2.4	6.2
Rheumatic heart disease and fever	M	27	-	4	0.5	-	0.2	-	-	-	-	-	-	-
	F	45	-	8	0.5	-	0.4	-	-	-	-	-	-	-
Hypertensive disease	M	177	-	51	3.0	-	2.7	-	-	-	-	-	-	-
	F	377	-	35	3.4	-	1.8	-	-	-	-	-	-	-
Ischaemic heart disease	M	6782	23	2353	113.3	0.9	123.6	-	-	-	0.3	0.3	1.4	4.2
	F	5321	4	712	50.8	0.2	35.5	-	-	-	-	-	-	1.1
Pulmonary embolism and other venous	M	265	2	73	4.4	0.1	3.8	-	-	-	-	-	-	0.5
	F	509	4	71	5.0	0.2	3.5	-	-	-	-	0.3	0.3	0.5
Cerebrovascular disease	M	3712	27	769	61.2	1.1	40.9	-	-	0.3	1.9	1.6	0.9	3.1
	F	5890	19	537	53.3	0.8	26.3	0.4	-	0.3	1.0	-	1.5	2.4
Other vascular disease	M	6281	39	1369	104.9	1.7	72.6	1.7	0.3	0.3	2.2	2.2	2.6	2.3
	F	9166	17	608	79.4	0.7	30.1	0.4	-	-	1.7	0.3	0.6	2.2
Chronic obstructive pulmonary disease	M	3437	5	763	55.9	0.2	42.4	-	-	0.3	0.3	-	-	0.8
	F	1589	7	265	15.9	0.3	13.3	-	-	-	0.7	-	0.6	0.8
Other respiratory disease	M	2879	25	436	47.7	1.1	23.4	3.8	0.3	0.3	0.6	0.9	1.4	0.5
	F	2948	13	189	25.6	0.6	9.3	0.4	0.3	0.7	0.7	-	0.9	1.1
Peptic ulcer	M	184	1	48	3.0	0.0	2.4	-	-	-	-	-	0.3	-
	F	233	-	22	2.1	-	1.1	-	-	-	-	-	-	-
Liver cirrhosis	M	841	10	599	15.3	0.4	28.3	-	-	-	-	-	-	2.6
	F	509	3	316	7.7	0.1	14.5	-	-	-	-	-	-	0.8
Renal disease	M	505	4	73	8.3	0.2	3.9	0.3	-	-	-	-	0.3	0.5
	F	713	3	69	6.6	0.1	3.4	-	-	-	-	0.3	-	0.5
Pregnancy, birth Congenital and perinatal causes	F	11	9	2	0.2	0.4	0.1	-	-	-	-	1.0	0.9	0.8
	M	262	244	16	6.9	11.9	0.7	77.2	1.0	0.3	1.0	0.6	1.7	1.3
	F	235	204	28	6.4	10.4	1.3	67.8	0.3	0.3	1.0	0.3	1.8	1.1
Ill-defined causes	M	1173	88	294	20.8	4.1	15.0	20.7	0.3	-	-	1.9	1.7	3.9
	F	1938	41	139	17.6	2.1	6.7	13.3	-	-	0.3	0.3	0.6	-
Other medical causes	M	4343	129	965	73.1	5.5	48.8	6.2	1.3	1.6	4.8	9.5	5.8	9.6
	F	7144	73	682	65.8	3.4	33.3	9.0	1.7	2.7	2.4	3.3	1.2	3.8
ALL NON- MEDICAL CAUSES	M	4065	1238	1836	76.0	52.4	80.4	14.8	5.1	10.3	57.5	105.2	91.7	82.3
	F	2239	382	792	32.2	17.0	35.5	9.7	3.3	7.1	18.8	31.4	23.7	24.9
Motor vehicle traffic accidents	M	1070	540	383	20.7	23.2	16.4	2.8	2.2	5.1	29.2	57.5	39.2	26.0
	F	382	159	148	6.9	7.2	6.7	1.8	1.7	5.7	11.8	14.0	7.7	7.6
Fire	M	65	16	31	1.2	0.7	1.4	1.4	0.6	-	-	0.9	0.6	1.3
	F	40	9	12	0.6	0.4	0.6	1.1	0.3	-	0.3	0.3	0.3	0.5
Suicide	M	1550	406	855	28.8	16.7	36.8	-	-	2.2	16.7	27.2	33.5	37.7
	F	590	113	366	10.4	4.8	16.1	-	-	-	3.7	8.5	11.0	10.5
Homicide	M	97	45	46	1.9	2.0	1.8	1.7	0.3	0.3	1.3	4.7	3.8	1.6
	F	82	32	42	1.6	1.4	1.7	1.4	0.3	0.7	1.0	2.0	2.7	1.9
POPULATION:			M=male											
(1000s; UN, 2002 revision)			F=female											
					5020.9	2273.5	2277.6	290.3	312.0	311.6	311.4	316.6	346.6	385.0
					5229.7	2182.9	2292.7	277.2	298.6	296.7	297.3	306.1	336.9	370.1

2000[†]: BELGIUM[†]1997 rates applied to 2000 populationAnnual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK		
157.9	234.6	386.0	604.4	936.1	1358.4	2313.3	3839.6	6208.3	14504.4	M	ALL CAUSES 001-999/A00-Y89
85.2	138.2	223.4	321.4	476.6	691.1	1046.6	1870.3	3367.4	11504.8	F	
-	0.3	0.8	0.6	1.9	2.4	3.3	6.9	13.7	20.4	M	Tuberculosis 010-018, 137/
-	0.3	-	0.3	-	0.7	2.2	0.8	2.6	5.3	F	A15-A19, B90
3.6	2.0	1.9	1.7	0.4	1.2	2.5	1.0	2.6	-	M	HIV 279.5, 279.6/B20-B24
1.2	0.3	0.8	0.3	0.4	-	-	-	-	-	F	
1.7	1.5	2.5	4.6	8.5	15.4	18.5	38.4	65.1	150.4	M	Other infective and parasitic Rest of 001-139/rest of
0.5	1.6	1.4	2.7	4.6	7.8	12.6	28.0	49.3	164.7	F	A00-B99 excl A33,A34
22.2	48.6	125.0	237.2	403.0	595.8	995.1	1426.7	1957.7	3143.4	M	ALL CANCER 140-208/C00-C97
30.7	55.1	107.2	159.2	254.8	342.2	428.8	647.9	857.6	1505.1	F	
1.9	4.5	12.9	22.9	25.8	20.1	20.6	26.1	29.3	30.1	M	Mouth and pharynx cancer 140-149/C00-C14
0.5	2.3	2.5	4.4	5.3	4.4	4.3	4.6	6.1	8.8	F	
0.2	3.3	8.2	13.3	19.6	17.7	30.9	36.4	33.2	50.4	M	Oesophagus cancer 150/C15
0.2	1.0	0.6	2.7	1.5	3.3	4.7	6.1	7.8	22.1	F	
0.2	3.0	2.5	9.8	14.2	22.1	35.0	53.6	91.8	144.2	M	Stomach cancer 151/C16
1.0	0.3	1.7	1.8	4.2	8.9	9.4	28.0	37.2	100.6	F	
2.7	5.0	10.9	13.6	29.6	56.8	87.3	134.8	188.8	372.6	M	Colorectal cancer 153, 154/C18-C21
2.0	3.4	9.0	10.9	22.4	34.4	45.5	94.0	123.8	281.7	F	
0.5	-	1.6	4.6	6.9	12.2	20.6	25.6	36.5	31.0	M	Liver cancer 155.0/C22 excl C221
0.2	0.5	0.8	0.6	1.9	4.1	7.9	12.7	14.3	23.3	F	
0.5	1.3	4.7	6.4	18.9	30.0	44.5	47.7	84.6	103.5	M	Pancreas cancer 157/C25
0.5	1.6	3.4	7.4	7.6	15.9	23.1	45.3	58.0	85.4	F	
0.5	2.8	6.6	11.6	13.5	14.2	17.3	19.7	29.3	31.9	M	Larynx cancer 161/C32
-	-	1.4	1.5	3.0	1.8	1.8	2.3	6.1	3.4	F	
3.9	11.6	39.9	92.4	167.1	251.6	426.5	593.5	684.2	726.5	M	Lung cancer 162/C33, C34
2.7	4.9	12.9	19.2	32.7	45.1	55.6	66.0	77.0	84.3	F	
1.9	1.3	3.6	3.8	2.3	2.8	7.8	8.9	5.2	14.2	M	Malignant melanoma 172/C43
0.5	1.0	1.7	1.2	3.4	4.1	4.0	7.3	9.1	9.1	F	
9.7	21.2	37.3	59.3	85.8	90.9	100.1	114.7	135.4	213.9	F	Female breast cancer 174/C50
2.7	4.1	6.7	4.4	6.1	8.1	6.5	9.6	8.2	19.1	F	Cervix cancer 180/C53
1.0	1.0	2.0	2.7	4.6	11.1	14.5	24.2	33.3	48.4	F	Other uterine cancer 179, 182/C54, C55
1.2	4.1	8.1	13.3	20.1	32.2	37.9	47.2	59.3	75.9	F	Ovarian cancer 183/C56, C570-C574
-	0.5	1.1	1.7	10.0	27.2	69.2	144.7	313.2	802.7	M	Prostate cancer 185/C61
0.2	0.5	2.5	3.8	10.0	17.7	36.6	60.5	89.8	154.0	M	Bladder cancer 188/C67
-	0.5	0.3	1.2	1.5	3.3	7.2	8.4	18.6	51.8	F	
4.8	11.8	23.3	39.1	65.1	82.8	134.6	174.2	245.4	451.3	M	Other and ill-defined cancer sites Rest of 140-199/
5.7	6.0	13.5	23.6	38.0	52.1	72.6	109.7	172.7	348.8	F	rest of C00-C80, C97
-	0.3	0.8	0.9	1.9	2.4	1.2	3.9	2.0	5.3	M	Hodgkin's disease 201/C81
0.5	0.3	0.3	-	-	1.1	1.8	0.8	1.3	2.7	F	
1.5	1.8	3.3	7.5	12.7	24.8	39.9	50.2	69.7	106.2	M	Myeloma and non-Hodgkin lymphomas 200, 202-203/
0.7	1.6	2.8	3.2	10.6	12.6	18.1	43.7	54.1	66.0	F	C82-C90, C96
3.4	1.0	3.3	5.8	5.4	13.4	23.1	46.8	54.7	119.5	M	Leukaemia 204-208/C91-C95
1.2	1.3	2.2	2.1	6.1	8.9	13.7	23.4	35.5	59.9	F	
1.5	2.8	2.7	7.5	8.5	14.2	27.6	50.2	84.6	156.6	M	Diabetes 250/E10-E14
0.5	1.8	1.4	3.2	3.4	15.9	28.2	45.3	91.7	240.9	F	
19.8	52.2	90.8	157.8	267.5	388.4	729.9	1261.3	2240.9	5777.9	M	ALL VASCULAR DISEASE 390-459/I00-I99
13.0	22.0	34.2	54.0	80.5	157.8	321.5	667.4	1408.0	5451.4	F	
-	-	-	0.3	0.8	-	0.4	3.0	2.6	11.5	M	Rheumatic heart disease and fever 390-398/I00-I09
-	0.3	0.3	-	0.4	0.4	1.8	2.7	3.9	8.0	F	
-	-	2.2	0.9	2.7	4.3	8.6	13.3	19.5	61.1	M	Hypertensive disease 401-405/I10-I15
-	-	0.6	0.9	1.5	2.6	6.9	13.4	20.3	99.1	F	
10.2	24.7	52.0	83.7	146.7	201.1	347.1	575.8	887.4	1657.5	M	Ischaemic heart disease 410-414/I20-I25
2.7	6.2	11.2	20.3	27.0	60.6	120.3	224.4	454.8	1131.9	F	
1.0	0.8	1.9	2.6	3.5	5.1	11.5	17.2	39.1	84.1	M	Pulmonary embolism and other venous 415.1, 451-453/
0.5	1.3	0.8	2.7	3.0	5.9	10.1	22.6	44.1	104.1	F	I26, I80-I82
2.2	11.3	12.0	23.7	41.2	64.7	130.9	234.7	545.6	1416.8	M	Cerebrovascular disease 430-438/I60-I69
4.7	7.2	12.6	14.7	23.9	41.4	79.5	181.8	383.4	1515.1	F	
6.5	15.1	22.7	46.6	72.7	113.2	231.4	417.3	746.7	2546.9	M	Other vascular disease Rest of 390-459/
5.0	7.2	8.7	15.3	24.7	46.9	103.0	222.5	501.5	2593.2	F	rest of I00-I99
1.5	4.0	5.5	11.6	34.6	76.5	163.4	312.5	502.6	1116.8	M	Chronic obstructive pulmonary disease 490-496/
0.5	1.0	2.8	10.0	16.0	27.7	35.4	69.4	118.1	329.0	F	J40-J47, J67
1.7	3.8	5.5	13.6	21.6	41.4	76.6	186.5	380.9	1286.7	M	Other respiratory disease Rest of 460-519/
1.0	1.8	3.6	7.4	9.9	14.8	26.7	65.2	134.1	863.9	F	rest of J00-J98
1.2	0.5	1.4	2.3	0.8	3.9	6.6	12.3	24.7	63.7	M	Peptic ulcer 531-533/K25-K27
0.2	0.3	0.6	0.6	1.1	1.5	3.3	7.7	15.1	59.5	F	
7.5	16.1	26.3	36.8	44.3	30.0	37.1	46.8	62.5	36.3	M	Liver cirrhosis 571/K70, K74
6.2	8.3	16.0	15.3	14.8	17.7	22.8	23.4	24.2	27.8	F	
0.7	0.8	0.8	2.3	4.2	6.7	11.5	27.1	84.0	215.9	M	Renal disease 580-590/N00-N19
0.2	0.3	0.8	3.2	2.3	7.0	10.1	27.2	48.9	174.2	F	
0.5	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth 630-676/A34, O00-O99
0.5	0.8	0.8	0.6	0.8	0.4	1.2	0.5	0.7	-	M	Congenital and perinatal causes 740-779/A33,
0.2	1.0	1.4	1.5	3.0	1.5	0.4	-	-	1.1	F	P00-P96, Q00-Q99
2.4	5.0	6.8	11.6	18.9	27.2	33.3	62.0	98.3	454.9	M	Ill-defined causes 780-799/R00-R99
1.5	2.3	3.9	4.4	8.7	9.2	17.0	34.1	77.5	568.1	F	
11.1	16.9	29.3	38.5	42.7	74.5	128.4	289.4	504.6	1669.0	M	Other medical causes Rest of 001-799/
5.0	12.2	16.0	21.8	38.0	47.7	92.1	198.7	453.5	1838.7	F	rest of A00-R99
82.4	79.4	85.9	77.6	78.5	80.4	78.2	118.1	185.5	412.4	M	ALL NON-MEDICAL CAUSES E800-E999/V01-Y89
23.7	30.0	33.1	37.5	39.1	39.5	45.5	55.2	86.5	274.9	F	
23.5	17.4	14.8	14.2	12.3	16.6	16.5	25.6	35.2	36.3	M	Motor vehicle traffic accidents E810-E819/
4.7	5.4	4.2	6.5	6.8	8.1	11.2	8.1	10.4	11.4	F	part of V01-V99
1.5	1.0	0.3	2.3	1.2	2.0	1.6	3.0	3.3	6.2	M	Fire E890-E899/X00-X09
0.5	-	0.6	0.3	0.4	1.5	0.7	3.1	1.3	3.0	F	
37.2	40.8	44.0	37.4	37.3	32.7	28.4	38.9	65.1	97.3	M	Suicide E950-E959/X60-X84
11.7	15.5	19.9	17.4	21.3	15.2	11.6	14.6	14.7	14.9	F	
3.9	2.8	1.1	2.0	1.9	0.8	0.4	1.0	2.6	-	M	Homicide E960-E969/
2.5	3.6	0.6	1.8	1.5	0.4	1.8	-	2.6	0.8	F	X85-X99, Y00-Y09
413.6	396.9	365.5	345.3	259.8	253.6	242.9	203.2	153.6	113.0	M	POPULATION
400.1	386.5	356.3	339.1	263.3	270.6	276.8	260.7	231.1	262.3	F	(1000s; UN, 2002 revision)

BELGIUM: 1995, 2000[‡][‡]2000 mortality involves 1997 rates applied to 2000 population**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2312	129	4	0	125	12	19	101	9	692	1350
35-69	Sm.	7438	4024	2753	558	713	761	162	1721	-	770	-
	Total	18038 (41%)	7153 (56%)	2912 (95%)	780 (72%)	3461 (21%)	917 (83%)	482 (34%)	4889 (35%)	525	2125 (36%)	1947
70+	Sm.	9555	4014	2707	254	1053	2126	347	2178	-	890	-
	Total	32686 (29%)	8990 (45%)	2886 (94%)	367 (69%)	5737 (18%)	2636 (81%)	2064 (17%)	12628 (17%)	202	5256 (17%)	910
Any age	Sm.	16993	8038	5460	812	1766	2887	509	3899	-	1660	-
	Total	53036 (32%)	16272 (49%)	5802 (94%)	1147 (71%)	9323 (19%)	3565 (81%)	2565 (20%)	17618 (22%)	736	8073 (21%)	4207
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2024	158	8	6	144	5	25	91	10	497	1238
35-69	Sm.	6470	3593	2475	533	585	620	140	1516	-	601	-
	Total	16578 (39%)	6536 (55%)	2635 (94%)	771 (69%)	3130 (19%)	763 (81%)	436 (32%)	4619 (33%)	599	1789 (34%)	1836
70+	Sm.	9448	4171	2871	292	1008	2110	366	1964	-	837	-
	Total	33728 (28%)	9458 (44%)	3078 (93%)	435 (67%)	5945 (17%)	2669 (79%)	2418 (15%)	12534 (16%)	232	5426 (15%)	991
Any age	Sm.	15918	7764	5346	825	1593	2730	506	3480	-	1438	-
	Total	52330 (30%)	16152 (48%)	5721 (93%)	1212 (68%)	9219 (17%)	3437 (79%)	2879 (18%)	17244 (20%)	841	7712 (19%)	4065

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		4956.6	2385.6	2162.0	398.7	369.3	352.7	269.5	268.4	266.1	237.3	197.7	96.3	115.0
2000		5020.9	2273.5	2277.6	413.6	396.9	365.5	345.3	259.8	253.6	242.9	203.2	153.6	113.0
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		53036	2312	18038	723	968	1468	1764	2604	4243	6268	8536	6783	17367
2000		52330	2024	16578	653	931	1411	2087	2432	3445	5619	7802	9536	16390
Lung cancer														
1995		5802	4	2912	26	65	156	233	509	806	1117	1169	747	970
2000		5721	8	2635	16	46	146	319	434	638	1036	1206	1051	821
ANNUAL DEATH RATE / 100,000														
All causes					(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)									
1995		969.8*	94.0*	960.0*	181.3	262.1	416.2	654.5	970.2	1594.5	2641.4	4317.7	7043.6	15101.7
2000		887.2*	87.6*	855.8*	157.9	234.6	386.0	604.4	936.1	1358.4	2313.3	3839.6	6208.3	14504.4
All cancer														
1995		298.2*	5.1*	388.6*	29.6	59.6	133.5	253.8	431.1	700.5	1112.1	1498.7	2194.2	3403.5
2000		272.3*	6.8*	346.7*	22.2	48.6	125.0	237.2	403.0	595.8	995.1	1426.7	1957.7	3143.4
Lung cancer														
1995		106.4*	0.1*	159.7*	6.5	17.6	44.2	86.5	189.6	302.9	470.7	591.3	775.7	843.5
2000		96.2*	0.3*	141.8*	3.9	11.6	39.9	92.4	167.1	251.6	426.5	593.5	684.2	726.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		22.1*	-	40.8*	3.0	11.9	27.5	51.9	48.8	62.4	80.1	84.5	78.9	107.8
2000		21.8*	0.2*	38.3*	2.7	10.6	27.6	47.8	58.9	52.1	68.8	82.2	91.8	112.4
Other cancer														
1995		169.7*	4.9*	188.1*	20.1	30.1	61.8	115.4	192.6	335.2	561.3	823.0	1339.6	2452.2
2000		154.4*	6.2*	166.5*	15.7	26.5	57.5	97.0	177.1	292.2	499.8	751.0	1181.6	2304.4
Chronic obstructive pulmonary disease (COPD)														
1995		63.5*	0.5*	51.5*	1.3	3.0	8.2	17.4	38.0	98.1	194.7	367.2	612.7	1147.8
2000		55.9*	0.2*	42.4*	1.5	4.0	5.5	11.6	34.6	76.5	163.4	312.5	502.6	1116.8
Other respiratory disease														
1995		45.6*	0.8*	26.8*	1.5	3.0	6.2	7.4	19.7	51.5	98.2	199.3	367.6	1144.3
2000		47.7*	1.1*	23.4*	1.7	3.8	5.5	13.6	21.6	41.4	76.6	186.5	380.9	1286.7
Vascular disease														
1995		317.9*	3.9*	265.4*	22.8	49.3	96.1	165.5	266.0	457.7	800.3	1519.0	2686.4	6120.0
2000		287.2*	3.8*	243.8*	19.8	52.2	90.8	157.8	267.5	388.4	729.9	1261.3	2240.9	5777.9
Liver cirrhosis														
1995		14.1*	0.3*	26.4*	6.8	16.0	25.0	28.9	28.7	28.2	51.0	53.6	37.4	52.2
2000		15.3*	0.4*	28.3*	7.5	16.1	26.3	36.8	44.3	30.0	37.1	46.8	62.5	36.3
Other medical causes														
1995		149.6*	30.0*	111.0*	29.6	41.4	61.0	84.6	100.6	173.6	286.1	546.3	964.7	2823.5
2000		132.9*	23.0*	90.8*	22.7	30.5	47.1	69.8	86.6	145.9	233.0	487.7	878.3	2731.0
All non-medical causes														
1995		80.9*	53.4*	90.4*	89.8	89.9	86.2	96.8	86.1	84.9	99.0	133.5	180.7	410.4
2000		76.0*	52.4*	80.4*	82.4	79.4	85.9	77.6	78.5	80.4	78.2	118.1	185.5	412.4

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000[‡]: BELGIUM[‡]2000 mortality involves 1997 rates applied to 2000 population

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1080	143	5	0	138	13	17	62	10	420	415
35-69	Sm.	984	419	317	44	58	168	19	231	-	147	-
	Total	9593 (10%)	4476 (9%)	502 (63%)	142 (31%)	3832 (2%)	341 (49%)	178 (11%)	2179 (11%)	266	1365 (11%)	788
70+	Sm.	1450	334	242	34	58	455	44	410	-	207	-
	Total	41188 (4%)	7297 (5%)	468 (52%)	171 (20%)	6658 (1%)	1272 (36%)	2200 (2%)	19216 (2%)	204	9915 (2%)	1084
Any age	Sm.	2434	753	559	78	116	623	63	641	-	354	-
	Total	51861 (5%)	11916 (6%)	975 (57%)	313 (25%)	10628 (1%)	1626 (38%)	2395 (3%)	21457 (3%)	480	11700 (3%)	2287
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	955	139	4	0	135	7	13	44	3	367	382
35-69	Sm.	906	416	319	46	51	132	20	207	-	131	-
	Total	8783 (10%)	4042 (10%)	503 (63%)	143 (32%)	3396 (2%)	265 (50%)	189 (11%)	1971 (11%)	316	1208 (11%)	792
70+	Sm.	1822	434	318	42	74	547	68	500	-	273	-
	Total	42835 (4%)	7619 (6%)	571 (56%)	170 (25%)	6878 (1%)	1317 (42%)	2746 (2%)	19293 (3%)	190	10605 (3%)	1065
Any age	Sm.	2728	850	637	88	125	679	88	707	-	404	-
	Total	52573 (5%)	11800 (7%)	1078 (59%)	313 (28%)	10409 (1%)	1589 (43%)	2948 (3%)	21308 (3%)	509	12180 (3%)	2239

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	5180.1	2290.6	2204.4	387.5	358.6	343.4	268.4	278.1	288.7	279.7	262.2	151.7	271.2
2000	5229.7	2182.9	2292.7	400.1	386.5	356.3	339.1	263.3	270.6	276.8	260.7	231.1	262.3
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	51861	1080	9593	358	573	804	860	1363	2216	3419	5486	5716	29986
2000	52573	955	8783	341	534	796	1090	1255	1870	2897	4876	7782	30177
Lung cancer													
1995	975	5	502	14	23	45	46	88	125	161	176	100	192
2000	1078	4	503	11	19	46	65	86	122	154	172	178	221
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	556.4*	46.6*	469.5*	92.4	159.8	234.1	320.4	490.1	767.6	1222.4	2092.3	3768.0	11056.8
2000	535.0*	44.0*	426.1*	85.2	138.2	223.4	321.4	476.6	691.1	1046.6	1870.3	3367.4	11504.8
All cancer													
1995	154.1*	5.8*	219.8*	30.7	72.2	112.4	169.2	257.5	383.4	513.0	677.3	922.2	1519.9
2000	143.9*	6.0*	196.9*	30.7	55.1	107.2	159.2	254.8	342.2	428.8	647.9	857.6	1505.1
Lung cancer													
1995	14.0*	0.2*	24.7*	3.6	6.4	13.1	17.1	31.6	43.3	57.6	67.1	65.9	70.8
2000	14.5*	0.2*	24.7*	2.7	4.9	12.9	19.2	32.7	45.1	55.6	66.0	77.0	84.3
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	4.4*	-	7.0*	-	3.3	4.7	7.5	9.3	13.2	10.7	14.1	26.4	34.7
2000	4.2*	-	6.8*	0.7	3.4	4.5	8.6	9.9	9.6	10.8	13.0	19.9	34.3
Other cancer													
1995	135.7*	5.6*	188.1*	27.1	62.5	94.6	144.6	216.5	327.0	444.8	596.1	829.9	1414.5
2000	125.2*	5.9*	165.4*	27.2	46.8	89.8	131.5	212.3	287.5	362.4	568.9	760.7	1386.6
Chronic obstructive pulmonary disease (COPD)													
1995	17.7*	0.6*	17.0*	1.5	3.1	5.0	8.6	15.1	31.2	54.3	87.7	139.1	306.4
2000	15.9*	0.3*	13.3*	0.5	1.0	2.8	10.0	16.0	27.7	35.4	69.4	118.1	329.0
Other respiratory disease													
1995	21.7*	0.7*	8.9*	1.5	1.7	1.2	8.2	7.2	14.9	27.5	65.6	139.7	669.6
2000	25.6*	0.6*	9.3*	1.0	1.8	3.6	7.4	9.9	14.8	26.7	65.2	134.1	863.9
Vascular disease													
1995	203.3*	2.6*	108.2*	9.8	22.6	35.8	51.0	91.0	182.5	364.7	792.5	1623.6	5411.1
2000	192.3*	1.9*	97.6*	13.0	22.0	34.2	54.0	80.5	157.8	321.5	667.4	1408.0	5451.4
Liver cirrhosis													
1995	7.6*	0.4*	12.8*	3.1	7.3	11.9	15.6	16.5	19.1	15.7	30.5	40.2	23.2
2000	7.7*	0.1*	14.5*	6.2	8.3	16.0	15.3	14.8	17.7	22.8	23.4	24.2	27.8
Other medical causes													
1995	118.6*	19.2*	66.8*	15.2	21.2	31.5	36.1	63.6	105.0	194.9	369.6	800.3	2851.0
2000	117.4*	18.1*	59.0*	10.0	19.9	26.4	38.0	61.5	91.3	165.8	341.8	738.6	3052.6
All non-medical causes													
1995	33.4*	17.4*	36.2*	30.5	31.8	36.4	31.7	39.2	31.5	52.2	69.0	102.8	275.4
2000	32.2*	17.0*	35.5*	23.7	30.0	33.1	37.5	39.1	39.5	45.5	55.2	86.5	274.9

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

BELGIUM: 2000[‡][‡]2000 mortality involves 1997 rates applied to 2000 population**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 2.0	– / 1.0	–
35–69	6.5 / 17	0.9 / 8.8	22 years
70+	9.4 / 34	1.8 / 43	8 years
All ages	16 / 52	2.7 / 53	14 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	2.5/2.6	2.9/3.1	5.3/5.7	–/0.0	0.3/0.5	0.3/0.6	0.6/1.1
All Cancer	–/0.2	3.6/6.5 (55%)	4.2/9.5 (44%)	7.8/16	–/0.1	0.4/4.0 (10%)	0.4/7.6 (6%)	0.9/12
Vascular	–/0.1	1.5/4.6	2.0/13	3.5/17	–/0.0	0.2/2.0	0.5/19	0.7/21
Respiratory	–/0.0	0.8/1.2	2.5/5.1	3.2/6.3	–/0.0	0.2/0.5	0.6/4.1	0.8/4.5
All Other	–/1.7	0.6/4.2	0.8/6.6	1.4/13	–/0.8	0.1/2.3	0.3/12	0.4/15
All Causes	–/2.0	6.5/17 (39%)	9.4/34 (28%)	16/52	–/1.0	0.9/8.8 (10%)	1.8/43 (4%)	2.7/53

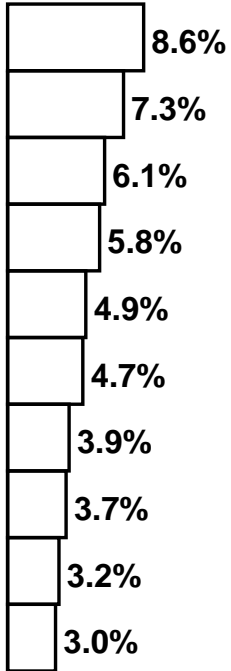
Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	7.8 / 16 (48%)	0.9 / 12 (7%)	8.6 / 28 (31%)
All Causes	16 / 52 (30%)	2.7 / 53 (5%)	19 / 105 (18%)

1955-2000†: BELGIUM

†2000 mortality involves 1997 rates applied to 2000 population

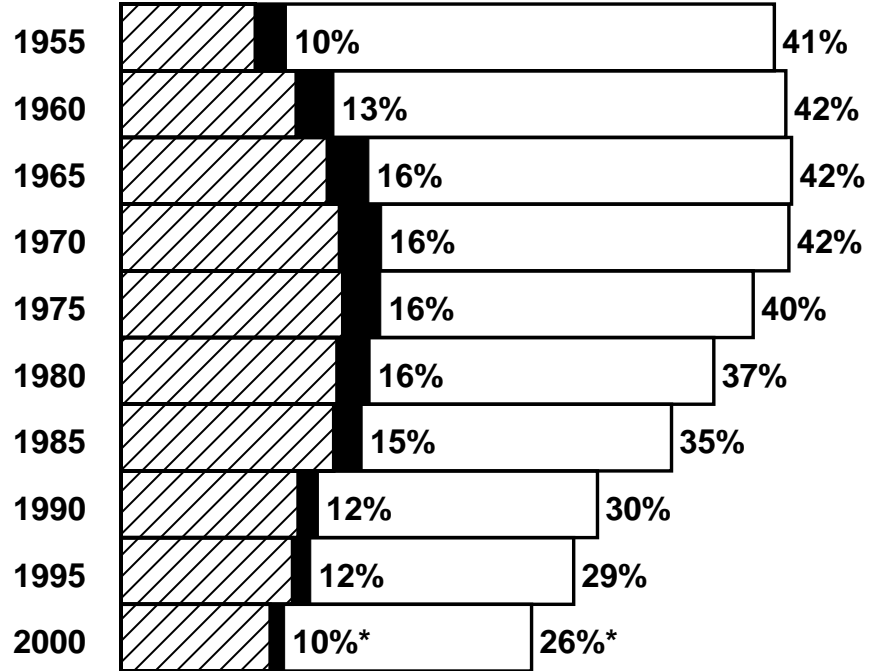
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

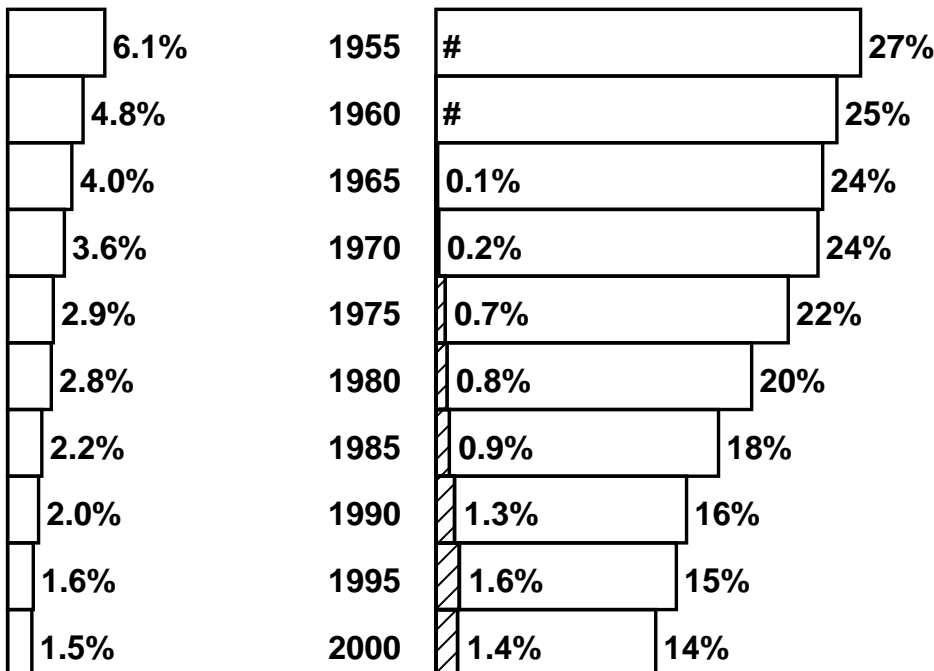
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 26 would die before age 70 (with 10 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

BELGIUM: 1950-2000[‡][‡]2000 mortality involves 1997 rates applied to 2000 population**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/6.2	6.4/24 (27%)	1.5/28 (6%)	7.9/58	-/4.2	0.0/16	0.0/31	0.0/51
1960	-/5.3	8.5/26 (33%)	2.5/30 (8%)	11/61	-/3.4	0.0/16	0.0/34	0.0/53
1965	-/4.6	10/27 (37%)	4.3/30 (14%)	14/62	-/2.9	0.1/15 (0.5%)	0.1/35 (0.4%)	0.2/53
1970	-/4.2	10/26 (39%)	6.0/32 (19%)	16/63	-/2.5	0.1/15 (0.9%)	0.1/38 (0.1%)	0.2/56
1975	-/3.6	9.8/24 (41%)	8.4/35 (24%)	18/63	-/1.9	0.4/14 (3%)	0.6/41 (1%)	1.0/57
1980	-/3.5	9.2/22 (42%)	9.3/34 (27%)	18/60	-/1.9	0.5/12 (4%)	0.6/41 (1%)	1.1/54
1985	-/2.8	8.7/20 (44%)	10/35 (29%)	19/57	-/1.4	0.5/10 (5%)	0.8/43 (2%)	1.4/54
1990	-/2.7	7.8/19 (41%)	8.9/31 (28%)	17/53	-/1.3	0.8/10 (8%)	0.8/40 (2%)	1.6/51
1995	-/2.3	7.4/18 (41%)	9.6/33 (29%)	17/53	-/1.1	1.0/9.6 (10%)	1.5/41 (4%)	2.4/52
2000	-/2.0	6.5/17 (39%)	9.4/34 (28%)	16/52	-/1.0	0.9/8.8 (10%)	1.8/43 (4%)	2.7/53

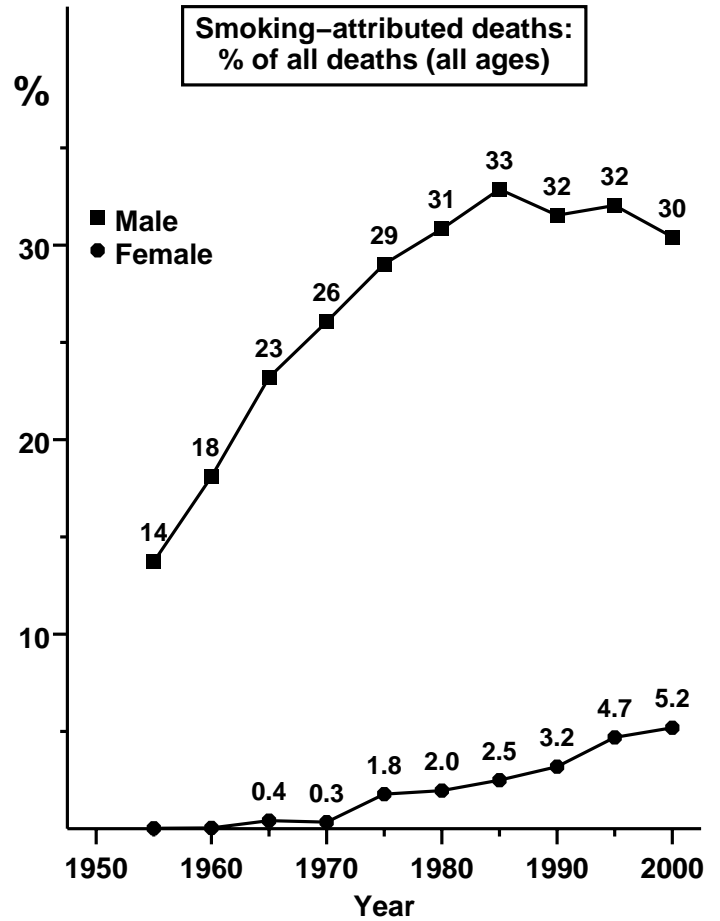
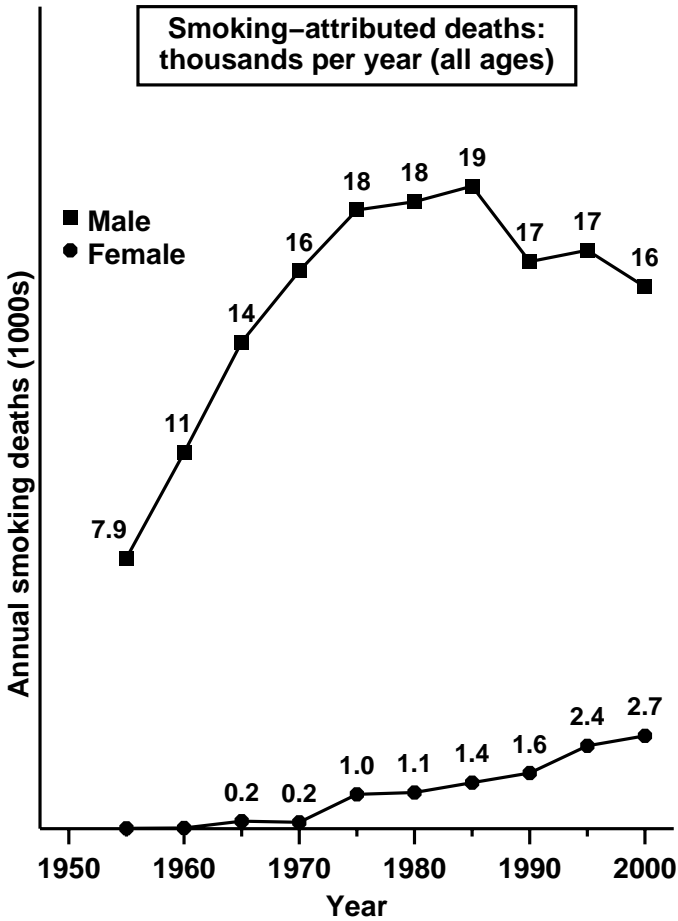
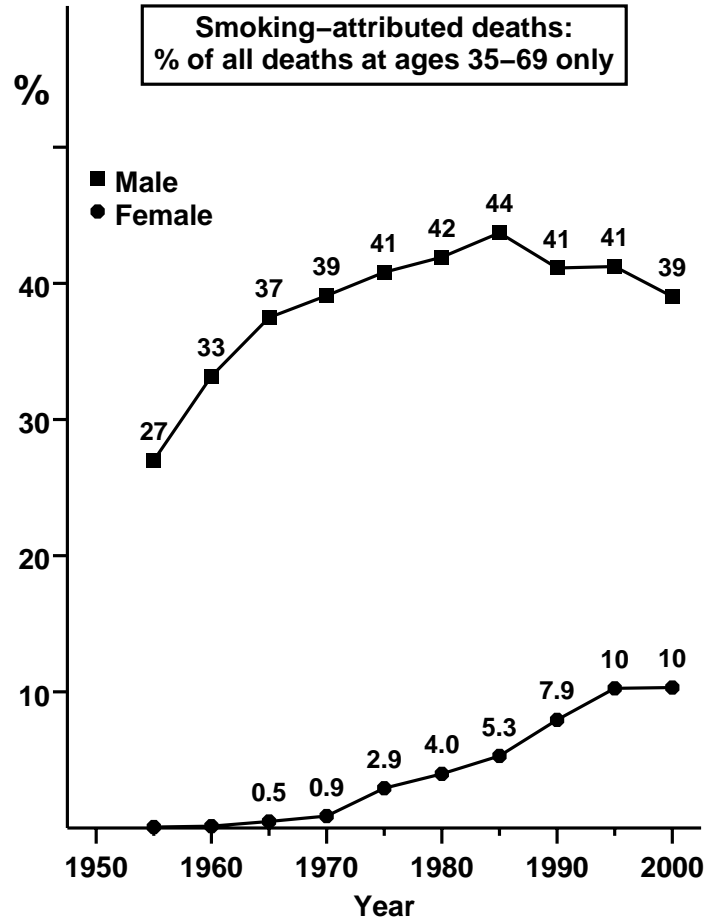
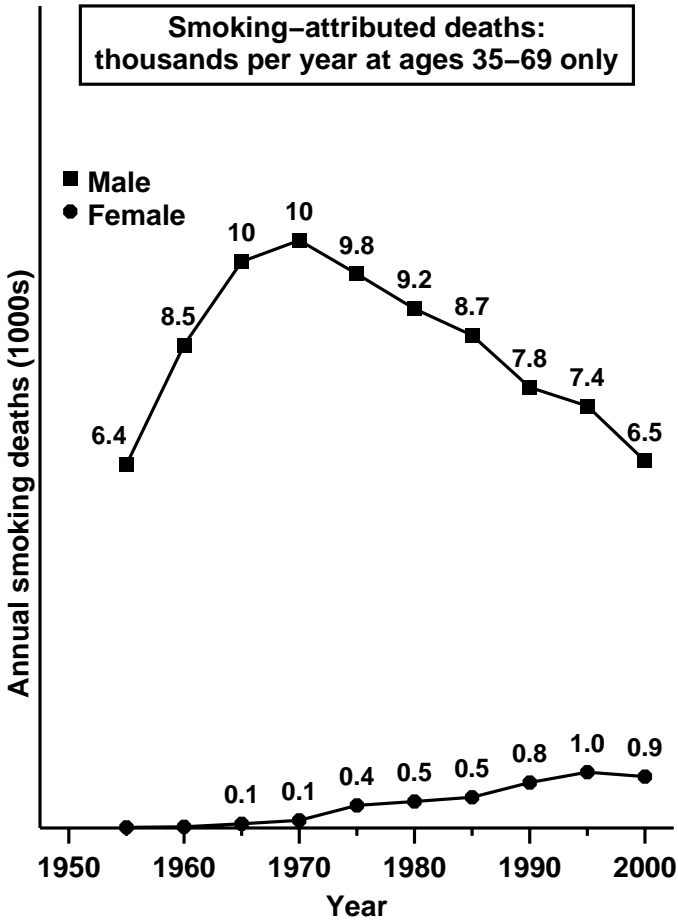
50-year total* (thousands), mid-1950 to mid-2000: 813 / 5597**1950-2000 by age & sex:**

-/194	423/1122 (38%)	340/1610 (21%)	763/2926	-/116	20/646 (3%)	30/1909 (2%)	50/2671
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*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000[‡]: BELGIUM

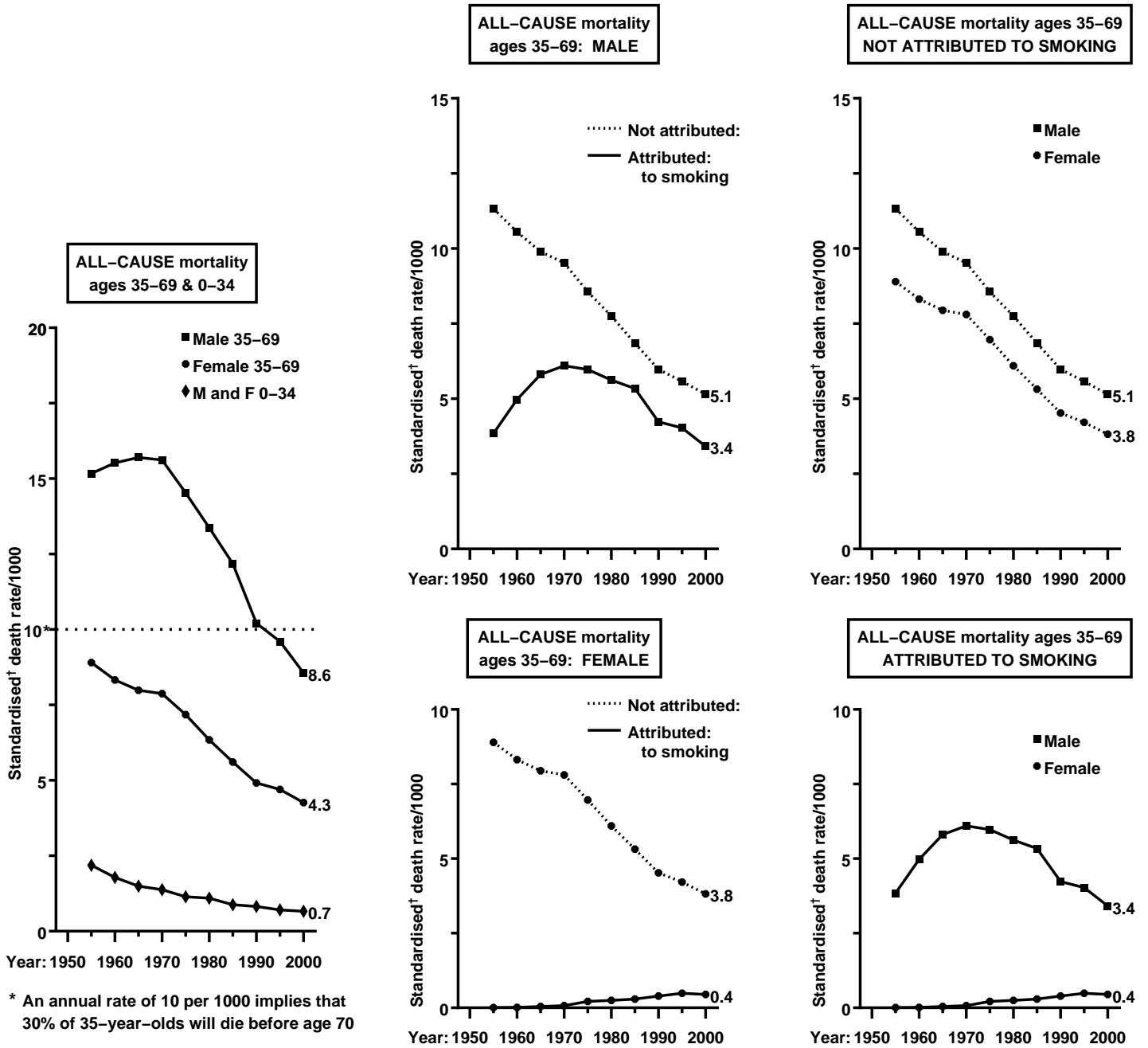
[‡]2000 mortality involves 1997 rates applied to 2000 population



BELGIUM: 1955-2000[‡]

[‡]2000 mortality involves 1997 rates applied to 2000 population

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



[†] Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

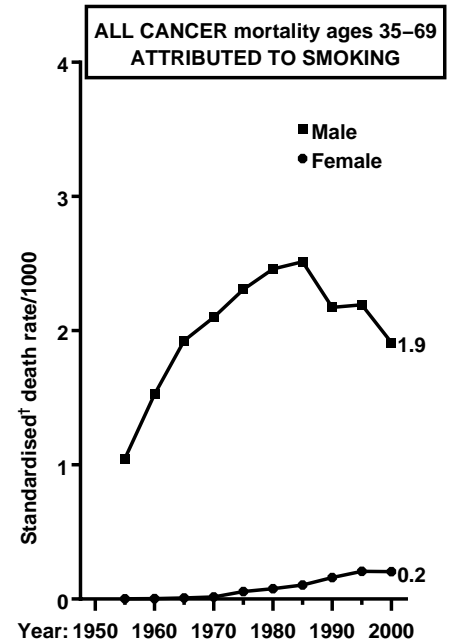
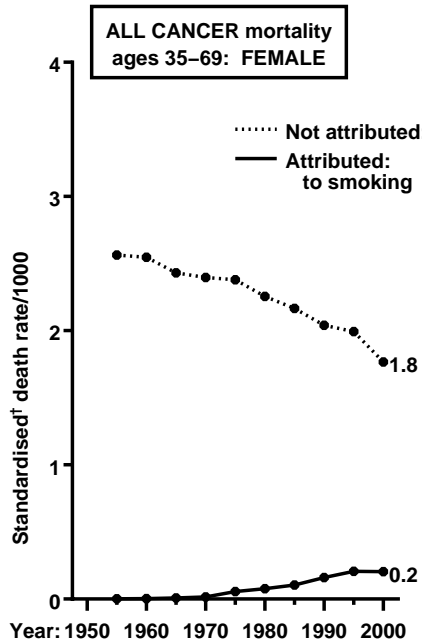
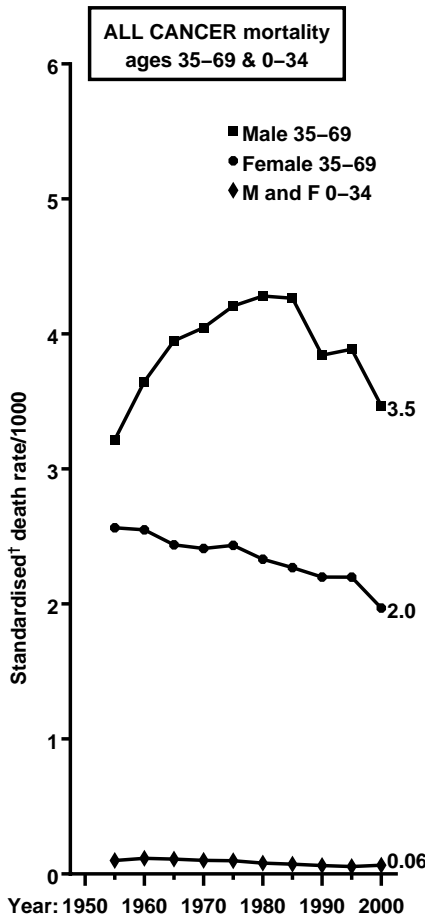
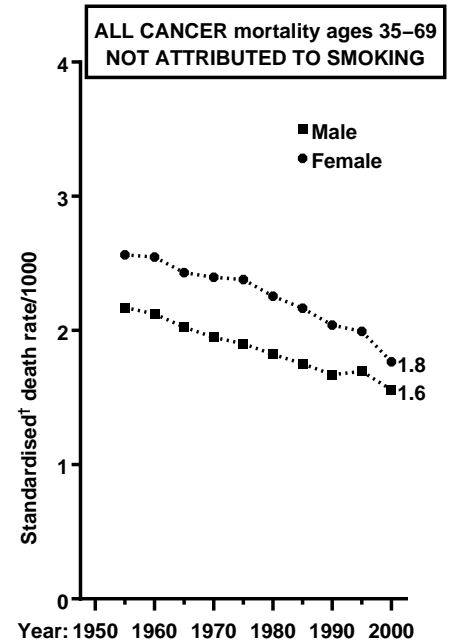
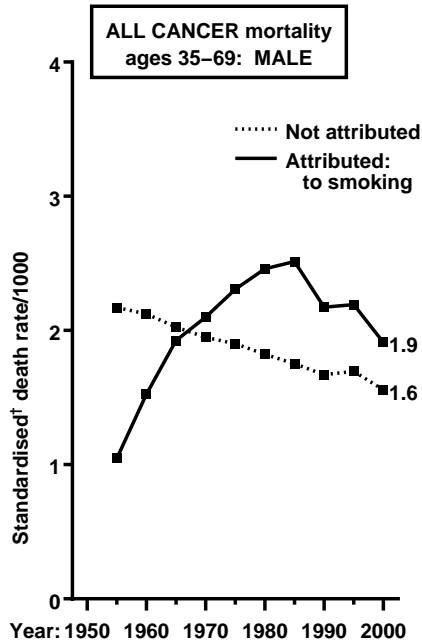
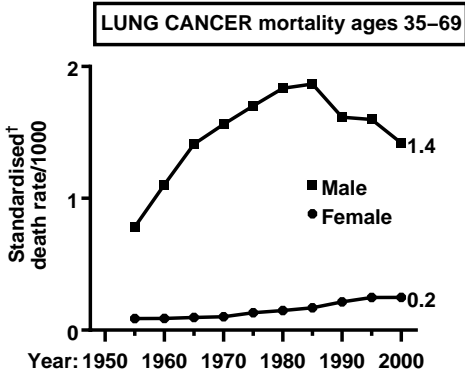
Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955	-	2.56	3.84	11.3	5.11	74.7	-	1.81	0.01	8.90	0.00	61.7	-	1.39	0.01	8.31	0.00	59.9
1960	-	2.17	4.97	10.5	8.17	73.6	-	1.39	0.01	8.31	0.00	59.9	-	1.18	0.04	7.94	0.22	54.6
1965	-	1.80	5.80	9.89	13.3	67.1	-	1.18	0.04	7.94	0.12	53.3	-	1.04	0.07	7.80	0.82	49.5
1970	-	1.71	6.10	9.52	17.6	64.3	-	0.84	0.21	6.96	0.73	41.5	-	0.80	0.25	6.09	1.02	37.4
1975	-	1.44	5.97	8.56	22.3	60.6	-	0.80	0.29	5.31	0.93	31.3	-	0.62	0.39	4.52	1.48	27.8
1980	-	1.39	5.62	7.75	23.4	48.8	-	0.56	0.48	4.21	1.49	24.7	-	0.47	0.44	3.82	1.49	24.7
1985	-	1.13	4.23	5.98	20.0	41.2	-	0.47	0.44	3.82	1.49	24.7	-	0.47	0.44	3.82	1.49	24.7
1990	-	1.07	4.03	5.58	18.7	38.1	-	0.44	0.44	3.82	1.49	24.7	-	0.44	0.44	3.82	1.49	24.7
1995	-	0.94	3.41	5.15	16.2	34.1	-	0.44	0.44	3.82	1.49	24.7	-	0.44	0.44	3.82	1.49	24.7
2000	-	0.88	3.41	5.15	16.2	34.1	-	0.44	0.44	3.82	1.49	24.7	-	0.44	0.44	3.82	1.49	24.7

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000[†]: BELGIUM

[†]2000 mortality involves 1997 rates applied to 2000 population

Trends in ALL CANCER mortality attributed and not attributed to smoking



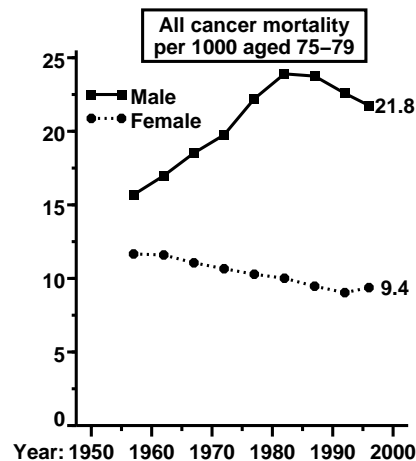
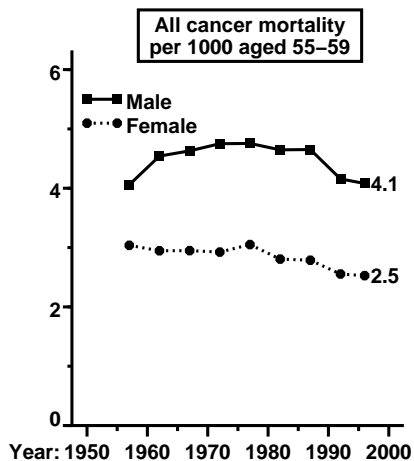
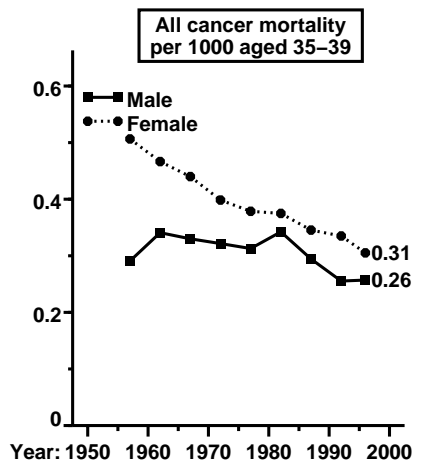
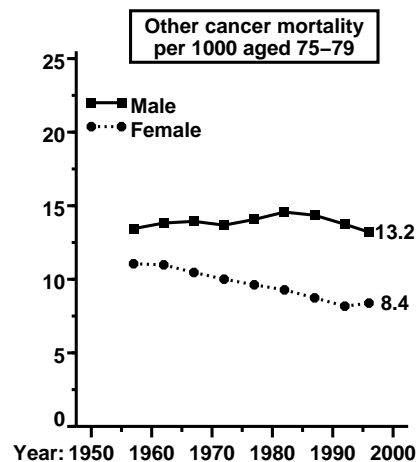
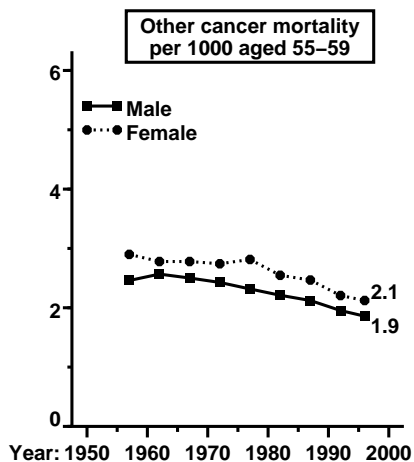
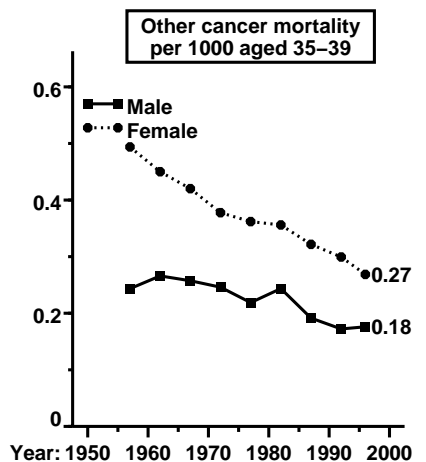
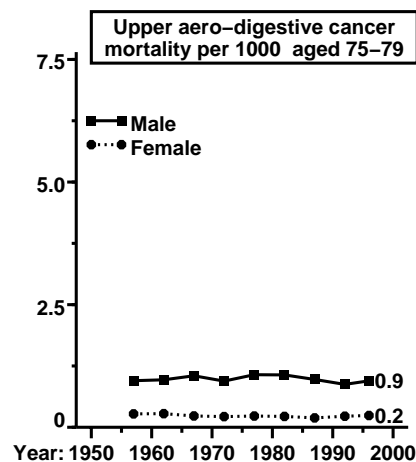
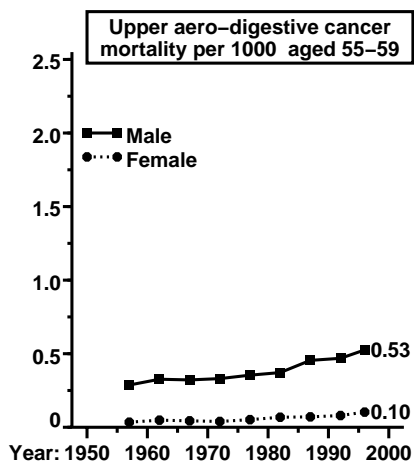
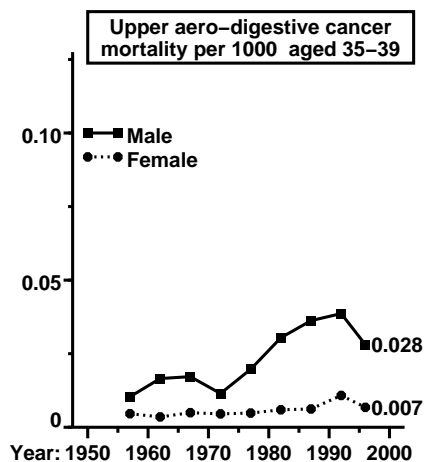
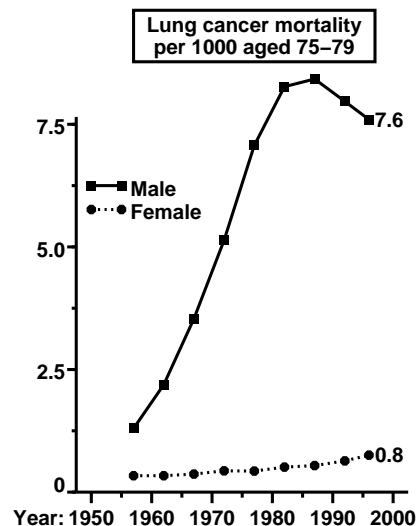
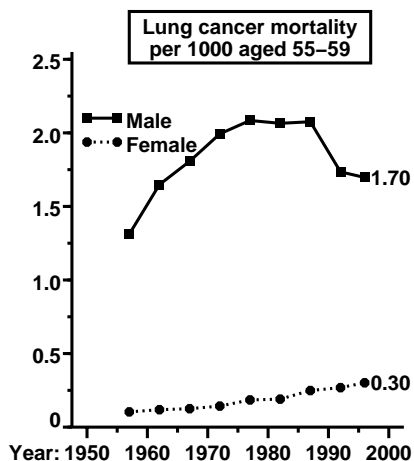
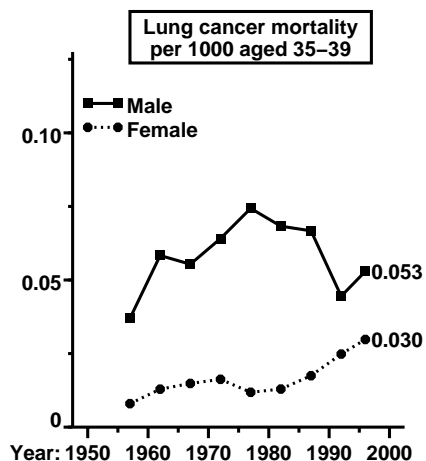
[†] Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955	-	0.10	1.05	2.17	1.57	11.9	-	0.10	0.00	2.56	0.00	10.2	-	0.10		
1960	-	0.13	1.52	2.12	2.59	12.2	-	0.10	0.00	2.55	0.00	10.1	-	0.11		
1965	-	0.11	1.92	2.02	4.54	11.5	-	0.11	0.01	2.43	0.05	9.72	-	0.09		
1970	-	0.11	2.10	1.95	6.10	11.0	-	0.09	0.01	2.40	0.02	9.28	-	0.08		
1975	-	0.11	2.31	1.90	8.50	10.5	-	0.08	0.05	2.38	0.18	8.67	-	0.08		
1980	-	0.08	2.46	1.82	10.1	10.7	-	0.08	0.08	2.25	0.20	8.49	-	0.06		
1985	-	0.08	2.51	1.75	10.7	10.2	-	0.06	0.10	2.16	0.28	8.37	-	0.05		
1990	-	0.07	2.17	1.67	9.69	10.1	-	0.05	0.16	2.04	0.29	7.58	-	0.06		
1995	-	0.05	2.19	1.69	8.96	9.51	-	0.06	0.21	1.99	0.47	7.53	-	0.06		
2000	-	0.07	1.91	1.56	8.21	8.71	-	0.06	0.20	1.77	0.52	7.01	-	0.06		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

BELGIUM: 1955-1997

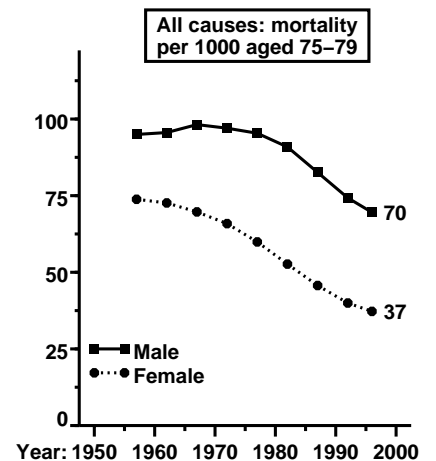
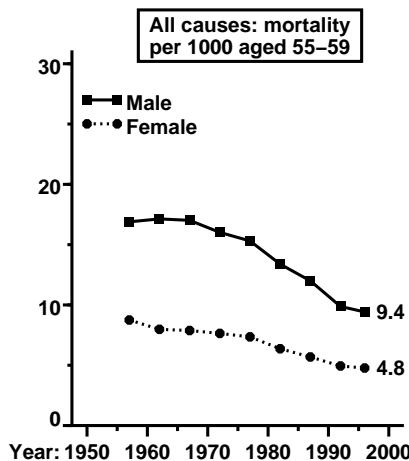
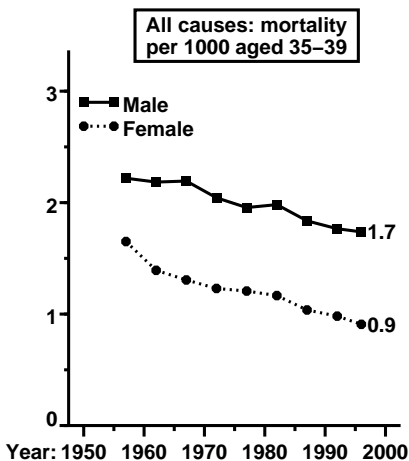
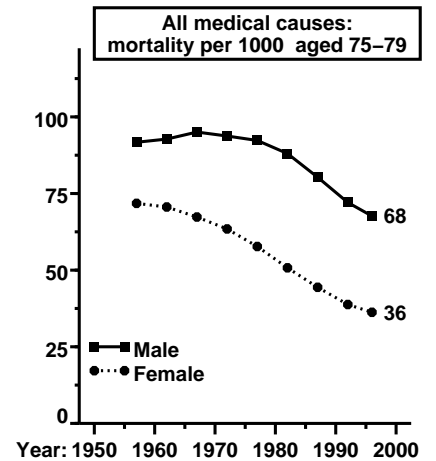
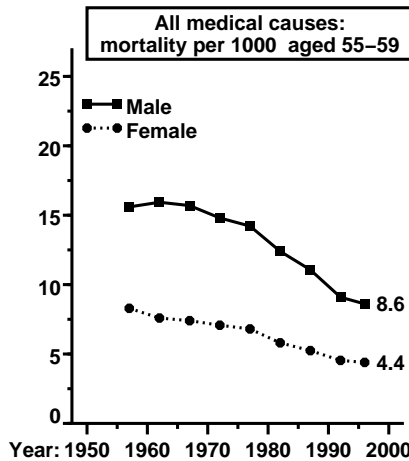
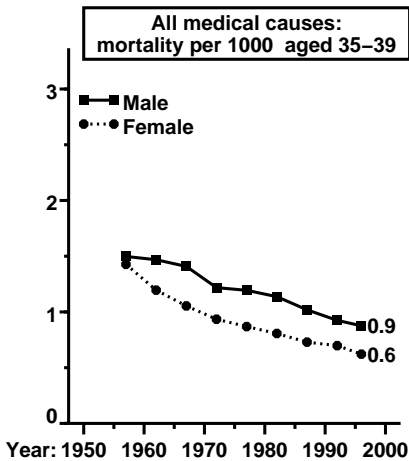
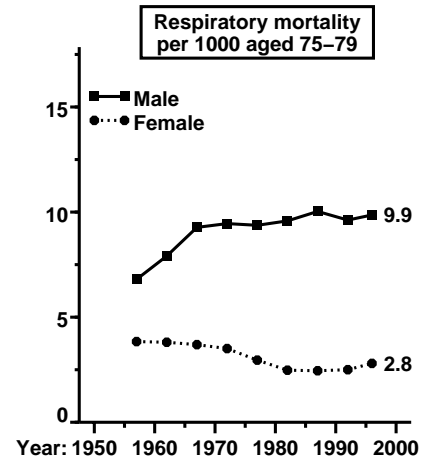
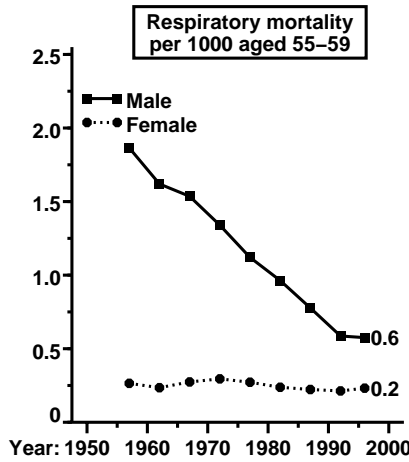
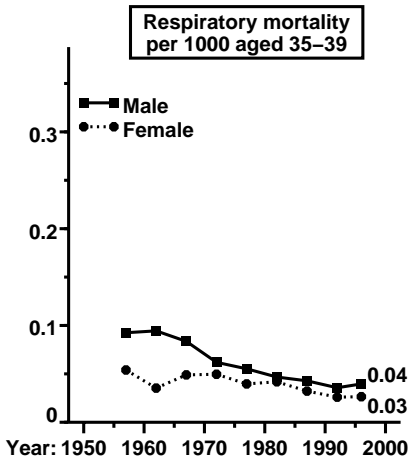
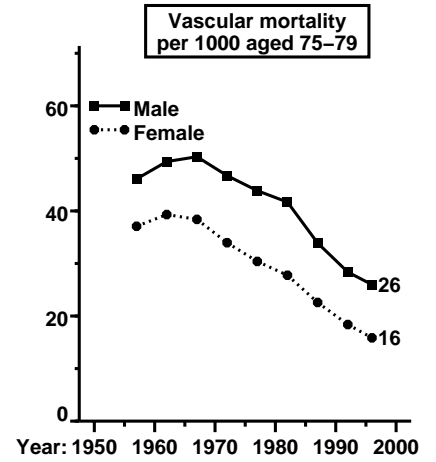
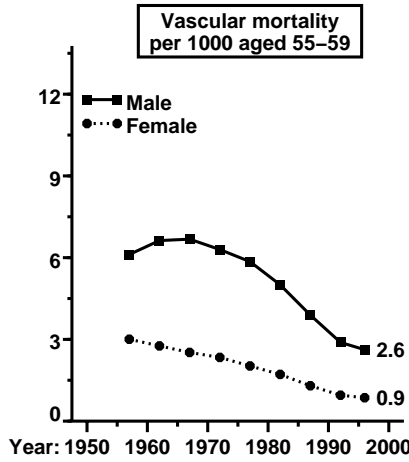
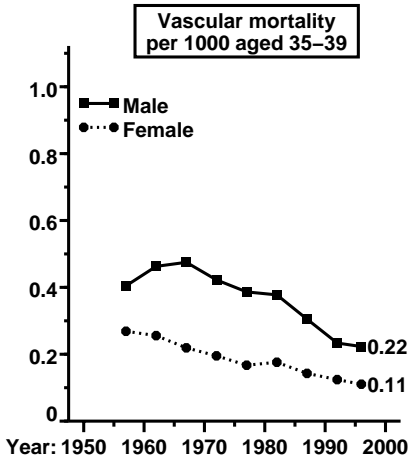
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1955–59,.....,1990–94; then 3–year average 1995–97

1955-1997: BELGIUM

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1955-59,.....,1990-94; then 3-year average 1995-97

BULGARIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	61520	2263	25482	1434.8	136.5	1590.9	392.0	39.0	32.6	78.7	107.7	120.2	185.7
	F	53567	1266	13176	918.7	85.6	726.9	324.5	24.8	18.4	43.0	49.9	50.4	88.3
Tuberculosis	M	255	15	162	5.8	0.7	9.7	-	-	-	-	0.9	2.0	2.2
	F	78	11	42	1.5	0.6	2.3	1.3	-	-	-	1.0	0.3	1.9
HIV	M	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	226	68	101	6.5	5.2	6.0	29.6	2.3	0.4	1.0	0.9	1.7	0.7
	F	165	52	55	4.4	4.2	3.0	24.7	-	0.4	0.4	1.0	0.7	2.2
ALL CANCER	M	8764	144	5166	195.2	7.6	322.2	4.2	4.5	3.7	5.6	6.3	9.6	18.9
	F	6521	145	3421	118.0	7.7	185.7	3.2	2.9	3.1	6.3	4.6	12.7	21.5
Mouth and pharynx cancer	M	230	2	185	5.4	0.1	11.2	-	-	-	-	-	0.3	0.4
	F	59	5	25	1.1	0.3	1.3	-	-	0.4	0.4	-	0.3	0.7
Oesophagus cancer	M	136	-	91	3.1	-	5.6	-	-	-	-	-	-	-
	F	38	-	19	0.7	-	1.0	-	-	-	-	-	-	-
Stomach cancer	M	993	9	544	21.7	0.5	34.5	-	0.5	-	0.3	0.3	0.3	1.8
	F	650	8	258	11.0	0.4	14.2	-	-	-	0.4	-	0.7	1.9
Colorectal cancer	M	1169	5	579	25.7	0.3	36.8	-	-	-	-	-	0.3	1.5
	F	1010	10	409	17.0	0.5	22.6	-	-	-	-	0.3	0.7	2.6
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	446	4	255	9.9	0.2	15.7	-	-	-	-	-	0.3	1.1
	F	331	2	164	5.8	0.1	8.9	-	-	0.4	-	0.3	-	-
Larynx cancer	M	352	2	261	8.0	0.1	16.0	-	-	0.4	-	-	0.3	-
	F	23	1	11	0.4	0.0	0.6	-	-	-	-	-	0.3	-
Lung cancer	M	2383	10	1678	53.3	0.5	104.5	0.6	-	0.7	0.3	0.6	-	1.5
	F	526	3	299	9.4	0.1	16.4	-	-	-	-	-	1.0	-
Malignant melanoma	M	65	3	30	1.5	0.2	1.7	-	-	-	-	-	-	1.1
	F	51	3	26	1.0	0.2	1.4	-	-	-	-	-	0.3	0.7
Female breast cancer	M	1155	12	728	22.1	0.6	39.1	-	-	-	-	-	0.3	4.1
Cervix cancer	F	340	10	239	7.0	0.5	12.4	-	-	-	-	0.7	0.7	2.2
Other uterine cancer	F	362	8	218	6.8	0.4	11.8	-	-	-	-	-	1.4	1.5
Ovarian cancer	F	311	6	207	5.9	0.3	11.1	-	-	-	0.4	-	0.7	1.1
Prostate cancer	M	664	2	193	14.6	0.1	12.8	-	-	-	-	0.3	0.3	-
Bladder cancer	M	313	1	141	6.8	0.0	9.1	-	-	-	-	-	0.3	-
	F	95	1	37	1.6	0.1	2.0	-	-	-	-	-	-	0.4
Other and ill-defined cancer sites	M	1625	61	995	36.6	3.3	61.5	3.6	1.8	1.5	3.5	1.6	4.0	7.3
	F	1251	44	612	22.2	2.5	33.7	2.5	1.4	1.2	3.3	1.6	3.4	3.7
Hodgkin's disease	M	51	10	32	1.2	0.5	1.8	-	0.5	-	-	0.3	2.0	0.7
	F	34	12	15	0.7	0.6	0.8	-	-	-	1.1	1.0	1.0	1.1
Myeloma and non-Hodgkin lymphomas	M	139	13	71	3.1	0.6	4.4	-	0.5	-	0.7	0.9	1.0	1.5
	F	111	5	53	2.0	0.3	2.9	0.6	0.5	-	-	0.3	0.3	0.4
Leukaemia	M	198	22	111	4.4	1.1	6.8	-	1.4	1.1	0.7	2.2	0.3	2.2
	F	174	15	101	3.4	0.8	5.4	-	1.0	1.2	0.7	0.3	1.4	1.1
Diabetes	M	903	12	398	19.6	0.6	25.5	-	-	0.4	-	-	1.3	2.5
	F	1181	23	393	19.1	1.2	22.0	0.6	-	-	0.7	2.0	2.7	2.2
ALL VASCULAR DISEASE	M	38692	315	13967	891.7	17.3	886.6	24.2	5.4	3.0	8.4	13.5	21.6	44.7
	F	37449	185	7260	614.8	10.9	404.9	22.1	3.8	1.2	7.4	9.5	10.6	21.9
Rheumatic heart disease and fever	M	112	3	86	2.5	0.2	5.3	-	0.5	-	-	0.3	-	0.4
	F	148	-	90	2.6	-	5.0	-	-	-	-	-	-	-
Hypertensive disease	M	2041	11	909	46.5	0.6	57.4	-	-	-	0.7	-	0.7	2.5
	F	2207	2	567	36.1	0.1	31.6	-	-	-	-	-	-	0.7
Ischaemic heart disease	M	10893	60	4452	251.0	3.0	280.9	-	-	-	0.7	1.6	5.6	13.1
	F	8984	15	1732	147.1	0.8	96.8	-	-	-	0.4	1.3	1.4	2.2
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	10501	69	3671	236.5	3.7	235.8	3.6	0.9	1.1	1.7	4.1	4.3	9.8
	F	11210	40	2300	180.5	2.3	128.4	3.2	1.0	0.4	1.5	2.0	2.1	5.9
Other vascular disease, incl. venous	M	15145	172	4849	355.1	9.9	307.2	20.6	4.1	1.9	5.2	7.5	11.0	18.9
	F	14900	128	2571	248.6	7.8	143.0	19.0	2.9	0.8	5.5	6.2	7.2	13.0
Chronic obstructive pulmonary disease	M	1031	4	424	23.4	0.2	27.6	0.6	-	-	-	0.3	-	0.7
	F	572	3	128	9.6	0.3	7.1	1.9	-	-	-	-	-	-
Other respiratory disease	M	1709	204	589	42.8	15.0	36.4	79.2	3.6	2.2	4.5	4.4	3.7	7.6
	F	1188	137	239	23.5	10.8	13.1	60.1	2.4	2.0	2.9	2.3	2.1	4.1
Peptic ulcer	M	157	1	86	3.4	0.1	5.3	-	-	-	-	-	-	0.4
	F	65	-	14	1.1	-	0.8	-	-	-	-	-	-	-
Liver cirrhosis	M	1199	33	895	27.6	1.7	53.7	-	0.5	1.1	0.7	0.6	1.3	7.6
	F	358	6	200	6.6	0.4	11.0	1.3	-	-	-	0.7	0.3	0.4
Renal disease	M	521	21	233	11.9	1.3	14.4	4.2	-	-	0.7	-	3.0	1.1
	F	421	7	175	7.2	0.4	9.7	0.6	-	0.4	-	0.7	-	1.1
Pregnancy, birth	F	13	7	6	0.3	0.3	0.3	-	-	-	0.4	1.3	0.3	0.4
Congenital and perinatal causes	M	334	331	3	16.0	28.4	0.2	196.6	1.4	-	-	0.3	0.7	-
	F	263	261	2	13.0	23.2	0.1	158.8	1.0	0.4	1.5	0.7	-	0.4
Ill-defined causes	M	2666	107	755	69.7	5.9	46.4	11.5	0.5	1.5	5.2	8.2	5.6	9.1
	F	3012	53	377	54.5	3.5	20.7	12.0	1.0	0.8	1.8	1.6	3.1	4.1
Other medical causes	M	1594	137	737	37.6	8.4	45.0	23.6	7.3	3.4	5.6	6.3	5.0	8.0
	F	1097	97	363	20.2	6.2	19.7	16.4	5.2	2.0	4.0	5.3	2.7	7.4
ALL NON-MEDICAL CAUSES	M	3469	871	1966	83.7	44.1	111.8	18.1	13.6	16.9	47.0	65.9	64.7	82.1
	F	1184	279	501	24.9	15.8	26.6	21.5	8.6	8.2	17.7	19.4	14.7	20.8
Motor vehicle traffic accidents	M	629	224	329	15.1	11.2	18.6	3.6	2.7	2.6	13.6	18.5	18.6	18.5
	F	228	74	99	4.9	4.0	5.3	2.5	1.4	2.7	5.5	7.2	2.1	6.3
Fire	M	67	8	41	1.5	0.4	2.4	-	-	1.1	0.3	0.6	0.3	0.4
	F	27	2	7	0.5	0.1	0.4	-	0.5	-	-	-	0.3	-
Suicide	M	1001	161	574	24.0	7.9	32.5	-	-	1.9	4.9	12.6	12.9	22.9
	F	382	57	177	7.5	2.9	9.3	-	-	-	2.9	3.9	5.5	7.8
Homicide	M	205	74	113	4.9	3.6	6.2	-	0.5	1.1	3.1	7.8	5.3	7.3
	F	85	23	43	1.9	1.3	2.3	1.3	-	1.2	1.5	2.0	1.0	1.9
POPULATION:														
(1000s; UN, 2002 revision)			M=male		3939.4	1834.9	1758.7	165.3	220.6	266.8	287.3	318.5	301.2	275.2
			F=female		4159.1	1760.1	1903.2	158.1	209.7	255.1	271.8	304.4	291.6	269.4

2000: BULGARIA

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
269.5	464.7	781.8	1246.1	1843.4	2626.1	3904.5	5971.5	9525.2	20144.9	M	ALL CAUSES	001-999/A00-Y89
125.3	198.6	290.1	466.4	754.6	1218.9	2034.5	3789.1	6863.9	17967.2	F		
2.9	6.8	5.6	11.5	10.8	13.0	17.2	20.2	23.8	26.5	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.7	1.7	2.3	0.7	0.8	3.3	6.3	5.0	5.9	3.7	F		
-	-	-	-	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
3.3	2.9	4.2	6.5	7.6	6.8	11.0	10.7	21.2	23.4	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.5	1.7	2.7	2.7	3.2	4.6	4.3	7.7	10.1	22.5	F		
41.5	76.3	161.0	279.8	406.2	532.6	758.5	902.6	1065.3	1134.0	M	ALL CANCER	140-208/C00-C97
48.6	74.7	117.7	172.6	219.1	290.4	376.9	497.3	626.0	751.9	F		
0.7	2.5	9.4	14.3	18.0	15.9	17.2	13.7	8.8	15.6	M	Mouth and pharynx cancer	140-149/C00-C14
1.1	0.7	0.3	1.7	0.8	1.7	3.1	4.1	5.9	9.4	F		
0.4	1.1	4.5	5.4	4.9	13.0	10.0	10.1	14.1	18.7	M	Oesophagus cancer	150/C15
0.4	0.3	-	1.3	0.8	1.7	2.7	2.3	5.3	4.7	F		
3.6	5.7	12.9	25.5	40.8	57.9	95.0	111.7	142.1	141.7	M	Stomach cancer	151/C16
1.1	3.1	6.3	11.4	15.4	22.8	39.2	57.7	81.7	111.4	F		
2.9	9.7	14.0	23.3	42.2	63.2	102.1	142.6	180.1	219.6	M	Colorectal cancer	153, 154/C18-C21
2.6	5.6	7.7	17.0	27.9	37.6	59.6	95.0	127.8	155.4	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
2.9	4.3	10.5	14.0	24.7	20.7	32.5	49.9	59.1	56.1	M	Pancreas cancer	157/C25
0.7	2.1	5.0	9.0	9.3	15.3	21.2	29.5	34.3	39.3	F		
1.1	3.9	10.8	16.9	23.3	22.7	33.4	20.8	32.7	26.5	M	Larynx cancer	161/C32
-	0.7	0.7	0.3	0.8	0.8	0.8	0.9	3.0	3.7	F		
8.4	21.1	54.8	100.4	135.1	179.9	231.5	221.0	195.9	157.3	M	Lung cancer	162/C33, C34
2.6	4.9	10.0	13.0	20.3	26.9	36.9	47.3	43.8	43.1	F		
1.1	1.4	3.1	1.4	0.9	1.0	2.9	8.3	7.9	14.0	M	Malignant melanoma	172/C43
1.1	1.0	1.3	1.3	0.8	2.5	1.6	2.7	2.4	11.2	F		
13.9	19.9	29.7	44.7	47.4	59.2	58.8	65.9	87.0	115.2	F	Female breast cancer	174/C50
7.3	11.5	16.7	16.0	11.7	13.7	10.2	15.0	20.1	22.5	F	Cervix cancer	180/C53
6.2	5.9	7.7	10.0	12.6	19.9	20.4	21.4	27.8	39.3	F	Other uterine cancer	179, 182/C54, C55
2.9	3.5	8.3	13.7	15.4	14.9	19.2	23.6	17.2	15.9	F	Ovarian cancer	183/C56, C570-C574
-	1.1	1.0	4.7	9.0	24.6	49.2	80.8	163.3	230.5	M	Prostate cancer	185/C61
0.7	2.1	2.4	4.3	9.0	17.8	27.2	41.6	53.0	63.9	M	Bladder cancer	188/C67
-	0.3	1.0	3.0	2.4	2.5	4.7	6.4	13.6	18.7	F		
12.4	17.9	31.8	57.7	81.7	97.4	131.3	164.6	166.8	160.4	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
5.5	10.1	16.7	22.7	44.6	55.0	81.2	104.1	129.6	137.6	F		
3.3	1.4	1.0	1.1	2.2	1.0	2.9	4.8	0.9	-	M	Hodgkin's disease	201/C81
0.4	0.3	1.0	0.7	0.8	0.4	2.0	1.8	1.8	-	F		
1.1	2.5	1.7	3.6	6.7	8.2	6.7	15.4	15.9	17.1	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.1	1.0	1.0	2.0	3.2	6.6	5.5	10.5	11.8	9.4	F		
2.9	1.4	2.8	7.2	7.6	9.2	16.7	17.2	24.7	12.5	M	Leukaemia	204-208/C91-C95
1.8	3.5	4.3	4.7	4.9	9.1	9.8	9.1	13.0	15.0	F		
2.2	3.9	8.7	15.4	24.7	43.4	80.2	106.4	170.3	188.5	M	Diabetes	250/E10-E14
1.1	3.5	4.7	9.3	17.8	43.9	73.7	113.6	174.6	206.0	F		
77.9	179.4	342.9	618.0	991.9	1564.4	2431.5	4076.6	6949.7	15070.1	M	ALL VASCULAR DISEASE	390-459/I00-I99
33.2	64.2	99.0	195.0	394.5	706.2	1342.4	2739.1	5329.0	14018.7	F		
0.7	2.5	2.4	6.1	5.8	8.2	11.0	6.5	8.8	3.1	M	Rheumatic heart disease and fever	390-398/I00-I09
-	1.4	0.7	2.3	9.7	7.9	13.3	15.9	13.0	0.9	F		
4.7	8.6	27.9	42.0	69.1	96.0	153.7	219.8	304.5	632.4	M	Hypertensive disease	401-405/I10-I15
1.5	5.6	7.7	18.4	33.2	60.0	94.9	173.6	326.6	659.2	F		
30.2	56.6	121.2	212.0	333.9	496.9	715.5	1118.8	1769.6	3883.2	M	Ischaemic heart disease	410-414/I20-I25
9.5	15.7	20.7	41.1	91.9	170.9	327.8	645.0	1277.5	3426.0	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
11.7	39.7	75.1	139.2	249.6	431.7	703.6	1230.5	2066.2	3658.9	M	Cerebrovascular disease	430-438/I60-169
5.8	17.1	32.3	56.8	111.4	225.9	449.8	958.6	1700.0	3640.4	F		
30.6	72.0	116.3	218.8	333.5	531.6	847.7	1500.9	2800.5	6892.5	M	Other vascular disease, incl. venous	Rest of 390-459/ rest of I00-I99
16.4	24.4	37.7	76.5	148.2	241.6	456.5	945.9	2011.8	6292.1	F		
1.8	1.8	5.9	13.6	26.9	59.8	83.5	115.3	165.9	344.2	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.4	1.7	2.0	4.3	10.5	9.1	21.6	46.4	72.8	202.2	F		
9.8	16.8	19.9	23.7	44.4	46.3	94.0	148.5	278.0	546.7	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.6	5.6	6.3	8.7	10.5	24.8	33.3	66.4	145.6	393.3	F		
0.4	1.1	2.8	6.5	6.3	7.2	12.9	22.0	21.2	14.0	M	Peptic ulcer	531-533/K25-K27
-	0.7	-	-	0.4	1.7	2.7	4.1	8.9	25.3	F		
11.3	18.3	47.1	62.1	74.5	73.8	88.8	77.8	88.3	62.3	M	Liver cirrhosis	571/K70, K74
3.7	2.8	4.0	10.0	15.8	21.1	19.6	35.0	22.5	34.6	F		
3.3	5.0	8.0	11.8	18.0	25.6	29.1	55.9	86.5	116.8	M	Renal disease	580-590/N00-N19
2.2	2.8	3.3	6.3	14.2	15.3	23.5	36.4	58.0	57.1	F		
1.5	0.3	0.3	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
0.4	-	0.7	-	-	-	-	-	-	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
-	-	0.7	-	-	-	-	-	-	-	F		
9.5	17.9	27.6	40.5	58.3	77.2	94.0	155.1	254.2	1954.8	M	Ill-defined causes	780-799/R00-R99
3.3	8.0	9.0	14.7	21.9	37.2	51.0	100.5	189.9	1910.1	F		
13.8	19.3	29.7	38.0	56.6	65.1	92.1	140.8	223.3	358.3	M	Other medical causes	Rest of 001-799/ rest of A00-R99
8.8	10.5	12.7	16.0	20.7	29.0	40.0	78.6	141.4	210.7	F		
91.4	115.3	117.7	118.7	117.1	111.0	111.7	139.6	177.4	305.3	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
17.9	20.2	25.3	26.0	25.1	32.3	39.2	59.1	79.3	131.1	F		
17.1	19.7	23.4	17.6	16.2	17.4	18.6	16.6	28.2	24.9	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
2.6	3.8	4.3	6.3	4.1	9.1	6.7	11.8	10.7	10.3	F		
1.8	2.1	1.7	2.2	1.8	2.9	4.3	4.8	5.3	6.2	M	Fire	E890-E899/X00-X09
-	-	0.3	-	0.4	0.8	1.2	0.9	4.1	8.4	F		
29.1	31.5	33.9	38.0	34.6	33.8	26.7	51.1	70.6	155.8	M	Suicide	E950-E959/X60-X84
6.2	5.9	10.3	10.7	6.5	12.0	13.7	21.8	27.2	50.6	F		
4.4	9.7	7.3	7.9	5.8	4.8	3.8	3.0	7.9	6.2	M	Homicide	E960-E969/ X85-X99, Y00-Y09
2.9	1.7	1.7	1.3	3.6	1.7	3.1	2.7	5.3	3.7	F		
274.6	279.3	286.4	278.8	222.8	207.3	209.5	168.3	113.3	64.2	M	POPULATION	
273.7	286.5	299.9	299.5	246.9	241.7	255.0	220.0	169.0	106.8	F	(1000s; UN, 2002 revision)	

BULGARIA: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2787	236	18	8	210	7	257	281	36	784	1186
35-69	Sm.	8801	2848	1870	427	551	365	295	4433	-	860	-
	Total	28307 (31%)	5926 (48%)	2012 (93%)	627 (68%)	3287 (17%)	478 (76%)	891 (33%)	14791 (30%)	1195	2600 (33%)	2426
70+	Sm.	2731	769	547	74	148	357	60	1355	-	190	-
	Total	32306 (8%)	3287 (23%)	669 (82%)	185 (40%)	2433 (6%)	670 (53%)	1017 (6%)	22967 (6%)	292	3426 (6%)	647
Any age	Sm.	11532	3617	2417	501	699	722	355	5788	-	1050	-
	Total	63400 (18%)	9449 (38%)	2699 (90%)	820 (61%)	5930 (12%)	1155 (63%)	2165 (16%)	38039 (15%)	1523	6810 (15%)	4259
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2263	144	10	4	130	4	204	315	33	692	871
35-69	Sm.	7368	2325	1543	344	438	315	173	3818	-	737	-
	Total	25482 (29%)	5166 (45%)	1678 (92%)	537 (64%)	2951 (15%)	424 (74%)	589 (29%)	13967 (27%)	895	2475 (30%)	1966
70+	Sm.	2624	768	558	65	145	308	49	1319	-	180	-
	Total	33775 (8%)	3454 (22%)	695 (80%)	177 (37%)	2582 (6%)	603 (51%)	916 (5%)	24410 (5%)	271	3489 (5%)	632
Any age	Sm.	9992	3093	2101	409	583	623	222	5137	-	917	-
	Total	61520 (16%)	8764 (35%)	2383 (88%)	718 (57%)	5663 (10%)	1031 (60%)	1709 (13%)	38692 (13%)	1199	6656 (14%)	3469

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	4116.8	1967.7	1822.1	286.8	298.0	295.5	242.4	234.1	248.6	216.7	169.8	72.3	84.9
2000	3939.4	1834.9	1758.7	274.6	279.3	286.4	278.8	222.8	207.3	209.5	168.3	113.3	64.2
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	63400	2787	28307	944	1654	2669	3212	4473	6815	8540	10237	6841	15228
2000	61520	2263	25482	740	1298	2239	3474	4107	5444	8180	10050	10792	12933
Lung cancer													
1995	2699	18	2012	35	77	196	234	411	540	519	389	154	126
2000	2383	10	1678	23	59	157	280	301	373	485	372	222	101
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	1432.4*	148.7*	1672.2*	329.1	555.0	903.2	1325.1	1910.7	2741.4	3940.9	6028.9	9462.0	17936.4
2000	1434.8*	136.5*	1590.9*	269.5	464.7	781.8	1246.1	1843.4	2626.1	3904.5	5971.5	9525.2	20144.9
All cancer													
1995	209.6*	11.9*	351.0*	46.7	97.7	182.1	278.5	480.6	596.9	774.8	922.3	1160.4	1038.9
2000	195.2*	7.6*	322.2*	41.5	76.3	161.0	279.8	406.2	532.6	758.5	902.6	1065.3	1134.0
Lung cancer													
1995	59.6*	0.9*	119.0*	12.2	25.8	66.3	96.5	175.6	217.2	239.5	229.1	213.0	148.4
2000	53.3*	0.5*	104.5*	8.4	21.1	54.8	100.4	135.1	179.9	231.5	221.0	195.9	157.3
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	18.6*	0.4*	36.4*	4.2	12.1	32.5	40.4	53.0	54.7	57.7	58.9	74.7	36.5
2000	16.5*	0.2*	32.8*	2.2	7.5	24.8	36.6	46.2	51.6	60.6	44.6	55.6	60.7
Other cancer													
1995	131.4*	10.6*	195.6*	30.3	59.7	83.2	141.5	252.0	325.0	477.6	634.3	872.8	853.9
2000	125.5*	6.8*	185.0*	31.0	47.6	81.4	142.8	224.9	301.0	466.3	637.0	813.8	915.9
Chronic obstructive pulmonary disease (COPD)													
1995	25.2*	0.4*	29.2*	2.4	2.0	7.4	16.1	26.5	55.5	94.1	147.8	222.7	303.9
2000	23.4*	0.2*	27.6*	1.8	1.8	5.9	13.6	26.9	59.8	83.5	115.3	165.9	344.2
Other respiratory disease													
1995	51.5*	15.3*	52.0*	12.9	25.8	33.2	50.3	55.5	75.6	110.3	176.7	322.3	570.1
2000	42.8*	15.0*	36.4*	9.8	16.8	19.9	23.7	44.4	46.3	94.0	148.5	278.0	546.7
Vascular disease													
1995	848.9*	14.2*	886.7*	92.1	190.6	375.3	624.6	957.3	1564.0	2402.9	4058.9	6715.1	13215.5
2000	891.7*	17.3*	886.6*	77.9	179.4	342.9	618.0	991.9	1564.4	2431.5	4076.6	6949.7	15070.1
Liver cirrhosis													
1995	34.9*	1.8*	68.3*	22.0	43.0	55.2	84.6	79.0	93.3	101.1	93.1	109.3	64.8
2000	27.6*	1.7*	53.7*	11.3	18.3	47.1	62.1	74.5	73.8	88.8	77.8	88.3	62.3
Other medical causes													
1995	161.2*	46.1*	151.3*	45.7	67.8	105.9	126.7	165.3	227.3	320.7	483.5	720.6	2454.7
2000	170.5*	50.7*	152.5*	35.7	56.9	87.3	130.2	182.2	238.3	336.5	511.0	800.5	2682.2
All non-medical causes													
1995	101.0*	59.0*	133.8*	107.4	128.2	144.2	144.4	146.5	128.7	137.1	146.6	211.6	288.6
2000	83.7*	44.1*	111.8*	91.4	115.3	117.7	118.7	117.1	111.0	111.7	139.6	177.4	305.3

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: BULGARIA

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1471	181	4	9	168	4	186	164	12	590	334
35-69	Sm.	809	203	160	15	28	59	16	436	-	95	-
	Total	13715 (6%)	3727 (5%)	328 (49%)	72 (21%)	3327 (1%)	167 (35%)	257 (6%)	7271 (6%)	229	1509 (6%)	555
70+	Sm.	882	130	104	9	17	137	17	524	-	74	-
	Total	36084 (2%)	2714 (5%)	234 (44%)	58 (16%)	2422 (1%)	443 (31%)	903 (2%)	27460 (2%)	154	4024 (2%)	386
Any age	Sm.	1691	333	264	24	45	196	33	960	-	169	-
	Total	51270 (3%)	6622 (5%)	566 (47%)	139 (17%)	5917 (1%)	614 (32%)	1346 (2%)	34895 (3%)	395	6123 (3%)	1275
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1266	145	3	6	136	3	137	185	6	511	279
35-69	Sm.	679	167	134	10	23	40	13	380	-	79	-
	Total	13176 (5%)	3421 (5%)	299 (45%)	55 (18%)	3067 (1%)	128 (31%)	239 (5%)	7260 (5%)	200	1427 (6%)	501
70+	Sm.	492	81	66	5	10	69	8	294	-	40	-
	Total	39125 (1%)	2955 (3%)	224 (29%)	59 (8%)	2672 (0%)	441 (16%)	812 (1%)	30004 (1%)	152	4357 (1%)	404
Any age	Sm.	1171	248	200	15	33	109	21	674	-	119	-
	Total	53567 (2%)	6521 (4%)	526 (38%)	120 (13%)	5875 (1%)	572 (19%)	1188 (2%)	37449 (2%)	358	6295 (2%)	1184

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
	1995	4289.6	1892.4	1948.5	290.5	305.4	306.9	255.9	255.4	278.2	256.2	221.4	97.9	129.4
	2000	4159.1	1760.1	1903.2	273.7	286.5	299.9	299.5	246.9	241.7	255.0	220.0	169.0	106.8
NUMBER OF DEATHS (Source: WHO)														
All causes														
	1995	51270	1471	13715	343	584	938	1202	1939	3377	5332	8488	6726	20870
	2000	53567	1266	13176	343	569	870	1397	1863	2946	5188	8336	11600	19189
Lung cancer														
	1995	566	4	328	5	12	31	45	54	77	104	110	61	63
	2000	526	3	299	7	14	30	39	50	65	94	104	74	46
ANNUAL DEATH RATE / 100,000														
All causes					(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)									
	1995	884.7*	84.7*	734.1*	118.1	191.2	305.6	469.7	759.2	1213.9	2081.2	3833.8	6870.3	16128.3
	2000	918.7*	85.6*	726.9*	125.3	198.6	290.1	466.4	754.6	1218.9	2034.5	3789.1	6863.9	17967.2
All cancer														
	1995	123.4*	9.6*	197.6*	48.2	73.0	127.1	170.8	235.7	310.9	417.6	544.7	662.9	663.8
	2000	118.0*	7.7*	185.7*	48.6	74.7	117.7	172.6	219.1	290.4	376.9	497.3	626.0	751.9
Lung cancer														
	1995	10.4*	0.2*	17.5*	1.7	3.9	10.1	17.6	21.1	27.7	40.6	49.7	62.3	48.7
	2000	9.4*	0.1*	16.4*	2.6	4.9	10.0	13.0	20.3	26.9	36.9	47.3	43.8	43.1
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
	1995	2.7*	0.5*	3.8*	1.7	0.7	2.6	4.3	4.3	4.0	9.4	10.4	15.3	15.5
	2000	2.2*	0.3*	3.0*	1.5	1.7	1.0	3.3	2.4	4.1	6.7	7.3	14.2	17.8
Other cancer														
	1995	110.3*	8.9*	176.2*	44.8	68.4	114.4	148.9	210.3	279.3	367.7	484.6	585.3	599.7
	2000	106.4*	7.3*	166.4*	44.6	68.1	106.7	156.3	196.4	259.4	333.3	442.7	568.0	691.0
Chronic obstructive pulmonary disease (COPD)														
	1995	10.5*	0.2*	9.0*	0.7	2.3	2.6	3.5	12.1	16.2	25.4	41.1	104.2	193.2
	2000	9.6*	0.3*	7.1*	0.4	1.7	2.0	4.3	10.5	9.1	21.6	46.4	72.8	202.2
Other respiratory disease														
	1995	25.7*	11.6*	13.7*	3.1	5.9	7.2	10.2	15.7	13.7	40.6	93.5	164.5	413.4
	2000	23.5*	10.8*	13.1*	2.6	5.6	6.3	8.7	10.5	24.8	33.3	66.4	145.6	393.3
Vascular disease														
	1995	578.9*	8.6*	392.1*	32.4	58.0	102.6	199.7	368.4	685.8	1297.8	2720.9	5311.5	12547.1
	2000	614.8*	10.9*	404.9*	33.2	64.2	99.0	195.0	394.5	706.2	1342.4	2739.1	5329.0	14018.7
Liver cirrhosis														
	1995	7.2*	0.6*	12.2*	2.4	4.3	6.8	8.6	13.7	19.4	30.1	31.6	28.6	43.3
	2000	6.6*	0.4*	11.0*	3.7	2.8	4.0	10.0	15.8	21.1	19.6	35.0	22.5	34.6
Other medical causes														
	1995	112.4*	36.4*	80.4*	14.5	27.8	36.2	50.8	87.3	138.0	208.4	339.2	506.6	2146.1
	2000	121.3*	39.6*	78.5*	19.0	29.3	35.7	49.7	79.0	134.9	201.6	345.9	588.8	2435.4
All non-medical causes														
	1995	26.6*	17.6*	29.1*	16.9	20.0	23.1	26.2	26.2	29.8	61.3	62.8	91.9	121.3
	2000	24.9*	15.8*	26.6*	17.9	20.2	25.3	26.0	25.1	32.3	39.2	59.1	79.3	131.1

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

BULGARIA: 2000**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 2.3	– / 1.3	–
35–69	7.4 / 25	0.7 / 13	20 years
70+	2.6 / 34	0.5 / 39	8 years
All ages	10 / 62	1.2 / 54	17 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

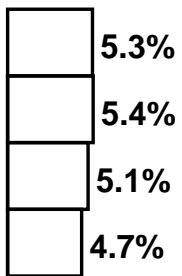
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	1.5/1.7	0.6/0.7	2.1/2.4	–/0.0	0.1/0.3	0.1/0.2	0.2/0.5
All Cancer	–/0.1	2.3/5.2 (45%)	0.8/3.5 (22%)	3.1/8.8	–/0.1	0.2/3.4 (5%)	0.1/3.0 (3%)	0.2/6.5
Vascular	–/0.3	3.8/14	1.3/24	5.1/39	–/0.2	0.4/7.3	0.3/30	0.7/37
Respiratory	–/0.2	0.5/1.0	0.4/1.5	0.8/2.7	–/0.1	0.1/0.4	0.1/1.3	0.1/1.8
All Other	–/1.6	0.7/5.3	0.2/4.4	0.9/11	–/0.8	0.1/2.1	0.0/4.9	0.1/7.8
All Causes	–/2.3	7.4/25 (29%)	2.6/34 (8%)	10/62	–/1.3	0.7/13 (5%)	0.5/39 (1%)	1.2/54

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	3.1 / 8.8 (35%)	0.2 / 6.5 (4%)	3.3 / 15 (22%)
All Causes	10 / 62 (16%)	1.2 / 54 (2%)	11 / 115 (10%)

1985-2000: BULGARIA

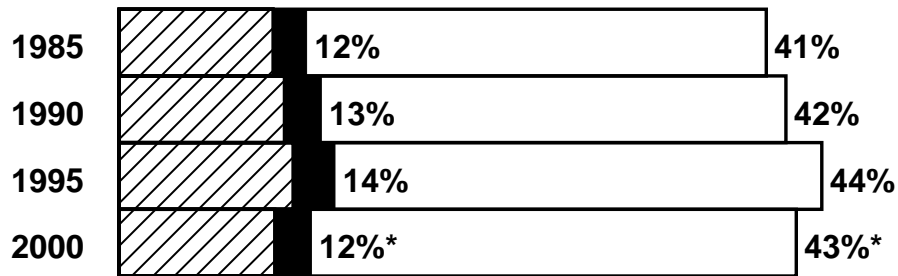
Population risk of dying at ages 0–34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

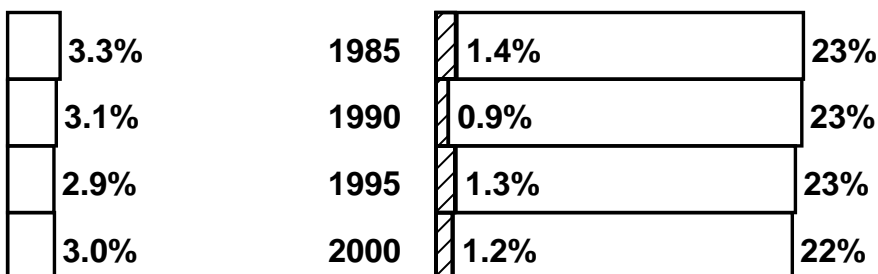
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 43 would die before age 70 (with 12 of these deaths attributed to smoking)

FEMALE



BULGARIA: 1980-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/3.4	7.5/24 (31%)	2.8/32 (9%)	10/59	-/2.0	0.7/13 (6%)	0.9/33 (3%)	1.6/48
1990	-/3.3	8.4/27 (31%)	2.2/30 (8%)	11/60	-/1.8	0.5/14 (4%)	0.5/33 (1%)	1.0/49
1995	-/2.8	8.8/28 (31%)	2.7/32 (8%)	12/63	-/1.5	0.8/14 (6%)	0.9/36 (2%)	1.7/51
2000	-/2.3	7.4/25 (29%)	2.6/34 (8%)	10/62	-/1.3	0.7/13 (5%)	0.5/39 (1%)	1.2/54

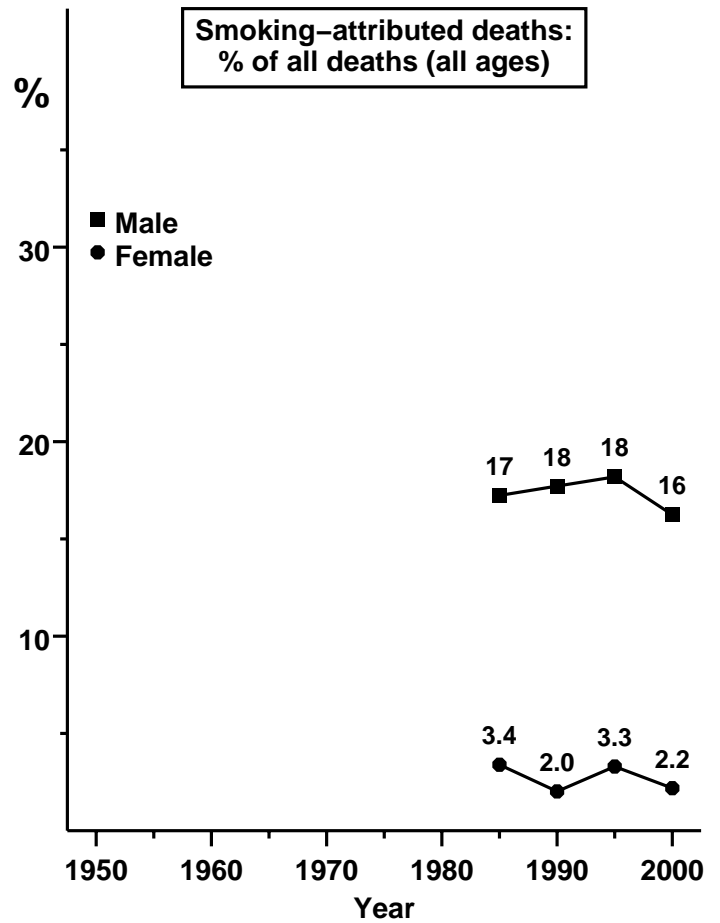
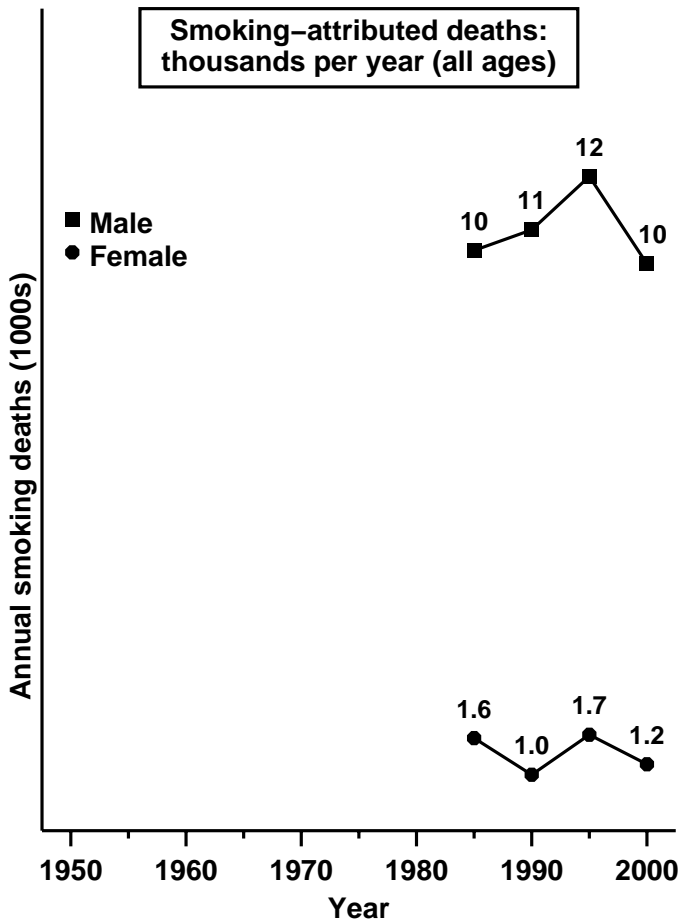
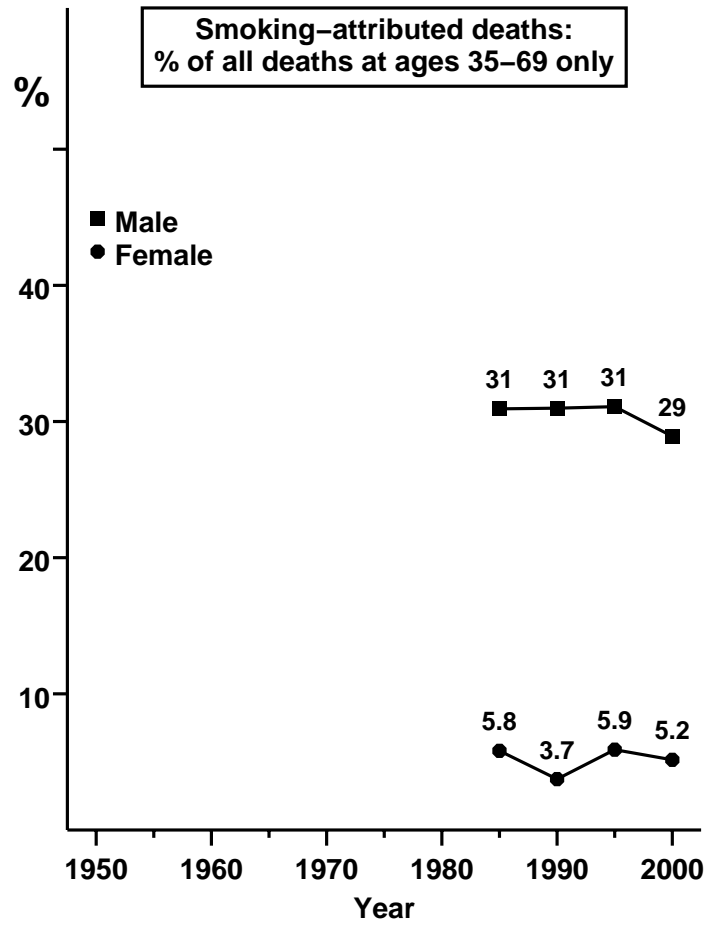
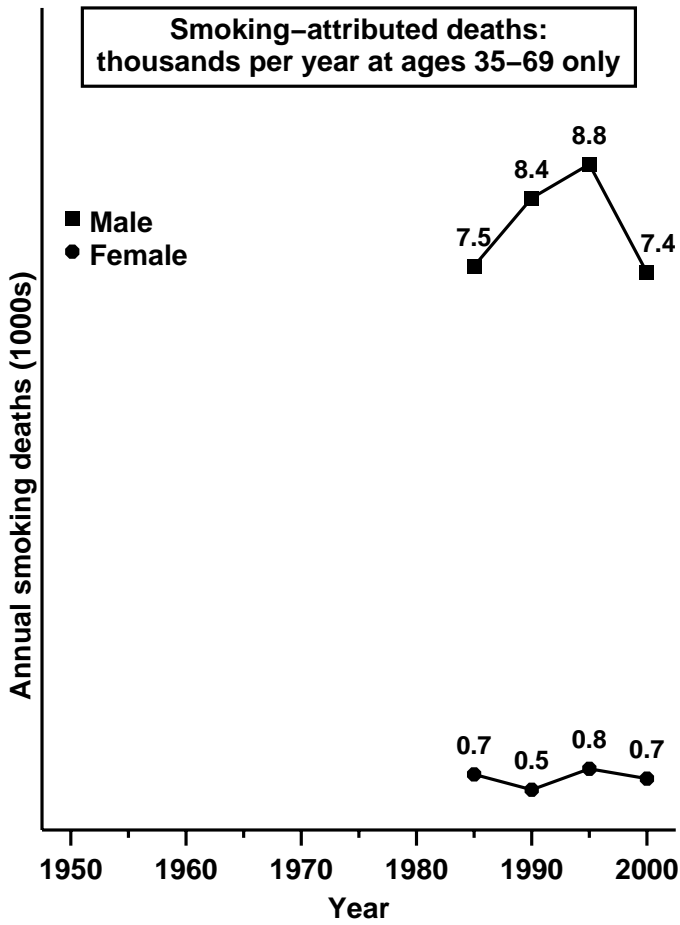
20-year total* (thousands), mid-1980 to mid-2000: 251 / 2222

1980-2000 by age & sex:

-/62	163/524 (31%)	55/641 (9%)	218/1227	-/35	15/264 (6%)	18/696 (3%)	33/994
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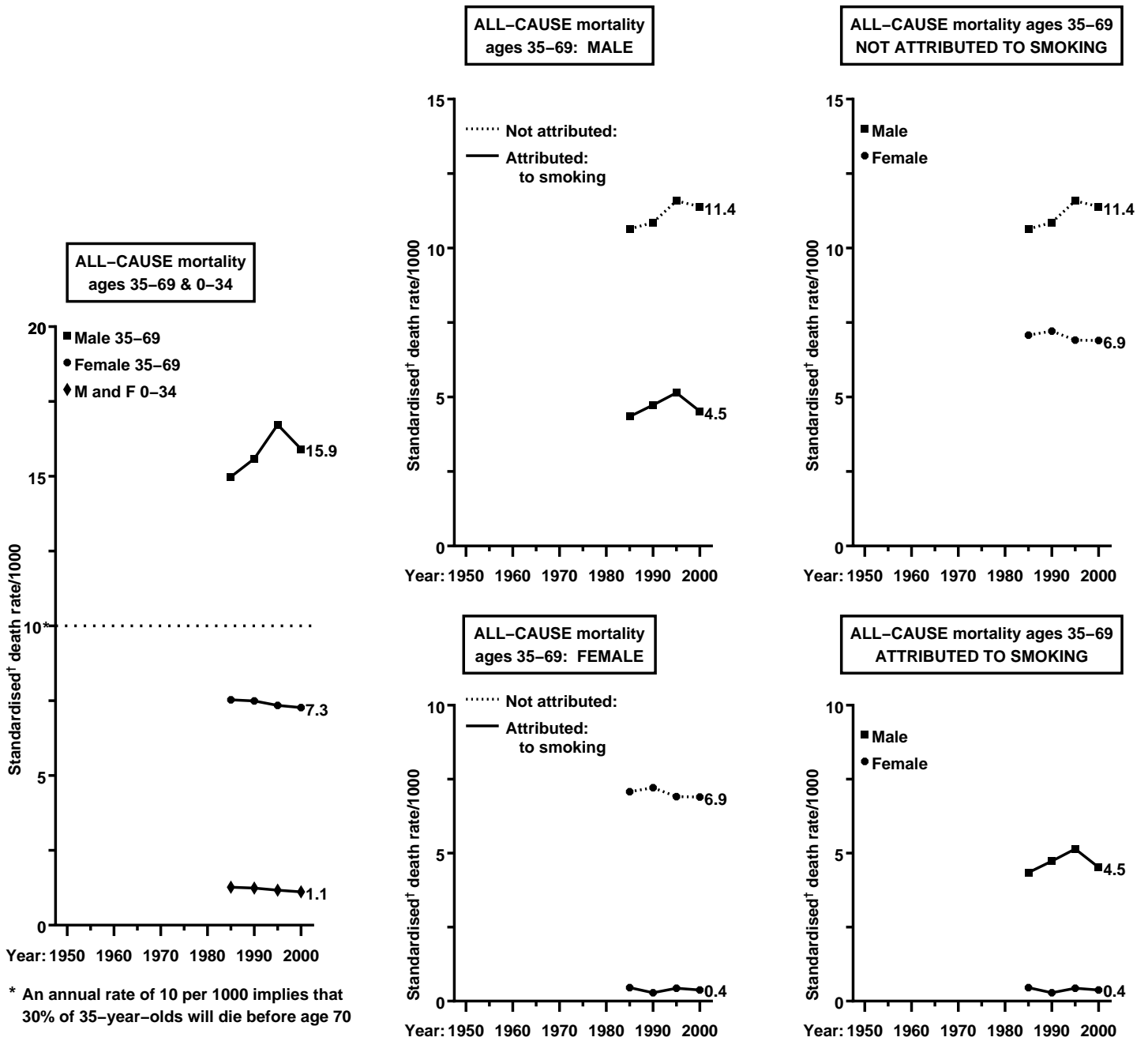
*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1985-2000: BULGARIA



BULGARIA: 1985-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

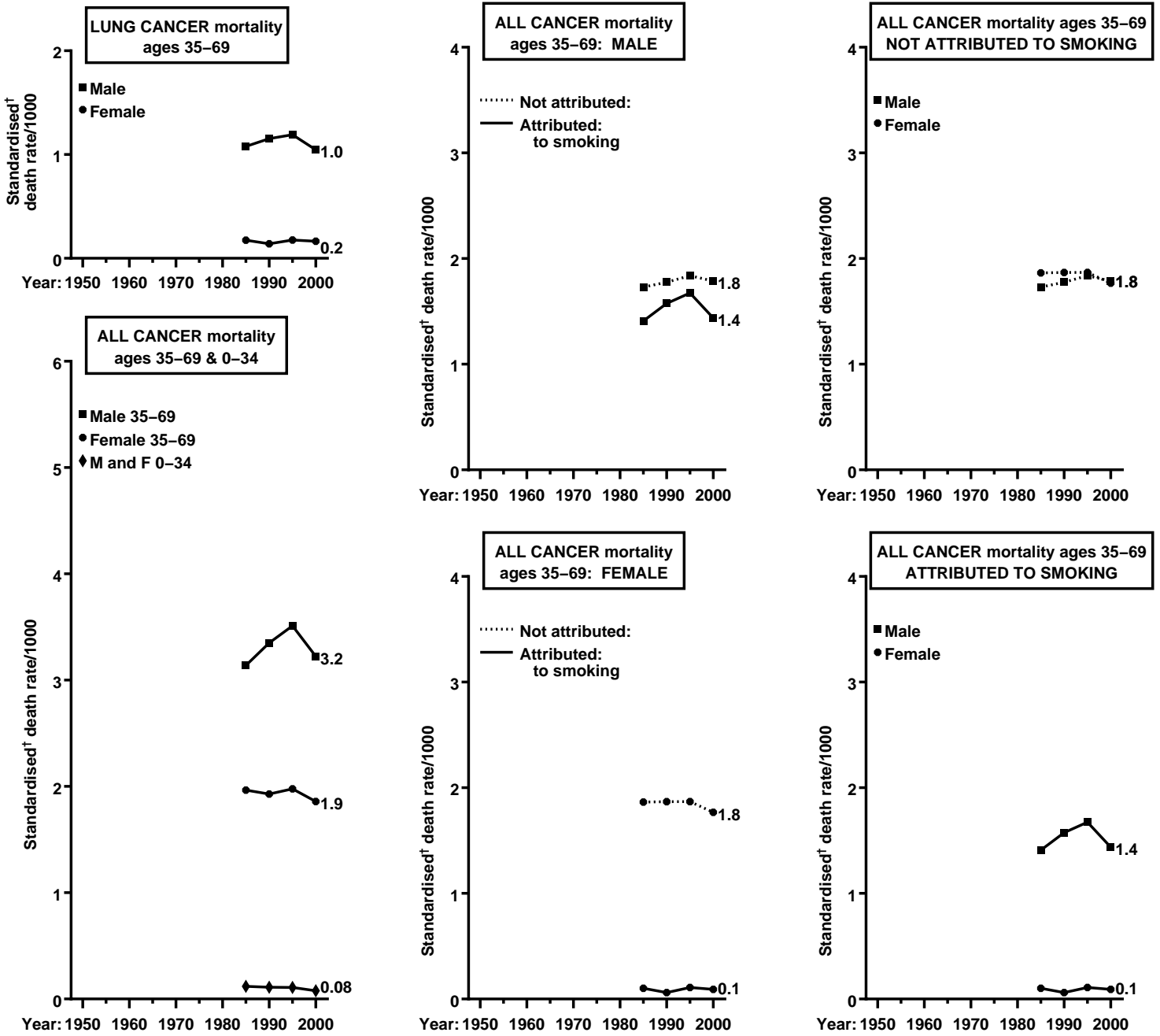


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955		
1960		
1965		
1970		
1975		
1980		
1985	-	1.57	4.34	10.6	7.91	72.3	-	0.96	0.45	7.07	1.69	57.7	-	0.89	0.28	7.21	0.87	53.7
1990	-	1.58	4.73	10.9	7.34	70.6	-	0.89	0.28	7.21	0.87	53.7	-	0.85	0.43	6.91	1.51	52.0
1995	-	1.49	5.14	11.6	7.49	70.0	-	0.85	0.43	6.91	1.51	52.0	-	0.86	0.37	6.90	0.91	52.4
2000	-	1.37	4.52	11.4	6.81	70.7	-	0.86	0.37	6.90	0.91	52.4	-					

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: BULGARIA

Trends in ALL CANCER mortality attributed and not attributed to smoking



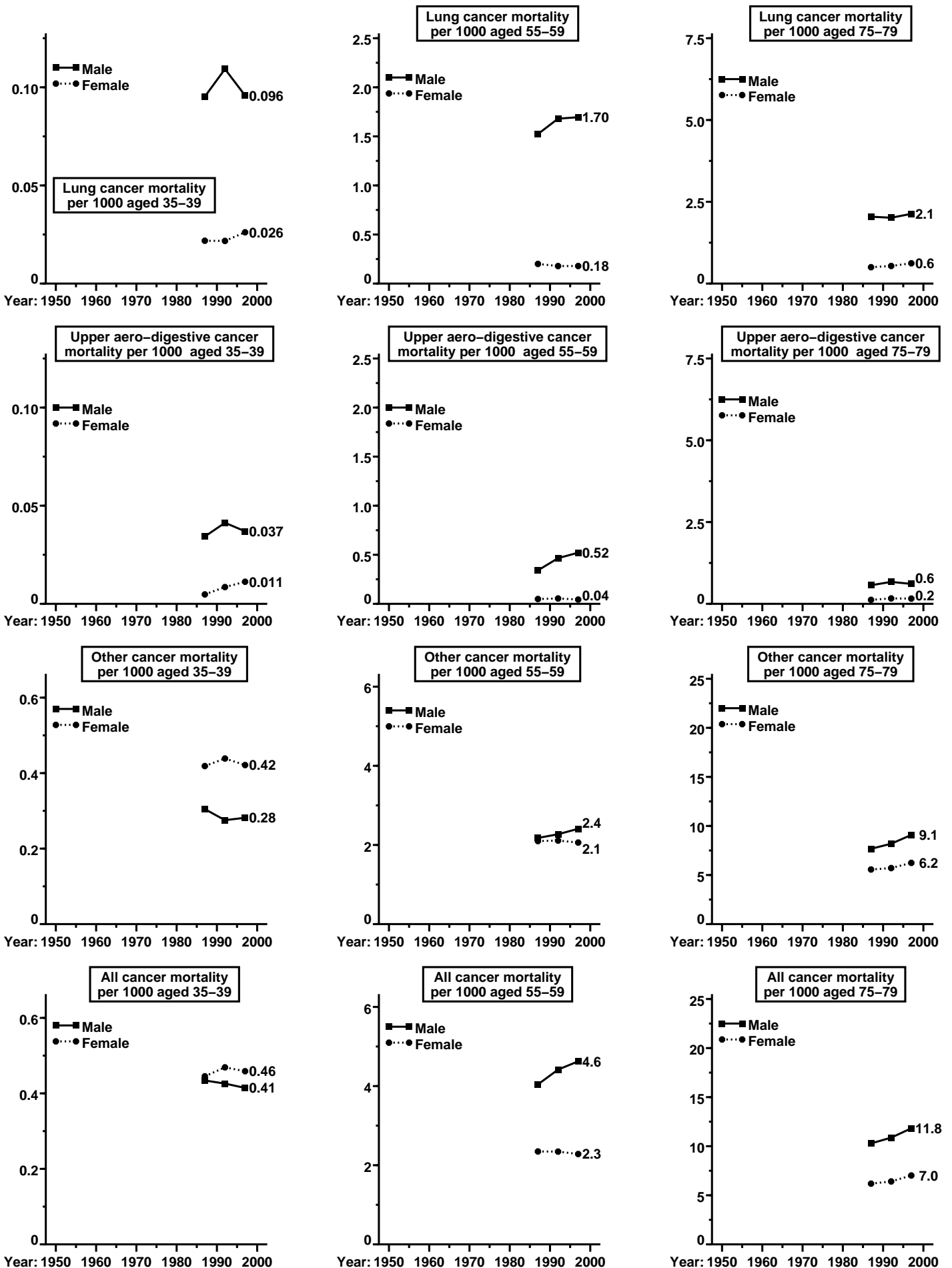
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	Attributed to smoking?	MALE cancer mortality (annual rate/1000, by age)						FEMALE cancer mortality (annual rate/1000, by age)					
		0-34		35-69		70-79		0-34		35-69		70-79	
		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	
1955	
1960	
1965	
1970	
1975	
1980	
1985	-	0.12	1.41	1.73	2.31	7.35	-	0.12	0.10	1.86	0.29	5.79	
1990	-	0.12	1.57	1.78	2.33	7.82	-	0.10	0.06	1.87	0.16	5.55	
1995	-	0.12	1.67	1.84	2.51	7.90	-	0.10	0.11	1.87	0.31	5.73	
2000	-	0.08	1.44	1.79	2.27	7.57	-	0.08	0.09	1.77	0.17	5.45	

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

BULGARIA: 1985-2000

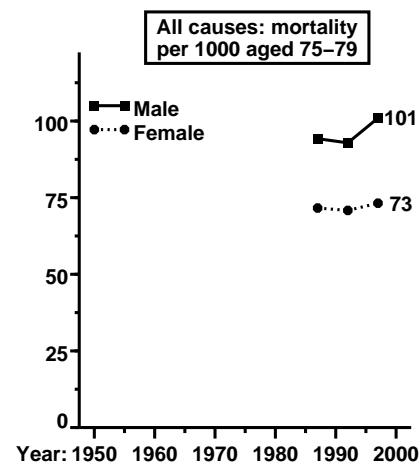
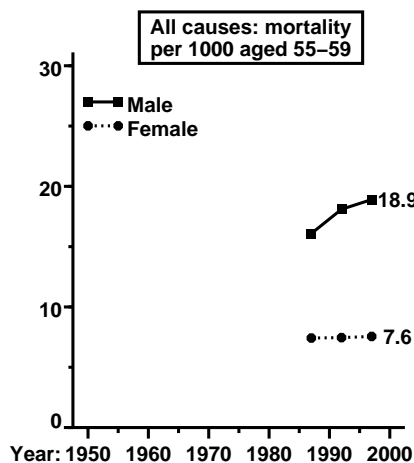
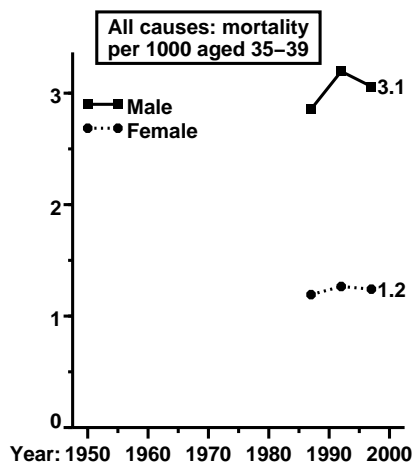
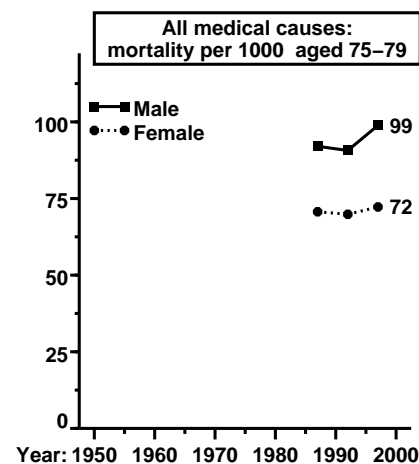
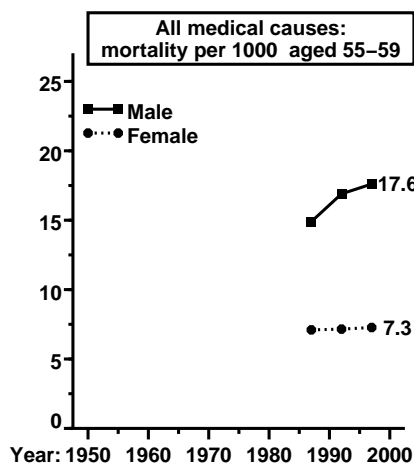
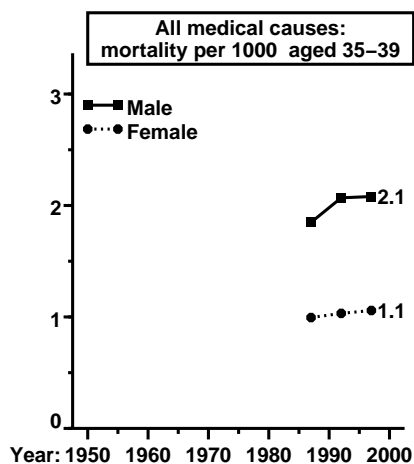
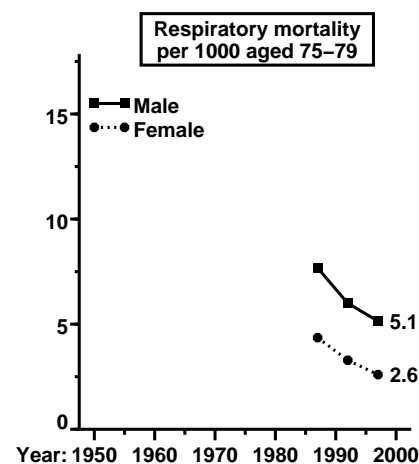
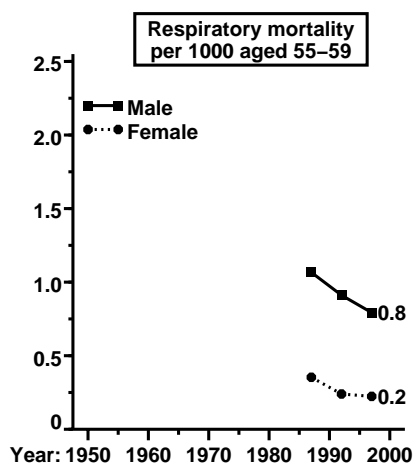
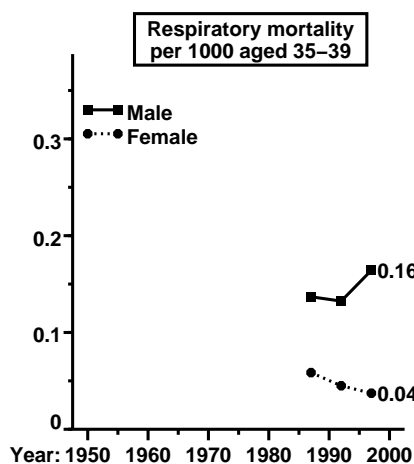
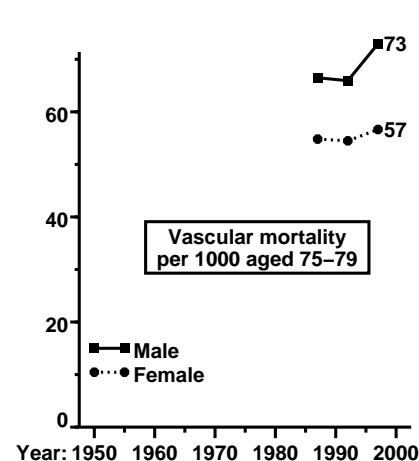
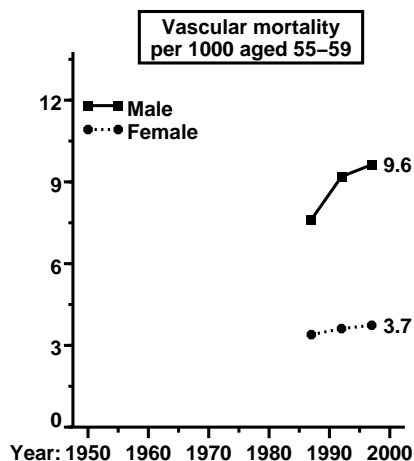
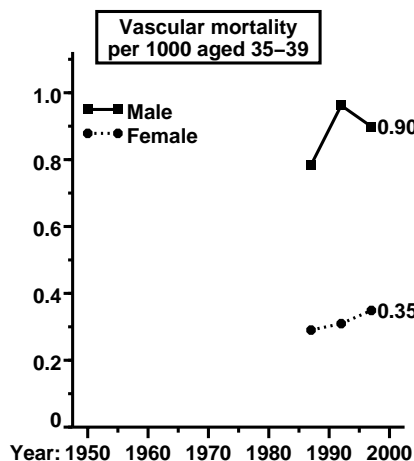
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1985–89,.....,1995–99; year 2000 on pages 98–99

1985-2000: BULGARIA

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; year 2000 on pages 98-99

CANADA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	111741	5145	36314	737.0	71.0	714.6	128.1	14.4	18.0	67.4	91.2	80.7	97.2
	F	106320	2706	22367	479.0	39.7	421.3	102.8	10.5	13.9	33.6	35.9	34.6	46.4
Tuberculosis	M	82	2	27	0.5	0.0	0.6	-	-	-	-	-	0.1	0.1
	F	56	3	14	0.3	0.0	0.2	-	-	-	-	-	0.2	0.1
HIV	M	429	61	359	2.6	0.8	4.6	-	0.1	-	0.1	0.1	1.0	4.1
	F	82	23	56	0.5	0.3	0.7	-	0.1	-	-	0.2	0.9	1.0
Other infective and parasitic	M	1218	43	433	8.0	0.6	7.9	2.0	0.3	0.1	0.5	0.3	0.6	0.6
	F	1245	51	283	5.8	0.8	5.3	1.9	0.7	0.5	0.7	0.5	0.3	0.7
ALL CANCER	M	33360	385	13411	223.5	5.1	277.2	2.3	3.2	2.5	4.1	7.2	6.8	9.9
	F	29312	354	11645	153.3	4.8	218.3	2.5	2.0	1.5	3.9	3.7	6.7	13.4
Mouth and pharynx cancer	M	594	6	335	4.0	0.1	6.5	-	-	-	0.1	0.1	0.2	0.2
	F	307	7	108	1.6	0.1	2.0	-	-	-	-	-	0.1	0.5
Oesophagus cancer	M	1052	-	541	7.2	-	10.9	-	-	-	-	-	-	-
	F	340	2	108	1.7	0.0	2.2	-	-	-	-	-	0.1	0.1
Stomach cancer	M	1195	10	472	8.0	0.1	9.8	-	-	-	-	0.1	0.2	0.6
	F	793	6	254	3.9	0.1	4.7	-	-	-	0.1	-	0.3	0.2
Colorectal cancer	M	3549	15	1455	23.9	0.2	30.3	-	-	-	0.1	0.2	0.4	0.7
	F	3094	11	954	15.1	0.1	18.4	-	-	-	0.1	-	0.2	0.7
Liver cancer	M	651	8	304	4.4	0.1	6.0	0.1	0.2	-	-	0.1	0.1	0.3
	F	311	6	104	1.6	0.1	2.0	0.1	-	-	0.2	0.1	0.2	-
Pancreas cancer	M	1510	6	676	10.2	0.1	14.0	-	-	-	0.1	0.1	0.2	0.2
	F	1582	2	487	7.9	0.0	9.6	-	-	-	-	-	-	0.2
Larynx cancer	M	416	-	189	2.8	-	4.0	-	-	-	-	-	-	-
	F	90	-	40	0.5	-	0.9	-	-	-	-	-	-	-
Lung cancer	M	9650	7	4300	65.4	0.1	91.5	-	-	-	0.1	-	0.3	0.3
	F	6484	10	3055	36.2	0.1	59.3	-	-	-	-	0.2	0.3	0.4
Malignant melanoma	M	432	15	239	2.9	0.2	4.4	-	-	-	-	0.3	0.5	0.6
	F	277	11	140	1.5	0.1	2.3	-	-	-	-	0.1	0.3	0.6
Female breast cancer	F	4857	40	2399	26.4	0.5	42.1	-	-	-	-	-	0.2	3.4
Cervix cancer	F	398	24	237	2.3	0.3	3.7	-	-	-	-	0.3	0.5	1.4
Other uterine cancer	F	640	2	225	3.2	0.0	4.3	-	-	-	-	-	0.1	0.1
Ovarian cancer	F	1402	18	644	7.7	0.2	12.0	-	-	-	0.3	0.1	0.5	0.8
Prostate cancer	M	3718	-	615	24.1	-	14.4	-	-	-	-	-	-	-
Bladder cancer	M	1082	2	298	7.1	0.0	6.4	-	-	-	-	-	-	0.2
	F	437	-	84	1.9	-	1.7	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	6313	173	2672	42.2	2.3	52.7	1.3	2.0	1.3	1.8	3.0	2.3	4.4
	F	5675	126	1984	28.8	1.8	37.4	1.8	1.7	1.0	1.3	1.3	2.5	2.8
Hodgkin's disease	M	78	14	43	0.5	0.2	0.7	-	-	0.1	0.1	0.5	0.6	0.1
	F	50	11	15	0.3	0.2	0.3	-	-	-	0.2	0.4	0.3	0.2
Myeloma and non- Hodgkin lymphomas	M	1930	38	839	12.9	0.5	17.0	-	0.1	0.1	0.5	0.9	0.8	1.1
	F	1717	24	582	8.7	0.3	11.2	-	0.1	0.1	0.6	-	0.5	1.0
Leukaemia	M	1190	91	433	7.9	1.2	8.7	0.9	0.9	0.9	1.3	2.0	1.3	1.3
	F	858	54	225	4.2	0.8	4.1	0.6	0.2	0.4	1.1	1.2	0.8	1.1
Diabetes	M	3322	33	1085	22.0	0.4	22.3	-	-	0.2	0.2	0.2	0.8	1.6
	F	3392	17	620	15.0	0.2	12.5	-	-	0.1	0.1	0.3	0.5	0.6
ALL VASCULAR DISEASE	M	38080	206	10448	249.9	2.7	215.2	2.2	0.5	0.5	1.7	3.2	4.6	6.5
	F	38346	143	4193	154.5	2.0	84.5	2.3	0.3	0.9	1.4	2.5	2.4	4.2
Rheumatic heart disease and fever	M	122	1	34	0.8	0.0	0.6	-	-	0.1	-	-	-	-
	F	304	-	77	1.4	-	1.6	-	-	-	-	-	-	-
Hypertensive disease	M	592	4	142	3.9	0.1	3.0	-	-	-	-	0.1	-	0.3
	F	1100	1	71	4.2	0.0	1.4	-	-	-	-	0.1	-	-
Ischaemic heart disease	M	23354	44	7286	154.1	0.6	150.1	-	-	-	-	0.3	1.1	2.5
	F	19063	22	2234	77.7	0.3	46.2	0.1	-	-	0.2	0.1	0.7	1.0
Pulmonary embolism and other venous	M	416	9	171	2.8	0.1	3.2	-	-	-	-	-	0.5	0.3
	F	557	14	165	2.7	0.2	3.0	-	-	-	0.1	0.7	0.2	0.4
Cerebrovascular disease	M	6421	29	1204	41.6	0.4	25.2	0.1	0.1	0.1	0.3	0.5	0.7	1.0
	F	9155	32	862	36.1	0.4	16.7	0.5	0.2	0.3	0.2	0.5	0.9	0.6
Other vascular disease	M	7175	119	1611	46.8	1.6	33.1	2.1	0.4	0.3	1.4	2.4	2.3	2.4
	F	8167	74	784	32.4	1.0	15.6	1.8	0.1	0.6	0.9	1.1	0.7	2.2
Chronic obstructive pulmonary disease	M	5518	14	850	35.7	0.2	19.6	0.2	-	-	0.3	0.7	0.1	0.1
	F	4301	21	640	18.7	0.3	13.5	0.1	0.1	0.1	0.2	0.6	0.5	0.4
Other respiratory disease	M	3820	62	659	24.7	0.9	13.2	2.8	0.4	0.2	0.5	0.4	0.8	1.2
	F	4105	43	419	16.2	0.6	8.2	1.6	0.2	0.3	0.2	0.7	0.6	0.8
Peptic ulcer	M	234	2	65	1.5	0.0	1.2	-	-	-	-	-	0.1	0.1
	F	190	1	26	0.8	0.0	0.5	-	-	-	-	0.1	-	-
Liver cirrhosis	M	1468	9	1011	10.1	0.1	19.4	-	-	-	-	-	0.1	0.7
	F	699	3	382	4.0	0.0	7.0	-	-	-	-	0.1	-	0.2
Renal disease	M	1642	6	307	10.6	0.1	6.6	0.1	-	-	-	0.2	0.1	0.2
	F	1650	13	200	6.8	0.2	4.0	0.4	-	-	0.1	0.1	0.1	0.6
Pregnancy, birth congenital and perinatal causes	F	11	10	1	0.1	0.1	0.0	-	-	-	0.1	0.2	0.2	0.4
	M	1001	858	105	8.3	13.4	1.6	86.4	1.4	1.2	1.4	1.2	0.8	1.3
	F	817	655	108	6.9	10.8	1.6	69.2	1.1	0.7	0.7	1.8	1.0	0.8
Ill-defined causes	M	1392	272	615	9.3	3.9	10.1	11.6	0.3	0.5	1.7	4.6	4.2	4.2
	F	1345	143	258	6.2	2.2	4.4	8.9	0.3	0.6	1.5	1.3	1.5	1.2
Other medical causes	M	11361	362	2750	74.0	5.0	53.8	10.4	2.3	1.7	3.7	5.1	4.5	7.4
	F	16334	327	2100	67.1	4.7	39.4	8.8	2.6	2.8	3.1	4.6	5.2	5.9
ALL NON- MEDICAL CAUSES	M	8814	2830	4189	56.2	37.7	61.2	10.0	5.9	11.2	53.3	68.0	56.3	59.3
	F	4435	899	1422	22.9	12.6	21.1	7.2	3.0	6.4	21.6	19.2	14.6	16.0
Motor vehicle traffic accidents	M	1680	803	673	10.9	10.7	10.2	1.4	3.0	3.3	20.1	22.3	13.7	11.5
	F	803	323	305	4.9	4.5	4.7	1.2	1.6	2.9	10.9	8.3	3.7	3.4
Fire	M	150	39	74	1.0	0.5	1.1	0.7	0.6	0.5	0.5	0.4	0.6	0.6
	F	92	26	26	0.5	0.4	0.4	0.8	0.2	0.2	0.2	0.4	0.3	0.5
Suicide	M	2798	943	1631	17.6	12.4	22.9	-	-	2.8	16.4	24.5	20.4	23.1
	F	807	248	506	5.0	3.4	7.0	-	-	1.7	5.2	6.0	5.9	5.1
Homicide	M	337	168	149	2.1	2.3	2.0	1.7	0.1	0.2	2.8	3.7	4.0	3.3
	F	126	56	57	0.8	0.8	0.7	1.2	0.2	0.3	1.1	1.1	0.9	0.9
POPULATION: (1000s; UN, 2002 revision)			M=male		15235	7325	6800	902	1045	1054	1057	1050	1066	1152
			F=female		15535	7032	6877	857	995	1002	1004	1003	1040	1133

2000: CANADA

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
127.8	185.8	277.0	438.3	741.8	1226.7	2004.7	3278.4	5333.4	11893.1	M	ALL CAUSES	001-999/A00-Y89
70.3	111.4	172.1	290.2	452.0	712.3	1140.9	1881.7	3153.2	9280.8	F		
0.2	-	-	0.3	0.1	1.0	2.5	2.4	3.6	9.6	M	Tuberculosis	010-018, 137/
-	0.2	0.3	0.2	0.4	0.3	0.3	1.6	1.7	3.6	F		A15-A19, B90
6.2	7.6	6.2	5.2	3.9	1.9	1.4	1.3	0.6	0.3	M	HIV	279.5, 279.6/B20-B24
1.9	1.0	0.4	0.5	0.4	0.3	0.5	-	0.4	0.2	F		
1.5	3.0	5.5	7.0	8.1	10.3	19.9	34.6	54.7	127.4	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.8	1.2	2.3	3.7	6.1	10.5	12.6	26.2	35.0	99.7	F		
16.8	38.7	73.4	163.2	305.0	534.1	809.4	1272.5	1723.3	2526.0	M	ALL CANCER	140-208/C00-C97
28.2	52.6	91.3	168.7	261.7	385.2	540.4	753.7	984.2	1410.8	F		
0.4	1.7	2.3	5.6	8.6	12.1	14.6	19.8	21.4	28.7	M	Mouth and pharynx cancer	140-149/C00-C14
0.6	0.8	0.4	1.7	1.8	3.9	4.7	8.0	11.4	15.6	F		
0.9	1.0	3.2	8.5	14.3	17.9	30.7	40.9	45.5	54.3	M	Oesophagus cancer	150/C15
0.1	0.1	0.7	1.5	1.3	3.6	8.4	9.8	12.7	19.2	F		
0.4	1.8	2.9	5.0	10.2	20.2	27.8	44.6	57.4	100.5	M	Stomach cancer	151/C16
0.6	1.5	2.4	3.8	3.8	8.1	13.1	18.4	26.2	51.1	F		
1.5	3.0	8.2	17.1	34.0	62.7	85.4	132.2	176.8	279.6	M	Colorectal cancer	153, 154/C18-C21
1.6	2.7	6.0	13.6	23.1	32.2	49.7	68.8	113.9	200.8	F		
0.2	1.4	3.1	4.0	7.1	9.8	16.3	27.6	31.2	34.2	M	Liver cancer	155.0/C22 excl C221
0.3	0.2	0.7	0.7	3.7	2.9	5.7	8.7	10.8	16.9	F		
0.5	2.3	3.9	8.4	14.0	29.8	38.7	53.3	83.5	96.4	M	Pancreas cancer	157/C25
0.7	1.3	2.2	7.2	10.4	19.0	26.2	46.4	60.8	91.2	F		
-	0.4	1.0	2.1	4.6	8.7	11.0	18.5	22.9	20.7	M	Larynx cancer	161/C32
-	-	-	0.4	0.8	0.9	4.0	3.1	2.5	3.5	F		
1.6	7.9	19.0	47.7	98.5	186.4	279.6	419.3	510.0	542.3	M	Lung cancer	162/C33, C34
2.5	10.6	20.9	37.5	77.1	110.1	156.4	205.3	226.6	201.8	F		
1.0	1.7	2.2	3.5	5.9	6.5	9.9	12.2	18.1	19.5	M	Malignant melanoma	172/C43
0.9	1.4	2.1	1.9	2.5	3.3	4.2	4.9	7.8	10.3	F		
9.0	14.6	24.2	45.9	50.3	72.2	78.8	104.5	128.3	205.0	F	Female breast cancer	174/C50
2.1	2.4	3.3	4.4	3.9	5.4	4.7	5.6	9.1	10.4	F	Cervix cancer	180/C53
0.4	0.7	1.5	3.5	5.3	7.3	11.4	16.0	24.9	34.3	F	Other uterine cancer	179, 182/C54, C55
1.3	2.4	5.7	9.1	16.7	22.3	26.9	37.1	46.8	52.1	F	Ovarian cancer	183/C56, C570-C574
-	0.2	0.5	2.7	10.0	24.7	62.7	128.1	246.4	537.8	M	Prostate cancer	185/C61
0.1	0.7	1.0	3.6	5.1	12.1	22.4	40.9	58.8	126.4	M	Bladder cancer	188/C67
0.3	0.2	0.2	1.2	1.5	3.1	5.2	10.0	14.8	37.8	F		
6.8	11.5	16.5	39.8	62.0	96.4	135.8	222.1	300.4	458.3	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
5.0	10.3	15.3	25.5	43.0	64.9	97.6	134.3	189.7	319.7	F		
0.4	0.4	0.3	0.8	1.0	1.1	1.1	2.4	1.5	1.6	M	Hodgkin's disease	201/C81
0.1	0.2	0.1	0.2	0.5	0.3	0.5	0.5	2.3	1.7	F		
1.9	2.5	5.9	9.3	21.0	30.8	47.6	70.7	94.2	131.2	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.4	2.0	3.7	8.0	12.1	18.0	33.6	49.3	66.0	87.4	F		
1.0	2.4	3.2	5.1	8.5	14.8	25.7	40.0	55.3	94.5	M	Leukaemia	204-208/C91-C95
1.4	1.3	2.0	2.8	4.0	7.7	9.2	22.8	29.7	51.9	F		
2.4	4.4	5.8	11.1	25.0	40.6	66.9	117.2	174.1	344.4	M	Diabetes	250/E10-E14
1.0	2.1	2.7	6.8	10.4	21.1	43.3	73.9	129.1	288.1	F		
16.6	34.1	67.2	119.8	224.4	379.3	664.9	1124.8	1994.7	4960.7	M	ALL VASCULAR DISEASE	390-459/I00-I99
6.6	13.2	21.8	41.3	75.7	146.7	286.6	564.8	1139.0	4230.2	F		
0.1	0.1	0.5	0.6	0.6	1.6	0.9	2.8	9.2	13.7	M	Rheumatic heart disease and fever	390-398/I00-I09
0.1	0.2	0.4	0.6	1.0	3.9	4.9	7.6	10.8	22.2	F		
0.4	0.8	0.8	1.2	2.1	4.7	11.0	17.6	29.1	85.2	M	Hypertensive disease	401-405/I10-I15
0.1	0.2	0.5	0.6	1.6	3.1	3.5	13.1	27.4	137.0	F		
8.8	23.3	45.3	87.8	162.7	267.1	455.5	719.0	1224.1	2744.7	M	Ischaemic heart disease	410-414/I20-I25
2.3	5.0	8.8	19.3	39.6	83.6	165.1	308.3	600.6	2034.2	F		
0.7	0.8	1.8	2.4	4.1	4.8	7.8	14.6	17.5	35.1	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.5	1.3	1.5	2.0	3.5	5.1	7.1	11.6	18.4	37.6	F		
2.3	3.6	8.6	11.0	23.0	43.9	83.7	178.1	364.6	1002.9	M	Cerebrovascular disease	430-438/I60-I69
1.7	3.6	6.3	10.9	14.9	26.5	53.3	120.3	261.0	1055.2	F		
4.3	5.7	10.2	16.8	31.8	57.2	106.0	192.7	350.1	1079.2	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
1.8	2.8	4.3	8.0	15.0	24.5	52.7	103.7	220.9	943.9	F		
0.7	0.3	2.0	4.7	12.6	32.3	84.6	173.6	356.0	848.4	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.4	0.9	1.8	5.2	11.4	24.0	50.9	105.2	175.5	369.8	F		
2.5	3.1	4.8	7.4	12.7	20.2	41.4	87.2	173.8	674.4	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.1	2.1	2.7	4.1	7.7	13.9	25.5	46.2	95.6	486.9	F		
0.1	0.5	0.8	1.1	0.6	2.1	3.4	8.0	10.4	30.3	M	Peptic ulcer	531-533/K25-K27
0.1	0.1	0.3	0.2	0.4	0.6	1.8	3.1	3.8	21.2	F		
2.1	5.5	10.5	13.8	22.7	33.4	47.9	43.9	41.9	33.5	M	Liver cirrhosis	571/K70, K74
1.6	2.1	3.3	5.9	6.4	12.2	17.3	19.5	20.9	17.9	F		
0.5	0.7	2.1	2.2	5.5	11.4	23.7	46.3	93.3	256.0	M	Renal disease	580-590/N00-N19
0.8	0.7	1.1	1.7	2.4	6.3	15.0	28.8	58.6	166.0	F		
0.1	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
1.0	1.3	1.8	1.8	1.8	1.1	2.5	2.2	3.9	4.8	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.1	1.2	1.4	2.2	1.9	2.2	1.5	3.5	3.0	3.5	F		
6.0	6.8	8.5	8.4	10.4	12.9	17.9	20.2	29.7	99.6	M	Ill-defined causes	780-799/R00-R99
1.8	2.2	3.7	3.5	3.3	5.9	10.4	12.2	17.5	131.7	F		
10.6	14.1	22.6	34.6	51.1	91.8	151.7	268.2	546.8	1652.1	M	Other medical causes	Rest of 001-799/ rest of A00-R99
7.5	11.2	17.3	24.8	42.2	62.7	110.2	205.3	425.5	1784.7	F		
60.7	65.5	65.8	57.8	57.8	54.3	66.4	75.9	126.6	325.6	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
17.3	20.4	21.8	21.3	21.7	20.3	24.5	37.7	63.3	266.5	F		
9.3	8.8	11.2	8.2	10.6	9.8	13.6	10.0	20.8	28.1	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
2.7	4.9	4.1	4.2	5.2	5.4	6.4	8.2	14.6	10.1	F		
0.7	0.8	1.2	1.4	1.5	0.6	1.6	0.7	4.8	5.7	M	Fire	E890-E899/X00-X09
0.3	0.3	0.3	0.2	0.6	0.5	0.7	1.5	1.1	4.5	F		
25.3	29.6	24.7	23.2	21.1	19.5	16.6	17.0	23.2	21.7	M	Suicide	E950-E959/X60-X84
6.5	8.0	9.7	8.5	6.2	4.8	5.5	4.2	3.4	2.3	F		
3.3	3.1	1.7	1.7	0.9	1.6	1.6	1.5	1.8	2.2	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.3	1.3	0.9	0.4	0.4	0.6	0.2	0.9	0.6	0.8	F		
1361	1309	1157	1023	777	620	553	460	337	313	M	POPULATION	
1339	1307	1167	1031	791	646	595	549	474	603	F	(1000s; UN, 2002 revision)	

CANADA: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	6896	390	17	6	367	24	99	255	14	2533	3581
35-69	Sm.	11820	6098	4265	706	1127	762	204	3113	-	1643	-
	Total	38329 (31%)	13586 (45%)	4642 (92%)	1133 (62%)	7811 (14%)	995 (77%)	782 (26%)	11869 (26%)	1012	6024 (27%)	4061
70+	Sm.	15666	6811	4687	515	1609	3378	474	3653	-	1350	-
	Total	66171 (24%)	17356 (39%)	5110 (92%)	826 (62%)	11420 (14%)	4496 (75%)	3814 (12%)	27967 (13%)	477	10475 (13%)	1586
Any age	Sm.	27486	12909	8952	1221	2736	4140	678	6766	-	2993	-
	Total	111396 (25%)	31332 (41%)	9769 (92%)	1965 (62%)	19598 (14%)	5515 (75%)	4695 (14%)	40091 (17%)	1503	19032 (16%)	9228
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5145	385	7	6	372	14	62	206	9	1639	2830
35-69	Sm.	9926	5456	3879	607	970	620	150	2372	-	1328	-
	Total	36314 (27%)	13411 (41%)	4300 (90%)	1065 (57%)	8046 (12%)	850 (73%)	659 (23%)	10448 (23%)	1011	5746 (23%)	4189
70+	Sm.	15629	7140	4854	590	1696	3399	347	3206	-	1537	-
	Total	70282 (22%)	19564 (36%)	5343 (91%)	991 (60%)	13230 (13%)	4654 (73%)	3099 (11%)	27426 (12%)	448	13296 (12%)	1795
Any age	Sm.	25555	12596	8733	1197	2666	4019	497	5578	-	2865	-
	Total	111741 (23%)	33360 (38%)	9650 (90%)	2062 (58%)	21648 (12%)	5518 (73%)	3820 (13%)	38080 (15%)	1468	20681 (14%)	8814

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	14538	7554	6026	1291	1152	1030	792	642	594	525	420	271	267
2000	15235	7325	6800	1361	1309	1157	1023	777	620	553	460	337	313
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	111396	6896	38329	2225	2572	3308	4118	5380	8412	12314	15650	16340	34181
2000	111741	5145	36314	1740	2432	3205	4482	5762	7607	11086	15074	17947	37261
Lung cancer													
1995	9769	17	4642	43	111	262	445	776	1233	1772	1956	1523	1631
2000	9650	7	4300	22	103	220	488	765	1156	1546	1928	1716	1699
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	835.5*	89.1*	833.6*	172.3	223.4	321.0	520.1	837.5	1415.2	2346.0	3722.6	6040.7	12821.1
2000	737.0*	71.0*	714.6*	127.8	185.8	277.0	438.3	741.8	1226.7	2004.7	3278.4	5333.4	11893.1
All cancer													
1995	239.8*	4.9*	311.0*	21.5	39.6	89.9	181.0	338.6	589.3	917.3	1330.6	1796.3	2589.3
2000	223.5*	5.1*	277.2*	16.8	38.7	73.4	163.2	305.0	534.1	809.4	1272.5	1723.3	2526.0
Lung cancer													
1995	75.3*	0.2*	108.6*	3.3	9.6	25.4	56.2	120.8	207.4	337.6	465.3	563.0	611.8
2000	65.4*	0.1*	91.5*	1.6	7.9	19.0	47.7	98.5	186.4	279.6	419.3	510.0	542.3
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	15.3*	0.1*	25.8*	0.9	3.5	7.0	17.8	31.8	51.5	68.2	83.7	75.8	100.9
2000	14.0*	0.1*	21.4*	1.3	3.1	6.6	16.1	27.5	38.7	56.4	79.2	89.7	103.7
Other cancer													
1995	149.2*	4.7*	176.6*	17.3	26.5	57.5	107.0	186.0	330.4	511.5	781.6	1157.5	1876.6
2000	144.1*	5.0*	164.3*	13.9	27.8	47.8	99.4	178.9	309.0	473.4	774.0	1123.6	1880.0
Chronic obstructive pulmonary disease (COPD)													
1995	41.4*	0.3*	24.8*	0.8	0.5	2.7	6.8	14.9	37.0	110.7	215.3	402.2	938.9
2000	35.7*	0.2*	19.6*	0.7	0.3	2.0	4.7	12.6	32.3	84.6	173.6	356.0	848.4
Other respiratory disease													
1995	35.2*	1.3*	17.8*	1.9	3.6	5.4	10.9	14.2	27.8	60.6	127.7	259.9	965.5
2000	24.7*	0.9*	13.2*	2.5	3.1	4.8	7.4	12.7	20.2	41.4	87.2	173.8	674.4
Vascular disease													
1995	303.7*	3.2*	271.5*	20.9	43.6	78.1	151.8	273.2	489.4	843.2	1423.9	2526.4	5681.5
2000	249.9*	2.7*	215.2*	16.6	34.1	67.2	119.8	224.4	379.3	664.9	1124.8	1994.7	4960.7
Liver cirrhosis													
1995	11.7*	0.2*	21.8*	1.9	5.7	10.8	17.3	28.0	37.7	51.2	54.2	55.1	37.5
2000	10.1*	0.1*	19.4*	2.1	5.5	10.5	13.8	22.7	33.4	47.9	43.9	41.9	33.5
Other medical causes													
1995	140.7*	33.3*	120.0*	52.7	60.3	71.2	85.5	107.3	173.1	289.8	485.0	868.8	2282.8
2000	136.9*	24.2*	108.8*	28.5	38.4	53.3	71.6	106.6	173.2	290.1	500.4	917.1	2524.4
All non-medical causes													
1995	63.1*	46.0*	66.8*	72.6	70.1	62.9	66.8	61.3	60.9	73.2	85.9	132.0	325.6
2000	56.2*	37.7*	61.2*	60.7	65.5	65.8	57.8	57.8	54.3	66.4	75.9	126.6	325.6

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: CANADA

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	3311	399	22	4	373	17	83	188	9	1579	1036
35-69	Sm.	5574	2703	2198	168	337	528	127	1337	-	879	-
	Total	22509 (25%)	11050 (24%)	2634 (83%)	296 (57%)	8120 (4%)	708 (75%)	488 (26%)	5091 (26%)	412	3351 (26%)	1409
70+	Sm.	10120	2926	2208	235	483	2159	399	3192	-	1444	-
	Total	73517 (14%)	15029 (19%)	2651 (83%)	422 (56%)	11956 (4%)	2945 (73%)	4437 (9%)	33746 (9%)	311	15159 (10%)	1890
Any age	Sm.	15694	5629	4406	403	820	2687	526	4529	-	2323	-
	Total	99337 (16%)	26478 (21%)	5307 (83%)	722 (56%)	20449 (4%)	3670 (73%)	5008 (11%)	39025 (12%)	732	20089 (12%)	4335
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2706	354	10	9	335	21	43	143	3	1243	899
35-69	Sm.	5861	3092	2576	148	368	486	116	1157	-	1010	-
	Total	22367 (26%)	11645 (27%)	3055 (84%)	256 (58%)	8334 (4%)	640 (76%)	419 (28%)	4193 (28%)	382	3666 (28%)	1422
70+	Sm.	12925	3844	2922	282	640	2791	385	3696	-	2209	-
	Total	81247 (16%)	17313 (22%)	3419 (85%)	472 (60%)	13422 (5%)	3640 (77%)	3643 (11%)	34010 (11%)	314	20213 (11%)	2114
Any age	Sm.	18786	6936	5498	430	1008	3277	501	4853	-	3219	-
	Total	106320 (18%)	29312 (24%)	6484 (85%)	737 (58%)	22091 (5%)	4301 (76%)	4105 (12%)	38346 (13%)	699	25122 (13%)	4435

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	14816	7252	6123	1285	1158	1031	794	653	615	588	537	391	514
2000	15535	7032	6877	1339	1307	1167	1031	791	646	595	549	474	603
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	99337	3311	22509	984	1366	2038	2501	3333	4784	7503	10895	13302	49320
2000	106320	2706	22367	941	1456	2009	2993	3577	4599	6792	10338	14946	55963
Lung cancer													
1995	5307	22	2634	57	113	213	314	430	631	876	994	750	907
2000	6484	10	3055	33	139	244	387	610	711	931	1128	1074	1217
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	514.4*	45.5*	467.4*	76.6	118.0	197.7	315.0	510.6	777.9	1275.8	2030.4	3404.7	9591.6
2000	479.0*	39.7*	421.3*	70.3	111.4	172.1	290.2	452.0	712.3	1140.9	1881.7	3153.2	9280.8
All cancer													
1995	157.1*	5.1*	228.6*	28.6	55.8	107.4	177.5	274.4	392.7	563.5	766.3	962.6	1391.7
2000	153.3*	4.8*	218.3*	28.2	52.6	91.3	168.7	261.7	385.2	540.4	753.7	984.2	1410.8
Lung cancer													
1995	33.3*	0.2*	56.0*	4.4	9.8	20.7	39.6	65.9	102.6	149.0	185.2	192.0	176.4
2000	36.2*	0.1*	59.3*	2.5	10.6	20.9	37.5	77.1	110.1	156.4	205.3	226.6	201.8
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	4.2*	0.0*	6.5*	0.4	0.9	1.6	3.7	5.8	12.7	20.2	19.6	26.1	41.8
2000	3.7*	0.1*	5.1*	0.7	0.8	1.1	3.6	3.8	8.4	17.1	20.9	26.6	38.3
Other cancer													
1995	119.6*	4.8*	166.1*	23.8	45.2	85.1	134.3	202.7	277.4	394.3	561.5	744.6	1173.5
2000	113.4*	4.6*	153.9*	25.0	41.2	69.2	127.6	180.8	266.7	366.9	527.5	731.0	1170.6
Chronic obstructive pulmonary disease (COPD)													
1995	18.8*	0.2*	16.0*	0.4	0.9	2.7	4.7	16.1	28.3	59.2	106.2	186.8	319.9
2000	18.7*	0.3*	13.5*	0.4	0.9	1.8	5.2	11.4	24.0	50.9	105.2	175.5	369.8
Other respiratory disease													
1995	22.7*	1.2*	10.3*	1.6	2.2	3.5	6.5	10.6	13.5	34.2	60.6	138.2	694.7
2000	16.2*	0.6*	8.2*	1.1	2.1	2.7	4.1	7.7	13.9	25.5	46.2	95.6	486.9
Vascular disease													
1995	184.1*	2.4*	111.7*	8.2	14.1	28.8	52.5	108.1	192.2	377.7	702.0	1404.4	4763.1
2000	154.5*	2.0*	84.5*	6.6	13.2	21.8	41.3	75.7	146.7	286.6	564.8	1139.0	4230.2
Liver cirrhosis													
1995	4.7*	0.1*	8.4*	1.0	2.8	3.8	8.2	10.1	12.7	20.2	22.0	24.3	19.1
2000	4.0*	0.0*	7.0*	1.6	2.1	3.3	5.9	6.4	12.2	17.3	19.5	20.9	17.9
Other medical causes													
1995	102.0*	22.4*	68.8*	15.3	19.9	30.1	42.8	69.5	112.7	191.5	332.5	614.3	2134.4
2000	109.4*	19.3*	68.8*	15.2	20.0	29.5	43.6	67.4	110.0	195.7	354.6	674.7	2498.7
All non-medical causes													
1995	25.0*	14.1*	23.6*	21.4	22.2	21.4	22.8	21.8	25.9	29.6	40.8	74.0	268.8
2000	22.9*	12.6*	21.1*	17.3	20.4	21.8	21.3	21.7	20.3	24.5	37.7	63.3	266.5

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

CANADA: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 5.1	– / 2.7	–
35–69	9.9 / 36	5.9 / 22	23 years
70+	16 / 70	13 / 81	8 years
All ages	26 / 112	19 / 106	13 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

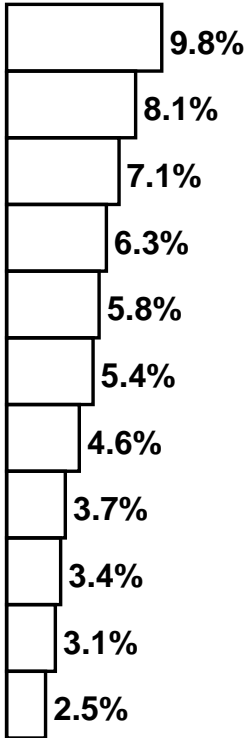
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	3.9/4.3	4.9/5.3	8.7/9.6	–/0.0	2.6/3.1	2.9/3.4	5.5/6.5
All Cancer	–/0.4	5.5/13 (41%)	7.1/20 (36%)	13/33	–/0.4	3.1/12 (27%)	3.8/17 (22%)	6.9/29
Vascular	–/0.2	2.4/10	3.2/27	5.6/38	–/0.1	1.2/4.2	3.7/34	4.9/38
Respiratory	–/0.1	0.8/1.5	3.7/7.8	4.5/9.3	–/0.1	0.6/1.1	3.2/7.3	3.8/8.4
All Other	–/4.5	1.3/11	1.5/16	2.9/31	–/2.1	1.0/5.5	2.2/23	3.2/30
All Causes	–/5.1	9.9/36 (27%)	16/70 (22%)	26/112	–/2.7	5.9/22 (26%)	13/81 (16%)	19/106

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	13 / 33 (38%)	6.9 / 29 (24%)	20 / 63 (31%)
All Causes	26 / 112 (23%)	19 / 106 (18%)	44 / 218 (20%)

1950-2000: CANADA

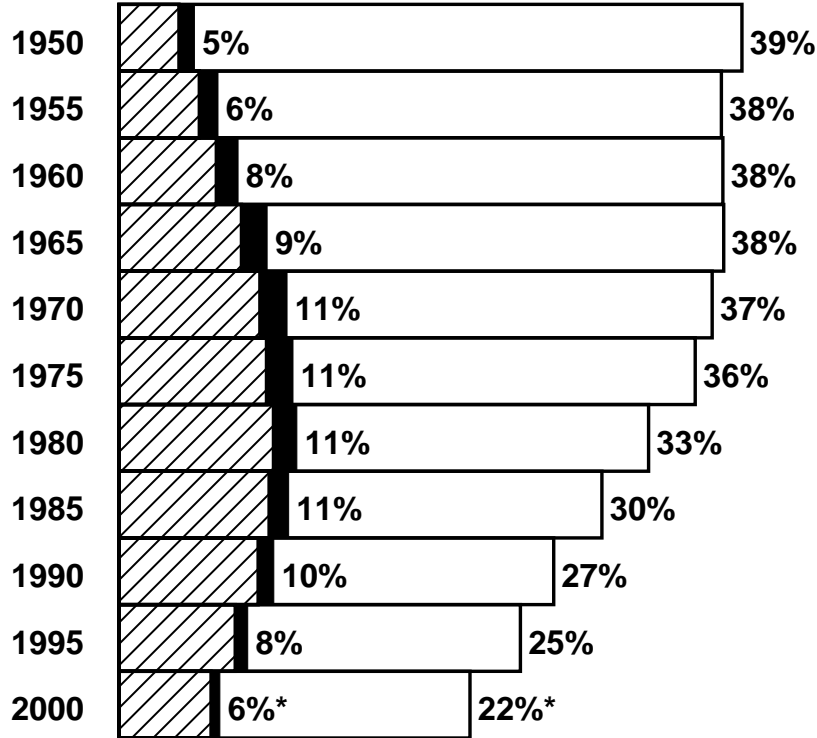
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

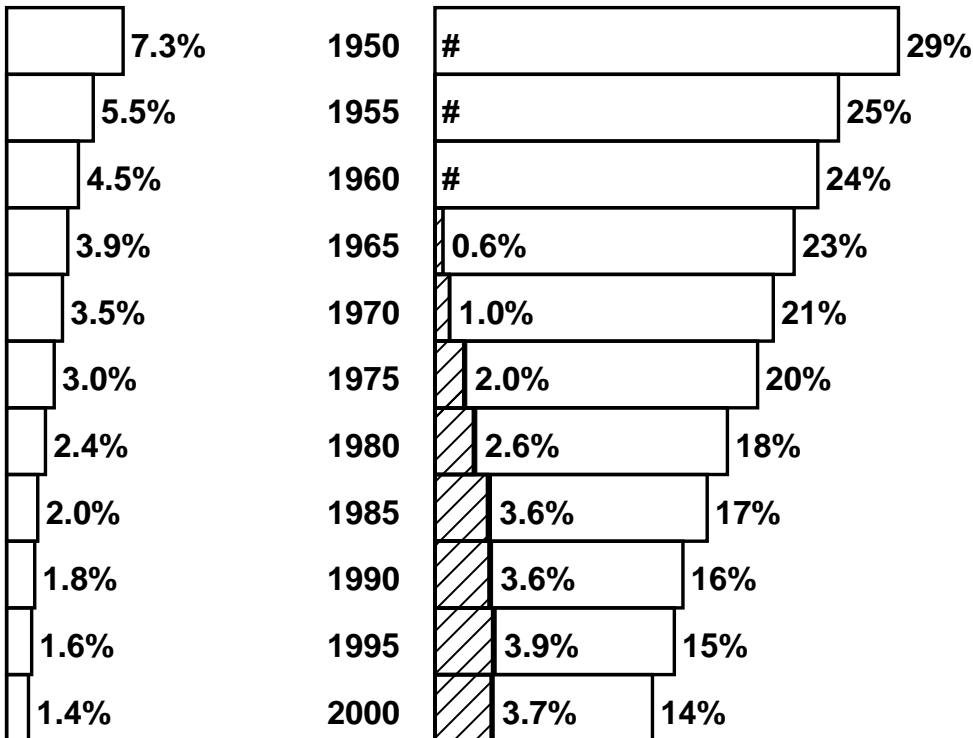
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 22 would die before age 70 (with 6 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

CANADA: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	-/15	3.5/28 (13%)	0.5/27 (2%)	4.0/70	-/11	0.0/18	0.0/25	0.0/53
1955	-/14	4.9/29 (17%)	1.4/32 (4%)	6.3/75	-/9.4	0.1/17	0.0/27	0.1/53
1960	-/14	6.3/31 (20%)	2.6/37 (7%)	8.9/82	-/8.8	0.0/18	0.0/31	0.0/58
1965	-/12	8.4/34 (25%)	3.9/41 (10%)	12/87	-/7.5	0.5/19 (3%)	0.0/36	0.5/62
1970	-/11	11/38 (28%)	5.8/42 (14%)	17/91	-/6.4	1.0/20 (5%)	0.3/38 (0.7%)	1.3/65
1975	-/11	12/40 (30%)	8.0/45 (18%)	20/97	-/5.7	2.2/22 (10%)	0.7/43 (2%)	2.9/70
1980	-/10	13/40 (33%)	9.9/48 (21%)	23/98	-/4.9	3.1/22 (14%)	2.3/47 (5%)	5.4/74
1985	-/8.2	13/38 (35%)	12/54 (23%)	25/100	-/4.0	4.5/22 (21%)	4.5/55 (8%)	9.0/81
1990	-/7.7	13/38 (35%)	14/58 (24%)	27/104	-/3.7	5.0/22 (23%)	6.9/62 (11%)	12/88
1995	-/6.9	12/38 (31%)	16/66 (24%)	27/111	-/3.3	5.6/23 (25%)	10/74 (14%)	16/99
2000	-/5.1	9.9/36 (27%)	16/70 (22%)	26/112	-/2.7	5.9/22 (26%)	13/81 (16%)	19/106

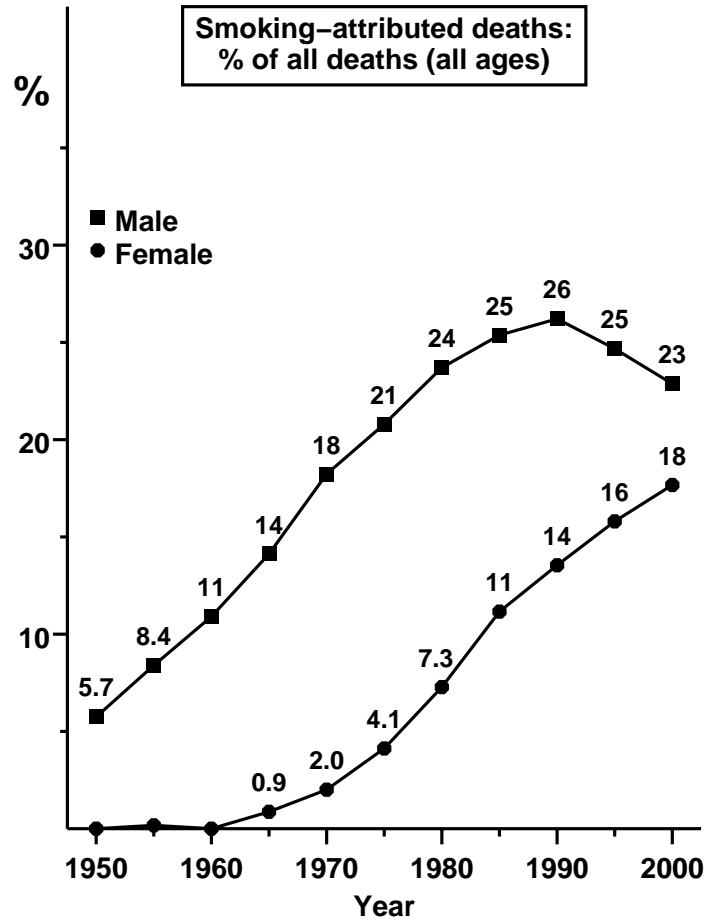
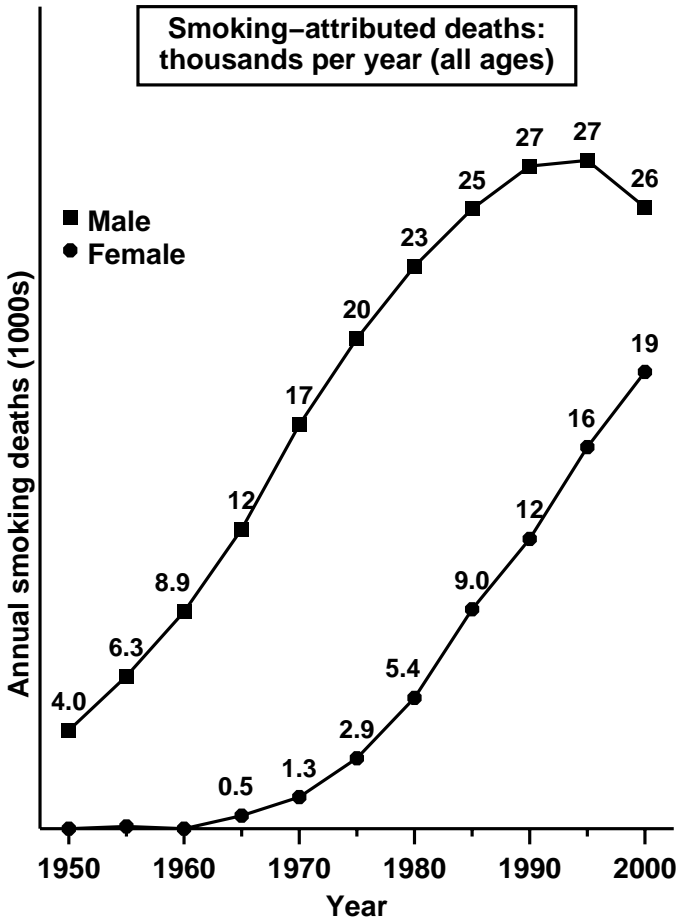
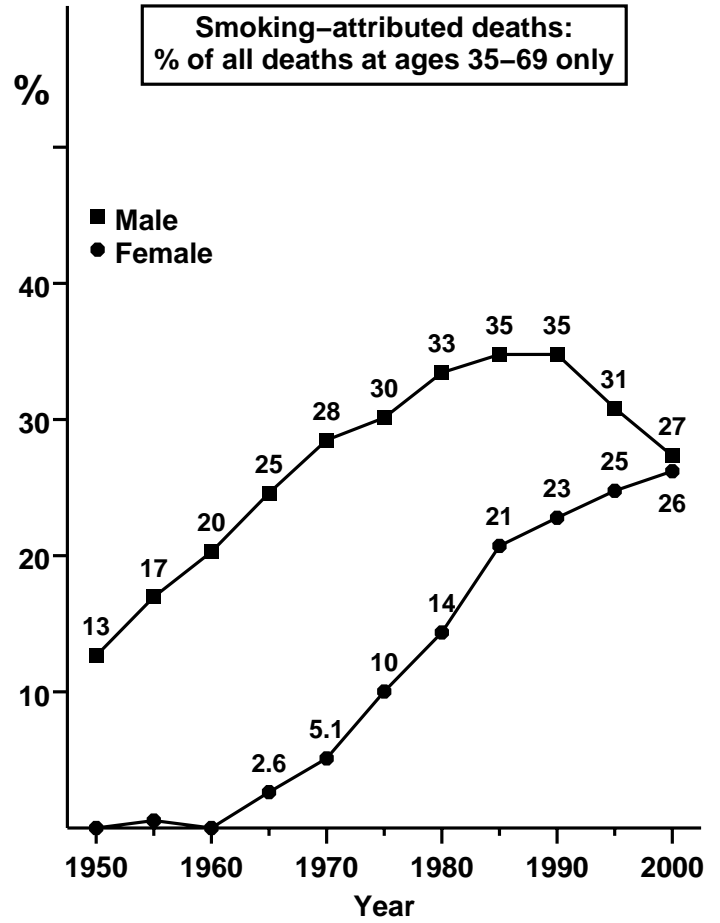
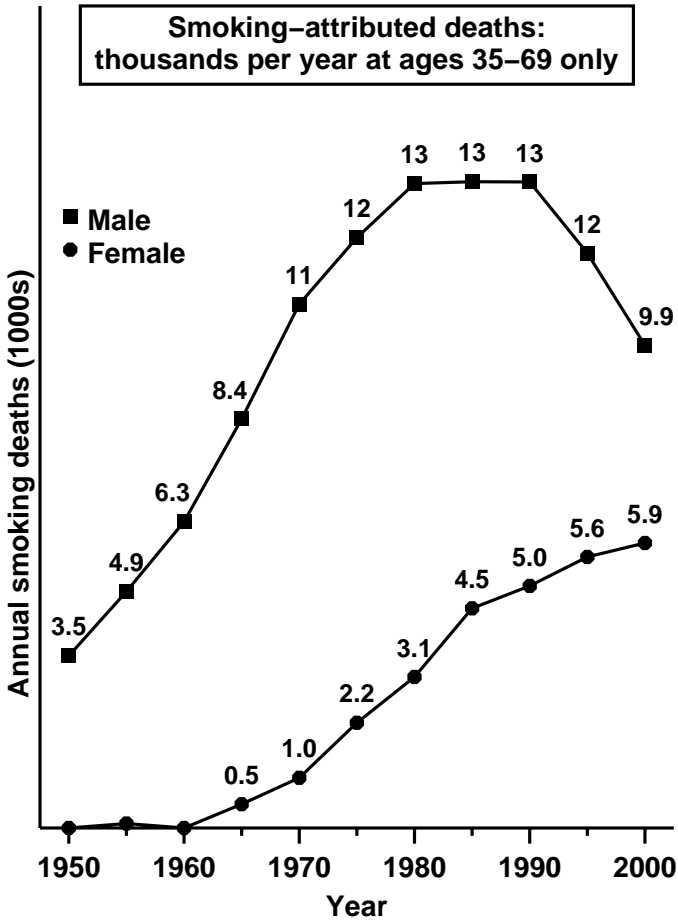
50-year total* (thousands), mid-1950 to mid-2000: 1200 / 8363

1950-2000 by age & sex:

-/524	505/1797 (28%)	412/2386 (17%)	917/4707	-/299	128/1013 (13%)	154/2344 (7%)	282/3656
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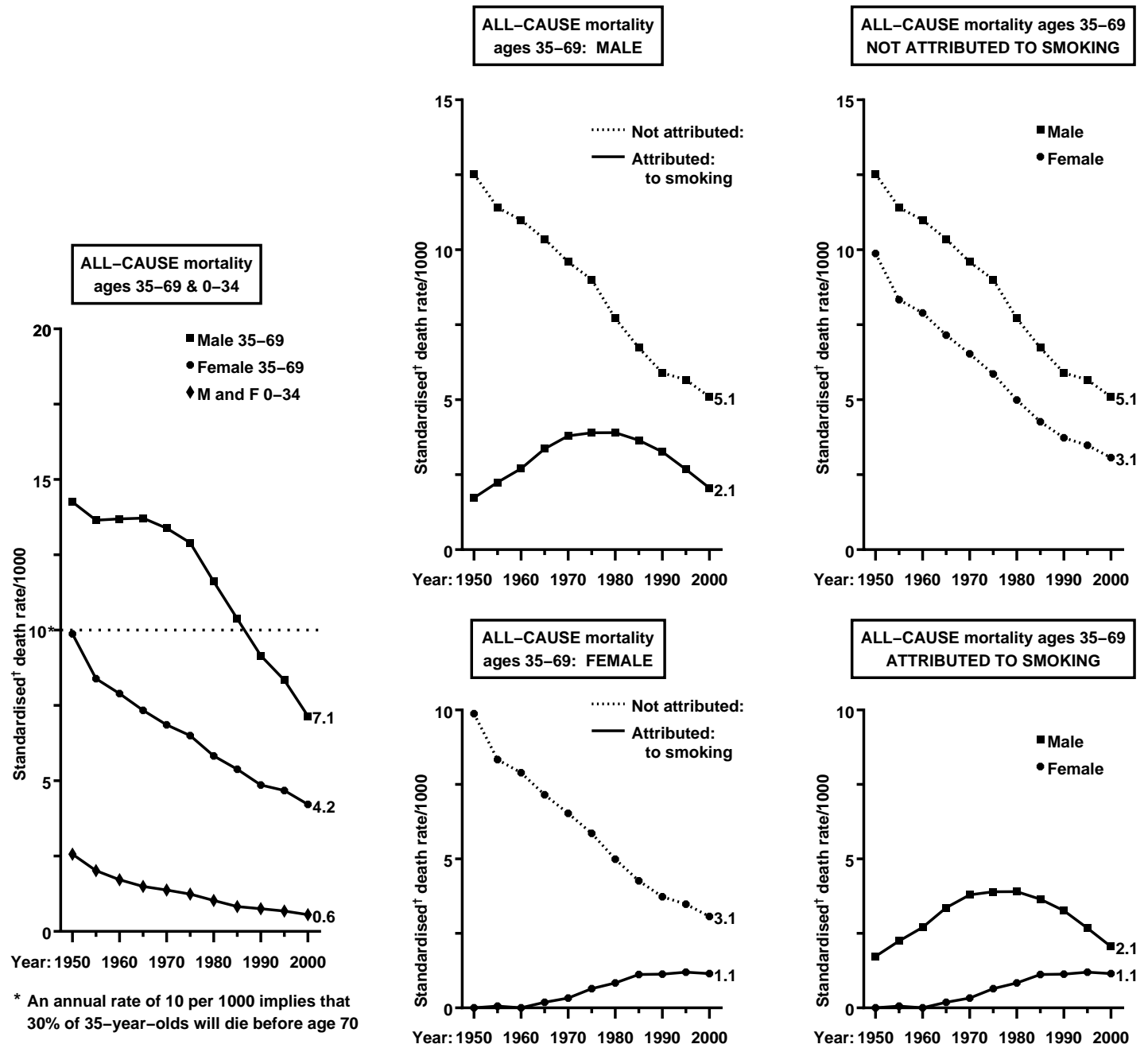
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1950-2000: CANADA



CANADA: 1950-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

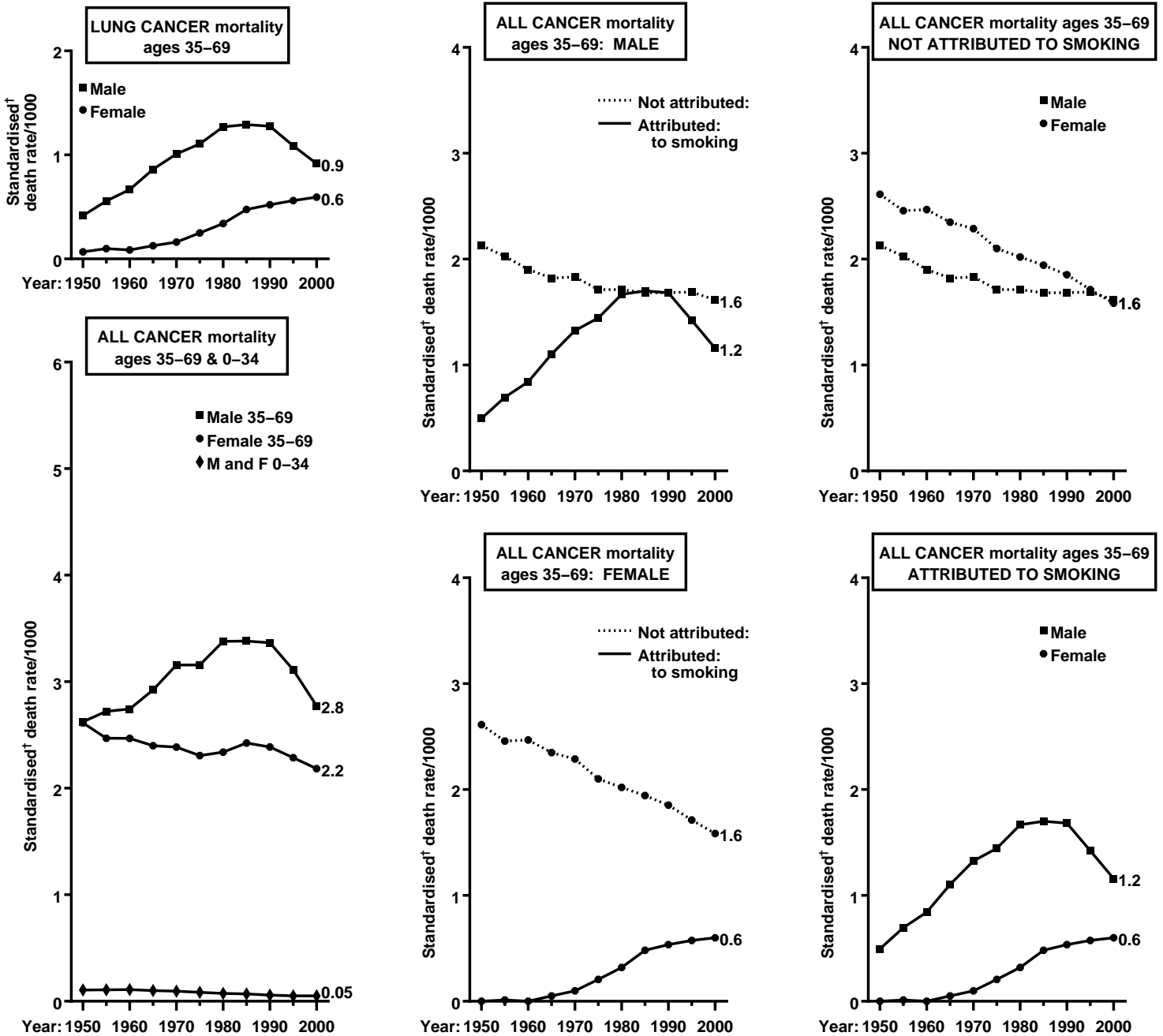
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	-	2.94	1.73	12.5	1.46	68.1	-	2.18	0.00	9.87	0.00	56.2				
1955	-	2.42	2.24	11.4	3.41	65.5	-	1.60	0.06	8.33	0.00	51.1				
1960	-	2.10	2.70	11.0	5.67	63.3	-	1.32	0.00	7.89	0.00	47.3				
1965	-	1.86	3.36	10.4	7.81	60.2	-	1.12	0.18	7.15	0.11	43.4				
1970	-	1.72	3.79	9.59	11.0	55.4	-	1.02	0.33	6.53	0.42	38.6				
1975	-	1.60	3.89	9.00	13.1	50.7	-	0.87	0.64	5.86	0.91	35.6				
1980	-	1.34	3.90	7.71	14.0	46.0	-	0.71	0.83	4.99	2.17	30.7				
1985	-	1.08	3.64	6.73	14.4	42.4	-	0.57	1.12	4.26	3.40	27.3				
1990	-	0.99	3.26	5.89	14.1	37.4	-	0.51	1.13	3.73	4.25	23.9				
1995	-	0.89	2.67	5.66	13.0	35.8	-	0.45	1.20	3.48	5.05	22.1				
2000	-	0.71	2.05	5.09	11.0	32.0	-	0.40	1.15	3.07	5.39	19.8				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: CANADA

Trends in ALL CANCER mortality attributed and not attributed to smoking



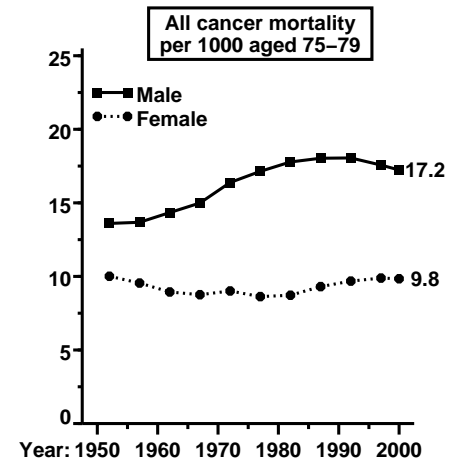
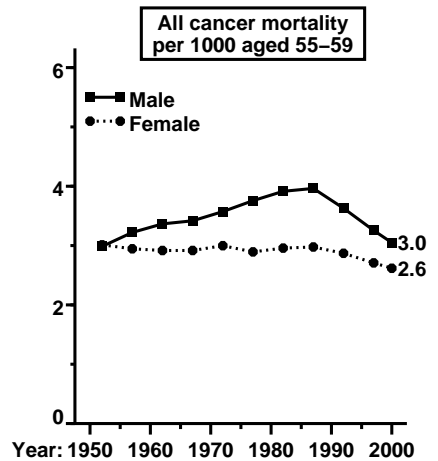
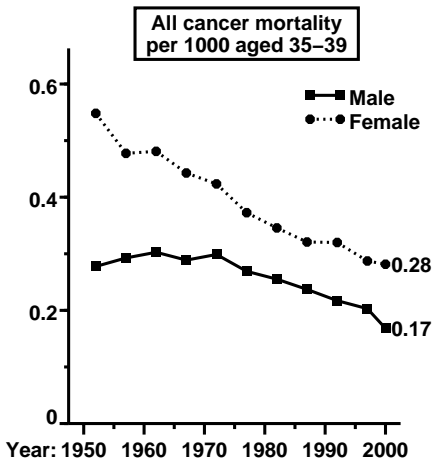
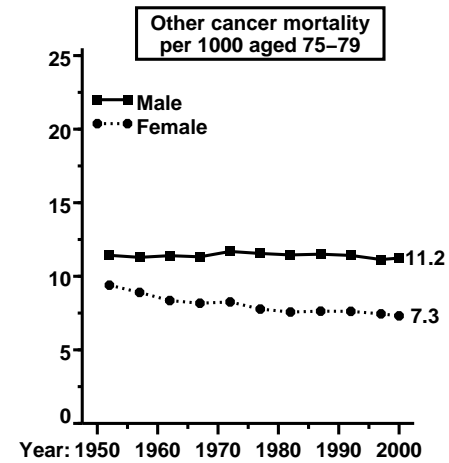
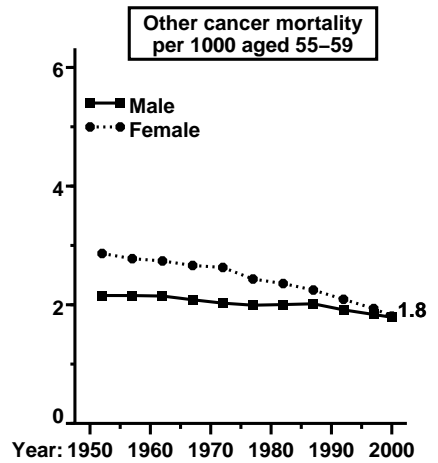
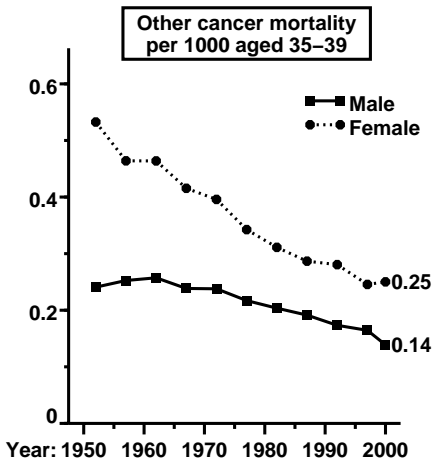
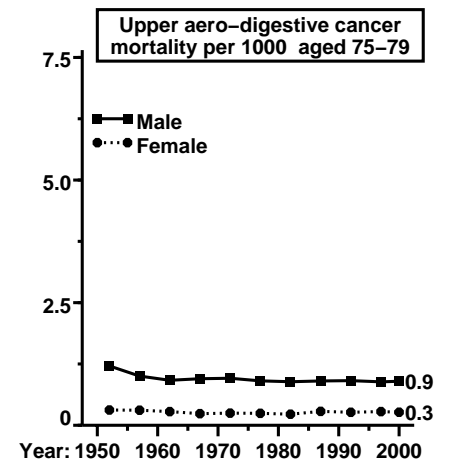
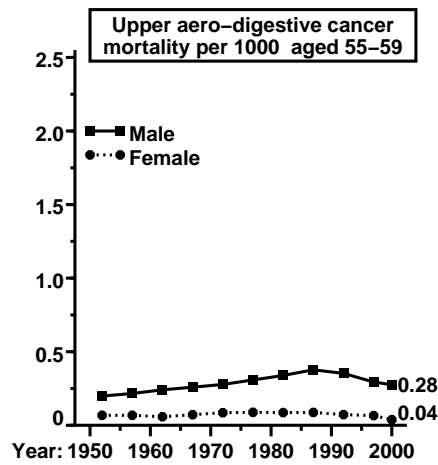
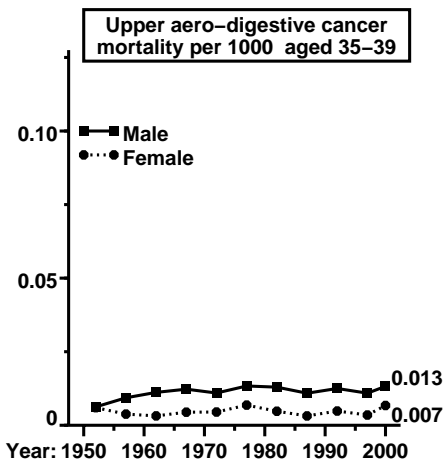
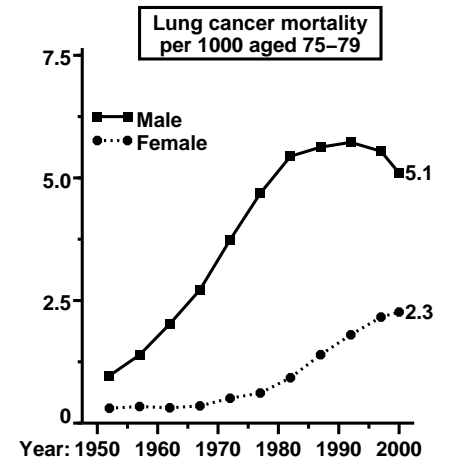
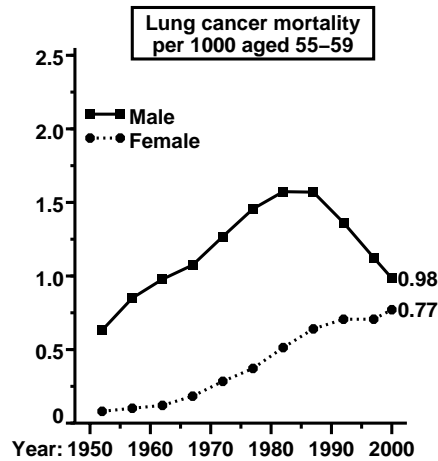
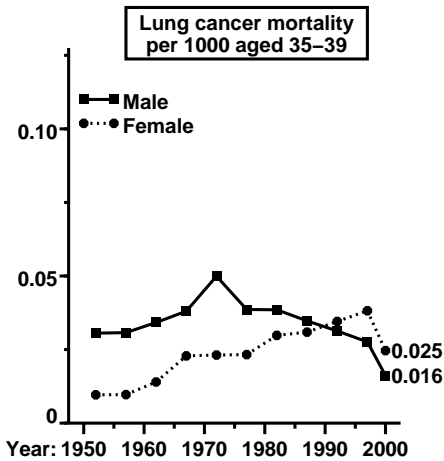
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)									
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	-	0.10	0.49	2.13	0.55	10.5	-	0.11	0.00	2.61	0.00	8.68	-	0.11	0.01	2.46	0.00	8.39
1955	-	0.11	0.69	2.03	1.37	10.7	-	0.11	0.01	2.46	0.00	8.39	-	0.10	0.00	2.47	0.00	8.25
1960	-	0.12	0.84	1.90	2.21	10.5	-	0.10	0.00	2.47	0.00	8.25	-	0.09	0.05	2.35	0.02	7.90
1965	-	0.11	1.10	1.82	2.97	9.82	-	0.09	0.10	2.29	0.11	7.65	-	0.09	0.21	2.10	0.25	7.53
1970	-	0.10	1.32	1.83	4.26	9.99	-	0.07	0.32	2.02	0.70	7.06	-	0.07	0.48	1.94	1.21	7.13
1975	-	0.09	1.44	1.71	6.51	9.15	-	0.07	0.53	1.85	1.61	6.83	-	0.07	0.57	1.71	1.98	6.66
1980	-	0.08	1.67	1.71	6.86	8.86	-	0.05	0.57	1.71	1.98	6.66	-	0.05	0.60	1.58	2.31	6.38
1985	-	0.07	1.70	1.68	6.59	9.04	-	0.05	0.60	1.58	2.31	6.38	-	0.05	0.60	1.58	2.31	6.38
1990	-	0.06	1.68	1.68	5.96	9.02	-	0.05	0.60	1.58	2.31	6.38	-	0.05	0.60	1.58	2.31	6.38
1995	-	0.05	1.42	1.69	5.96	9.02	-	0.05	0.60	1.58	2.31	6.38	-	0.05	0.60	1.58	2.31	6.38
2000	-	0.05	1.16	1.61	5.96	9.02	-	0.05	0.60	1.58	2.31	6.38	-	0.05	0.60	1.58	2.31	6.38

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

CANADA: 1950-2000

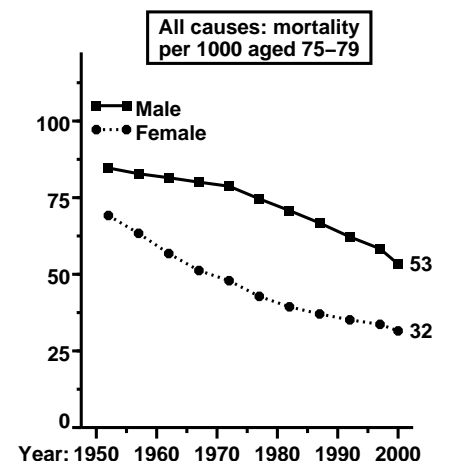
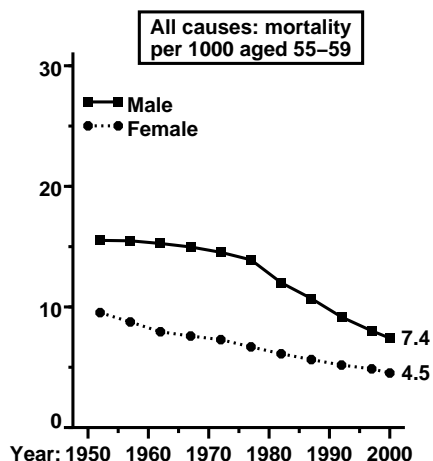
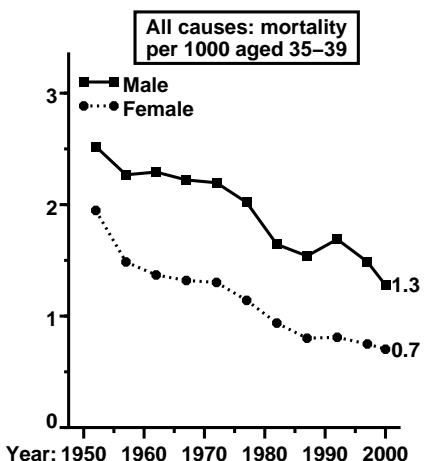
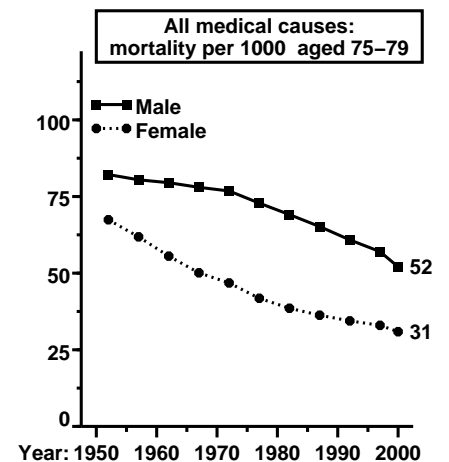
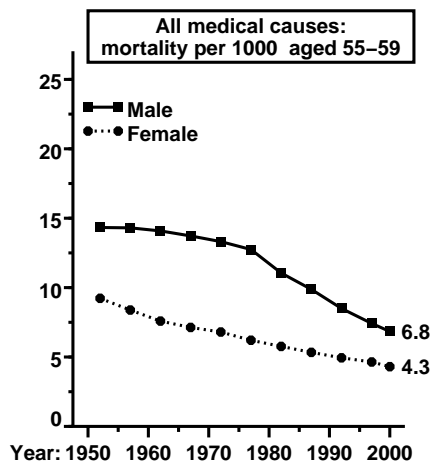
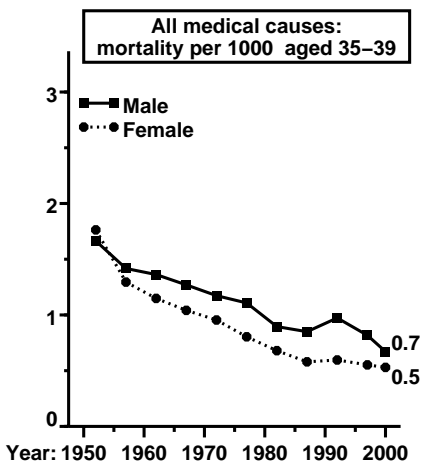
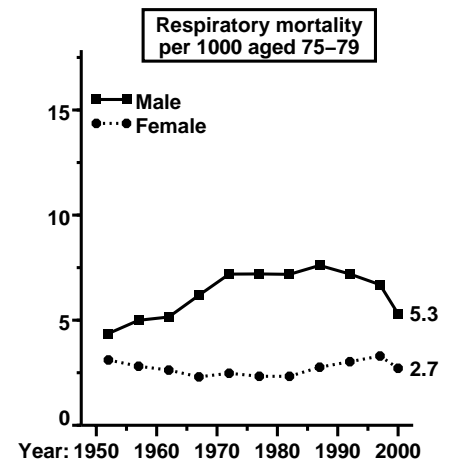
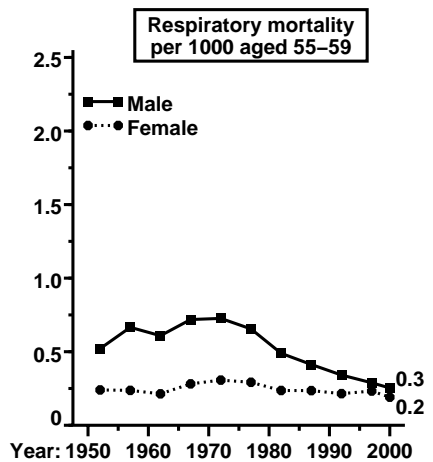
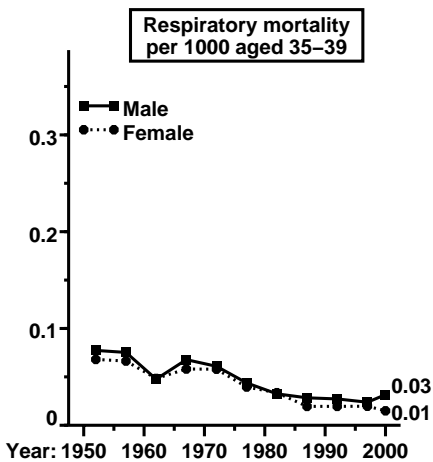
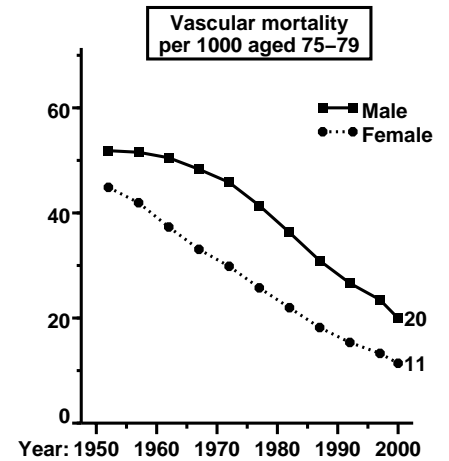
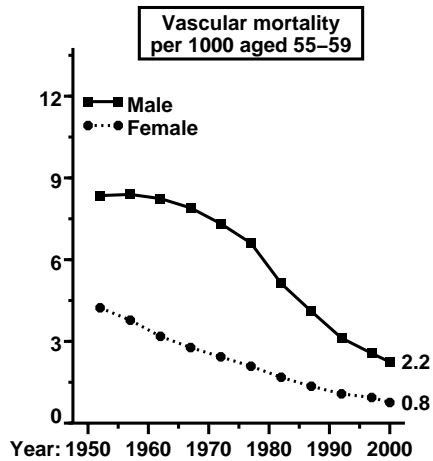
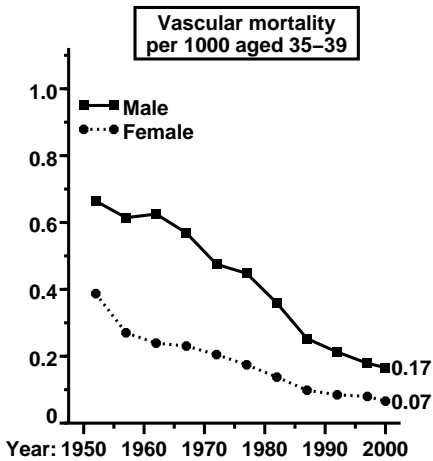
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

1950-2000: CANADA

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

CENTRAL ASIA (8 countries*): 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	311762	61989	154772	1690.7	273.1	2067.3	722.3	67.1	59.8	124.2	227.6	314.5	396.3
	F	282497	38085	92477	1100.0	166.3	1113.5	588.1	49.4	40.2	65.1	111.7	138.2	171.4
Tuberculosis	M	10165	3296	6369	39.0	16.7	63.2	1.1	0.4	0.6	2.8	20.3	39.4	52.2
	F	3398	1323	1757	11.1	6.4	15.9	1.3	0.7	0.4	3.1	9.0	15.2	15.4
HIV	M	7	7	-	0.0	0.0	-	-	-	-	-	-	0.2	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	4730	3797	753	13.1	15.5	8.1	83.0	3.6	2.9	3.4	5.7	4.4	5.4
	F	3832	3096	508	10.0	13.1	5.0	69.6	3.4	2.0	2.5	5.2	4.6	4.1
ALL CANCER	M	31761	2123	21076	174.9	9.5	300.7	5.7	5.3	5.8	7.9	9.5	13.5	18.6
	F	28001	1956	16882	113.2	9.1	191.8	4.5	4.1	3.5	5.7	7.9	14.5	23.7
Mouth and pharynx cancer	M	1107	52	805	6.1	0.2	11.3	0.1	-	0.1	0.2	0.3	0.5	0.5
	F	420	21	232	1.7	0.1	2.5	0.1	0.1	0.0	0.1	0.0	0.1	0.3
Oesophagus cancer	M	2350	20	1522	14.0	0.1	23.0	0.0	0.0	0.0	-	0.1	0.2	0.3
	F	1818	29	955	7.6	0.1	12.0	0.0	-	-	0.0	0.3	0.3	0.3
Stomach cancer	M	5348	124	3578	30.5	0.6	51.4	0.1	-	-	0.2	0.8	1.3	2.0
	F	3507	111	1945	14.3	0.6	23.2	0.0	0.1	0.0	0.1	0.2	1.2	2.4
Colorectal cancer	M	1853	72	1176	10.7	0.4	17.3	0.0	-	0.1	0.1	0.3	0.5	1.4
	F	2157	79	1267	8.8	0.4	14.9	0.0	-	-	0.1	0.3	1.2	1.2
Liver cancer	M	1884	60	1319	10.3	0.3	19.0	-	-	0.4	-	0.2	1.0	0.3
	F	1236	45	744	5.3	0.2	9.6	-	-	-	-	-	0.5	1.1
Pancreas cancer	M	788	7	542	4.5	0.0	7.6	-	-	-	-	-	-	0.3
	F	805	16	432	3.4	0.1	5.3	-	-	-	-	0.3	0.3	-
Larynx cancer	M	993	14	736	5.6	0.1	10.6	-	-	-	0.1	0.1	0.0	0.3
	F	172	16	99	0.7	0.1	1.2	0.0	-	0.0	0.1	0.1	0.2	0.2
Lung cancer	M	7531	104	5574	42.2	0.5	81.3	0.0	0.0	0.1	0.2	0.6	1.1	1.5
	F	2014	74	1180	8.3	0.4	14.0	0.1	-	0.0	0.1	0.3	0.5	1.6
Malignant melanoma	M	409	15	248	2.6	0.1	3.2	-	-	-	-	-	0.2	0.4
	F	429	12	184	1.8	0.1	2.2	-	-	-	-	0.2	-	0.2
Female breast cancer	F	4685	144	3399	19.5	0.8	36.6	0.0	-	0.0	0.0	0.3	1.0	3.9
Cervix cancer	F	1657	95	1115	6.5	0.5	11.5	-	-	0.0	-	0.2	0.9	2.4
Other uterine cancer	F	1424	64	941	5.8	0.3	10.5	-	-	-	0.0	0.3	1.0	1.0
Ovarian cancer	F	874	48	588	3.6	0.2	6.6	-	-	0.2	0.2	0.3	0.3	0.6
Prostate cancer	M	999	9	448	6.5	0.0	7.1	0.0	-	-	-	0.1	0.1	0.1
Bladder cancer	M	1739	52	1055	10.2	0.2	15.2	0.9	-	-	0.2	0.1	0.2	0.2
	F	641	25	370	2.6	0.1	4.4	0.2	-	-	0.2	-	0.1	0.3
Other and ill-defined cancer sites	M	4106	604	2689	21.0	2.8	36.6	1.2	1.2	1.0	2.1	3.6	4.0	6.4
	F	4127	488	2413	16.2	2.2	27.0	1.3	1.3	1.3	2.0	2.5	3.1	3.6
Hodgkin's disease	M	441	108	271	2.0	0.5	3.4	-	0.2	0.4	1.1	0.2	1.0	0.3
	F	271	48	154	1.0	0.2	1.5	-	-	0.2	-	0.3	0.8	0.3
Myeloma and non- Hodgkin lymphomas	M	1019	257	638	4.6	1.1	8.0	0.7	0.7	1.0	1.0	1.0	1.1	2.3
	F	729	192	398	2.6	0.9	4.2	0.4	0.6	0.4	0.8	1.2	0.9	1.8
Leukaemia	M	1194	625	475	4.1	2.5	5.7	2.7	3.1	2.8	2.7	2.0	2.1	2.3
	F	1035	449	466	3.3	1.9	4.7	2.3	2.1	1.2	2.0	1.3	2.0	2.5
Diabetes	M	4099	209	2817	22.8	1.0	40.8	0.0	0.1	0.3	0.7	1.1	2.0	2.7
	F	5903	255	3261	24.3	1.2	42.3	0.1	0.2	0.7	1.0	1.7	2.2	2.3
ALL VASCULAR DISEASE	M	146458	4263	75245	960.8	21.0	1091.3	9.1	2.3	2.7	8.0	18.7	37.3	69.1
	F	167099	2501	47924	689.3	12.0	618.3	8.2	2.2	2.2	5.0	12.0	21.5	32.8
Rheumatic heart disease and fever	M	1589	410	1050	6.6	2.0	11.3	0.2	0.2	0.4	1.4	1.7	4.2	5.9
	F	2022	412	1359	7.6	2.0	13.6	0.1	0.2	0.4	1.2	2.2	4.5	5.3
Hypertensive disease	M	10452	193	6090	66.2	0.9	90.7	0.8	0.2	0.2	0.3	0.8	1.6	2.7
	F	12728	190	5562	53.4	0.9	71.5	0.9	0.2	0.1	0.2	0.7	1.6	2.7
Ischaemic heart disease	M	83890	1353	42303	562.1	7.1	617.5	0.1	0.1	0.0	1.2	3.9	12.2	32.2
	F	88148	458	21900	364.3	2.3	289.6	-	0.1	0.0	0.6	2.0	4.3	9.5
Pulmonary embolism and other venous	M	512	126	324	2.3	0.6	4.1	-	-	0.2	-	1.2	1.5	1.4
	F	562	102	279	2.1	0.5	2.9	-	-	0.4	0.2	1.0	0.3	1.4
Cerebrovascular disease	M	34126	505	17110	228.6	2.5	256.8	0.4	0.1	0.2	1.0	2.0	5.2	8.8
	F	47907	300	14151	198.6	1.5	183.7	0.4	0.1	0.1	0.4	1.6	2.8	5.0
Other vascular disease	M	15889	1676	8368	94.9	7.8	110.9	7.6	1.7	1.7	4.1	9.1	12.6	18.0
	F	15732	1039	4673	63.3	4.8	57.0	6.8	1.7	1.2	2.3	4.5	8.1	8.8
Chronic obstructive pulmonary disease	M	13104	748	6489	82.1	3.5	97.6	3.1	0.8	1.1	2.4	3.0	5.9	8.0
	F	10073	522	3438	40.9	2.4	43.6	2.0	0.5	0.9	1.6	3.3	3.8	4.7
Other respiratory disease	M	17916	12649	3510	59.6	51.1	44.8	302.9	13.0	7.2	6.6	7.1	10.0	10.5
	F	14192	10447	1807	39.3	43.6	20.2	262.6	12.6	6.1	4.4	6.8	6.8	5.8
Peptic ulcer	M	1944	189	1348	10.1	0.9	16.9	0.1	0.1	0.0	0.6	1.2	1.9	2.5
	F	729	79	360	2.9	0.4	4.2	0.1	0.0	0.1	0.2	0.6	0.8	0.8
Liver cirrhosis (incl. some other digestive)	M	10704	1300	7349	54.1	6.1	94.2	1.2	1.1	2.2	6.2	7.9	9.5	14.3
	F	8779	861	4884	35.3	4.1	57.0	0.7	0.9	1.3	2.9	6.1	6.5	10.1
Renal disease	M	4596	1238	2441	21.7	5.7	29.4	3.1	2.0	1.9	4.7	7.1	9.6	11.2
	F	3931	1063	2033	14.1	4.9	21.2	3.1	1.5	2.1	2.5	7.1	7.8	10.4
Pregnancy, birth Congenital and perinatal causes	M	536	407	127	1.3	2.0	0.7	-	-	0.0	1.2	4.0	3.7	4.9
	F	7476	7399	61	17.0	29.7	0.6	200.9	1.8	1.0	1.3	1.0	1.2	1.0
Ill-defined causes	M	5236	5153	66	12.3	21.5	0.5	145.4	1.4	1.1	0.5	1.2	0.5	0.6
	F	9129	1892	3641	57.7	8.7	41.9	12.3	1.9	2.1	4.4	9.8	13.9	16.2
	F	9964	902	1247	39.9	4.0	14.0	10.2	1.5	1.7	1.9	3.1	4.2	5.0
Other medical causes	M	10820	4470	5042	43.0	19.2	57.0	39.2	10.0	9.1	13.9	16.6	21.2	24.6
	F	8557	3594	3357	27.7	15.7	33.2	33.5	8.4	7.2	10.4	14.9	16.5	18.9
ALL NON- MEDICAL CAUSES	M	38853	18409	18631	135.0	84.6	180.6	60.5	24.7	22.8	61.4	118.5	144.6	160.0
	F	12267	5926	4826	38.3	26.0	45.5	46.7	12.0	10.8	22.2	28.8	29.7	31.8
Motor vehicle traffic accidents	M	4654	2281	2148	15.5	10.5	19.8	3.5	6.2	3.9	5.3	13.4	18.3	23.0
	F	1342	596	574	4.2	2.6	5.4	2.8	2.7	1.5	2.3	2.7	2.6	3.3
Fire	M	1097	566	452	3.9	2.5	4.8	6.3	1.0	0.4	1.3	2.1	3.0	3.3
	F	871	504	256	2.5	2.2	2.3	3.9	0.7	0.9	1.8	2.3	2.6	3.3
Suicide	M	7055	3145	3610	24.7	14.8	34.9	-	0.0	3.7	15.4	24.9	31.2	28.6
	F	1764	881	687	5.4	4.0	6.2	-	0.0	1.0	7.0	8.4	6.9	4.6
Homicide	M	4123	1901	2030	14.3	9.3	18.6	0.6	0.3	0.5	6.0	16.1	18.5	22.6
	F	1346	480	697	4.6	2.3	6.6							

2000: CENTRAL ASIA (8 countries)

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
486.9	703.2	1009.2	1649.9	2222.5	3297.4	5101.7	6920.8	10002.7	18514.0	M	ALL CAUSES	001-999/A00-Y89
204.9	298.3	430.8	778.7	1127.4	1814.4	3139.9	4732.8	7690.1	15648.3	F		
52.6	59.3	66.5	69.9	70.1	65.4	58.8	50.9	39.9	62.5	M	Tuberculosis	010-018, 137/ A15-A19, B90
14.2	15.8	13.3	17.2	17.0	15.2	18.8	18.2	14.9	18.7	F		
-	-	-	-	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
5.5	6.4	6.9	7.0	8.0	10.0	12.5	15.0	14.8	33.9	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
3.3	3.6	3.8	4.3	5.3	6.2	8.4	8.6	11.9	20.4	F		
30.9	61.4	117.4	238.9	359.6	547.4	749.4	861.7	961.9	738.3	M	ALL CANCER	140-208/C00-C97
42.2	71.4	112.5	183.1	220.7	310.3	402.5	489.3	595.2	432.5	F		
0.7	2.7	5.3	11.5	15.2	20.1	23.3	25.5	27.4	21.4	M	Mouth and pharynx cancer	140-149/C00-C14
0.6	1.3	1.8	2.1	2.5	4.2	5.3	7.0	10.7	11.7	F		
0.9	2.6	7.3	13.9	27.4	43.5	65.1	77.1	96.9	76.7	M	Oesophagus cancer	150/C15
1.1	1.7	3.9	7.6	14.0	23.0	32.4	39.4	54.3	48.8	F		
4.6	10.5	20.8	36.1	61.7	92.9	133.4	169.8	167.3	150.5	M	Stomach cancer	151/C16
3.6	6.4	9.8	15.3	24.2	42.9	60.2	76.3	94.9	70.0	F		
1.8	2.7	6.2	11.4	18.1	30.1	50.8	55.4	77.1	59.5	M	Colorectal cancer	153, 154/C18-C21
2.7	4.2	7.9	12.7	15.3	24.1	37.3	45.6	55.3	31.4	F		
3.2	3.9	8.4	12.6	22.5	25.2	56.8	56.8	46.2	36.3	M	Liver cancer	155.0/C22 excl C221
0.2	2.5	4.1	6.7	12.9	10.1	30.6	19.3	37.7	20.8	F		
1.3	1.2	2.6	4.0	7.9	17.3	19.1	23.0	27.8	23.2	M	Pancreas cancer	157/C25
0.5	0.3	3.4	3.1	10.4	9.6	10.0	21.5	13.2	22.5	F		
0.9	1.8	2.8	9.2	13.2	22.3	24.3	27.5	19.7	20.2	M	Larynx cancer	161/C32
0.2	0.4	0.6	0.4	1.3	2.1	3.1	3.1	4.0	2.3	F		
4.1	12.1	29.3	69.3	95.8	158.3	200.4	203.9	206.7	99.3	M	Lung cancer	162/C33, C34
2.6	3.5	6.8	11.7	16.5	22.5	34.8	40.2	53.6	32.2	F		
1.0	1.1	1.8	3.2	4.5	4.3	6.5	9.2	12.1	38.1	M	Malignant melanoma	172/C43
0.4	0.5	0.9	2.5	2.4	3.9	4.6	7.3	14.9	20.8	F		
8.9	18.8	29.7	46.0	46.0	52.4	54.0	61.0	74.2	53.8	F	Female breast cancer	174/C50
4.7	7.4	10.1	11.7	11.3	14.3	20.7	25.0	29.5	18.4	F	Cervix cancer	180/C53
2.5	4.7	6.5	11.4	12.0	16.2	19.9	24.1	24.5	19.3	F	Other uterine cancer	179, 182/C54, C55
1.3	2.8	5.4	4.5	9.9	10.1	12.1	14.2	13.2	10.8	F	Ovarian cancer	183/C56, C570-C574
0.3	0.4	0.9	2.5	6.4	14.7	24.6	45.6	66.4	71.4	M	Prostate cancer	185/C61
1.1	2.7	4.8	12.0	16.6	32.2	37.0	58.6	78.5	62.5	M	Bladder cancer	188/C67
0.5	0.5	1.7	4.5	2.9	10.8	10.0	11.8	16.6	13.6	F		
4.7	12.1	16.2	37.4	51.6	60.3	74.1	82.9	100.0	54.7	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
7.6	10.1	13.4	31.4	28.3	46.0	52.4	76.0	74.4	43.7	F		
1.3	0.3	2.9	2.1	3.6	7.4	6.2	4.7	9.4	7.7	M	Hodgkin's disease	201/C81
0.7	0.8	0.3	1.8	1.2	5.3	0.6	3.1	5.2	3.6	F		
2.4	4.0	4.8	7.9	9.9	11.4	15.5	12.0	15.2	10.7	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.4	2.4	3.1	4.7	4.3	6.7	6.6	7.1	10.9	5.3	F		
2.6	3.4	3.2	5.7	5.3	7.3	12.4	9.8	11.2	5.9	M	Leukaemia	204-208/C91-C95
2.7	3.0	3.2	4.9	5.4	6.2	7.8	7.3	8.2	3.6	F		
3.9	6.9	14.9	30.5	49.1	74.6	105.7	110.5	110.3	97.0	M	Diabetes	250/E10-E14
2.3	3.9	10.0	22.6	42.9	79.9	134.7	150.5	140.4	84.8	F		
112.3	227.5	406.6	750.5	1141.3	1844.0	3156.8	4613.3	7137.7	13873.3	M	ALL VASCULAR DISEASE	390-459/I00-I99
45.5	85.5	153.5	341.8	578.6	1060.5	2062.8	3384.6	5881.4	12504.3	F		
6.5	8.6	11.4	12.4	15.6	12.6	12.0	14.0	10.3	13.1	M	Rheumatic heart disease and fever	390-398/I00-I09
6.6	10.0	12.1	14.4	19.3	16.1	16.5	11.1	15.1	17.4	F		
5.6	14.3	30.7	63.6	105.2	153.2	262.5	320.6	457.4	727.5	M	Hypertensive disease	401-405/I10-I15
4.0	9.7	22.2	47.2	82.3	117.8	217.2	267.1	398.1	580.7	F		
57.5	124.5	226.9	410.4	633.4	1045.0	1824.9	2717.3	4286.1	8538.4	M	Ischaemic heart disease	410-414/I20-I25
14.8	28.0	50.7	131.8	246.4	509.6	1046.1	1816.2	3281.4	7257.6	F		
1.9	1.8	1.8	2.5	3.6	6.0	11.0	5.3	7.6	7.7	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.7	2.8	2.3	2.2	3.7	2.4	6.3	6.7	12.2	13.6	F		
15.1	37.9	77.2	168.5	264.1	458.1	776.7	1163.1	1780.3	3304.0	M	Cerebrovascular disease	430-438/I60-I69
7.7	21.8	45.8	108.7	170.0	327.8	604.3	1015.8	1695.6	3492.5	F		
25.7	40.4	58.7	93.0	119.4	169.2	269.7	392.9	596.0	1282.6	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
11.8	13.2	20.4	37.5	57.0	86.7	172.2	267.7	479.2	1142.7	F		
10.1	15.6	22.8	51.7	89.3	174.2	319.7	462.3	639.5	989.9	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
5.8	7.8	11.8	23.3	45.2	68.8	142.3	202.4	327.3	589.4	F		
15.2	16.8	26.9	37.5	53.5	66.7	96.9	129.0	185.2	338.5	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
7.1	9.8	9.7	12.1	21.2	28.7	53.0	60.5	98.3	199.3	F		
4.7	8.3	10.6	15.7	22.1	24.8	32.2	37.1	48.4	45.2	M	Peptic ulcer	531-533/K25-K27
1.1	1.0	2.3	3.3	4.5	7.2	9.8	15.2	14.9	18.2	F		
23.8	37.4	58.0	91.4	108.4	147.9	192.6	199.1	214.3	226.7	M	Liver cirrhosis (incl. some other digestive)	571/K70, K74
11.9	19.5	25.8	50.2	71.2	90.6	129.7	140.1	171.2	210.1	F		
11.4	17.3	18.4	31.5	32.3	38.5	56.7	70.3	109.4	149.3	M	Renal disease	580-590/N00-N19
10.3	12.4	13.8	22.0	21.8	27.7	40.3	37.6	50.9	55.8	F		
2.9	1.5	0.3	0.3	-	-	-	-	-	0.4	F	Pregnancy, birth	630-676/A34, O00-O99
0.4	0.6	0.6	0.5	0.8	0.6	1.0	1.2	2.7	1.8	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.8	0.5	0.5	0.7	0.6	0.4	0.2	0.5	0.8	1.9	F		
20.1	24.2	34.4	43.4	47.1	58.5	65.7	115.9	241.3	1405.1	M	Ill-defined causes	780-799/R00-R99
5.0	5.6	7.1	13.8	16.6	18.6	31.0	85.0	221.2	1275.2	F		
29.8	39.3	44.6	59.7	58.5	69.3	98.0	107.2	142.2	206.4	M	Other medical causes	Rest of 001-799/ rest of A00-R99
20.2	22.9	25.4	32.1	31.7	45.5	54.7	73.8	86.7	115.8	F		
166.2	182.3	180.5	221.6	182.6	175.4	155.7	147.3	155.2	346.2	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
32.4	37.0	40.7	51.9	50.1	54.7	51.7	66.6	75.0	121.7	F		
22.6	22.7	19.1	23.3	16.8	16.1	18.1	21.0	23.3	28.0	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
4.0	4.6	4.3	6.5	6.8	5.9	5.8	8.9	10.3	9.5	F		
3.1	3.5	4.7	5.2	5.7	6.7	4.8	7.0	7.2	12.5	M	Fire	E890-E899/X00-X09
1.8	2.5	1.8	1.6	2.4	3.5	2.6	4.3	5.4	10.0	F		
32.0	36.3	34.0	45.6	35.8	32.9	27.7	29.3	20.2	47.0	M	Suicide	E950-E959/X60-X84
6.0	5.0	5.3	7.5	5.5	7.6	6.5	7.8	11.9	15.1	F		
21.0	21.8	19.5	21.0	15.7	15.1	15.7	13.0	19.3	42.2	M	Homicide	E960-E969/ X85-X99, Y00-Y09
4.6	5.3	5.9	7.2	7.3	7.7	8.4	7.9	10.5	10.6	F		
2678	2295	1732	1069	796	1107	711	601	223	168	M	POPULATION	
2830	2414	1875	1179	903	1330	889	875	477	472	F	(1000s; UN, 2002 revision)	

CENTRAL ASIA (8 countries): 1995, 2000

See note on page 127

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	87184	2253	126	139	1988	1086	24185	4285	1109	32177	22089
35-69	Sm.	45627	10627	6201	2314	2112	6382	1203	20743	-	6672	-
	Total	170767 (27%)	24282 (44%)	6789 (91%)	3938 (59%)	13555 (16%)	9310 (69%)	3727 (32%)	81302 (26%)	7608	23391 (29%)	21147
70+	Sm.	8059	1753	1042	410	301	2761	103	3046	-	396	-
	Total	83544 (10%)	6384 (27%)	1285 (81%)	1076 (38%)	4023 (7%)	5840 (47%)	1786 (6%)	58578 (5%)	1494	7892 (5%)	1570
Any age	Sm.	53686	12380	7243	2724	2413	9143	1306	23789	-	7068	-
	Total	341495 (16%)	32919 (38%)	8200 (88%)	5153 (53%)	19566 (12%)	16236 (56%)	29698 (4%)	144165 (17%)	10211	63460 (11%)	44806
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	61989	2123	104	86	1933	748	12649	4263	1300	22497	18409
35-69	Sm.	34612	8203	4984	1607	1612	4043	866	16238	-	5262	-
	Total	154772 (22%)	21076 (39%)	5574 (89%)	3063 (52%)	12439 (13%)	6489 (62%)	3510 (25%)	75245 (22%)	7349	22472 (23%)	18631
70+	Sm.	9741	2374	1498	476	400	2802	106	3981	-	478	-
	Total	95001 (10%)	8562 (28%)	1853 (81%)	1301 (37%)	5408 (7%)	5867 (48%)	1757 (6%)	66950 (6%)	2055	7997 (6%)	1813
Any age	Sm.	44353	10577	6482	2083	2012	6845	972	20219	-	5740	-
	Total	311762 (14%)	31761 (33%)	7531 (86%)	4450 (47%)	19780 (10%)	13104 (52%)	17916 (5%)	146458 (14%)	10704	52966 (11%)	38853

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)														
1995		34479	24346	9435	2449	1873	1208	926	1293	884	802	340	163	196
2000		35651	24271	10388	2678	2295	1732	1069	796	1107	711	601	223	168
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		341495	87184	170767	13931	15593	16064	16163	33452	33563	42001	25463	17558	40523
2000		311762	61989	154772	13039	16141	17474	17633	17700	36502	36283	41573	22306	31122
Lung cancer														
1995		8200	126	6789	150	304	499	705	1775	1608	1748	770	303	212
2000		7531	104	5574	109	277	507	741	763	1752	1425	1225	461	167
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
1995		1904.3*	347.9*	2299.9*	568.8	832.5	1329.4	1745.1	2587.8	3798.9	5237.0	7493.5	10804.9	20675.0
2000		1690.7*	273.1*	2067.3*	486.9	703.2	1009.2	1649.9	2222.5	3297.4	5101.7	6920.8	10002.7	18514.0
All cancer														
1995		195.6*	10.1*	341.6*	39.0	76.5	157.1	258.8	442.9	626.5	790.4	954.4	928.0	833.2
2000		174.9*	9.5*	300.7*	30.9	61.4	117.4	238.9	359.6	547.4	749.4	861.7	961.9	738.3
Lung cancer														
1995		48.8*	0.6*	96.7*	6.1	16.2	41.3	76.1	137.3	182.0	218.0	226.6	186.5	108.2
2000		42.2*	0.5*	81.3*	4.1	12.1	29.3	69.3	95.8	158.3	200.4	203.9	206.7	99.3
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		32.0*	0.7*	56.1*	4.7	9.2	22.7	46.3	76.1	107.8	125.9	146.9	157.5	163.8
2000		25.7*	0.4*	44.9*	2.5	7.1	15.4	34.6	55.8	86.0	112.8	130.0	143.9	118.4
Other cancer														
1995		114.8*	8.8*	188.8*	28.1	51.0	93.2	136.4	229.4	336.7	446.5	580.9	584.0	561.2
2000		107.0*	8.5*	174.5*	24.3	42.3	72.7	134.9	208.1	303.2	436.3	527.7	611.2	520.5
Chronic obstructive pulmonary disease (COPD)														
1995		110.7*	4.8*	136.2*	14.0	23.8	46.5	75.3	138.1	264.1	391.9	554.1	857.8	1307.7
2000		82.1*	3.5*	97.6*	10.1	15.6	22.8	51.7	89.3	174.2	319.7	462.3	639.5	989.9
Other respiratory disease														
1995		83.7*	84.2*	48.5*	14.1	22.2	35.2	44.8	55.9	72.3	95.1	137.4	198.8	508.2
2000		59.6*	51.1*	44.8*	15.2	16.8	26.9	37.5	53.5	66.7	96.9	129.0	185.2	338.5
Vascular disease														
1995		1033.4*	20.7*	1163.3*	134.7	264.2	519.1	765.1	1263.0	2075.3	3121.4	4844.6	7563.7	15216.8
2000		960.8*	21.0*	1091.3*	112.3	227.5	406.6	750.5	1141.3	1844.0	3156.8	4613.3	7137.7	13873.3
Liver cirrhosis and some other digestive														
1995		56.6*	5.2*	100.8*	23.4	41.8	67.2	94.7	120.8	165.9	191.5	210.4	190.8	239.3
2000		54.1*	6.1*	94.2*	23.8	37.4	58.0	91.4	108.4	147.9	192.6	199.1	214.3	226.7
Other medical causes														
1995		260.5*	122.9*	284.4*	140.9	177.8	236.8	263.3	325.8	381.9	464.5	630.4	883.1	2201.5
2000		224.4*	97.4*	258.0*	128.4	162.2	196.9	258.3	287.9	341.8	430.5	508.1	709.0	2001.2
All non-medical causes														
1995		163.9*	99.9*	225.1*	202.7	226.2	267.5	243.1	241.3	212.9	182.2	162.2	182.8	368.4
2000		135.0*	84.6*	180.6*	166.2	182.3	180.5	221.6	182.6	175.4	155.7	147.3	155.2	346.2

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: CENTRAL ASIA (8 countries)

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	58218	2255	92	105	2058	950	19824	3047	788	23959	7395
35-69	Sm.	4524	814	468	257	89	914	69	2183	-	544	-
	Total	101366 (4%)	17514 (5%)	1228 (38%)	1745 (15%)	14541 (1%)	4648 (20%)	1701 (4%)	53082 (4%)	4996	13709 (4%)	5716
70+	Sm.	3021	456	222	192	42	1083	28	1312	-	142	-
	Total	146981 (2%)	7863 (6%)	605 (37%)	1165 (16%)	6093 (1%)	6898 (16%)	2159 (1%)	112319 (1%)	2533	13796 (1%)	1413
Any age	Sm.	7545	1270	690	449	131	1997	97	3495	-	686	-
	Total	306565 (2%)	27632 (5%)	1925 (36%)	3015 (15%)	22692 (1%)	12496 (16%)	23684 (0%)	168448 (2%)	8317	51464 (1%)	14524
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	38085	1956	74	66	1816	522	10447	2501	861	15872	5926
35-69	Sm.	3717	679	448	137	94	642	58	1825	-	513	-
	Total	92477 (4%)	16882 (4%)	1180 (38%)	1286 (11%)	14416 (1%)	3438 (19%)	1807 (3%)	47924 (4%)	4884	12716 (4%)	4826
70+	Sm.	3706	514	298	161	55	1112	21	1805	-	254	-
	Total	151935 (2%)	9163 (6%)	760 (39%)	1058 (15%)	7345 (1%)	6113 (18%)	1938 (1%)	116674 (2%)	3034	13498 (2%)	1515
Any age	Sm.	7423	1193	746	298	149	1754	79	3630	-	767	-
	Total	282497 (3%)	28001 (4%)	2014 (37%)	2410 (12%)	23577 (1%)	10073 (17%)	14192 (1%)	167099 (2%)	8779	42086 (2%)	12267

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
	1995	35842	23988	10345	2534	1973	1287	996	1452	1028	1074	648	388	472
	2000	37086	23842	11420	2830	2414	1875	1179	903	1330	889	875	477	472
NUMBER OF DEATHS (Source: WHO)														
All causes														
	1995	306565	58218	101366	6055	6701	7252	8201	18645	21280	33232	31913	30134	84934
	2000	282497	38085	92477	5799	7201	8078	9183	10175	24130	27911	41417	36705	73813
Lung cancer														
	1995	1925	92	1228	60	58	78	103	259	276	394	277	158	170
	2000	2014	74	1180	73	85	127	138	149	299	309	352	256	152
ANNUAL DEATH RATE / 100,000														
All causes					(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)									
	1995	1225.5*	228.0*	1201.8*	238.9	339.6	563.4	823.1	1283.8	2070.2	3093.7	4923.3	7770.5	17979.3
	2000	1100.0*	166.3*	1113.5*	204.9	298.3	430.8	778.7	1127.4	1814.4	3139.9	4732.8	7690.1	15648.3
All cancer														
	1995	119.1*	10.3*	202.6*	45.5	75.8	126.7	170.7	249.3	323.6	426.8	526.4	516.2	518.4
	2000	113.2*	9.1*	191.8*	42.2	71.4	112.5	183.1	220.7	310.3	402.5	489.3	595.2	432.5
Lung cancer														
	1995	8.4*	0.4*	14.7*	2.4	2.9	6.1	10.3	17.8	26.9	36.7	42.7	40.7	36.0
	2000	8.3*	0.4*	14.0*	2.6	3.5	6.8	11.7	16.5	22.5	34.8	40.2	53.6	32.2
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
	1995	13.3*	0.5*	21.0*	3.0	5.2	8.1	14.0	23.6	38.2	54.6	67.9	75.8	91.2
	2000	10.0*	0.3*	15.7*	1.8	3.4	6.3	10.2	17.8	29.3	40.8	49.5	68.9	62.8
Other cancer														
	1995	97.4*	9.3*	167.0*	40.2	67.7	112.6	146.4	207.9	258.5	335.5	415.8	399.7	391.2
	2000	94.9*	8.4*	162.1*	37.8	64.4	99.4	161.2	186.4	258.5	326.9	399.6	472.7	337.5
Chronic obstructive pulmonary disease (COPD)														
	1995	53.5*	4.3*	56.4*	8.7	11.8	20.0	32.1	54.9	102.0	165.1	259.0	386.8	787.3
	2000	40.9*	2.4*	43.6*	5.8	7.8	11.8	23.3	45.2	68.8	142.3	202.4	327.3	589.4
Other respiratory disease														
	1995	56.4*	71.5*	18.8*	8.4	10.1	10.5	15.9	19.8	29.6	37.5	62.3	97.2	291.7
	2000	39.3*	43.6*	20.2*	7.1	9.8	9.7	12.1	21.2	28.7	53.0	60.5	98.3	199.3
Vascular disease														
	1995	743.6*	14.3*	655.9*	55.8	98.7	210.7	374.3	653.0	1215.3	1983.2	3439.7	5913.9	14201.7
	2000	689.3*	12.0*	618.3*	45.5	85.5	153.5	341.8	578.6	1060.5	2062.8	3384.6	5881.4	12504.3
Liver cirrhosis and some other digestive														
	1995	35.6*	3.7*	58.3*	13.1	19.6	30.5	51.3	71.7	102.5	119.1	143.0	147.8	218.7
	2000	35.3*	4.1*	57.0*	11.9	19.5	25.8	50.2	71.2	90.6	129.7	140.1	171.2	210.1
Other medical causes														
	1995	170.2*	93.1*	151.0*	69.0	76.8	103.0	116.5	168.8	231.6	290.9	417.5	619.1	1839.3
	2000	143.6*	69.1*	137.0*	60.0	67.2	76.7	116.3	140.4	200.8	297.9	389.3	541.8	1591.1
All non-medical causes														
	1995	47.0*	30.8*	58.9*	38.4	46.7	62.0	62.3	66.4	65.7	71.1	75.4	89.5	122.1
	2000	38.3*	26.0*	45.5*	32.4	37.0	40.7	51.9	50.1	54.7	51.7	66.6	75.0	121.7

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

CENTRAL ASIA (8 countries): 2000

See note on page 127

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 62	– / 38	–
35–69	35 / 155	3.7 / 92	20 years
70+	9.7 / 95	3.7 / 152	8 years
All ages	44 / 312	7.4 / 282	17 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

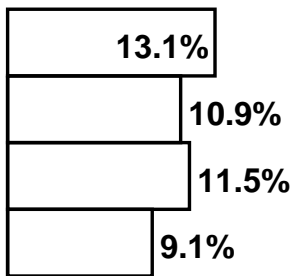
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.1	5.0/5.6	1.5/1.9	6.5/7.5	–/0.1	0.4/1.2	0.3/0.8	0.7/2.0
All Cancer	–/2.1	8.2/21 (39%)	2.4/8.6 (28%)	11/32	–/2.0	0.7/17 (4%)	0.5/9.2 (6%)	1.2/28
Vascular	–/4.3	16/75	4.0/67	20/146	–/2.5	1.8/48	1.8/117	3.6/167
Respiratory	–/13	4.9/10	2.9/7.6	7.8/31	–/11	0.7/5.2	1.1/8.1	1.8/24
All Other	–/42	5.3/48	0.5/12	5.7/103	–/23	0.5/22	0.3/18	0.8/63
All Causes	–/62	35/155 (22%)	9.7/95 (10%)	44/312	–/38	3.7/92 (4%)	3.7/152 (2%)	7.4/282

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	11 / 32 (33%)	1.2 / 28 (4%)	12 / 60 (20%)
All Causes	44 / 312 (14%)	7.4 / 282 (3%)	52 / 594 (9%)

1985-2000: CENTRAL ASIA (8 countries)

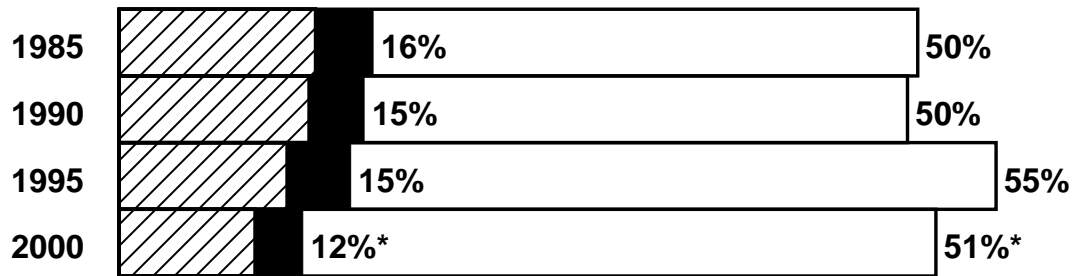
Population risk of dying at ages 0–34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE

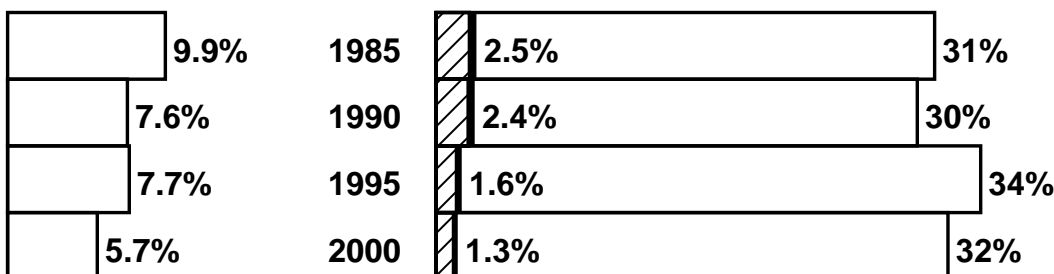


*At year 2000 male death rates, out of 100 men aged 35, 51 would die before age 70 (with 12 of these deaths attributed to smoking)

Note: These 8 Central Asian countries are those in which the mortality rates in recent years are thought to need correction for under-registration of deaths: Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan.

If the substantial decrease during the 1990s in the mortality attributed to cancer in these 8 countries is partly artefactual, then the corresponding decrease in the mortality attributed to smoking (pages 124–131) will not be reliable.

FEMALE



CENTRAL ASIA (8 countries): 1980-2000

See note on page 127

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/101	36/105 (34%)	11/83 (13%)	47/290	-/77	5.7/73 (8%)	4.2/125 (3%)	9.9/275
1990	-/90	40/126 (32%)	10/75 (13%)	50/291	-/62	6.2/80 (8%)	4.7/125 (4%)	11/268
1995	-/87	46/171 (27%)	8.1/84 (10%)	54/341	-/58	4.5/101 (4%)	3.0/147 (2%)	7.5/307
2000	-/62	35/155 (22%)	9.7/95 (10%)	44/312	-/38	3.7/92 (4%)	3.7/152 (2%)	7.4/282

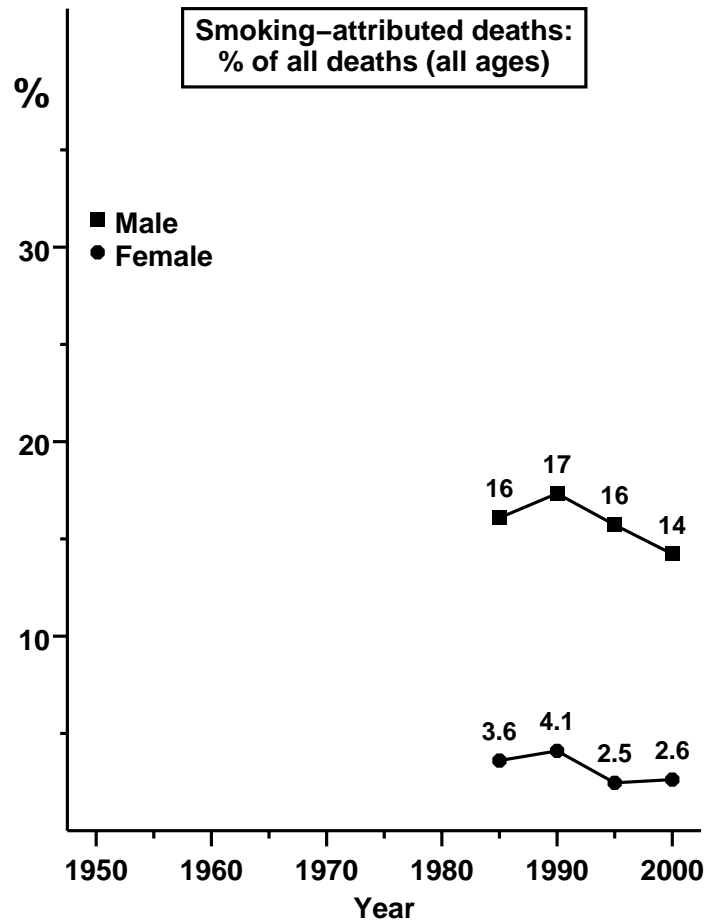
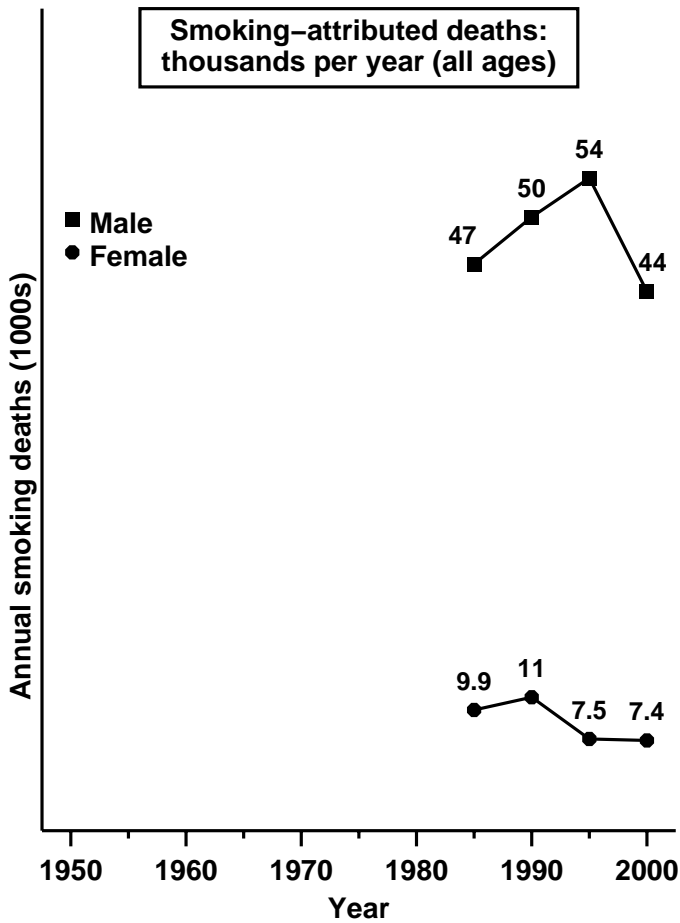
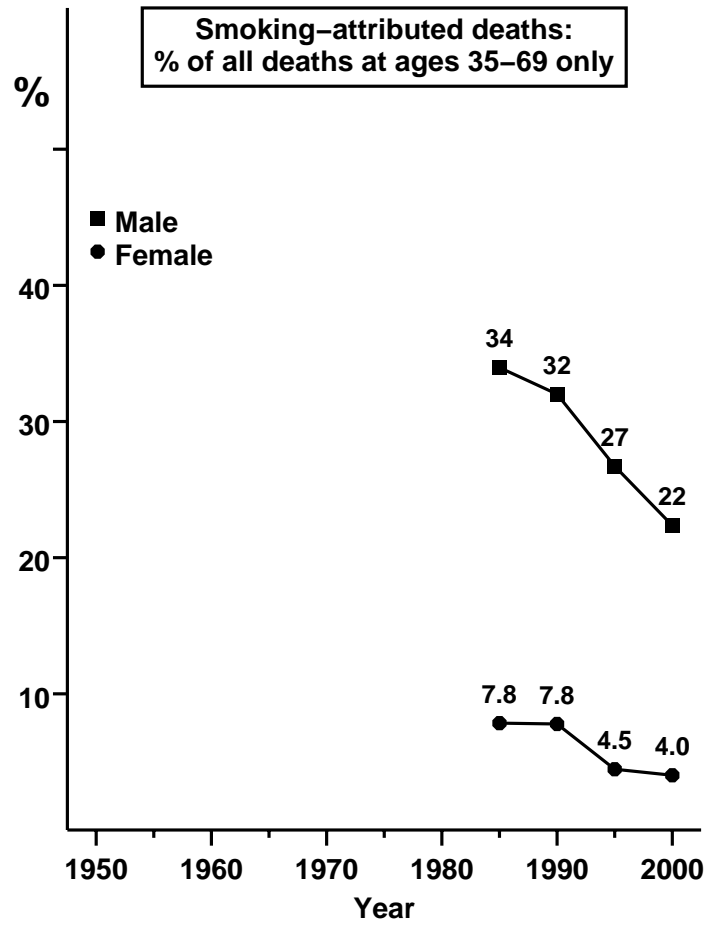
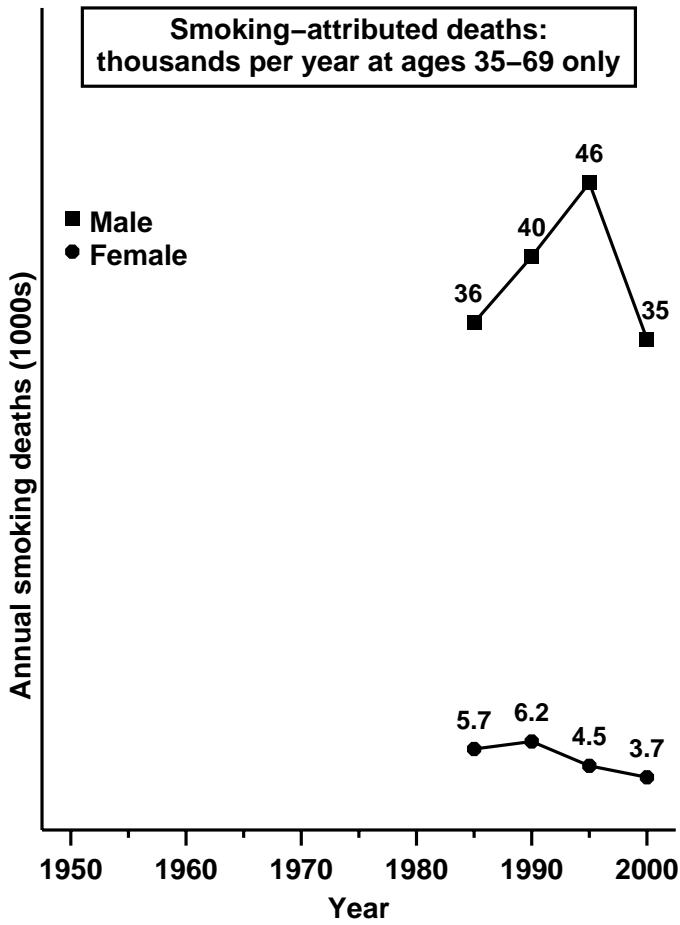
20-year total* (thousands), mid-1980 to mid-2000: 1178 / 12134

1980-2000 by age & sex:

-/1886	814/2761 (29%)	189/1667 (11%)	1003/6313	-/1355	102/1741 (6%)	72/2724 (3%)	175/5820
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*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

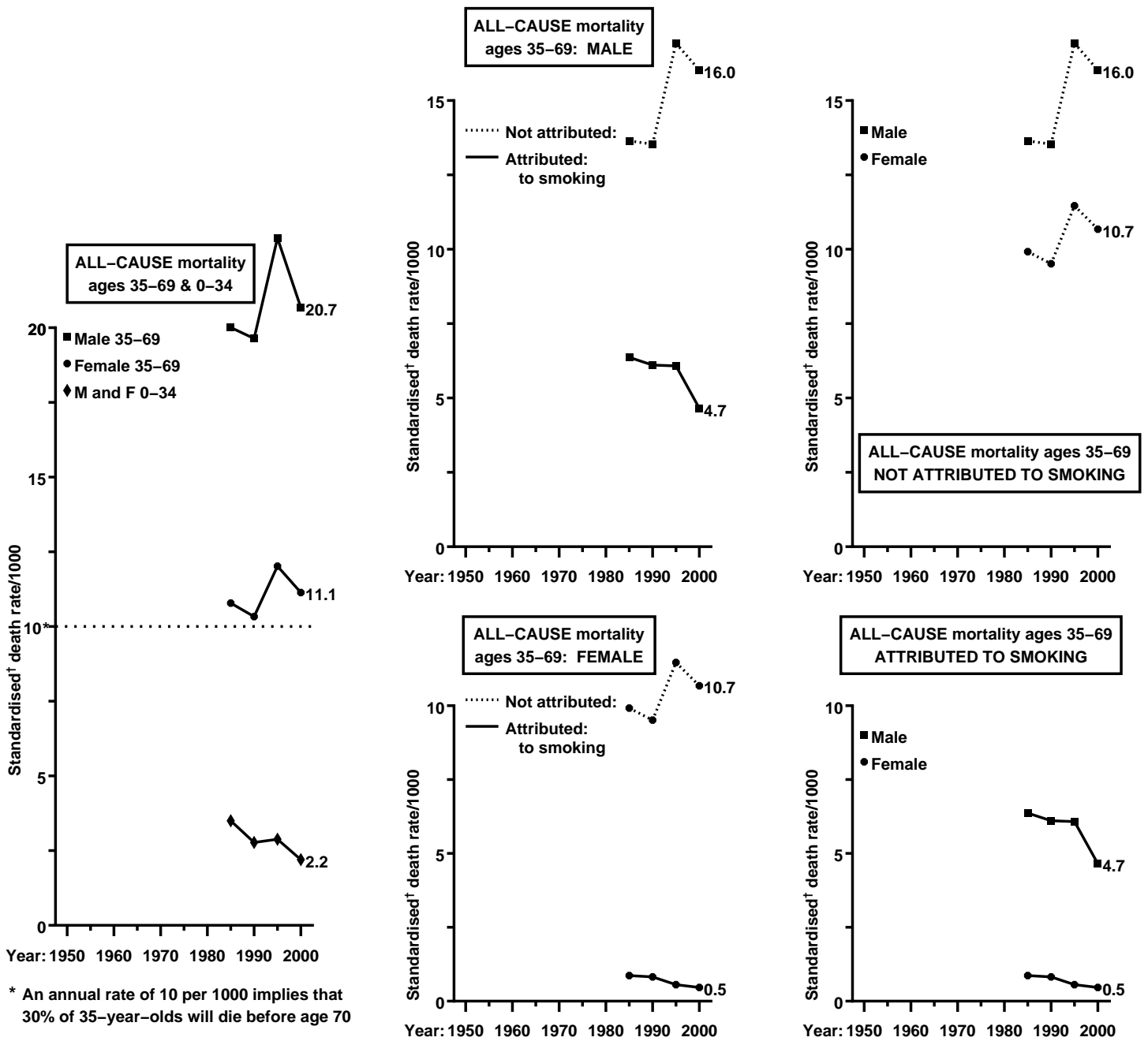
1985-2000: CENTRAL ASIA (8 countries)



CENTRAL ASIA (8 countries): 1985-2000

See note on page 127

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

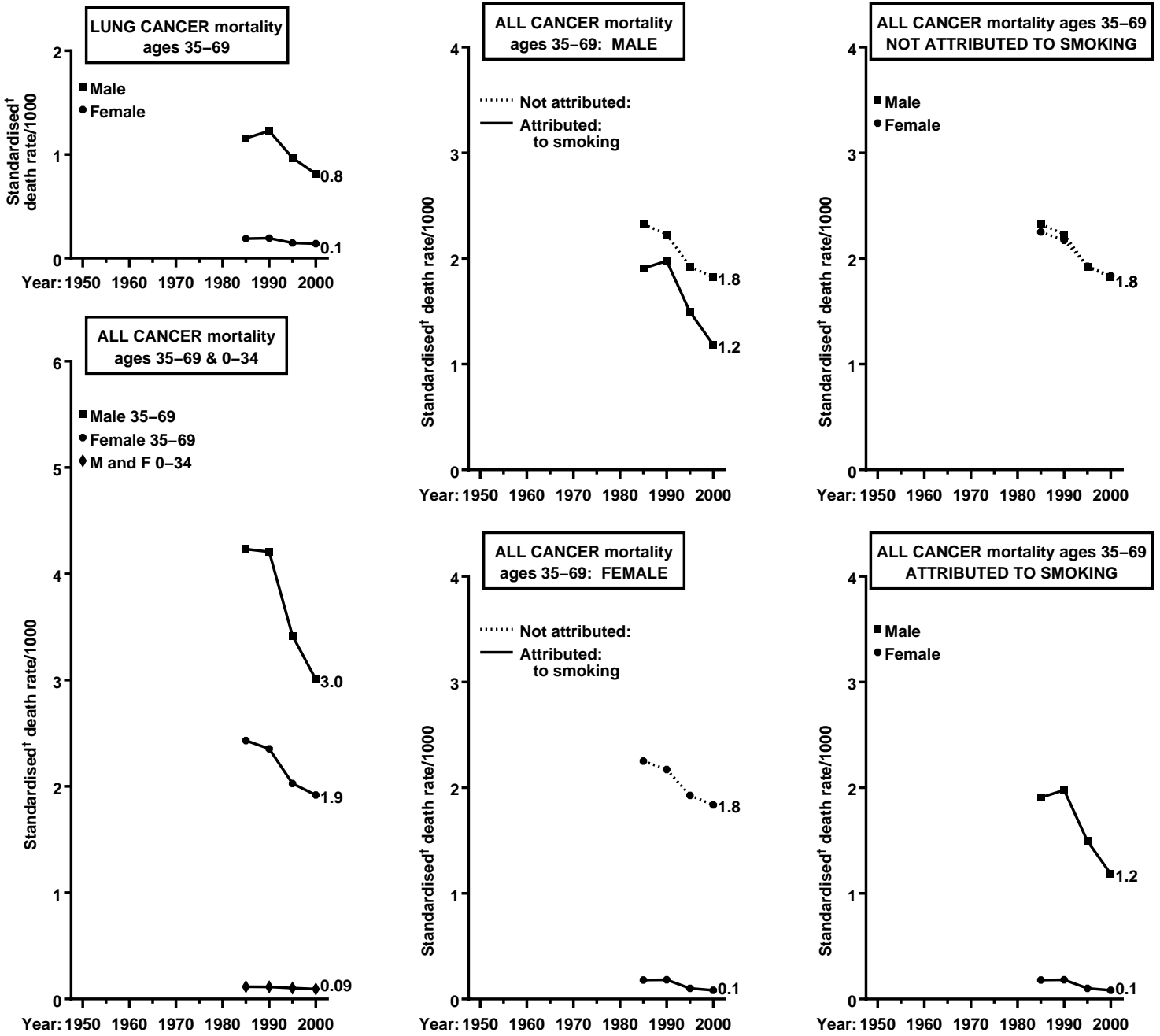


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965
1970
1975
1980
1985	-	4.00	6.36	13.6	13.6	73.9	-	2.99	0.86	9.92	2.58	56.2	-	2.28	0.56	11.5
1990	-	3.30	6.11	13.5	13.4	69.6	-	2.24	0.82	9.51	2.67	53.8	-	2.28	0.56	11.5
1995	-	3.48	6.08	16.9	10.5	81.0	-	2.28	0.56	11.5	1.68	61.8	-	2.28	0.56	11.5
2000	-	2.73	4.65	16.0	9.22	75.4	-	1.66	0.46	10.7	1.69	60.4	-	1.66	0.46	10.7

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: CENTRAL ASIA (8 countries)

Trends in ALL CANCER mortality attributed and not attributed to smoking



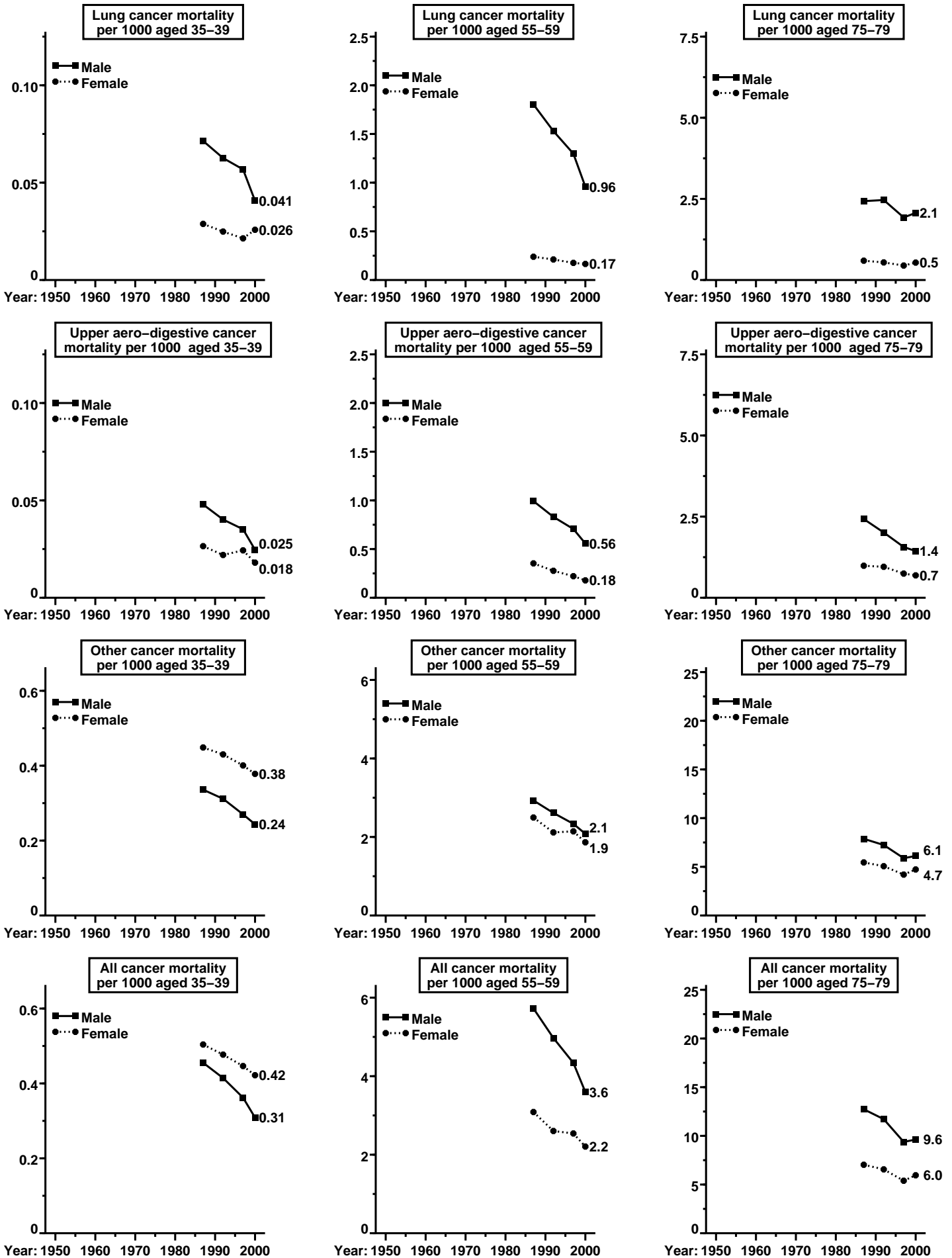
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
			Yes	No	Yes	No	Yes	No			Yes	No	Yes	No		
1950		
1955		
1960		
1965		
1970		
1975		
1980		
1985	-	0.12	1.91	2.33	3.62	8.59	-	0.11	0.18	2.25	0.44	6.11				
1990	-	0.12	1.98	2.23	4.10	8.31	-	0.11	0.18	2.17	0.53	6.25				
1995	-	0.10	1.49	1.92	2.68	6.73	-	0.10	0.10	1.93	0.30	4.91				
2000	-	0.09	1.18	1.82	2.56	6.56	-	0.09	0.08	1.84	0.31	5.11				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

CENTRAL ASIA (8 countries): 1985-2000

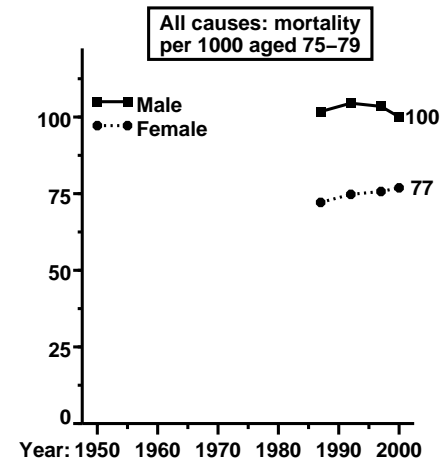
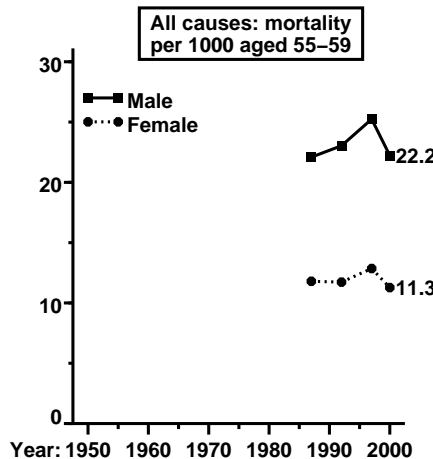
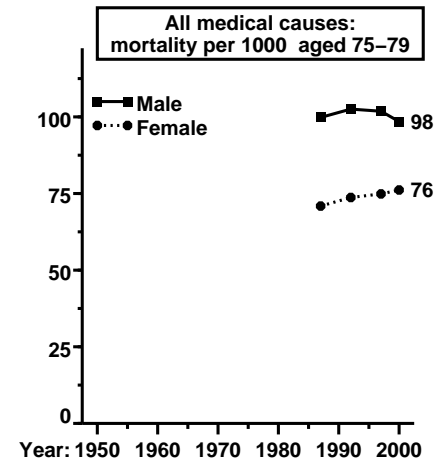
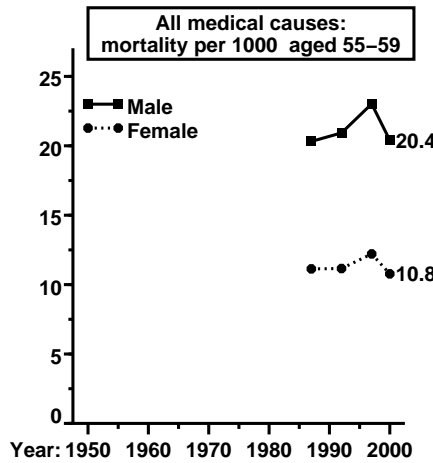
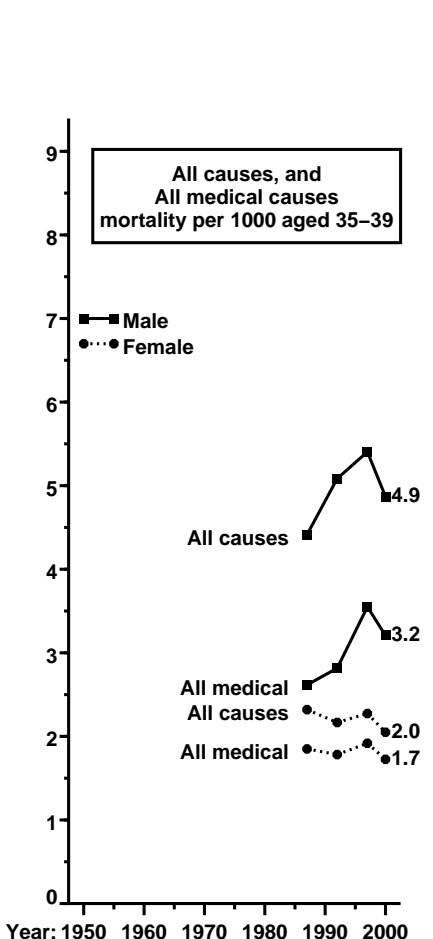
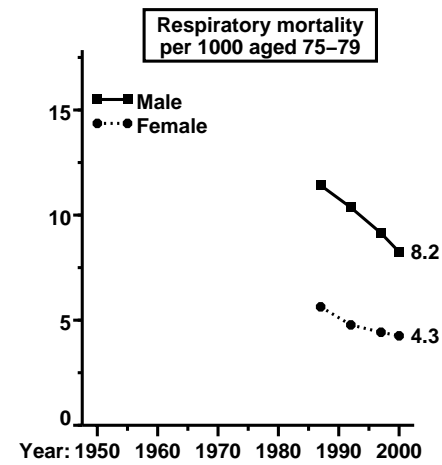
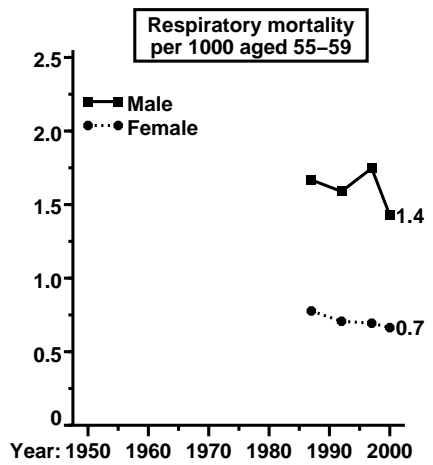
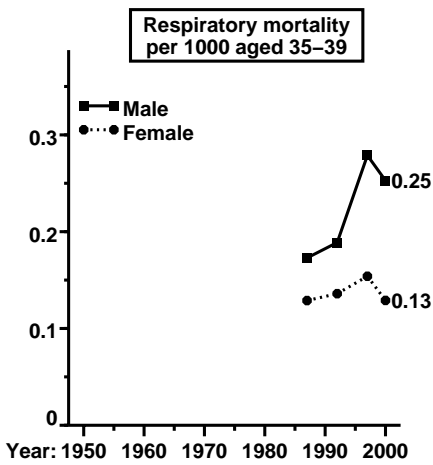
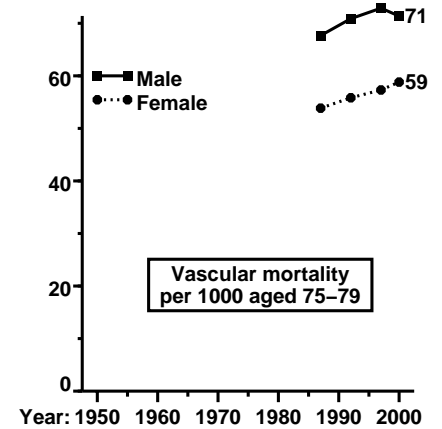
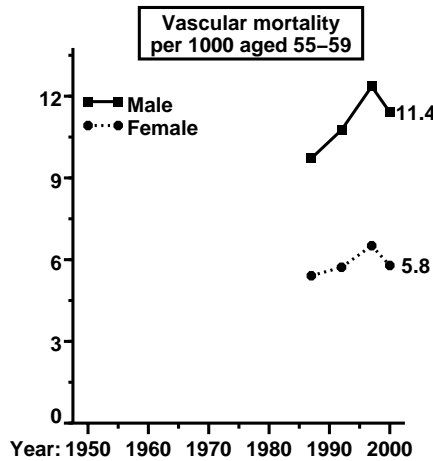
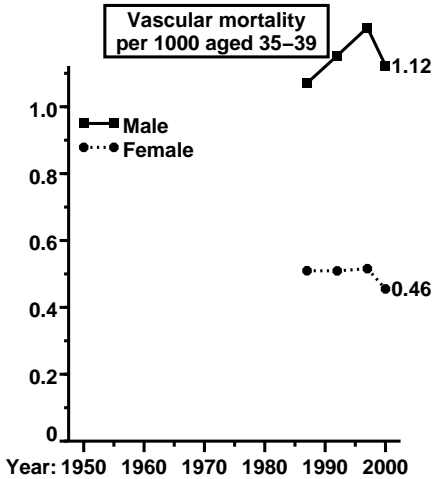
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1985–89,.....,1995–99; then year 2000 separately

1985-2000: CENTRAL ASIA (8 countries)

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; then year 2000 separately

CROATIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	25477	973	11817	1202.0	96.9	1365.2	166.9	24.8	26.5	81.6	118.1	122.7	137.8
	F	24769	422	5852	710.7	45.7	581.8	148.2	13.0	13.4	22.8	29.8	43.2	49.1
Tuberculosis	M	123	3	80	5.6	0.3	8.6	-	-	-	-	-	1.3	0.7
	F	46	2	16	1.4	0.2	1.5	-	-	-	-	-	0.7	0.7
HIV	M	8	-	7	0.3	-	0.7	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	161	11	90	7.7	1.2	10.1	4.9	0.8	1.4	-	-	-	1.3
	F	180	4	60	5.3	0.5	5.9	2.6	-	-	-	-	-	0.7
ALL CANCER	M	6832	76	3936	304.1	7.4	459.2	1.6	4.7	5.0	6.4	5.7	15.5	12.8
	F	4851	68	2137	149.0	6.9	212.7	5.1	4.9	3.7	4.0	4.0	9.6	16.8
Mouth and pharynx cancer	M	345	2	268	15.3	0.2	30.0	-	-	-	-	-	-	1.3
	F	45	1	25	1.5	0.1	2.4	-	-	-	0.7	-	-	-
Oesophagus cancer	M	177	-	130	7.9	-	15.0	-	-	-	-	-	-	-
	F	36	-	15	1.1	-	1.5	-	-	-	-	-	-	-
Stomach cancer	M	610	4	337	27.7	0.4	40.1	-	-	-	-	0.6	-	2.0
	F	359	3	126	10.4	0.3	12.5	-	-	-	-	-	0.7	1.3
Colorectal cancer	M	841	-	414	37.8	-	49.1	-	-	-	-	-	-	-
	F	668	1	250	19.7	0.1	25.0	-	-	-	-	-	-	0.7
Liver cancer	M	206	2	122	9.0	0.2	14.4	-	-	-	1.3	-	-	-
	F	165	1	66	4.7	0.1	6.5	-	-	-	-	-	0.7	-
Pancreas cancer	M	264	-	152	12.0	-	17.7	-	-	-	-	-	-	-
	F	249	1	90	7.1	0.1	9.1	-	-	-	-	-	-	0.7
Larynx cancer	M	257	-	174	11.0	-	20.3	-	-	-	-	-	-	-
	F	21	-	7	0.6	-	0.7	-	-	-	-	-	-	-
Lung cancer	M	2000	5	1322	85.8	0.5	154.3	-	-	-	-	-	0.7	2.7
	F	478	2	263	15.2	0.2	26.2	-	0.8	-	-	-	-	0.7
Malignant melanoma	M	91	6	58	4.0	0.6	6.5	-	-	-	0.6	0.6	2.7	-
	F	65	3	35	2.1	0.3	3.4	-	-	-	0.7	-	0.7	0.7
Female breast cancer	F	843	5	442	27.4	0.5	44.2	-	-	-	-	-	1.4	2.0
Cervix cancer	F	91	4	52	3.1	0.4	5.0	-	-	-	-	-	2.1	0.7
Other uterine cancer	F	248	2	112	7.4	0.2	11.2	-	-	-	-	-	-	1.3
Ovarian cancer	F	267	5	149	8.6	0.5	14.6	-	-	-	0.7	0.7	-	2.0
Prostate cancer	M	466	-	124	22.7	-	15.4	-	-	-	-	-	-	-
Bladder cancer	M	223	-	79	10.4	-	9.6	-	-	-	-	-	-	-
	F	90	-	17	2.5	-	1.7	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	975	37	571	43.5	3.6	65.2	0.8	3.9	3.6	3.2	2.6	7.4	4.0
	F	906	26	353	27.6	2.8	35.3	5.1	3.3	3.0	1.3	2.6	2.1	2.0
Hodgkin's disease	M	16	1	10	0.7	0.1	1.1	-	-	-	-	-	0.7	-
	F	4	3	1	0.2	0.3	0.1	-	-	-	-	-	0.7	1.3
Myeloma and non-Hodgkin lymphomas	M	191	7	106	8.5	0.7	12.5	0.8	-	0.7	-	0.6	2.0	0.7
	F	165	2	68	5.0	0.2	6.7	-	-	-	-	0.7	0.7	-
Leukaemia	M	170	12	69	7.6	1.2	7.9	-	0.8	0.7	1.3	1.3	2.0	2.0
	F	151	9	66	4.8	0.9	6.6	-	0.8	0.7	0.7	-	0.7	3.4
Diabetes	M	400	3	182	18.0	0.3	22.0	-	-	-	-	-	1.3	0.7
	F	505	1	149	13.8	0.1	14.9	-	-	-	-	-	0.7	-
ALL VASCULAR DISEASE	M	11758	58	4531	571.4	5.6	536.0	0.8	0.8	1.4	4.5	5.1	9.4	16.8
	F	14954	34	2383	408.8	3.4	237.8	2.6	-	0.7	2.0	3.3	8.2	6.7
Rheumatic heart disease and fever	M	70	3	31	3.1	0.3	3.6	-	-	-	1.3	0.6	-	-
	F	107	-	33	2.8	-	3.2	-	-	-	-	-	-	-
Hypertensive disease	M	316	1	115	15.5	0.1	14.0	-	-	-	-	-	0.7	-
	F	621	-	106	16.8	-	10.6	-	-	-	-	-	-	-
Ischaemic heart disease	M	4557	13	2003	217.6	1.2	235.4	-	-	-	-	0.6	2.7	5.4
	F	4784	5	774	131.4	0.5	77.5	-	-	-	-	0.7	2.1	0.7
Pulmonary embolism and other venous	M	270	7	130	12.4	0.7	15.1	-	-	-	-	-	1.3	3.4
	F	374	1	108	10.6	0.1	10.8	-	-	-	-	-	0.7	-
Cerebrovascular disease	M	3548	8	1294	170.2	0.8	154.8	-	0.8	-	0.6	1.3	0.7	2.0
	F	4835	8	861	131.1	0.8	85.8	-	-	-	-	0.7	1.4	3.4
Other vascular disease	M	2997	26	958	152.6	2.5	113.2	0.8	-	1.4	2.6	2.6	4.0	6.0
	F	4233	20	501	116.1	2.0	49.9	2.6	-	0.7	2.0	2.0	4.1	2.7
Chronic obstructive pulmonary disease	M	660	5	198	31.8	0.5	24.0	-	-	0.7	-	-	2.0	0.7
	F	363	1	61	9.8	0.1	6.0	-	-	-	-	0.7	-	-
Other respiratory disease	M	528	14	200	26.1	1.4	23.6	4.9	-	-	1.3	1.3	0.7	2.0
	F	492	6	77	13.8	0.7	7.7	3.4	-	-	-	-	-	1.3
Peptic ulcer	M	140	2	70	6.6	0.2	8.0	-	-	-	-	-	0.7	0.7
	F	92	1	16	2.6	0.1	1.7	-	-	-	-	-	-	0.7
Liver cirrhosis	M	990	10	758	43.3	1.0	84.7	-	-	0.7	0.6	0.6	1.3	3.4
	F	436	5	288	14.6	0.5	28.7	-	-	-	-	-	-	3.4
Renal disease	M	231	4	87	11.3	0.4	10.0	-	-	-	0.6	-	-	2.0
	F	251	2	67	7.0	0.2	6.7	-	-	-	-	-	0.7	0.7
Pregnancy, birth	F	3	2	1	0.1	0.2	0.1	-	-	-	-	-	0.7	0.7
Congenital and perinatal causes	M	165	158	4	10.5	18.3	0.4	122.1	3.9	-	0.6	0.6	0.7	-
	F	144	139	4	9.6	17.0	0.4	115.7	1.6	0.7	-	-	0.7	-
Ill-defined causes	M	339	15	96	18.9	1.6	10.8	6.5	-	-	0.6	0.6	1.3	2.0
	F	501	17	32	14.6	2.0	3.2	10.3	0.8	-	0.7	0.7	-	1.3
Other medical causes	M	1105	65	521	52.3	6.3	57.9	6.5	-	2.1	4.5	10.2	7.4	13.4
	F	1083	26	274	31.2	2.6	27.0	1.7	-	2.2	2.0	4.6	4.8	2.7
ALL NON-MEDICAL CAUSES	M	2037	549	1057	94.1	52.5	109.4	19.5	14.8	15.0	62.3	93.8	80.9	81.3
	F	868	114	287	29.0	11.4	27.7	6.9	5.7	6.0	14.1	16.6	17.1	13.4
Motor vehicle traffic accidents	M	203	83	94	9.2	7.9	9.4	1.6	3.1	1.4	12.9	18.5	8.1	9.4
	F	57	22	22	2.3	2.2	2.1	2.6	-	-	3.4	3.3	4.8	1.3
Fire	M	37	8	15	1.9	0.8	1.7	2.4	0.8	0.7	1.9	-	-	-
	F	27	2	7	0.8	0.2	0.7	-	-	-	0.7	0.7	-	-
Suicide	M	692	137	425	31.1	12.9	44.0	-	-	2.1	14.1	22.3	26.3	25.5
	F	234	21	133	8.2	2.0	12.9	-	-	-	2.0	4.0	5.5	2.7
Homicide	M	77	20	53	3.4	1.9	5.1	0.8	0.8	-	2.6	0.6	3.4	5.4
	F	36	9	23	1.5	0.9	2.2	0.9	-	0.7	1.3	-	2.1	1.3
POPULATION:			M=male		2139.6	1000.6	987.5	122.8	128.8	139.6	155.6	156.7	148.3	148.8
(1000s; UN, 2002 revision)			F=female		2306.4	967.9	1055.5	116.7	122.8	133.9	148.8	151.0	145.9	148.8

2000: CROATIA

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
205.3	338.3	617.2	884.4	1559.3	2258.4	3693.3	5395.3	8651.4	16030.3	M	ALL CAUSES	001-999/A00-Y89
76.3	142.6	238.5	340.0	631.1	938.4	1706.0	2974.5	5708.3	13728.4	F		
2.5	4.7	8.9	6.8	10.4	17.7	9.0	21.2	28.8	37.0	M	Tuberculosis	010-018, 137/
-	1.2	0.6	2.0	0.8	2.7	3.5	4.9	13.3	14.1	F		A15-A19, B90
0.6	1.2	1.2	0.7	-	-	0.9	1.2	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
1.9	7.1	4.1	7.5	16.0	16.1	18.0	23.7	36.1	87.5	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.6	3.6	1.8	3.3	5.9	9.6	16.6	23.8	50.8	58.0	F		
31.6	83.5	187.8	309.2	550.8	805.0	1246.4	1604.7	2110.6	2205.4	M	ALL CANCER	140-208/C00-C97
29.1	68.0	112.3	146.4	282.4	340.9	509.7	700.3	979.0	1282.9	F		
0.6	11.3	20.1	33.5	47.1	48.2	49.5	52.4	45.7	47.1	M	Mouth and pharynx cancer	140-149/C00-C14
-	0.6	2.4	3.3	1.7	4.1	4.9	0.8	5.5	18.4	F		
1.2	3.6	8.3	13.0	24.5	20.1	34.2	28.7	26.4	43.8	M	Oesophagus cancer	150/C15
-	0.6	0.6	0.7	1.7	2.7	4.2	4.9	4.4	15.6	F		
3.1	4.1	11.8	19.8	53.7	70.6	117.8	135.9	192.3	269.4	M	Stomach cancer	151/C16
2.5	3.6	3.0	5.3	13.4	28.7	31.2	59.9	78.5	121.6	F		
0.6	6.5	13.0	32.8	61.2	85.1	144.8	241.9	317.3	340.1	M	Colorectal cancer	153, 154/C18-C21
3.1	6.5	10.3	17.3	33.6	43.1	61.0	100.2	165.7	205.1	F		
-	3.0	4.7	9.6	16.0	22.5	45.0	44.9	72.1	53.9	M	Liver cancer	155.0/C22 excl C221
1.2	1.8	3.0	1.3	5.9	12.3	20.1	24.6	45.3	38.2	F		
1.2	4.1	4.7	11.6	23.5	39.3	39.6	61.1	64.9	121.2	M	Pancreas cancer	157/C25
-	0.6	3.0	4.7	11.8	12.3	31.2	37.8	72.9	65.1	F		
0.6	3.6	10.0	13.7	26.4	33.7	54.0	58.6	67.3	26.9	M	Larynx cancer	161/C32
-	0.6	-	-	0.8	-	3.5	4.1	6.6	4.2	F		
8.1	21.9	72.7	91.0	174.2	288.9	423.6	463.8	504.8	306.4	M	Lung cancer	162/C33, C34
0.6	6.5	15.1	24.0	33.6	39.0	64.5	74.7	67.4	86.3	F		
0.6	1.8	4.1	6.8	7.5	10.4	14.4	15.0	24.0	16.8	M	Malignant melanoma	172/C43
-	3.0	3.0	2.0	3.4	2.7	9.7	4.1	12.2	15.6	F		
6.2	18.9	28.4	36.6	75.6	62.3	81.1	108.4	144.8	188.1	F	Female breast cancer	174/C50
0.6	3.0	7.9	4.7	5.0	7.5	6.2	9.0	11.0	19.8	F	Cervix cancer	180/C53
0.6	2.4	3.6	6.0	11.8	25.3	28.4	35.3	48.6	66.5	F	Other uterine cancer	179, 182/C54, C55
1.2	6.5	10.9	13.3	15.1	22.6	32.6	40.2	37.6	42.4	F	Ovarian cancer	183/C56, C570-C574
-	1.8	-	1.4	9.4	24.1	71.0	119.7	281.3	434.3	M	Prostate cancer	185/C61
0.6	-	1.2	3.4	8.5	20.9	32.4	64.8	122.6	138.0	M	Bladder cancer	188/C67
-	0.6	0.6	-	2.5	3.4	4.9	10.7	27.6	49.5	F		
11.2	19.0	27.8	58.8	74.4	105.9	159.2	215.7	259.6	289.6	M	Other and ill-defined cancer sites	Rest of 140-199/rest of C00-C80, C97
8.7	8.9	14.5	17.3	48.7	55.4	93.6	137.9	185.6	270.2	F		
0.6	0.6	-	1.4	1.9	2.4	0.9	3.7	2.4	3.4	M	Hodgkin's disease	201/C81
-	-	-	-	-	0.7	-	-	-	-	F		
0.6	2.4	4.1	7.5	14.1	19.3	39.6	43.6	64.9	53.9	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/C82-C90, C96
3.1	1.8	4.2	5.3	8.4	8.9	15.3	28.7	37.6	36.8	F		
2.5	-	5.3	4.8	8.5	13.6	20.7	54.9	64.9	60.6	M	Leukaemia	204-208/C91-C95
1.2	2.4	1.8	4.7	9.2	9.6	17.3	18.9	27.6	39.6	F		
0.6	2.4	5.9	7.5	28.2	31.3	78.2	112.2	187.5	158.2	M	Diabetes	250/E10-E14
-	1.8	0.6	3.3	12.6	30.1	56.2	85.4	138.1	178.2	F		
39.1	82.3	166.0	298.2	592.3	900.5	1673.6	2668.3	4810.1	10195.3	M	ALL VASCULAR DISEASE	390-459/I00-I99
13.6	29.6	64.6	93.1	213.4	389.5	860.6	1696.2	3702.8	10070.7	F		
0.6	1.2	0.6	2.1	2.8	8.8	9.0	23.7	24.0	23.6	M	Rheumatic heart disease and fever	390-398/I00-I09
-	1.2	1.8	-	0.8	2.7	16.0	24.6	32.0	21.2	F		
1.2	-	1.2	7.5	22.6	26.5	38.7	76.1	137.0	276.1	M	Hypertensive disease	401-405/I10-I15
-	1.8	1.2	4.7	7.6	19.2	39.5	73.9	174.6	377.7	F		
17.4	39.1	82.7	156.0	275.0	379.6	697.8	1018.7	1709.1	3410.8	M	Ischaemic heart disease	410-414/I20-I25
6.8	5.9	18.7	30.6	76.5	131.4	272.5	505.7	1121.5	3357.9	F		
0.6	1.2	7.7	13.0	16.0	24.9	42.3	68.6	93.8	131.3	M	Pulmonary embolism and other venous	415.1, 451-453/I26, I80-I82
0.6	1.8	6.6	2.7	15.1	19.8	29.1	66.5	93.9	140.0	F		
6.8	21.9	38.4	62.9	168.5	274.5	510.8	900.2	1649.0	2821.5	M	Cerebrovascular disease	430-438/I60-I69
3.1	11.8	27.2	33.3	73.9	132.1	319.0	638.8	1374.6	2749.6	F		
12.4	19.0	35.4	56.8	107.3	186.2	375.0	581.0	1197.1	3532.0	M	Other vascular disease	Rest of 390-459/rest of I00-I99
3.1	7.1	9.1	22.0	39.5	84.2	184.5	386.7	906.1	3424.3	F		
-	-	3.5	8.9	15.1	49.8	90.8	184.5	329.3	579.1	M	Chronic obstructive pulmonary disease	490-496/J40-J47, J67
0.6	1.8	1.2	4.7	4.2	9.6	20.1	65.7	97.2	188.1	F		
1.2	3.6	6.5	15.7	24.5	43.3	70.1	107.2	194.7	494.9	M	Other respiratory disease	Rest of 460-519/rest of J00-J98
1.2	0.6	1.8	6.7	7.6	13.0	22.9	47.6	120.4	342.3	F		
1.2	1.2	5.3	6.2	10.4	14.4	17.1	33.7	36.1	87.5	M	Peptic ulcer	531-533/K25-K27
0.6	-	-	0.7	4.2	1.4	4.9	15.6	22.1	50.9	F		
11.2	30.8	56.1	83.4	111.1	145.3	154.7	150.9	158.7	117.8	M	Liver cirrhosis	571/K70, K74
5.0	5.3	15.1	27.9	37.0	53.4	56.9	57.5	53.0	35.4	F		
1.2	2.4	4.1	6.2	11.3	20.9	24.3	51.1	96.2	198.7	M	Renal disease	580-590/N00-N19
-	1.2	2.4	0.7	6.7	15.7	20.1	45.2	63.0	99.0	F		
-	-	0.6	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
1.2	0.6	-	0.7	-	-	-	2.5	2.4	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
-	-	-	1.3	-	-	1.4	-	-	1.4	F		
3.7	5.9	4.7	7.5	12.2	15.2	26.1	33.7	67.3	582.5	M	Ill-defined causes	780-799/R00-R99
0.6	0.6	-	4.7	1.7	3.4	11.1	20.5	53.0	536.1	F		
21.1	23.1	41.3	41.0	61.2	83.5	134.0	214.5	341.3	690.2	M	Other medical causes	Rest of 001-799/rest of A00-R99
7.4	11.2	13.3	18.6	26.9	31.5	79.8	138.8	276.2	514.9	F		
88.1	89.5	121.7	84.8	115.8	115.6	150.2	185.8	252.4	596.0	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
17.4	17.8	24.2	26.6	27.7	37.6	42.3	73.1	139.2	356.4	F		
7.4	12.4	10.6	8.9	9.4	9.6	7.2	18.7	4.8	30.3	M	Motor vehicle traffic accidents	E810-E819/part of V01-V99
1.2	3.6	1.8	2.0	1.7	2.1	2.1	3.3	6.6	4.2	F		
0.6	0.6	0.6	1.4	2.8	1.6	4.5	3.7	4.8	30.3	M	Fire	E890-E899/X00-X09
-	-	0.6	0.7	-	2.7	0.7	0.8	4.4	18.4	F		
37.2	36.1	50.2	29.4	47.1	45.7	62.1	66.1	86.5	138.0	M	Suicide	E950-E959/X60-X84
5.6	8.3	12.1	14.0	15.1	15.7	19.4	24.6	32.0	29.7	F		
3.7	9.5	8.3	1.4	4.7	6.4	1.8	2.5	2.4	3.4	M	Homicide	E960-E969/X85-X99, Y00-Y09
3.7	0.6	3.0	1.3	2.5	2.7	1.4	1.6	1.1	1.4	F		
161.2	168.8	169.3	146.2	106.2	124.6	111.2	80.2	41.6	29.7	M	POPULATION	
161.3	169.0	165.6	150.3	119.0	146.1	144.2	121.8	90.5	70.7	F	(1000s; UN, 2002 revision)	

CROATIA: 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
35-69	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
70+	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
Any age	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	973	76	5	2	69	5	14	58	10	261	549
35-69	Sm.	4271	2071	1249	410	412	163	69	1555	-	413	-
	Total	11817 (36%)	3936 (53%)	1322 (94%)	572 (72%)	2042 (20%)	198 (82%)	200 (35%)	4531 (34%)	758	1137 (36%)	1057
70+	Sm.	2476	1000	614	126	260	336	40	933	-	167	-
	Total	12687 (20%)	2820 (35%)	673 (91%)	205 (61%)	1942 (13%)	457 (74%)	314 (13%)	7169 (13%)	222	1274 (13%)	431
Any age	Sm.	6747	3071	1863	536	672	499	109	2488	-	580	-
	Total	25477 (26%)	6832 (45%)	2000 (93%)	779 (69%)	4053 (17%)	660 (76%)	528 (21%)	11758 (21%)	990	2672 (22%)	2037

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	2139.6	1000.6	987.5	161.2	168.8	169.3	146.2	106.2	124.6	111.2	80.2	41.6	29.7	
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	25477	973	11817	331	571	1045	1293	1656	2814	4107	4327	3599	4761	
Lung cancer														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	2000	5	1322	13	37	123	133	185	360	471	372	210	91	
ANNUAL DEATH RATE / 100,000														
All causes (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	1202.0*	96.9*	1365.2*	205.3	338.3	617.2	884.4	1559.3	2258.4	3693.3	5395.3	8651.4	16030.3	
All cancer														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	304.1*	7.4*	459.2*	31.6	83.5	187.8	309.2	550.8	805.0	1246.4	1604.7	2110.6	2205.4	
Lung cancer														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	85.8*	0.5*	154.3*	8.1	21.9	72.7	91.0	174.2	288.9	423.6	463.8	504.8	306.4	
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	34.3*	0.2*	65.3*	2.5	18.4	38.4	60.2	97.9	101.9	137.6	139.7	139.4	117.8	
Other cancer														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	184.1*	6.7*	239.6*	21.1	43.2	76.8	158.0	278.7	414.1	685.3	1001.2	1466.3	1781.1	
Chronic obstructive pulmonary disease (COPD)														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	31.8*	0.5*	24.0*	-	-	3.5	8.9	15.1	49.8	90.8	184.5	329.3	579.1	
Other respiratory disease														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	26.1*	1.4*	23.6*	1.2	3.6	6.5	15.7	24.5	43.3	70.1	107.2	194.7	494.9	
Vascular disease														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	571.4*	5.6*	536.0*	39.1	82.3	166.0	298.2	592.3	900.5	1673.6	2668.3	4810.1	10195.3	
Liver cirrhosis														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	43.3*	1.0*	84.7*	11.2	30.8	56.1	83.4	111.1	145.3	154.7	150.9	158.7	117.8	
Other medical causes														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	131.2*	28.6*	128.4*	34.1	48.6	75.6	84.1	149.7	199.0	307.6	493.8	795.7	1841.8	
All non-medical causes														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	94.1*	52.5*	109.4*	88.1	89.5	121.7	84.8	115.8	115.6	150.2	185.8	252.4	596.0	

2000: CROATIA

Female smoking-attributed deaths (Sm.) and total deaths (Total)

1995		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
		Sm.	Total	Sm.	Total	Sm.	Total	Sm.	Total	Sm.	Total	Sm.	Total
0-34	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
35-69	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
70+	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
Any age	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
2000	Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34	Total	422	68	2	1	65	1	6	34	5	194	114
35-69	Sm.	594	217	172	16	29	33	7	266	-	71	-
	Total	5852	2137	263	47	1827	61	77	2383	288	619	287
		(10%)	(10%)	(65%)	(34%)	(2%)	(54%)	(9%)	(11%)		(11%)	
70+	Sm.	666	152	116	13	23	116	11	330	-	57	-
	Total	18495	2646	213	54	2379	301	409	12537	143	1992	467
		(4%)	(6%)	(54%)	(24%)	(1%)	(39%)	(3%)	(3%)		(3%)	
Any age	Sm.	1260	369	288	29	52	149	18	596	-	128	-
	Total	24769	4851	478	102	4271	363	492	14954	436	2805	868
		(5%)	(8%)	(60%)	(28%)	(1%)	(41%)	(4%)	(4%)		(5%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	2306.4	967.9	1055.5	161.3	169.0	165.6	150.3	119.0	146.1	144.2	121.8	90.5	70.7
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	24769	422	5852	123	241	395	511	751	1371	2460	3623	5166	9706
Lung cancer													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	478	2	263	1	11	25	36	40	57	93	91	61	61
ANNUAL DEATH RATE / 100,000													
All causes													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	710.7*	45.7*	581.8*	76.3	142.6	238.5	340.0	631.1	938.4	1706.0	2974.5	5708.3	13728.4
All cancer													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	149.0*	6.9*	212.7*	29.1	68.0	112.3	146.4	282.4	340.9	509.7	700.3	979.0	1282.9
Lung cancer													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	15.2*	0.2*	26.2*	0.6	6.5	15.1	24.0	33.6	39.0	64.5	74.7	67.4	86.3
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	3.1*	0.1*	4.6*	-	1.8	3.0	4.0	4.2	6.8	12.5	9.9	16.6	38.2
Other cancer													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	130.6*	6.6*	181.9*	28.5	59.8	94.2	118.4	244.5	295.0	432.7	615.8	895.0	1158.4
Chronic obstructive pulmonary disease (COPD)													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	9.8*	0.1*	6.0*	0.6	1.8	1.2	4.7	4.2	9.6	20.1	65.7	97.2	188.1
Other respiratory disease													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	13.8*	0.7*	7.7*	1.2	0.6	1.8	6.7	7.6	13.0	22.9	47.6	120.4	342.3
Vascular disease													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	408.8*	3.4*	237.8*	13.6	29.6	64.6	93.1	213.4	389.5	860.6	1696.2	3702.8	10070.7
Liver cirrhosis													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	14.6*	0.5*	28.7*	5.0	5.3	15.1	27.9	37.0	53.4	56.9	57.5	53.0	35.4
Other medical causes													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	85.6*	22.8*	61.4*	9.3	19.5	19.3	34.6	58.8	94.5	193.5	334.2	616.6	1452.6
All non-medical causes													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	29.0*	11.4*	27.7*	17.4	17.8	24.2	26.6	27.7	37.6	42.3	73.1	139.2	356.4

CROATIA: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.0	– / 0.4	–
35–69	4.3 / 12	0.6 / 5.9	20 years
70+	2.5 / 13	0.7 / 18	9 years
All ages	6.7 / 25	1.3 / 25	16 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

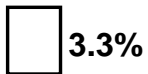
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	1.2/1.3	0.6/0.7	1.9/2.0	–/0.0	0.2/0.3	0.1/0.2	0.3/0.5
All Cancer	–/0.1	2.1/3.9 (53%)	1.0/2.8 (35%)	3.1/6.8	–/0.1	0.2/2.1 (10%)	0.2/2.6 (6%)	0.4/4.9
Vascular	–/0.1	1.6/4.5	0.9/7.2	2.5/12	–/0.0	0.3/2.4	0.3/13	0.6/15
Respiratory	–/0.0	0.2/0.4	0.4/0.8	0.6/1.2	–/0.0	0.0/0.1	0.1/0.7	0.2/0.9
All Other	–/0.8	0.4/3.0	0.2/1.9	0.6/5.7	–/0.3	0.1/1.2	0.1/2.6	0.1/4.1
All Causes	–/1.0	4.3/12 (36%)	2.5/13 (20%)	6.7/25	–/0.4	0.6/5.9 (10%)	0.7/18 (4%)	1.3/25

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	3.1 / 6.8 (45%)	0.4 / 4.9 (8%)	3.4 / 12 (29%)
All Causes	6.7 / 25 (26%)	1.3 / 25 (5%)	8.0 / 50 (16%)

2000: CROATIA

Population risk of dying at ages 0–34

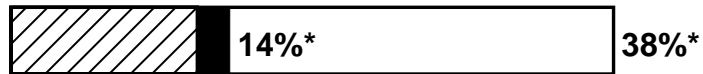


Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE

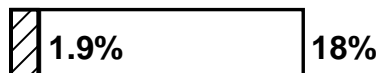
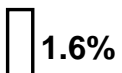
2000



*At year 2000 male death rates, out of 100 men aged 35, 38 would die before age 70 (with 14 of these deaths attributed to smoking)

FEMALE

2000



CZECH REPUBLIC: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	54882	1971	23232	1162.6	79.4	1282.2	117.2	20.9	22.0	68.6	101.9	100.5	124.9
	F	54119	830	11544	706.2	37.8	564.9	91.3	13.3	17.4	31.3	34.0	32.7	44.6
Tuberculosis	M	91	1	59	1.9	0.0	2.8	-	-	-	-	-	-	0.3
	F	34	1	8	0.4	0.0	0.4	-	-	-	-	-	0.2	-
HIV	M	1	1	-	0.0	0.0	-	-	-	-	-	-	-	0.3
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	58	7	26	1.2	0.3	1.3	1.3	-	-	0.3	0.2	0.2	0.3
	F	84	6	27	1.2	0.3	1.3	0.9	-	0.6	0.3	0.2	-	-
ALL CANCER	M	15878	185	8308	325.7	7.3	468.1	4.8	5.0	3.9	5.9	5.4	10.7	15.8
	F	12661	145	5202	178.7	6.1	249.8	5.9	2.4	5.4	3.5	5.9	7.5	11.9
Mouth and pharynx cancer	M	477	2	389	9.4	0.1	18.9	-	-	-	-	0.2	0.2	-
	F	113	-	55	1.6	-	2.6	-	-	-	-	-	-	-
Oesophagus cancer	M	343	2	244	6.8	0.1	12.3	-	-	-	-	-	0.2	0.3
	F	64	-	27	0.9	-	1.2	-	-	-	-	-	-	-
Stomach cancer	M	905	10	412	18.7	0.4	23.5	-	-	-	-	-	0.9	1.7
	F	660	7	216	9.0	0.3	10.4	-	-	-	-	0.2	-	1.8
Colorectal cancer	M	2517	9	1171	52.2	0.4	68.1	-	-	-	0.3	-	0.2	2.0
	F	1885	4	640	25.6	0.2	31.4	-	-	-	-	-	0.5	0.6
Liver cancer	M	525	2	296	10.8	0.1	16.7	0.4	-	-	-	0.2	-	-
	F	350	1	112	4.7	0.0	5.6	-	-	-	-	-	0.2	-
Pancreas cancer	M	777	4	445	15.7	0.2	24.9	-	-	-	-	0.2	-	0.9
	F	789	-	276	10.7	-	13.7	-	-	-	-	-	-	-
Larynx cancer	M	254	-	182	5.1	-	9.8	-	-	-	-	-	-	-
	F	23	-	9	0.3	-	0.4	-	-	-	-	-	-	-
Lung cancer	M	4480	6	2772	90.2	0.2	157.1	-	-	0.3	-	-	0.5	0.9
	F	1246	3	632	18.2	0.1	30.6	-	-	-	-	-	-	0.9
Malignant melanoma	M	171	4	100	3.5	0.1	5.3	-	-	-	-	0.2	0.5	0.3
	F	144	2	69	2.1	0.1	3.1	-	-	-	-	0.5	-	-
Female breast cancer	F	1939	5	929	28.0	0.2	43.3	-	-	-	-	-	-	1.5
Cervix cancer	F	363	10	235	5.8	0.4	10.5	-	-	-	-	-	1.2	1.5
Other uterine cancer	F	581	2	226	8.0	0.1	11.1	-	-	-	-	-	0.2	0.3
Ovarian cancer	F	729	7	381	10.8	0.3	17.9	-	-	-	0.3	0.2	0.2	1.2
Prostate cancer	M	1327	-	287	29.0	-	18.7	-	-	-	-	-	-	-
Bladder cancer	M	541	-	195	11.4	-	12.0	-	-	-	-	-	-	-
	F	207	-	54	2.7	-	2.6	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	2548	106	1334	52.1	4.3	73.5	3.5	3.6	2.1	3.7	2.9	6.0	8.0
	F	2665	59	1004	37.3	2.5	48.8	2.3	1.4	3.8	1.5	2.8	2.9	2.7
Hodgkin's disease	M	53	11	27	1.0	0.4	1.4	-	-	-	0.6	0.7	0.7	0.9
	F	48	8	21	0.8	0.3	1.0	0.5	-	0.3	-	0.5	0.2	0.9
Myeloma and non-Hodgkin lymphomas	M	455	7	229	9.3	0.2	13.2	-	-	0.3	-	0.2	0.9	0.3
	F	444	10	166	6.2	0.4	8.2	0.5	0.3	-	0.6	0.7	0.7	-
Leukaemia	M	505	22	225	10.5	0.9	12.8	0.9	1.3	1.2	1.4	0.7	0.5	0.6
	F	411	27	150	6.0	1.2	7.4	2.7	0.7	1.3	1.2	0.9	1.2	0.6
Diabetes	M	601	5	235	12.5	0.2	13.6	-	-	-	-	0.2	0.2	0.9
	F	813	4	160	10.2	0.2	8.2	-	-	-	-	0.2	0.2	0.6
ALL VASCULAR DISEASE	M	26468	107	8751	577.2	4.0	506.9	1.3	-	1.5	2.3	4.5	7.0	11.7
	F	31724	51	3817	391.1	2.0	196.7	0.9	0.3	0.3	1.2	2.1	4.4	4.8
Rheumatic heart disease and fever	M	128	4	72	2.5	0.1	4.0	-	-	-	-	-	0.5	0.6
	F	185	1	61	2.5	0.0	3.0	-	-	-	-	-	0.2	-
Hypertensive disease	M	563	1	242	11.9	0.0	14.4	-	-	-	-	-	-	0.3
	F	649	-	138	8.2	-	7.1	-	-	-	-	-	-	-
Ischaemic heart disease	M	12034	18	4739	256.2	0.7	272.3	-	-	-	-	0.4	1.2	3.2
	F	11350	6	1644	140.7	0.2	85.5	-	-	-	-	0.5	0.5	0.6
Pulmonary embolism and other venous	M	818	14	363	17.2	0.5	20.7	-	-	-	-	0.4	0.7	2.6
	F	1185	10	265	15.3	0.4	13.2	-	-	-	0.3	-	1.0	1.5
Cerebrovascular disease	M	6991	22	1653	156.7	0.8	99.7	0.4	-	0.3	0.6	1.1	1.9	1.4
	F	10352	13	992	126.1	0.5	51.4	0.5	-	-	-	0.7	1.0	1.5
Other vascular disease	M	5934	48	1682	132.7	1.8	95.9	0.9	-	1.2	1.7	2.5	2.8	3.7
	F	8003	21	717	98.2	0.8	36.6	0.5	0.3	0.3	0.9	0.9	1.7	1.2
Chronic obstructive pulmonary disease	M	1174	8	437	24.8	0.3	26.2	-	-	-	0.6	0.2	0.2	1.1
	F	702	4	166	9.1	0.2	8.4	-	-	0.3	-	-	0.2	0.6
Other respiratory disease	M	1463	49	510	32.2	2.1	27.3	5.6	1.0	0.6	1.7	2.0	2.1	2.0
	F	1620	30	258	20.8	1.4	12.6	3.6	0.3	0.6	0.6	1.4	1.0	2.1
Peptic ulcer	M	307	4	157	6.3	0.2	8.2	-	-	-	0.3	0.2	-	0.6
	F	301	1	66	3.9	0.0	3.2	-	-	-	-	0.2	-	-
Liver cirrhosis	M	1223	23	1019	23.9	0.9	48.8	0.4	-	-	-	-	0.9	5.2
	F	523	7	374	8.5	0.3	16.8	-	-	-	-	-	0.2	1.8
Renal disease	M	529	2	204	11.4	0.1	11.5	0.4	-	-	-	-	-	0.3
	F	744	8	180	9.6	0.3	8.9	-	-	-	-	0.2	0.5	0.6
Pregnancy, birth	F	5	5	-	0.1	0.2	-	-	-	-	0.3	0.2	0.5	0.3
Congenital and perinatal causes	M	182	179	3	6.1	10.9	0.1	73.5	1.0	0.9	0.6	-	-	0.3
	F	149	148	1	5.2	9.4	0.0	61.3	2.1	0.6	1.2	0.2	-	-
Ill-defined causes	M	286	21	137	6.2	0.9	7.0	3.0	-	-	0.8	1.1	0.7	0.9
	F	287	7	42	3.8	0.4	2.0	1.8	-	-	-	0.2	-	0.6
Other medical causes	M	1927	142	919	40.1	5.9	47.2	10.4	2.3	3.9	4.8	6.1	6.5	7.4
	F	2096	100	573	28.9	4.4	27.0	6.8	4.2	1.6	5.3	3.7	4.1	5.1
ALL NON-MEDICAL CAUSES	M	4694	1237	2467	93.0	46.0	113.2	16.4	11.6	11.2	51.4	81.9	71.9	77.9
	F	2376	313	670	34.8	12.7	29.6	10.0	3.8	7.9	18.0	19.2	13.8	16.4
Motor vehicle traffic accidents	M	442	199	198	8.3	7.2	9.0	-	2.6	2.7	10.7	15.7	10.0	8.9
	F	166	62	70	3.0	2.6	3.0	3.2	0.7	2.2	3.8	5.4	1.9	0.6
Fire	M	47	6	29	1.0	0.3	1.3	0.4	0.3	-	-	0.2	0.2	0.6
	F	17	1	3	0.2	0.0	0.1	-	-	-	-	0.2	-	-
Suicide	M	1298	321	769	24.9	11.5	34.6	-	-	2.4	9.0	24.1	20.7	24.3
	F	351	55	193	5.8	2.1	8.3	-	-	1.3	3.0	3.5	2.7	4.5
Homicide	M	104	35	64	2.1	1.4	2.6	2.6	-	-	0.8	1.1	1.9	3.7
	F	50	16	29	1.0	0.7	1.3	0.9	-	0.6	1.2	0.5	0.5	1.2
POPULATION:														
(1000s; UN, 2002 revision)			M=male		4997.1	2442.6	2202.9	231.3	302.1	331.2	354.2	444.6	430.0	349.2
			F=female		5272.2	2336.8	2317.5	220.2	286.4	316.1	338.3	426.7	413.0	336.1

2000: CZECH REPUBLIC

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
178.2	326.9	557.4	909.1	1401.8	2207.4	3394.5	5091.0	7931.3	17143.7	M	ALL CAUSES	001-999/A00-Y89
73.1	137.4	246.6	384.5	588.4	916.8	1607.7	2796.7	5117.2	14809.9	F		
0.3	0.9	2.8	3.8	3.6	6.0	2.5	7.3	6.9	15.6	M	Tuberculosis	010-018, 137/ A15-A19, B90
-	0.3	0.5	0.5	-	0.8	0.4	2.4	3.8	6.7	F		
-	-	-	-	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
-	0.3	0.8	2.3	1.7	1.9	2.0	3.6	6.9	15.6	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
-	0.3	0.5	1.7	1.5	1.6	3.2	4.5	11.0	10.4	F		
23.8	69.6	163.8	327.9	548.9	873.5	1269.4	1648.3	2173.5	3039.8	M	ALL CANCER	140-208/C00-C97
31.7	61.3	119.8	202.3	301.7	422.6	609.3	837.5	1159.1	1735.1	F		
0.9	9.4	14.8	24.3	28.1	28.4	26.4	25.5	18.9	31.3	M	Mouth and pharynx cancer	140-149/C00-C14
-	1.4	2.0	2.0	2.1	3.6	7.1	4.5	10.0	15.9	F		
1.2	2.9	9.5	13.7	17.5	17.2	24.4	30.9	23.2	27.0	M	Oesophagus cancer	150/C15
0.3	0.6	0.7	1.2	2.1	2.8	0.8	2.9	7.1	9.2	F		
2.3	5.1	8.0	15.4	22.2	39.1	72.2	91.6	153.8	217.6	M	Stomach cancer	151/C16
1.8	3.8	5.5	7.8	9.8	14.8	29.4	45.7	60.0	122.0	F		
2.3	8.0	18.8	39.3	75.1	125.6	207.4	272.9	402.1	596.0	M	Colorectal cancer	153, 154/C18-C21
2.7	6.4	10.5	22.3	37.6	59.6	80.9	120.5	188.7	337.2	F		
0.3	1.1	4.8	12.7	21.2	36.3	40.7	52.8	64.4	92.5	M	Liver cancer	155.0/C22 excl C221
0.9	0.6	2.0	3.7	5.8	12.0	13.9	29.4	34.8	56.4	F		
1.2	3.4	9.5	17.5	30.1	53.0	59.5	82.5	101.4	105.3	M	Pancreas cancer	157/C25
0.3	1.7	4.5	10.1	15.0	26.0	38.1	60.8	85.3	113.4	F		
0.6	1.7	5.3	8.6	12.6	16.7	22.9	23.0	18.0	18.5	M	Larynx cancer	161/C32
-	-	0.2	-	1.2	-	1.6	2.4	1.0	3.7	F		
2.6	14.0	48.5	109.4	200.7	307.9	416.9	470.6	508.6	475.1	M	Lung cancer	162/C33, C34
3.0	3.8	14.4	24.0	37.6	57.2	74.2	92.7	101.0	105.5	F		
1.2	1.1	2.5	5.3	6.3	8.4	12.2	17.6	15.5	28.4	M	Malignant melanoma	172/C43
0.6	0.9	2.0	4.9	3.1	5.2	5.2	10.6	10.0	15.9	F		
4.8	11.0	27.2	42.4	60.9	66.0	90.8	105.8	164.4	245.9	F	Female breast cancer	174/C50
6.6	6.7	8.0	11.3	12.2	12.4	16.3	18.0	18.6	21.5	F	Cervix cancer	180/C53
0.9	2.6	3.7	7.1	13.2	16.4	34.1	46.1	61.9	67.4	F	Other uterine cancer	179, 182/C54, C55
1.2	4.1	11.0	16.9	25.1	30.4	36.5	49.0	58.1	60.7	F	Ovarian cancer	183/C56, C570-C574
-	0.9	1.0	4.1	11.2	34.0	79.8	163.7	289.5	615.9	M	Prostate cancer	185/C61
0.3	0.6	1.8	5.3	8.6	26.0	41.7	54.0	118.6	169.3	M	Bladder cancer	188/C67
0.3	0.3	1.2	1.5	4.0	4.4	6.7	14.7	24.3	40.5	F		
5.2	16.0	29.4	57.7	86.6	135.3	184.0	242.0	330.8	460.9	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
5.1	13.3	20.4	37.0	54.5	83.2	127.7	176.0	243.9	404.0	F		
0.3	1.1	0.8	1.0	2.3	0.5	3.6	3.0	6.9	2.8	M	Hodgkin's disease	201/C81
0.3	0.6	0.5	1.0	0.3	1.2	3.2	2.0	3.3	4.3	F		
2.9	1.4	4.3	7.1	12.6	25.6	38.6	53.4	61.9	83.9	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.6	2.0	2.7	5.4	9.8	14.4	22.2	33.9	49.5	49.7	F		
2.6	2.9	4.8	6.6	13.9	19.5	39.1	64.9	60.1	115.2	M	Leukaemia	204-208/C91-C95
2.4	1.7	3.2	3.7	7.3	12.8	20.6	22.5	37.2	61.9	F		
0.6	2.0	4.5	7.3	14.6	27.9	38.1	75.8	107.4	157.9	M	Diabetes	250/E10-E14
-	0.9	1.5	2.9	10.1	13.6	28.6	63.3	102.0	171.7	F		
30.1	75.9	158.5	296.3	509.9	900.0	1577.5	2650.1	4491.4	11396.9	M	ALL VASCULAR DISEASE	390-459/I00-I99
7.8	20.5	50.6	83.6	162.2	328.1	724.3	1499.8	3126.7	10803.2	F		
0.9	0.9	1.3	3.8	3.3	4.7	13.2	13.3	16.3	15.6	M	Rheumatic heart disease and fever	390-398/I00-I09
-	0.9	1.0	1.7	3.4	4.4	9.9	16.7	19.5	25.1	F		
0.6	1.4	3.0	9.6	10.3	26.0	49.3	60.0	87.6	169.3	M	Hypertensive disease	401-405/I10-I15
0.6	0.9	3.2	3.2	3.4	9.6	28.6	38.8	68.6	166.8	F		
12.2	43.4	89.4	166.4	287.0	503.7	803.8	1279.6	1975.1	4079.7	M	Ischaemic heart disease	410-414/I20-I25
1.5	5.8	17.9	33.1	71.9	147.7	320.5	624.7	1210.6	3451.3	F		
2.3	5.1	7.3	12.4	19.2	39.1	59.5	81.9	124.6	229.0	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.5	2.3	5.7	5.1	17.4	22.4	37.7	79.6	124.8	277.7	F		
4.9	8.0	20.1	45.6	93.6	169.8	355.9	682.8	1314.4	3783.8	M	Cerebrovascular disease	430-438/I60-I69
1.5	5.5	12.7	22.3	35.2	81.2	201.5	448.3	1037.6	3722.3	F		
9.3	17.1	37.2	58.5	96.6	156.7	295.9	532.4	973.4	3119.5	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
2.7	5.2	10.0	18.1	30.9	62.8	126.1	291.5	665.6	3160.0	F		
1.2	2.3	5.0	13.2	24.5	50.2	86.9	129.8	219.1	369.8	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.3	0.3	2.7	5.1	7.3	12.8	30.1	39.6	72.9	172.9	F		
4.3	8.6	14.3	19.0	37.4	43.7	64.1	117.6	221.6	643.0	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.1	4.6	6.2	8.6	10.1	18.0	38.5	59.6	136.7	551.2	F		
0.3	3.1	4.8	8.9	9.3	13.5	17.3	27.9	41.2	74.0	M	Peptic ulcer	531-533/K25-K27
0.3	0.6	1.5	3.4	2.1	4.0	10.3	13.5	31.4	82.8	F		
7.8	22.2	43.2	62.5	73.1	67.4	65.6	60.0	43.8	44.1	M	Liver cirrhosis	571/K70, K74
4.8	7.5	13.2	18.9	24.8	23.2	25.0	20.0	21.4	29.4	F		
1.2	3.4	3.8	7.9	11.9	17.2	35.1	44.9	90.2	204.8	M	Renal disease	580-590/N00-N19
0.9	1.2	3.7	6.1	8.6	11.6	30.1	41.2	87.2	166.8	F		
-	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
0.3	-	-	0.5	-	-	-	-	-	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
-	-	0.2	-	-	-	-	-	-	-	F		
2.0	3.1	4.8	5.6	10.9	6.5	15.8	18.2	26.6	95.3	M	Ill-defined causes	780-799/R00-R99
1.2	0.3	1.2	1.5	1.5	5.2	3.2	11.4	16.7	107.3	F		
11.6	22.2	31.4	43.3	51.6	77.7	92.5	145.5	252.6	472.3	M	Other medical causes	Rest of 001-799/ rest of A00-R99
6.0	10.4	19.4	20.6	28.5	43.2	61.1	123.7	187.7	445.1	F		
94.7	113.2	119.8	110.7	104.5	121.9	127.6	161.9	250.0	614.5	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
18.0	29.2	25.4	29.2	30.0	32.0	43.6	80.0	160.6	527.3	F		
9.3	10.0	9.8	8.1	6.6	11.6	7.6	9.1	17.2	14.2	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
2.7	1.7	3.2	3.7	2.8	4.4	2.8	5.7	5.7	4.9	F		
1.2	2.3	1.3	0.3	2.6	0.9	0.5	1.8	4.3	5.7	M	Fire	E890-E899/X00-X09
-	-	0.2	0.2	-	0.4	-	1.2	1.4	4.3	F		
32.2	41.4	40.9	32.2	28.4	27.9	39.1	43.1	63.6	89.6	M	Suicide	E950-E959/X60-X84
4.8	9.0	10.0	8.1	9.5	9.2	7.5	16.3	12.4	22.7	F		
4.1	3.4	5.0	1.8	2.3	1.4	0.5	1.8	0.9	1.4	M	Homicide	E960-E969/ X85-X99, Y00-Y09
0.6	3.5	0.5	1.0	0.9	0.8	1.6	1.2	0.5	0.6	F		
345.2	350.6	398.1	394.9	302.4	215.0	196.7	164.9	116.4	70.3	M	POPULATION	
333.9	345.6	401.4	407.8	326.8	249.9	252.1	244.9	209.9	163.1	F	(1000s; UN, 2002 revision)	

CZECH REPUBLIC: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2509	212	5	5	202	11	72	150	17	582	1465
35-69	Sm.	10021	4529	2855	579	1095	315	214	4240	-	723	-
	Total	25739 (39%)	8565 (53%)	2998 (95%)	771 (75%)	4796 (23%)	374 (84%)	542 (39%)	11070 (38%)	920	1738 (42%)	2530
70+	Sm.	6099	2468	1573	161	734	442	150	2793	-	246	-
	Total	30677 (20%)	6859 (36%)	1701 (92%)	252 (64%)	4906 (15%)	583 (76%)	1090 (14%)	19161 (15%)	203	1638 (15%)	1143
Any age	Sm.	16120	6997	4428	740	1829	757	364	7033	-	969	-
	Total	58925 (27%)	15636 (45%)	4704 (94%)	1028 (72%)	9904 (18%)	968 (78%)	1704 (21%)	30381 (23%)	1140	3958 (24%)	5138
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1971	185	6	4	175	8	49	107	23	362	1237
35-69	Sm.	8548	4179	2622	588	969	361	195	3145	-	668	-
	Total	23232 (37%)	8308 (50%)	2772 (95%)	815 (72%)	4721 (21%)	437 (83%)	510 (38%)	8751 (36%)	1019	1740 (38%)	2467
70+	Sm.	5550	2433	1553	155	725	538	111	2224	-	244	-
	Total	29679 (19%)	7385 (33%)	1702 (91%)	255 (61%)	5428 (13%)	729 (74%)	904 (12%)	17610 (13%)	181	1880 (13%)	990
Any age	Sm.	14098	6612	4175	743	1694	899	306	5369	-	912	-
	Total	54882 (26%)	15878 (42%)	4480 (93%)	1074 (69%)	10324 (16%)	1174 (77%)	1463 (21%)	26468 (20%)	1223	3982 (23%)	4694

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	5020.2	2554.8	2151.7	353.4	405.3	408.1	319.5	235.0	226.1	204.3	162.9	66.8	84.0
2000	4997.1	2442.6	2202.9	345.2	350.6	398.1	394.9	302.4	215.0	196.7	164.9	116.4	70.3
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	58925	2509	25739	821	1518	2534	3295	3716	5797	8058	10110	6010	14557
2000	54882	1971	23232	615	1146	2219	3590	4239	4746	6677	8395	9232	12052
Lung cancer													
1995	4704	5	2998	22	84	217	425	536	782	932	935	357	409
2000	4480	6	2772	9	49	193	432	607	662	820	776	592	334
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	1302.2*	99.5*	1478.4*	232.3	374.5	620.9	1031.3	1581.3	2563.9	3944.2	6206.3	8997.0	17329.8
2000	1162.6*	79.4*	1282.2*	178.2	326.9	557.4	909.1	1401.8	2207.4	3394.5	5091.0	7931.3	17143.7
All cancer													
1995	342.2*	8.3*	501.3*	33.4	83.9	179.9	371.8	596.2	916.9	1327.0	1809.1	2220.1	2891.7
2000	325.7*	7.3*	468.1*	23.8	69.6	163.8	327.9	548.9	873.5	1269.4	1648.3	2173.5	3039.8
Lung cancer													
1995	101.9*	0.2*	177.6*	6.2	20.7	53.2	133.0	228.1	345.9	456.2	574.0	534.4	486.9
2000	90.2*	0.2*	157.1*	2.6	14.0	48.5	109.4	200.7	307.9	416.9	470.6	508.6	475.1
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	22.0*	0.2*	41.1*	3.4	11.6	32.3	49.8	56.2	67.2	67.1	71.2	86.8	92.9
2000	21.2*	0.1*	41.0*	2.6	14.0	29.6	46.6	58.2	62.3	73.7	79.4	60.1	76.8
Other cancer													
1995	218.3*	7.9*	282.6*	23.8	51.6	94.3	189.0	311.9	503.8	803.7	1163.9	1598.8	2311.9
2000	214.2*	7.0*	270.0*	18.5	41.6	85.7	171.9	290.0	503.3	778.9	1098.2	1604.8	2487.9
Chronic obstructive pulmonary disease (COPD)													
1995	21.8*	0.4*	22.8*	2.0	1.2	5.6	14.1	16.2	46.9	73.4	109.3	193.1	328.6
2000	24.8*	0.3*	26.2*	1.2	2.3	5.0	13.2	24.5	50.2	86.9	129.8	219.1	369.8
Other respiratory disease													
1995	38.6*	3.1*	31.2*	3.1	9.1	13.2	22.2	28.9	51.7	90.1	163.9	288.9	750.0
2000	32.2*	2.1*	27.3*	4.3	8.6	14.3	19.0	37.4	43.7	64.1	117.6	221.6	643.0
Vascular disease													
1995	683.3*	6.0*	664.1*	46.1	100.2	204.9	362.8	656.6	1221.1	2056.8	3512.0	5431.1	11681.0
2000	577.2*	4.0*	506.9*	30.1	75.9	158.5	296.3	509.9	900.0	1577.5	2650.1	4491.4	11396.9
Liver cirrhosis													
1995	23.7*	0.7*	45.7*	12.2	29.9	44.8	57.0	60.9	55.7	59.7	72.4	52.4	59.5
2000	23.9*	0.9*	48.8*	7.8	22.2	43.2	62.5	73.1	67.4	65.6	60.0	43.8	44.1
Other medical causes													
1995	88.3*	26.0*	93.9*	28.3	38.2	58.1	81.4	99.6	154.8	196.8	330.9	509.0	903.6
2000	85.8*	18.6*	91.6*	16.2	35.1	52.8	79.5	103.5	150.7	203.4	323.2	531.8	1035.6
All non-medical causes													
1995	104.5*	55.0*	119.4*	107.2	112.0	114.4	122.1	123.0	116.8	140.5	208.7	302.4	715.5
2000	93.0*	46.0*	113.2*	94.7	113.2	119.8	110.7	104.5	121.9	127.6	161.9	250.0	614.5

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: CZECH REPUBLIC

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1154	182	3	2	177	4	52	88	9	449	370
35-69	Sm.	1573	551	424	32	95	78	41	735	-	168	-
	Total	13640 (12%)	5587 (10%)	609 (70%)	86 (37%)	4892 (2%)	136 (57%)	296 (14%)	5362 (14%)	297	1214 (14%)	748
70+	Sm.	1486	365	268	27	70	137	44	855	-	85	-
	Total	44194 (3%)	7057 (5%)	479 (56%)	112 (24%)	6466 (1%)	331 (41%)	1582 (3%)	30119 (3%)	176	2675 (3%)	2254
Any age	Sm.	3059	916	692	59	165	215	85	1590	-	253	-
	Total	58988 (5%)	12826 (7%)	1091 (63%)	200 (30%)	11535 (1%)	471 (46%)	1930 (4%)	35569 (4%)	482	4338 (6%)	3372
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	830	145	3	0	142	4	30	51	7	280	313
35-69	Sm.	1386	570	444	36	90	96	36	533	-	151	-
	Total	11544 (12%)	5202 (11%)	632 (70%)	91 (40%)	4479 (2%)	166 (58%)	258 (14%)	3817 (14%)	374	1057 (14%)	670
70+	Sm.	2262	565	413	38	114	284	55	1207	-	151	-
	Total	41745 (5%)	7314 (8%)	611 (68%)	109 (35%)	6594 (2%)	532 (53%)	1332 (4%)	27856 (4%)	142	3176 (5%)	1393
Any age	Sm.	3648	1135	857	74	204	380	91	1740	-	302	-
	Total	54119 (7%)	12661 (9%)	1246 (69%)	200 (37%)	11215 (2%)	702 (54%)	1620 (6%)	31724 (5%)	523	4513 (7%)	2376

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	5310.5	2442.0	2294.2	345.7	403.2	412.1	333.2	258.6	268.0	273.4	256.9	119.4	198.0
2000	5272.2	2336.8	2317.5	333.9	345.6	401.4	407.8	326.8	249.9	252.1	244.9	209.9	163.1
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	58988	1154	13640	339	655	1081	1453	1781	3035	5296	8598	7012	28584
2000	54119	830	11544	244	475	990	1568	1923	2291	4053	6849	10741	24155
Lung cancer													
1995	1091	3	609	11	28	45	89	86	144	206	171	91	217
2000	1246	3	632	10	13	58	98	123	143	187	227	212	172
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	774.8*	49.7*	673.9*	98.1	162.5	262.3	436.1	688.7	1132.5	1937.1	3346.8	5872.7	14436.4
2000	706.2*	37.8*	564.9*	73.1	137.4	246.6	384.5	588.4	916.8	1607.7	2796.7	5117.2	14809.9
All cancer													
1995	189.3*	7.5*	273.2*	36.4	75.1	128.4	215.2	323.3	464.9	669.3	885.9	1181.7	1702.0
2000	178.7*	6.1*	249.8*	31.7	61.3	119.8	202.3	301.7	422.6	609.3	837.5	1159.1	1735.1
Lung cancer													
1995	16.8*	0.1*	30.0*	3.2	6.9	10.9	26.7	33.3	53.7	75.3	66.6	76.2	109.6
2000	18.2*	0.1*	30.6*	3.0	3.8	14.4	24.0	37.6	57.2	74.2	92.7	101.0	105.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	2.8*	0.1*	4.2*	0.3	2.0	2.2	3.0	5.4	6.3	9.9	12.5	8.4	35.4
2000	2.9*	-	4.3*	0.3	2.0	3.0	3.2	5.5	6.4	9.5	9.8	18.1	28.8
Other cancer													
1995	169.6*	7.3*	239.1*	33.0	66.2	115.3	185.5	284.6	404.9	584.1	806.9	1097.2	1557.1
2000	157.6*	5.9*	214.9*	28.5	55.6	102.4	175.1	258.6	358.9	525.6	735.0	1040.0	1600.9
Chronic obstructive pulmonary disease (COPD)													
1995	6.3*	0.2*	7.0*	0.9	0.2	1.2	3.3	7.0	13.1	23.0	27.6	46.9	103.0
2000	9.1*	0.2*	8.4*	0.3	0.3	2.7	5.1	7.3	12.8	30.1	39.6	72.9	172.9
Other respiratory disease													
1995	24.0*	2.2*	14.3*	3.2	4.2	7.5	11.7	10.8	20.5	42.1	86.0	170.0	584.8
2000	20.8*	1.4*	12.6*	2.1	4.6	6.2	8.6	10.1	18.0	38.5	59.6	136.7	551.2
Vascular disease													
1995	436.7*	3.7*	272.8*	16.8	29.0	59.2	117.9	234.3	476.9	975.1	1938.1	3817.4	10394.9
2000	391.1*	2.0*	196.7*	7.8	20.5	50.6	83.6	162.2	328.1	724.3	1499.8	3126.7	10803.2
Liver cirrhosis													
1995	7.8*	0.4*	13.6*	4.3	7.9	13.1	15.6	18.2	14.9	20.8	27.6	28.5	35.9
2000	8.5*	0.3*	16.8*	4.8	7.5	13.2	18.9	24.8	23.2	25.0	20.0	21.4	29.4
Other medical causes													
1995	64.4*	21.1*	59.2*	12.7	16.1	28.9	42.3	61.9	100.4	152.2	260.8	387.8	778.8
2000	63.3*	15.2*	51.0*	8.4	13.9	28.6	36.8	52.3	80.0	136.9	260.1	439.7	990.8
All non-medical causes													
1995	46.2*	14.7*	33.9*	23.7	29.8	24.0	30.0	33.3	41.8	54.5	120.7	240.4	836.9
2000	34.8*	12.7*	29.6*	18.0	29.2	25.4	29.2	30.0	32.0	43.6	80.0	160.6	527.3

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

CZECH REPUBLIC: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 2.0	– / 0.8	–
35–69	8.5 / 23	1.4 / 12	21 years
70+	5.6 / 30	2.3 / 42	8 years
All ages	14 / 55	3.6 / 54	15 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

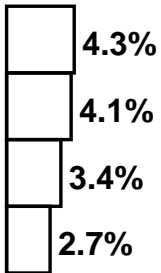
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	2.6/2.8	1.6/1.7	4.2/4.5	–/0.0	0.4/0.6	0.4/0.6	0.9/1.2
All Cancer	–/0.2	4.2/8.3 (50%)	2.4/7.4 (33%)	6.6/16	–/0.1	0.6/5.2 (11%)	0.6/7.3 (8%)	1.1/13
Vascular	–/0.1	3.1/8.8	2.2/18	5.4/26	–/0.1	0.5/3.8	1.2/28	1.7/32
Respiratory	–/0.1	0.6/0.9	0.6/1.6	1.2/2.6	–/0.0	0.1/0.4	0.3/1.9	0.5/2.3
All Other	–/1.6	0.7/5.2	0.2/3.1	0.9/9.9	–/0.6	0.2/2.1	0.2/4.7	0.3/7.4
All Causes	–/2.0	8.5/23 (37%)	5.6/30 (19%)	14/55	–/0.8	1.4/12 (12%)	2.3/42 (5%)	3.6/54

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	6.6 / 16 (42%)	1.1 / 13 (9%)	7.7 / 29 (27%)
All Causes	14 / 55 (26%)	3.6 / 54 (7%)	18 / 109 (16%)

1985-2000: CZECH REPUBLIC

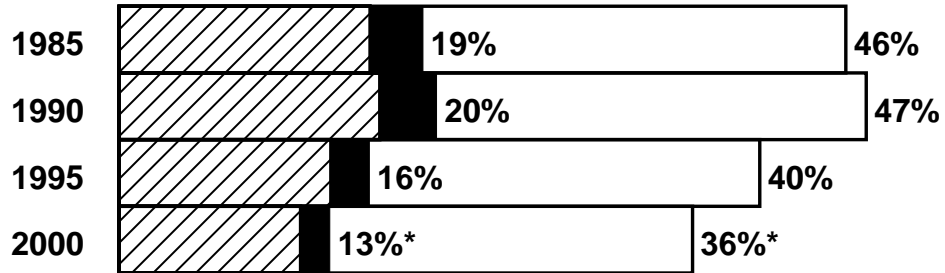
Population risk of dying at ages 0–34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

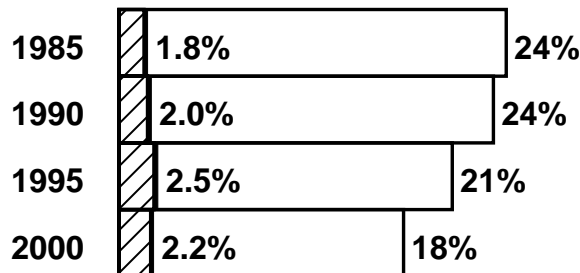
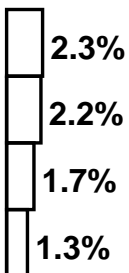
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 36 would die before age 70 (with 13 of these deaths attributed to smoking)

FEMALE



CZECH REPUBLIC: 1980-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/3.3	12/27 (43%)	7.9/36 (22%)	20/67	-/1.6	1.0/14 (7%)	1.4/49 (3%)	2.5/65
1990	-/3.0	13/31 (42%)	6.1/32 (19%)	19/66	-/1.5	1.4/16 (9%)	1.5/45 (3%)	2.9/63
1995	-/2.5	10/26 (39%)	6.1/31 (20%)	16/59	-/1.2	1.6/14 (12%)	1.5/44 (3%)	3.1/59
2000	-/2.0	8.5/23 (37%)	5.6/30 (19%)	14/55	-/0.8	1.4/12 (12%)	2.3/42 (5%)	3.6/54

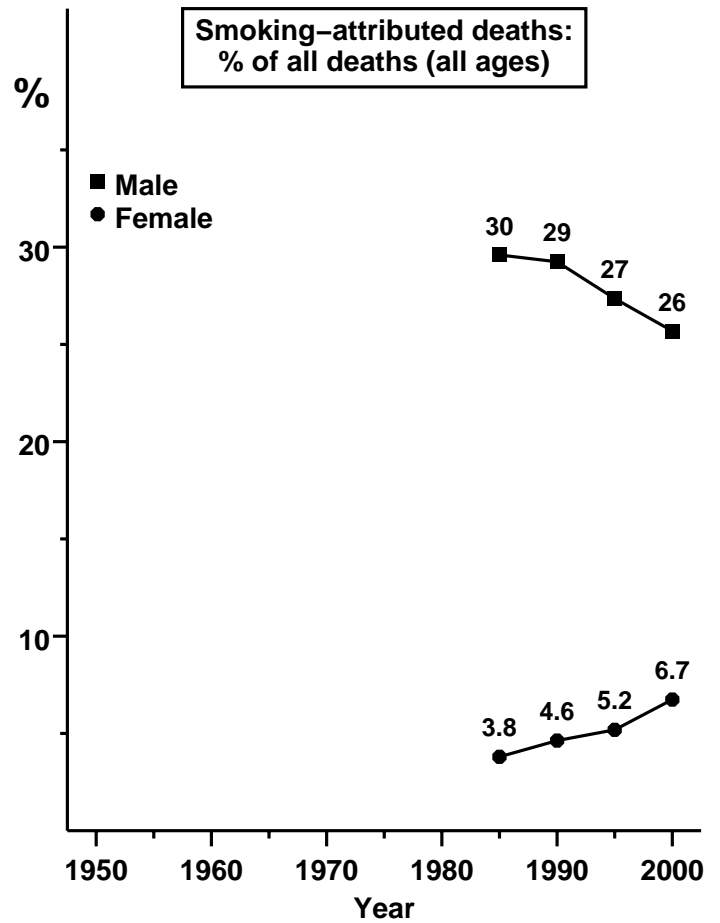
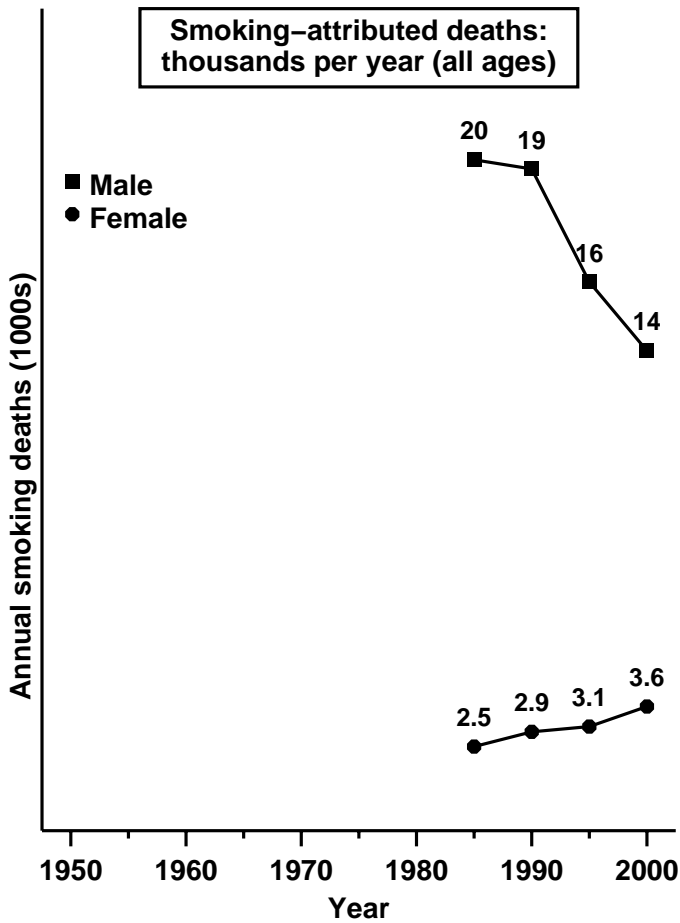
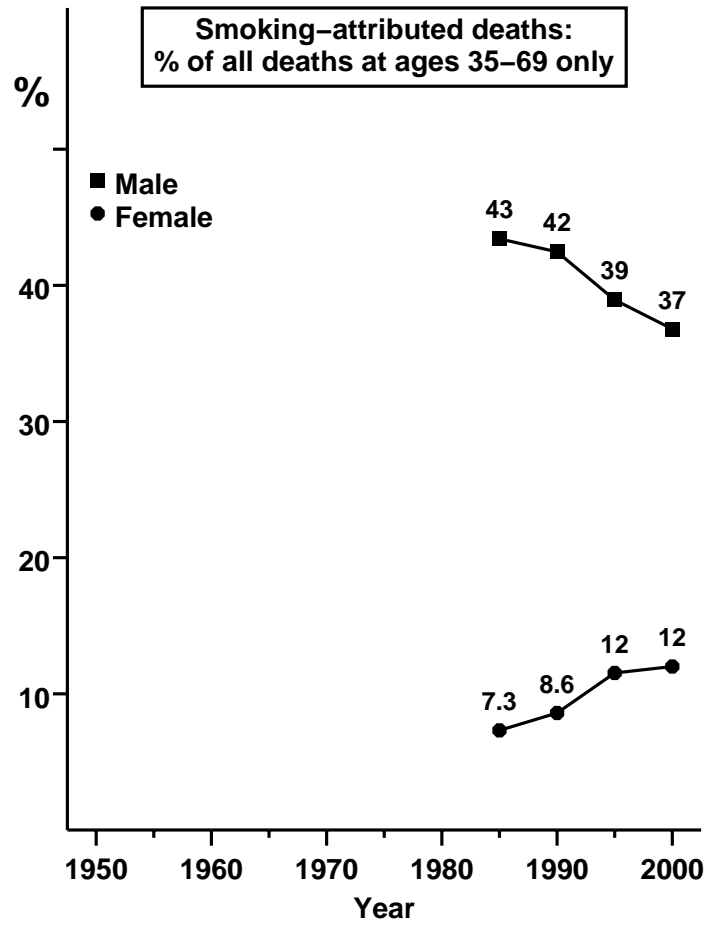
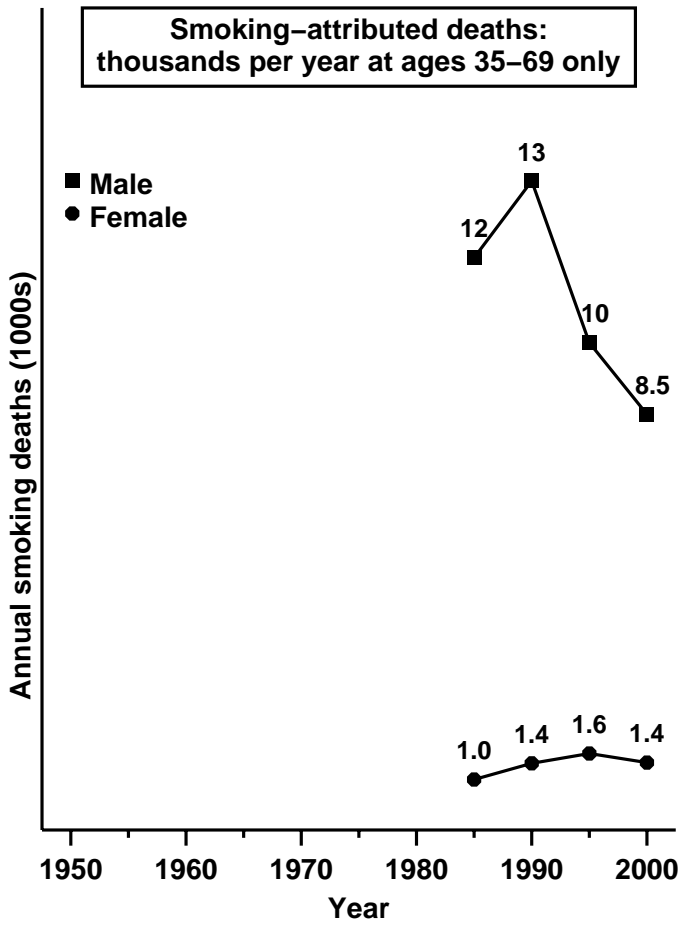
20-year total* (thousands), mid-1980 to mid-2000: 414 / 2496

1980-2000 by age & sex:

-/58	218/528 (41%)	140/669 (21%)	358/1255	-/28	26/278 (9%)	29/934 (3%)	55/1240
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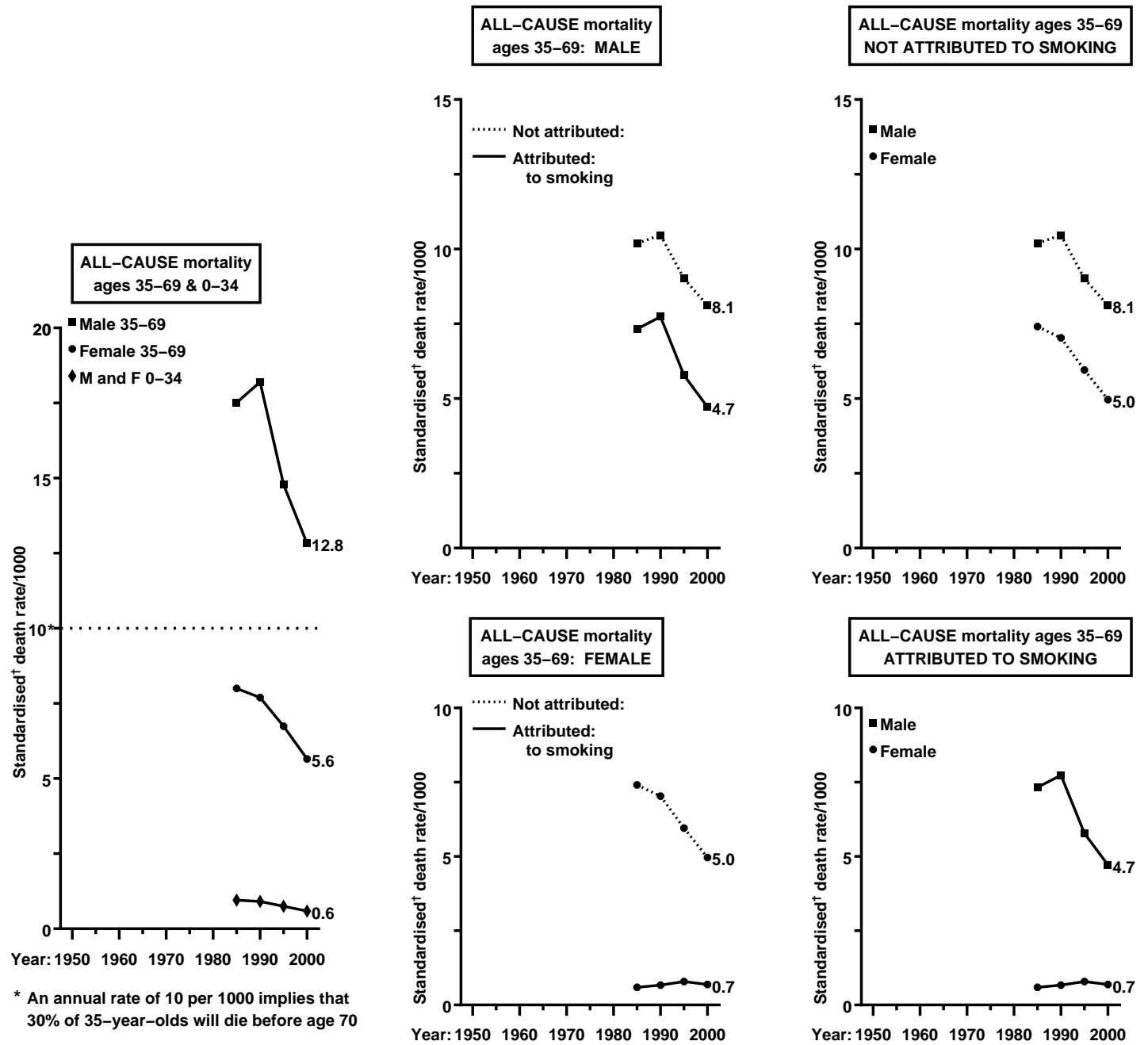
*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1985-2000: CZECH REPUBLIC



CZECH REPUBLIC: 1985-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

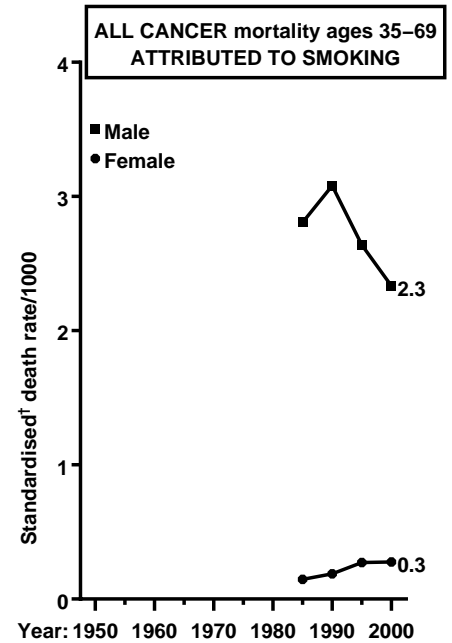
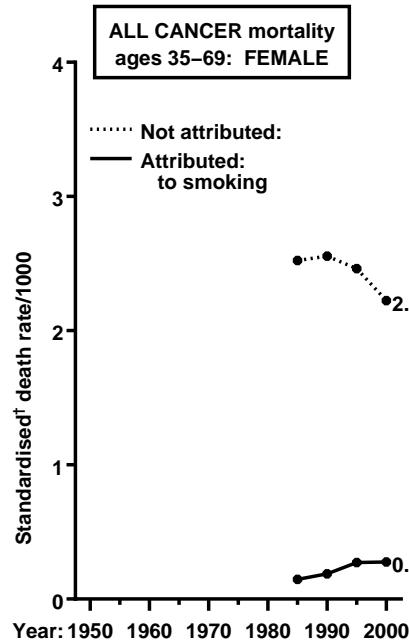
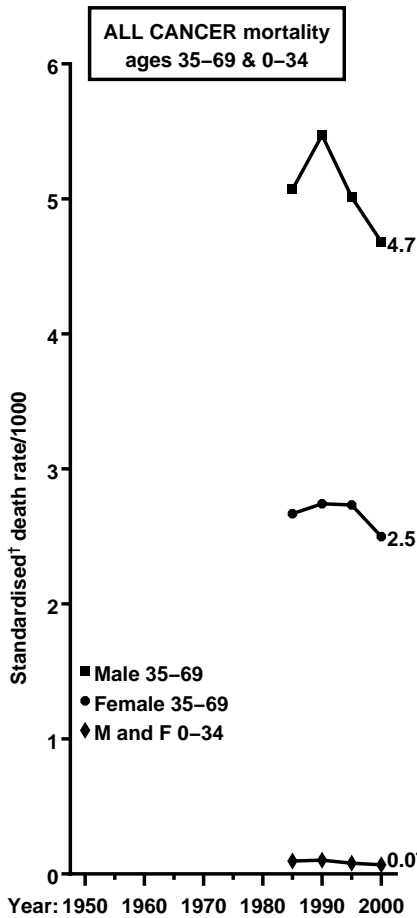
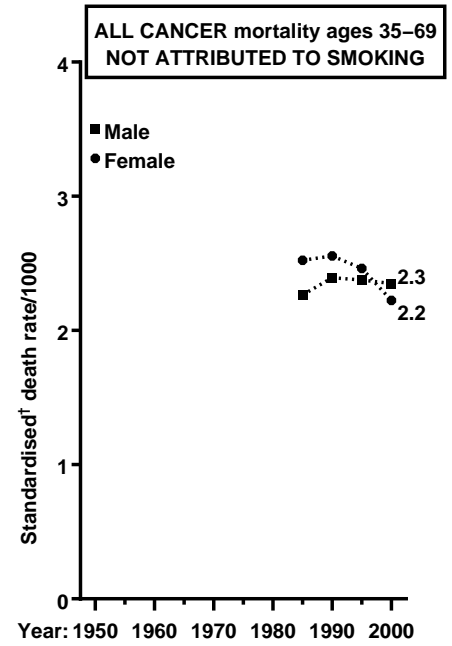
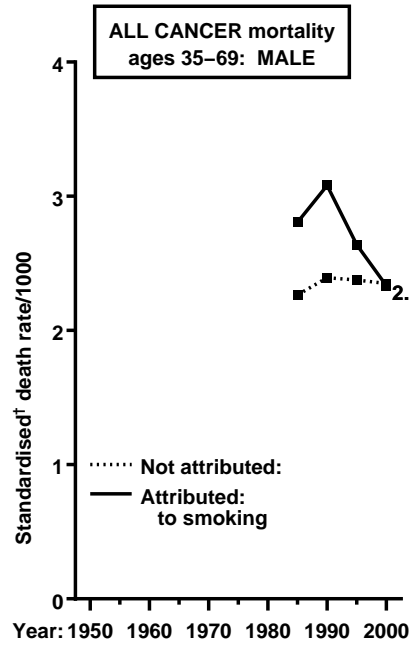
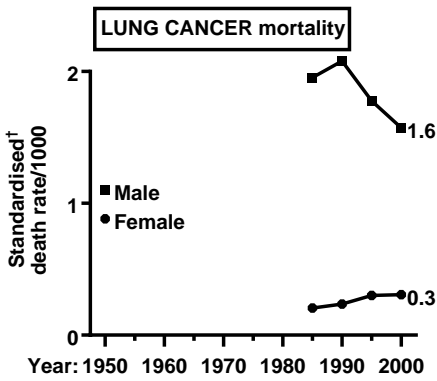


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965
1970
1975
1980
1985	-	1.24	7.32	10.2	21.7	70.7	-	0.66	0.59	7.41	2.19	61.7	-	0.63	0.67	7.03
1990	-	1.19	7.73	10.5	19.5	69.3	-	0.63	0.67	7.03	2.17	51.3	-	0.50	0.79	5.95
1995	-	0.99	5.78	9.01	16.9	59.1	-	0.50	0.79	5.95	1.86	44.2	-	0.38	0.69	4.96
2000	-	0.79	4.71	8.11	13.8	51.3	-	0.38	0.69	4.96	2.70	36.9	-	0.38	0.69	4.96

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: CZECH REPUBLIC

Trends in ALL CANCER mortality attributed and not attributed to smoking



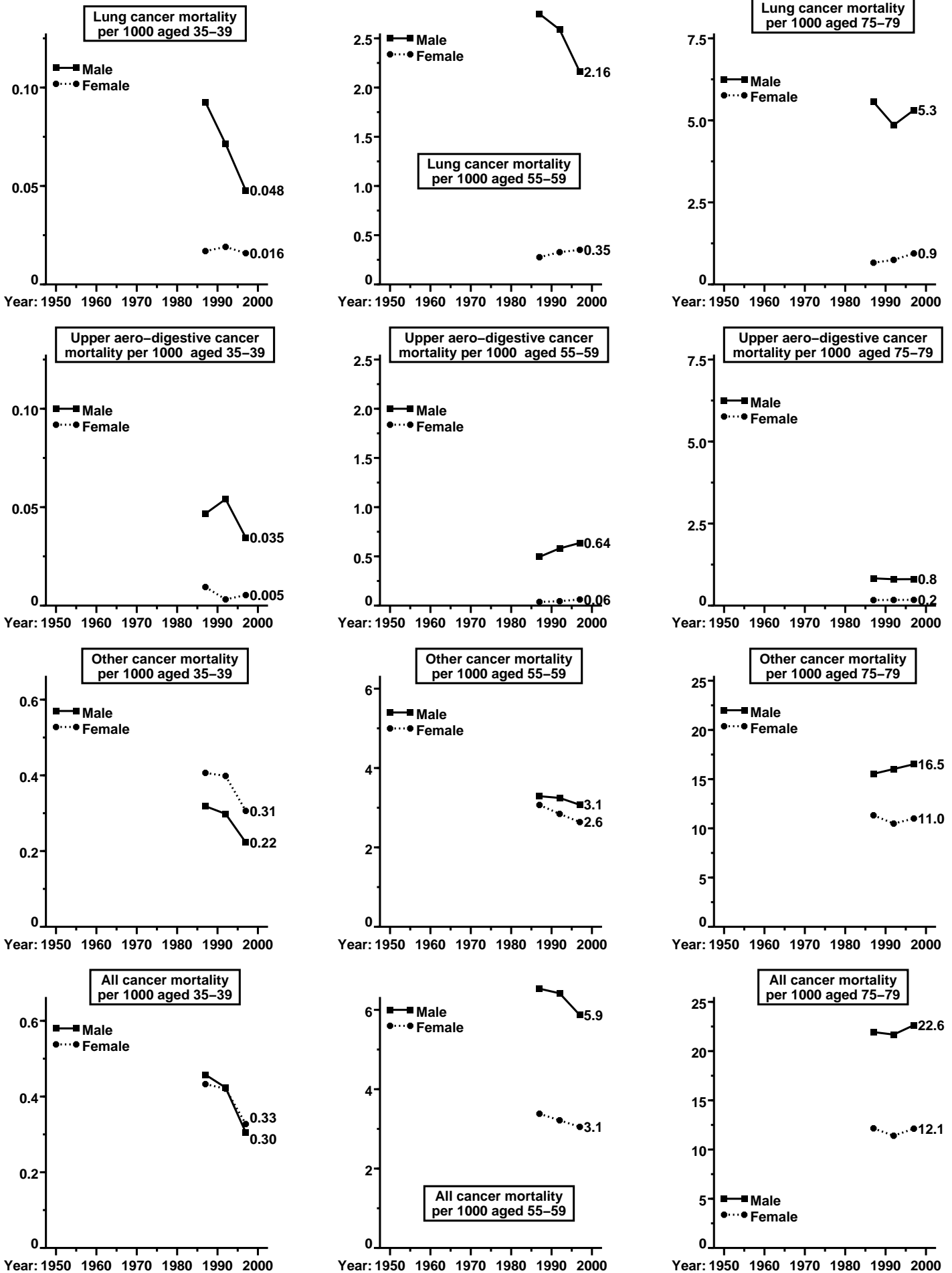
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955		
1960		
1965		
1970		
1975		
1980		
1985	-	0.11	2.81	2.26	7.97	12.0	-	0.08	0.15	2.52	0.44	10.3	-	0.07		
1990	-	0.11	3.08	2.39	7.77	13.1	-	0.10	0.19	2.55	0.53	10.1	-	0.07		
1995	-	0.08	2.64	2.38	7.71	12.4	-	0.07	0.27	2.46	0.53	9.81	-	0.07		
2000	-	0.07	2.33	2.35	6.73	12.4	-	0.06	0.28	2.22	0.87	9.11	-	0.07		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

CZECH REPUBLIC: 1985-2000

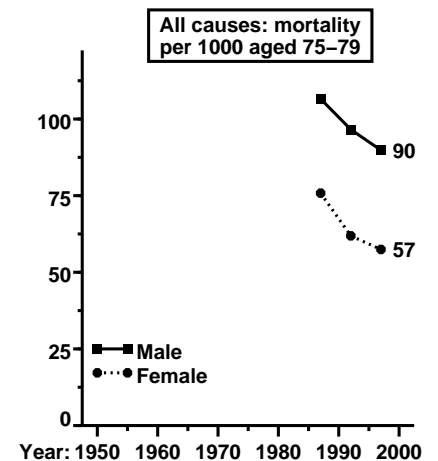
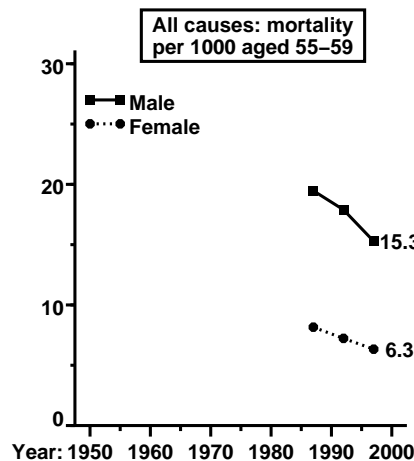
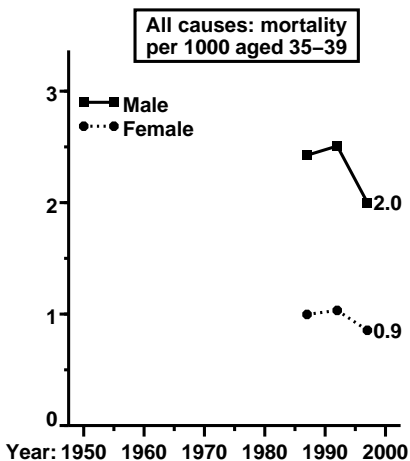
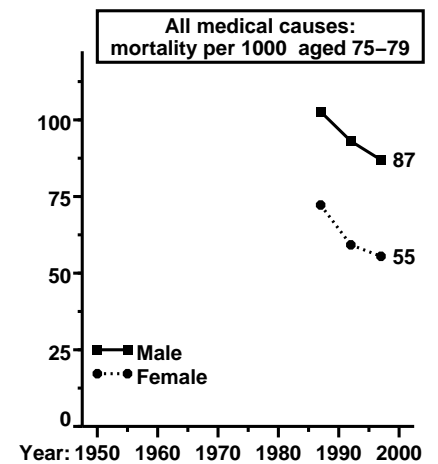
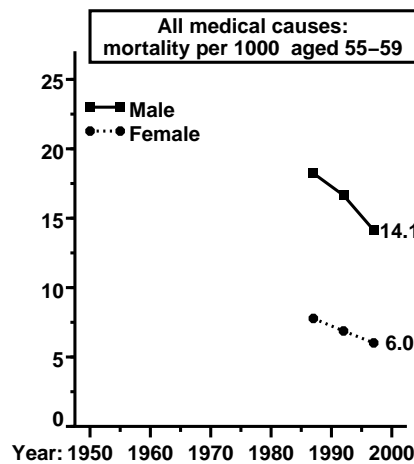
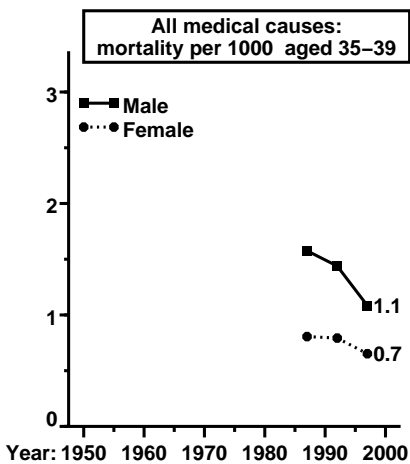
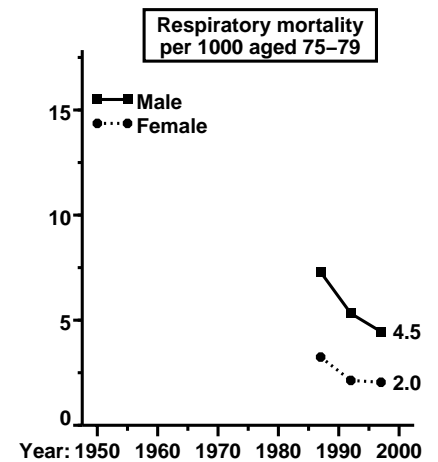
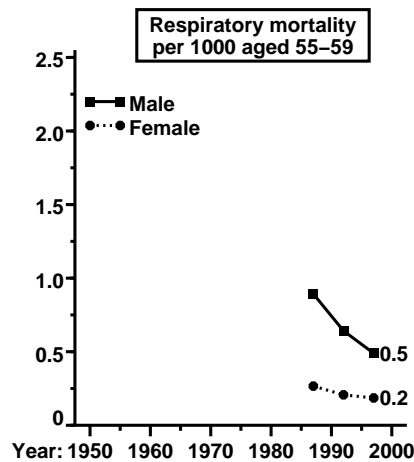
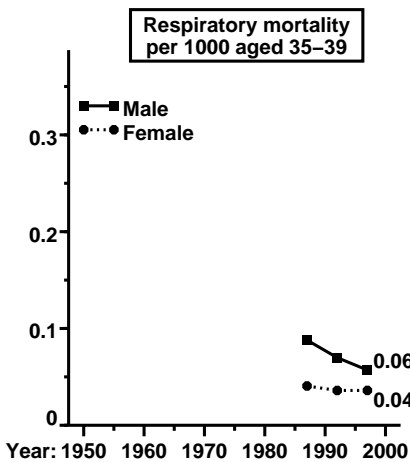
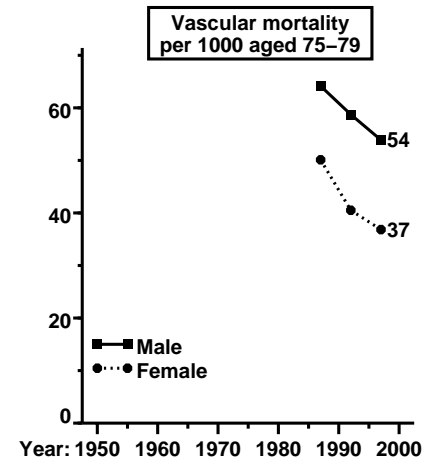
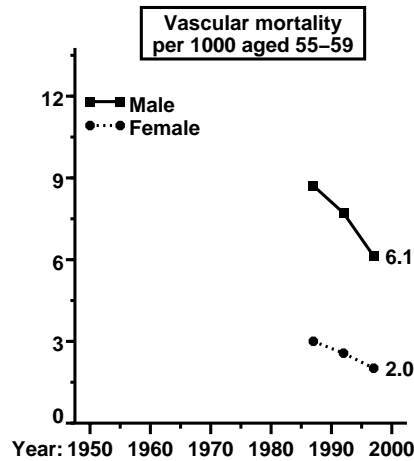
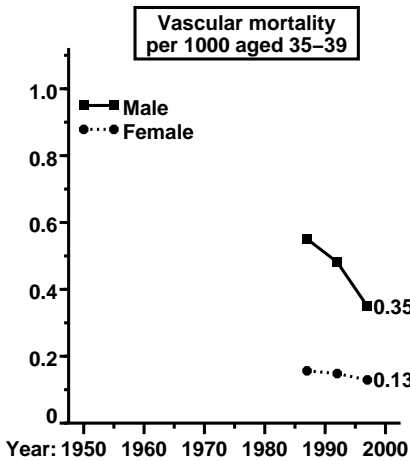
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1985–89,.....,1995–99; year 2000 on pages 140–141

1985-2000: CZECH REPUBLIC

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; year 2000 on pages 140-141

DENMARK: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	27761	838	8759	892.6	68.0	889.1	130.2	13.1	16.2	62.0	85.4	75.7	93.2
	F	29283	431	6089	621.4	36.9	603.7	102.3	5.4	10.9	31.2	27.6	38.1	42.8
Tuberculosis	M	23	-	7	0.7	-	0.6	-	-	-	-	-	-	-
	F	15	-	4	0.3	-	0.4	-	-	-	-	-	-	-
HIV	M	24	2	22	0.9	0.2	1.7	-	-	-	0.7	-	0.5	-
	F	5	2	3	0.2	0.2	0.2	-	0.6	-	-	-	-	0.5
Other infective and parasitic	M	129	9	38	4.2	0.8	3.5	2.9	-	0.6	0.7	0.6	-	0.5
	F	178	5	37	3.7	0.4	3.7	1.2	-	-	-	0.6	1.1	-
ALL CANCER	M	7832	83	3118	257.0	6.7	325.6	2.4	4.0	3.9	9.3	7.2	9.3	11.0
	F	7646	68	3007	196.6	5.4	295.9	1.2	0.6	3.4	3.0	5.0	9.7	15.1
Mouth and pharynx cancer	M	215	2	149	7.5	0.2	14.2	-	-	-	-	0.6	-	0.5
	F	93	-	38	2.4	-	3.7	-	-	-	-	-	-	-
Oesophagus cancer	M	280	3	153	9.5	0.2	15.5	-	-	-	-	-	0.5	1.0
	F	132	1	52	3.4	0.1	5.3	-	-	-	-	-	-	0.5
Stomach cancer	M	235	2	105	7.8	0.1	11.0	-	-	-	-	-	-	1.0
	F	133	1	40	3.2	0.1	4.0	-	-	-	-	-	-	0.5
Colorectal cancer	M	983	3	345	31.7	0.2	36.0	-	-	-	-	0.6	-	1.0
	F	1081	5	296	24.9	0.4	29.8	-	-	-	-	-	0.5	2.0
Liver cancer	M	119	1	68	4.1	0.1	7.0	-	-	-	-	-	-	0.5
	F	82	2	32	2.2	0.2	3.2	-	-	0.7	-	0.6	-	-
Pancreas cancer	M	387	1	185	12.9	0.1	18.8	-	-	-	-	-	0.5	-
	F	408	-	149	10.2	-	15.1	-	-	-	-	-	-	-
Larynx cancer	M	102	-	54	3.4	-	5.4	-	-	-	-	-	-	-
	F	24	-	8	0.7	-	0.7	-	-	-	-	-	-	-
Lung cancer	M	1997	3	892	66.7	0.2	95.8	-	-	-	-	-	-	1.4
	F	1433	3	677	39.8	0.2	68.2	-	-	-	-	-	0.5	1.0
Malignant melanoma	M	108	2	57	3.6	0.1	5.8	-	-	-	-	-	-	1.0
	F	108	3	53	3.0	0.2	4.8	-	-	-	-	0.6	0.5	0.5
Female breast cancer	F	1329	5	666	36.4	0.4	63.4	-	-	-	-	-	-	1.6
Cervix cancer	F	142	10	66	4.0	0.8	6.0	-	-	-	-	1.3	2.7	1.5
Other uterine cancer	F	180	1	67	4.6	0.1	6.4	-	-	-	-	-	0.5	-
Ovarian cancer	F	465	2	252	13.5	0.2	24.5	-	-	-	0.7	-	0.5	-
Prostate cancer	M	1084	-	200	33.6	-	23.9	-	-	-	-	-	-	-
Bladder cancer	M	419	-	116	13.3	-	13.7	-	-	-	-	-	-	-
	F	185	-	43	4.1	-	4.5	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	1336	39	561	44.1	3.2	55.1	2.4	3.4	2.6	3.6	3.0	6.2	1.4
	F	1347	21	401	31.8	1.8	39.4	0.6	0.6	1.4	2.2	1.9	1.1	4.5
Hodgkin's disease	M	10	1	6	0.3	0.1	0.6	-	-	-	-	-	-	0.5
	F	13	4	5	0.4	0.3	0.4	-	-	-	-	-	0.5	1.5
Myeloma and non-Hodgkin lymphomas	M	316	9	142	10.4	0.7	14.3	-	-	-	0.7	1.2	-	2.9
	F	279	3	102	6.9	0.2	10.4	-	-	-	-	-	0.5	1.0
Leukaemia	M	241	17	85	8.0	1.5	8.5	-	0.6	1.3	5.0	1.8	2.1	-
	F	212	7	60	5.0	0.6	6.0	0.6	-	1.4	-	0.6	0.5	1.0
Diabetes	M	758	4	272	24.6	0.3	28.2	-	-	-	-	-	-	1.9
	F	675	4	141	14.3	0.3	14.0	-	-	-	-	-	1.1	1.0
ALL VASCULAR DISEASE	M	9754	37	2289	304.0	2.8	244.3	0.6	-	-	2.1	3.0	4.7	9.1
	F	10777	25	1035	194.4	2.1	107.6	2.5	0.6	1.4	1.5	1.3	4.3	3.0
Rheumatic heart disease and fever	M	12	1	2	0.4	0.1	0.2	-	-	-	-	-	0.5	-
	F	11	-	2	0.2	-	0.2	-	-	-	-	-	-	-
Hypertensive disease	M	229	3	92	7.5	0.2	9.7	-	-	-	-	0.6	-	1.0
	F	272	-	27	5.2	-	2.8	-	-	-	-	-	-	-
Ischaemic heart disease	M	4743	5	1197	148.5	0.4	127.7	-	-	-	-	0.6	1.0	1.0
	F	4368	2	403	78.1	0.1	42.7	-	-	-	-	-	0.5	0.5
Pulmonary embolism and other venous	M	138	3	48	4.5	0.2	4.9	-	-	-	0.7	-	-	1.0
	F	195	3	41	4.2	0.3	3.8	-	-	-	1.5	-	-	0.5
Cerebrovascular disease	M	2032	10	416	62.8	0.7	44.5	-	-	-	-	0.6	1.0	3.4
	F	2962	4	314	54.1	0.3	32.0	-	-	-	-	-	1.6	0.5
Other vascular disease	M	2600	15	534	80.4	1.2	57.2	0.6	-	-	1.4	1.2	2.1	2.9
	F	2969	16	248	52.6	1.3	26.0	2.5	0.6	1.4	-	1.3	2.1	1.5
Chronic obstructive pulmonary disease	M	1752	2	341	54.5	0.2	39.9	0.6	-	-	-	0.6	-	-
	F	1913	2	484	45.2	0.2	52.6	-	-	-	-	0.6	-	0.5
Other respiratory disease	M	675	6	85	20.3	0.5	8.7	0.6	-	0.6	-	0.6	0.5	1.0
	F	882	4	52	14.9	0.3	5.2	1.9	-	-	-	-	0.5	-
Peptic ulcer	M	228	1	43	7.0	0.1	4.9	-	-	-	-	-	0.5	-
	F	339	1	31	6.2	0.1	3.2	-	-	-	-	-	-	0.5
Liver cirrhosis	M	574	8	489	20.5	0.5	44.0	-	-	-	-	-	-	3.8
	F	227	2	180	7.5	0.1	15.7	-	-	-	-	-	-	1.0
Renal disease	M	224	2	40	6.8	0.2	4.4	-	-	-	0.7	-	0.5	-
	F	202	-	40	4.2	-	4.0	-	-	-	-	-	-	-
Pregnancy, birth	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital and perinatal causes	M	210	179	27	9.4	15.0	2.2	98.4	-	1.3	1.4	1.2	1.6	1.4
	F	173	134	29	7.9	11.9	2.5	76.7	1.8	1.4	1.5	0.6	-	1.5
Ill-defined causes	M	1020	28	297	32.4	2.2	29.9	5.9	-	-	1.4	1.2	1.6	5.3
	F	1534	15	152	27.3	1.3	15.5	5.0	-	-	0.7	1.3	0.5	1.5
Other medical causes	M	2668	68	904	85.4	5.5	86.3	10.6	3.4	2.6	3.6	6.6	4.1	7.7
	F	3251	47	550	65.0	4.0	53.2	6.2	-	2.0	4.5	5.6	4.8	5.0
ALL NON-MEDICAL CAUSES	M	1890	409	787	64.8	33.0	64.9	8.2	5.7	7.1	42.0	64.4	52.4	51.4
	F	1466	122	344	33.5	10.5	29.9	7.5	1.8	2.7	20.0	12.5	16.1	13.1
Motor vehicle traffic accidents	M	308	147	105	11.6	12.5	8.9	2.9	2.8	5.2	22.1	30.1	15.0	9.1
	F	141	46	50	4.7	4.2	4.3	0.6	1.2	2.0	11.9	5.6	4.3	3.5
Fire	M	40	8	17	1.4	0.6	1.2	-	0.6	-	0.7	0.6	2.1	0.5
	F	26	-	10	0.6	-	0.9	-	-	-	-	-	-	-
Suicide	M	533	101	321	18.9	8.0	26.8	-	-	0.6	8.5	16.2	14.0	16.3
	F	194	25	114	6.2	2.1	9.6	-	-	-	5.2	1.3	4.3	4.0
Homicide	M	35	10	21	1.3	0.8	1.6	1.2	-	-	0.7	-	1.6	1.9
	F	32	17	12	1.2	1.5	1.0	1.9	0.6	0.7	1.5	1.9	2.7	1.0
POPULATION:														
(1000s; UN, 2002 revision)			M=male		2633.6	1207.1	1198.0	169.7	175.6	154.2	140.4	166.2	192.8	208.2
			F=female		2688.3	1152.9	1187.3	160.3	167.1	146.4	134.8	159.4	186.4	198.5

2000: DENMARK

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
137.3	245.3	388.5	540.1	949.8	1446.7	2516.2	4023.8	6790.8	13984.5	M	ALL CAUSES	001-999/A00-Y89
78.5	132.7	249.6	385.7	608.2	1025.9	1745.5	2714.0	4143.4	11054.6	F	Tuberculosis	010-018, 137/ A15-A19, B90
-	1.0	-	-	1.1	2.3	-	6.8	7.2	7.1	M	HIV	279.5, 279.6/B20-B24
-	-	0.5	-	-	0.7	1.7	1.9	3.1	4.2	F	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
3.8	1.0	2.1	2.5	0.6	0.8	1.0	-	-	-	M	ALL CANCER	140-208/C00-C97
0.5	0.5	-	0.5	-	-	-	-	-	-	F	Mouth and pharynx cancer	140-149/C00-C14
1.0	2.1	2.1	4.0	2.3	7.7	5.7	13.6	36.1	63.6	M	Oesophagus cancer	150/C15
-	1.1	2.2	2.5	2.9	3.7	13.8	13.1	18.3	72.8	F	Stomach cancer	151/C16
20.6	46.6	106.9	177.1	367.9	579.3	980.9	1417.4	2021.6	2792.4	M	Colorectal cancer	153, 154/C18-C21
25.7	57.6	111.1	210.3	338.3	528.9	799.7	1004.7	1244.2	1591.7	F	Liver cancer	155.0/C22 excl C221
1.4	2.6	10.2	12.4	22.2	18.4	32.4	28.3	28.9	26.8	M	Pancreas cancer	157/C25
0.5	-	3.3	2.5	2.9	8.9	7.7	9.3	16.3	20.3	F	Larynx cancer	161/C32
-	1.6	8.1	12.9	17.1	27.6	41.0	46.4	53.4	65.0	M	Lung cancer	162/C33, C34
-	-	1.6	3.0	6.9	8.9	16.3	17.8	21.4	27.3	F	Malignant melanoma	172/C43
0.5	2.6	3.8	7.4	9.1	19.2	34.4	39.6	44.7	87.6	M	Female breast cancer	174/C50
1.0	-	0.5	2.0	4.6	8.9	11.2	19.6	30.5	28.7	F	Cervix cancer	180/C53
1.9	4.2	11.3	18.3	42.8	69.7	104.0	167.4	267.0	426.6	M	Other uterine cancer	179, 182/C54, C55
2.0	3.8	9.9	14.7	36.8	51.1	90.3	142.1	193.3	306.7	F	Ovarian cancer	183/C56, C570-C574
-	1.0	2.7	4.0	8.6	14.6	18.1	18.1	28.9	19.8	M	Prostate cancer	185/C61
1.0	-	1.6	3.0	-	8.9	7.7	10.3	14.2	16.1	F	Bladder cancer	188/C67
0.5	3.1	6.4	16.3	21.1	29.9	54.4	65.6	105.3	98.9	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
0.5	1.1	3.8	8.6	18.4	25.9	47.3	53.3	78.3	87.5	F	Hodgkin's disease	201/C81
0.5	1.6	2.7	3.0	6.8	10.0	13.4	18.1	18.8	26.8	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
-	-	0.5	-	2.9	0.7	0.9	8.4	3.1	2.8	F	Leukaemia	204-208/C91-C95
1.0	8.9	22.6	43.5	104.4	180.1	310.1	450.2	561.3	444.9	M	Diabetes	250/E10-E14
2.0	10.3	16.5	42.0	77.1	126.7	202.9	233.6	256.4	175.8	F	ALL VASCULAR DISEASE	390-459/I00-199
1.0	1.0	2.7	3.5	7.4	6.9	18.1	15.8	11.5	38.1	M	Rheumatic heart disease and fever	390-398/I00-109
1.5	3.8	3.8	4.6	4.0	8.1	7.7	13.1	10.2	19.6	F	Hypertensive disease	401-405/I10-I15
4.5	21.8	36.3	53.1	79.4	99.3	149.6	149.5	150.6	245.1	M	Ischaemic heart disease	410-414/I20-I25
4.5	4.9	3.8	4.6	4.0	6.7	13.8	16.8	18.3	21.0	F	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
-	0.5	1.1	7.6	8.6	12.6	14.6	29.0	28.5	37.1	M	Cerebrovascular disease	430-438/I60-169
3.0	3.8	11.5	22.2	22.4	48.1	60.2	72.9	62.1	50.4	M	Other vascular disease	Rest of 390-459/ rest of I00-199
-	-	0.5	2.5	16.0	41.4	106.9	192.3	343.4	672.3	F	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.5	1.0	2.7	3.0	6.3	19.2	63.0	70.1	125.5	217.5	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
-	0.5	-	0.5	6.3	11.1	12.9	26.2	37.6	53.9	F	Peptic ulcer	531-533/K25-K27
10.6	12.1	26.3	34.1	78.2	98.9	126.0	225.1	294.4	470.3	M	Liver cirrhosis	571/K70, K74
1.5	7.1	11.5	32.4	48.3	65.2	110.1	153.3	237.0	369.7	F	Renal disease	580-590/N00-N19
0.5	-	-	1.0	-	1.7	2.3	1.1	1.4	1.4	M	Pregnancy, birth congenital and perinatal causes	630-676/A34, O00-O99 740-779/A33, P00-P96, Q00-Q99
1.0	3.7	3.8	9.9	17.7	30.7	33.4	38.5	77.9	108.8	F	Ill-defined causes	780-799/R00-R99
2.0	-	3.8	4.6	9.2	22.2	31.0	28.0	43.7	70.7	M	Other medical causes	Rest of 001-799/ rest of A00-R99
1.9	3.1	3.2	6.4	8.6	10.7	25.8	40.7	59.2	87.6	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
1.0	-	1.1	4.0	6.3	14.1	15.5	21.5	40.7	57.4	F	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
1.9	6.8	10.7	16.8	26.8	51.3	83.0	143.7	197.7	307.9	M	Fire	E890-E899/X00-X09
2.0	3.3	4.9	5.6	19.6	21.5	41.3	72.0	100.7	247.9	F	Suicide	E950-E959/X60-X84
13.0	33.5	70.9	115.7	250.4	419.9	806.3	1414.0	2666.7	6115.8	M	Homicide	E960-E969/ X85-X99, Y00-Y09
8.6	18.5	30.8	49.5	71.3	203.7	370.6	754.2	1466.9	5229.7	F	POPULATION (1000s; UN, 2002 revision)	
-	-	-	0.5	-	-	1.0	1.1	2.9	8.5	M		
-	1.0	3.2	4.5	10.8	20.7	27.7	30.5	54.8	97.5	M		
-	-	1.1	1.5	2.3	3.0	12.0	30.8	58.0	108.5	F		
6.2	13.1	32.8	62.3	136.9	227.6	415.1	705.9	1300.1	2847.5	M		
0.5	4.9	8.8	17.2	27.0	88.1	152.2	299.1	595.1	2141.5	F		
0.5	1.6	2.7	2.5	5.1	6.9	15.3	18.1	39.0	62.1	M		
0.5	0.5	3.3	5.1	3.5	3.7	10.3	20.6	35.6	65.8	F		
1.0	9.4	12.4	20.8	44.5	74.3	148.9	290.7	601.7	1316.4	M		
5.5	8.2	11.0	16.2	21.9	56.3	104.9	206.5	418.1	1409.0	F		
5.3	8.4	19.9	25.2	53.1	90.4	198.5	367.6	668.1	1783.9	M		
2.0	4.9	6.6	9.6	16.1	52.6	90.3	196.3	357.1	1501.4	F		
1.9	1.0	5.4	12.4	21.1	55.2	182.3	323.5	619.0	980.2	M		
1.0	2.2	6.0	11.1	38.6	97.0	212.4	359.8	429.3	434.2	F		
1.0	2.6	3.8	5.4	8.0	14.6	25.8	64.5	145.7	601.7	M		
1.5	1.1	3.3	2.0	5.8	3.7	18.9	55.1	76.3	484.6	F		
-	0.5	2.1	1.5	2.3	6.9	21.0	27.1	62.0	165.3	M		
0.5	0.5	1.1	2.0	2.3	3.7	12.0	27.1	52.9	158.3	F		
6.2	25.2	38.7	45.5	64.5	64.4	63.9	53.2	31.7	11.3	M		
5.5	4.4	20.3	16.7	23.6	22.2	17.2	15.0	17.3	8.4	F		
1.0	1.6	1.1	1.5	2.3	6.9	16.2	21.5	50.5	180.8	M		
0.5	1.6	2.2	1.5	4.0	5.2	12.9	17.8	32.6	77.7	F		
-	-	-	-	-	-	-	-	-	-	F		
2.9	0.5	1.1	2.5	5.7	1.5	1.0	-	5.8	-	M		
1.5	0.5	1.6	3.0	4.0	5.2	1.7	4.7	2.0	2.1	F		
7.2	9.4	14.0	15.3	32.5	49.0	82.1	126.7	174.6	652.5	M		
0.5	3.8	5.5	10.1	11.5	22.2	55.0	76.6	153.6	794.1	F		
13.9	39.8	53.2	77.6	101.0	126.4	191.8	293.0	554.1	1487.3	M		
9.6	13.6	26.4	41.5	59.3	79.3	142.7	246.7	406.9	1393.6	F		
62.9	73.4	76.3	62.3	63.3	60.5	55.3	118.8	217.9	618.6	M		
21.1	23.9	33.5	29.3	27.0	28.9	45.6	65.4	139.4	555.3	F		
7.7	8.4	7.0	8.9	11.4	7.7	11.5	19.2	31.7	24.0	M		
2.5	4.4	6.6	1.5	5.8	5.2	4.3	6.5	13.2	17.5	F		
2.9	0.5	1.6	3.0	0.6	-	-	5.7	4.3	9.9	M		
-	-	0.5	2.5	-	2.2	0.9	0.9	3.1	8.4	F		
23.5	28.8	31.7	27.2	21.7	29.1	25.8	44.1	33.2	69.2	M		
8.1	7.1	9.9	13.7	9.2	8.9	10.3	12.1	9.2	23.1	F		
1.9	3.1	1.6	2.0	1.7	0.8	-	1.1	2.9	1.4	M		
1.0	1.1	1.6	1.5	0.6	-	0.9	-	1.0	1.4	F		
208.3	190.8	186.1	202.2	175.3	130.5	104.8	88.4	69.3	70.8	M		
198.6	183.9	181.9	197.8	173.8	135.0	116.3	107.0	98.3	142.8	F		

DENMARK: 1995, 2000**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1095	86	2	0	84	4	12	42	12	395	544
35-69	Sm.	2893	1285	853	172	260	289	37	770	-	512	-
	Total	9777 (30%)	3027 (42%)	930 (92%)	285 (60%)	1812 (14%)	376 (77%)	142 (26%)	2990 (26%)	464	1959 (26%)	819
70+	Sm.	4619	1776	1125	140	511	1019	125	1243	-	456	-
	Total	20192 (23%)	4836 (37%)	1220 (92%)	218 (64%)	3398 (15%)	1330 (77%)	934 (13%)	8977 (14%)	86	3296 (14%)	733
Any age	Sm.	7512	3061	1978	312	771	1308	162	2013	-	968	-
	Total	31064 (24%)	7949 (39%)	2152 (92%)	503 (62%)	5294 (15%)	1710 (76%)	1088 (15%)	12009 (17%)	562	5650 (17%)	2096
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	838	83	3	5	75	2	6	37	8	293	409
35-69	Sm.	2452	1246	808	204	234	253	21	536	-	396	-
	Total	8759 (28%)	3118 (40%)	892 (91%)	356 (57%)	1870 (13%)	341 (74%)	85 (25%)	2289 (23%)	489	1650 (24%)	787
70+	Sm.	4088	1614	1009	146	459	1056	69	931	-	418	-
	Total	18164 (23%)	4631 (35%)	1102 (92%)	236 (62%)	3293 (14%)	1409 (75%)	584 (12%)	7428 (13%)	77	3341 (13%)	694
Any age	Sm.	6540	2860	1817	350	693	1309	90	1467	-	814	-
	Total	27761 (24%)	7832 (37%)	1997 (91%)	597 (59%)	5238 (13%)	1752 (75%)	675 (13%)	9754 (15%)	574	5284 (15%)	1890

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

			All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)															
1995			2579.8	1234.3	1120.6	190.5	186.9	204.9	180.1	137.7	115.9	104.6	91.4	66.0	67.5
2000			2633.6	1207.1	1198.0	208.3	190.8	186.1	202.2	175.3	130.5	104.8	88.4	69.3	70.8
NUMBER OF DEATHS (Source: WHO)															
All causes															
1995			31064	1095	9777	364	537	834	1109	1502	2244	3187	4585	5056	10551
2000			27761	838	8759	286	468	723	1092	1665	1888	2637	3557	4706	9901
Lung cancer															
1995			2152	2	930	5	13	33	96	152	281	350	466	397	357
2000			1997	3	892	2	17	42	88	183	235	325	398	389	315
ANNUAL DEATH RATE / 100,000															
All causes															
1995			1047.8*	83.4*	1082.1*	191.1	287.3	407.0	615.8	1090.8	1936.2	3046.8	5016.4	7660.6	15631.1
2000			892.6*	68.0*	889.1*	137.3	245.3	388.5	540.1	949.8	1446.7	2516.2	4023.8	6790.8	13984.5
All cancer															
1995			273.8*	6.7*	346.5*	24.7	32.1	95.7	201.6	350.0	694.6	1026.8	1594.1	2143.9	2909.6
2000			257.0*	6.7*	325.6*	20.6	46.6	106.9	177.1	367.9	579.3	980.9	1417.4	2021.6	2792.4
Lung cancer															
1995			75.6*	0.1*	109.5*	2.6	7.0	16.1	53.3	110.4	242.5	334.6	509.8	601.5	528.9
2000			66.7*	0.2*	95.8*	1.0	8.9	22.6	43.5	104.4	180.1	310.1	450.2	561.3	444.9
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)															
1995			18.1*	-	30.6*	1.0	4.3	17.1	27.2	36.3	59.5	68.8	91.9	90.9	109.6
2000			20.4*	0.4*	35.1*	1.9	5.8	21.0	28.2	46.2	55.9	86.8	92.8	101.0	118.6
Other cancer															
1995			180.0*	6.5*	206.4*	21.0	20.9	62.5	121.0	203.3	392.6	623.3	992.3	1451.5	2271.1
2000			169.9*	6.2*	194.7*	17.8	32.0	63.4	105.3	217.3	343.3	584.0	874.4	1359.3	2228.8
Chronic obstructive pulmonary disease (COPD)															
1995			56.0*	0.3*	46.7*	1.0	1.1	5.4	7.8	31.2	93.2	187.4	372.0	634.8	845.9
2000			54.5*	0.2*	39.9*	1.9	1.0	5.4	12.4	21.1	55.2	182.3	323.5	619.0	980.2
Other respiratory disease															
1995			34.4*	0.9*	16.6*	1.0	6.4	2.9	4.4	16.0	25.9	59.3	156.5	219.7	957.0
2000			20.3*	0.5*	8.7*	1.0	2.6	3.8	5.4	8.0	14.6	25.8	64.5	145.7	601.7
Vascular disease															
1995			394.8*	3.1*	350.5*	13.1	43.3	76.6	148.8	338.4	665.2	1168.3	1975.9	3337.9	7360.0
2000			304.0*	2.8*	244.3*	13.0	33.5	70.9	115.7	250.4	419.9	806.3	1414.0	2666.7	6115.8
Liver cirrhosis															
1995			21.3*	0.8*	44.3*	13.1	31.0	42.9	42.2	63.2	63.8	53.5	56.9	36.4	14.8
2000			20.5*	0.5*	44.0*	6.2	25.2	38.7	45.5	64.5	64.4	63.9	53.2	31.7	11.3
Other medical causes															
1995			193.7*	30.9*	202.5*	65.1	89.4	122.5	154.9	215.7	314.1	456.0	717.7	1050.0	2884.4
2000			171.4*	24.2*	161.7*	31.7	62.9	86.5	121.7	174.6	252.9	401.7	632.4	1088.0	2864.4
All non-medical causes															
1995			73.9*	40.7*	75.0*	73.0	84.0	61.0	56.1	76.3	79.4	95.6	143.3	237.9	659.3
2000			64.8*	33.0*	64.9*	62.9	73.4	76.3	62.3	63.3	60.5	55.3	118.8	217.9	618.6

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: DENMARK

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	520	85	3	0	82	4	6	38	9	260	118
35-69	Sm.	2034	822	624	62	136	367	35	446	-	364	-
	Total	6823 (30%)	3180 (26%)	711 (88%)	96 (65%)	2373 (6%)	452 (81%)	106 (33%)	1321 (34%)	221	1099 (33%)	444
70+	Sm.	3392	783	542	74	167	750	125	1195	-	539	-
	Total	24408 (14%)	4487 (17%)	640 (85%)	126 (59%)	3721 (4%)	989 (76%)	1267 (10%)	11558 (10%)	68	5073 (11%)	966
Any age	Sm.	5426	1605	1166	136	303	1117	160	1641	-	903	-
	Total	31751 (17%)	7752 (21%)	1354 (86%)	222 (61%)	6176 (5%)	1445 (77%)	1379 (12%)	12917 (13%)	298	6432 (14%)	1528
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	431	68	3	1	64	2	4	25	2	208	122
35-69	Sm.	1774	755	582	60	113	382	17	321	-	299	-
	Total	6089 (29%)	3007 (25%)	677 (86%)	98 (61%)	2232 (5%)	484 (79%)	52 (33%)	1035 (31%)	180	987 (30%)	344
70+	Sm.	4015	952	656	95	201	1134	100	1188	-	641	-
	Total	22763 (18%)	4571 (21%)	753 (87%)	150 (63%)	3668 (5%)	1427 (79%)	826 (12%)	9717 (12%)	45	5177 (12%)	1000
Any age	Sm.	5789	1707	1238	155	314	1516	117	1509	-	940	-
	Total	29283 (20%)	7646 (22%)	1433 (86%)	249 (62%)	5964 (5%)	1913 (79%)	882 (13%)	10777 (14%)	227	6372 (15%)	1466

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	2648.2	1177.7	1121.0	182.7	181.4	198.6	176.3	139.3	123.8	118.9	116.3	95.4	137.8
2000	2688.3	1152.9	1187.3	198.6	183.9	181.9	197.8	173.8	135.0	116.3	107.0	98.3	142.8
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	31751	520	6823	210	333	568	810	1013	1539	2350	3366	4346	16696
2000	29283	431	6089	156	244	454	763	1057	1385	2030	2904	4073	15786
Lung cancer													
1995	1354	3	711	3	27	46	84	125	181	245	236	202	202
2000	1433	3	677	4	19	30	83	134	171	236	250	252	251
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	700.1*	42.4*	713.0*	114.9	183.6	286.0	459.4	727.2	1243.1	1976.5	2894.2	4555.6	12116.1
2000	621.4*	36.9*	603.7*	78.5	132.7	249.6	385.7	608.2	1025.9	1745.5	2714.0	4143.4	11054.6
All cancer													
1995	209.0*	6.8*	329.3*	37.2	75.5	145.0	254.1	384.1	582.4	826.7	920.0	1204.4	1645.9
2000	196.6*	5.4*	295.9*	25.7	57.6	111.1	210.3	338.3	528.9	799.7	1004.7	1244.2	1591.7
Lung cancer													
1995	40.4*	0.2*	75.6*	1.6	14.9	23.2	47.6	89.7	146.2	206.1	202.9	211.7	146.6
2000	39.8*	0.2*	68.2*	2.0	10.3	16.5	42.0	77.1	126.7	202.9	233.6	256.4	175.8
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	6.1*	-	10.2*	0.5	1.1	2.5	7.9	14.4	18.6	26.1	28.4	31.4	45.7
2000	6.4*	0.1*	9.7*	0.5	-	5.5	5.6	12.7	18.5	24.9	35.5	40.7	50.4
Other cancer													
1995	162.5*	6.6*	243.5*	35.0	59.5	119.3	198.5	280.0	417.6	594.6	688.7	961.2	1453.6
2000	150.4*	5.1*	218.1*	23.2	47.3	89.1	162.8	248.6	383.7	571.8	735.5	947.1	1365.5
Chronic obstructive pulmonary disease (COPD)													
1995	36.5*	0.3*	51.2*	1.1	1.7	3.0	14.2	38.0	117.9	182.5	258.0	280.9	305.5
2000	45.2*	0.2*	52.6*	1.0	2.2	6.0	11.1	38.6	97.0	212.4	359.8	429.3	434.2
Other respiratory disease													
1995	24.6*	0.5*	10.8*	1.6	5.0	4.5	10.8	9.3	12.9	31.1	73.1	162.5	745.3
2000	14.9*	0.3*	5.2*	1.5	1.1	3.3	2.0	5.8	3.7	18.9	55.1	76.3	484.6
Vascular disease													
1995	243.0*	2.9*	145.7*	8.2	19.3	33.2	47.6	117.7	273.8	519.8	1000.0	1874.2	6246.0
2000	194.4*	2.1*	107.6*	8.6	18.5	30.8	49.5	71.3	203.7	370.6	754.2	1466.9	5229.7
Liver cirrhosis													
1995	10.3*	0.7*	21.0*	8.2	11.6	14.6	24.4	33.0	27.5	27.8	24.1	19.9	15.2
2000	7.5*	0.1*	15.7*	5.5	4.4	20.3	16.7	23.6	22.2	17.2	15.0	17.3	8.4
Other medical causes													
1995	139.0*	21.9*	113.5*	26.3	39.1	51.9	70.9	106.2	189.8	310.3	532.2	853.2	2641.5
2000	129.2*	18.2*	96.8*	15.1	25.0	44.5	66.7	103.6	141.5	281.2	459.8	770.1	2750.7
All non-medical causes													
1995	37.6*	9.4*	41.5*	32.3	31.4	33.7	37.4	38.8	38.8	78.2	86.8	160.4	516.7
2000	33.5*	10.5*	29.9*	21.1	23.9	33.5	29.3	27.0	28.9	45.6	65.4	139.4	555.3

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

DENMARK: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.8	– / 0.4	–
35–69	2.5 / 8.8	1.8 / 6.1	22 years
70+	4.1 / 18	4.0 / 23	8 years
All ages	6.5 / 28	5.8 / 29	13 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

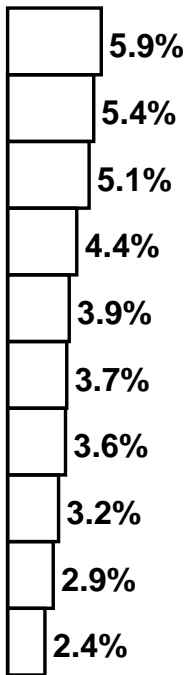
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	0.8/0.9	1.0/1.1	1.8/2.0	–/0.0	0.6/0.7	0.7/0.8	1.2/1.4
All Cancer	–/0.1	1.2/3.1 (40%)	1.6/4.6 (35%)	2.9/7.8	–/0.1	0.8/3.0 (25%)	1.0/4.6 (21%)	1.7/7.6
Vascular	–/0.0	0.5/2.3	0.9/7.4	1.5/9.8	–/0.0	0.3/1.0	1.2/9.7	1.5/11
Respiratory	–/0.0	0.3/0.4	1.1/2.0	1.4/2.4	–/0.0	0.4/0.5	1.2/2.3	1.6/2.8
All Other	–/0.7	0.4/2.9	0.4/4.1	0.8/7.7	–/0.3	0.3/1.5	0.6/6.2	0.9/8.1
All Causes	–/0.8	2.5/8.8 (28%)	4.1/18 (23%)	6.5/28	–/0.4	1.8/6.1 (29%)	4.0/23 (18%)	5.8/29

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	2.9 / 7.8 (37%)	1.7 / 7.6 (22%)	4.6 / 15 (30%)
All Causes	6.5 / 28 (24%)	5.8 / 29 (20%)	12 / 57 (22%)

1955-2000: DENMARK

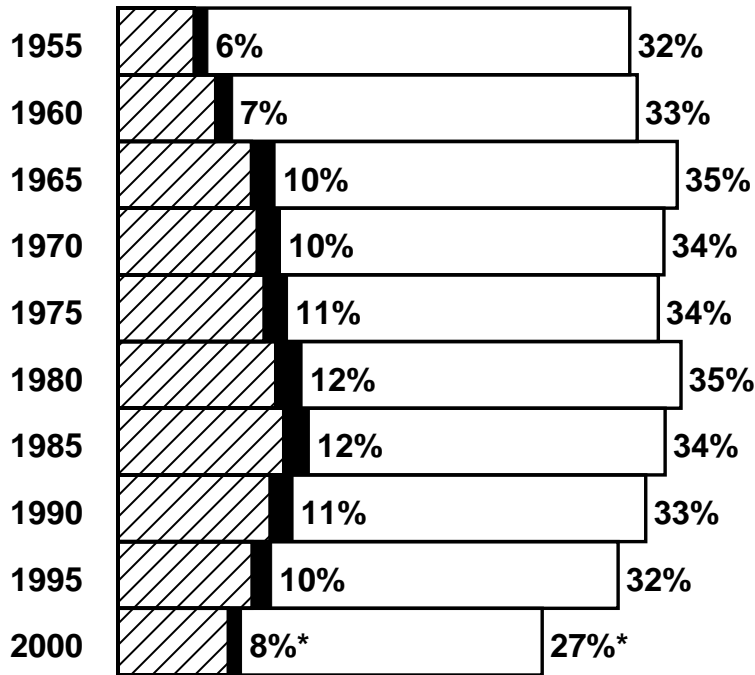
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

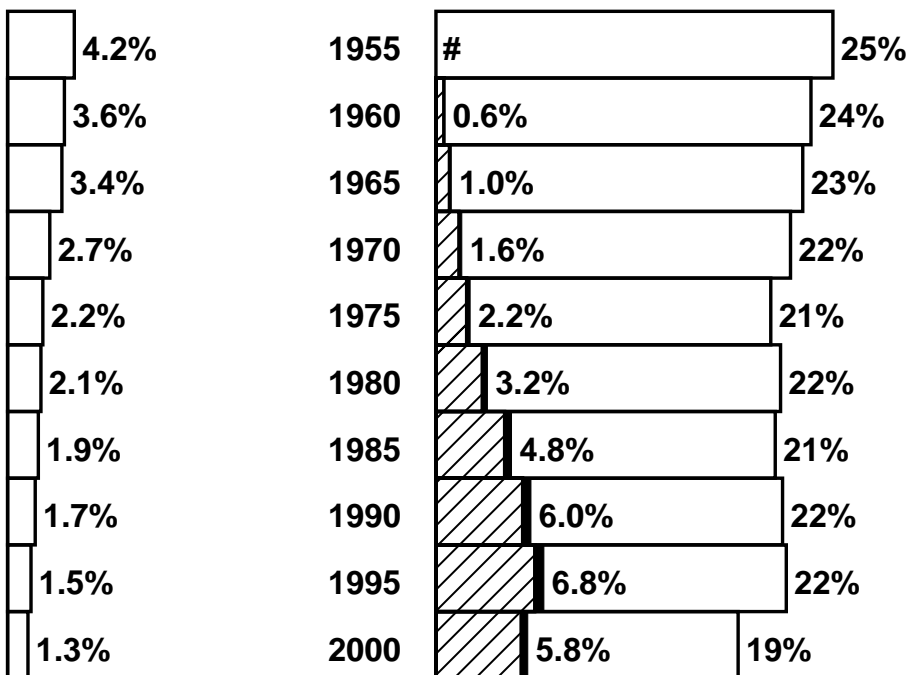
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 27 would die before age 70 (with 8 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

DENMARK: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/2.2	1.4/7.8 (18%)	0.4/10 (4%)	1.8/20	-/1.5	0.0/6.3	0.0/11	0.0/18
1960	-/2.0	2.0/8.6 (23%)	0.8/12 (6%)	2.7/23	-/1.2	0.1/6.4 (2%)	0.3/13 (2%)	0.4/21
1965	-/2.0	2.9/10 (28%)	1.4/14 (10%)	4.3/26	-/1.3	0.3/6.7 (4%)	0.3/14 (2%)	0.5/22
1970	-/1.7	3.0/10 (30%)	1.9/14 (13%)	4.9/26	-/1.0	0.5/6.8 (7%)	0.5/14 (3%)	1.0/22
1975	-/1.5	3.3/10 (31%)	2.7/16 (17%)	5.9/28	-/0.8	0.7/6.5 (10%)	0.6/16 (4%)	1.3/23
1980	-/1.4	3.6/11 (32%)	3.8/18 (21%)	7.3/30	-/0.7	1.0/6.7 (15%)	1.1/18 (6%)	2.1/26
1985	-/1.3	3.6/11 (34%)	4.2/18 (23%)	7.9/30	-/0.6	1.5/6.6 (22%)	1.7/21 (8%)	3.2/28
1990	-/1.2	3.3/10 (32%)	4.3/20 (22%)	7.6/31	-/0.6	1.8/6.8 (27%)	2.6/22 (11%)	4.4/30
1995	-/1.1	2.9/9.8 (30%)	4.6/20 (23%)	7.5/31	-/0.5	2.0/6.8 (30%)	3.4/24 (14%)	5.4/32
2000	-/0.8	2.5/8.8 (28%)	4.1/18 (23%)	6.5/28	-/0.4	1.8/6.1 (29%)	4.0/23 (18%)	5.8/29

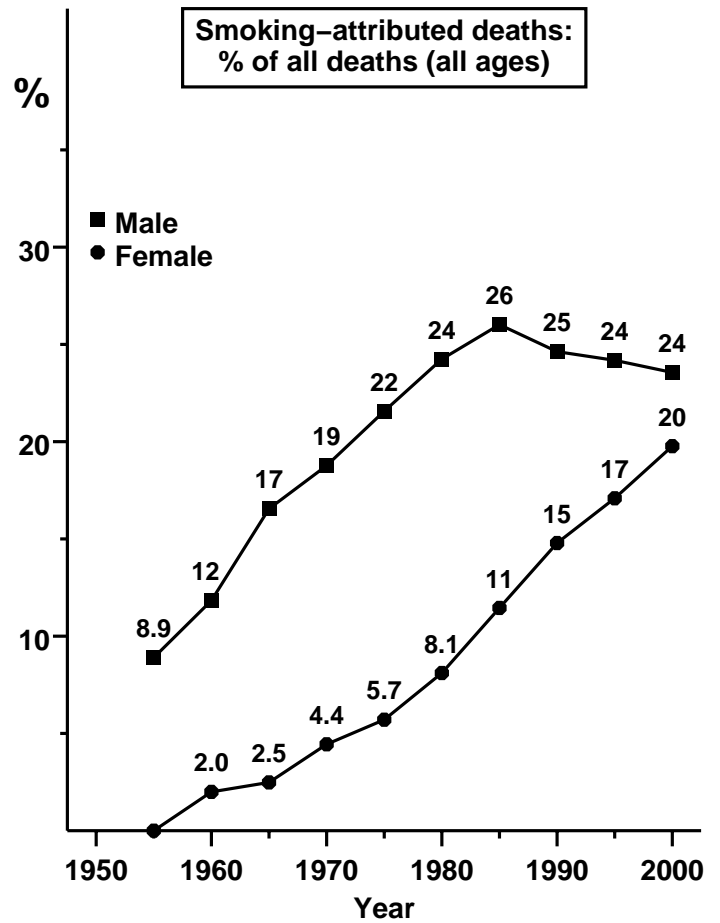
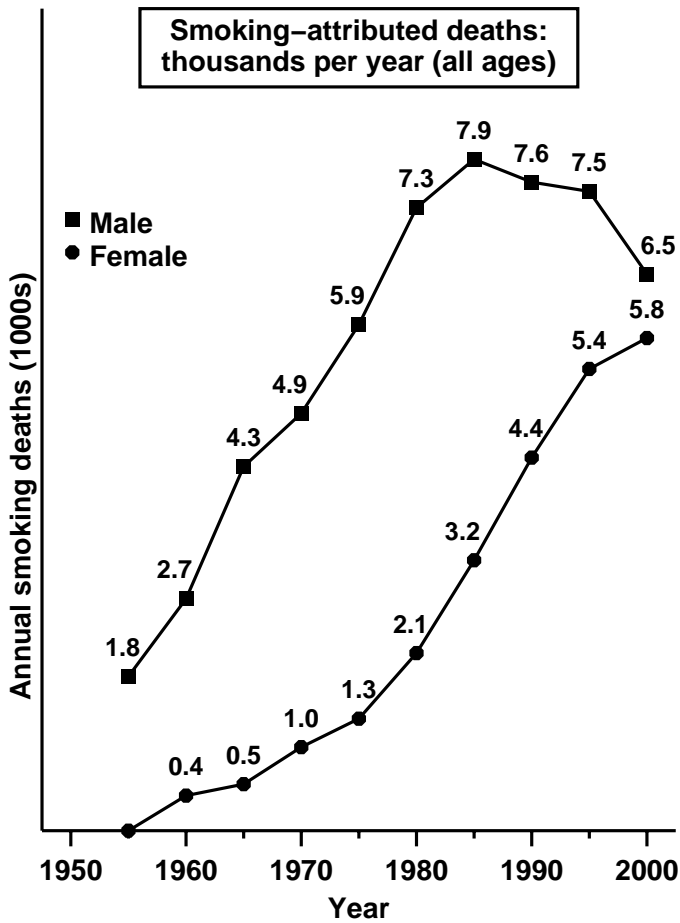
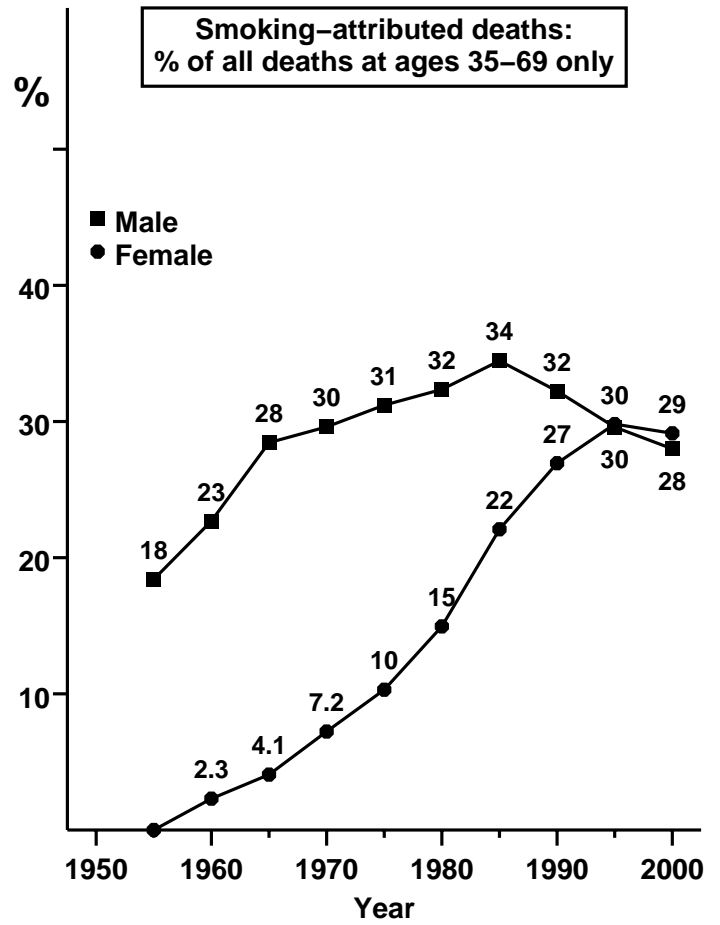
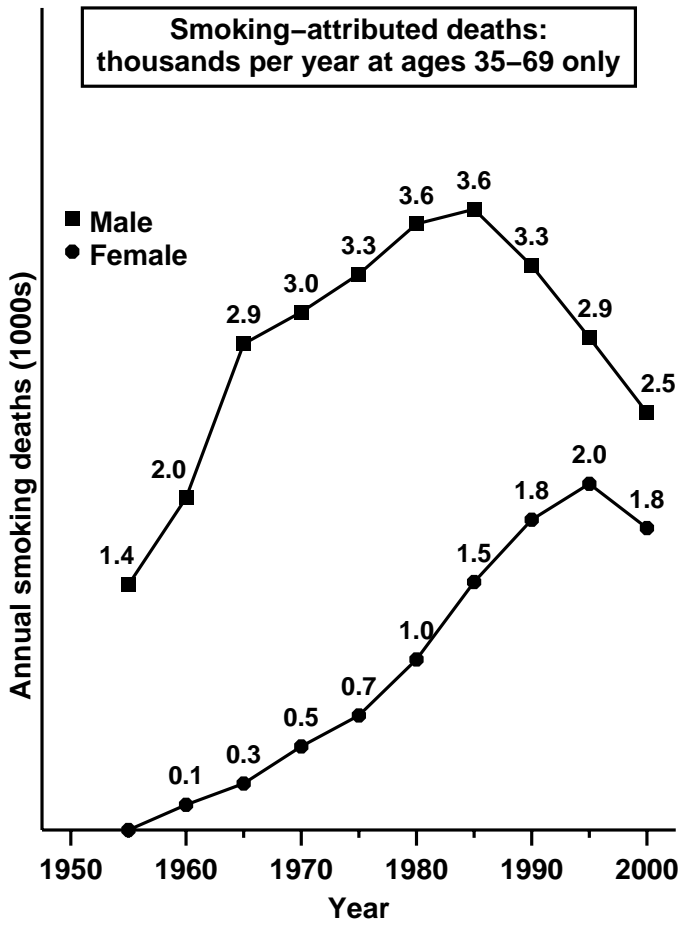
50-year total* (thousands), mid-1950 to mid-2000: 379 / 2582

1950-2000 by age & sex:

-/81	141/487 (29%)	133/784 (17%)	274/1352	-/47	44/329 (13%)	60/854 (7%)	105/1230
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*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

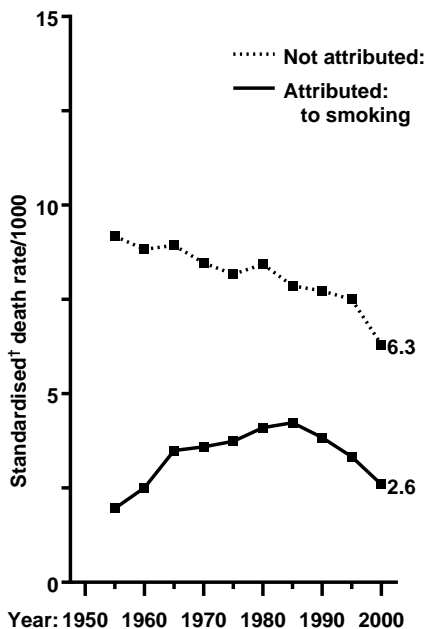
1955-2000: DENMARK



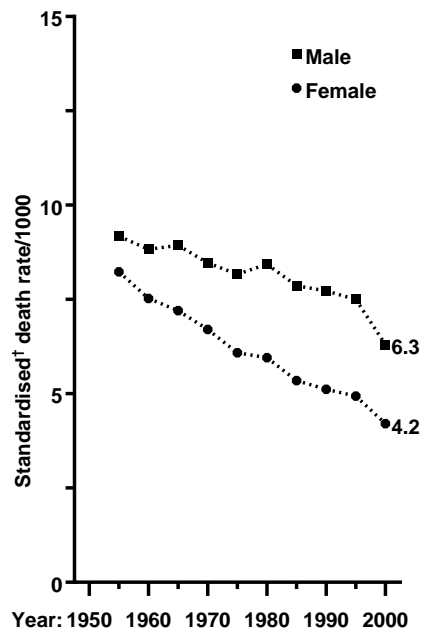
DENMARK: 1955-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

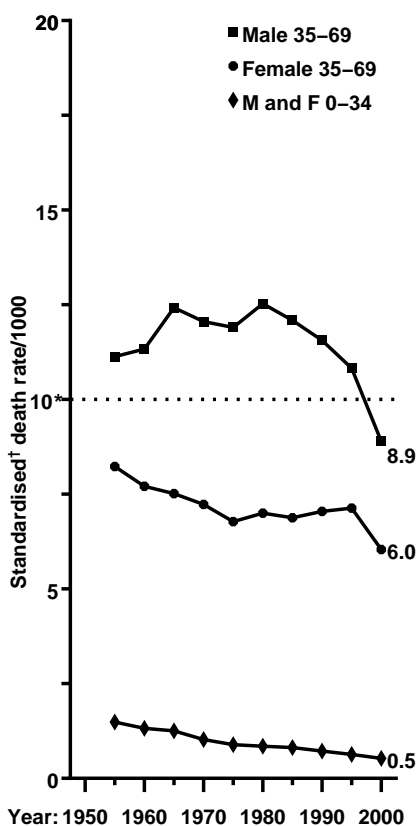
ALL-CAUSE mortality ages 35-69: MALE



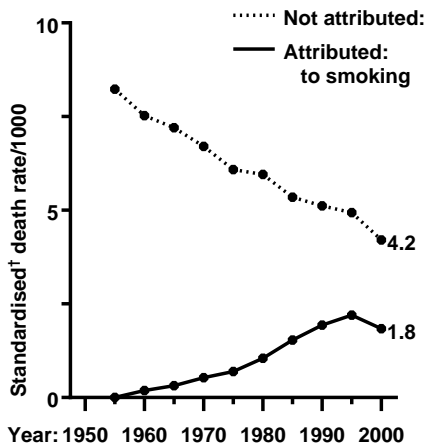
ALL-CAUSE mortality ages 35-69 NOT ATTRIBUTED TO SMOKING



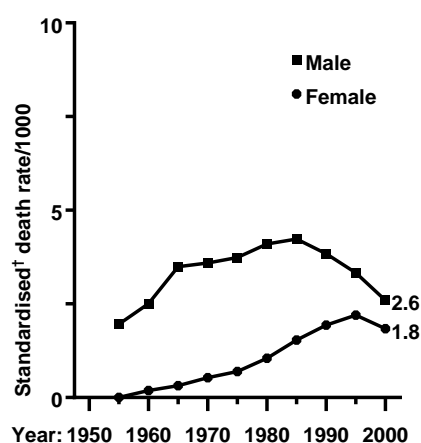
ALL-CAUSE mortality ages 35-69 & 0-34



ALL-CAUSE mortality ages 35-69: FEMALE



ALL-CAUSE mortality ages 35-69 ATTRIBUTED TO SMOKING



* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

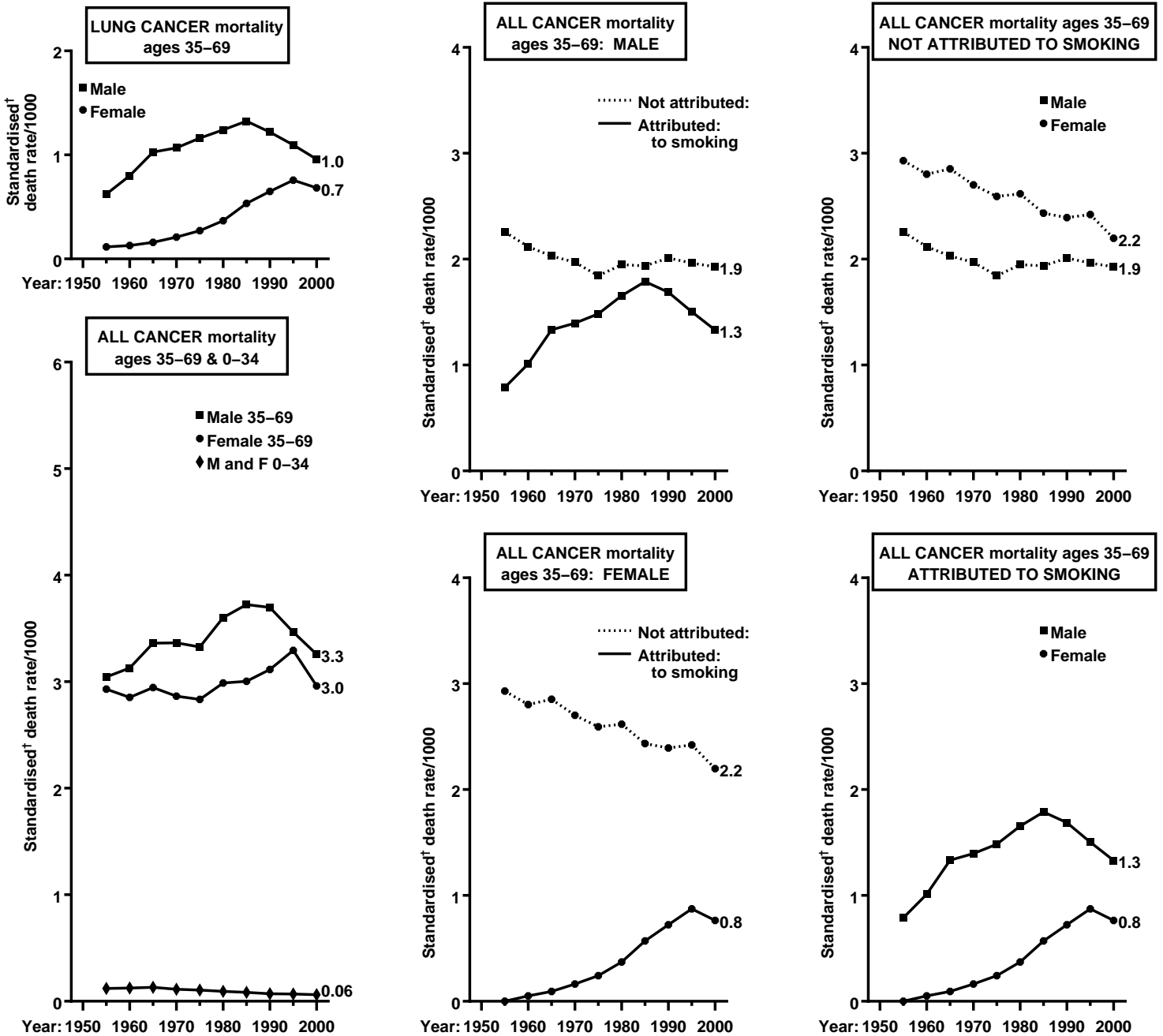
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?	0-34		35-69		70-79		Yes	No	Yes	No	Yes	No	Yes	No	
		Yes	No	Yes	No	Yes	No									
1950	
1955	-	1.74	1.96	9.17	2.64	61.2	-	1.23	0.00	8.23	0.00	55.1	1.38	54.0		
1960	-	1.59	2.50	8.82	4.91	62.5	-	1.04	0.18	7.52	1.34	50.2	1.83	42.0		
1965	-	1.51	3.49	8.93	8.51	60.1	-	0.99	0.31	7.20	2.00	37.4	2.84	34.4		
1970	-	1.27	3.59	8.46	10.4	55.4	-	0.77	0.53	6.70	2.84	34.4	4.23	32.0		
1975	-	1.13	3.73	8.16	13.5	52.4	-	0.64	0.69	6.08	5.70	30.3	7.47	29.8		
1980	-	1.09	4.10	8.43	16.7	51.8	-	0.61	1.05	5.95	8.88	25.4	1.83	4.20		
1985	-	1.06	4.23	7.86	17.0	48.1	-	0.56	1.53	5.34	4.23	32.0	1.83	4.20		
1990	-	0.93	3.83	7.72	17.8	47.8	-	0.50	1.93	5.11	5.70	30.3	1.83	4.20		
1995	-	0.83	3.33	7.50	17.3	46.1	-	0.42	2.20	4.93	7.47	29.8	1.83	4.20		
2000	-	0.68	2.59	6.30	14.6	39.5	-	0.37	1.83	4.20	8.88	25.4	1.83	4.20		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000: DENMARK

Trends in ALL CANCER mortality attributed and not attributed to smoking



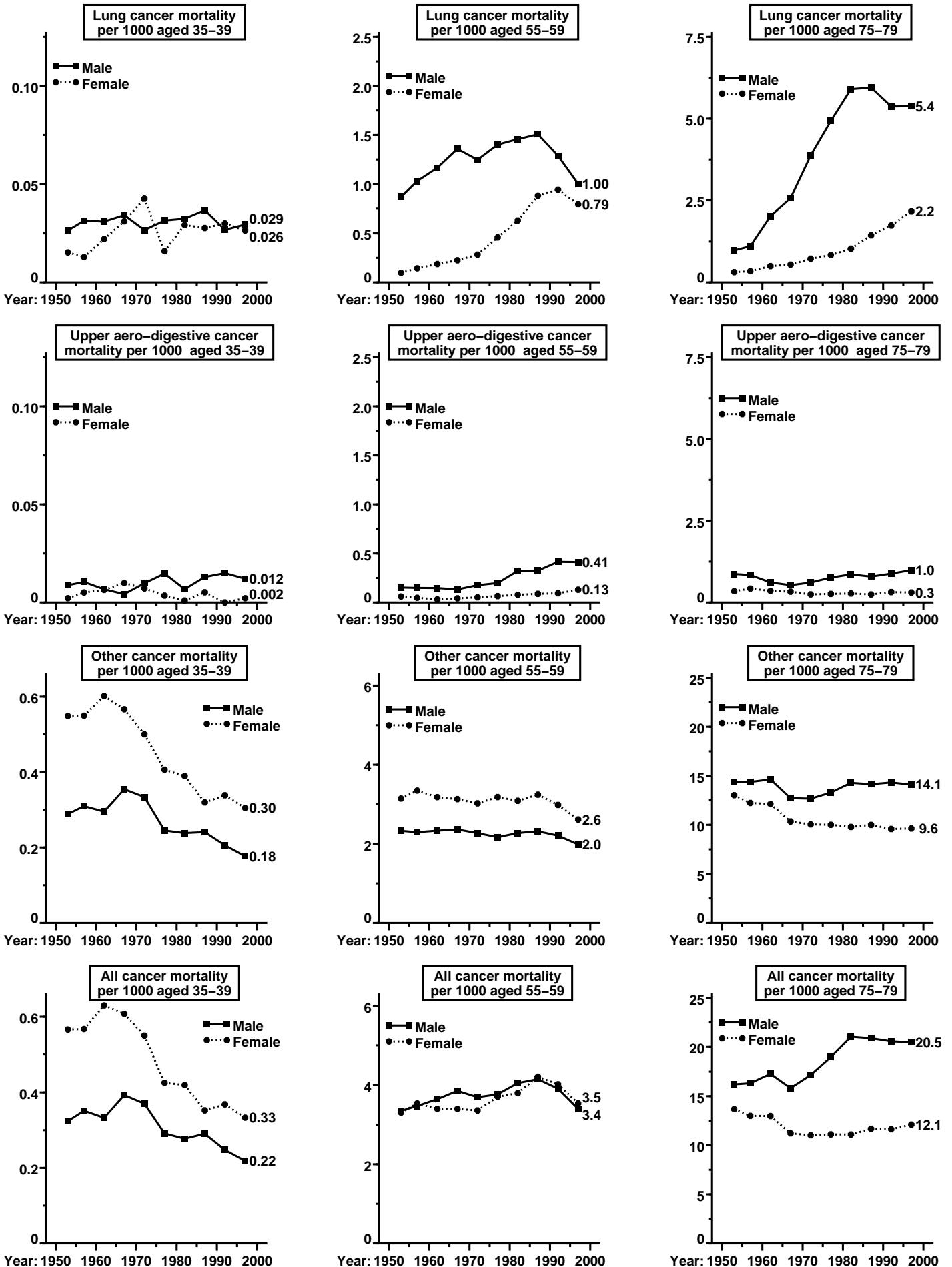
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	0.12	0.79	2.26	1.22	12.9	-	0.12	0.00	2.93	0.00	11.0	-	0.12	0.35	10.8
1960	-	0.13	1.01	2.12	2.06	12.2	-	0.12	0.05	2.80	0.34	10.5	-	0.12	0.34	10.5
1965	-	0.14	1.33	2.03	3.46	11.8	-	0.12	0.09	2.85	0.50	9.31	-	0.11	0.59	8.80
1970	-	0.11	1.39	1.97	4.03	10.3	-	0.11	0.16	2.70	0.90	9.09	-	0.10	0.90	9.09
1975	-	0.11	1.48	1.84	5.57	10.3	-	0.10	0.24	2.59	1.29	8.72	-	0.09	1.29	8.72
1980	-	0.09	1.65	1.95	7.16	11.1	-	0.09	0.37	2.62	1.85	8.61	-	0.08	1.85	8.61
1985	-	0.09	1.79	1.94	7.27	10.4	-	0.08	0.57	2.43	2.33	8.30	-	0.08	2.33	8.30
1990	-	0.08	1.69	2.01	7.25	11.0	-	0.06	0.72	2.39	2.86	8.38	-	0.07	2.86	8.38
1995	-	0.07	1.50	1.96	7.58	11.1	-	0.07	0.87	2.42			-	0.07		
2000	-	0.07	1.33	1.93	6.80	10.4	-	0.05	0.76	2.20			-	0.05		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

DENMARK: 1952-2000

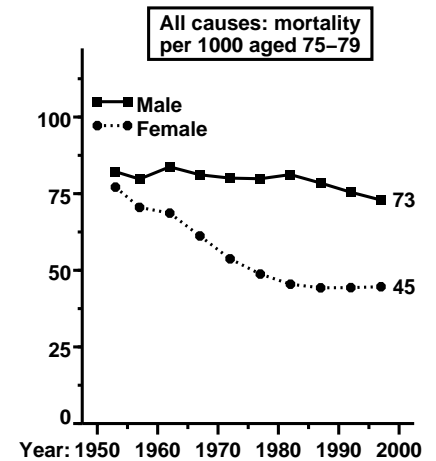
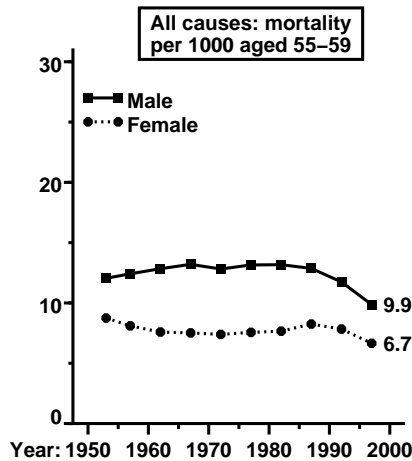
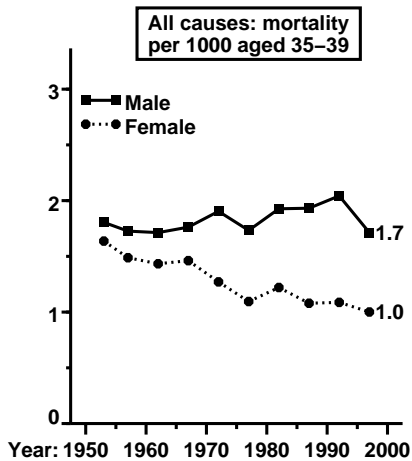
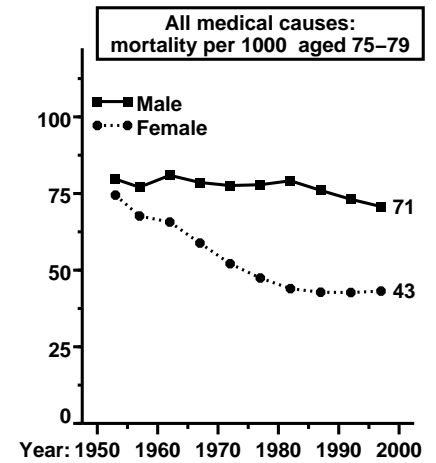
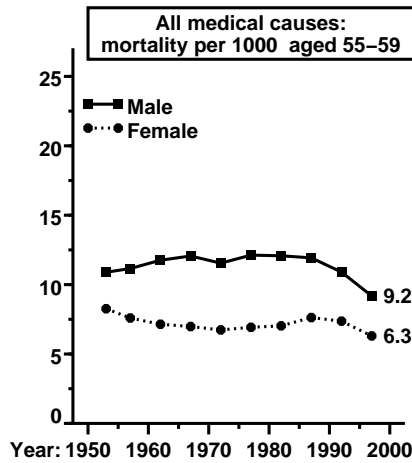
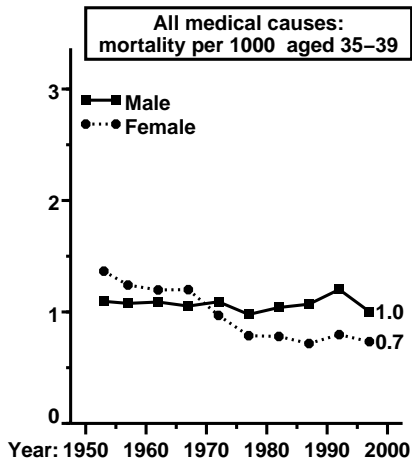
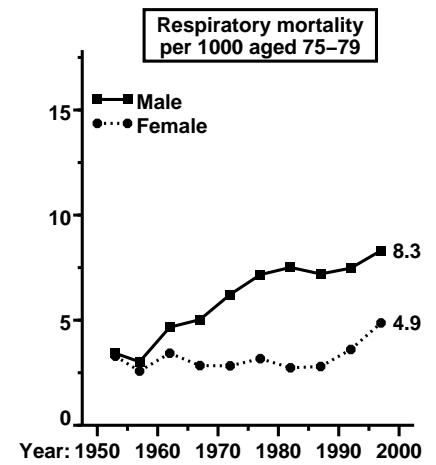
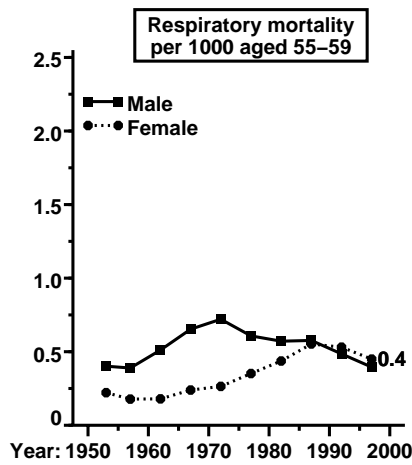
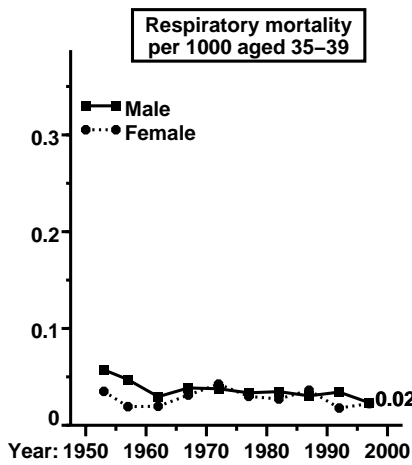
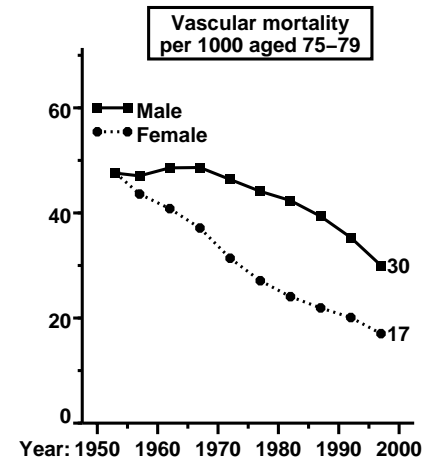
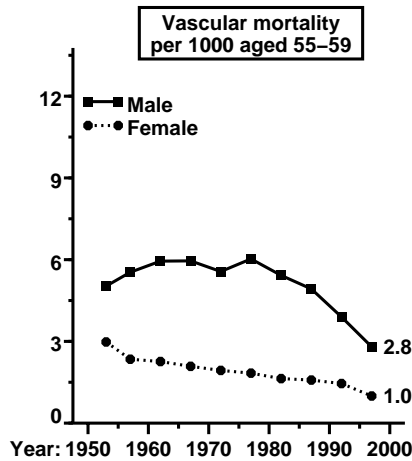
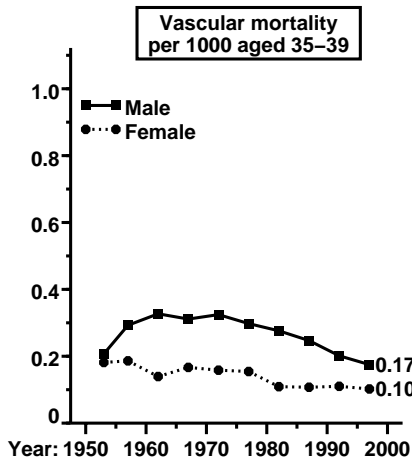
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1950–54,.....,1995–99; year 2000 on pages 152–153

1952-2000: DENMARK

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 152-153

ESTONIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	9265	546	4963	1596.4	179.8	2050.0	266.9	42.4	34.5	90.6	237.0	251.6	335.6
	F	9138	202	2315	787.9	72.6	734.3	194.5	31.5	17.2	41.2	49.7	65.5	108.4
Tuberculosis	M	84	9	70	13.5	2.9	25.7	-	-	-	-	4.2	-	16.1
	F	22	2	18	2.8	0.6	5.3	-	-	-	-	-	-	4.4
HIV	M	3	-	3	0.5	-	1.0	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	19	7	11	3.2	2.6	4.4	9.6	2.5	-	-	4.2	2.1	-
	F	19	3	9	2.2	1.3	2.9	6.8	-	-	-	2.2	-	-
ALL CANCER	M	1806	26	1025	298.4	8.5	451.5	9.6	5.0	3.6	1.9	14.6	6.3	18.4
	F	1559	22	737	150.9	7.2	232.9	6.8	2.6	-	2.0	4.3	8.5	26.5
Mouth and pharynx cancer	M	81	-	59	13.5	-	24.5	-	-	-	-	-	-	-
	F	18	-	9	1.7	-	2.9	-	-	-	-	-	-	-
Oesophagus cancer	M	38	-	25	6.4	-	10.3	-	-	-	-	-	-	-
	F	5	-	-	0.4	-	-	-	-	-	-	-	-	-
Stomach cancer	M	206	1	113	33.8	0.3	49.9	-	-	-	-	-	-	2.3
	F	161	1	58	14.2	0.3	18.3	-	-	-	-	-	2.1	-
Colorectal cancer	M	159	-	77	26.9	-	35.0	-	-	-	-	-	-	-
	F	204	-	74	17.7	-	23.8	-	-	-	-	-	-	-
Liver cancer	M	52	1	34	8.6	0.5	15.1	3.2	-	-	-	-	-	-
	F	41	-	19	3.9	-	6.2	-	-	-	-	-	-	-
Pancreas cancer	M	87	1	58	14.4	0.3	24.7	-	-	-	-	-	-	2.3
	F	83	-	39	7.7	-	12.6	-	-	-	-	-	-	-
Larynx cancer	M	32	-	21	5.2	-	9.2	-	-	-	-	-	-	-
	F	2	-	2	0.2	-	0.6	-	-	-	-	-	-	-
Lung cancer	M	566	1	362	89.8	0.3	162.3	-	-	-	-	-	2.1	-
	F	121	-	45	10.8	-	14.5	-	-	-	-	-	-	-
Malignant melanoma	M	16	1	7	2.6	0.3	3.1	-	-	-	-	-	-	2.3
	F	35	-	18	3.3	-	5.7	-	-	-	-	-	-	-
Female breast cancer	F	277	5	183	30.7	1.6	56.6	-	-	-	-	-	-	11.1
Cervix cancer	F	67	2	37	6.9	0.6	11.3	-	-	-	-	-	-	4.4
Other uterine cancer	F	70	-	33	6.6	-	10.3	-	-	-	-	-	-	-
Ovarian cancer	F	111	-	66	11.5	-	21.1	-	-	-	-	-	-	-
Prostate cancer	M	180	-	50	32.8	-	23.7	-	-	-	-	-	-	-
Bladder cancer	M	54	-	19	9.3	-	8.9	-	-	-	-	-	-	-
	F	28	-	5	2.3	-	1.6	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	243	14	152	40.2	4.6	63.8	6.4	2.5	1.8	-	10.4	4.2	6.9
	F	231	9	105	22.5	3.0	33.5	3.4	2.6	-	-	4.3	2.1	8.8
Hodgkin's disease	M	2	1	1	0.3	0.3	0.4	-	-	-	-	-	-	2.3
	F	3	1	1	0.3	0.3	0.3	-	-	-	-	-	2.1	-
Myeloma and non- Hodgkin lymphomas	M	45	-	28	7.2	-	12.1	-	-	-	-	-	-	-
	F	60	-	25	5.5	-	7.8	-	-	-	-	-	-	-
Leukaemia	M	45	6	19	7.5	1.8	8.4	-	2.5	1.8	1.9	4.2	-	2.3
	F	48	4	18	4.7	1.4	5.8	3.4	-	-	2.0	-	2.1	2.2
Diabetes	M	55	1	32	9.3	0.3	13.9	-	-	-	-	-	-	2.1
	F	71	4	30	6.5	1.3	9.5	-	-	-	-	-	-	8.8
ALL VASCULAR DISEASE	M	4296	24	1987	760.0	7.5	854.6	-	-	1.8	-	8.3	16.9	25.3
	F	5686	10	938	446.6	3.2	302.3	3.4	-	1.9	2.0	-	8.5	6.6
Rheumatic heart disease and fever	M	24	-	22	3.8	-	9.2	-	-	-	-	-	-	-
	F	40	2	21	3.9	0.6	6.7	-	-	-	-	-	2.1	2.2
Hypertensive disease	M	133	1	78	22.4	0.3	34.1	-	-	-	-	-	2.1	-
	F	199	-	53	16.4	-	17.3	-	-	-	-	-	-	-
Ischaemic heart disease	M	2576	7	1097	462.7	2.3	478.8	-	-	-	-	2.1	-	13.8
	F	3364	2	448	258.0	0.6	146.0	-	-	1.9	-	-	-	2.2
Pulmonary embolism and other venous	M	26	-	21	4.0	-	8.9	-	-	-	-	-	-	-
	F	42	-	12	3.7	-	3.7	-	-	-	-	-	-	-
Cerebrovascular disease	M	1112	6	460	196.5	1.9	201.2	-	-	-	-	-	6.3	6.9
	F	1792	2	287	140.3	0.8	92.3	3.4	-	-	2.0	-	-	-
Other vascular disease	M	425	10	309	70.6	3.0	122.3	-	-	1.8	-	6.2	8.5	4.6
	F	249	4	117	24.2	1.2	36.3	-	-	-	-	-	6.3	2.2
Chronic obstructive pulmonary disease	M	160	1	63	26.9	0.3	29.0	-	-	-	1.9	-	-	-
	F	69	1	18	5.7	0.3	5.8	-	-	-	-	-	2.1	-
Other respiratory disease	M	273	10	204	46.0	3.4	78.4	6.4	-	-	-	2.1	6.3	9.2
	F	107	9	43	11.3	3.7	13.5	17.1	2.6	-	-	2.2	2.1	2.2
Peptic ulcer	M	54	-	39	9.0	-	16.6	-	-	-	-	-	-	-
	F	28	-	9	2.5	-	2.8	-	-	-	-	-	-	-
Liver cirrhosis	M	171	8	145	27.7	2.6	55.2	-	-	-	-	2.1	2.1	13.8
	F	95	1	72	11.1	0.3	22.1	-	-	-	-	-	2.1	-
Renal disease	M	53	1	25	9.2	0.3	11.2	-	-	-	-	-	-	2.3
	F	91	1	27	7.6	0.4	8.7	-	2.6	-	-	-	-	-
Pregnancy, birth congenital and perinatal causes	F	5	3	2	0.7	0.9	0.6	-	-	-	2.0	2.2	-	2.2
	M	59	55	4	14.2	24.4	1.7	160.8	2.5	3.6	1.9	-	2.1	-
	F	46	39	4	10.8	18.2	1.2	116.0	5.2	-	-	2.2	4.2	-
Ill-defined causes	M	288	13	114	56.4	4.1	44.1	3.2	-	1.8	1.9	10.4	2.1	9.2
	F	534	3	28	39.9	1.1	9.1	3.4	-	-	-	-	2.1	2.2
Other medical causes	M	335	24	191	56.9	8.1	75.0	16.1	5.0	3.6	1.9	6.2	14.8	9.2
	F	323	12	115	30.3	3.8	36.5	3.4	2.6	5.7	3.9	2.2	2.1	6.6
ALL NON- MEDICAL CAUSES	M	1609	367	1050	265.2	114.8	387.8	61.1	27.4	20.0	81.1	185.0	196.6	232.2
	F	483	92	265	58.9	30.2	81.0	37.5	15.7	9.5	31.4	34.6	33.8	48.7
Motor vehicle traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	104	14	71	17.6	4.9	27.7	9.6	7.5	1.8	-	4.2	2.1	9.2
	F	47	7	22	5.7	2.7	6.6	10.2	2.6	1.9	-	-	-	4.4
Suicide	M	289	68	194	46.1	20.5	69.6	-	-	-	24.5	35.3	46.5	36.8
	F	88	18	46	10.1	5.3	14.2	-	-	1.9	9.8	2.2	16.9	6.6
Homicide	M	156	51	92	25.3	15.9	33.5	3.2	5.0	-	11.3	14.6	38.1	39.1
	F	34	9	16	4.3	2.9	4.7	3.4	-	-	2.0	6.5	6.3	2.2
POPULATION: (1000s; UN, 2002 revision)			M=male		630.1	318.2	271.6	31.1	40.1	55.1	53.0	48.1	47.3	43.5
			F=female		736.9	309.6	330.3	29.3	38.1	52.4	51.0	46.3	47.3	45.2

2000: ESTONIA

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
480.7	909.1	1290.5	1677.7	2271.6	3297.7	4422.8	6328.6	8233.6	18397.6	M	ALL CAUSES	001-999/A00-Y89
165.3	240.8	429.1	560.8	902.4	1051.9	1790.0	3205.0	5288.7	13620.1	F		
21.5	25.4	29.3	30.7	27.8	23.1	22.1	14.1	-	24.1	M	Tuberculosis	010-018, 137/ A15-A19, B90
6.0	9.6	7.9	4.3	-	2.1	7.2	-	-	7.2	F		
2.1	-	2.3	-	-	2.9	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
-	2.1	6.8	-	3.1	11.6	7.4	4.7	-	-	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
-	-	-	-	7.3	8.3	4.8	7.5	6.9	7.2	F		
34.3	59.2	139.6	266.0	527.8	861.3	1272.1	1732.4	1962.6	2120.5	M	ALL CANCER	140-208/C00-C97
42.3	82.9	131.9	230.3	319.5	348.5	474.9	705.0	838.5	982.1	F		
4.3	2.1	4.5	28.1	43.2	63.6	25.7	51.6	46.7	72.3	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	-	4.3	4.9	6.2	4.8	7.5	6.9	14.3	F		
2.1	2.1	2.3	12.8	21.6	20.2	11.0	28.2	37.4	36.1	M	Oesophagus cancer	150/C15
-	-	-	-	-	-	-	7.5	-	7.2	F		
-	6.3	18.0	35.8	64.8	80.9	143.4	239.4	224.3	204.8	M	Stomach cancer	151/C16
4.0	11.6	9.8	8.5	14.6	29.0	50.1	87.5	113.4	121.9	F		
2.1	6.3	4.5	7.7	30.9	72.3	121.3	150.2	243.0	289.2	M	Colorectal cancer	153, 154/C18-C21
2.0	3.9	7.9	10.7	24.4	41.5	76.4	102.5	116.8	197.1	F		
-	-	4.5	2.6	21.6	40.5	36.8	28.2	74.8	36.1	M	Liver cancer	155.0, 155.1/C22
-	-	-	6.4	14.6	8.3	14.3	17.5	20.6	32.3	F		
2.1	2.1	15.8	23.0	18.5	49.1	62.5	51.6	84.1	96.4	M	Pancreas cancer	157/C25
-	-	5.9	10.7	14.6	18.7	38.2	35.0	51.5	53.8	F		
-	-	4.5	5.1	21.6	14.5	18.4	37.6	18.7	12.0	M	Larynx cancer	161/C32
-	-	2.0	-	-	-	2.4	-	-	-	F		
2.1	14.8	42.8	92.1	166.7	306.4	511.0	600.9	495.3	265.1	M	Lung cancer	162/C33, C34
2.0	5.8	2.0	12.8	22.0	16.6	40.6	77.5	110.0	46.6	F		
-	2.1	2.3	2.6	-	-	14.7	18.8	28.0	12.0	M	Malignant melanoma	172/C43
-	-	3.9	6.4	4.9	8.3	16.7	17.5	24.1	10.8	F		
12.1	30.8	61.0	72.5	80.5	74.7	64.4	90.0	79.0	107.5	F	Female breast cancer	174/C50
8.1	7.7	11.8	17.1	17.1	12.4	4.8	20.0	20.6	28.7	F	Cervix cancer	180/C53
4.0	3.9	3.9	10.7	9.8	20.7	19.1	35.0	34.4	46.6	F	Other uterine cancer	179, 182/C54, C55
2.0	13.5	3.9	17.1	48.8	29.0	33.4	27.5	58.4	60.9	F	Ovarian cancer	183.0/C56
-	-	-	2.6	18.5	49.1	95.6	197.2	327.1	638.6	M	Prostate cancer	185/C61
-	-	-	-	15.4	17.3	29.4	65.7	121.5	96.4	M	Bladder cancer	188/C67
-	1.9	-	-	4.9	2.1	2.4	7.5	24.1	46.6	F		
19.3	14.8	29.3	51.2	86.4	109.8	136.0	183.1	158.9	253.0	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
2.0	1.9	11.8	40.5	46.3	58.1	74.0	97.5	137.5	136.2	F		
-	-	-	-	3.1	-	-	-	-	-	M	Hodgkin's disease	201/C81
-	-	-	-	-	2.1	-	-	-	3.6	F		
-	6.3	4.5	2.6	15.4	23.1	33.1	46.9	46.7	24.1	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
4.0	1.9	5.9	4.3	7.3	16.6	14.3	42.5	17.2	46.6	F		
2.1	2.1	6.8	-	-	14.5	33.1	32.9	56.1	84.3	M	Leukaemia	204-208/C91-C95
2.0	-	2.0	8.5	4.9	4.1	19.1	32.5	24.1	21.5	F		
-	4.2	6.8	23.0	3.1	8.7	51.5	42.3	56.1	84.3	M	Diabetes	250/E10-E14
2.0	-	3.9	2.1	4.9	24.9	28.6	40.0	44.7	28.7	F		
81.5	217.8	409.9	570.3	975.3	1502.9	2224.3	3615.0	5074.8	11710.8	M	ALL VASCULAR DISEASE	390-459/I00-I99
26.2	55.9	104.3	159.9	309.8	462.7	997.6	2085.0	3817.9	10010.8	F		
2.1	6.3	2.3	2.6	18.5	14.5	18.4	9.4	-	-	M	Rheumatic heart disease and fever	390-398/I00-I09
2.0	-	2.0	4.3	7.3	12.4	19.1	20.0	10.3	21.5	F		
2.1	10.6	18.0	15.3	34.0	52.0	106.6	108.0	102.8	241.0	M	Hypertensive disease	401-405/I10-I15
-	1.9	2.0	6.4	24.4	29.0	57.3	82.5	175.3	222.2	F		
32.2	105.7	164.4	268.5	601.9	896.0	1283.1	2197.2	3186.9	7988.0	M	Ischaemic heart disease	410-414/I20-I25
6.0	13.5	33.5	57.6	139.0	213.7	558.5	1190.0	2147.8	6498.2	F		
-	4.2	9.0	5.1	3.1	11.6	29.4	18.8	-	12.0	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
2.0	1.9	7.9	4.3	2.4	-	7.2	30.0	30.9	32.3	F		
17.2	29.6	85.6	125.3	188.3	381.5	580.9	1084.5	1486.0	3084.3	M	Cerebrovascular disease	430-438/I60-I69
10.1	9.6	31.5	61.8	85.4	147.3	300.7	695.0	1340.2	2992.8	F		
27.9	61.3	130.6	153.5	129.6	147.4	205.9	197.2	299.1	385.5	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
6.0	28.9	27.6	25.6	51.2	60.2	54.9	67.5	113.4	243.7	F		
-	2.1	-	15.3	21.6	60.7	102.9	211.3	261.7	277.1	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
4.0	1.9	3.9	-	4.9	2.1	23.9	20.0	61.9	86.0	F		
25.8	63.4	85.6	94.6	77.2	95.4	106.6	84.5	121.5	337.3	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
4.0	7.7	7.9	12.8	19.5	16.6	26.3	27.5	51.5	103.9	F		
2.1	8.5	11.3	7.7	30.9	11.6	44.1	28.2	56.1	36.1	M	Peptic ulcer	531-533/K25-K27
-	3.9	2.0	4.3	-	-	9.5	7.5	10.3	46.6	F		
21.5	42.3	45.0	92.1	55.6	75.1	55.1	46.9	46.7	36.1	M	Liver cirrhosis	571/K70, K74
6.0	13.5	35.4	14.9	39.0	29.0	16.7	30.0	17.2	17.9	F		
2.1	-	4.5	10.2	6.2	11.6	44.1	51.6	37.4	144.6	M	Renal disease	580-590/N00-N19
2.0	1.9	2.0	2.1	4.9	12.4	35.8	25.0	61.9	125.4	F		
4.0	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
-	2.1	2.3	-	-	-	7.4	-	-	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
-	3.9	-	-	2.4	-	2.4	2.5	3.4	3.6	F		
17.2	29.6	49.5	48.6	30.9	66.5	66.2	84.5	102.8	1590.4	M	Ill-defined causes	780-799/R00-R99
2.0	1.9	5.9	-	17.1	10.4	26.3	37.5	85.9	1659.5	F		
36.5	50.7	67.6	71.6	61.7	101.2	136.0	220.7	252.3	554.2	M	Other medical causes	Rest of 001-799/ rest of A00-R99
10.1	3.9	33.5	34.1	63.4	43.6	66.8	127.5	202.7	308.2	F		
236.1	401.7	430.2	447.6	450.6	465.3	283.1	192.5	261.7	1481.9	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
56.5	53.9	90.6	95.9	109.8	91.3	69.2	90.0	85.9	233.0	F		
...	...	...	...	...	...	...	...	...	...	M	Motor vehicle traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
12.9	23.3	22.5	30.7	18.5	34.7	51.5	23.5	18.7	144.6	M	Fire	E890-E899/X00-X09
2.0	3.9	9.8	12.8	7.3	8.3	2.4	12.5	10.3	35.8	F		
38.6	95.1	103.6	69.1	83.3	60.7	36.8	37.6	102.8	96.4	M	Suicide	E950-E959/X60-X84
10.1	11.6	11.8	10.7	14.6	14.5	26.3	35.0	10.3	25.1	F		
30.0	40.2	31.5	35.8	34.0	37.6	25.7	9.4	-	132.5	M	Homicide	E960-E969/ X85-X99, Y00-Y09
2.0	5.8	13.8	2.1	4.9	2.1	2.4	5.0	-	25.1	F		
46.6	47.3	44.4	39.1	32.4	34.6	27.2	21.3	10.7	8.3	M	POPULATION	
49.6	51.9	50.8	46.9	41.0	48.2	41.9	40.0	29.1	27.9	F	(1000s; UN, 2002 revision)	

ESTONIA: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	918	37	0	1	36	0	16	50	5	203	607
35-69	Sm.	2188	675	430	97	148	95	89	1076	-	253	-
	Total	6383 (34%)	1208 (56%)	449 (96%)	129 (75%)	630 (23%)	112 (85%)	204 (44%)	2654 (41%)	96	582 (43%)	1527
70+	Sm.	611	224	150	20	54	55	5	293	-	34	-
	Total	3532 (17%)	591 (38%)	163 (92%)	34 (59%)	394 (14%)	75 (73%)	36 (14%)	2330 (13%)	12	333 (10%)	155
Any age	Sm.	2799	899	580	117	202	150	94	1369	-	287	-
	Total	10833 (26%)	1836 (49%)	612 (95%)	164 (71%)	1060 (19%)	187 (80%)	256 (37%)	5034 (27%)	113	1118 (26%)	2289
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	546	26	1	0	25	1	10	24	8	110	367
35-69	Sm.	1557	532	344	73	115	54	77	712	-	182	-
	Total	4963 (31%)	1025 (52%)	362 (95%)	105 (70%)	558 (21%)	63 (86%)	204 (38%)	1987 (36%)	145	489 (37%)	1050
70+	Sm.	763	292	188	29	75	73	8	341	-	49	-
	Total	3756 (20%)	755 (39%)	203 (93%)	46 (63%)	506 (15%)	96 (76%)	59 (14%)	2285 (15%)	18	351 (14%)	192
Any age	Sm.	2320	824	532	102	190	127	85	1053	-	231	-
	Total	9265 (25%)	1806 (46%)	566 (94%)	151 (68%)	1089 (17%)	160 (79%)	273 (31%)	4296 (25%)	171	950 (24%)	1609

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)														
1995		670.0	348.8	286.9	51.8	49.2	43.5	37.9	40.8	35.3	28.4	15.8	8.5	10.0
2000		630.1	318.2	271.6	46.6	47.3	44.4	39.1	32.4	34.6	27.2	21.3	10.7	8.3
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		10833	918	6383	419	557	655	815	1194	1318	1425	1040	797	1695
2000		9265	546	4963	224	430	573	656	736	1141	1203	1348	881	1527
Lung cancer														
1995		612	-	449	1	10	21	49	90	134	144	108	31	24
2000		566	1	362	1	7	19	36	54	106	139	128	53	22
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)														
All causes														
1995		1817.0*	274.2*	2467.8*	808.9	1132.1	1505.7	2150.4	2926.5	3733.7	5017.6	6582.3	9376.5	16950.0
2000		1596.4*	179.8*	2050.0*	480.7	909.1	1290.5	1677.7	2271.6	3297.7	4422.8	6328.6	8233.6	18397.6
All cancer														
1995		305.1*	10.7*	493.7*	44.4	77.2	179.3	358.8	605.4	926.3	1264.1	1778.5	1670.6	1680.0
2000		298.4*	8.5*	451.5*	34.3	59.2	139.6	266.0	527.8	861.3	1272.1	1732.4	1962.6	2120.5
Lung cancer														
1995		99.1*	-	186.7*	1.9	20.3	48.3	129.3	220.6	379.6	507.0	683.5	364.7	240.0
2000		89.8*	0.3*	162.3*	2.1	14.8	42.8	92.1	166.7	306.4	511.0	600.9	495.3	265.1
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		26.7*	0.3*	49.8*	5.8	10.2	50.6	63.3	66.2	68.0	84.5	126.6	35.3	110.0
2000		25.0*	-	44.0*	6.4	4.2	11.3	46.0	86.4	98.3	55.1	117.4	102.8	120.5
Other cancer														
1995		179.3*	10.4*	257.1*	36.7	46.7	80.5	166.2	318.6	478.8	672.5	968.4	1270.6	1330.0
2000		183.6*	8.2*	245.2*	25.8	40.2	85.6	127.9	274.7	456.6	705.9	1014.1	1364.5	1734.9
Chronic obstructive pulmonary disease (COPD)														
1995		31.7*	-	47.3*	1.9	2.0	11.5	15.8	58.8	96.3	144.4	221.5	258.8	180.0
2000		26.9*	0.3*	29.0*	-	2.1	-	15.3	21.6	60.7	102.9	211.3	261.7	277.1
Other respiratory disease														
1995		41.0*	4.9*	75.6*	23.2	52.8	62.1	87.1	107.8	90.7	105.6	50.6	105.9	190.0
2000		46.0*	3.4*	78.4*	25.8	63.4	85.6	94.6	77.2	95.4	106.6	84.5	121.5	337.3
Vascular disease														
1995		880.7*	14.8*	1077.1*	115.8	298.8	446.0	841.7	1201.0	1844.2	2792.3	3936.7	6188.2	11820.0
2000		760.0*	7.5*	854.6*	81.5	217.8	409.9	570.3	975.3	1502.9	2224.3	3615.0	5074.8	11710.8
Liver cirrhosis														
1995		17.8*	1.5*	34.2*	9.7	28.5	46.0	29.0	58.8	42.5	24.6	25.3	47.1	40.0
2000		27.7*	2.6*	55.2*	21.5	42.3	45.0	92.1	55.6	75.1	55.1	46.9	46.7	36.1
Other medical causes														
1995		191.1*	65.4*	215.1*	98.5	119.9	206.9	208.4	291.7	277.6	302.8	291.1	776.5	2210.0
2000		172.1*	42.8*	193.6*	81.5	122.6	180.2	191.8	163.6	237.0	378.7	446.0	504.7	2433.7
All non-medical causes														
1995		349.5*	176.8*	524.9*	515.4	552.8	554.0	609.5	602.9	456.1	383.8	278.5	329.4	830.0
2000		265.2*	114.8*	387.8*	236.1	401.7	430.2	447.6	450.6	465.3	283.1	192.5	261.7	1481.9

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: ESTONIA

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	291	30	0	0	30	2	18	11	2	105	123
35-69	Sm.	157	40	30	5	5	11	1	90	-	15	-
	Total	2854 (6%)	751 (5%)	62 (48%)	22 (23%)	667 (1%)	32 (34%)	50 (2%)	1264 (7%)	76	315 (5%)	366
70+	Sm.	103	19	14	2	3	14	0	61	-	9	-
	Total	6850 (2%)	663 (3%)	39 (36%)	18 (11%)	606 (0%)	58 (24%)	28 (0%)	5147 (1%)	17	807 (1%)	130
Any age	Sm.	260	59	44	7	8	25	1	151	-	24	-
	Total	9995 (3%)	1444 (4%)	101 (44%)	40 (18%)	1303 (1%)	92 (27%)	96 (1%)	6422 (2%)	95	1227 (2%)	619
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	202	22	0	0	22	1	9	10	1	67	92
35-69	Sm.	77	21	17	1	3	6	1	39	-	10	-
	Total	2315 (3%)	737 (3%)	45 (38%)	11 (9%)	681 (0%)	18 (33%)	43 (2%)	938 (4%)	72	242 (4%)	265
70+	Sm.	354	67	50	5	12	28	3	219	-	37	-
	Total	6621 (5%)	800 (8%)	76 (66%)	14 (36%)	710 (2%)	50 (56%)	55 (5%)	4738 (5%)	22	830 (4%)	126
Any age	Sm.	431	88	67	6	15	34	4	258	-	47	-
	Total	9138 (5%)	1559 (6%)	121 (55%)	25 (24%)	1413 (1%)	69 (49%)	107 (4%)	5686 (5%)	95	1139 (4%)	483

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+ / NK
POPULATION (1000s; UN, 2002 revision)													
1995	776.0	340.4	346.8	54.8	53.5	49.3	44.1	51.0	46.9	47.2	36.6	20.2	32.0
2000	736.9	309.6	330.3	49.6	51.9	50.8	46.9	41.0	48.2	41.9	40.0	29.1	27.9
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	9995	291	2854	114	175	216	271	481	618	979	1234	1130	4486
2000	9138	202	2315	82	125	218	263	370	507	750	1282	1539	3800
Lung cancer													
1995	101	-	62	1	-	4	4	5	20	28	18	10	11
2000	121	-	45	1	3	1	6	9	8	17	31	32	13
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	858.4*	92.9*	846.1*	208.0	327.1	438.1	614.5	943.1	1317.7	2074.2	3371.6	5594.1	14018.8
2000	787.9*	72.6*	734.3*	165.3	240.8	429.1	560.8	902.4	1051.9	1790.0	3205.0	5288.7	13620.1
All cancer													
1995	139.7*	8.6*	222.8*	42.0	84.1	107.5	154.2	270.6	405.1	495.8	625.7	821.8	837.5
2000	150.9*	7.2*	232.9*	42.3	82.9	131.9	230.3	319.5	348.5	474.9	705.0	838.5	982.1
Lung cancer													
1995	9.6*	-	18.7*	1.8	-	8.1	9.1	9.8	42.6	59.3	49.2	49.5	34.4
2000	10.8*	-	14.5*	2.0	5.8	2.0	12.8	22.0	16.6	40.6	77.5	110.0	46.6
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	3.7*	-	6.7*	-	-	-	6.8	5.9	17.1	16.9	8.2	14.9	37.5
2000	2.3*	-	3.5*	-	-	2.0	4.3	4.9	6.2	7.2	15.0	6.9	21.5
Other cancer													
1995	126.5*	8.6*	197.4*	40.1	84.1	99.4	138.3	254.9	345.4	419.5	568.3	757.4	765.6
2000	137.7*	7.2*	214.9*	40.3	77.1	128.0	213.2	292.7	325.7	427.2	612.5	721.6	914.0
Chronic obstructive pulmonary disease (COPD)													
1995	8.4*	0.6*	9.6*	-	1.9	6.1	4.5	7.8	25.6	21.2	57.4	79.2	65.6
2000	5.7*	0.3*	5.8*	4.0	1.9	3.9	-	4.9	2.1	23.9	20.0	61.9	86.0
Other respiratory disease													
1995	11.0*	5.7*	14.6*	7.3	9.3	20.3	13.6	13.7	6.4	31.8	19.1	24.8	50.0
2000	11.3*	3.7*	13.5*	4.0	7.7	7.9	12.8	19.5	16.6	26.3	27.5	51.5	103.9
Vascular disease													
1995	502.1*	3.3*	378.9*	16.4	52.3	115.6	231.3	370.6	635.4	1230.9	2292.3	4084.2	10884.4
2000	446.6*	3.2*	302.3*	26.2	55.9	104.3	159.9	309.8	462.7	997.6	2085.0	3817.9	10010.8
Liver cirrhosis													
1995	11.0*	0.6*	22.4*	5.5	18.7	12.2	29.5	33.3	32.0	25.4	21.9	34.7	6.3
2000	11.1*	0.3*	22.1*	6.0	13.5	35.4	14.9	39.0	29.0	16.7	30.0	17.2	17.9
Other medical causes													
1995	111.4*	36.2*	92.8*	38.3	43.0	60.9	77.1	113.7	138.6	178.0	243.2	460.4	1953.1
2000	103.4*	27.6*	76.6*	26.2	25.0	55.1	46.9	100.0	101.7	181.4	247.5	415.8	2186.4
All non-medical causes													
1995	74.8*	37.9*	105.0*	98.5	117.8	115.6	104.3	133.3	74.6	91.1	112.0	89.1	221.9
2000	58.9*	30.2*	81.0*	56.5	53.9	90.6	95.9	109.8	91.3	69.2	90.0	85.9	233.0

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

ESTONIA: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.5	– / 0.2	–
35–69	1.6 / 5.0	0.1 / 2.3	20 years
70+	0.8 / 3.8	0.4 / 6.6	9 years
All ages	2.3 / 9.3	0.4 / 9.1	15 years

Deaths, by cause, attributed to SMOKING / total deaths in the year 2000

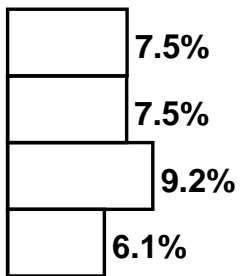
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 1	344/362	188/203	532/566	– / 0	17/45	50/76	67/121
All Cancer	– / 26	532/1025 (52%)	292/755 (39%)	824/1806	– / 22	21/737 (3%)	67/800 (8%)	88/1559
Vascular	– / 24	712/1987	341/2285	1053/4296	– / 10	39/938	219/4738	258/5686
Respiratory	– / 11	131/267	81/155	212/433	– / 10	7/61	31/105	38/176
All Other	– / 485	182/1684	49/561	231/2730	– / 160	10/579	37/978	47/1717
All Causes	– / 546	1557/4963 (31%)	763/3756 (20%)	2320/9265	– / 202	77/2315 (3%)	354/6621 (5%)	431/9138

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	0.8 / 1.8 (46%)	0.1 / 1.6 (6%)	0.9 / 3.4 (27%)
All Causes	2.3 / 9.3 (25%)	0.4 / 9.1 (5%)	2.8 / 18 (15%)

1985-2000: ESTONIA

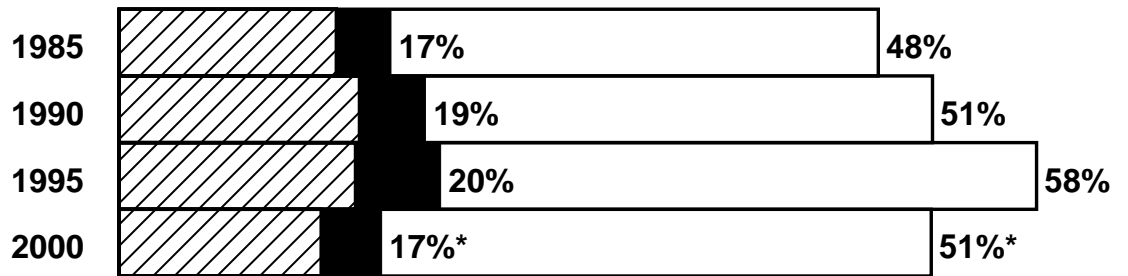
Population risk of dying at ages 0–34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

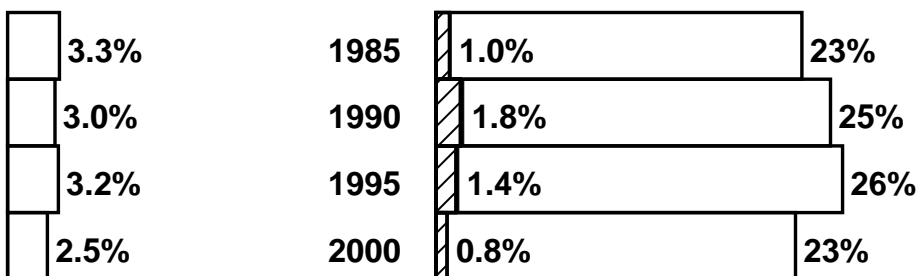
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 51 would die before age 70 (with 17 of these deaths attributed to smoking)

FEMALE



ESTONIA: 1980-2000

Numbers of deaths attributed to smoking / total deaths

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/901	1584/4286 (37%)	642/3911 (16%)	2226/9098	-/373	98/2403 (4%)	139/7469 (2%)	237/10245
1990	-/930	1868/4891 (38%)	542/3603 (15%)	2410/9424	-/355	175/2666 (7%)	113/7085 (2%)	288/10106
1995	-/918	2188/6383 (34%)	611/3532 (17%)	2799/10833	-/291	157/2854 (6%)	103/6850 (2%)	260/9995
2000	-/546	1557/4963 (31%)	763/3756 (20%)	2320/9265	-/202	77/2315 (3%)	354/6621 (5%)	431/9138

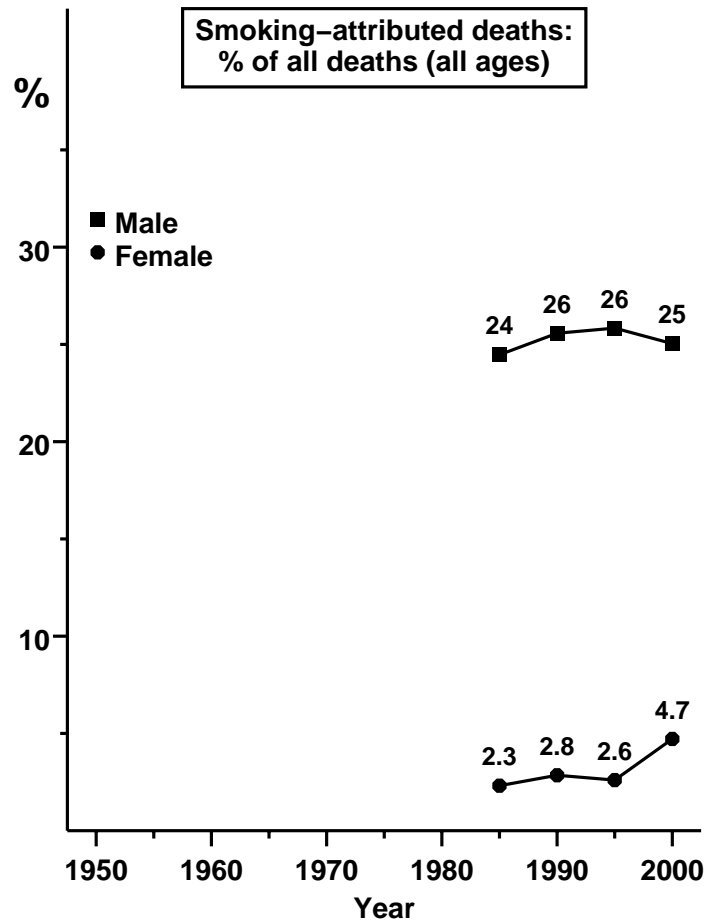
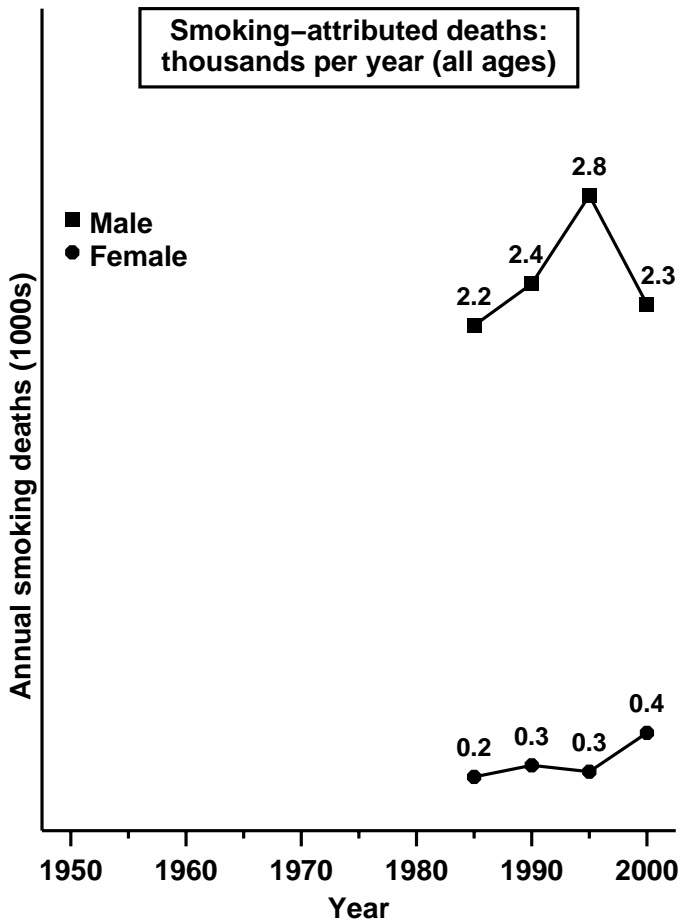
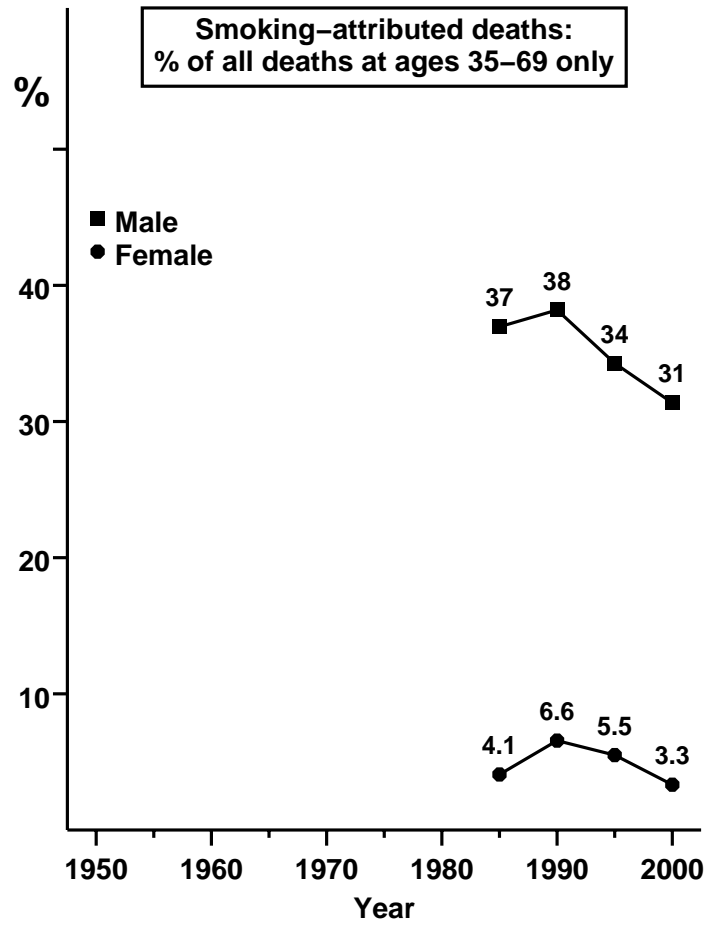
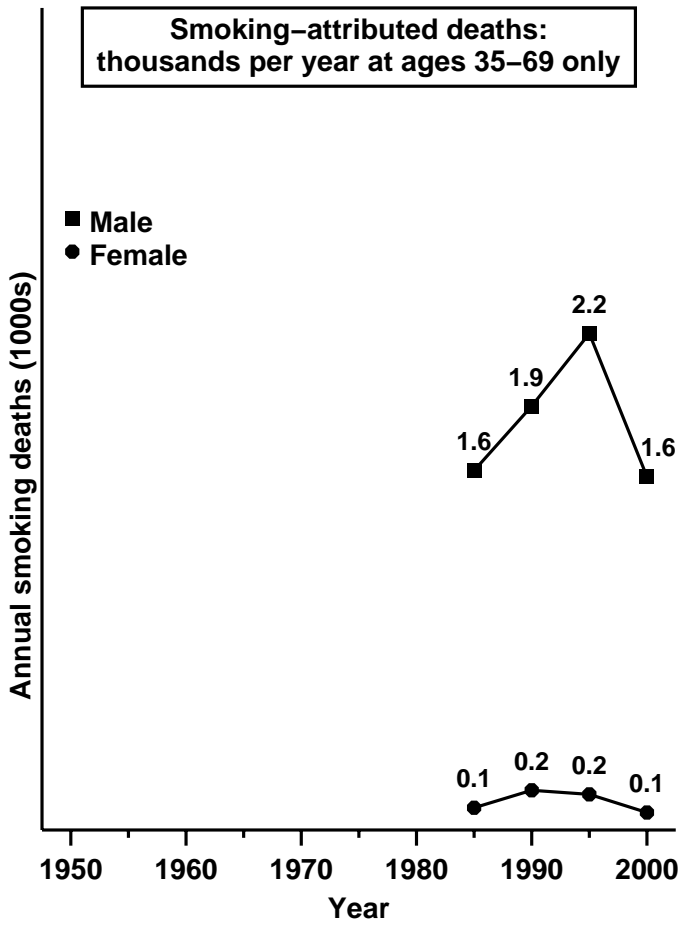
20-year total* (thousands), mid-1980 to mid-2000: 55 / 402

1980-2000 by age & sex:

-/18	38/107 (35%)	13/74 (17%)	50/199	-/6.6	2.5/53 (5%)	2.4/143 (2%)	5.0/202
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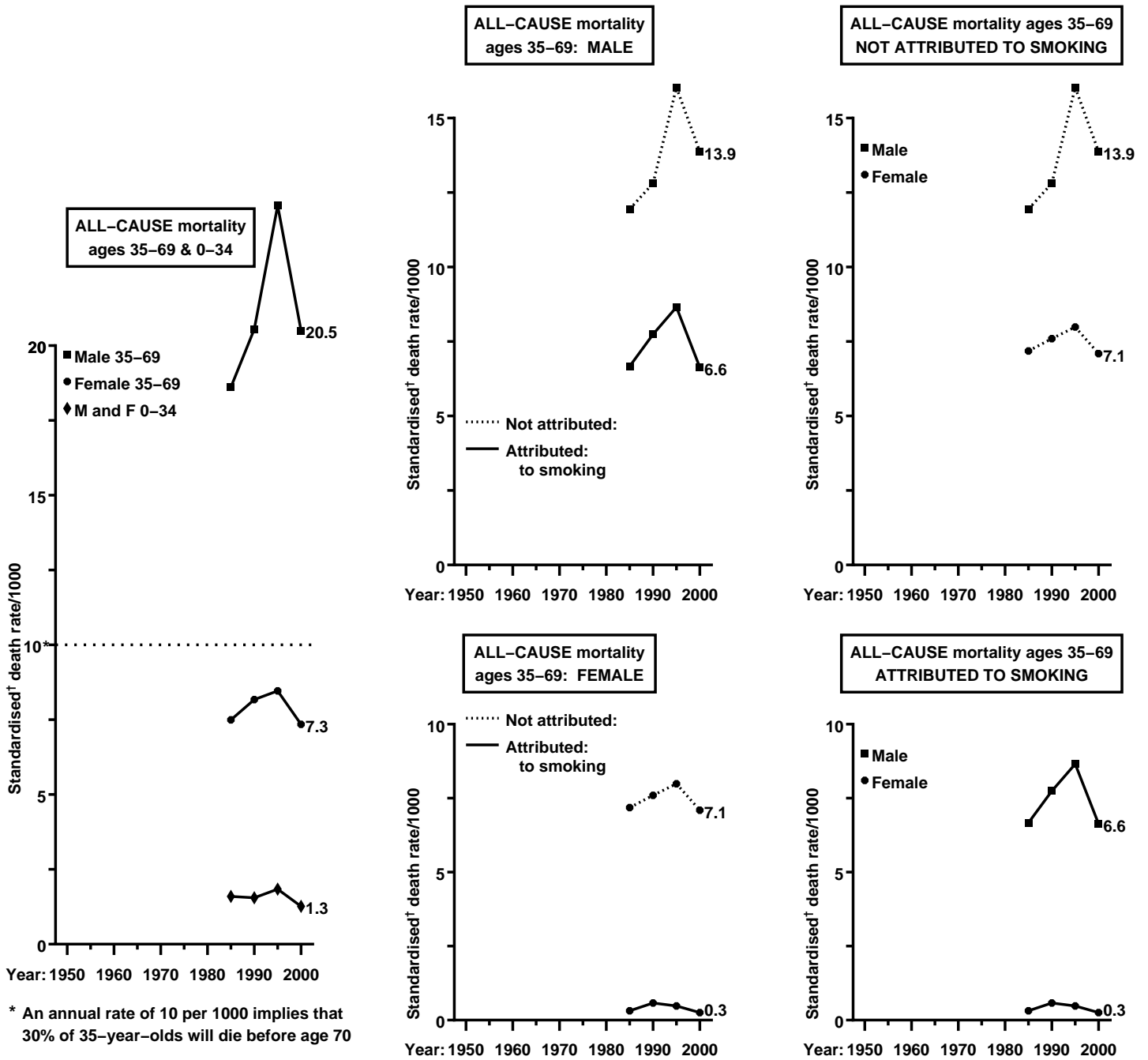
*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1985-2000: ESTONIA



ESTONIA: 1985-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

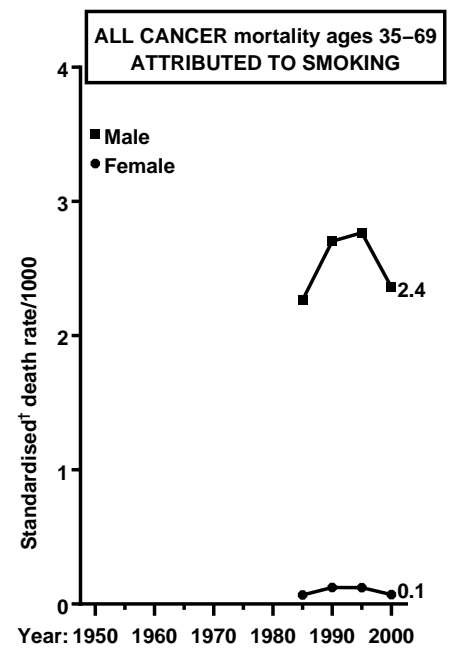
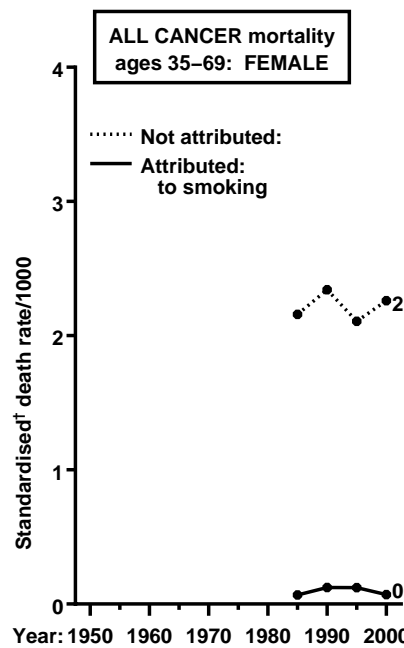
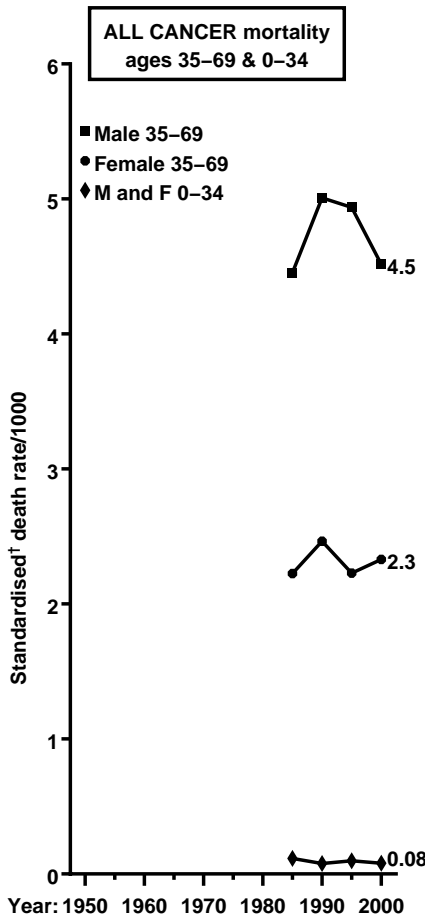
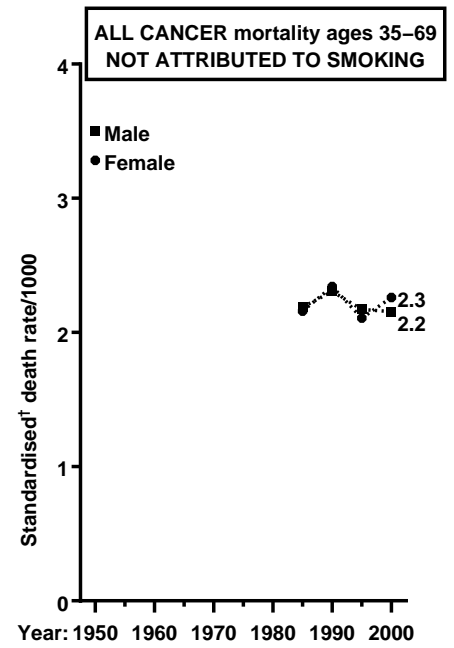
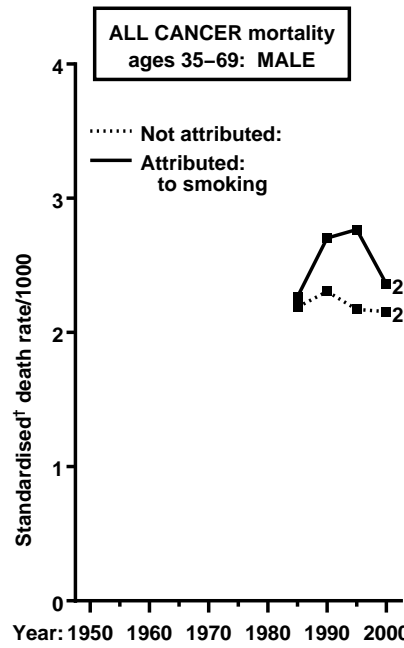
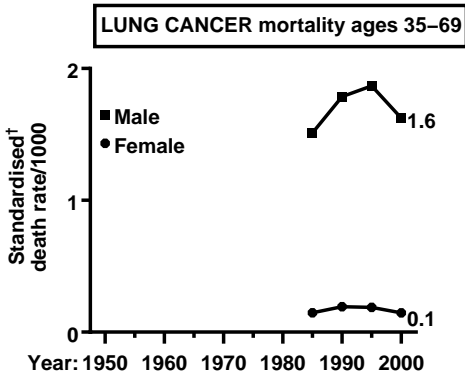


† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965
1970
1975
1980
1985	-	2.24	6.67	11.9	17.5	75.3	-	0.95	0.31	7.18	1.52	53.6	-	0.87	0.58	7.59
1990	-	2.23	7.74	12.8	15.2	63.5	-	0.87	0.58	7.59	1.47	46.2	-	0.93	0.48	7.98
1995	-	2.74	8.65	16.0	17.1	62.7	-	0.93	0.48	7.98	1.02	43.8	-	0.73	0.25	7.09
2000	-	1.80	6.63	13.9	17.2	55.6	-	0.73	0.25	7.09	2.76	39.7	-	0.73	0.25	7.09

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

Trends in ALL CANCER mortality attributed and not attributed to smoking



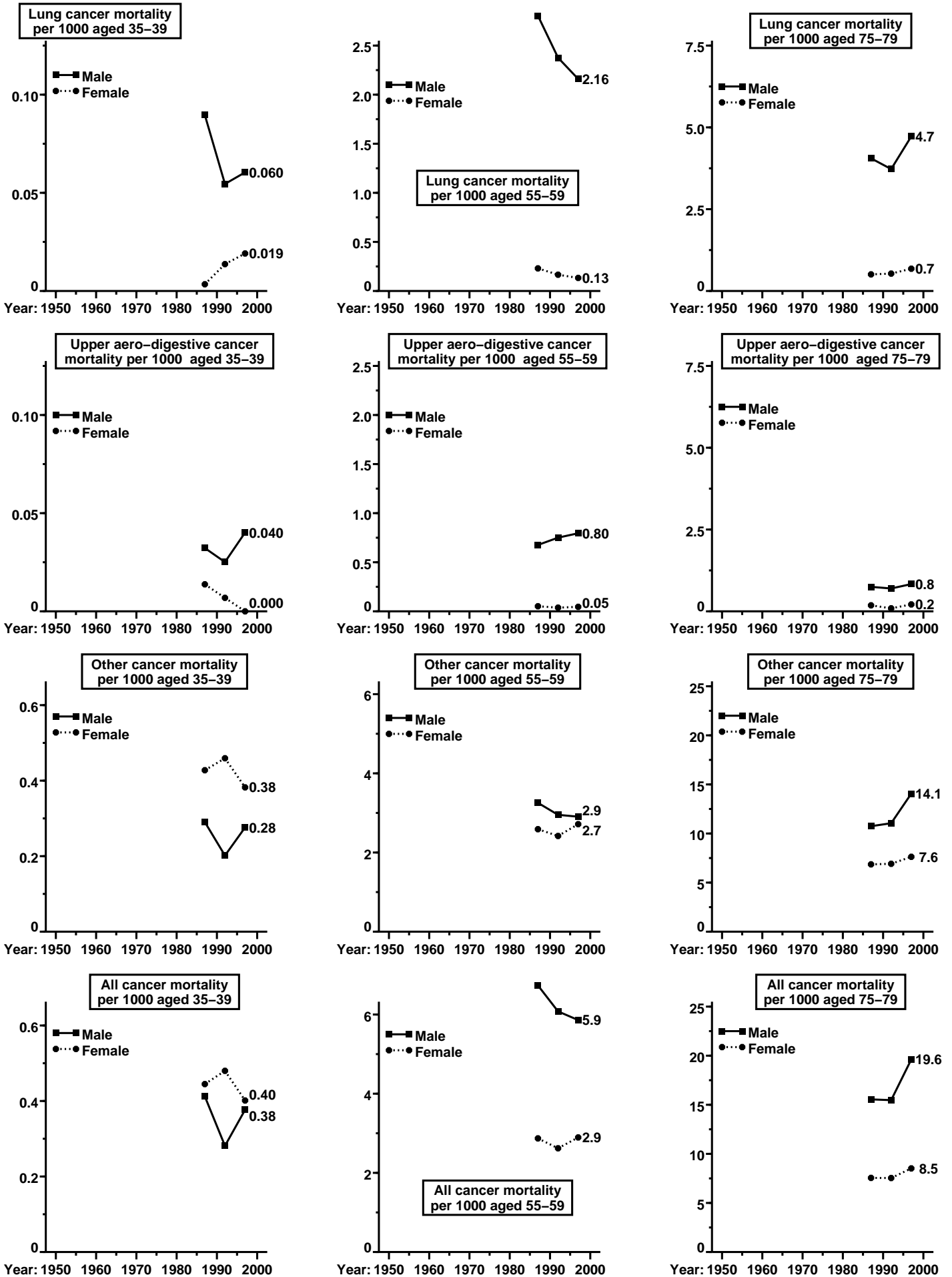
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965
1970
1975
1980
1985	-	0.11	2.27	2.19	5.80	10.3	-	0.12	0.07	2.16	0.31	7.09	-	0.08	0.12	2.34
1990	-	0.08	2.70	2.30	5.61	9.66	-	0.09	0.12	2.11	0.24	7.00	-	0.07	0.07	2.26
1995	-	0.11	2.77	2.17	6.92	10.3	-	0.09	0.12	2.11	0.24	7.00	-	0.07	0.07	2.26
2000	-	0.08	2.36	2.15	7.52	11.0	-	0.07	0.07	2.26	0.79	6.93	-	0.07	0.07	2.26

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

ESTONIA: 1985-2000

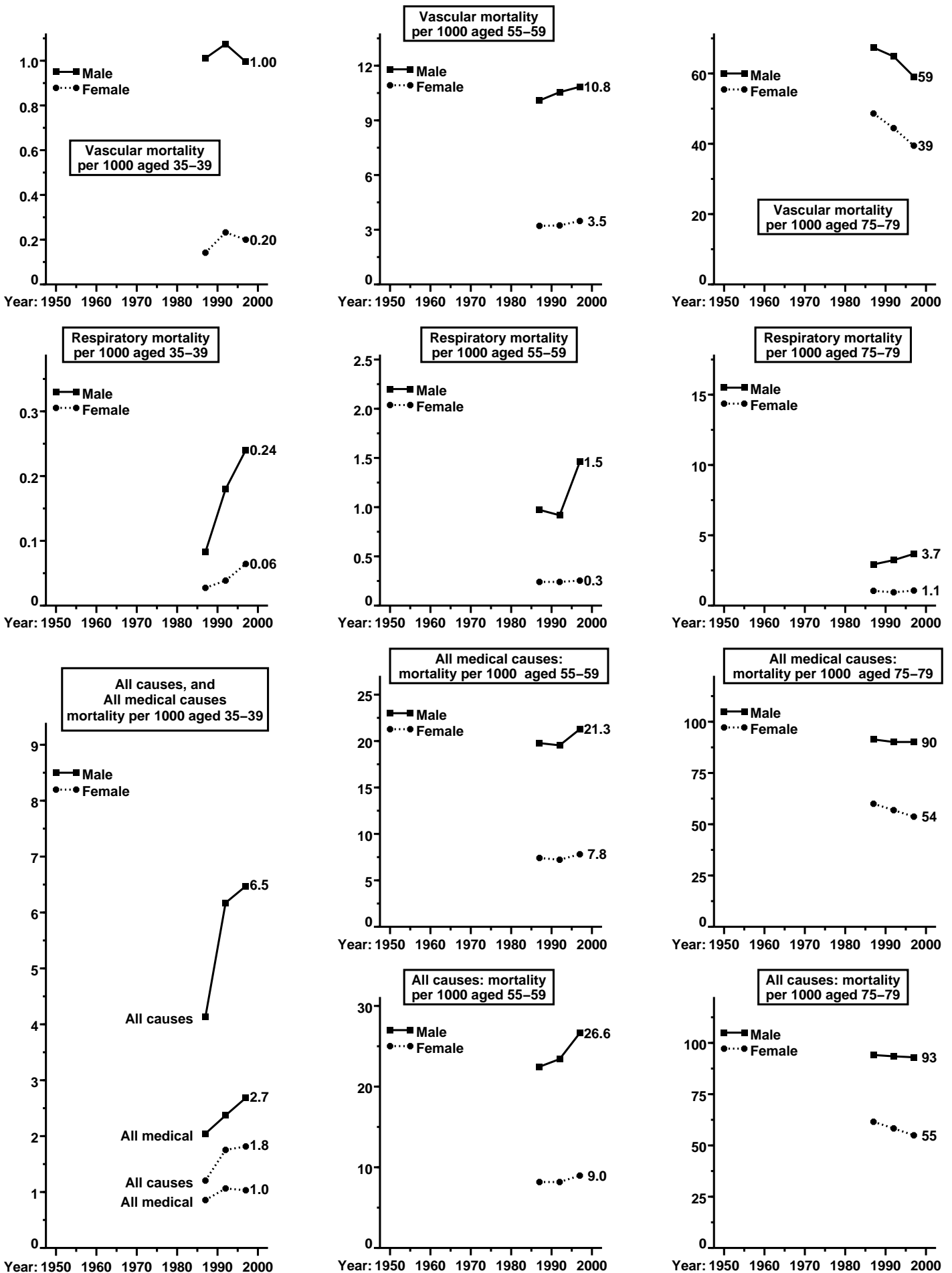
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; year 2000 on pages 164-165

1985-2000: ESTONIA

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1985-89, ..., 1995-99; year 2000 on pages 164-165

FINLAND: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	24042	946	9122	921.9	81.8	921.2	96.9	11.4	13.6	71.4	117.8	115.9	145.5
	F	25274	418	4167	524.3	38.1	397.6	70.1	11.2	16.2	28.4	39.2	43.6	57.8
Tuberculosis	M	64	-	19	2.5	-	2.1	-	-	-	-	-	-	-
	F	65	-	7	1.3	-	0.7	-	-	-	-	-	-	-
HIV	M	8	-	8	0.3	-	0.6	-	-	-	-	-	-	-
	F	2	1	1	0.1	0.1	0.1	-	-	-	-	-	-	0.6
Other infective and parasitic	M	97	8	39	3.8	0.7	4.1	2.0	0.6	-	-	1.2	-	1.1
	F	157	9	26	3.5	0.9	2.4	3.5	1.2	-	-	1.2	-	-
ALL CANCER	M	5204	54	2130	196.9	4.6	230.7	2.7	2.4	1.9	4.7	5.4	7.1	8.4
	F	5030	57	1724	124.4	5.1	164.6	2.8	2.5	1.3	4.3	3.7	8.0	12.7
Mouth and pharynx cancer	M	90	-	60	3.4	-	6.0	-	-	-	-	-	-	-
	F	59	1	14	1.3	0.1	1.2	-	-	-	-	-	-	0.6
Oesophagus cancer	M	99	-	59	3.7	-	6.2	-	-	-	-	-	-	-
	F	77	-	13	1.6	-	1.4	-	-	-	-	-	-	-
Stomach cancer	M	317	2	127	12.1	0.2	13.5	-	-	-	-	-	-	1.1
	F	245	3	75	5.9	0.3	7.2	-	-	-	-	-	0.7	1.2
Colorectal cancer	M	462	2	198	17.6	0.2	22.1	-	-	-	-	-	0.6	0.6
	F	563	2	156	13.1	0.2	15.0	-	-	-	-	-	1.3	-
Liver cancer	M	127	1	49	4.8	0.1	5.6	-	-	-	-	-	-	0.6
	F	114	-	24	2.5	-	2.4	-	-	-	-	-	-	-
Pancreas cancer	M	327	-	167	12.4	-	18.3	-	-	-	-	-	-	-
	F	394	-	113	9.2	-	11.2	-	-	-	-	-	-	-
Larynx cancer	M	24	-	11	0.9	-	1.2	-	-	-	-	-	-	-
	F	10	-	5	0.3	-	0.5	-	-	-	-	-	-	-
Lung cancer	M	1392	1	588	52.0	0.1	65.7	-	-	-	-	-	-	0.6
	F	454	2	169	11.5	0.2	16.6	-	-	-	-	-	-	1.2
Malignant melanoma	M	80	-	47	3.0	-	4.7	-	-	-	-	-	-	-
	F	58	2	25	1.5	0.2	2.5	-	-	-	-	0.6	-	0.6
Female breast cancer	F	822	5	422	22.9	0.4	37.7	-	-	-	-	-	0.7	2.3
Cervix cancer	F	77	1	38	2.1	0.1	3.2	-	-	-	-	-	-	0.6
Other uterine cancer	F	160	-	48	3.9	-	4.8	-	-	-	-	-	-	-
Ovarian cancer	F	298	2	129	8.0	0.2	12.2	-	-	-	-	-	0.7	0.6
Prostate cancer	M	750	-	159	29.1	-	19.3	-	-	-	-	-	-	-
Bladder cancer	M	145	-	30	5.5	-	3.5	-	-	-	-	-	-	-
	F	62	-	11	1.3	-	1.1	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	880	24	431	33.1	2.1	44.1	2.7	0.6	1.2	3.0	1.8	3.2	2.2
	F	1090	30	319	26.4	2.7	31.2	2.8	1.2	0.6	3.1	1.9	4.0	5.2
Hodgkin's disease	M	13	2	5	0.5	0.2	0.5	-	-	-	-	0.6	-	0.6
	F	13	1	6	0.4	0.1	0.5	-	-	-	-	-	0.7	-
Myeloma and non- Hodgkin lymphomas	M	327	9	140	12.3	0.8	13.9	-	-	-	1.2	1.8	1.3	1.1
	F	371	2	104	8.6	0.2	10.5	-	-	-	0.6	0.6	-	-
Leukaemia	M	171	13	59	6.5	1.1	6.0	-	1.8	0.6	0.6	1.2	1.9	1.7
	F	163	6	53	4.0	0.5	5.5	-	1.2	0.6	0.6	0.6	-	0.6
Diabetes	M	224	9	103	8.4	0.8	9.8	-	-	-	-	2.4	1.3	1.7
	F	348	5	61	7.3	0.4	6.0	-	-	-	-	-	1.3	1.7
ALL VASCULAR DISEASE	M	9925	63	3345	381.0	5.4	355.9	1.3	-	0.6	4.7	8.4	10.9	11.7
	F	11474	29	1074	215.5	2.6	108.0	1.4	-	1.3	0.6	3.1	3.4	8.1
Rheumatic heart disease and fever	M	14	-	4	0.5	-	0.4	-	-	-	-	-	-	-
	F	55	1	5	1.1	0.1	0.5	-	-	-	-	0.6	-	-
Hypertensive disease	M	139	1	36	5.4	0.1	4.1	-	-	-	-	0.6	-	-
	F	295	-	11	5.1	-	1.2	-	-	-	-	-	-	-
Ischaemic heart disease	M	6512	9	2276	249.8	0.8	245.8	-	-	-	-	0.6	2.6	2.2
	F	6388	4	506	117.8	0.3	52.9	0.7	-	-	-	-	-	1.7
Pulmonary embolism and other venous	M	108	4	31	4.1	0.3	3.2	-	-	-	0.6	1.2	0.6	-
	F	203	6	53	4.6	0.5	5.2	-	-	-	0.6	-	1.3	1.7
Cerebrovascular disease	M	1858	18	477	71.9	1.5	51.3	-	-	-	1.2	2.4	3.2	3.9
	F	3162	9	341	60.3	0.8	32.9	-	-	0.6	-	0.6	1.3	2.9
Other vascular disease	M	1294	31	521	49.3	2.7	51.2	1.3	-	0.6	3.0	3.6	4.5	5.6
	F	1371	9	158	26.5	0.8	15.4	0.7	-	0.6	-	1.9	0.7	1.7
Chronic obstructive pulmonary disease	M	843	2	183	32.2	0.2	21.6	-	0.6	-	-	-	-	0.6
	F	363	1	71	7.9	0.1	7.2	-	-	-	-	-	0.7	-
Other respiratory disease	M	1453	14	262	57.5	1.2	27.1	2.0	1.2	-	0.6	1.2	1.9	1.7
	F	1634	7	97	29.2	0.6	9.5	-	0.6	0.6	2.5	0.6	-	-
Peptic ulcer	M	140	1	69	5.3	0.1	6.9	-	-	-	-	-	-	0.6
	F	129	1	22	2.7	0.1	2.2	-	-	-	-	-	-	0.6
Liver cirrhosis	M	454	8	390	16.6	0.6	34.5	-	-	-	-	-	-	4.5
	F	208	1	129	6.2	0.1	11.2	-	-	-	-	-	-	0.6
Renal disease	M	96	1	20	3.8	0.1	2.4	0.7	-	-	-	-	-	-
	F	228	-	12	4.0	-	1.3	-	-	-	-	-	-	-
Pregnancy, birth Congenital and perinatal causes	F	3	3	-	0.1	0.3	-	-	-	-	-	1.2	-	0.6
	M	154	118	29	7.4	11.0	2.4	66.4	0.6	0.6	4.1	1.8	1.3	2.2
	F	121	83	26	5.6	8.1	2.1	50.7	1.2	1.3	-	0.6	1.3	1.7
Ill-defined causes	M	100	29	58	4.0	2.6	5.2	9.3	-	-	0.6	1.2	1.9	5.0
	F	78	10	32	2.3	0.9	3.0	3.5	-	-	0.6	1.2	0.7	0.6
Other medical causes	M	2427	87	721	94.4	7.5	68.9	4.6	1.2	3.1	4.7	11.4	15.5	12.3
	F	4159	47	376	78.2	4.3	36.0	4.9	2.5	4.5	1.9	5.0	6.0	5.2
ALL NON- MEDICAL CAUSES	M	2853	552	1746	107.7	47.0	149.0	8.0	4.8	7.4	51.9	84.9	76.0	95.9
	F	1275	164	509	36.0	14.6	43.3	3.5	3.1	7.1	18.5	22.4	22.1	25.4
Motor vehicle traffic accidents	M	236	75	117	9.1	6.4	10.1	0.7	1.8	2.5	14.2	10.8	8.4	6.7
	F	127	43	44	4.3	3.9	3.9	2.1	1.9	1.9	5.6	5.0	7.4	3.5
Fire	M	61	14	40	2.3	1.1	3.3	-	-	0.6	0.6	1.8	-	5.0
	F	14	5	5	0.5	0.4	0.4	-	0.6	0.6	-	0.6	-	1.2
Suicide	M	873	261	540	33.0	22.1	44.1	-	-	-	20.7	41.9	40.6	51.8
	F	290	68	191	10.5	6.0	16.0	-	-	1.3	6.8	9.3	9.4	15.0
Homicide	M	94	36	53	3.6	3.0	4.1	0.7	0.6	0.6	3.5	6.0	1.9	7.8
	F	42	18	21	1.6	1.6	1.7	0.7	-	2.6	2.5	3.1	0.7	1.7
POPULATION: (1000s; UN, 2002 revision)			M=male		2525.9	1150.6	1183.4	150.7	166.8	161.8	169.4	167.2	155.3	179.4
			F=female		2651.4	1103.8	1193.4	144.0	160.6	154.6	161.9	160.6	149.1	173.0

2000: FINLAND

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
195.6	314.2	458.3	712.4	958.0	1458.1	2351.6	3856.7	6408.8	14746.8	M	ALL CAUSES	001-999/A00-Y89
82.1	134.6	209.5	294.8	408.8	644.1	1009.0	1851.6	3597.5	11494.5	F		
-	0.5	0.5	0.9	2.0	4.0	6.7	12.5	15.8	53.2	M	Tuberculosis	010-018, 137/ A15-A19, B90
-	-	-	0.5	1.3	0.7	2.4	11.5	11.5	25.1	F		
0.5	1.5	1.0	0.5	-	0.8	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	0.5	-	-	-	-	-	-	-	F		
1.0	0.5	2.0	1.9	6.1	5.6	11.6	8.0	17.5	70.2	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.1	0.5	2.0	0.9	4.7	3.0	4.9	13.1	26.8	61.1	F		
18.1	25.6	60.4	146.4	251.4	400.0	712.9	1122.9	1577.2	2412.8	M	ALL CANCER	140-208/C00-C97
25.2	46.5	80.9	129.9	191.1	286.8	391.7	618.9	842.3	1264.1	F		
-	2.0	2.0	5.1	10.2	10.5	12.5	9.1	15.8	27.7	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	1.5	1.9	1.3	1.5	2.4	3.3	10.5	22.7	F		
-	1.0	2.9	5.1	7.5	7.3	19.3	14.8	26.3	25.5	M	Oesophagus cancer	150/C15
-	-	0.5	0.5	1.3	0.7	6.5	10.7	17.2	25.9	F		
1.5	1.5	3.9	8.8	15.6	25.8	37.6	62.6	80.7	185.1	M	Stomach cancer	151/C16
2.7	3.2	4.5	3.3	6.7	11.1	18.7	25.4	48.8	66.6	F		
2.1	2.6	4.9	9.8	25.7	30.6	79.0	78.5	156.1	221.3	M	Colorectal cancer	153, 154/C18-C21
1.6	2.1	5.0	15.2	12.6	30.5	38.3	73.0	92.7	171.6	F		
-	-	1.0	3.3	4.1	9.7	21.2	31.9	38.6	57.4	M	Liver cancer	155.0/C22 excl C221
0.5	-	1.5	0.9	2.0	5.2	6.5	10.7	25.8	39.2	F		
-	2.0	6.4	9.3	23.0	28.2	58.8	69.4	70.2	125.5	M	Pancreas cancer	157/C25
-	1.6	5.0	6.6	11.3	23.0	30.9	52.5	70.7	112.1	F		
-	-	-	0.9	1.4	1.6	4.8	2.3	12.3	8.5	M	Larynx cancer	161/C32
-	-	-	0.5	0.7	-	2.4	-	1.9	2.4	F		
1.5	1.0	10.8	38.6	65.0	127.4	215.8	372.0	478.9	431.9	M	Lung cancer	162/C33, C34
0.5	3.2	2.5	15.6	18.6	27.5	48.0	70.5	76.5	91.7	F		
1.0	2.0	2.5	2.8	8.8	4.8	10.6	15.9	19.3	17.0	M	Malignant melanoma	172/C43
-	1.1	-	1.9	2.0	5.2	7.3	3.3	6.7	15.7	F		
9.7	14.3	26.6	45.0	53.9	66.1	48.0	85.2	125.2	125.4	F	Female breast cancer	174/C50
2.1	3.2	3.5	3.8	2.7	3.0	4.1	5.7	15.3	11.8	F	Cervix cancer	180/C53
-	-	1.5	3.3	5.3	11.9	11.4	29.5	22.9	40.8	F	Other uterine cancer	179, 182/C54, C55
2.7	5.3	7.5	6.2	20.6	20.1	22.8	41.0	44.9	54.9	F	Ovarian cancer	183/C56, C570-C574
-	-	2.9	2.8	9.5	43.5	76.1	141.1	280.7	653.2	M	Prostate cancer	185/C61
-	0.5	-	0.5	4.1	7.3	12.5	36.4	66.7	95.7	M	Bladder cancer	188/C67
-	-	-	1.4	0.7	2.2	3.3	9.0	12.4	21.2	F		
7.7	7.2	18.2	38.1	48.8	75.0	113.7	185.4	207.0	306.4	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
4.3	7.9	16.1	16.1	37.3	52.7	83.9	130.3	195.0	296.2	F		
0.5	0.5	-	-	0.7	0.8	1.0	2.3	1.8	6.4	M	Hodgkin's disease	201/C81
-	1.1	-	0.9	-	0.7	0.8	1.6	1.0	2.4	F		
2.1	2.6	3.4	16.3	21.0	19.4	32.8	69.4	77.2	155.3	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.1	1.6	3.0	5.7	10.7	14.9	36.6	47.5	57.4	115.2	F		
1.5	2.6	1.5	5.1	6.1	8.1	17.3	31.9	45.6	95.7	M	Leukaemia	204-208/C91-C95
-	2.1	2.0	0.9	3.3	10.4	19.5	19.7	17.2	48.6	F		
6.2	5.1	6.9	6.5	10.8	12.1	21.2	41.0	52.6	97.9	M	Diabetes	250/E10-E14
1.6	2.6	2.5	3.3	2.0	8.2	22.0	35.2	60.2	137.9	F		
32.5	55.3	123.8	241.2	378.0	600.0	1060.7	1750.9	3001.8	6951.1	M	ALL VASCULAR DISEASE	390-459/I00-I99
14.5	19.5	34.7	60.7	81.2	182.0	363.2	740.2	1675.0	6047.0	F		
-	0.5	0.5	-	-	0.8	1.0	2.3	8.8	6.4	M	Rheumatic heart disease and fever	390-398/I00-I09
-	-	-	0.5	1.3	0.7	0.8	6.6	17.2	18.0	F		
-	1.0	0.5	1.9	4.7	4.8	15.4	21.6	36.8	131.9	M	Hypertensive disease	401-405/I10-I15
-	-	-	0.5	1.3	2.2	4.1	16.4	35.4	177.9	F		
11.4	28.7	71.2	155.7	276.4	435.5	741.8	1161.5	2005.3	4389.4	M	Ischaemic heart disease	410-414/I20-I25
3.8	6.3	12.1	19.4	28.0	93.6	206.8	415.6	955.1	3426.3	F		
-	1.0	2.0	2.8	2.0	5.6	8.7	23.9	43.9	57.4	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.5	2.1	1.0	4.3	3.3	12.6	12.2	13.1	27.7	77.6	F		
6.2	8.7	18.7	31.6	51.5	70.2	172.4	334.5	571.9	1580.9	M	Cerebrovascular disease	430-438/I60-I69
4.8	8.4	15.1	26.5	31.3	49.8	94.5	197.5	458.9	1638.7	F		
15.0	15.4	30.9	49.3	43.4	83.1	121.4	207.1	335.1	785.1	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
5.4	2.6	6.5	9.5	16.0	23.0	44.8	91.0	180.7	708.5	F		
0.5	1.0	1.0	5.1	24.4	36.3	82.9	198.0	370.2	580.9	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.5	1.1	1.0	3.8	7.3	16.3	20.4	38.5	85.1	121.5	F		
3.1	6.1	13.8	21.4	23.0	44.4	78.0	138.8	471.9	1672.3	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.7	1.6	3.0	6.6	9.3	14.1	29.3	72.1	186.4	977.3	F		
0.5	2.0	3.9	6.0	8.8	10.5	16.4	22.8	29.8	70.2	M	Peptic ulcer	531-533/K25-K27
-	-	1.5	0.5	4.0	4.5	4.9	9.0	22.0	56.4	F		
6.2	23.0	37.8	40.9	44.0	51.6	37.6	35.3	19.3	29.8	M	Liver cirrhosis	571/K70, K74
2.1	7.4	11.6	13.7	13.3	19.3	10.6	22.1	24.9	19.6	F		
-	-	2.0	-	-	2.4	12.5	13.7	26.3	102.1	M	Renal disease	580-590/N00-N19
-	-	0.5	-	0.7	3.0	4.9	9.8	28.7	136.4	F		
0.5	2.6	2.5	3.7	2.7	3.2	1.9	-	5.3	8.5	F	Pregnancy, birth	630-676/A34, O00-O99
-	0.5	2.0	5.7	2.7	1.5	2.4	3.3	3.8	3.1	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
6.2	2.0	4.9	3.7	4.7	8.9	5.8	5.7	5.3	10.6	M	Ill-defined causes	780-799/R00-R99
0.5	2.6	1.5	1.4	4.0	5.2	5.7	3.3	2.9	22.7	F		
21.2	33.8	50.1	63.7	65.7	104.0	143.5	315.1	598.2	2129.8	M	Other medical causes	Rest of 001-799/ rest of A00-R99
5.9	16.4	17.1	24.6	38.6	52.7	96.9	204.9	535.4	2293.1	F		
99.1	155.1	147.8	170.5	136.2	174.2	159.9	192.3	217.5	557.4	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
27.9	35.9	50.8	43.1	48.6	46.8	49.7	69.7	92.7	329.2	F		
8.8	9.7	9.8	9.8	7.5	13.7	11.6	18.2	10.5	46.8	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
4.3	3.7	3.5	1.4	3.3	4.5	6.5	11.5	7.6	14.1	F		
3.6	4.1	1.5	4.2	4.1	4.8	1.0	1.1	8.8	2.1	M	Fire	E890-E899/X00-X09
-	1.1	1.0	0.5	-	-	-	0.8	1.9	0.8	F		
43.3	57.3	51.6	46.9	40.0	33.9	35.6	31.9	35.1	51.1	M	Suicide	E950-E959/X60-X84
15.0	12.1	20.1	14.7	22.6	12.6	14.7	11.5	7.6	7.1	F		
5.2	7.7	4.9	3.7	3.4	4.0	-	2.3	1.8	4.3	M	Homicide	E960-E969/ X85-X99, Y00-Y09
3.2	3.7	0.5	1.4	1.3	1.5	-	0.8	1.0	0.8	F		
193.8	195.4	203.6	215.2	147.6	124.0	103.8	87.9	57.0	47.0	M	POPULATION	
186.4	189.4	199.0	211.0	150.2	134.6	122.8	122.0	104.6	127.6	F	(1000s; UN, 2002 revision)	

FINLAND: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1064	65	0	2	63	2	10	56	4	253	674
35-69	Sm.	2140	889	654	74	161	142	53	854	-	202	-
	Total	9887 (22%)	2260 (39%)	730 (90%)	133 (56%)	1397 (12%)	197 (72%)	248 (21%)	3962 (22%)	335	912 (22%)	1973
70+	Sm.	2646	1046	713	69	264	407	117	887	-	189	-
	Total	13332 (20%)	2848 (37%)	780 (91%)	113 (61%)	1955 (14%)	546 (75%)	978 (12%)	6897 (13%)	56	1531 (12%)	476
Any age	Sm.	4786	1935	1367	143	425	549	170	1741	-	391	-
	Total	24283 (20%)	5173 (37%)	1510 (91%)	248 (58%)	3415 (12%)	745 (74%)	1236 (14%)	10915 (16%)	395	2696 (15%)	3123
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	946	54	1	0	53	2	14	63	8	253	552
35-69	Sm.	1569	686	507	59	120	118	44	545	-	176	-
	Total	9122 (17%)	2130 (32%)	588 (86%)	130 (45%)	1412 (8%)	183 (64%)	262 (17%)	3345 (16%)	390	1066 (17%)	1746
70+	Sm.	2561	1025	724	47	254	471	121	728	-	216	-
	Total	13974 (18%)	3020 (34%)	803 (90%)	83 (57%)	2134 (12%)	658 (72%)	1177 (10%)	6517 (11%)	56	1991 (11%)	555
Any age	Sm.	4130	1711	1231	106	374	589	165	1273	-	392	-
	Total	24042 (17%)	5204 (33%)	1392 (88%)	213 (50%)	3599 (10%)	843 (70%)	1453 (11%)	9925 (13%)	454	3310 (12%)	2853

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)														
1995		2486.5	1193.7	1128.8	197.2	206.9	221.1	153.5	131.7	114.7	103.7	74.8	44.5	44.7
2000		2525.9	1150.6	1183.4	193.8	195.4	203.6	215.2	147.6	124.0	103.8	87.9	57.0	47.0
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		24283	1064	9887	456	719	1147	1114	1446	2004	3001	3459	3263	6610
2000		24042	946	9122	379	614	933	1533	1414	1808	2441	3390	3653	6931
Lung cancer														
1995		1510	-	730	7	12	38	57	134	168	314	332	240	208
2000		1392	1	588	3	2	22	83	96	158	224	327	273	203
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)														
All causes														
1995		1021.4*	87.0*	1080.3*	231.2	347.5	518.8	725.7	1097.9	1747.2	2893.9	4624.3	7332.6	14787.5
2000		921.9*	81.8*	921.2*	195.6	314.2	458.3	712.4	958.0	1458.1	2351.6	3856.7	6408.8	14746.8
All cancer														
1995		218.2*	5.3*	264.0*	16.7	31.4	79.1	142.0	286.3	468.2	824.5	1279.4	1793.3	2445.2
2000		196.9*	4.6*	230.7*	18.1	25.6	60.4	146.4	251.4	400.0	712.9	1122.9	1577.2	2412.8
Lung cancer														
1995		63.4*	-	87.8*	3.5	5.8	17.2	37.1	101.7	146.5	302.8	443.9	539.3	465.3
2000		52.0*	0.1*	65.7*	1.5	1.0	10.8	38.6	65.0	127.4	215.8	372.0	478.9	431.9
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		10.5*	0.2*	14.8*	-	2.9	6.8	13.0	15.2	34.0	31.8	48.1	67.4	105.1
2000		8.0*	-	13.4*	-	3.1	4.9	11.2	19.0	19.4	36.6	26.2	54.4	61.7
Other cancer														
1995		144.3*	5.1*	161.4*	13.2	22.7	55.2	91.9	169.3	287.7	489.9	787.4	1186.5	1874.7
2000		136.9*	4.6*	151.5*	16.5	21.5	44.7	96.7	167.3	253.2	460.5	724.7	1043.9	1919.1
Chronic obstructive pulmonary disease (COPD)														
1995		31.8*	0.2*	24.6*	1.0	1.0	3.2	8.5	15.2	41.0	102.2	201.9	319.1	566.0
2000		32.2*	0.2*	21.6*	0.5	1.0	1.0	5.1	24.4	36.3	82.9	198.0	370.2	580.9
Other respiratory disease														
1995		53.5*	0.8*	27.5*	4.6	10.6	10.0	20.2	23.5	41.8	82.0	187.2	384.3	1492.2
2000		57.5*	1.2*	27.1*	3.1	6.1	13.8	21.4	23.0	44.4	78.0	138.8	471.9	1672.3
Vascular disease														
1995		464.4*	4.4*	460.7*	29.4	64.8	153.3	251.5	448.7	839.6	1437.8	2324.9	3829.2	7727.1
2000		381.0*	5.4*	355.9*	32.5	55.3	123.8	241.2	378.0	600.0	1060.7	1750.9	3001.8	6951.1
Liver cirrhosis														
1995		15.8*	0.3*	31.8*	7.1	20.3	33.9	43.0	35.7	48.8	33.8	36.1	42.7	22.4
2000		16.6*	0.6*	34.5*	6.2	23.0	37.8	40.9	44.0	51.6	37.6	35.3	19.3	29.8
Other medical causes														
1995		114.4*	21.3*	93.8*	38.0	49.8	59.7	73.0	85.0	129.9	220.8	382.4	703.4	2085.0
2000		130.0*	22.8*	102.4*	36.1	48.1	73.7	86.9	100.9	151.6	219.7	418.7	750.9	2542.6
All non-medical causes														
1995		123.3*	54.8*	177.9*	134.4	169.6	179.6	187.6	203.5	177.9	192.9	212.6	260.7	449.7
2000		107.7*	47.0*	149.0*	99.1	155.1	147.8	170.5	136.2	174.2	159.9	192.3	217.5	557.4

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: FINLAND

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	429	62	1	0	61	1	5	23	6	173	159
35-69	Sm.	209	86	69	7	10	22	3	69	-	29	-
	Total	4381 (5%)	1762 (5%)	161 (43%)	38 (18%)	1563 (1%)	75 (29%)	87 (3%)	1290 (5%)	87	565 (5%)	515
70+	Sm.	602	152	107	21	24	84	30	254	-	82	-
	Total	20232 (3%)	3045 (5%)	208 (51%)	103 (20%)	2734 (1%)	222 (38%)	1391 (2%)	11254 (2%)	53	3686 (2%)	581
Any age	Sm.	811	238	176	28	34	106	33	323	-	111	-
	Total	25042 (3%)	4869 (5%)	370 (48%)	141 (20%)	4358 (1%)	298 (36%)	1483 (2%)	12567 (3%)	146	4424 (3%)	1255
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	418	57	2	1	54	1	7	29	1	159	164
35-69	Sm.	205	90	74	7	9	22	5	59	-	29	-
	Total	4167 (5%)	1724 (5%)	169 (44%)	32 (22%)	1523 (1%)	71 (31%)	97 (5%)	1074 (5%)	129	563 (5%)	509
70+	Sm.	767	219	159	28	32	121	38	271	-	118	-
	Total	20689 (4%)	3249 (7%)	283 (56%)	113 (25%)	2853 (1%)	291 (42%)	1530 (2%)	10371 (3%)	78	4568 (3%)	602
Any age	Sm.	972	309	233	35	41	143	43	330	-	147	-
	Total	25274 (4%)	5030 (6%)	454 (51%)	146 (24%)	4430 (1%)	363 (39%)	1634 (3%)	11474 (3%)	208	5290 (3%)	1275

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		2621.0	1143.3	1150.6	189.5	199.8	213.0	152.3	137.5	127.4	131.1	120.3	88.5	118.3
2000		2651.4	1103.8	1193.4	186.4	189.4	199.0	211.0	150.2	134.6	122.8	122.0	104.6	127.6
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		25042	429	4381	173	268	440	486	610	857	1547	2577	3763	13892
2000		25274	418	4167	153	255	417	622	614	867	1239	2259	3763	14667
Lung cancer														
1995		370	1	161	6	5	17	19	18	40	56	69	63	76
2000		454	2	169	1	6	5	33	28	37	59	86	80	117
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
1995		563.3*	37.0*	435.3*	91.3	134.1	206.6	319.1	443.6	672.7	1180.0	2142.1	4252.0	11743.0
2000		524.3*	38.1*	397.6*	82.1	134.6	209.5	294.8	408.8	644.1	1009.0	1851.6	3597.5	11494.5
All cancer														
1995		129.5*	5.2*	174.5*	22.2	44.0	99.1	158.2	200.0	270.8	427.2	599.3	866.7	1316.1
2000		124.4*	5.1*	164.6*	25.2	46.5	80.9	129.9	191.1	286.8	391.7	618.9	842.3	1264.1
Lung cancer														
1995		10.4*	0.1*	16.2*	3.2	2.5	8.0	12.5	13.1	31.4	42.7	57.4	71.2	64.2
2000		11.5*	0.2*	16.6*	0.5	3.2	2.5	15.6	18.6	27.5	48.0	70.5	76.5	91.7
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		3.4*	-	3.8*	-	-	3.3	3.3	5.8	5.5	8.4	16.6	23.7	52.4
2000		3.2*	0.1*	3.1*	-	-	2.0	2.8	3.3	2.2	11.4	13.9	29.6	50.9
Other cancer														
1995		115.7*	5.1*	154.6*	19.0	41.5	87.8	142.5	181.1	233.9	376.0	525.4	771.8	1199.5
2000		109.8*	4.8*	144.9*	24.7	43.3	76.4	111.4	169.1	257.1	332.2	534.4	736.1	1121.5
Chronic obstructive pulmonary disease (COPD)														
1995		7.3*	0.1*	7.9*	0.5	0.5	0.9	4.6	10.2	14.9	23.6	43.2	63.3	96.4
2000		7.9*	0.1*	7.2*	0.5	1.1	1.0	3.8	7.3	16.3	20.4	38.5	85.1	121.5
Other respiratory disease														
1995		28.6*	0.4*	8.7*	2.6	1.0	4.7	7.2	5.1	11.8	28.2	64.8	229.4	938.3
2000		29.2*	0.6*	9.5*	2.7	1.6	3.0	6.6	9.3	14.1	29.3	72.1	186.4	977.3
Vascular disease														
1995		258.4*	1.9*	135.1*	11.6	12.5	30.0	56.5	108.4	222.9	503.4	1044.9	2290.4	6737.1
2000		215.5*	2.6*	108.0*	14.5	19.5	34.7	60.7	81.2	182.0	363.2	740.2	1675.0	6047.0
Liver cirrhosis														
1995		4.7*	0.5*	8.2*	2.1	3.5	6.6	10.5	10.9	16.5	7.6	15.8	14.7	17.8
2000		6.2*	0.1*	11.2*	2.1	7.4	11.6	13.7	13.3	19.3	10.6	22.1	24.9	19.6
Other medical causes														
1995		97.6*	15.3*	55.9*	19.0	22.0	21.1	38.1	54.5	92.6	144.2	304.2	672.3	2303.5
2000		105.2*	15.1*	53.9*	9.1	22.7	27.6	37.0	57.9	78.8	144.1	290.2	691.2	2735.9
All non-medical causes														
1995		37.1*	13.7*	45.1*	33.2	50.6	44.1	44.0	54.5	43.2	45.8	69.8	115.3	333.9
2000		36.0*	14.6*	43.3*	27.9	35.9	50.8	43.1	48.6	46.8	49.7	69.7	92.7	329.2

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

FINLAND: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.9	– / 0.4	–
35–69	1.6 / 9.1	0.2 / 4.2	21 years
70+	2.6 / 14	0.8 / 21	8 years
All ages	4.1 / 24	1.0 / 25	13 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

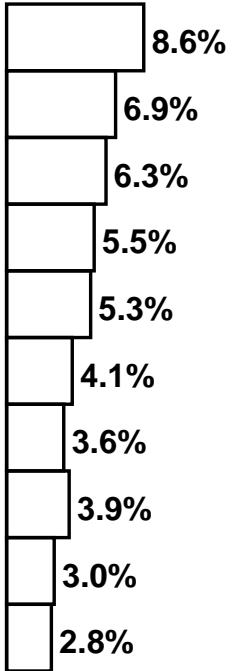
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	0.5/0.6	0.7/0.8	1.2/1.4	–/0.0	0.1/0.2	0.2/0.3	0.2/0.5
All Cancer	–/0.1	0.7/2.1 (32%)	1.0/3.0 (34%)	1.7/5.2	–/0.1	0.1/1.7 (5%)	0.2/3.2 (7%)	0.3/5.0
Vascular	–/0.1	0.5/3.3	0.7/6.5	1.3/9.9	–/0.0	0.1/1.1	0.3/1.0	0.3/1.1
Respiratory	–/0.0	0.2/0.4	0.6/1.8	0.8/2.3	–/0.0	0.0/0.2	0.2/1.8	0.2/2.0
All Other	–/0.8	0.2/3.2	0.2/2.6	0.4/6.6	–/0.3	0.0/1.2	0.1/5.2	0.1/6.8
All Causes	–/0.9	1.6/9.1 (17%)	2.6/14 (18%)	4.1/24	–/0.4	0.2/4.2 (5%)	0.8/21 (4%)	1.0/25

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	1.7 / 5.2 (33%)	0.3 / 5.0 (6%)	2.0 / 10 (20%)
All Causes	4.1 / 24 (17%)	1.0 / 25 (4%)	5.1 / 49 (10%)

1955-2000: FINLAND

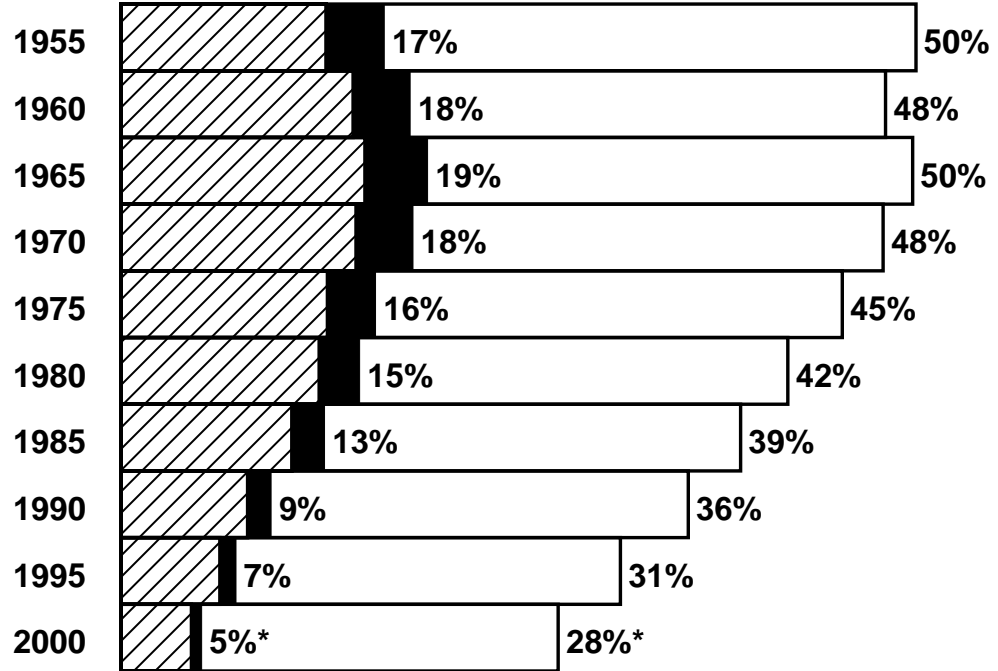
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

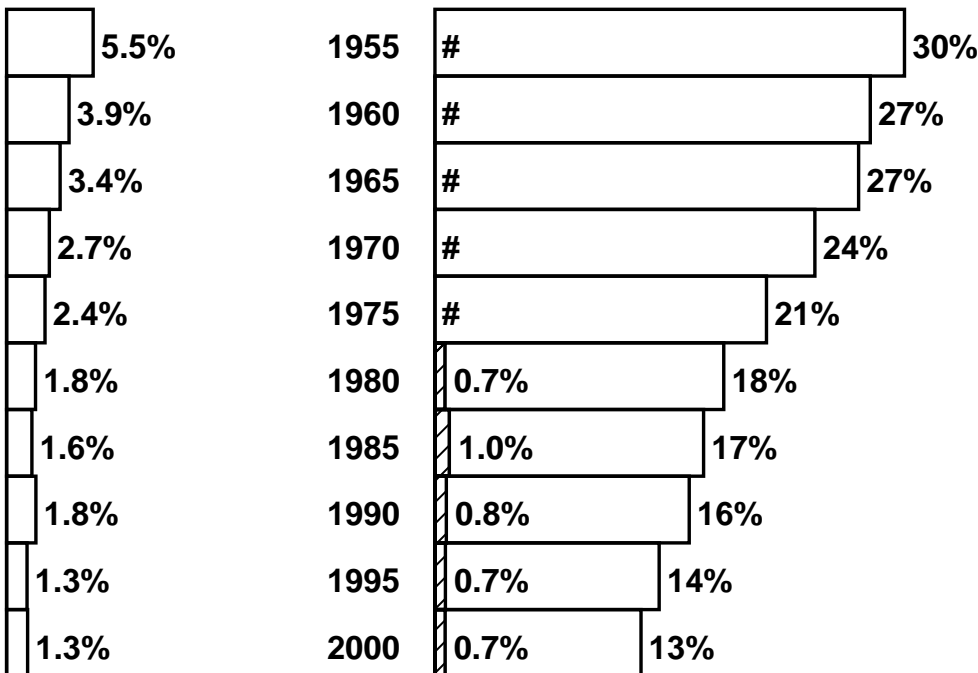
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 28 would die before age 70 (with 5 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

FINLAND: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/3.5	3.5/10 (34%)	0.8/6.7 (12%)	4.3/20	-/2.2	0.1/6.6	0.0/10	0.1/19
1960	-/2.7	4.1/11 (38%)	1.1/7.2 (16%)	5.2/21	-/1.5	0.0/6.5	0.0/11	0.0/19
1965	-/2.4	4.8/12 (39%)	1.7/8.5 (20%)	6.5/23	-/1.3	0.0/7.0	0.0/13	0.0/21
1970	-/2.1	4.9/13 (38%)	2.1/9.0 (23%)	6.9/24	-/1.0	0.0/6.7	0.0/13	0.0/20
1975	-/2.0	4.2/12 (35%)	2.2/9.7 (23%)	6.4/24	-/0.8	0.0/6.1	0.1/13 (0.5%)	0.1/20
1980	-/1.7	3.8/11 (35%)	3.0/11 (27%)	6.8/24	-/0.7	0.2/5.2 (4%)	0.4/15 (3%)	0.6/21
1985	-/1.4	3.4/11 (32%)	3.1/13 (23%)	6.4/25	-/0.6	0.3/4.9 (6%)	0.4/18 (2%)	0.7/23
1990	-/1.4	2.6/11 (25%)	2.7/13 (21%)	5.3/25	-/0.6	0.2/4.9 (5%)	0.5/20 (3%)	0.8/25
1995	-/1.1	2.1/9.9 (22%)	2.6/13 (20%)	4.8/24	-/0.4	0.2/4.4 (5%)	0.6/20 (3%)	0.8/25
2000	-/0.9	1.6/9.1 (17%)	2.6/14 (18%)	4.1/24	-/0.4	0.2/4.2 (5%)	0.8/21 (4%)	1.0/25

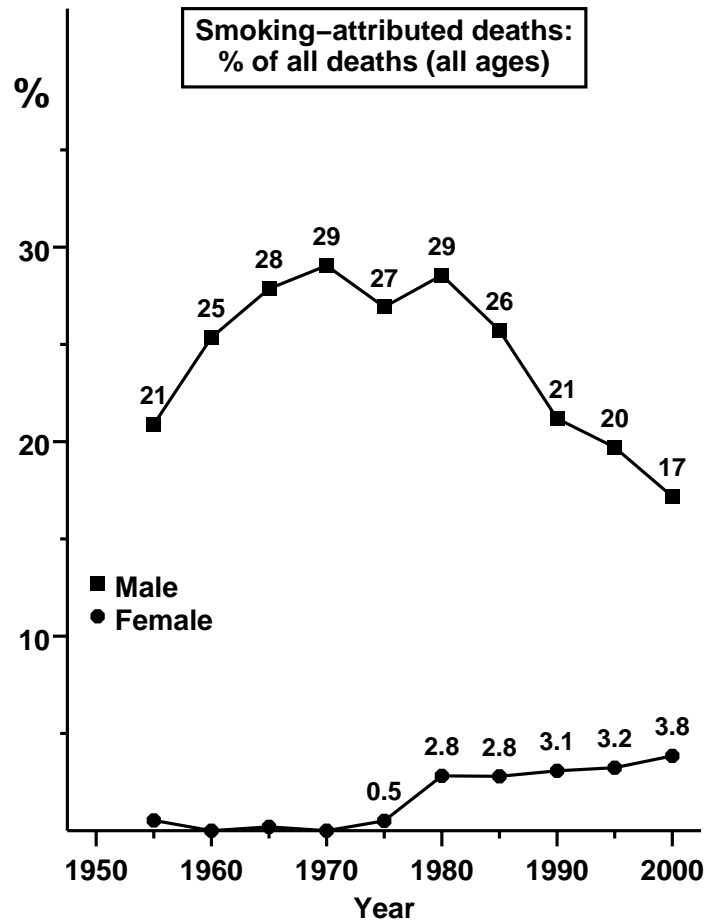
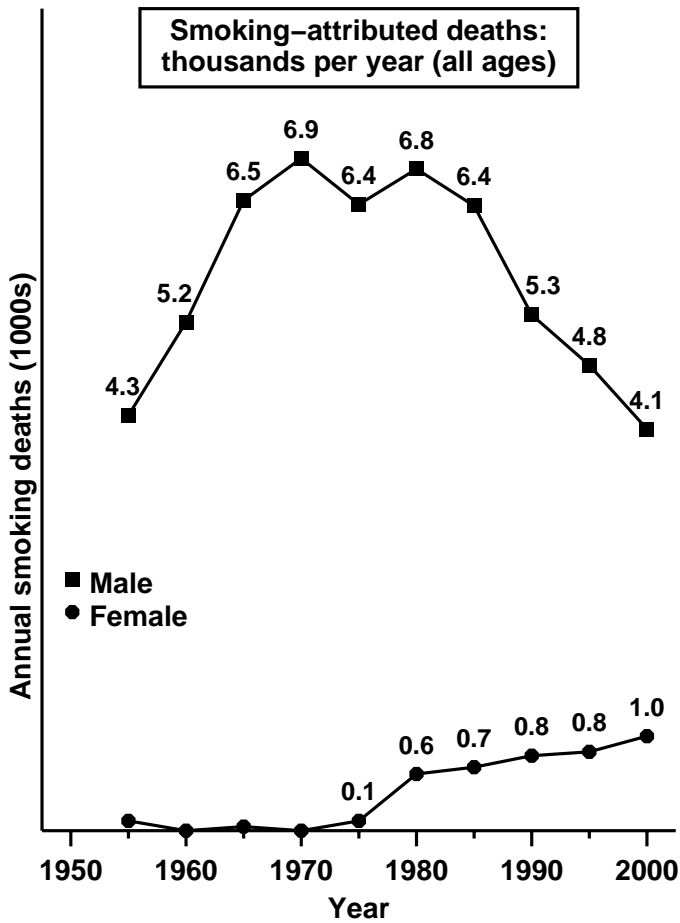
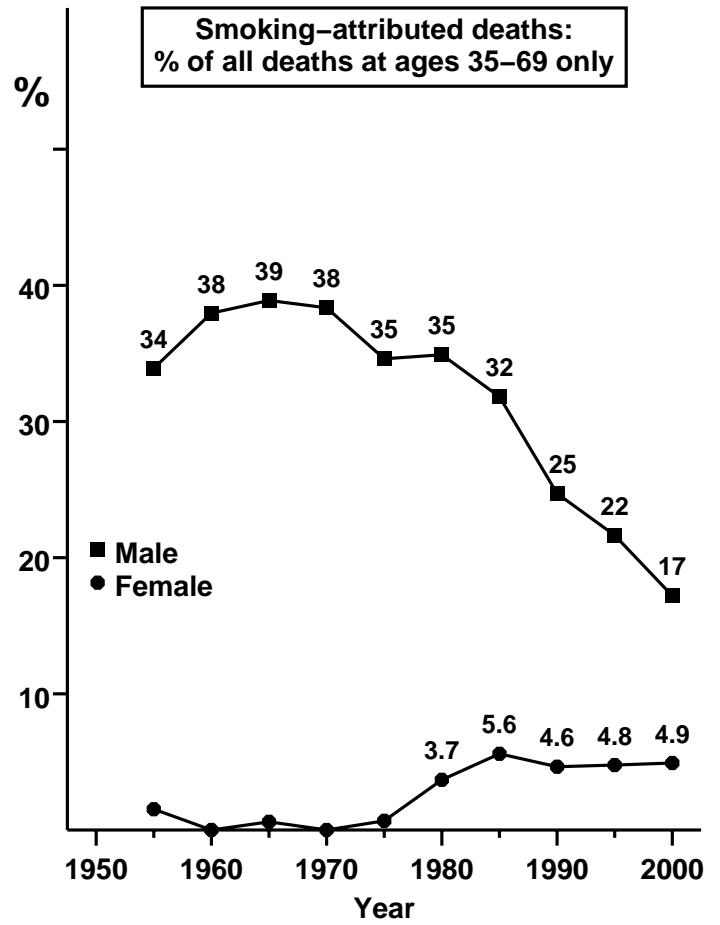
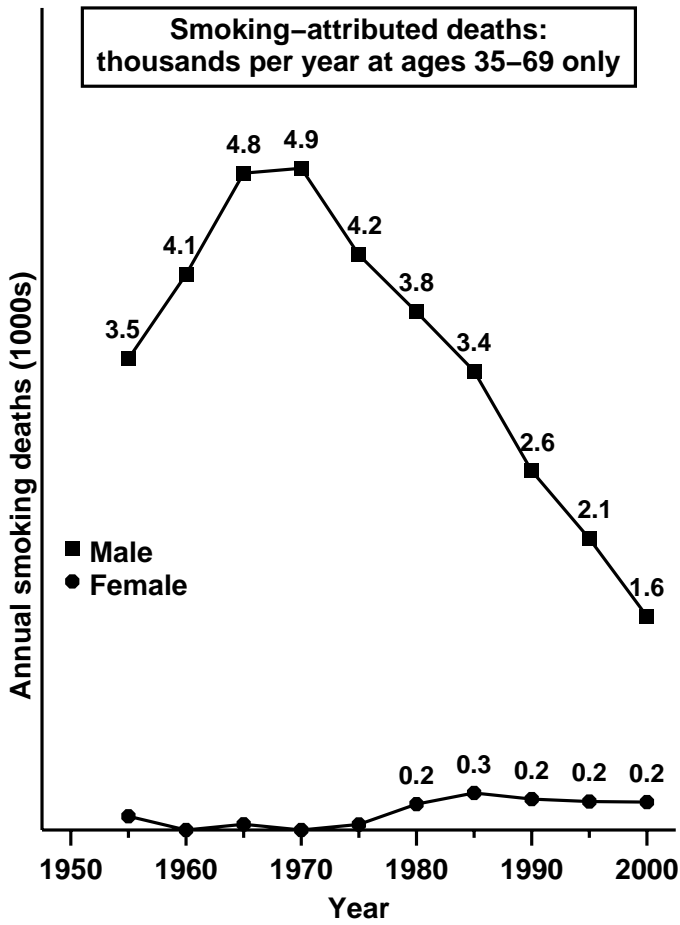
50-year total* (thousands), mid-1950 to mid-2000: 301 / 2256

1950-2000 by age & sex:

-/104	180/553 (33%)	104/512 (20%)	284/1169	-/53	6.7/289 (2%)	10/745 (1%)	17/1087
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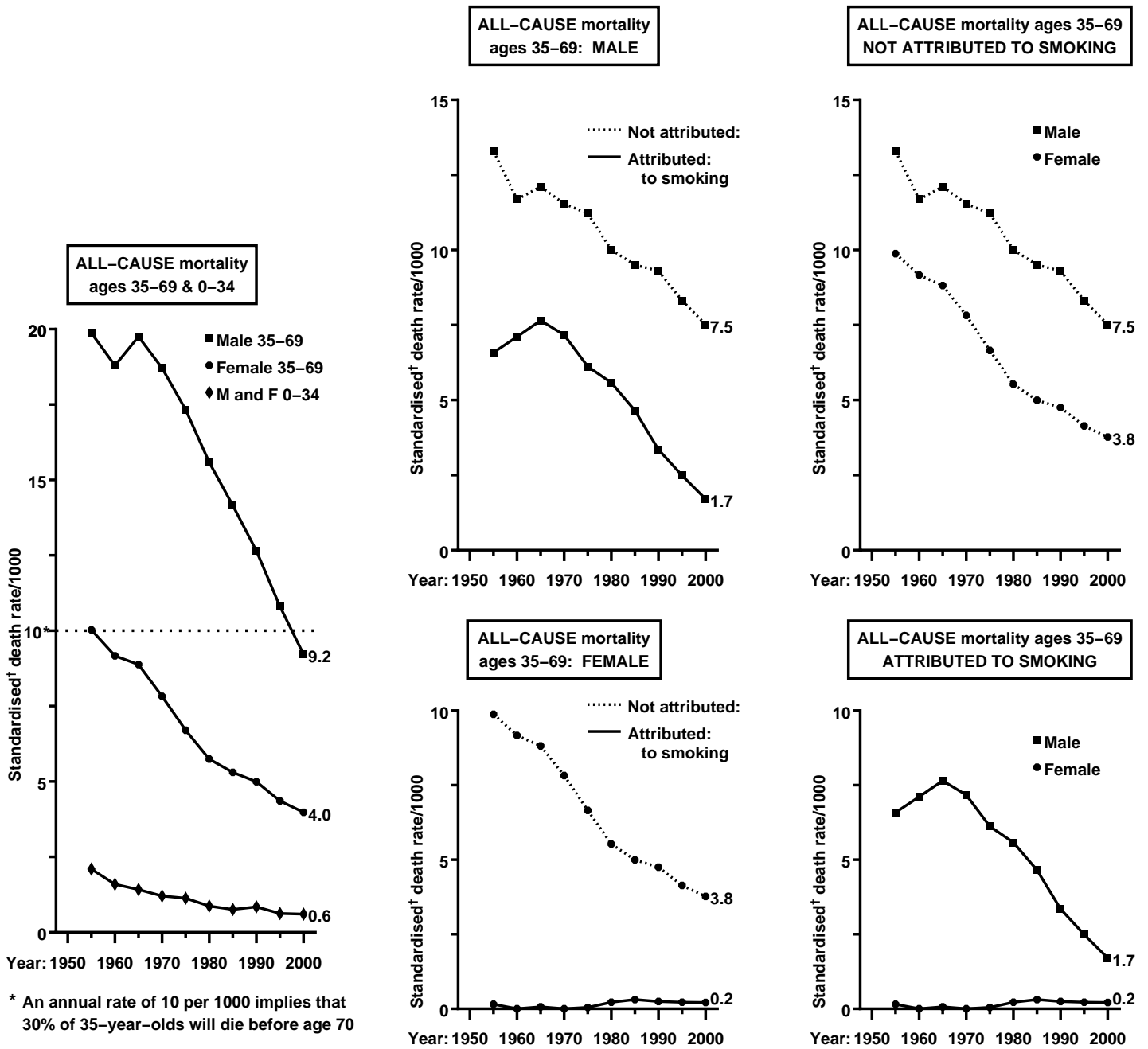
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: FINLAND



FINLAND: 1955-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

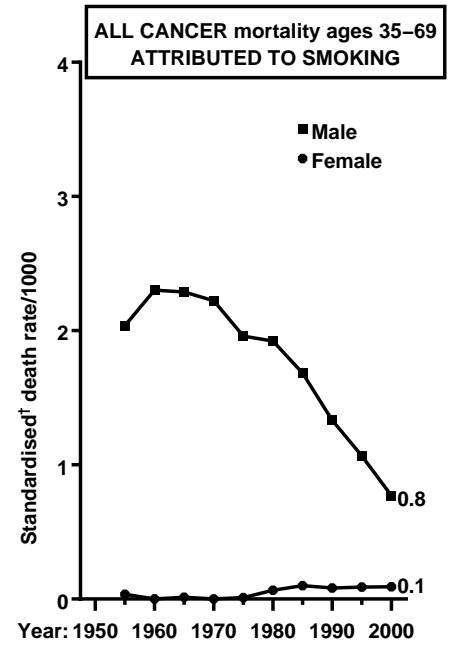
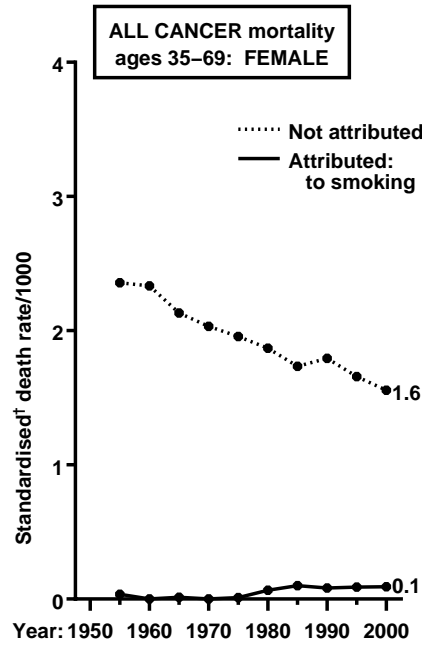
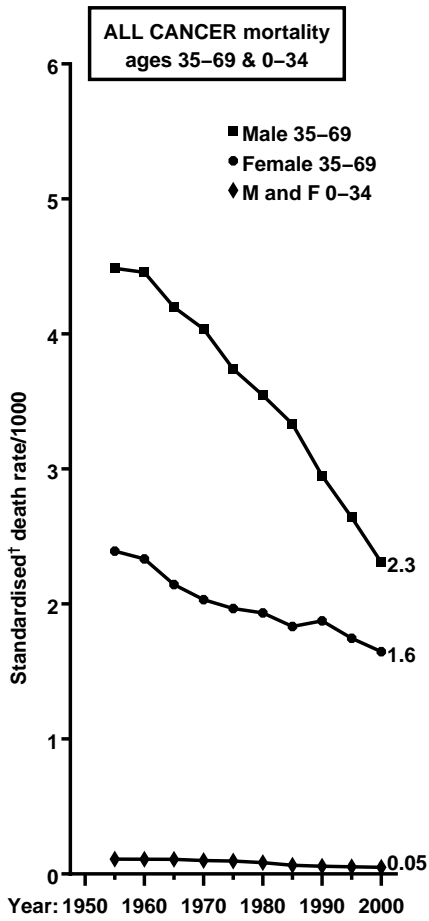
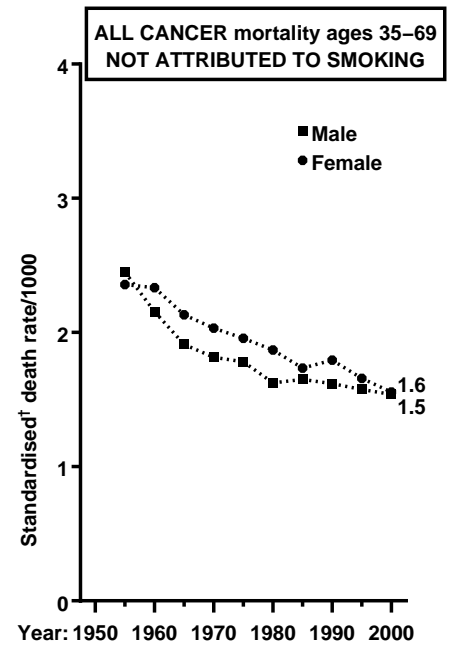
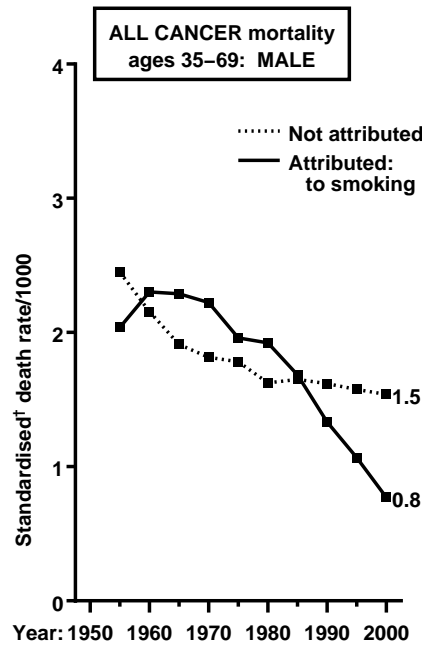
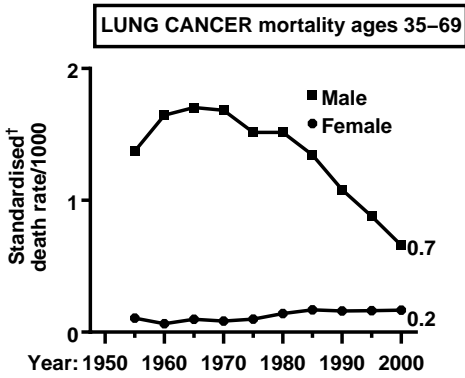
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	2.58	6.58	13.3	12.0	80.3	-	1.60	0.15	9.88	0.00	71.5	-	1.60	0.15	9.88
1960	-	2.03	7.11	11.7	16.0	75.5	-	1.15	0.00	9.16	0.00	70.4	-	1.15	0.00	9.16
1965	-	1.85	7.65	12.1	20.2	75.5	-	0.98	0.06	8.81	0.00	71.2	-	0.98	0.06	8.81
1970	-	1.62	7.17	11.5	21.6	67.8	-	0.78	0.00	7.82	0.00	59.1	-	0.78	0.00	7.82
1975	-	1.55	6.11	11.2	20.0	61.7	-	0.70	0.05	6.65	0.23	48.6	-	0.70	0.05	6.65
1980	-	1.21	5.58	10.0	21.5	54.1	-	0.53	0.22	5.52	1.27	39.9	-	0.53	0.22	5.52
1985	-	1.05	4.65	9.50	19.2	55.5	-	0.46	0.31	4.99	1.15	38.7	-	0.46	0.31	4.99
1990	-	1.15	3.35	9.30	15.5	50.8	-	0.53	0.24	4.75	1.29	35.3	-	0.53	0.24	4.75
1995	-	0.87	2.49	8.32	13.5	46.2	-	0.37	0.22	4.14	1.27	30.7	-	0.37	0.22	4.14
2000	-	0.82	1.70	7.51	11.1	40.2	-	0.38	0.21	3.77	1.46	25.8	-	0.38	0.21	3.77

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000: FINLAND

Trends in ALL CANCER mortality attributed and not attributed to smoking



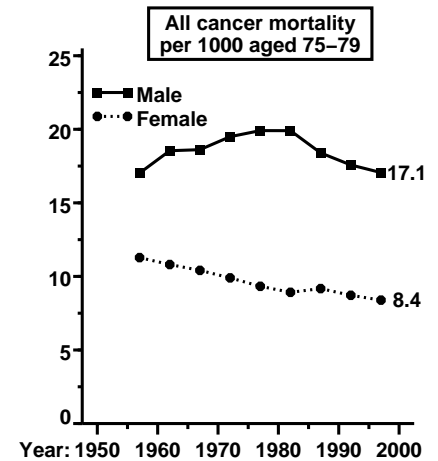
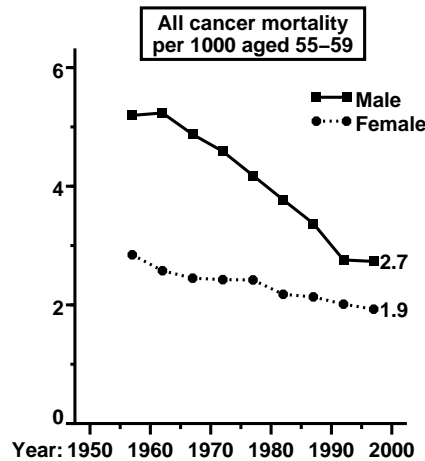
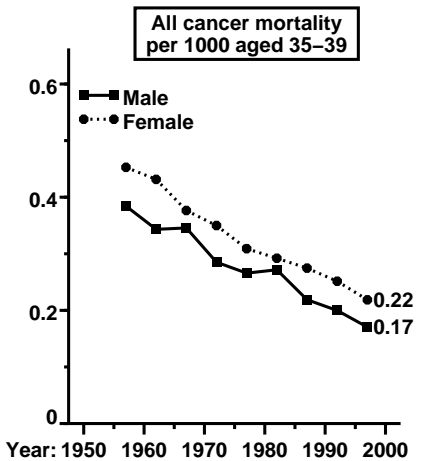
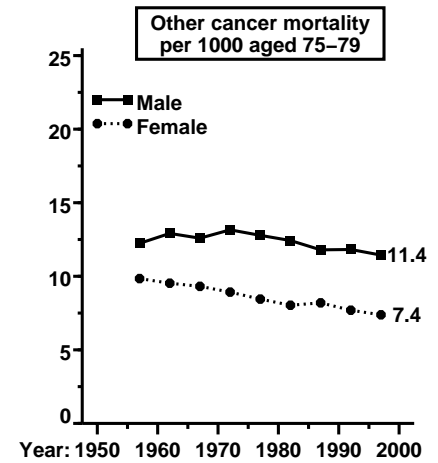
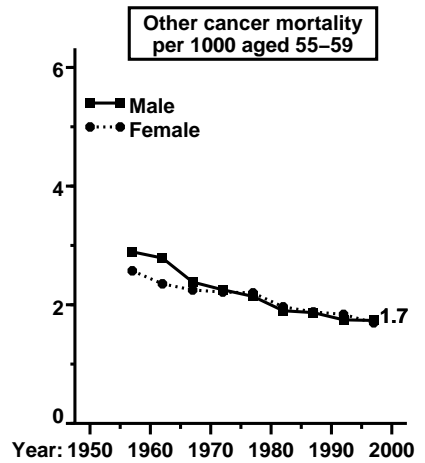
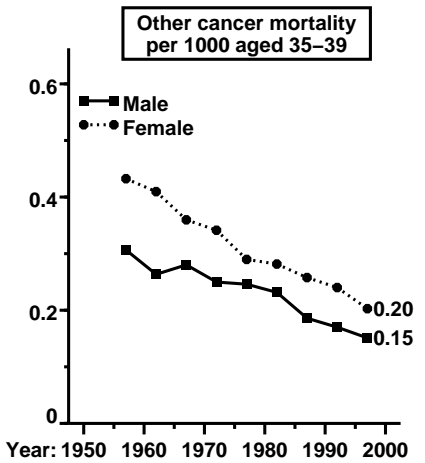
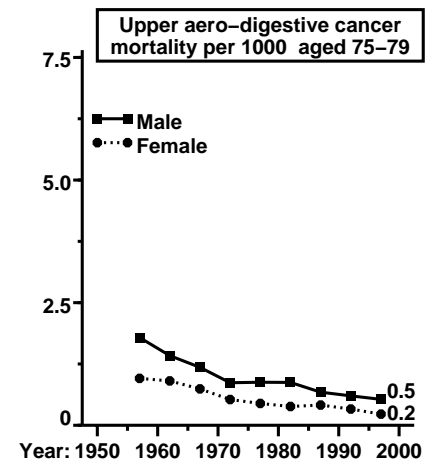
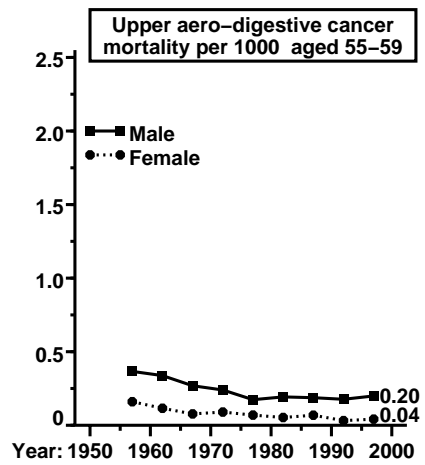
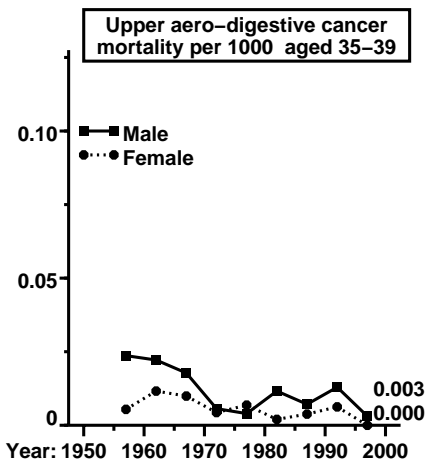
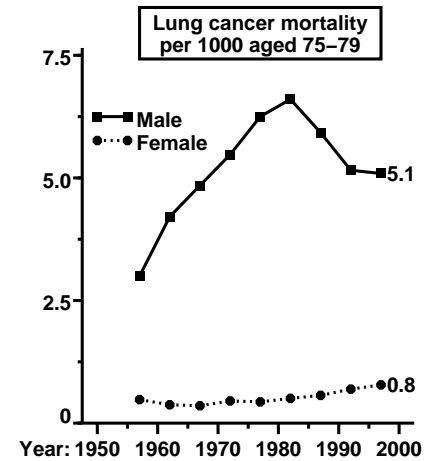
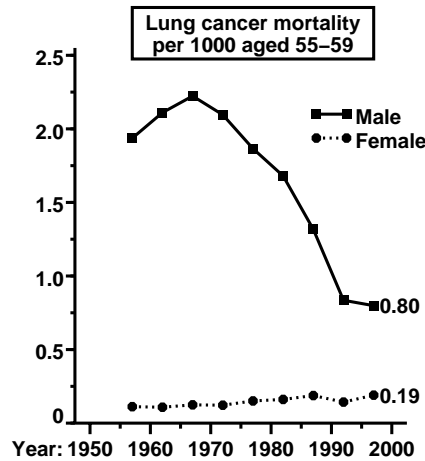
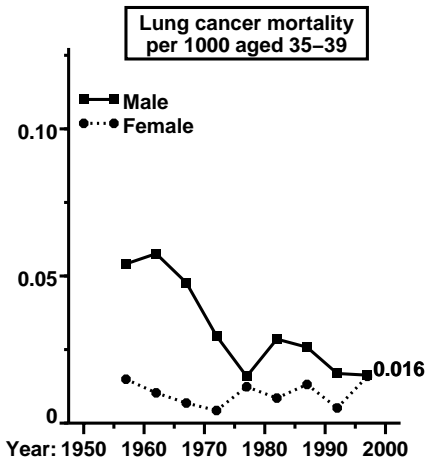
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)								
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79		
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	
1955	-	0.13	2.04	2.45	4.33	11.7	-	0.09	0.03	2.36	0.00	9.68	-	0.00	10.2	0.00	9.14
1960	-	0.11	2.30	2.15	5.65	11.6	-	0.10	0.00	2.33	0.00	10.2	-	0.09	8.47	0.07	7.88
1965	-	0.12	2.29	1.91	6.74	10.1	-	0.10	0.01	2.13	0.00	9.14	-	0.08	7.88	0.36	7.16
1970	-	0.11	2.22	1.81	7.63	10.4	-	0.09	0.00	2.03	0.00	8.47	-	0.06	7.16	0.34	7.76
1975	-	0.11	1.96	1.78	7.37	9.62	-	0.08	0.01	1.96	0.07	7.88	-	0.06	7.16	0.43	7.22
1980	-	0.10	1.92	1.62	8.76	9.16	-	0.06	0.06	1.87	0.36	7.16	-	0.06	7.16	0.43	6.90
1985	-	0.08	1.68	1.65	7.43	8.86	-	0.05	0.10	1.73	0.34	7.76	-	0.06	7.16	0.55	6.75
1990	-	0.05	1.33	1.62	6.68	9.12	-	0.06	0.08	1.79	0.43	7.22	-	0.05	6.90	0.55	6.75
1995	-	0.05	1.07	1.57	6.18	9.18	-	0.05	0.09	1.66	0.43	6.90	-	0.05	6.90	0.55	6.75
2000	-	0.05	0.77	1.54	5.12	8.38	-	0.05	0.09	1.55	0.55	6.75	-	0.05	6.75	0.55	6.75

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

FINLAND: 1955-2000

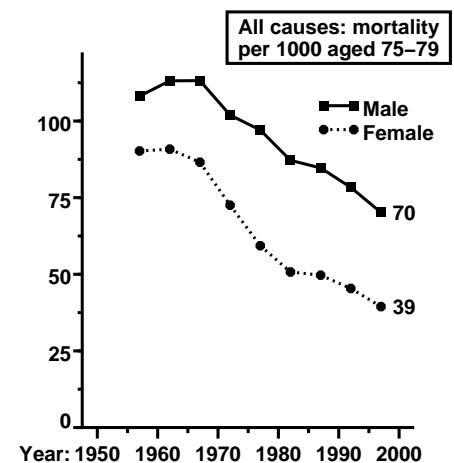
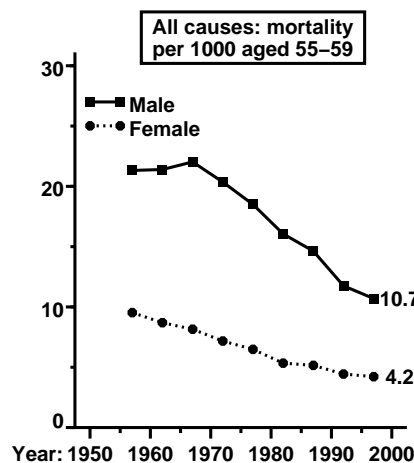
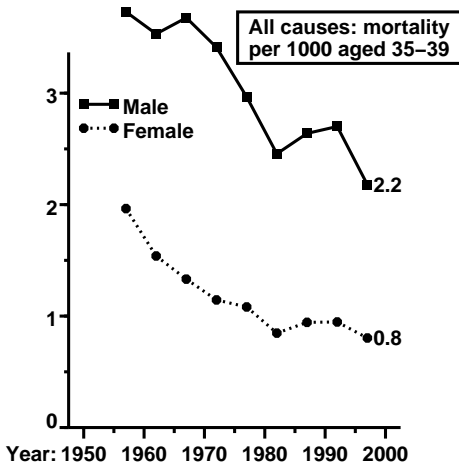
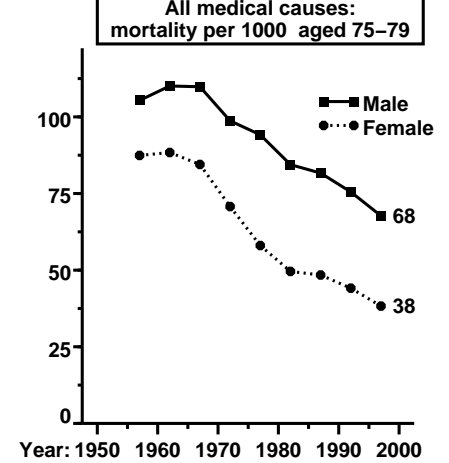
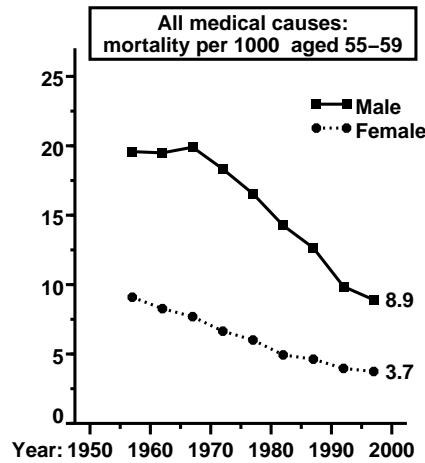
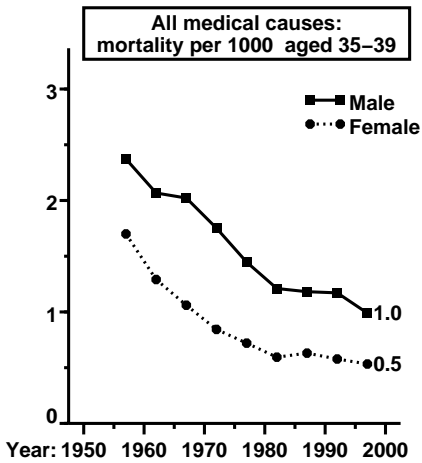
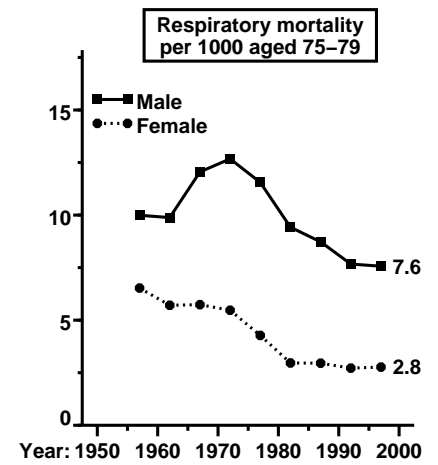
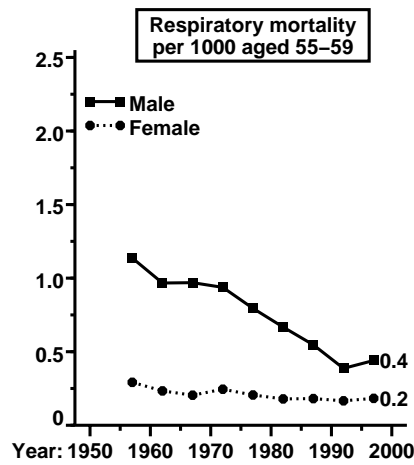
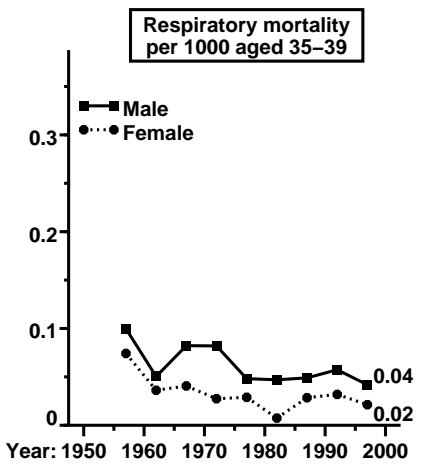
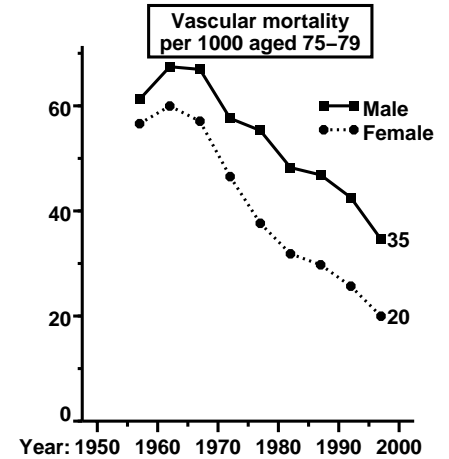
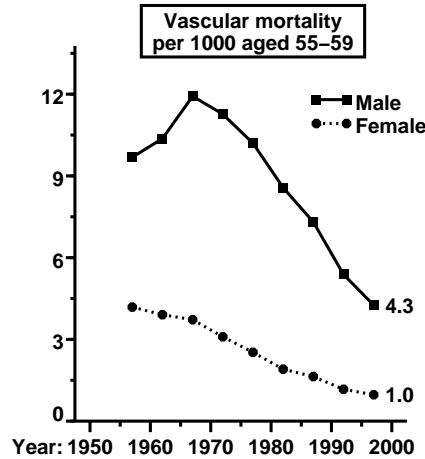
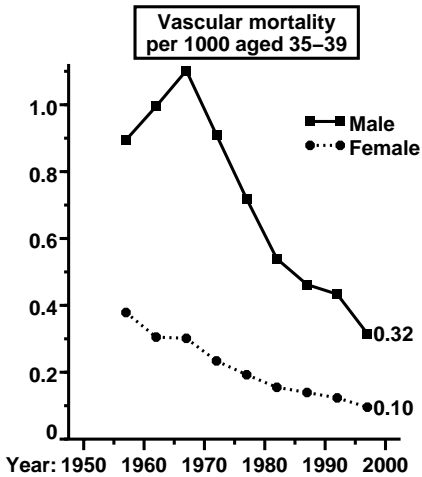
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1955-59,.....,1995-99; year 2000 on pages 176-177

1955-2000: FINLAND

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1955-59,.....,1995-99; year 2000 on pages 176-177

FRANCE: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	272040	11341	91484	833.7	80.3	868.3	126.1	14.4	19.0	67.0	100.7	108.1	126.5
	F	258810	5259	40871	463.7	39.0	359.4	96.1	10.9	12.8	29.2	33.6	33.9	56.5
Tuberculosis	M	610	5	157	1.8	0.0	1.5	-	-	-	-	0.1	0.2	-
	F	480	2	42	0.8	0.0	0.4	-	-	-	0.1	-	-	0.0
HIV	M	800	133	641	2.7	0.9	4.7	0.1	0.1	-	0.1	0.3	1.1	4.8
	F	212	59	144	0.7	0.4	1.0	0.1	-	-	-	0.1	0.4	2.2
Other infective and parasitic	M	4029	160	1186	12.3	1.2	11.3	5.2	0.1	0.4	0.3	0.3	1.0	0.9
	F	4484	109	601	7.9	0.8	5.4	3.2	0.3	0.4	0.3	0.3	0.4	0.8
ALL CANCER	M	86738	803	38447	269.9	5.6	375.8	3.1	3.1	2.1	5.3	5.7	8.0	12.1
	F	56908	665	19617	125.3	4.7	173.5	3.1	2.0	2.1	3.2	3.5	6.3	12.9
Mouth and pharynx cancer	M	3911	13	2734	13.1	0.1	25.1	0.1	-	-	0.1	0.2	0.1	0.2
	F	732	5	374	1.8	0.0	3.2	-	-	-	0.1	-	0.0	0.1
Oesophagus cancer	M	3477	1	2054	11.2	0.0	19.7	-	-	-	-	-	-	0.0
	F	695	2	269	1.6	0.0	2.4	-	-	-	-	0.1	-	0.0
Stomach cancer	M	3157	16	1195	9.6	0.1	11.8	-	-	-	0.1	-	0.1	0.6
	F	2011	15	483	3.9	0.1	4.3	-	-	-	-	0.1	0.2	0.5
Colorectal cancer	M	8345	29	2783	25.1	0.2	28.3	0.1	-	-	0.1	0.1	0.2	1.0
	F	7605	21	1825	14.9	0.1	16.7	-	-	-	-	0.2	0.2	0.7
Liver cancer	M	4608	12	2071	14.2	0.1	21.3	-	0.1	-	0.1	0.1	0.2	0.1
	F	1233	8	312	2.5	0.1	2.9	0.1	-	-	-	0.2	0.0	0.1
Pancreas cancer	M	3631	10	1686	11.4	0.1	16.8	-	-	-	0.1	-	0.2	0.2
	F	3205	4	885	6.6	0.0	8.2	-	-	-	-	0.1	0.0	0.1
Larynx cancer	M	1702	2	1105	5.6	0.0	10.4	-	-	-	-	-	-	0.1
	F	149	-	74	0.4	-	0.6	-	-	-	-	-	-	-
Lung cancer	M	20585	33	11476	65.9	0.2	111.6	0.1	-	-	0.1	0.1	0.3	1.1
	F	4246	23	2030	10.5	0.2	17.6	0.1	-	-	0.1	0.1	0.2	0.8
Malignant melanoma	M	706	37	390	2.3	0.3	3.5	-	-	-	0.1	0.2	0.3	1.1
	F	643	26	287	1.6	0.2	2.4	0.1	-	-	-	0.2	0.7	0.4
Female breast cancer	F	10950	82	5289	27.1	0.6	45.5	-	-	-	-	0.1	0.5	3.3
Cervix cancer	F	689	27	412	1.9	0.2	3.3	-	-	-	-	0.1	0.3	0.9
Other uterine cancer	F	2134	8	708	4.6	0.1	6.3	-	-	-	-	-	0.0	0.3
Ovarian cancer	F	3235	19	1376	7.7	0.1	12.4	-	-	-	-	0.3	0.4	0.3
Prostate cancer	M	9080	-	1397	26.2	-	15.1	-	-	-	-	-	-	-
Bladder cancer	M	3250	3	990	9.7	0.0	10.2	-	-	-	-	-	0.0	0.1
	F	1007	-	155	1.8	-	1.4	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	17791	424	8320	55.9	3.0	79.9	2.1	1.9	1.3	2.9	3.3	4.2	5.2
	F	12411	255	3658	26.2	1.9	32.8	1.8	1.2	1.5	1.8	1.4	2.2	3.1
Hodgkin's disease	M	168	25	82	0.5	0.2	0.7	-	-	0.1	0.2	0.3	0.2	0.5
	F	117	23	35	0.3	0.2	0.3	-	0.1	-	0.2	0.2	0.3	0.4
Myeloma and non- Hodgkin lymphomas	M	3633	63	1308	11.0	0.4	13.0	0.1	0.2	0.2	0.3	0.5	1.0	0.9
	F	3494	33	887	7.1	0.2	8.1	0.2	-	0.1	0.2	0.3	0.3	0.6
Leukaemia	M	2694	135	856	8.2	1.0	8.4	0.8	0.9	0.5	1.5	1.0	1.1	0.9
	F	2352	114	558	4.8	0.8	5.0	0.9	0.7	0.5	1.0	0.5	0.9	1.3
Diabetes	M	4951	23	1369	14.7	0.2	13.8	-	-	0.1	0.1	0.2	0.4	0.5
	F	5865	10	754	10.0	0.1	7.1	-	-	-	0.1	0.2	0.0	0.2
ALL VASCULAR DISEASE	M	75140	455	17694	222.7	3.2	174.3	3.5	0.5	0.8	2.0	3.4	4.6	7.3
	F	86773	303	6026	134.9	2.2	54.9	3.1	0.3	1.0	1.2	1.6	2.5	5.6
Rheumatic heart disease and fever	M	622	3	183	1.9	0.0	1.8	-	-	-	-	0.1	-	0.0
	F	1164	8	171	2.1	0.1	1.6	0.1	-	0.1	0.1	-	-	0.1
Hypertensive disease	M	2735	3	659	8.1	0.0	6.6	-	-	-	-	0.1	-	0.1
	F	4891	3	302	7.5	0.0	2.8	-	-	0.1	-	-	0.0	0.0
Ischaemic heart disease	M	25339	63	7470	75.9	0.4	72.9	0.3	-	-	0.2	0.3	0.6	1.6
	F	19991	18	1514	31.4	0.1	14.0	-	-	0.1	0.1	-	0.2	0.5
Pulmonary embolism and other venous	M	2319	20	584	6.9	0.1	5.7	-	-	-	0.1	0.1	0.2	0.6
	F	4118	33	486	6.9	0.2	4.4	-	0.1	-	0.3	0.6	0.4	0.3
Cerebrovascular disease	M	15940	112	3065	46.7	0.8	30.5	0.8	0.2	0.3	0.4	1.0	1.3	1.5
	F	22464	103	1687	35.4	0.7	15.1	1.0	0.1	0.3	0.2	0.3	0.9	2.4
Other vascular disease	M	28185	254	5733	83.3	1.8	56.6	2.4	0.4	0.5	1.4	1.9	2.5	3.5
	F	34145	138	1866	51.6	1.0	16.9	2.1	0.1	0.5	0.5	0.6	1.0	2.3
Chronic obstructive pulmonary disease	M	5862	44	1247	17.2	0.3	12.8	0.3	0.2	0.3	0.3	0.3	0.4	0.5
	F	3661	27	526	6.4	0.2	4.7	0.1	-	0.2	0.3	0.2	0.2	0.5
Other respiratory disease	M	12451	101	1897	36.5	0.7	19.2	1.5	0.1	0.3	0.6	0.8	0.7	1.2
	F	13692	80	746	20.7	0.6	6.8	1.3	0.1	0.2	0.4	0.7	0.7	0.8
Peptic ulcer	M	503	9	121	1.5	0.1	1.2	-	-	-	0.1	-	0.1	0.2
	F	522	2	48	0.8	0.0	0.4	-	-	0.1	-	-	-	0.0
Liver cirrhosis	M	5975	40	4390	20.0	0.3	40.3	0.1	-	-	-	-	0.3	1.5
	F	2544	31	1773	7.4	0.2	15.1	0.1	-	0.1	0.1	0.1	0.1	1.1
Renal disease	M	2663	24	433	7.8	0.2	4.4	0.5	-	0.1	-	0.1	0.3	0.2
	F	2684	12	244	4.3	0.1	2.2	0.1	-	-	0.1	0.1	0.1	0.3
Pregnancy, birth congenital and perinatal causes	F	50	32	18	0.2	0.2	0.1	-	-	-	-	0.2	0.5	0.8
	M	1760	1442	206	7.0	10.8	1.7	68.9	1.1	1.3	1.2	1.0	1.3	1.1
	F	1370	1055	171	5.4	8.3	1.4	53.2	1.1	0.9	0.8	0.9	0.5	1.0
Ill-defined causes	M	14087	1225	4706	44.0	8.7	42.0	18.9	0.9	0.7	4.0	9.2	12.1	15.0
	F	18432	571	1762	30.5	4.3	15.0	13.2	0.7	0.4	1.9	4.3	3.4	5.8
Other medical causes	M	31718	991	8418	95.5	7.0	78.3	12.8	2.4	3.1	4.8	6.2	7.5	12.4
	F	44450	600	4427	73.0	4.5	39.1	10.5	2.8	2.4	2.8	3.4	3.6	5.9
ALL NON- MEDICAL CAUSES	M	24753	5886	10572	80.0	41.1	86.8	11.2	6.1	10.0	48.6	73.2	70.1	68.8
	F	16683	1701	3972	35.3	12.4	32.1	8.1	3.6	5.1	18.1	18.3	15.0	18.6
Motor vehicle traffic accidents	M	5390	2760	1989	18.2	19.4	15.9	3.0	2.9	5.1	30.3	41.9	31.2	21.6
	F	1899	768	703	5.8	5.6	5.6	1.7	1.5	2.6	11.2	10.1	7.0	5.4
Fire	M	278	54	159	0.9	0.4	1.3	0.8	0.4	0.2	0.3	0.5	0.3	0.3
	F	165	33	64	0.5	0.3	0.5	0.8	0.1	0.3	-	0.3	0.1	0.2
Suicide	M	7973	1594	4551	26.0	11.0	36.3	-	0.1	1.7	7.5	16.6	21.9	29.0
	F	2864	435	1716	8.5	3.1	13.5	-	-	0.4	3.4	3.9	5.2	8.6
Homicide	M	311	136	152	1.1	1.0	1.1	1.3	0.6	0.4	0.7	1.2	1.2	1.4
	F	192	70	95	0.6	0.5	0.7	0.8	0.4	0.4	0.3	0.7	0.5	0.6
POPULATION:			M=male		28886	13930	12369	1892	1850	1966	2000	1943	2138	2140
(1000s; UN, 2002 revision)			F=female		30410	13450	1							

2000: FRANCE

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
181.4	301.0	466.8	664.4	936.7	1383.9	2144.4	3268.8	5214.4	13331.5	M	ALL CAUSES	001-999/A00-Y89
87.5	135.6	209.8	279.1	388.0	553.6	861.9	1444.9	2644.1	10606.6	F		
0.3	0.5	0.7	0.7	2.2	2.2	4.2	6.2	16.3	36.1	M	Tuberculosis	010-018, 137/
0.0	0.2	0.2	0.1	0.4	0.6	1.2	4.7	8.0	18.0	F		A15-A19, B90
9.0	8.5	4.7	2.9	3.3	2.8	1.9	1.5	0.6	0.7	M	HIV	279.5, 279.6/B20-B24
2.7	1.1	1.2	0.5	0.6	0.9	0.3	0.2	0.2	0.3	F		
2.9	3.8	5.2	8.4	10.7	18.3	30.0	49.3	78.4	220.6	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.0	1.5	2.7	3.2	5.6	9.1	14.7	26.9	48.7	185.5	F		
26.3	75.6	168.7	289.3	440.3	660.3	970.3	1312.3	1744.0	2773.1	M	ALL CANCER	140-208/C00-C97
31.2	58.7	98.9	143.1	212.0	279.5	391.4	542.0	734.0	1320.4	F		
1.4	7.3	18.0	30.2	35.2	42.3	41.2	45.6	43.6	45.8	M	Mouth and pharynx cancer	140-149/C00-C14
0.4	1.5	3.5	3.3	4.4	4.7	4.4	5.4	6.0	13.4	F		
1.1	4.1	10.9	18.0	25.5	34.3	43.8	51.4	57.6	57.4	M	Oesophagus cancer	150/C15
0.1	0.6	1.3	1.9	3.2	4.2	5.7	6.7	7.8	15.5	F		
1.1	2.5	4.4	8.2	11.9	21.6	32.9	47.3	69.9	125.8	M	Stomach cancer	151/C16
1.2	1.6	1.9	2.9	3.6	5.9	12.9	15.8	25.4	64.7	F		
1.6	3.8	8.0	15.3	30.5	49.6	89.6	136.4	205.9	345.8	M	Colorectal cancer	153, 154/C18-C21
1.0	2.9	7.4	10.9	17.6	30.2	46.9	71.6	104.7	229.3	F		
0.8	2.2	5.0	10.6	21.6	40.3	69.0	91.7	99.0	105.2	M	Liver cancer	155.0/C22 excl C221
0.4	0.5	0.9	1.0	3.6	4.4	9.5	14.6	19.2	31.2	F		
0.9	3.0	5.7	11.4	22.0	32.7	41.6	58.6	72.9	102.6	M	Pancreas cancer	157/C25
0.5	1.1	2.6	5.3	10.2	15.4	22.5	34.3	50.6	80.0	F		
0.3	2.7	6.3	11.4	14.8	15.9	20.9	22.8	22.0	24.4	M	Larynx cancer	161/C32
-	0.1	0.8	0.5	0.9	0.8	1.4	1.5	1.2	2.6	F		
5.2	22.4	52.0	92.5	138.8	201.0	269.3	328.0	362.4	372.4	M	Lung cancer	162/C33, C34
2.2	8.7	11.9	16.4	23.3	25.7	35.3	43.7	53.1	60.9	F		
1.2	1.7	2.5	3.4	3.8	4.6	7.7	8.7	10.5	14.4	M	Malignant melanoma	172/C43
1.3	1.5	1.9	2.5	2.9	3.1	3.4	5.4	6.1	11.8	F		
11.4	19.9	31.7	46.9	61.9	66.4	80.1	96.6	114.5	185.8	F	Female breast cancer	174/C50
2.6	3.1	2.7	3.8	3.6	3.3	3.8	4.9	5.7	7.3	F	Cervix cancer	180/C53
1.5	1.8	3.0	4.9	6.7	11.1	15.2	23.4	29.6	47.9	F	Other uterine cancer	179, 182/C54, C55
1.2	3.2	6.0	9.6	16.1	22.6	28.2	35.2	42.6	54.1	F	Ovarian cancer	183/C56, C570-C574
0.0	0.2	1.3	3.8	9.2	28.6	62.8	117.1	235.8	655.8	M	Prostate cancer	185/C61
0.3	0.9	2.4	6.0	8.9	18.7	34.0	50.7	76.7	157.7	M	Bladder cancer	188/C67
-	0.0	0.9	0.8	1.6	3.1	3.7	8.7	13.6	37.3	F		
8.6	19.3	42.9	66.1	94.1	133.2	194.7	254.9	331.9	521.0	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
5.1	9.1	17.2	23.8	37.9	54.3	82.2	113.8	163.4	323.2	F		
0.4	0.5	0.6	0.5	0.7	1.1	1.2	1.3	2.2	4.3	M	Hodgkin's disease	201/C81
0.2	0.2	0.1	0.1	0.5	0.4	0.6	0.8	1.7	1.8	F		
1.8	2.6	4.7	7.2	14.5	22.3	38.0	56.9	88.0	134.9	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.0	1.7	2.8	5.2	9.0	14.4	22.9	38.5	56.5	88.3	F		
1.7	2.3	3.7	4.8	8.6	14.0	23.6	40.8	65.6	105.5	M	Leukaemia	204-208/C91-C95
1.1	1.2	2.2	3.4	5.1	9.4	12.9	21.2	32.2	65.2	F		
1.2	2.0	4.2	8.0	13.5	20.9	47.1	73.7	119.4	260.7	M	Diabetes	250/E10-E14
0.6	0.5	1.6	3.1	5.4	12.2	26.5	47.3	82.4	226.8	F		
18.4	42.6	72.6	113.8	173.6	289.6	509.2	920.5	1684.3	4863.2	M	ALL VASCULAR DISEASE	390-459/I00-I99
7.5	13.1	22.8	31.9	48.1	85.1	175.5	385.8	867.7	4272.3	F		
-	0.4	0.8	0.9	1.9	3.3	5.6	8.2	15.3	32.4	M	Rheumatic heart disease and fever	390-398/I00-I09
0.1	0.2	0.2	0.5	1.6	3.4	5.3	10.2	18.7	40.4	F		
0.3	1.4	2.1	3.9	6.7	11.5	20.5	29.4	57.2	188.3	M	Hypertensive disease	401-405/I10-I15
0.1	0.4	0.5	1.7	2.9	4.7	9.5	22.2	48.3	244.3	F		
7.4	18.1	32.3	53.3	75.1	122.4	201.9	346.7	578.8	1361.5	M	Ischaemic heart disease	410-414/I20-I25
1.1	2.5	5.2	7.2	11.8	19.8	50.1	106.7	233.9	934.3	F		
0.7	1.8	2.7	3.3	5.8	8.6	17.2	29.6	50.9	143.2	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.6	1.3	2.1	2.8	3.9	7.2	12.8	21.9	44.6	182.0	F		
3.5	6.8	12.4	16.9	28.4	50.1	95.7	190.9	384.1	1104.8	M	Cerebrovascular disease	430-438/I60-I69
3.2	4.6	7.7	8.9	13.9	22.0	45.6	107.5	248.3	1069.1	F		
6.5	14.2	22.2	35.6	55.8	93.7	168.3	315.8	598.0	2033.0	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
2.3	4.3	7.1	10.8	13.9	27.9	52.0	117.3	273.9	1802.3	F		
0.8	1.4	3.3	6.9	10.1	21.3	45.8	81.1	132.0	382.3	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.8	1.1	2.2	3.2	4.2	7.4	14.3	25.3	41.4	148.7	F		
1.3	3.4	5.9	10.1	18.3	30.9	64.8	130.9	248.9	1025.6	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.3	2.1	2.6	3.8	4.7	11.4	21.3	44.4	109.0	724.3	F		
0.1	0.3	0.6	0.8	1.3	2.1	3.1	5.4	11.6	32.1	M	Peptic ulcer	531-533/K25-K27
-	0.1	0.3	0.3	0.4	0.6	1.2	3.2	6.2	23.2	F		
6.6	16.2	28.6	40.4	49.6	64.2	76.3	68.5	57.2	48.9	M	Liver cirrhosis	571/K70, K74
2.9	7.5	11.8	16.8	19.6	24.1	23.3	21.1	19.8	13.1	F		
0.3	0.5	1.4	2.1	4.3	7.6	14.6	28.1	52.8	215.4	M	Renal disease	580-590/N00-N19
0.2	0.8	0.8	1.0	2.1	3.2	7.5	13.9	28.9	124.6	F		
0.5	0.3	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
1.1	1.4	1.6	1.8	2.2	2.1	2.1	3.3	3.2	7.4	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.8	1.0	0.9	1.8	1.9	2.0	1.4	2.4	2.1	5.5	F		
18.2	24.4	30.9	37.1	47.6	56.4	79.4	112.6	191.9	786.5	M	Ill-defined causes	780-799/R00-R99
6.7	7.6	11.5	11.5	14.8	21.1	31.8	56.3	120.6	918.9	F		
19.6	34.4	51.5	60.9	79.5	117.0	184.8	327.1	627.2	1995.6	M	Other medical causes	Rest of 001-799/ rest of A00-R99
9.1	15.1	21.0	28.1	36.1	59.8	104.8	199.8	449.4	2063.4	F		
75.3	86.0	86.9	80.9	80.0	88.1	110.7	148.3	246.5	683.5	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
22.1	24.9	31.3	30.7	32.0	36.8	46.8	71.5	125.5	561.7	F		
17.2	17.4	17.5	13.6	15.5	14.5	16.0	17.3	27.9	32.7	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
5.3	4.6	5.7	5.1	5.5	6.3	6.5	9.2	11.9	9.9	F		
1.2	1.3	1.7	0.9	1.2	1.5	1.4	1.0	2.4	5.0	M	Fire	E890-E899/X00-X09
0.3	0.4	0.8	0.5	0.6	0.3	0.5	0.7	1.4	2.7	F		
37.2	42.6	39.4	34.1	29.7	32.7	38.5	46.8	67.2	112.6	M	Suicide	E950-E959/X60-X84
10.6	12.9	15.3	14.1	13.8	13.5	14.3	16.0	17.1	18.3	F		
1.8	1.3	1.6	1.1	0.9	0.8	0.5	0.7	0.8	1.3	M	Homicide	E960-E969/ X85-X99, Y00-Y09
0.8	0.8	0.8	0.8	0.5	1.0	0.3	0.6	0.8	0.6	F		
2174	2118	2095	2050	1382	1299	1252	1073	835	680	M	POPULATION	
2195	2160	2128	2055	1401	1399	1466	1397	1258	1501	F	(1000s; UN, 2002 revision)	

FRANCE: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	14879	886	49	25	812	80	156	527	92	5757	7381
35-69	Sm.	33577	19597	11059	4913	3625	1647	599	6138	-	5596	-
	Total	99543 (34%)	41363 (47%)	11897 (93%)	7367 (67%)	22099 (16%)	2117 (78%)	2052 (29%)	20734 (30%)	4808	16964 (33%)	11505
70+	Sm.	26715	12540	7431	1735	3374	4854	854	5453	-	3014	-
	Total	160684 (17%)	44178 (28%)	8379 (89%)	3227 (54%)	32572 (10%)	7141 (68%)	9446 (9%)	57700 (9%)	1496	32472 (9%)	8251
Any age	Sm.	60292	32137	18490	6648	6999	6501	1453	11591	-	8610	-
	Total	275106 (22%)	86427 (37%)	20325 (91%)	10619 (63%)	55483 (13%)	9338 (70%)	11654 (12%)	78961 (15%)	6396	55193 (16%)	27137
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	11341	803	33	16	754	44	101	455	40	4012	5886
35-69	Sm.	29656	17710	10611	3850	3249	950	521	5096	-	5379	-
	Total	91484 (32%)	38447 (46%)	11476 (92%)	5893 (65%)	21078 (15%)	1247 (76%)	1897 (27%)	17694 (29%)	4390	17237 (31%)	10572
70+	Sm.	24963	12917	7958	1636	3323	2994	857	4839	-	3356	-
	Total	169215 (15%)	47488 (27%)	9076 (88%)	3181 (51%)	35231 (9%)	4571 (65%)	10453 (8%)	56991 (8%)	1545	39872 (8%)	8295
Any age	Sm.	54619	30627	18569	5486	6572	3944	1378	9935	-	8735	-
	Total	272040 (20%)	86738 (35%)	20585 (90%)	9090 (60%)	57063 (12%)	5862 (67%)	12451 (11%)	75140 (13%)	5975	61121 (14%)	24753

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)														
1995		28309	14233	11795	2138	2128	2102	1436	1380	1376	1235	1042	490	748
2000		28886	13930	12369	2174	2118	2095	2050	1382	1299	1252	1073	835	680
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		275106	14879	99543	5280	7366	10532	10102	14299	22052	29912	36271	28483	95930
2000		272040	11341	91484	3942	6374	9777	13618	12946	17971	26856	35058	43556	90601
Lung cancer														
1995		20325	49	11897	189	532	1133	1361	1967	2964	3751	3525	1995	2859
2000		20585	33	11476	112	475	1090	1897	1919	2610	3373	3518	3027	2531
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
1995		893.7*	102.6*	979.8*	246.9	346.2	501.2	703.6	1035.9	1602.4	2422.2	3479.9	5808.1	12828.3
2000		833.7*	80.3*	868.3*	181.4	301.0	466.8	664.4	936.7	1383.9	2144.4	3268.8	5214.4	13331.5
All cancer														
1995		290.7*	6.1*	419.8*	34.5	87.8	183.0	308.1	481.1	759.0	1085.3	1382.6	1952.1	2700.5
2000		269.9*	5.6*	375.8*	26.3	75.6	168.7	289.3	440.3	660.3	970.3	1312.3	1744.0	2773.1
Lung cancer														
1995		70.3*	0.3*	120.6*	8.8	25.0	53.9	94.8	142.5	215.4	303.7	338.2	406.8	382.3
2000		65.9*	0.2*	111.6*	5.2	22.4	52.0	92.5	138.8	201.0	269.3	328.0	362.4	372.4
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		37.8*	0.2*	72.8*	4.8	19.8	44.7	69.4	95.3	130.6	145.2	137.2	151.3	141.1
2000		29.9*	0.1*	55.1*	2.8	14.2	35.3	59.6	75.5	92.5	105.9	119.8	123.2	127.6
Other cancer														
1995		182.5*	5.6*	226.4*	20.9	43.0	84.4	143.8	243.3	413.0	636.3	907.2	1394.0	2177.1
2000		174.2*	5.3*	209.1*	18.3	39.0	81.4	137.2	225.9	366.9	595.1	864.4	1258.5	2273.1
Chronic obstructive pulmonary disease (COPD)														
1995		29.0*	0.5*	22.3*	1.6	2.3	5.9	9.9	17.7	39.9	79.0	126.5	252.0	613.4
2000		17.2*	0.3*	12.8*	0.8	1.4	3.3	6.9	10.1	21.3	45.8	81.1	132.0	382.3
Other respiratory disease														
1995		35.3*	1.1*	20.9*	2.8	5.5	8.3	10.5	17.2	35.5	66.6	122.2	262.2	920.8
2000		36.5*	0.7*	19.2*	1.3	3.4	5.9	10.1	18.3	30.9	64.8	130.9	248.9	1025.6
Vascular disease														
1995		247.3*	3.6*	211.9*	25.5	49.4	79.8	124.2	204.7	358.8	640.8	1067.6	1968.6	4936.9
2000		222.7*	3.2*	174.3*	18.4	42.6	72.6	113.8	173.6	289.6	509.2	920.5	1684.3	4863.2
Liver cirrhosis														
1995		23.0*	0.6*	46.3*	10.3	18.1	30.3	40.5	61.4	82.0	81.5	72.3	74.0	50.7
2000		20.0*	0.3*	40.3*	6.6	16.2	28.6	40.4	49.6	64.2	76.3	68.5	57.2	48.9
Other medical causes														
1995		177.7*	40.6*	158.7*	88.5	88.0	101.9	121.8	153.4	218.8	338.5	525.7	1023.9	2938.2
2000		187.3*	29.0*	159.1*	52.7	75.8	100.9	122.8	164.7	229.5	367.3	607.2	1101.4	3555.0
All non-medical causes														
1995		90.9*	50.1*	99.8*	83.7	95.0	92.0	88.7	100.3	108.3	130.6	183.0	275.3	667.8
2000		80.0*	41.1*	86.8*	75.3	86.0	86.9	80.9	80.0	88.1	110.7	148.3	246.5	683.5

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: FRANCE

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	6763	748	19	11	718	54	95	316	41	3239	2270
35-69	Sm.	2015	990	752	121	117	237	36	361	-	391	-
	Total	43288 (5%)	20110 (5%)	1741 (43%)	732 (17%)	17637 (1%)	797 (30%)	709 (5%)	7446 (5%)	2089	7630 (5%)	4507
70+	Sm.	3333	757	557	78	122	1183	103	771	-	519	-
	Total	206461 (2%)	35350 (2%)	1844 (30%)	780 (10%)	32726 (0%)	5939 (20%)	11544 (1%)	84929 (1%)	854	56921 (1%)	10924
Any age	Sm.	5348	1747	1309	199	239	1420	139	1132	-	910	-
	Total	256512 (2%)	56208 (3%)	3604 (36%)	1523 (13%)	51081 (0%)	6790 (21%)	12348 (1%)	92691 (1%)	2984	67790 (1%)	17701
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5259	665	23	7	635	27	80	303	31	2452	1701
35-69	Sm.	2509	1340	1030	157	153	182	46	378	-	563	-
	Total	40871 (6%)	19617 (7%)	2030 (51%)	717 (22%)	16870 (1%)	526 (35%)	746 (6%)	6026 (6%)	1773	8211 (7%)	3972
70+	Sm.	3450	1014	761	102	151	709	134	861	-	732	-
	Total	212680 (2%)	36626 (3%)	2193 (35%)	852 (12%)	33581 (0%)	3108 (23%)	12866 (1%)	80444 (1%)	740	67886 (1%)	11010
Any age	Sm.	5959	2354	1791	259	304	891	180	1239	-	1295	-
	Total	258810 (2%)	56908 (4%)	4246 (42%)	1576 (16%)	51086 (1%)	3661 (24%)	13692 (1%)	86773 (1%)	2544	78549 (2%)	16683

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
	1995	29831	13829	12227	2165	2139	2073	1420	1430	1519	1480	1397	741	1637
	2000	30410	13450	12804	2195	2160	2128	2055	1401	1399	1466	1397	1258	1501
NUMBER OF DEATHS (Source: WHO)														
All causes														
	1995	256512	6763	43288	2163	3179	4391	4127	5810	9315	14303	21695	22194	162572
	2000	258810	5259	40871	1922	2928	4466	5735	5436	7745	12639	20180	33252	159248
Lung cancer														
	1995	3604	19	1741	67	143	186	192	229	382	542	543	376	925
	2000	4246	23	2030	48	188	254	336	326	360	518	610	668	915
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
	1995	476.4*	48.8*	391.0*	99.9	148.6	211.8	290.6	406.4	613.4	966.2	1552.5	2995.1	9932.9
	2000	463.7*	39.0*	359.4*	87.5	135.6	209.8	279.1	388.0	553.6	861.9	1444.9	2644.1	10606.6
All cancer														
	1995	130.7*	5.2*	183.0*	32.1	61.4	101.1	148.8	212.1	302.2	423.3	554.5	817.9	1316.1
	2000	125.3*	4.7*	173.5*	31.2	58.7	98.9	143.1	212.0	279.5	391.4	542.0	734.0	1320.4
Lung cancer														
	1995	9.3*	0.1*	15.7*	3.1	6.7	9.0	13.5	16.0	25.2	36.6	38.9	50.7	56.5
	2000	10.5*	0.2*	17.6*	2.2	8.7	11.9	16.4	23.3	25.7	35.3	43.7	53.1	60.9
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
	1995	3.9*	0.1*	6.6*	0.9	2.6	4.2	6.4	7.6	11.2	13.5	11.8	17.7	29.6
	2000	3.8*	0.0*	6.2*	0.5	2.2	5.7	5.7	8.4	9.7	11.4	13.6	15.0	31.5
Other cancer														
	1995	117.5*	5.0*	160.7*	28.1	52.2	88.0	128.9	188.5	265.9	373.1	503.8	749.5	1230.0
	2000	111.0*	4.5*	149.7*	28.5	47.8	81.3	121.0	180.3	244.0	344.7	484.7	665.9	1228.0
Chronic obstructive pulmonary disease (COPD)														
	1995	11.5*	0.4*	7.4*	0.6	2.0	2.9	4.1	7.3	11.1	23.6	41.5	86.0	288.5
	2000	6.4*	0.2*	4.7*	0.8	1.1	2.2	3.2	4.2	7.4	14.3	25.3	41.4	148.7
Other respiratory disease														
	1995	18.5*	0.7*	6.5*	1.2	1.8	2.9	3.0	5.3	11.3	19.9	41.9	109.7	619.8
	2000	20.7*	0.6*	6.8*	1.3	2.1	2.6	3.8	4.7	11.4	21.3	44.4	109.0	724.3
Vascular disease														
	1995	147.2*	2.2*	69.2*	9.1	14.5	21.8	35.3	56.9	111.0	235.4	473.6	1113.1	4280.7
	2000	134.9*	2.2*	54.9*	7.5	13.1	22.8	31.9	48.1	85.1	175.5	385.8	867.7	4272.3
Liver cirrhosis														
	1995	9.2*	0.3*	18.5*	4.6	9.6	15.8	19.6	23.5	27.2	29.0	26.3	27.3	17.4
	2000	7.4*	0.2*	15.1*	2.9	7.5	11.8	16.8	19.6	24.1	23.3	21.1	19.8	13.1
Other medical causes														
	1995	119.6*	24.1*	68.2*	26.2	30.5	33.9	43.8	62.9	103.8	176.3	332.5	693.9	2879.7
	2000	133.7*	18.7*	72.3*	21.7	28.2	40.2	49.6	67.3	109.4	189.3	354.7	746.7	3566.1
All non-medical causes														
	1995	39.6*	16.0*	38.3*	26.0	28.7	33.4	35.9	38.3	46.8	58.7	82.2	147.2	530.6
	2000	35.3*	12.4*	32.1*	22.1	24.9	31.3	30.7	32.0	36.8	46.8	71.5	125.5	561.7

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

FRANCE: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 11	– / 5.3	–
35–69	30 / 91	2.5 / 41	24 years
70+	25 / 169	3.5 / 213	8 years
All ages	55 / 272	6.0 / 259	17 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

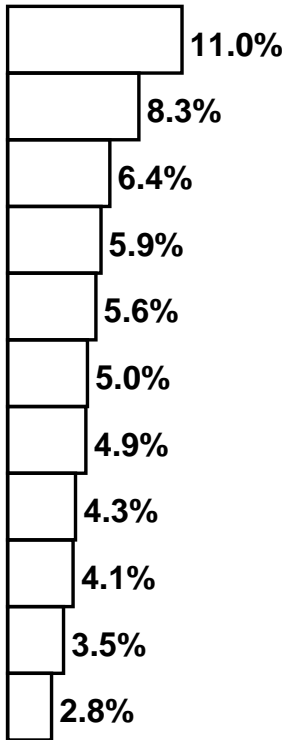
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	11/11	8.0/9.1	19/21	–/0.0	1.0/2.0	0.8/2.2	1.8/4.2
All Cancer	–/0.8	18/38 (46%)	13/47 (27%)	31/87	–/0.7	1.3/20 (7%)	1.0/37 (3%)	2.4/57
Vascular	–/0.5	5.1/18	4.8/57	9.9/75	–/0.3	0.4/6.0	0.9/80	1.2/87
Respiratory	–/0.1	1.5/3.1	3.9/15	5.3/18	–/0.1	0.2/1.3	0.8/16	1.1/17
All Other	–/9.9	5.4/32	3.4/50	8.7/92	–/4.2	0.6/14	0.7/80	1.3/98
All Causes	–/11	30/91 (32%)	25/169 (15%)	55/272	–/5.3	2.5/41 (6%)	3.5/213 (2%)	6.0/259

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	31 / 87 (35%)	2.4 / 57 (4%)	33 / 144 (23%)
All Causes	55 / 272 (20%)	6.0 / 259 (2%)	61 / 531 (11%)

1950-2000: FRANCE

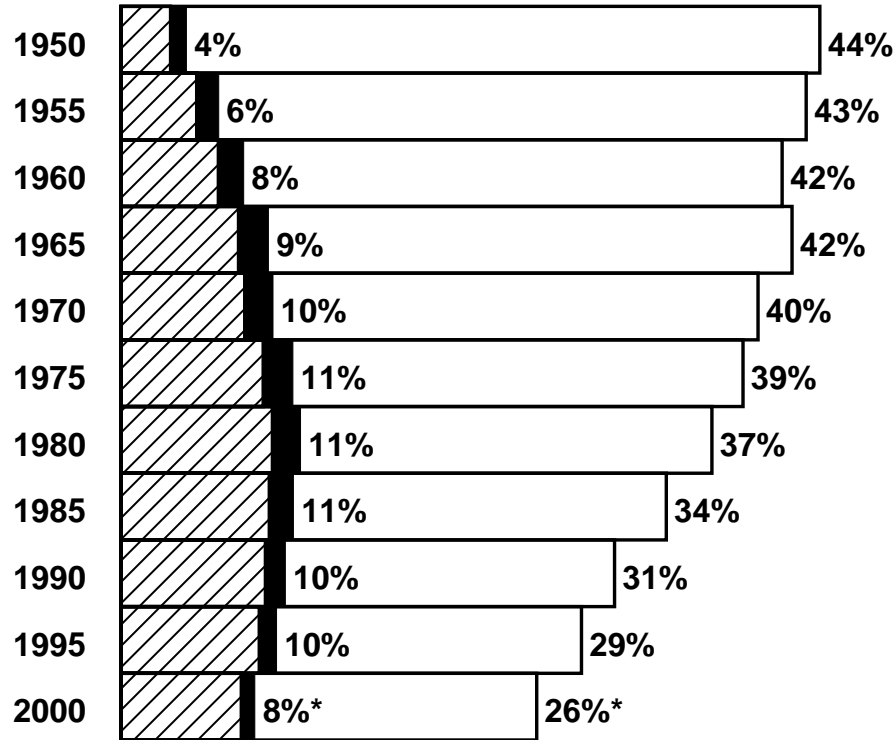
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

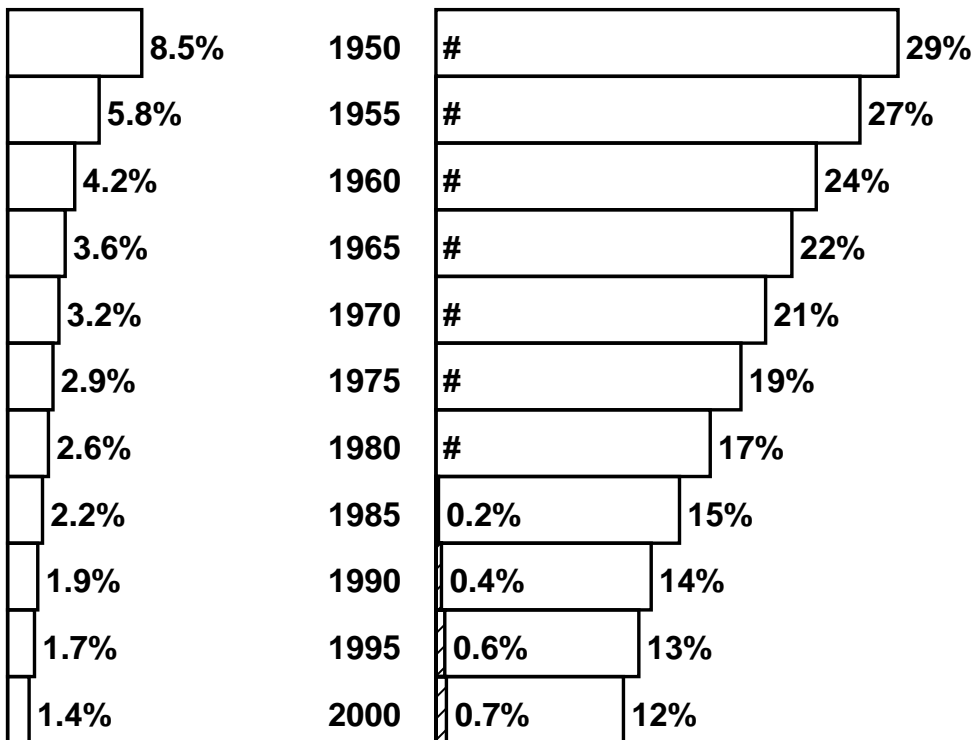
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 26 would die before age 70 (with 8 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

FRANCE: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	-/41	11/111 (10%)	1.0/117 (0.9%)	12/270	-/30	0.0/84	0.0/146	0.0/261
1955	-/31	17/112 (15%)	3.8/123 (3%)	21/267	-/21	0.0/77	0.0/158	0.0/256
1960	-/24	22/114 (20%)	6.1/125 (5%)	29/264	-/16	0.0/70	0.0/168	0.0/254
1965	-/23	28/127 (22%)	9.7/128 (8%)	38/279	-/14	0.0/68	0.0/179	0.0/262
1970	-/23	29/122 (24%)	14/133 (10%)	43/278	-/13	0.0/63	0.0/186	0.0/262
1975	-/21	33/119 (28%)	21/151 (14%)	53/291	-/11	0.0/58	0.0/200	0.0/269
1980	-/21	33/106 (31%)	23/158 (14%)	55/285	-/10	0.0/48	0.0/203	0.0/262
1985	-/18	33/102 (32%)	26/167 (16%)	59/287	-/8.9	0.5/44 (1%)	0.9/213 (0.4%)	1.4/266
1990	-/18	34/103 (33%)	24/152 (16%)	58/273	-/7.7	1.2/44 (3%)	1.3/201 (0.6%)	2.5/254
1995	-/15	34/100 (34%)	27/161 (17%)	60/275	-/6.8	2.0/43 (5%)	3.3/206 (2%)	5.3/257
2000	-/11	30/91 (32%)	25/169 (15%)	55/272	-/5.3	2.5/41 (6%)	3.5/213 (2%)	6.0/259

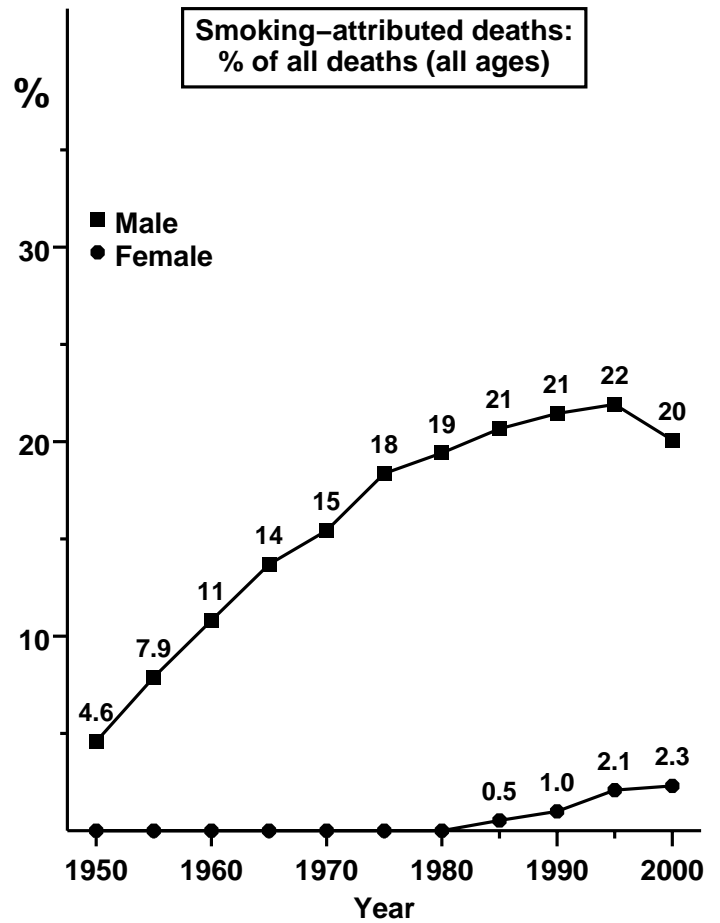
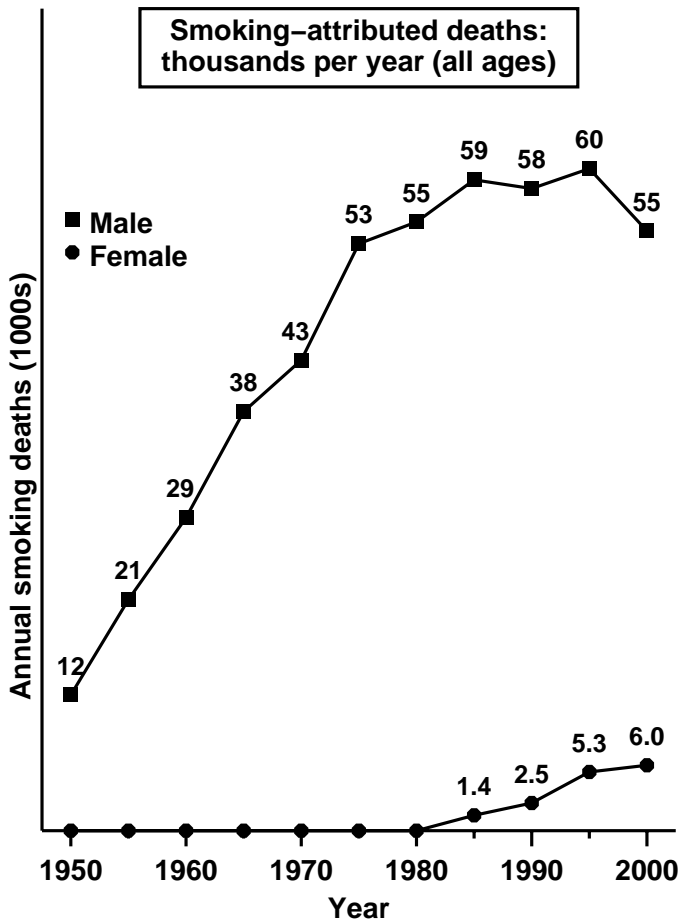
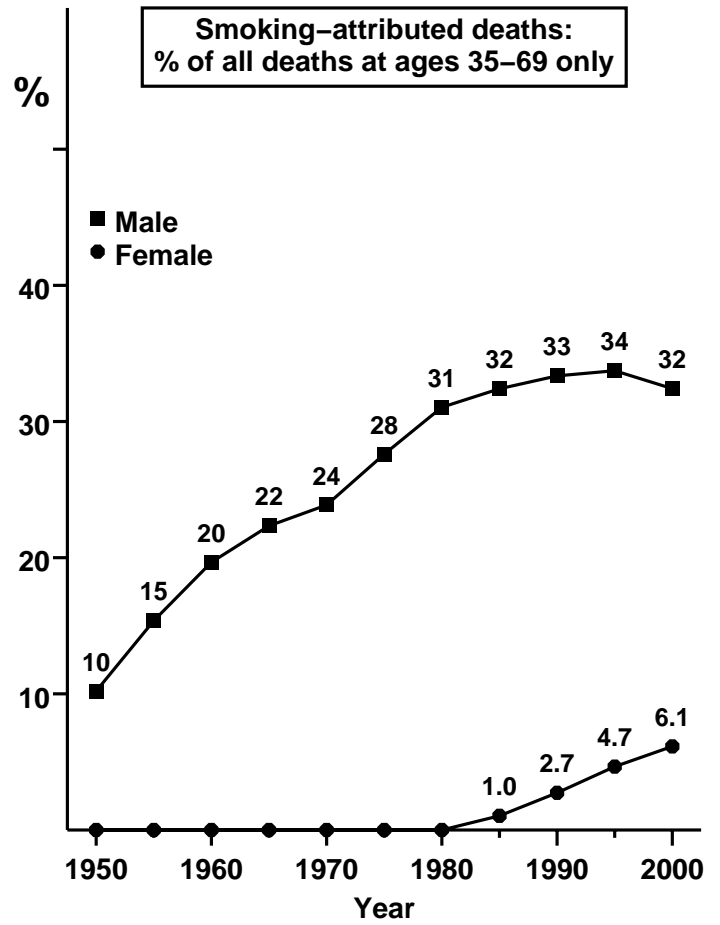
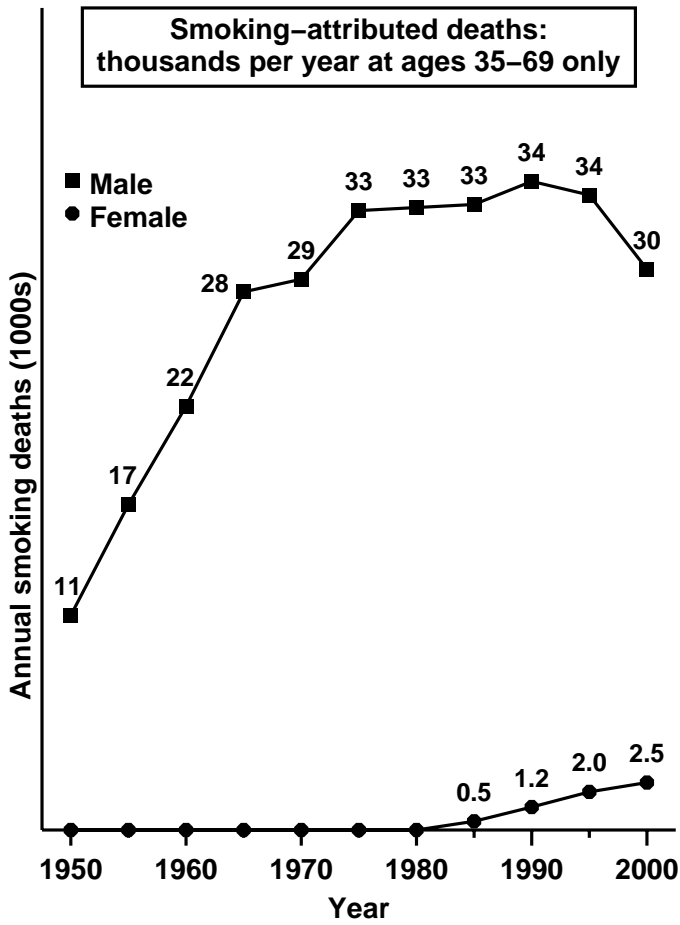
50-year total* (M=millions), mid-1950 to mid-2000: 2.4/ 27M

1950-2000 by age & sex:

-/1.1M	1.5/5.6M (26%)	0.9/7.3M (12%)	2.3/14M	-/0.6M	0.02/2.9M (0.9%)	0.04/9.6M (0.4%)	0.07/13M
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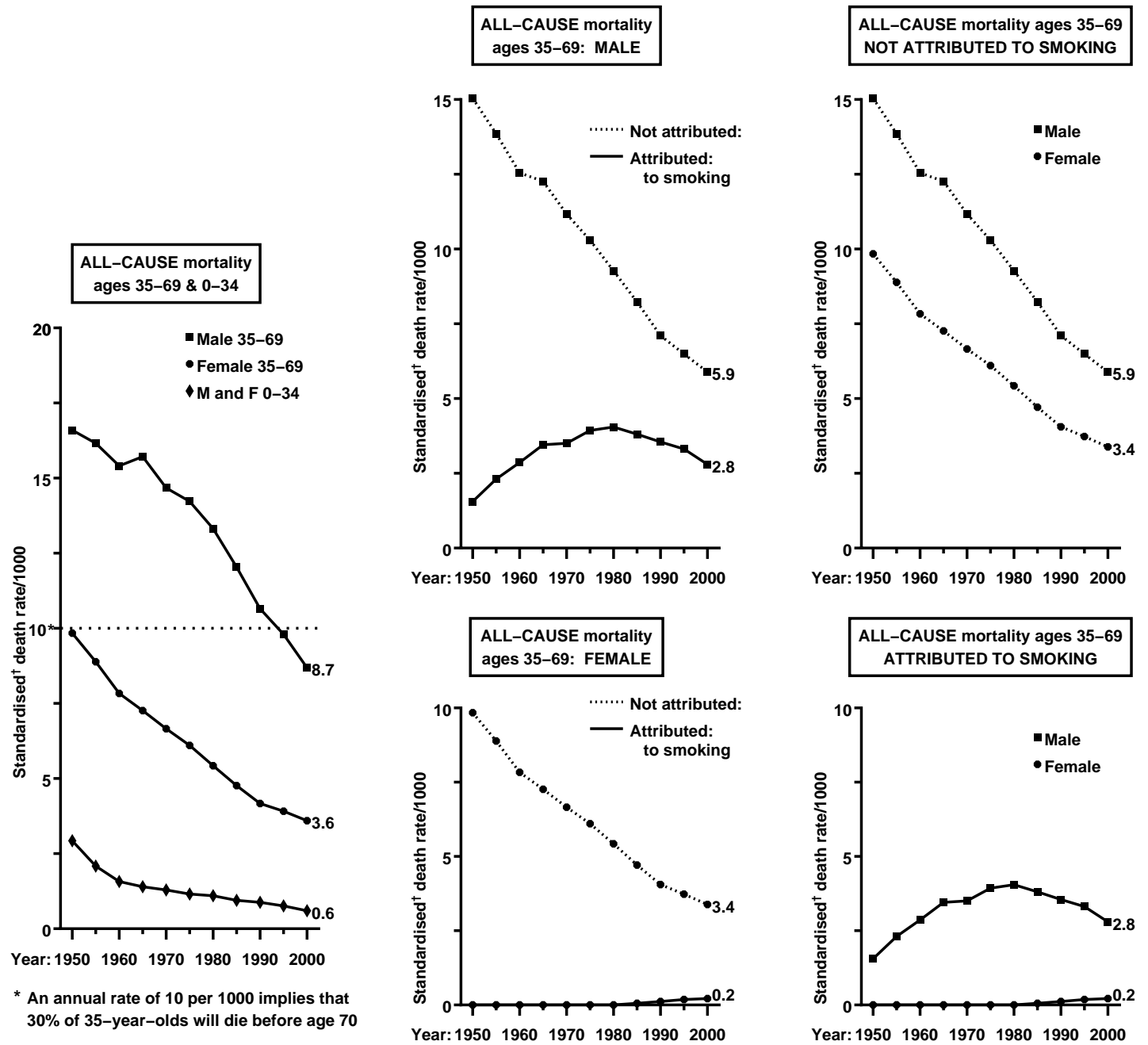
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1950-2000: FRANCE



FRANCE: 1950-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

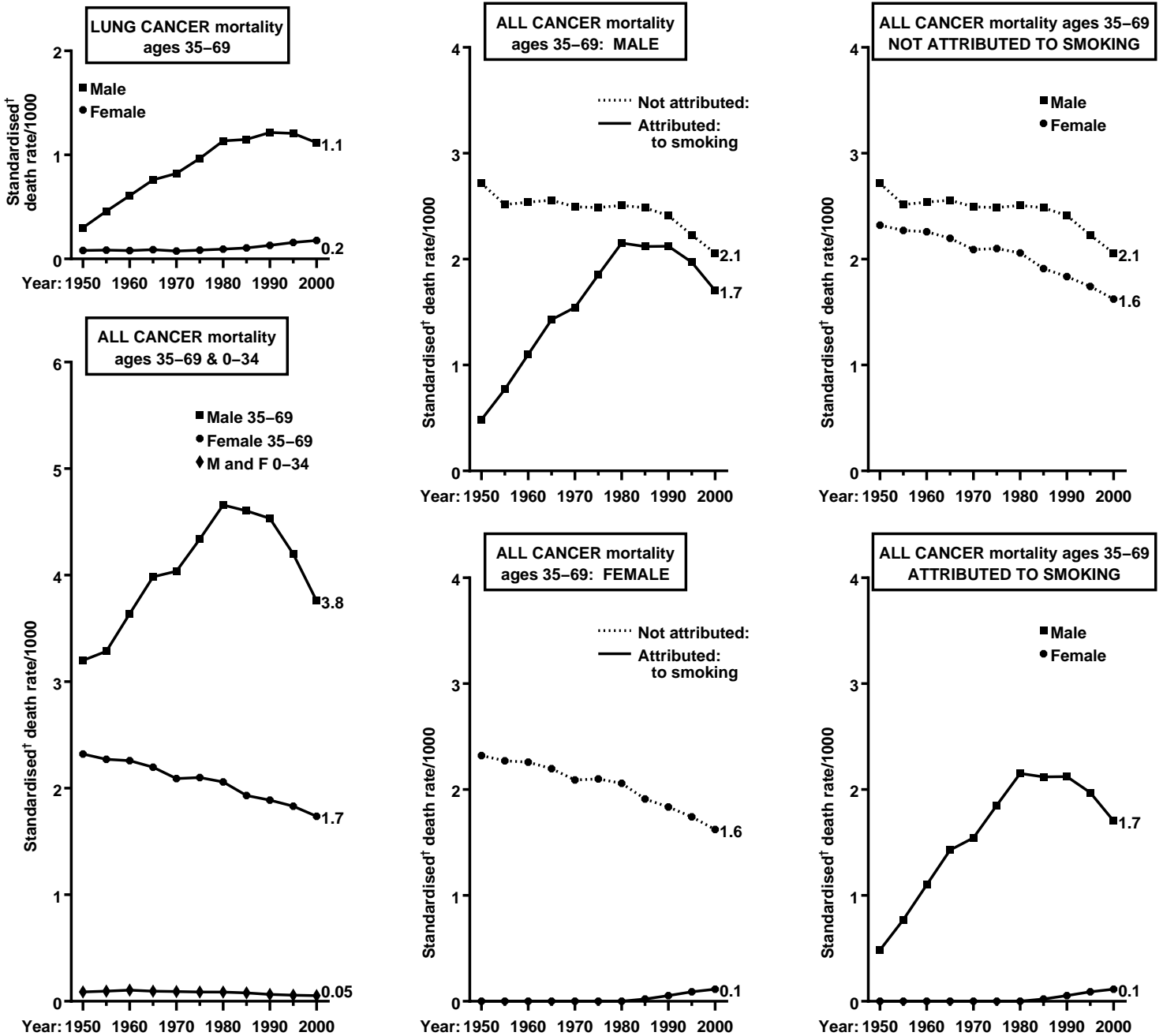
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	-	3.33	1.55	15.0	0.88	82.1	-	2.52	0.00	9.84	0.00	59.7	-	59.7		
1955	-	2.47	2.31	13.9	2.96	78.5	-	1.70	0.00	8.88	0.00	54.9	-	54.9		
1960	-	1.90	2.86	12.5	4.44	73.3	-	1.23	0.00	7.83	0.00	50.2	-	50.2		
1965	-	1.73	3.45	12.3	6.65	69.0	-	1.06	0.00	7.26	0.00	46.1	-	46.1		
1970	-	1.64	3.50	11.2	8.42	63.0	-	0.94	0.00	6.66	0.00	42.6	-	42.6		
1975	-	1.48	3.93	10.3	10.8	61.1	-	0.83	0.00	6.10	0.00	39.5	-	39.5		
1980	-	1.45	4.05	9.27	9.97	52.1	-	0.74	0.00	5.42	0.00	32.5	-	32.5		
1985	-	1.25	3.81	8.23	10.7	48.2	-	0.64	0.05	4.71	0.17	29.7	-	29.7		
1990	-	1.20	3.55	7.10	9.28	39.8	-	0.55	0.11	4.05	0.20	24.4	-	24.4		
1995	-	1.03	3.31	6.49	9.19	37.3	-	0.49	0.18	3.73	0.46	22.3	-	22.3		
2000	-	0.80	2.80	5.89	7.70	34.7	-	0.39	0.21	3.38	0.48	20.0	-	20.0		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: FRANCE

Trends in ALL CANCER mortality attributed and not attributed to smoking



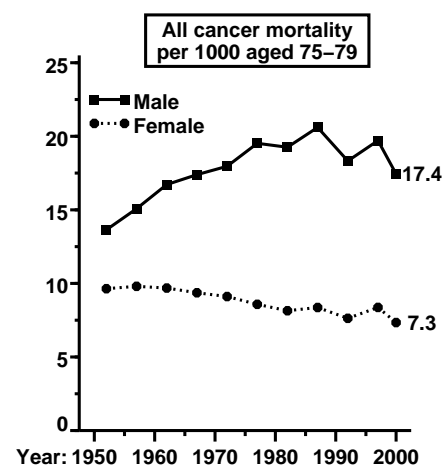
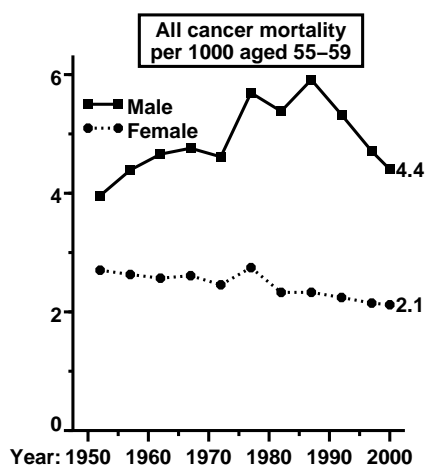
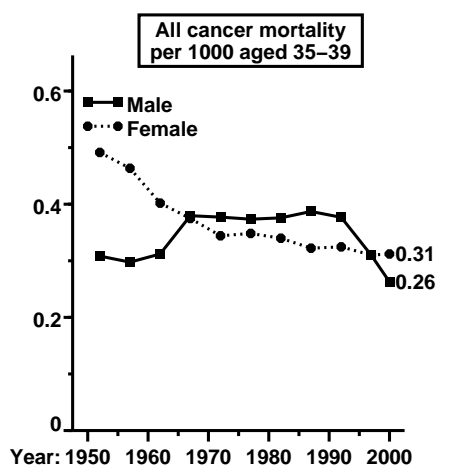
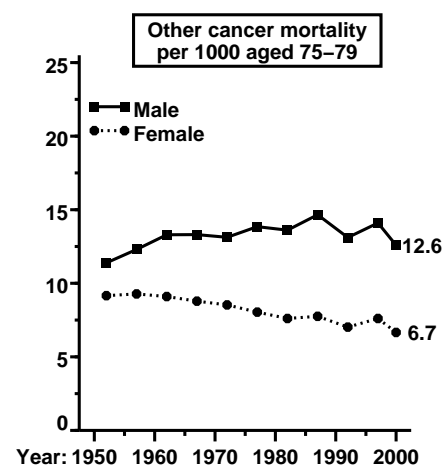
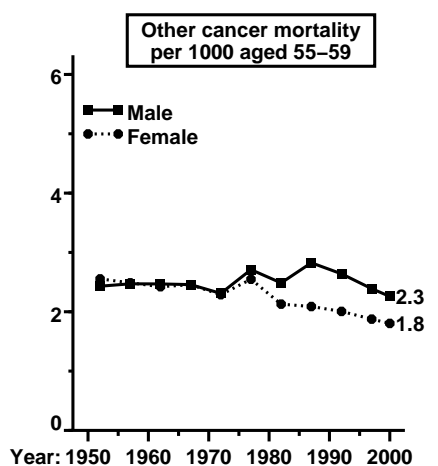
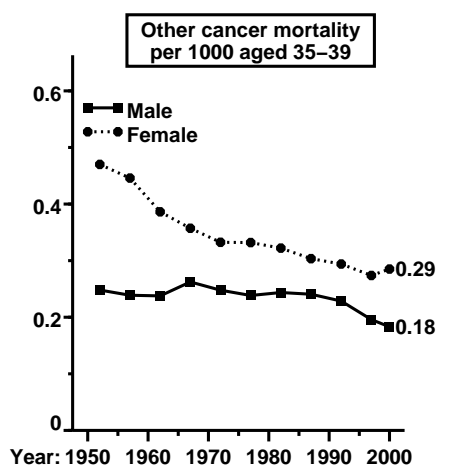
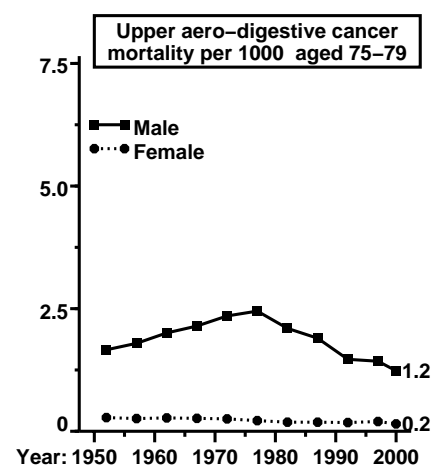
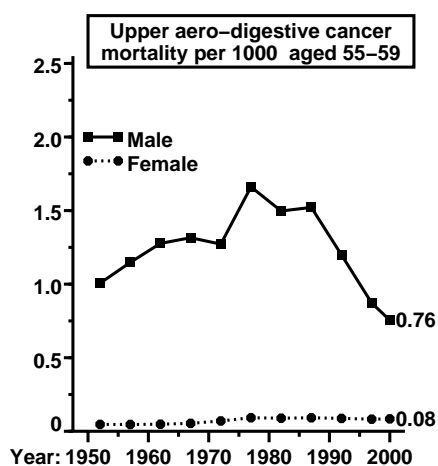
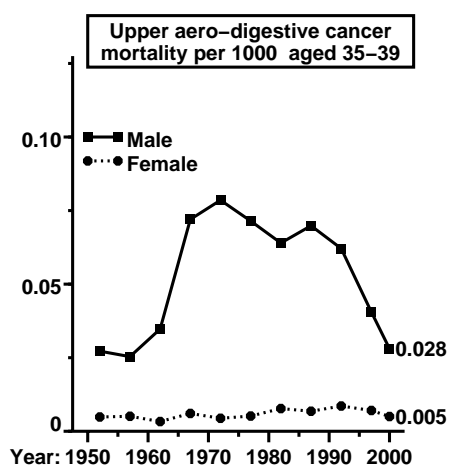
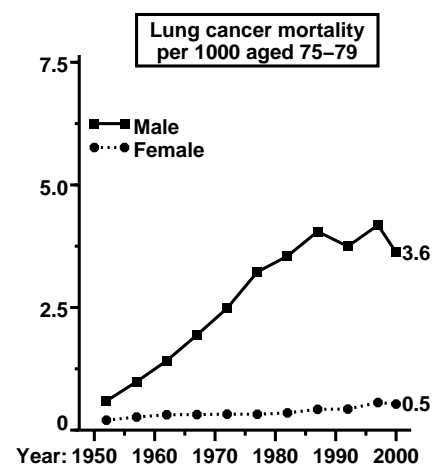
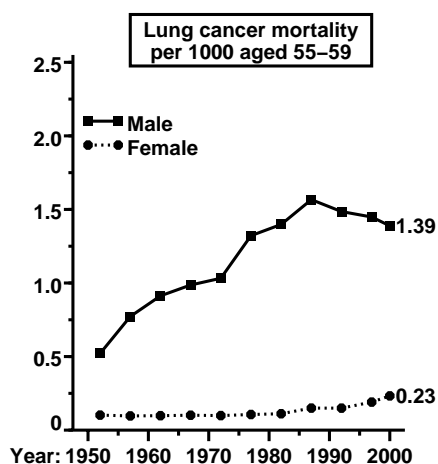
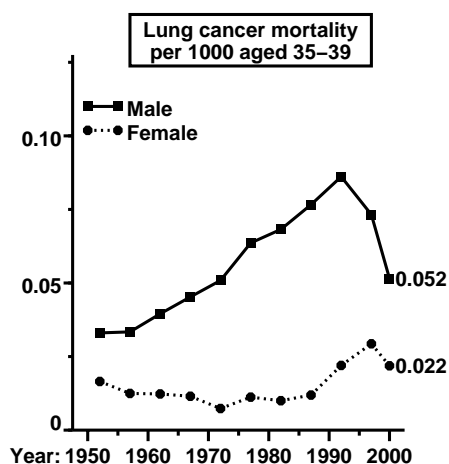
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	-	0.09	0.48	2.72	0.28	11.6	-	0.08	0.00	2.32	0.00	8.41	-	0.08	0.00	8.41
1955	-	0.10	0.77	2.51	1.02	12.0	-	0.09	0.00	2.27	0.00	8.61	-	0.09	0.00	8.61
1960	-	0.11	1.10	2.54	1.65	12.6	-	0.09	0.00	2.26	0.00	8.24	-	0.09	0.00	8.24
1965	-	0.10	1.43	2.56	2.60	12.4	-	0.09	0.00	2.20	0.00	8.11	-	0.09	0.00	8.11
1970	-	0.10	1.54	2.49	3.42	12.2	-	0.08	0.00	2.09	0.00	7.80	-	0.08	0.00	7.80
1975	-	0.10	1.85	2.49	4.58	12.7	-	0.08	0.00	2.10	0.00	7.70	-	0.08	0.00	7.70
1980	-	0.09	2.15	2.51	4.97	11.8	-	0.08	0.00	2.06	0.00	7.02	-	0.08	0.00	7.02
1985	-	0.08	2.12	2.48	5.46	12.0	-	0.07	0.02	1.91	0.06	7.02	-	0.07	0.06	7.02
1990	-	0.07	2.12	2.41	5.23	11.5	-	0.06	0.05	1.83	0.07	6.76	-	0.06	0.07	6.76
1995	-	0.06	1.97	2.23	5.28	11.4	-	0.05	0.09	1.74	0.17	6.69	-	0.05	0.17	6.69
2000	-	0.06	1.70	2.06	4.69	10.6	-	0.05	0.11	1.62	0.22	6.16	-	0.05	0.22	6.16

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

FRANCE: 1950-2000

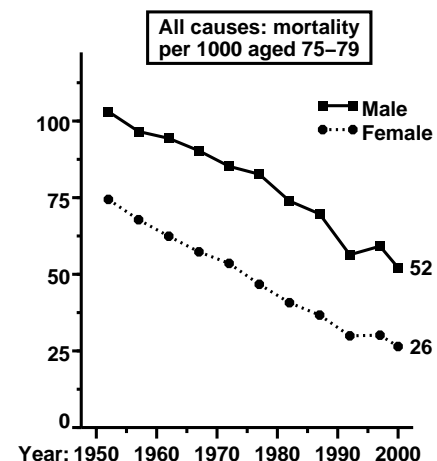
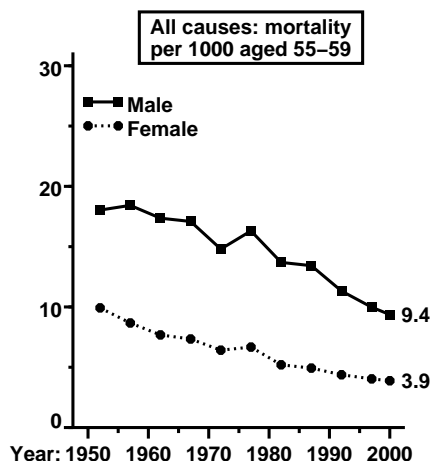
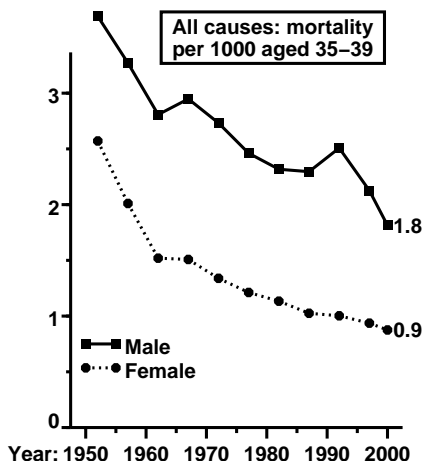
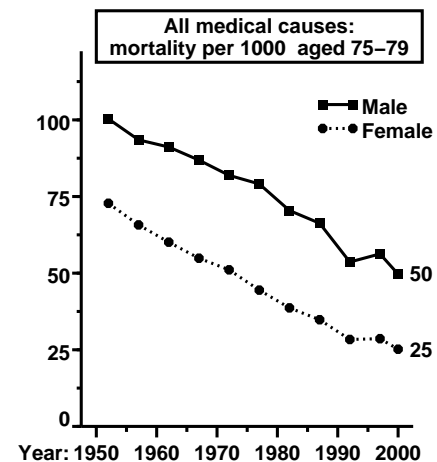
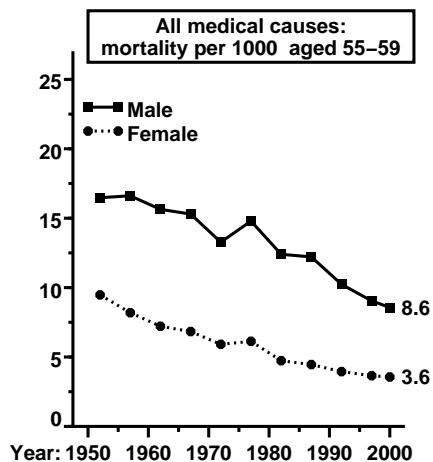
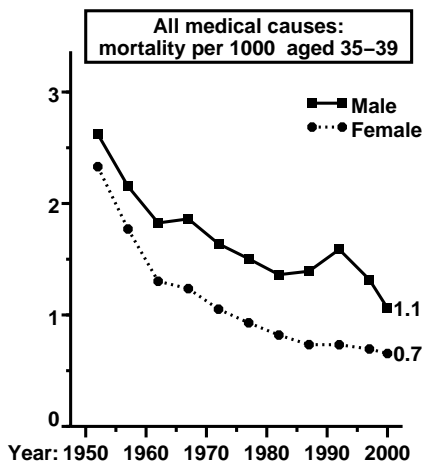
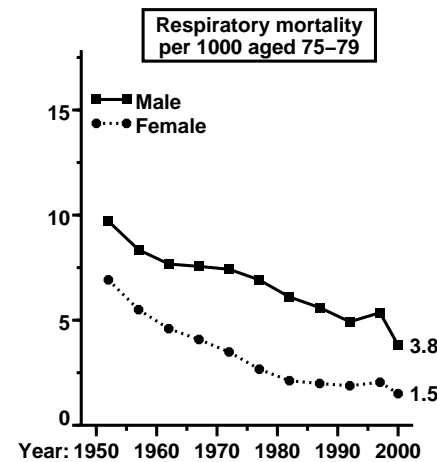
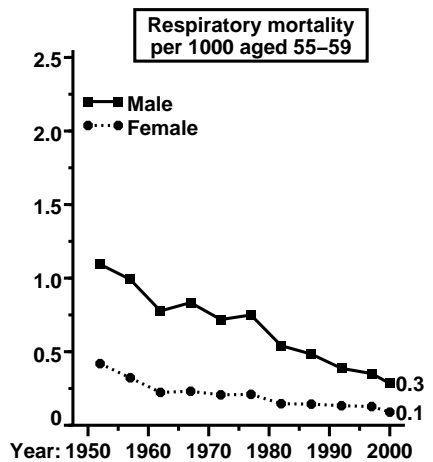
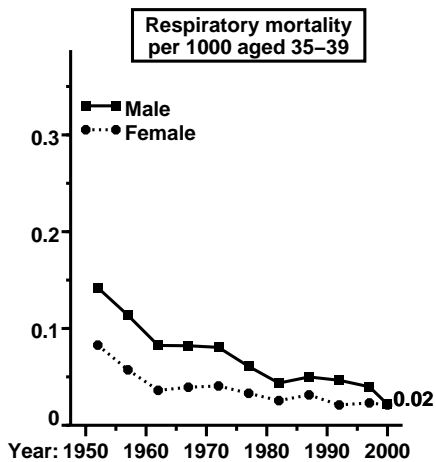
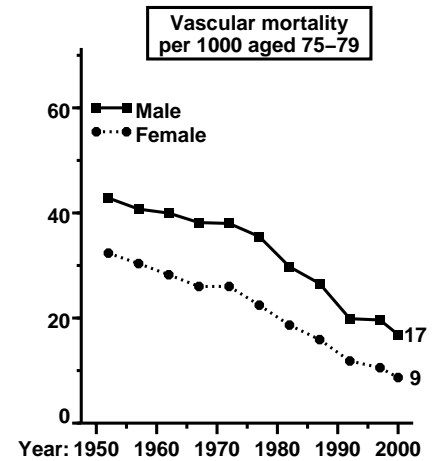
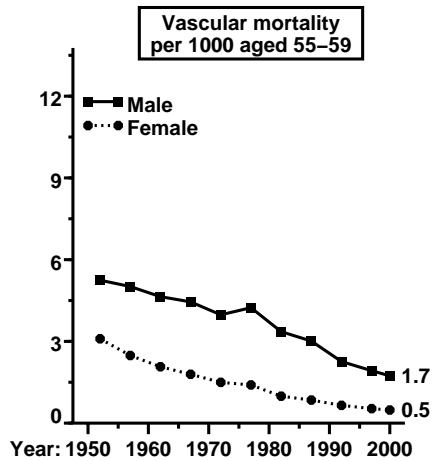
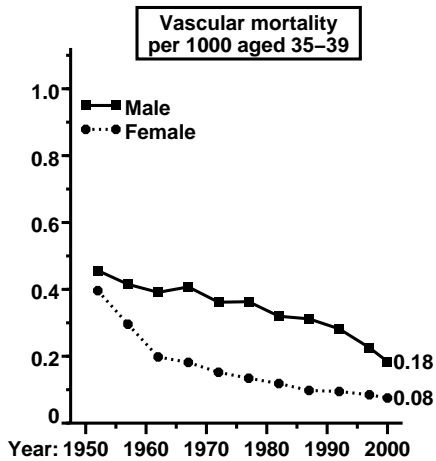
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

1950-2000: FRANCE

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

2000: GERMANY

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
140.8	248.2	391.4	624.2	903.3	1441.5	2442.6	3805.1	5859.2	15279.3	M	ALL CAUSES	001-999/A00-Y89
72.7	127.3	200.9	325.2	435.5	668.7	1154.4	1981.1	3437.0	12250.2	F		
0.2	0.4	0.6	0.9	0.9	1.2	2.2	3.9	8.2	12.1	M	Tuberculosis	010-018, 137/
0.0	0.1	0.3	0.3	0.3	0.4	1.0	1.2	2.3	3.7	F		A15-A19, B90
2.7	2.8	2.1	2.1	1.5	1.5	0.9	0.2	0.3	0.1	M	HIV	279.5, 279.6/B20-B24
0.9	0.7	0.3	0.1	0.2	0.1	0.0	0.2	0.1	-	F		
2.1	2.6	5.0	7.3	10.5	15.2	27.4	47.7	68.6	130.5	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.4	2.2	2.2	3.0	4.9	8.9	17.9	30.2	44.8	99.7	F		
20.6	47.7	105.1	217.1	348.8	556.6	895.2	1282.3	1671.4	2820.0	M	ALL CANCER	140-208/C00-C97
28.1	54.3	96.2	165.6	233.9	325.5	476.9	663.8	885.3	1600.4	F		
1.1	4.7	11.7	19.2	24.6	24.6	27.2	24.0	19.4	23.9	M	Mouth and pharynx cancer	140-149/C00-C14
0.3	1.1	2.1	3.9	5.0	4.2	5.3	5.4	6.1	12.5	F		
0.8	2.2	6.1	12.9	17.2	24.5	27.7	27.3	27.0	35.9	M	Oesophagus cancer	150/C15
0.1	0.4	0.9	1.8	3.2	3.7	4.5	6.7	7.1	13.5	F		
1.6	2.9	5.9	12.2	17.3	32.2	54.3	81.5	113.7	208.7	M	Stomach cancer	151/C16
2.0	2.3	4.6	6.7	9.8	15.1	24.7	38.8	55.0	124.3	F		
1.7	3.8	8.1	21.2	38.2	65.5	112.0	169.8	226.1	402.0	M	Colorectal cancer	153, 154/C18-C21
1.7	2.9	6.9	12.5	23.6	37.2	59.8	92.8	142.7	326.7	F		
0.3	1.0	2.5	5.2	8.9	18.0	30.1	40.5	49.2	61.5	M	Liver cancer	155.0/C22 excl C221
0.2	0.5	0.9	1.6	2.3	4.0	7.6	13.7	17.2	25.7	F		
0.8	2.1	5.4	12.7	22.1	33.8	48.2	67.9	83.6	121.3	M	Pancreas cancer	157/C25
0.3	1.3	4.1	7.1	11.4	20.2	28.9	47.5	65.0	106.3	F		
0.3	1.0	2.8	4.9	7.6	8.2	12.2	14.4	14.8	16.1	M	Larynx cancer	161/C32
0.1	0.1	0.4	0.8	0.7	0.7	1.2	1.2	0.7	1.8	F		
2.8	11.1	27.9	64.9	110.7	174.8	286.2	374.8	424.4	443.1	M	Lung cancer	162/C33, C34
2.1	7.2	14.2	25.2	32.7	40.0	58.6	77.8	83.0	94.8	F		
0.9	1.4	2.6	3.5	4.5	6.1	8.2	10.5	11.7	22.2	M	Malignant melanoma	172/C43
0.9	1.2	1.7	2.0	2.6	3.6	5.6	6.4	7.7	12.0	F		
8.5	16.7	29.9	49.4	63.4	74.3	87.1	102.2	122.7	219.1	F	Female breast cancer	174/C50
3.0	4.7	5.8	5.7	5.6	6.4	8.2	9.3	11.3	17.1	F	Cervix cancer	180/C53
0.3	0.9	1.2	2.9	4.8	8.9	13.7	19.6	25.9	46.2	F	Other uterine cancer	179, 182/C54, C55
1.5	3.3	6.0	10.6	18.4	24.7	35.3	43.7	55.8	72.3	F	Ovarian cancer	183/C56, C570-C574
0.1	0.1	0.9	4.2	10.6	29.2	62.2	120.7	228.3	630.4	M	Prostate cancer	185/C61
0.2	0.5	1.4	3.5	4.8	10.8	23.2	48.1	77.5	176.3	M	Bladder cancer	188/C67
0.2	0.4	0.7	1.1	1.5	3.5	6.9	12.3	19.4	55.7	F		
6.6	12.5	22.5	38.6	59.6	91.9	143.3	206.2	265.2	470.0	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
4.8	7.9	11.5	24.2	35.0	57.3	92.2	128.0	184.2	346.2	F		
0.4	0.2	0.3	0.7	0.6	1.0	1.5	1.9	3.2	3.9	M	Hodgkin's disease	201/C81
0.2	0.2	0.1	0.6	0.3	0.5	1.0	1.2	2.0	2.7	F		
1.6	2.1	4.3	8.6	13.1	21.5	33.3	54.5	72.2	104.1	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.8	1.6	2.3	5.6	8.4	12.4	22.9	36.3	47.7	67.3	F		
1.3	2.0	2.6	4.8	8.9	14.4	25.5	40.3	54.9	100.7	M	Leukaemia	204-208/C91-C95
1.1	1.6	3.0	3.8	5.0	8.8	13.3	20.9	31.8	56.1	F		
1.7	3.1	5.7	8.9	14.0	26.3	55.0	79.4	132.9	329.2	M	Diabetes	250/E10-E14
0.7	1.2	2.2	3.2	5.7	12.8	32.6	64.0	122.6	393.3	F		
22.7	53.1	97.9	170.3	264.9	481.6	926.3	1599.2	2737.2	8463.1	M	ALL VASCULAR DISEASE	390-459/I00-I99
9.0	20.3	33.2	56.2	77.7	174.4	392.0	826.7	1702.2	7724.9	F		
0.2	0.2	0.4	0.5	1.2	2.6	4.6	8.4	13.6	24.9	M	Rheumatic heart disease and fever	390-398/I00-I09
0.1	0.1	0.3	0.4	1.0	2.2	5.9	10.5	17.0	36.8	F		
0.5	1.4	3.0	5.5	9.8	14.8	29.5	49.1	97.9	337.1	M	Hypertensive disease	401-405/I10-I15
0.3	0.8	1.4	2.8	4.5	8.8	18.9	39.7	87.6	451.8	F		
8.4	24.7	51.5	90.9	148.0	265.9	514.5	848.5	1365.8	3630.1	M	Ischaemic heart disease	410-414/I20-I25
1.8	5.7	10.4	18.6	30.7	76.0	179.7	363.2	704.8	2804.7	F		
1.5	4.0	4.7	7.8	10.8	17.1	30.6	43.4	71.6	152.5	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.3	2.5	3.8	5.3	6.3	11.7	22.3	40.0	60.2	161.4	F		
3.5	7.2	11.9	20.8	34.0	66.9	143.8	280.4	550.2	1731.3	M	Cerebrovascular disease	430-438/I60-I69
2.7	5.7	8.7	12.7	15.2	33.3	76.7	177.0	394.5	1707.3	F		
8.7	15.6	26.4	44.9	61.1	114.3	203.3	369.3	638.1	2587.1	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
2.7	5.5	8.6	16.3	19.9	42.5	88.4	196.3	438.1	2562.9	F		
1.2	2.0	4.5	10.5	20.9	42.9	101.1	198.8	314.4	697.2	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.8	1.3	2.8	5.9	10.2	14.9	33.2	66.0	100.7	250.5	F		
1.9	3.2	4.7	8.4	12.5	25.5	49.0	97.0	189.1	783.4	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.0	1.5	2.3	3.9	6.3	9.7	21.2	41.7	84.7	496.6	F		
0.3	1.1	1.7	2.4	3.1	4.6	8.7	11.5	18.3	66.1	M	Peptic ulcer	531-533/K25-K27
0.1	0.5	0.8	0.6	1.1	2.2	3.7	7.1	14.8	55.2	F		
11.5	25.2	40.2	50.1	61.5	78.8	87.3	77.9	68.3	72.8	M	Liver cirrhosis	571/K70, K74
5.3	10.4	15.5	23.3	24.5	27.9	29.2	32.1	30.9	35.0	F		
0.3	1.1	1.9	3.4	5.1	8.9	18.6	34.4	66.8	200.0	M	Renal disease	580-590/N00-N19
0.3	0.4	0.9	1.4	2.6	5.4	11.4	21.2	39.6	135.7	F		
0.4	0.0	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
0.6	0.4	0.7	0.8	0.9	0.8	0.7	0.4	1.1	1.0	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.6	0.4	0.6	0.8	1.4	0.8	0.7	0.9	0.5	1.5	F		
10.4	18.0	24.1	32.3	37.4	46.8	58.7	73.7	94.5	335.6	M	Ill-defined causes	780-799/R00-R99
3.6	6.0	8.9	12.4	13.5	16.4	27.1	39.5	63.3	357.9	F		
19.9	32.2	40.4	51.9	64.0	90.8	141.8	212.6	370.0	1011.8	M	Other medical causes	Rest of 001-799/ rest of A00-R99
8.1	12.1	18.1	28.4	31.9	46.2	78.0	143.3	275.1	853.8	F		
44.8	55.2	56.7	57.8	57.4	60.0	69.6	86.2	118.1	356.4	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
12.5	15.9	16.6	19.9	21.4	23.0	29.6	43.2	70.0	242.3	F		
9.4	10.5	9.9	9.5	6.9	7.1	9.1	10.0	12.7	21.8	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
2.7	3.8	2.6	3.2	2.9	2.7	4.4	5.3	6.5	7.7	F		
0.5	0.8	1.0	0.4	0.9	0.9	0.6	0.9	0.8	4.8	M	Fire	E890-E899/X00-X09
0.3	0.3	0.3	0.4	0.5	0.3	0.4	1.1	1.6	3.5	F		
20.0	25.5	26.2	26.9	26.4	26.5	29.6	34.4	41.4	90.2	M	Suicide	E950-E959/X60-X84
5.1	6.9	8.1	9.2	9.8	9.9	10.8	11.7	12.9	20.7	F		
0.7	1.4	1.2	0.9	0.8	0.9	0.3	0.5	0.5	1.0	M	Homicide	E960-E969/ X85-X99, Y00-Y09
0.9	0.8	0.6	0.7	0.5	0.5	0.4	0.6	0.5	0.9	F		
3726	3209	2895	2290	2686	2777	1895	1518	979	735	M	POPULATION	
3515	3060	2859	2254	2691	2895	2118	2053	2005	2117	F	(1000s; UN, 2002 revision)	

GERMANY: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	16132	1207	62	34	1111	71	186	981	319	5702	7666
35-69	Sm.	50912	24058	15567	3974	4517	4095	671	15216	-	6872	-
	Total	164546 (31%)	53934 (45%)	16911 (92%)	6354 (63%)	30669 (15%)	5348 (77%)	2493 (27%)	56782 (27%)	10098	24087 (29%)	11804
70+	Sm.	43216	16623	10757	1158	4708	9320	841	13368	-	3064	-
	Total	229985 (19%)	53193 (31%)	11914 (90%)	1999 (58%)	39280 (12%)	13037 (71%)	7941 (11%)	120732 (11%)	2415	27458 (11%)	5209
Any age	Sm.	94128	40681	26324	5132	9225	13415	1512	28584	-	9936	-
	Total	410663 (23%)	108334 (38%)	28887 (91%)	8387 (61%)	71060 (13%)	18456 (73%)	10620 (14%)	178495 (16%)	12832	57247 (17%)	24679
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	12100	959	32	18	909	62	123	735	182	4338	5701
35-69	Sm.	43163	22103	14575	3568	3960	3067	596	11407	-	5990	-
	Total	149421 (29%)	52102 (42%)	16009 (91%)	5975 (60%)	30118 (13%)	4150 (74%)	2475 (24%)	47331 (24%)	9040	23388 (26%)	10935
70+	Sm.	40807	17469	11716	1199	4554	7799	888	11556	-	3095	-
	Total	227460 (18%)	56564 (31%)	13103 (89%)	2153 (56%)	41308 (11%)	11222 (69%)	9083 (10%)	113294 (10%)	2386	29827 (10%)	5084
Any age	Sm.	83970	39572	26291	4767	8514	10866	1484	22963	-	9085	-
	Total	388981 (22%)	109625 (36%)	29144 (90%)	8146 (59%)	72335 (12%)	15434 (70%)	11681 (13%)	161360 (14%)	11608	57553 (16%)	21720

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)													
1995	39731	18803	18197	3259	2911	2482	2685	2934	2140	1786	1225	613	893
2000	40159	17448	19478	3726	3209	2895	2290	2686	2777	1895	1518	979	735
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	410663	16132	164546	6295	8572	10597	18587	31674	38339	50482	54339	42448	133198
2000	388981	12100	149421	5245	7965	11331	14292	24266	40025	46297	57769	57373	112318
Lung cancer													
1995	28887	62	16911	102	360	745	1836	3598	4489	5781	5005	2854	4055
2000	29144	32	16009	106	356	809	1486	2974	4854	5424	5690	4156	3257
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	991.2*	82.0*	1043.5*	193.1	294.5	426.9	692.4	1079.5	1791.5	2826.4	4436.2	6926.9	14909.1
2000	893.7*	67.9*	884.6*	140.8	248.2	391.4	624.2	903.3	1441.5	2442.6	3805.1	5859.2	15279.3
All cancer													
1995	261.3*	5.8*	346.6*	24.4	58.1	119.4	232.1	386.6	630.6	974.9	1366.5	1869.6	2798.1
2000	242.7*	5.0*	313.0*	20.6	47.7	105.1	217.1	348.8	556.6	895.2	1282.3	1671.4	2820.0
Lung cancer													
1995	69.5*	0.3*	110.0*	3.1	12.4	30.0	68.4	122.6	209.8	323.7	408.6	465.7	453.9
2000	63.0*	0.1*	96.9*	2.8	11.1	27.9	64.9	110.7	174.8	286.2	374.8	424.4	443.1
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	20.0*	0.1*	38.2*	2.1	11.6	24.7	42.5	55.4	65.0	65.8	66.7	71.0	83.6
2000	18.0*	0.1*	34.5*	2.2	7.9	20.7	37.0	49.5	57.3	67.1	65.6	61.2	75.9
Other cancer													
1995	171.7*	5.4*	198.4*	19.1	34.2	64.7	121.2	208.6	355.8	585.4	891.2	1332.9	2260.6
2000	161.7*	4.8*	181.5*	15.5	28.7	56.4	115.2	188.6	324.4	541.9	841.9	1185.8	2301.0
Chronic obstructive pulmonary disease (COPD)													
1995	44.9*	0.4*	36.8*	1.1	2.7	5.8	12.2	26.6	68.9	140.4	256.9	420.2	818.8
2000	35.1*	0.3*	26.2*	1.2	2.0	4.5	10.5	20.9	42.9	101.1	198.8	314.4	697.2
Other respiratory disease													
1995	25.4*	0.9*	16.3*	2.5	4.3	4.8	8.8	14.1	27.8	51.5	98.9	180.8	629.2
2000	28.0*	0.7*	15.0*	1.9	3.2	4.7	8.4	12.5	25.5	49.0	97.0	189.1	783.4
Vascular disease													
1995	429.5*	4.4*	373.3*	30.3	61.7	108.0	196.7	351.8	679.5	1185.3	2045.1	3425.8	8360.1
2000	375.0*	3.7*	288.1*	22.7	53.1	97.9	170.3	264.9	481.6	926.3	1599.2	2737.2	8463.1
Liver cirrhosis													
1995	30.5*	1.2*	59.3*	18.3	31.5	41.1	59.3	78.4	96.5	89.9	87.3	93.2	86.7
2000	25.5*	0.8*	50.6*	11.5	25.2	40.2	50.1	61.5	78.8	87.3	77.9	68.3	72.8
Other medical causes													
1995	140.3*	31.3*	145.6*	57.5	72.8	87.9	116.6	154.1	222.5	307.7	488.8	794.1	1858.6
2000	135.8*	26.2*	134.2*	38.1	61.8	82.2	110.0	137.3	196.1	314.1	463.8	760.6	2086.4
All non-medical causes													
1995	59.3*	37.9*	65.6*	59.0	63.3	59.9	66.6	67.8	65.5	76.8	92.7	143.3	357.6
2000	51.7*	31.1*	57.4*	44.8	55.2	56.7	57.8	57.4	60.0	69.6	86.2	118.1	356.4

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: GERMANY

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	7468	1130	32	8	1090	64	112	530	128	3354	2150
35-69	Sm.	7063	2845	2190	267	388	926	97	2101	-	1094	-
	Total	83570 (8%)	36857 (8%)	3739 (59%)	995 (27%)	32123 (1%)	2069 (45%)	1081 (9%)	23456 (9%)	4012	12055 (9%)	4040
70+	Sm.	16169	3587	2583	300	704	4106	335	6464	-	1677	-
	Total	382887 (4%)	66592 (5%)	4489 (58%)	1155 (26%)	60948 (1%)	9399 (44%)	12097 (3%)	226926 (3%)	2473	56902 (3%)	8498
Any age	Sm.	23232	6432	4773	567	1092	5032	432	8565	-	2771	-
	Total	473925 (5%)	104579 (6%)	8260 (58%)	2158 (26%)	94161 (1%)	11532 (44%)	13290 (3%)	250912 (3%)	6613	72311 (4%)	14688
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5813	900	29	13	858	43	79	432	83	2609	1667
35-69	Sm.	8124	3763	2954	343	466	851	130	2039	-	1341	-
	Total	75056 (11%)	34951 (11%)	4548 (65%)	1034 (33%)	29369 (2%)	1690 (50%)	1133 (11%)	18596 (11%)	3555	11416 (12%)	3715
70+	Sm.	16741	4224	3167	317	740	3935	380	6394	-	1808	-
	Total	368947 (5%)	65262 (6%)	5269 (60%)	1140 (28%)	58853 (1%)	8677 (45%)	13069 (3%)	214655 (3%)	2019	57844 (3%)	7421
Any age	Sm.	24865	7987	6121	660	1206	4786	510	8433	-	3149	-
	Total	449816 (6%)	101113 (8%)	9846 (62%)	2187 (30%)	89080 (1%)	10410 (46%)	14281 (4%)	233683 (4%)	5657	71869 (4%)	12803

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	41930	17693	18346	3068	2820	2400	2626	2943	2263	2226	2198	1274	2419
2000	42123	16555	19393	3515	3060	2859	2254	2691	2895	2118	2053	2005	2117
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	473925	7468	83570	2718	4166	5263	8990	14414	18277	29742	51269	51800	279818
2000	449816	5813	75056	2557	3896	5745	7332	11716	19358	24452	40671	68915	259361
Lung cancer													
1995	8260	32	3739	63	161	290	460	676	881	1208	1422	1042	2025
2000	9846	29	4548	74	220	405	569	881	1158	1241	1597	1664	2008
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	583.5*	42.4*	490.2*	88.6	147.7	219.3	342.4	489.7	807.5	1336.2	2332.2	4067.5	11566.1
2000	548.1*	35.5*	426.4*	72.7	127.3	200.9	325.2	435.5	668.7	1154.4	1981.1	3437.0	12250.2
All cancer													
1995	155.7*	5.5*	214.5*	32.7	64.5	109.4	178.5	243.1	363.5	509.5	726.2	976.4	1578.7
2000	145.5*	4.8*	197.2*	28.1	54.3	96.2	165.6	233.9	325.5	476.9	663.8	885.3	1600.4
Lung cancer													
1995	13.4*	0.1*	21.9*	2.1	5.7	12.1	17.5	23.0	38.9	54.3	64.7	81.8	83.7
2000	15.7*	0.1*	25.7*	2.1	7.2	14.2	25.2	32.7	40.0	58.6	77.8	83.0	94.8
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	3.5*	0.0*	5.7*	0.6	1.6	4.1	8.0	6.1	8.3	11.4	13.8	17.3	26.1
2000	3.5*	0.1*	5.8*	0.5	1.6	3.4	6.6	8.9	8.6	11.0	13.2	14.0	27.8
Other cancer													
1995	138.7*	5.3*	186.8*	30.0	57.2	93.2	152.9	214.0	316.2	443.8	647.7	877.3	1468.9
2000	126.3*	4.6*	165.7*	25.5	45.5	78.7	133.7	192.3	276.9	407.2	572.8	788.3	1477.8
Chronic obstructive pulmonary disease (COPD)													
1995	14.3*	0.3*	12.5*	0.9	1.8	3.0	5.7	10.3	22.0	43.4	77.0	124.4	253.1
2000	12.6*	0.2*	9.9*	0.8	1.3	2.8	5.9	10.2	14.9	33.2	66.0	100.7	250.5
Other respiratory disease													
1995	14.0*	0.6*	6.4*	1.0	2.4	2.1	3.4	5.6	10.1	20.2	40.8	92.1	414.4
2000	15.4*	0.5*	6.6*	1.0	1.5	2.3	3.9	6.3	9.7	21.2	41.7	84.7	496.6
Vascular disease													
1995	269.6*	2.6*	141.3*	12.9	23.1	35.5	59.2	112.3	242.0	504.1	1055.7	2124.5	7302.2
2000	251.9*	2.4*	109.0*	9.0	20.3	33.2	56.2	77.7	174.4	392.0	826.7	1702.2	7724.9
Liver cirrhosis													
1995	12.3*	0.5*	22.7*	6.6	13.1	17.8	25.1	28.1	31.7	36.3	37.6	41.3	46.3
2000	10.3*	0.4*	19.4*	5.3	10.4	15.5	23.3	24.5	27.9	29.2	32.1	30.9	35.0
Other medical causes													
1995	94.1*	20.9*	70.5*	18.3	25.4	34.1	48.1	65.9	112.4	189.2	346.2	621.7	1710.2
2000	91.8*	17.5*	64.5*	16.2	23.6	34.3	50.3	61.5	93.3	172.4	307.5	563.1	1900.6
All non-medical causes													
1995	23.5*	11.8*	22.4*	16.2	17.4	17.5	22.3	24.4	25.8	33.5	48.7	87.2	261.1
2000	20.6*	9.8*	19.8*	12.5	15.9	16.6	19.9	21.4	23.0	29.6	43.2	70.0	242.3

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

GERMANY: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 12	– / 5.8	–
35–69	43 / 149	8.1 / 75	22 years
70+	41 / 227	17 / 369	8 years
All ages	84 / 389	25 / 450	15 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

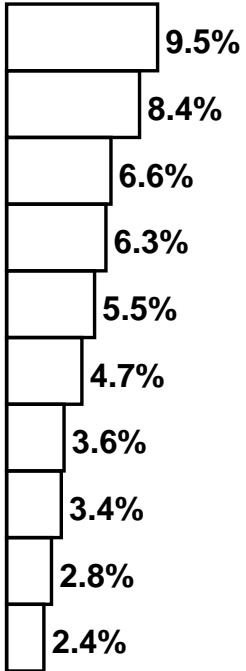
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	15/16	12/13	26/29	–/0.0	3.0/4.5	3.2/5.3	6.1/9.8
All Cancer	–/1.0	22/52 (42%)	17/57 (31%)	40/110	–/0.9	3.8/35 (11%)	4.2/65 (6%)	8.0/101
Vascular	–/0.7	11/47	12/113	23/161	–/0.4	2.0/19	6.4/215	8.4/234
Respiratory	–/0.2	3.7/6.6	8.7/20	12/27	–/0.1	1.0/2.8	4.3/22	5.3/25
All Other	–/10	6.0/43	3.1/37	9.1/91	–/4.4	1.3/19	1.8/67	3.1/90
All Causes	–/12	43/149 (29%)	41/227 (18%)	84/389	–/5.8	8.1/75 (11%)	17/369 (5%)	25/450

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	40 / 110 (36%)	8.0 / 101 (8%)	48 / 211 (23%)
All Causes	84 / 389 (22%)	25 / 450 (6%)	109 / 839 (13%)

1955-2000: GERMANY

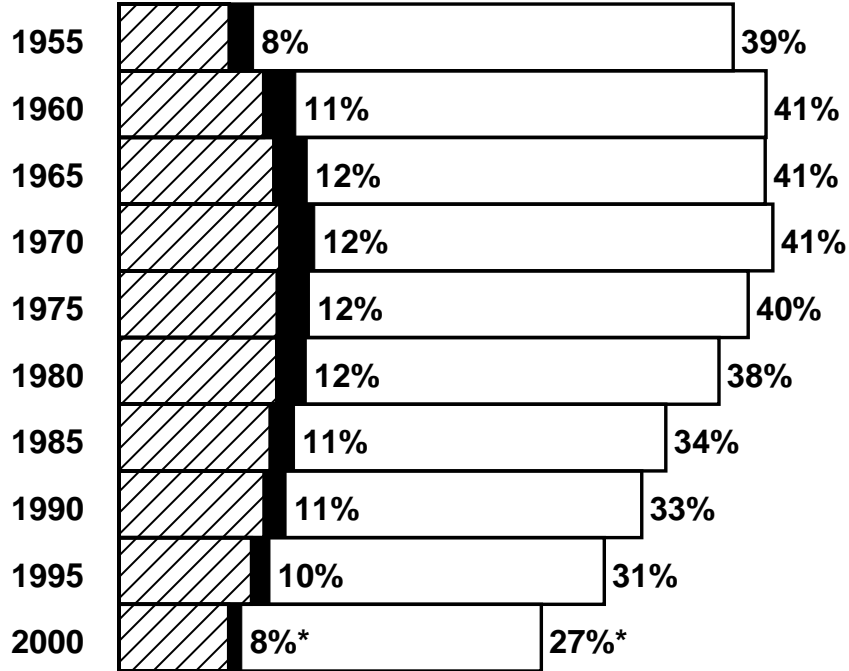
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

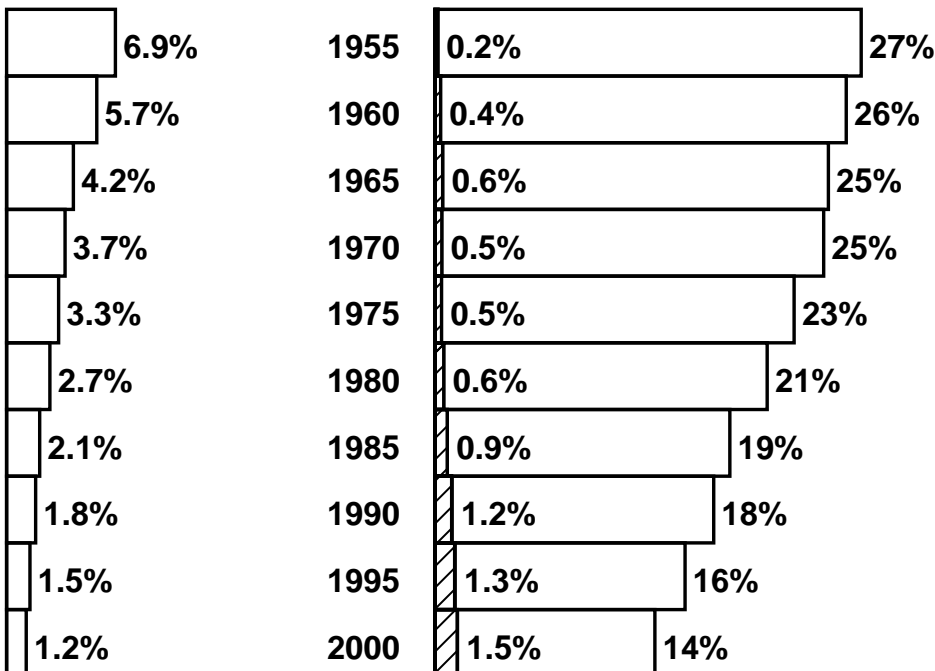
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 27 would die before age 70 (with 8 of these deaths attributed to smoking)

FEMALE



GERMANY: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/51	37/160 (23%)	10/188 (5%)	47/399	-/36	1.1/135 (0.8%)	0.2/216 (0.1%)	1.3/387
1960	-/49	51/181 (28%)	19/217 (9%)	70/447	-/32	2.2/141 (2%)	1.0/257 (0.4%)	3.2/430
1965	-/41	57/193 (29%)	28/225 (12%)	84/459	-/25	3.1/142 (2%)	3.7/282 (1%)	6.9/449
1970	-/38	60/200 (30%)	42/245 (17%)	102/483	-/21	2.9/143 (2%)	3.2/329 (1%)	6.1/493
1975	-/30	54/180 (30%)	56/271 (21%)	109/481	-/16	2.8/129 (2%)	4.4/364 (1%)	7.1/508
1980	-/25	48/156 (31%)	55/274 (20%)	104/456	-/13	3.1/107 (3%)	6.1/376 (2%)	9.2/496
1985	-/20	46/141 (33%)	54/272 (20%)	100/434	-/10	4.1/89 (5%)	7.2/396 (2%)	11/496
1990	-/20	52/162 (32%)	43/243 (18%)	95/425	-/9.3	6.2/94 (7%)	10/393 (3%)	17/496
1995	-/16	51/165 (31%)	43/230 (19%)	94/411	-/7.5	7.1/84 (8%)	16/383 (4%)	23/474
2000	-/12	43/149 (29%)	41/227 (18%)	84/389	-/5.8	8.1/75 (11%)	17/369 (5%)	25/450

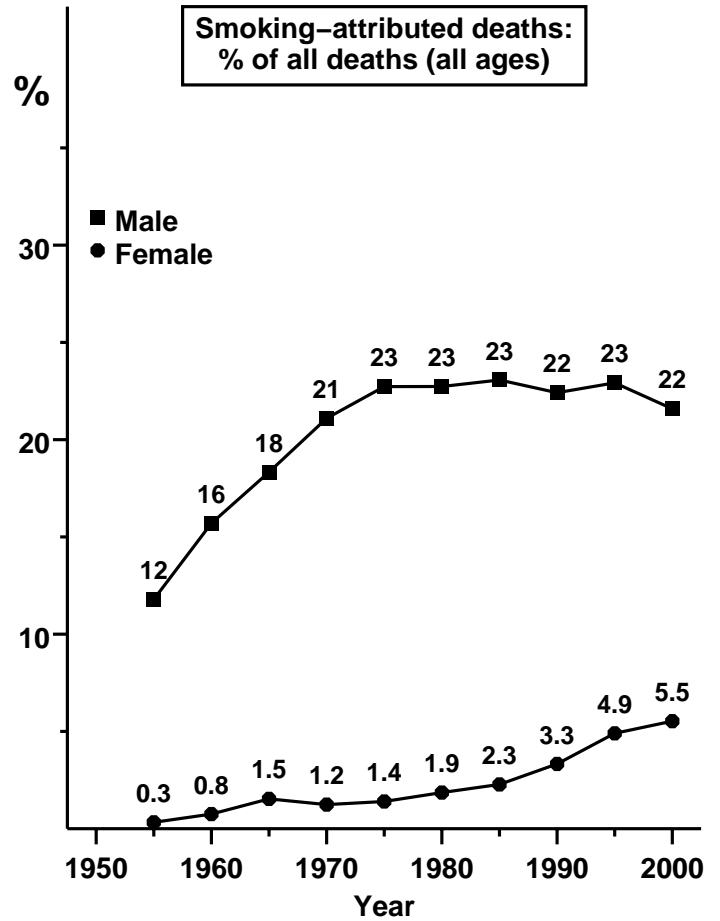
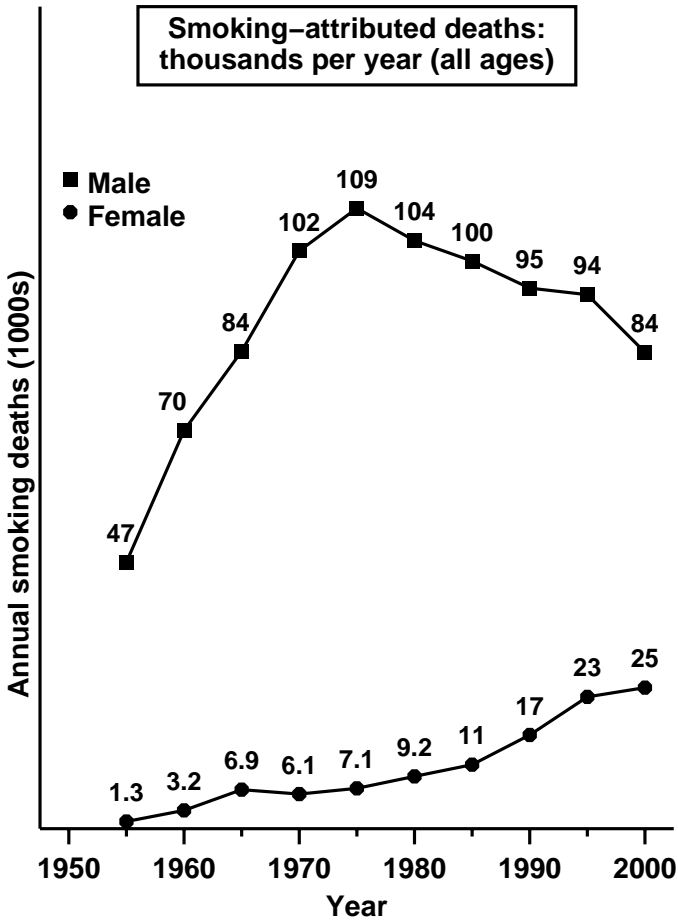
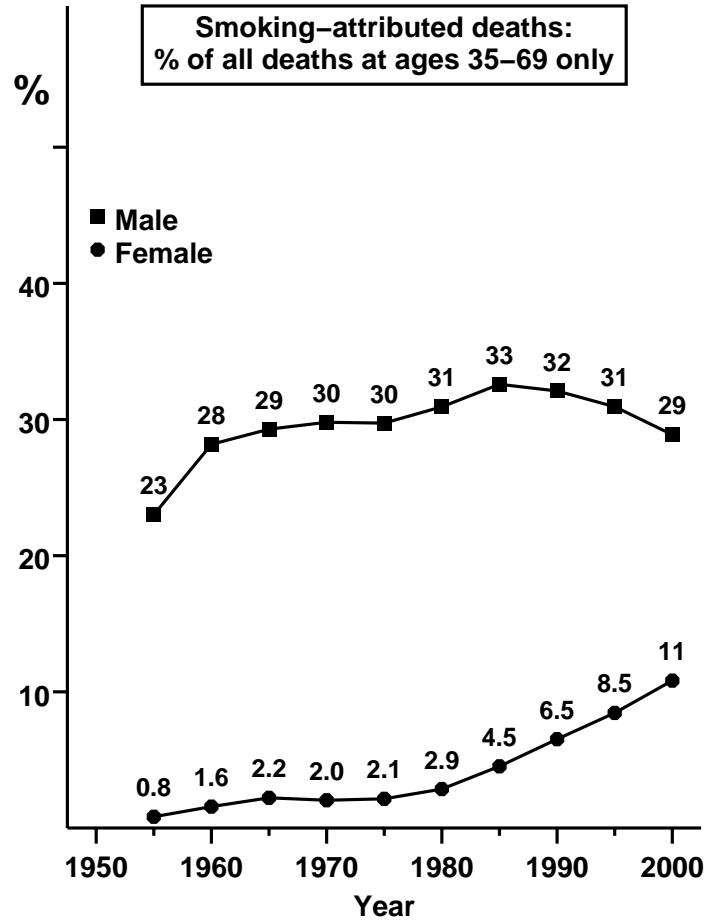
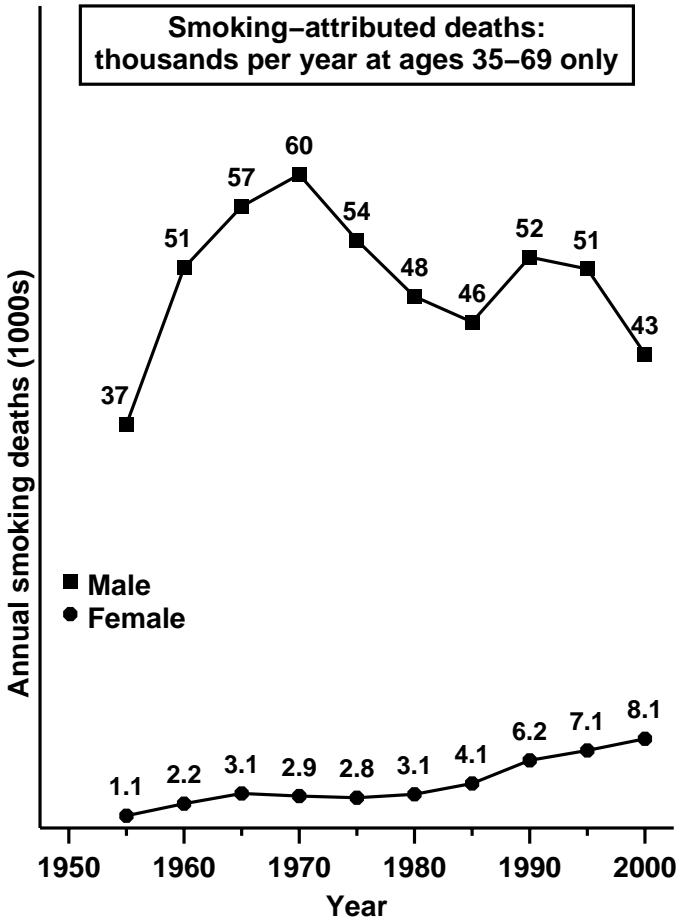
50-year total* (M=millions), mid-1950 to mid-2000: 4.8/ 45M

1950-2000 by age & sex:

-/1.6M	2.4/8.4M (29%)	1.9/12M (16%)	4.3/22M	-/1.0M	0.2/5.8M (3%)	0.3/16M (2%)	0.5/23M
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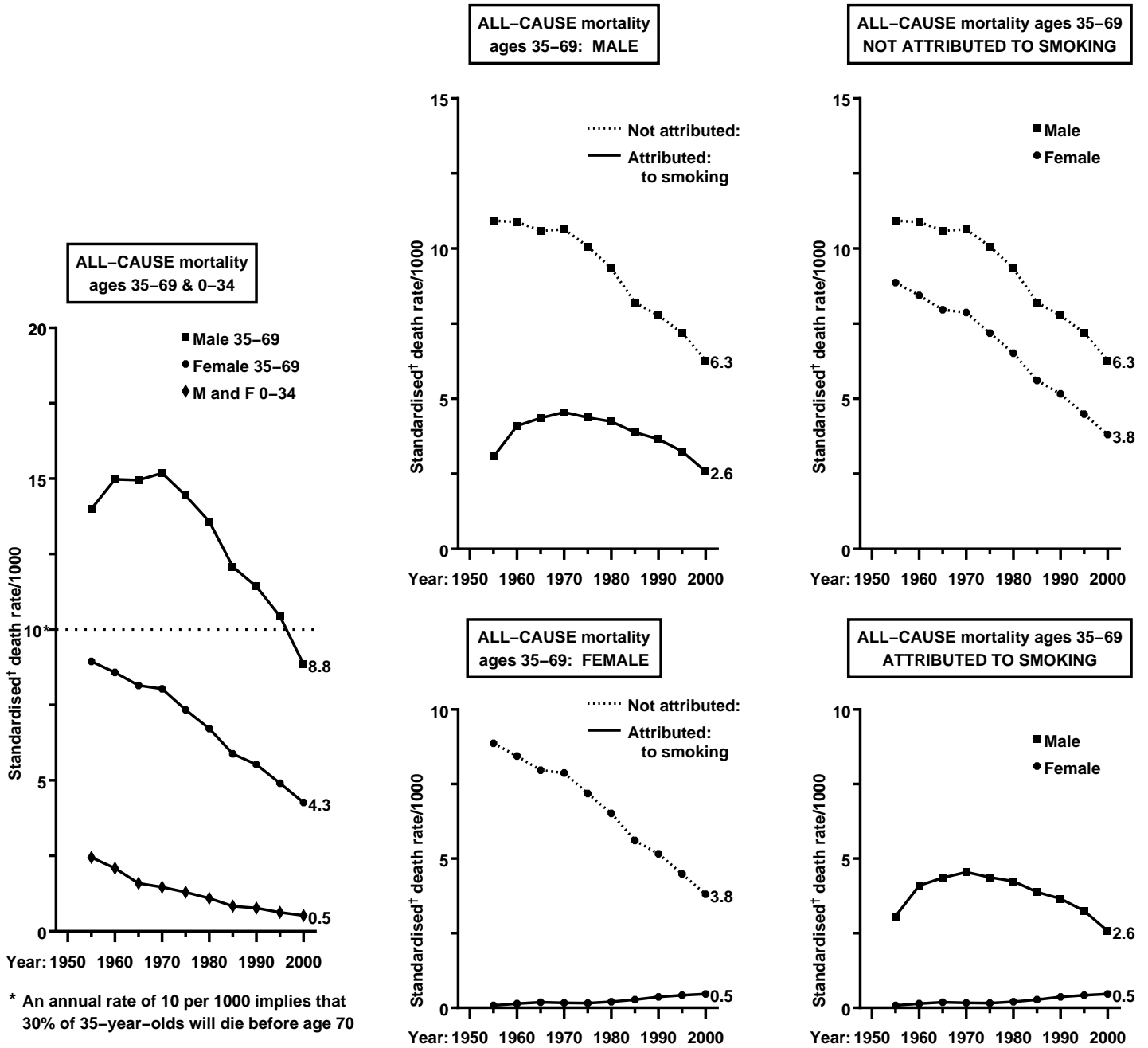
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: GERMANY



GERMANY: 1955-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

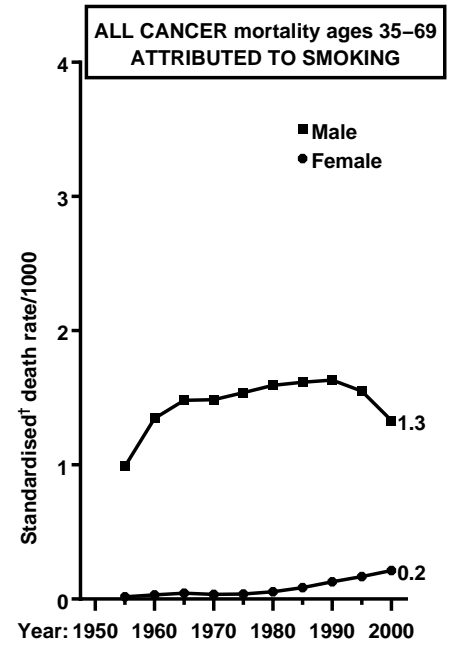
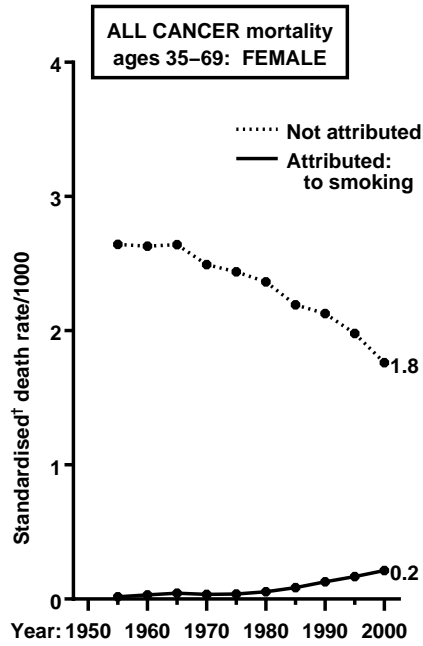
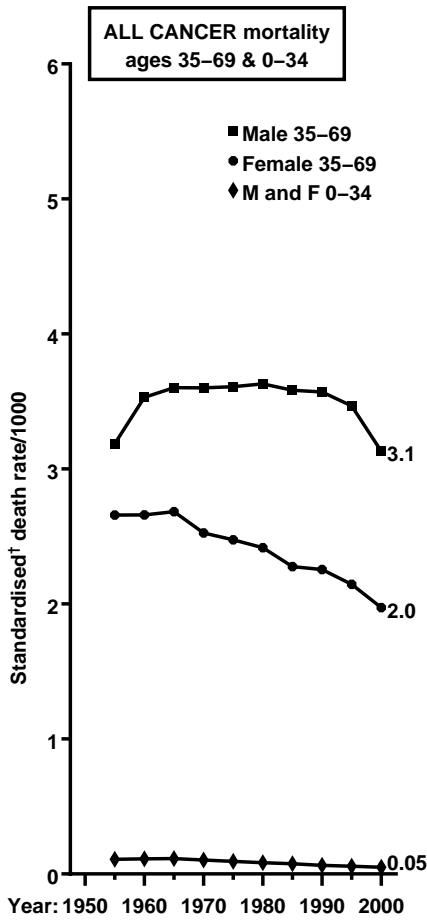
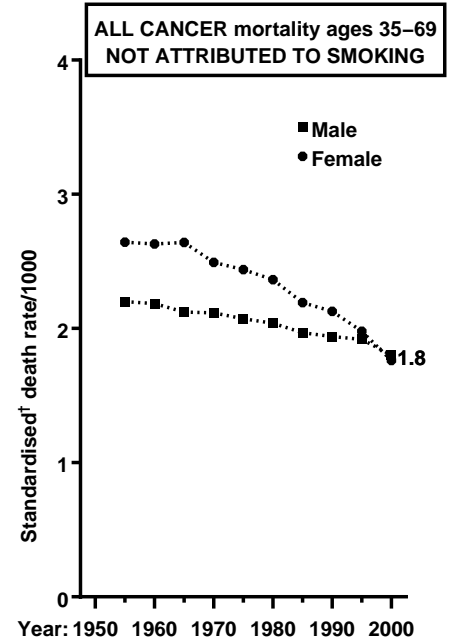
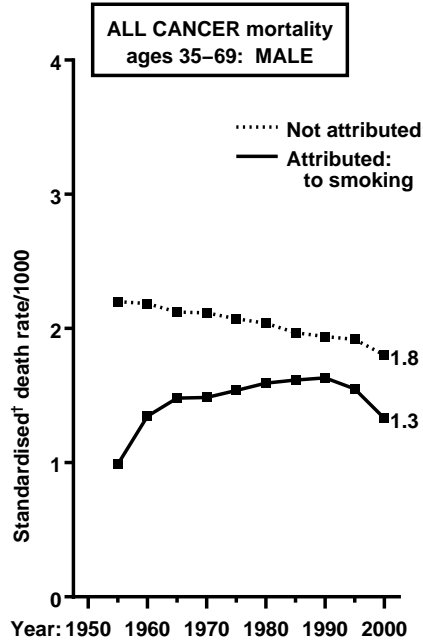
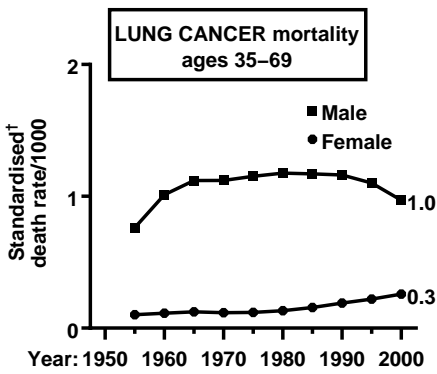
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	2.86	3.07	10.9	4.78	73.6	-	2.03	0.08	8.86	0.06	65.4	-	0.06	65.4	-
1960	-	2.50	4.09	10.9	8.28	73.8	-	1.67	0.14	8.44	0.29	62.7	-	0.29	62.7	-
1965	-	1.94	4.35	10.6	11.4	69.6	-	1.23	0.18	7.96	0.87	56.4	-	0.87	56.4	-
1970	-	1.85	4.55	10.6	16.6	68.9	-	1.07	0.16	7.87	0.66	56.5	-	0.66	56.5	-
1975	-	1.63	4.37	10.1	19.5	67.2	-	0.95	0.15	7.18	0.73	52.9	-	0.73	52.9	-
1980	-	1.39	4.24	9.34	16.9	59.7	-	0.79	0.20	6.51	0.84	44.4	-	0.84	44.4	-
1985	-	1.05	3.88	8.20	16.0	56.6	-	0.60	0.27	5.61	0.99	40.4	-	0.99	40.4	-
1990	-	1.00	3.65	7.77	13.3	50.4	-	0.53	0.36	5.16	1.38	35.4	-	1.38	35.4	-
1995	-	0.82	3.25	7.19	12.5	44.3	-	0.42	0.42	4.48	1.76	30.2	-	1.76	30.2	-
2000	-	0.68	2.57	6.27	10.2	38.1	-	0.36	0.46	3.80	1.76	25.3	-	1.76	25.3	-

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000: GERMANY

Trends in ALL CANCER mortality attributed and not attributed to smoking



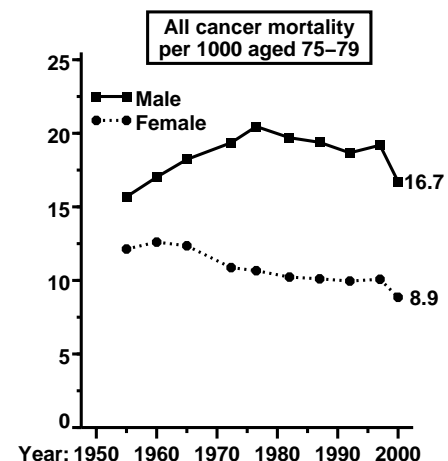
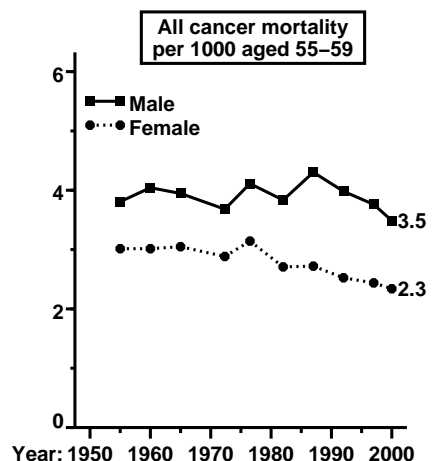
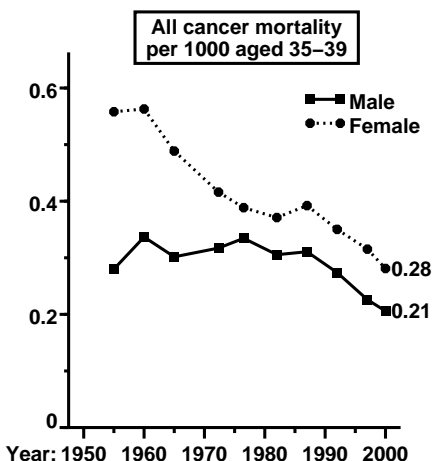
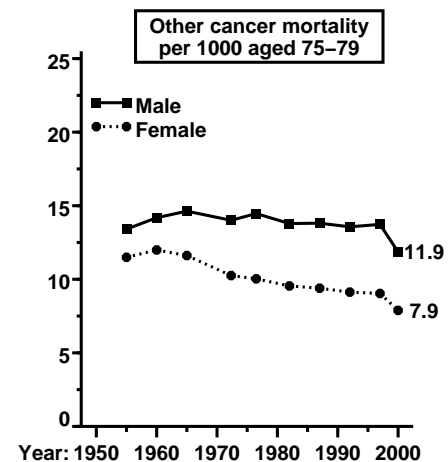
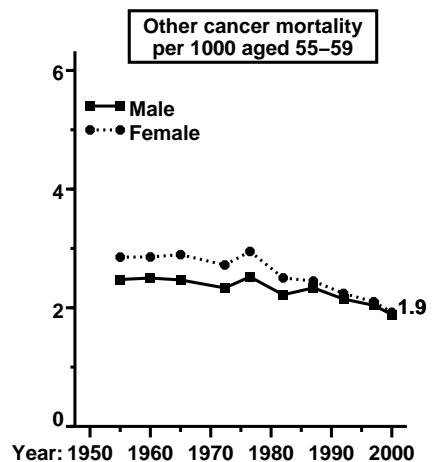
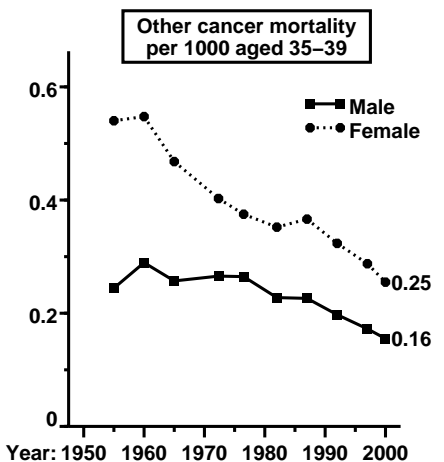
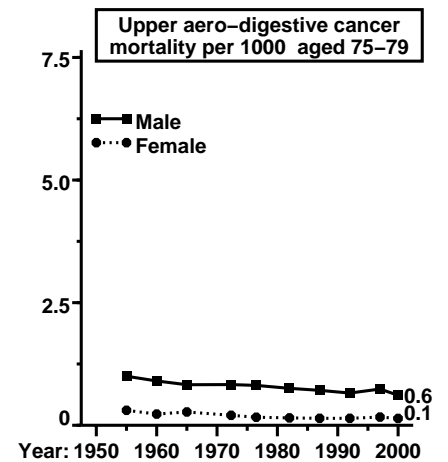
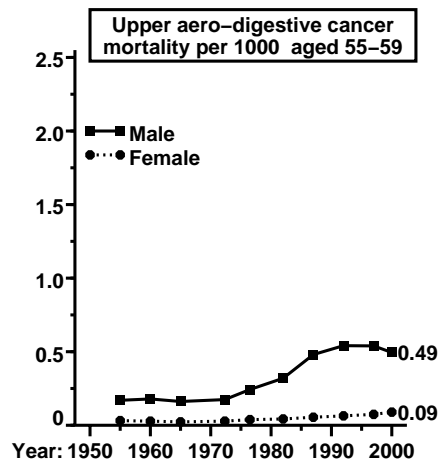
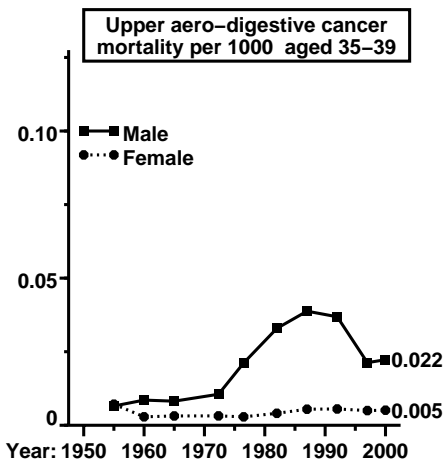
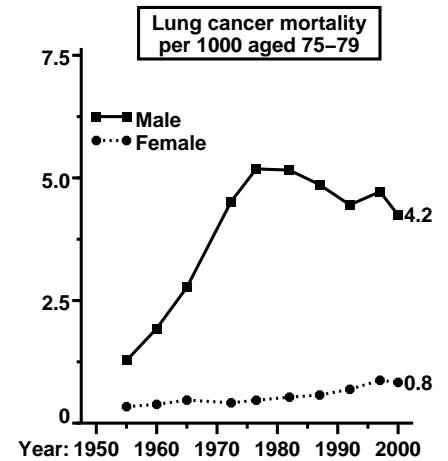
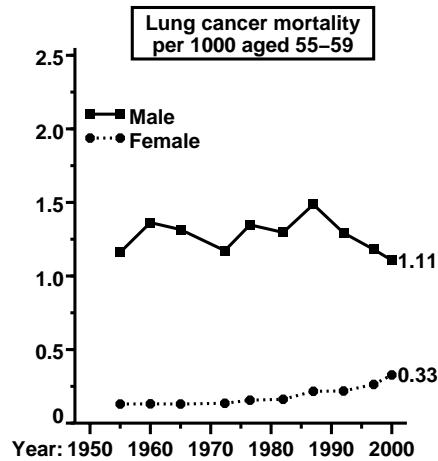
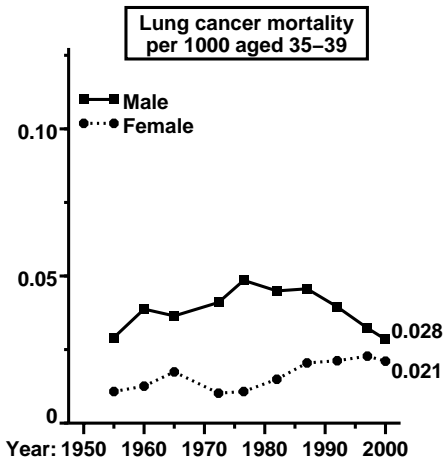
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955	-	0.10	0.99	2.20	1.65	12.2	-	0.11	0.02	2.64	0.01	10.4	-	0.05		
1960	-	0.11	1.35	2.18	2.80	12.3	-	0.11	0.03	2.63	0.05	10.6	-	0.05		
1965	-	0.12	1.48	2.12	4.09	12.3	-	0.11	0.04	2.64	0.19	10.5	-	0.05		
1970	-	0.11	1.48	2.12	5.31	11.3	-	0.09	0.03	2.49	0.12	9.37	-	0.05		
1975	-	0.10	1.54	2.07	6.55	11.5	-	0.08	0.04	2.44	0.14	9.23	-	0.05		
1980	-	0.09	1.59	2.04	6.38	10.7	-	0.07	0.05	2.36	0.20	8.66	-	0.05		
1985	-	0.08	1.61	1.97	6.25	10.8	-	0.07	0.08	2.19	0.25	8.62	-	0.05		
1990	-	0.07	1.63	1.94	5.66	10.8	-	0.06	0.13	2.13	0.39	8.20	-	0.05		
1995	-	0.06	1.55	1.92	5.70	10.5	-	0.06	0.17	1.98	0.55	7.96	-	0.05		
2000	-	0.05	1.33	1.80	5.06	9.70	-	0.05	0.21	1.76	0.62	7.12	-	0.05		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

GERMANY: 1955-2000

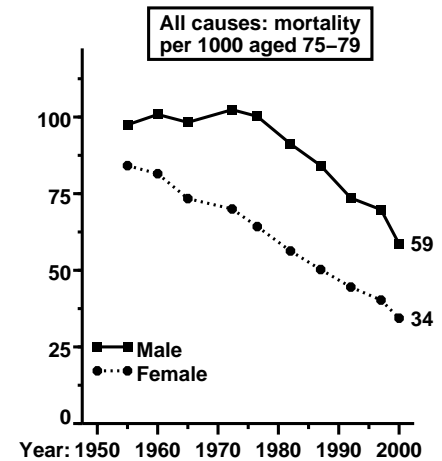
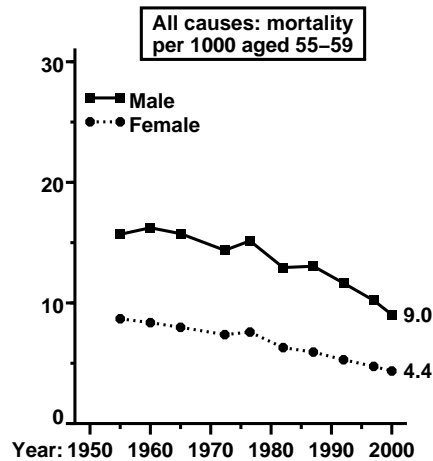
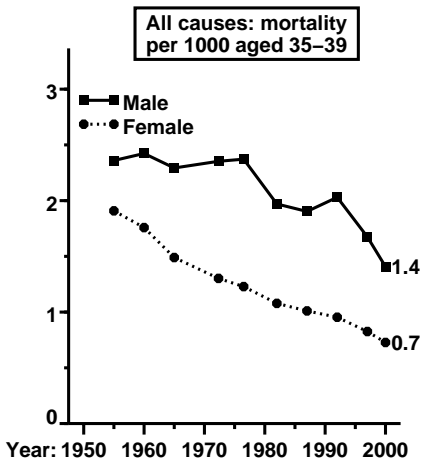
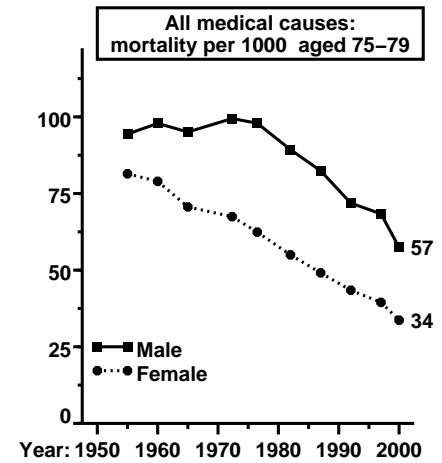
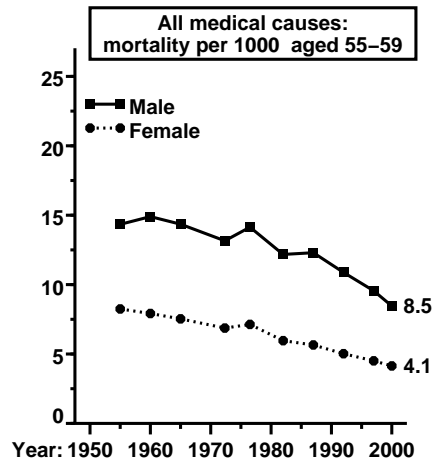
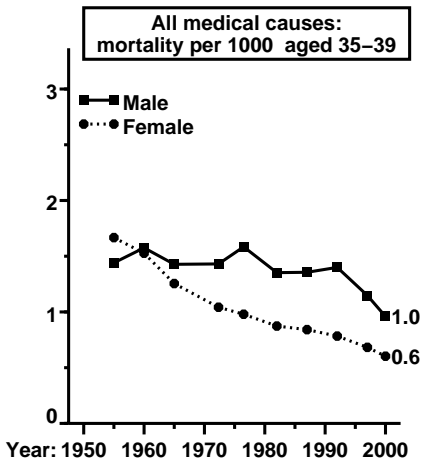
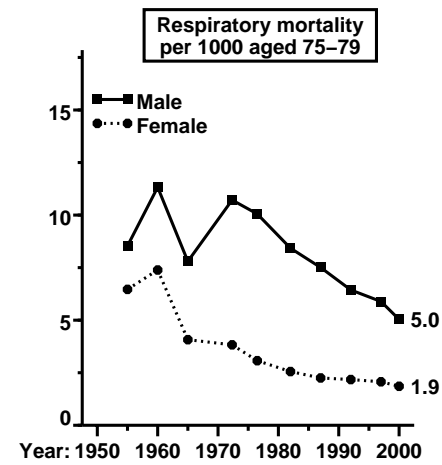
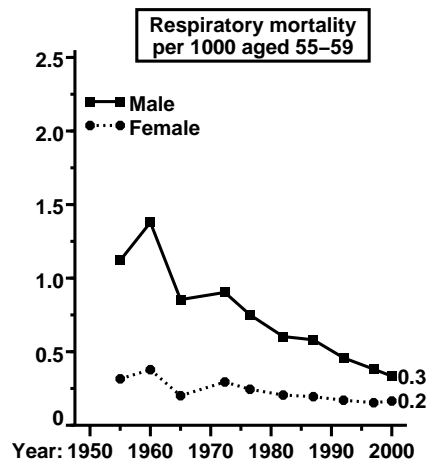
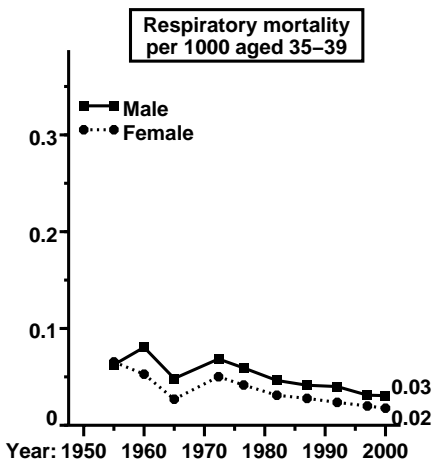
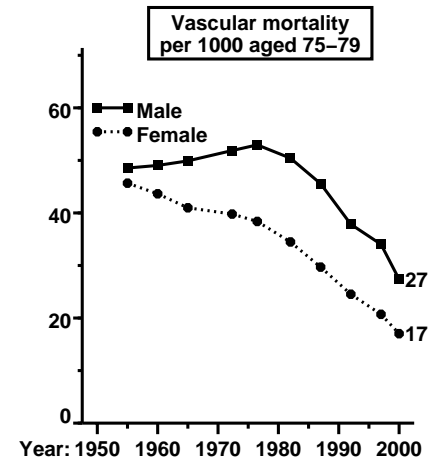
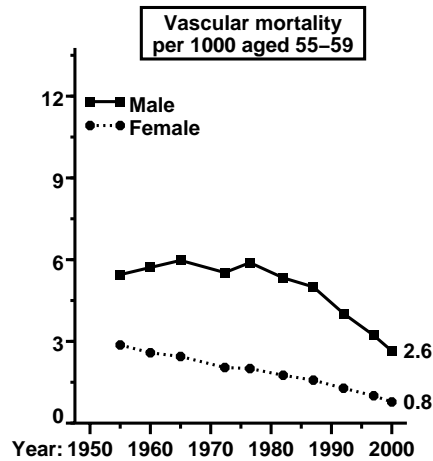
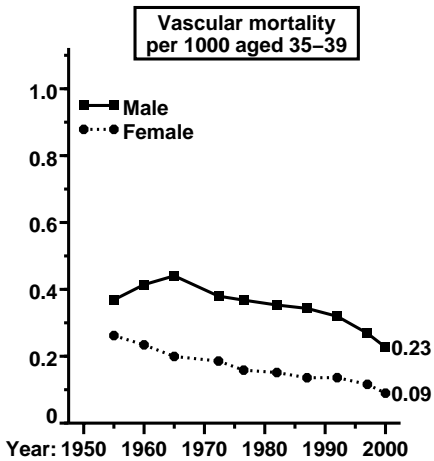
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1955–59,.....,1995–99; then year 2000 separately

1955-2000: GERMANY

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1955-59,.....,1995-99; then year 2000 separately

GREECE: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	55455	2231	16538	787.1	86.9	757.1	150.4	12.9	17.2	72.9	120.6	117.4	116.8
	F	49764	861	7927	515.6	38.4	337.3	114.2	12.6	9.8	28.1	33.0	32.3	38.8
Tuberculosis	M	62	3	26	0.9	0.1	1.1	-	-	-	-	-	0.2	0.5
	F	21	-	11	0.3	-	0.5	-	-	-	-	-	-	-
HIV	M	23	3	20	0.4	0.1	0.8	-	-	-	-	-	0.2	0.5
	F	6	2	4	0.1	0.1	0.2	-	-	-	-	-	0.2	0.2
Other infective and parasitic	M	195	34	55	3.1	1.6	2.5	7.1	-	0.3	1.4	0.7	0.5	1.0
	F	215	11	35	2.4	0.6	1.5	3.2	0.4	0.3	-	-	0.2	-
ALL CANCER	M	14663	168	6013	211.0	6.3	278.3	1.9	4.0	4.3	4.7	7.3	8.3	13.6
	F	9100	135	3400	109.1	5.3	144.6	3.2	2.3	2.8	4.3	5.4	6.2	12.6
Mouth and pharynx cancer	M	172	4	96	2.7	0.1	4.3	-	-	-	-	0.2	0.5	-
	F	78	-	33	1.0	-	1.4	-	-	-	-	-	-	-
Oesophagus cancer	M	143	1	65	2.1	0.0	3.0	-	-	-	-	-	-	0.2
	F	43	-	10	0.5	-	0.4	-	-	-	-	-	-	-
Stomach cancer	M	836	4	340	11.9	0.1	15.8	-	-	-	-	-	0.2	0.7
	F	497	5	145	5.7	0.2	6.1	-	-	-	-	0.3	0.5	0.5
Colorectal cancer	M	952	4	312	13.2	0.1	14.5	-	-	-	-	-	0.5	0.5
	F	872	5	234	9.6	0.2	10.0	-	-	-	-	0.3	0.5	0.5
Liver cancer	M	139	2	77	2.1	0.1	3.6	0.4	-	-	-	0.2	-	-
	F	36	1	12	0.4	0.0	0.5	-	-	-	0.3	-	-	-
Pancreas cancer	M	629	2	282	9.1	0.1	13.1	-	-	-	-	-	-	0.5
	F	510	1	163	5.8	0.0	7.0	-	-	-	-	-	-	0.2
Larynx cancer	M	286	-	131	4.2	-	6.1	-	-	-	-	-	-	-
	F	27	-	11	0.3	-	0.5	-	-	-	-	-	-	-
Lung cancer	M	4725	11	2391	69.8	0.4	110.6	-	-	-	0.3	0.2	0.5	1.7
	F	870	5	372	10.7	0.2	15.9	0.4	-	-	-	-	0.5	0.5
Malignant melanoma	M	78	3	49	1.2	0.1	2.2	-	-	-	-	-	0.2	0.5
	F	53	3	24	0.7	0.1	1.0	-	-	-	0.3	-	0.2	0.2
Female breast cancer	M	1603	12	793	20.8	0.4	33.6	-	-	-	-	-	0.2	2.7
Cervix cancer	F	108	4	54	1.5	0.1	2.2	-	-	-	-	-	-	1.0
Other uterine cancer	F	263	3	106	3.2	0.1	4.5	-	-	-	-	-	0.2	0.5
Ovarian cancer	F	403	4	218	5.3	0.1	9.3	-	-	-	-	-	0.5	0.5
Prostate cancer	M	1253	-	161	16.4	-	7.7	-	-	-	-	-	-	-
Bladder cancer	M	737	1	198	10.1	0.0	9.4	-	-	-	-	-	-	0.2
	F	176	-	27	1.8	-	1.2	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	3678	80	1531	53.4	3.0	70.6	0.7	2.5	3.0	1.9	2.9	3.8	6.4
	F	2765	55	950	32.5	2.3	40.4	2.8	1.1	2.1	1.7	2.3	2.5	3.4
Hodgkin's disease	M	139	11	71	2.1	0.4	3.1	-	-	-	0.3	1.2	0.5	0.7
	F	107	13	37	1.4	0.5	1.5	-	-	-	0.6	0.8	0.7	1.2
Myeloma and non- Hodgkin lymphomas	M	308	10	127	4.4	0.4	5.9	-	-	-	0.8	0.7	0.5	0.5
	F	268	7	88	3.1	0.3	3.8	-	-	0.3	0.3	0.5	-	0.7
Leukaemia	M	588	35	182	8.4	1.4	8.4	0.7	1.4	1.3	1.4	1.7	1.9	1.2
	F	421	17	123	4.8	0.7	5.2	-	1.1	0.3	1.2	1.3	0.2	0.7
Diabetes	M	345	2	132	4.9	0.1	6.2	0.4	-	-	-	-	-	0.2
	F	494	2	119	5.3	0.1	5.1	-	-	-	-	-	-	0.5
ALL VASCULAR DISEASE	M	24885	148	6323	341.6	5.2	291.1	0.7	-	1.0	1.4	5.1	9.3	18.6
	F	27398	73	2543	263.0	2.7	108.9	0.4	0.8	0.3	0.9	4.4	5.7	6.3
Rheumatic heart disease and fever	M	7	-	3	0.1	-	0.1	-	-	-	-	-	-	-
	F	4	-	4	0.2	-	0.2	-	-	-	-	-	-	-
Hypertensive disease	M	463	2	94	6.2	0.1	4.4	-	-	-	-	-	0.2	0.2
	F	580	2	79	5.7	0.1	3.4	-	-	-	-	-	-	0.5
Ischaemic heart disease	M	7975	70	3417	116.4	2.4	156.0	-	-	-	-	2.7	3.6	10.5
	F	4935	12	902	50.6	0.4	38.7	-	-	-	-	1.0	1.7	0.2
Pulmonary embolism and other venous	M	281	8	94	4.0	0.3	4.2	0.4	-	-	-	0.2	1.0	0.5
	F	386	1	77	4.1	0.0	3.3	-	-	-	-	-	-	0.2
Cerebrovascular disease	M	7867	23	1351	104.9	0.8	62.7	-	-	0.3	0.8	1.0	1.7	1.9
	F	10886	26	818	103.3	1.0	35.0	-	0.8	0.3	0.6	1.3	2.0	1.9
Other vascular disease	M	8292	45	1364	110.0	1.6	63.6	0.4	-	0.7	0.5	1.2	2.9	5.5
	F	10592	32	663	99.1	1.2	28.4	0.4	-	-	0.3	2.1	2.0	3.4
Chronic obstructive pulmonary disease	M	989	2	179	13.1	0.1	8.4	-	-	-	0.3	-	-	0.2
	F	472	2	63	4.7	0.1	2.7	-	-	-	-	-	-	0.5
Other respiratory disease	M	3304	95	668	45.2	3.6	30.5	5.2	0.7	0.3	2.5	4.6	5.5	6.4
	F	3230	32	330	31.7	1.5	14.0	5.2	0.4	1.0	1.2	-	1.5	1.2
Peptic ulcer	M	168	1	44	2.4	0.0	2.0	-	-	-	0.3	-	-	-
	F	125	-	12	1.2	-	0.5	-	-	-	-	-	-	-
Liver cirrhosis	M	475	3	277	7.3	0.1	12.5	-	-	0.3	-	-	-	0.5
	F	225	2	76	2.6	0.1	3.2	-	-	-	-	-	-	0.5
Renal disease	M	799	7	175	10.8	0.3	8.1	0.7	-	0.3	-	0.2	0.2	0.5
	F	739	5	110	7.5	0.2	4.7	-	-	-	-	0.3	0.5	0.5
Pregnancy, birth Congenital and perinatal causes	F	-	-	-	-	-	-	-	-	-	-	-	-	-
	M	318	318	-	9.4	16.9	-	112.9	1.4	1.7	2.2	-	-	-
	F	242	242	-	7.7	13.8	-	91.4	2.7	1.4	0.9	-	-	-
Ill-defined causes	M	3918	64	574	52.2	2.4	26.6	4.1	-	0.3	1.6	2.7	3.3	5.0
	F	4516	28	336	42.9	1.2	14.3	2.8	0.4	-	0.6	1.0	1.7	1.7
Other medical causes	M	1930	103	594	27.7	4.0	27.0	6.4	0.7	1.7	3.3	4.9	5.7	5.5
	F	1865	57	421	20.6	2.4	17.8	3.6	0.4	1.4	2.3	3.1	3.5	2.2
ALL NON- MEDICAL CAUSES	M	3381	1280	1458	57.1	46.1	62.0	10.9	6.1	6.9	55.3	94.9	84.0	64.5
	F	1116	270	467	16.7	10.6	19.3	4.4	5.4	2.4	18.0	18.8	12.7	12.6
Motor vehicle traffic accidents	M	1686	723	687	28.7	26.0	29.1	3.0	2.9	5.3	38.6	55.8	44.4	32.4
	F	490	155	218	7.7	6.0	9.0	2.0	2.3	0.7	10.4	13.9	6.2	6.5
Fire	M	72	13	24	1.1	0.5	1.0	1.1	-	-	0.3	1.0	0.5	0.7
	F	46	5	8	0.6	0.2	0.3	0.4	0.8	-	-	0.5	-	-
Suicide	M	298	90	156	5.0	3.2	6.6	-	-	0.7	3.3	4.6	7.9	5.7
	F	84	24	42	1.3	0.9	1.7	-	-	-	2.0	0.8	1.2	2.2
Homicide	M	85	31	49	1.5	1.1	2.1	-	-	-	0.3	1.7	3.8	1.7
	F	40	8	17	0.6	0.3	0.7	0.4	-	-	0.3	0.3	0.5	0.7
POPULATION: (1000s; UN, 2002 revision)			M=male		5376.7	2461.1	2362.2	266.7	278.2	302.9	365.1	408.7	419.2	420.3
			F=female		5526.2	2345.2	2452.6	249.5	260.9	286.9	345.3	387.6	402.2	412.8

2000: GREECE

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
148.6	219.5	331.6	550.3	745.4	1276.8	2027.5	3438.8	5306.8	12825.7	M	ALL CAUSES	001-999/A00-Y89
62.5	90.7	150.6	233.2	302.7	552.3	969.0	1921.6	3686.2	12106.3	F		
1.0	0.3	0.6	1.5	0.7	2.3	1.7	2.9	6.6	10.1	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.3	-	0.3	0.6	-	0.9	1.2	1.0	0.5	2.6	F		
0.5	0.8	1.7	0.9	0.7	1.0	0.3	-	-	-	M	HIV	279.5, 279.6/B20-B24
0.5	-	0.6	-	-	-	-	-	-	-	F		
1.0	0.8	1.7	1.2	0.7	3.6	8.5	7.8	15.1	40.6	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.5	0.5	0.3	1.2	1.0	3.0	3.9	9.5	15.7	47.5	F		
20.1	50.5	103.2	205.5	302.2	498.0	768.2	1176.3	1517.1	2097.6	M	ALL CANCER	140-208/C00-C97
21.5	45.5	78.8	124.7	151.7	248.0	342.1	522.4	719.0	1114.2	F		
0.5	1.1	4.2	4.5	6.4	6.9	6.8	13.6	6.6	18.4	M	Mouth and pharynx cancer	140-149/C00-C14
0.5	-	2.0	0.6	1.9	2.1	2.7	4.4	5.9	8.7	F		
0.3	0.3	1.1	2.4	2.7	4.9	9.5	11.5	9.2	22.2	M	Oesophagus cancer	150/C15
-	0.3	0.3	0.6	0.3	1.2	0.3	2.4	3.4	8.3	F		
1.8	2.4	5.6	10.1	14.1	26.3	50.2	71.9	85.4	118.5	M	Stomach cancer	151/C16
1.5	1.6	4.2	5.3	6.1	10.5	13.9	29.9	41.1	76.3	F		
1.0	3.7	3.6	8.0	9.7	27.9	47.5	76.4	110.4	178.7	M	Colorectal cancer	153, 154/C18-C21
0.8	2.4	3.4	9.1	10.9	17.1	26.5	47.2	77.3	146.4	F		
-	0.3	0.8	3.0	4.4	7.9	8.8	14.4	7.2	8.9	M	Liver cancer	155.0/C22 excl C221
-	0.3	-	0.3	0.3	0.9	1.8	2.4	4.9	2.6	F		
1.0	1.6	4.2	9.8	13.8	23.3	38.0	50.9	54.5	87.5	M	Pancreas cancer	157/C25
0.3	0.8	3.1	5.6	5.8	12.6	20.8	31.2	56.3	60.6	F		
-	0.8	1.4	5.6	7.7	9.2	18.0	25.5	30.9	29.2	M	Larynx cancer	161/C32
-	-	0.3	0.9	0.6	0.6	0.9	2.0	1.5	3.1	F		
4.8	17.2	43.1	90.0	126.1	206.8	286.4	402.6	455.3	411.9	M	Lung cancer	162/C33, C34
0.8	3.7	8.4	15.0	18.0	27.9	37.7	60.4	66.1	78.4	F		
0.8	1.3	2.0	0.9	1.7	4.9	3.7	5.3	2.0	6.3	M	Malignant melanoma	172/C43
0.3	0.5	0.6	1.5	1.0	0.9	2.4	3.1	2.0	5.7	F		
5.3	11.2	24.3	34.6	38.9	62.4	58.8	80.8	105.2	150.3	F	Female breast cancer	174/C50
1.3	2.6	2.5	2.9	1.9	2.4	1.8	5.8	6.4	8.7	F	Cervix cancer	180/C53
1.8	0.8	1.4	3.2	5.5	8.7	10.2	13.2	21.5	30.9	F	Other uterine cancer	179, 182/C54, C55
1.0	2.6	5.6	6.2	11.6	16.8	21.4	20.0	25.9	30.1	F	Ovarian cancer	183/C56, C570-C574
-	0.3	0.8	1.8	6.4	14.8	29.5	83.4	157.7	411.3	M	Prostate cancer	185/C61
-	0.8	1.1	3.6	12.4	17.4	30.2	61.2	89.4	160.3	M	Bladder cancer	188/C67
-	-	-	1.8	1.3	1.8	3.3	9.2	15.7	39.2	F		
7.1	14.3	27.7	56.7	78.2	118.8	191.4	280.6	393.6	497.5	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
6.8	13.6	18.2	32.3	37.9	66.9	107.0	163.3	216.8	364.3	F		
1.3	2.4	2.8	1.5	2.7	4.9	6.4	9.4	12.5	9.5	M	Hodgkin's disease	201/C81
0.5	1.3	1.1	1.2	1.3	1.5	3.9	5.8	7.3	10.9	F		
1.0	1.6	2.5	3.0	6.4	9.2	17.3	24.7	30.9	40.6	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
-	1.6	1.1	1.8	3.5	7.2	11.2	16.0	24.5	33.1	F		
0.5	2.6	2.2	4.8	9.7	14.8	24.4	44.8	71.6	97.0	M	Leukaemia	204-208/C91-C95
0.8	2.4	2.5	2.1	4.8	6.6	17.5	25.5	37.2	56.6	F		
-	2.9	-	3.0	6.4	10.5	20.4	25.9	35.5	59.6	M	Diabetes	250/E10-E14
-	0.3	1.7	2.6	3.9	9.6	17.8	30.2	50.9	78.4	F		
37.2	69.0	125.0	208.8	276.8	491.1	829.7	1482.3	2477.0	6993.7	M	ALL VASCULAR DISEASE	390-459/I00-I99
11.6	16.7	28.8	50.5	84.8	173.9	396.0	928.0	2060.7	7772.5	F		
-	0.3	-	-	-	0.3	0.3	0.4	-	1.9	M	Rheumatic heart disease and fever	390-398/I00-I09
-	-	-	-	-	0.3	0.9	1.0	2.9	2.6	F		
0.8	0.3	1.1	2.1	4.4	6.9	15.3	29.2	38.8	150.2	M	Hypertensive disease	401-405/I10-I15
0.3	0.3	2.2	0.9	1.9	5.1	13.0	24.8	48.5	142.5	F		
21.9	44.7	80.2	138.4	171.1	258.4	377.3	560.0	759.5	1247.8	M	Ischaemic heart disease	410-414/I20-I25
3.8	7.1	9.8	20.8	35.7	61.5	132.0	237.9	441.0	1054.0	F		
1.3	2.9	2.2	2.4	3.7	4.6	12.6	19.7	23.7	60.2	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.5	1.6	2.0	2.1	3.2	4.2	9.3	22.7	28.4	79.7	F		
7.1	12.2	20.1	35.3	52.3	114.2	197.5	446.2	869.3	2588.1	M	Cerebrovascular disease	430-438/I60-I69
3.3	5.8	9.8	15.3	25.7	57.9	127.5	342.8	845.8	3182.6	F		
6.1	8.7	21.2	30.6	45.3	106.7	226.7	426.9	785.8	2945.5	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
3.8	2.1	5.0	11.4	18.3	45.0	113.3	298.7	694.1	3311.1	F		
0.5	0.8	2.2	3.3	5.4	17.7	28.8	75.6	136.0	264.3	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.3	-	1.7	2.6	2.6	4.2	7.5	17.3	37.7	121.6	F		
8.9	11.4	9.8	18.1	25.2	55.2	85.2	168.4	316.7	1045.0	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
3.0	3.9	5.9	7.6	8.0	21.6	47.9	107.3	232.0	905.4	F		
0.3	0.8	1.1	2.1	2.3	3.6	3.7	7.8	17.7	48.8	M	Peptic ulcer	531-533/K25-K27
-	0.3	-	-	1.0	1.5	0.9	5.1	13.7	30.5	F		
1.3	4.8	8.4	12.8	10.4	23.0	27.1	34.5	35.5	36.1	M	Liver cirrhosis	571/K70, K74
0.3	1.0	1.7	1.8	3.9	5.7	8.4	13.9	18.1	30.1	F		
0.5	2.9	2.0	4.2	7.0	13.8	26.5	56.7	82.1	224.3	M	Renal disease	580-590/N00-N19
0.5	0.8	1.1	2.1	4.2	9.0	15.4	33.3	71.0	166.0	F		
-	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
-	-	-	-	-	-	-	-	-	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
-	-	-	-	-	-	-	-	-	-	F		
4.1	6.6	8.7	13.7	21.1	44.6	87.2	170.5	369.9	1458.8	M	Ill-defined causes	780-799/R00-R99
1.5	2.4	5.9	7.0	9.3	25.8	48.5	128.3	260.4	1412.6	F		
6.1	11.6	15.7	16.9	28.2	41.4	68.9	129.4	188.6	399.9	M	Other medical causes	Rest of 001-799/ rest of A00-R99
7.3	6.5	7.0	14.1	16.4	25.2	47.9	86.6	149.8	359.9	F		
67.0	56.3	51.7	58.5	58.4	70.9	71.3	100.7	109.1	147.0	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
15.2	12.8	17.0	18.5	16.1	24.0	31.3	38.7	56.8	64.9	F		
31.6	28.6	26.8	27.0	27.5	30.2	31.9	44.8	55.8	52.0	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
7.9	6.0	8.4	6.7	7.4	11.1	15.4	16.3	16.2	15.7	F		
1.0	1.3	1.4	0.3	0.3	2.0	0.7	2.5	6.6	12.0	M	Fire	E890-E899/X00-X09
0.3	-	-	0.3	0.6	0.6	0.6	1.7	5.4	7.4	F		
6.6	6.6	5.3	8.0	5.7	6.9	7.1	9.0	7.9	11.4	M	Suicide	E950-E959/X60-X84
1.3	1.3	0.6	3.8	0.6	3.3	1.2	2.0	3.4	2.2	F		
3.6	1.3	1.1	2.1	2.0	2.6	1.7	1.2	0.7	0.6	M	Homicide	E960-E969/ X85-X99, Y00-Y09
0.8	0.8	0.8	0.6	0.3	0.6	0.9	1.4	2.9	2.2	F		
392.3	378.1	357.7	336.7	298.1	304.6	294.7	243.4	152.2	157.8	M	POPULATION	
394.9	382.4	357.9	340.9	311.2	333.5	331.8	294.6	204.3	229.5	F	(1000s; UN, 2002 revision)	

GREECE: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2407	206	22	7	177	2	57	142	7	656	1337
35-69	Sm.	5641	3007	2244	202	561	99	150	1875	-	510	-
	Total	17093 (33%)	6272 (48%)	2420 (93%)	311 (65%)	3541 (16%)	127 (78%)	531 (28%)	6599 (28%)	291	1795 (28%)	1478
70+	Sm.	5697	2540	1770	156	614	403	201	1973	-	580	-
	Total	33350 (17%)	7181 (35%)	1954 (91%)	265 (59%)	4962 (12%)	558 (72%)	1817 (11%)	17780 (11%)	168	5254 (11%)	592
Any age	Sm.	11338	5547	4014	358	1175	502	351	3848	-	1090	-
	Total	52850 (21%)	13659 (41%)	4396 (91%)	583 (61%)	8680 (14%)	687 (73%)	2405 (15%)	24521 (16%)	466	7705 (14%)	3407
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2231	168	11	5	152	2	95	148	3	535	1280
35-69	Sm.	5397	2892	2205	187	500	136	184	1739	-	446	-
	Total	16538 (33%)	6013 (48%)	2391 (92%)	292 (64%)	3330 (15%)	179 (76%)	668 (28%)	6323 (28%)	277	1620 (28%)	1458
70+	Sm.	6374	2959	2094	175	690	573	267	1982	-	593	-
	Total	36686 (17%)	8482 (35%)	2323 (90%)	304 (58%)	5855 (12%)	808 (71%)	2541 (11%)	18414 (11%)	195	5603 (11%)	643
Any age	Sm.	11771	5851	4299	362	1190	709	451	3721	-	1039	-
	Total	55455 (21%)	14663 (40%)	4725 (91%)	601 (60%)	9337 (13%)	989 (72%)	3304 (14%)	24885 (15%)	475	7758 (13%)	3381

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)													
1995	5160.4	2485.4	2220.9	365.2	347.3	329.6	294.5	307.1	307.8	269.4	183.7	120.1	150.3
2000	5376.7	2461.1	2362.2	392.3	378.1	357.7	336.7	298.1	304.6	294.7	243.4	152.2	157.8
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	52850	2407	17093	580	782	1160	1480	2615	4311	6165	6520	7046	19784
2000	55455	2231	16538	583	830	1186	1853	2222	3889	5975	8370	8077	20239
Lung cancer													
1995	4396	22	2420	32	75	140	230	388	656	899	753	588	613
2000	4725	11	2391	19	65	154	303	376	630	844	980	693	650
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	836.1*	97.3*	825.6*	158.8	225.2	351.9	502.5	851.5	1400.6	2288.4	3549.3	5866.8	13163.0
2000	787.1*	86.9*	757.1*	148.6	219.5	331.6	550.3	745.4	1276.8	2027.5	3438.8	5306.8	12825.7
All cancer													
1995	221.4*	8.0*	304.7*	26.0	60.2	114.4	183.0	327.6	560.8	861.2	1178.6	1565.4	2086.5
2000	211.0*	6.3*	278.3*	20.1	50.5	103.2	205.5	302.2	498.0	768.2	1176.3	1517.1	2097.6
Lung cancer													
1995	72.8*	0.9*	117.7*	8.8	21.6	42.5	78.1	126.3	213.1	333.7	409.9	489.6	407.9
2000	69.8*	0.4*	110.6*	4.8	17.2	43.1	90.0	126.1	206.8	286.4	402.6	455.3	411.9
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	9.7*	0.3*	14.9*	1.6	3.5	7.6	12.2	18.9	27.0	33.8	46.3	50.0	79.8
2000	8.9*	0.2*	13.4*	0.8	2.1	6.7	12.5	16.8	21.0	34.3	50.5	46.6	69.7
Other cancer													
1995	138.9*	6.9*	172.1*	15.6	35.1	64.3	92.7	182.4	320.7	493.7	722.4	1025.8	1598.8
2000	132.3*	5.7*	154.2*	14.5	31.2	53.4	103.1	159.3	270.2	447.6	723.1	1015.1	1616.0
Chronic obstructive pulmonary disease (COPD)													
1995	10.3*	0.1*	6.3*	0.3	0.6	0.9	3.1	4.9	11.0	23.4	51.7	95.8	231.5
2000	13.1*	0.1*	8.4*	0.5	0.8	2.2	3.3	5.4	17.7	28.8	75.6	136.0	264.3
Other respiratory disease													
1995	36.6*	2.4*	25.8*	6.0	4.6	8.8	12.6	25.4	44.2	79.1	158.4	288.9	784.4
2000	45.2*	3.6*	30.5*	8.9	11.4	9.8	18.1	25.2	55.2	85.2	168.4	316.7	1045.0
Vascular disease													
1995	374.6*	5.3*	320.8*	39.7	69.7	124.7	185.7	331.2	549.1	945.4	1593.9	2981.7	7499.0
2000	341.6*	5.2*	291.1*	37.2	69.0	125.0	208.8	276.8	491.1	829.7	1482.3	2477.0	6993.7
Liver cirrhosis													
1995	7.9*	0.3*	13.9*	1.9	4.0	7.6	11.9	15.0	27.3	29.7	32.1	35.8	43.9
2000	7.3*	0.1*	12.5*	1.3	4.8	8.4	12.8	10.4	23.0	27.1	34.5	35.5	36.1
Other medical causes													
1995	124.0*	32.1*	87.1*	17.8	26.2	33.1	47.9	77.8	140.0	266.9	443.7	769.4	2338.7
2000	111.8*	25.5*	74.3*	13.5	26.7	31.3	43.4	67.1	120.8	217.2	401.0	715.5	2242.1
All non-medical causes													
1995	61.4*	49.2*	66.9*	67.1	59.9	62.5	58.4	69.7	68.2	82.8	90.9	129.9	179.0
2000	57.1*	46.1*	62.0*	67.0	56.3	51.7	58.5	58.4	70.9	71.3	100.7	109.1	147.0

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: GREECE

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1035	160	11	1	148	1	28	72	0	471	303
35-69	Sm.	423	179	151	7	21	14	13	158	-	59	-
	Total	8625 (5%)	3559 (5%)	354 (43%)	46 (15%)	3159 (1%)	44 (32%)	256 (5%)	3045 (5%)	85	1176 (5%)	460
70+	Sm.	962	239	188	19	32	102	39	458	-	124	-
	Total	37648 (3%)	4642 (5%)	396 (47%)	101 (19%)	4145 (1%)	298 (34%)	2046 (2%)	23741 (2%)	127	6415 (2%)	379
Any age	Sm.	1385	418	339	26	53	116	52	616	-	183	-
	Total	47308 (3%)	8361 (5%)	761 (45%)	148 (18%)	7452 (1%)	343 (34%)	2330 (2%)	26858 (2%)	212	8062 (2%)	1142
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	861	135	5	0	130	2	32	73	2	347	270
35-69	Sm.	404	190	161	9	20	19	16	127	-	52	-
	Total	7927 (5%)	3400 (6%)	372 (43%)	54 (17%)	2974 (1%)	63 (30%)	330 (5%)	2543 (5%)	76	1048 (5%)	467
70+	Sm.	1157	306	246	19	41	141	59	508	-	143	-
	Total	40976 (3%)	5565 (5%)	493 (50%)	94 (20%)	4978 (1%)	407 (35%)	2868 (2%)	24782 (2%)	147	6828 (2%)	379
Any age	Sm.	1561	496	407	28	61	160	75	635	-	195	-
	Total	49764 (3%)	9100 (5%)	870 (47%)	148 (19%)	8082 (1%)	472 (34%)	3230 (2%)	27398 (2%)	225	8223 (2%)	1116

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	5293.8	2387.4	2306.3	367.6	344.7	329.7	301.5	326.5	330.9	305.4	227.9	160.7	211.5
2000	5526.2	2345.2	2452.6	394.9	382.4	357.9	340.9	311.2	333.5	331.8	294.6	204.3	229.5
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	47308	1035	8625	269	360	506	674	1221	2008	3587	4627	7097	25924
2000	49764	861	7927	247	347	539	795	942	1842	3215	5661	7531	27784
Lung cancer													
1995	761	11	354	5	26	30	29	44	91	129	115	108	173
2000	870	5	372	3	14	30	51	56	93	125	178	135	180
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	557.7*	47.2*	387.1*	73.2	104.4	153.5	223.5	374.0	606.8	1174.5	2030.3	4416.3	12257.2
2000	515.6*	38.4*	337.3*	62.5	90.7	150.6	233.2	302.7	552.3	969.0	1921.6	3686.2	12106.3
All cancer													
1995	114.5*	6.4*	158.9*	30.2	57.4	87.4	114.1	185.3	252.9	385.1	501.1	781.0	1061.5
2000	109.1*	5.3*	144.6*	21.5	45.5	78.8	124.7	151.7	248.0	342.1	522.4	719.0	1114.2
Lung cancer													
1995	10.5*	0.4*	15.8*	1.4	7.5	9.1	9.6	13.5	27.5	42.2	50.5	67.2	81.8
2000	10.7*	0.2*	15.9*	0.8	3.7	8.4	15.0	18.0	27.9	37.7	60.4	66.1	78.4
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	1.9*	0.0*	2.1*	0.5	0.9	1.2	2.0	1.8	2.1	5.9	7.5	13.7	29.3
2000	1.8*	-	2.3*	0.5	0.3	2.5	2.1	2.9	3.9	3.9	8.8	10.8	20.0
Other cancer													
1995	102.1*	6.0*	141.0*	28.3	49.0	77.0	102.5	170.0	223.3	336.9	443.2	700.1	950.4
2000	96.6*	5.1*	126.4*	20.3	41.6	67.9	107.7	130.8	216.2	300.5	453.2	642.2	1015.7
Chronic obstructive pulmonary disease (COPD)													
1995	3.8*	0.0*	2.0*	0.8	0.9	1.5	0.7	0.9	3.0	5.9	14.9	30.5	101.7
2000	4.7*	0.1*	2.7*	0.3	-	1.7	2.6	2.6	4.2	7.5	17.3	37.7	121.6
Other respiratory disease													
1995	25.7*	1.2*	11.6*	3.5	0.9	1.8	8.3	8.3	16.0	42.2	82.9	222.2	709.2
2000	31.7*	1.5*	14.0*	3.0	3.9	5.9	7.6	8.0	21.6	47.9	107.3	232.0	905.4
Vascular disease													
1995	294.1*	2.7*	137.8*	11.4	19.1	31.8	61.0	98.6	226.1	516.7	1077.7	2641.6	8056.7
2000	263.0*	2.7*	108.9*	11.6	16.7	28.8	50.5	84.8	173.9	396.0	928.0	2060.7	7772.5
Liver cirrhosis													
1995	2.8*	-	3.8*	0.5	2.3	3.0	2.7	2.5	3.6	12.1	14.9	17.4	30.7
2000	2.6*	0.1*	3.2*	0.3	1.0	1.7	1.8	3.9	5.7	8.4	13.9	18.1	30.1
Other medical causes													
1995	98.2*	24.8*	52.9*	9.2	13.1	13.6	18.9	53.3	80.7	181.4	290.5	664.0	2215.6
2000	87.9*	18.2*	44.6*	10.6	10.7	16.8	27.6	35.7	75.0	135.6	294.0	561.9	2097.6
All non-medical causes													
1995	18.5*	12.1*	20.1*	17.4	10.7	14.3	17.9	25.1	24.5	31.1	48.3	59.7	81.8
2000	16.7*	10.6*	19.3*	15.2	12.8	17.0	18.5	16.1	24.0	31.3	38.7	56.8	64.9

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

GREECE: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 2.2	– / 0.9	–
35–69	5.4 / 17	0.4 / 7.9	23 years
70+	6.4 / 37	1.2 / 41	8 years
All ages	12 / 55	1.6 / 50	14 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

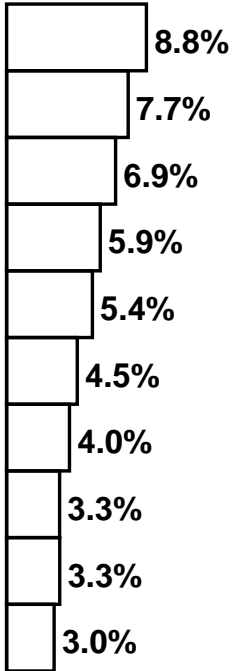
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	2.2/2.4	2.1/2.3	4.3/4.7	–/0.0	0.2/0.4	0.2/0.5	0.4/0.9
All Cancer	–/0.2	2.9/6.0 (48%)	3.0/8.5 (35%)	5.9/15	–/0.1	0.2/3.4 (6%)	0.3/5.6 (5%)	0.5/9.1
Vascular	–/0.1	1.7/6.3	2.0/18	3.7/25	–/0.1	0.1/2.5	0.5/25	0.6/27
Respiratory	–/0.1	0.3/0.8	0.8/3.3	1.2/4.3	–/0.0	0.0/0.4	0.2/3.3	0.2/3.7
All Other	–/1.8	0.4/3.4	0.6/6.4	1.0/12	–/0.6	0.1/1.6	0.1/7.4	0.2/9.6
All Causes	–/2.2	5.4/17 (33%)	6.4/37 (17%)	12/55	–/0.9	0.4/7.9 (5%)	1.2/41 (3%)	1.6/50

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	5.9 / 15 (40%)	0.5 / 9.1 (5%)	6.3 / 24 (27%)
All Causes	12 / 55 (21%)	1.6 / 50 (3%)	13 / 105 (13%)

1955-2000: GREECE

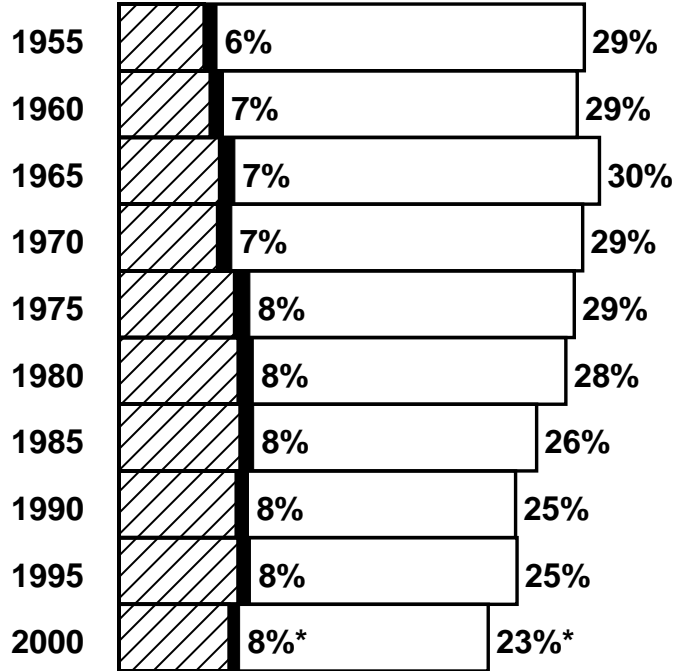
Population risk of dying at ages 0–34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

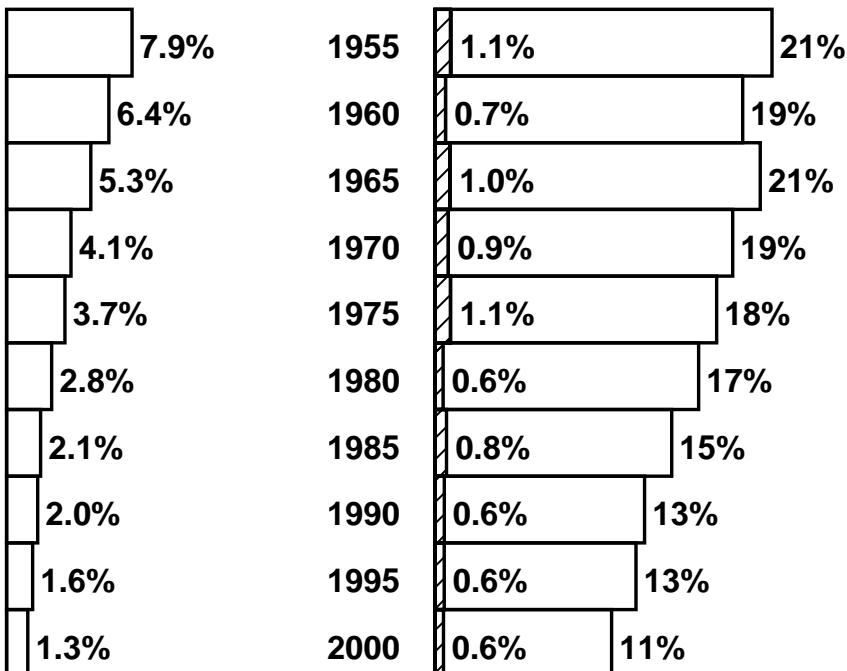
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 23 would die before age 70 (with 8 of these deaths attributed to smoking)

FEMALE



GREECE: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/6.7	2.0/9.6 (21%)	0.7/11 (6%)	2.7/28	-/5.8	0.5/7.8 (6%)	0.0/13	0.5/27
1960	-/6.0	2.4/11 (23%)	1.0/14 (7%)	3.4/31	-/4.8	0.3/7.7 (4%)	0.0/17	0.4/30
1965	-/5.1	3.1/13 (24%)	1.6/17 (10%)	4.7/34	-/3.8	0.5/9.1 (5%)	0.1/20 (0.3%)	0.5/33
1970	-/4.3	3.5/14 (24%)	2.6/20 (13%)	6.1/38	-/3.0	0.5/9.5 (5%)	0.2/23 (0.9%)	0.7/36
1975	-/3.8	4.2/15 (29%)	3.9/23 (17%)	8.1/41	-/2.5	0.6/9.4 (6%)	0.7/27 (3%)	1.2/39
1980	-/3.3	4.5/15 (30%)	4.4/27 (16%)	8.8/45	-/2.0	0.3/9.2 (3%)	0.5/31 (2%)	0.8/42
1985	-/2.9	4.8/15 (32%)	5.5/31 (18%)	10/48	-/1.5	0.5/8.8 (5%)	0.7/34 (2%)	1.2/44
1990	-/2.3	5.1/16 (33%)	5.4/32 (17%)	11/49	-/1.3	0.4/8.2 (5%)	1.0/35 (3%)	1.4/45
1995	-/2.4	5.6/17 (33%)	5.7/33 (17%)	11/53	-/1.0	0.4/8.6 (5%)	1.0/38 (3%)	1.4/47
2000	-/2.2	5.4/17 (33%)	6.4/37 (17%)	12/55	-/0.9	0.4/7.9 (5%)	1.2/41 (3%)	1.6/50

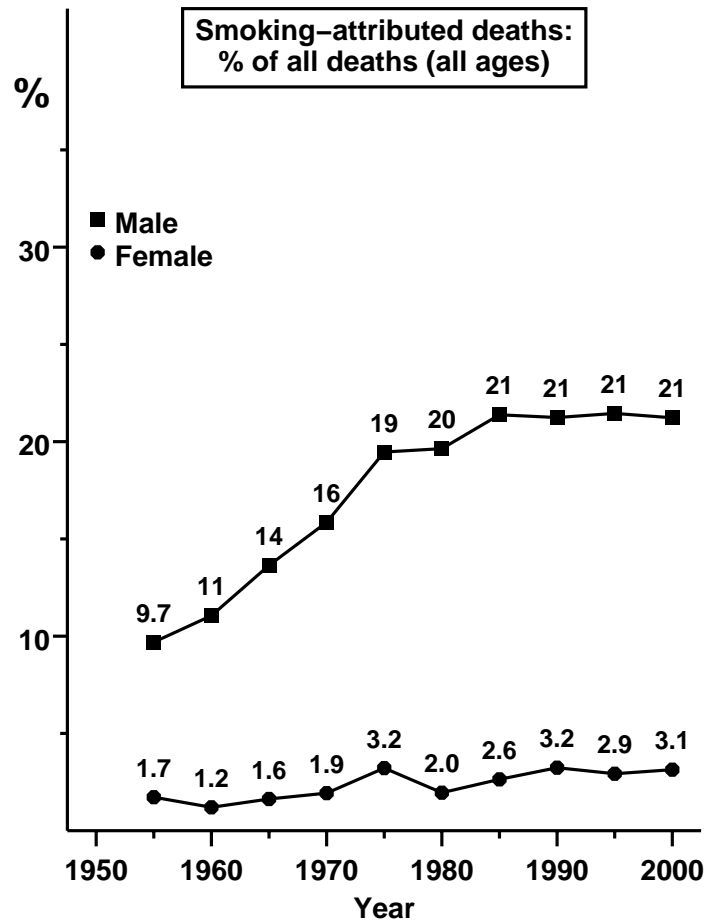
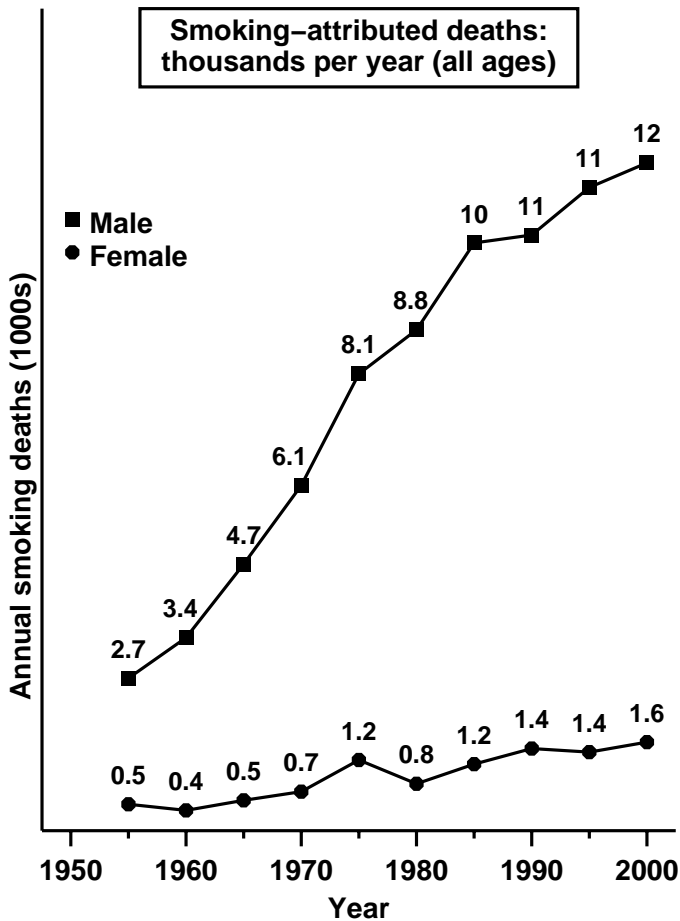
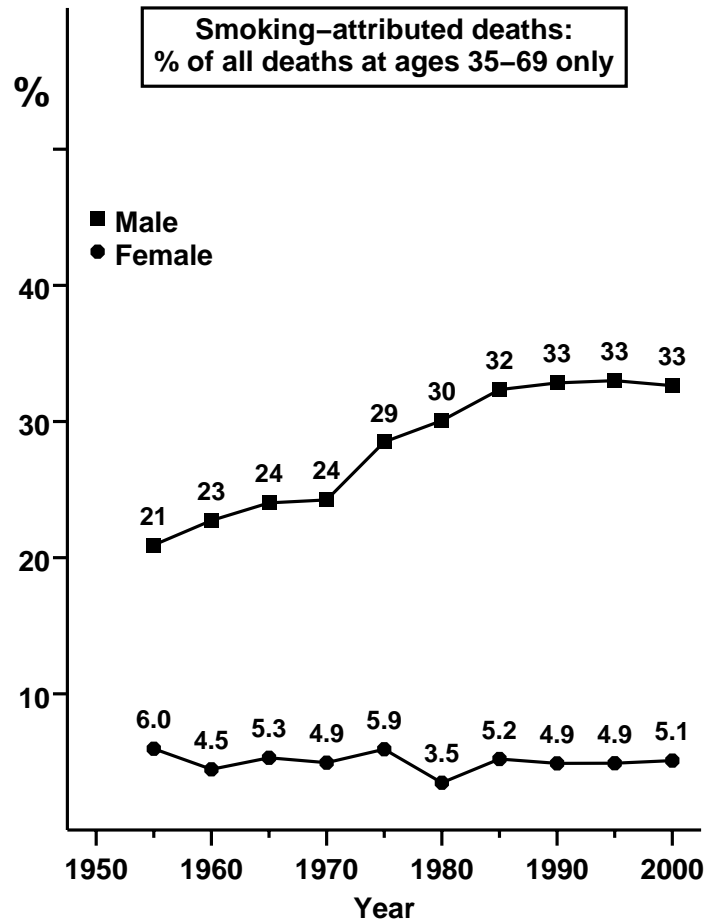
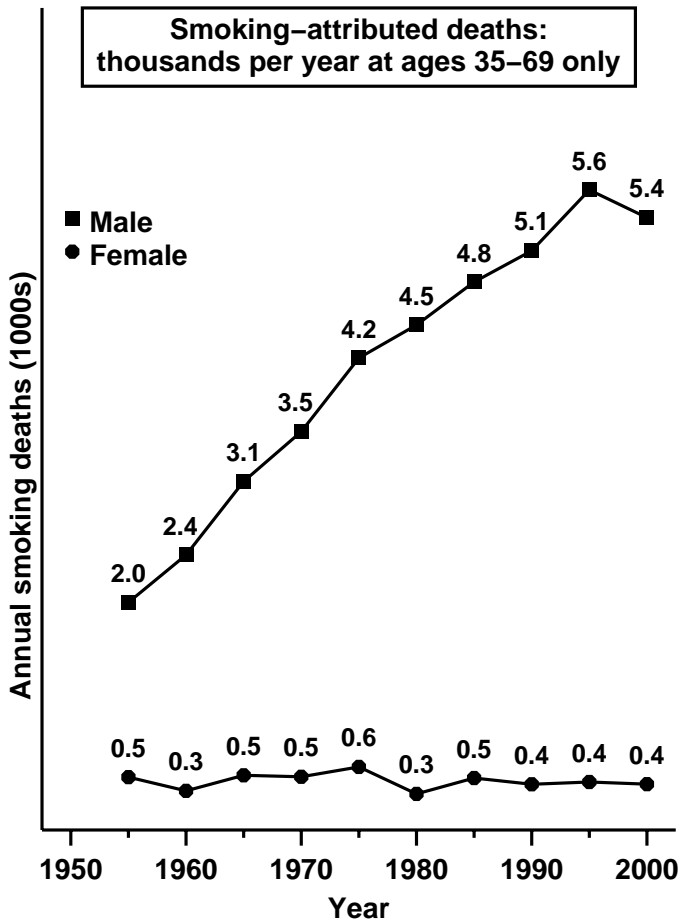
50-year total* (thousands), mid-1950 to mid-2000: 419 / 3952

1950-2000 by age & sex:

-/209	197/690 (29%)	174/1150 (15%)	371/2048	-/146	24/437 (5%)	24/1321 (2%)	48/1903
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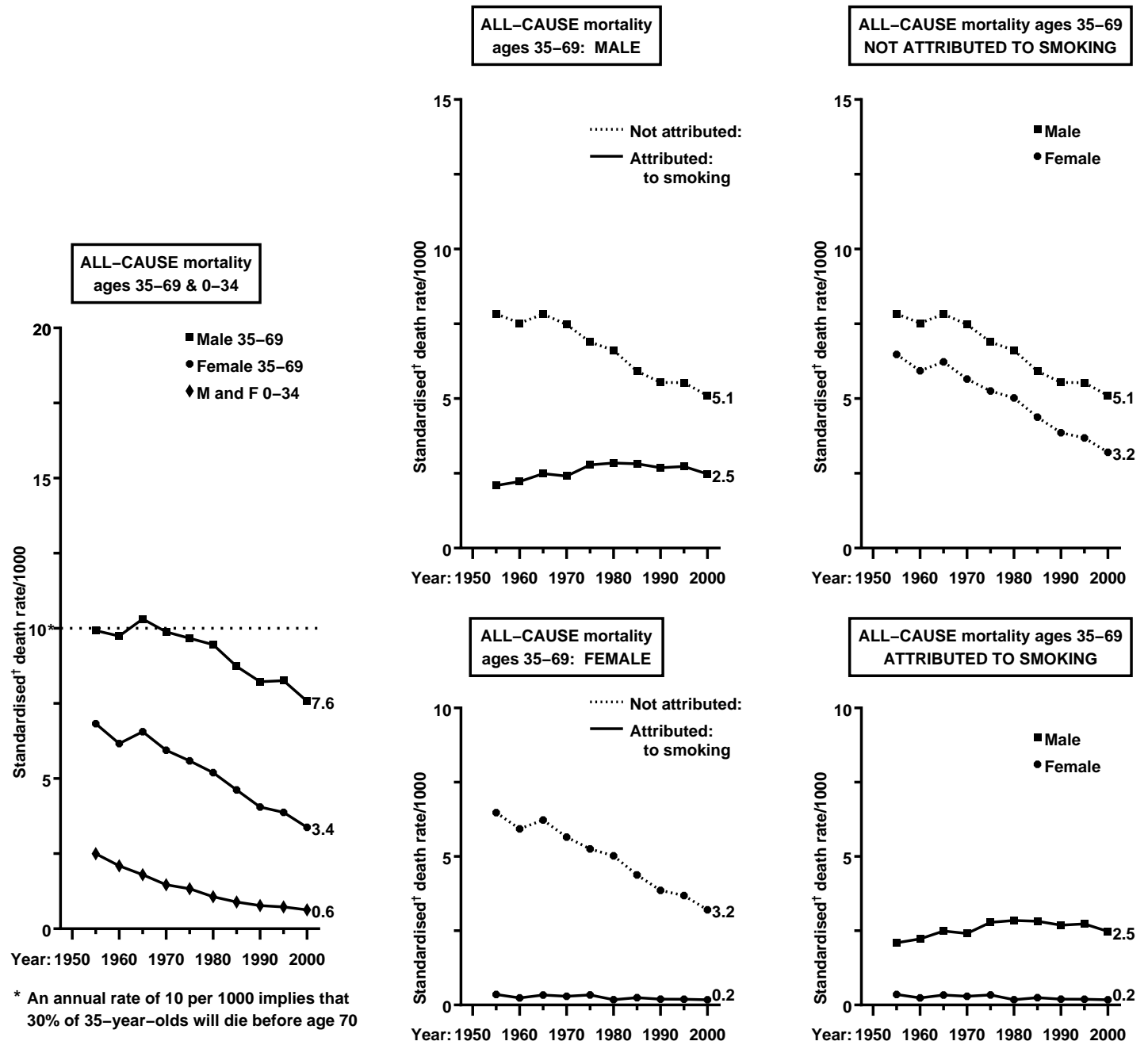
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: GREECE



GREECE: 1955-2000

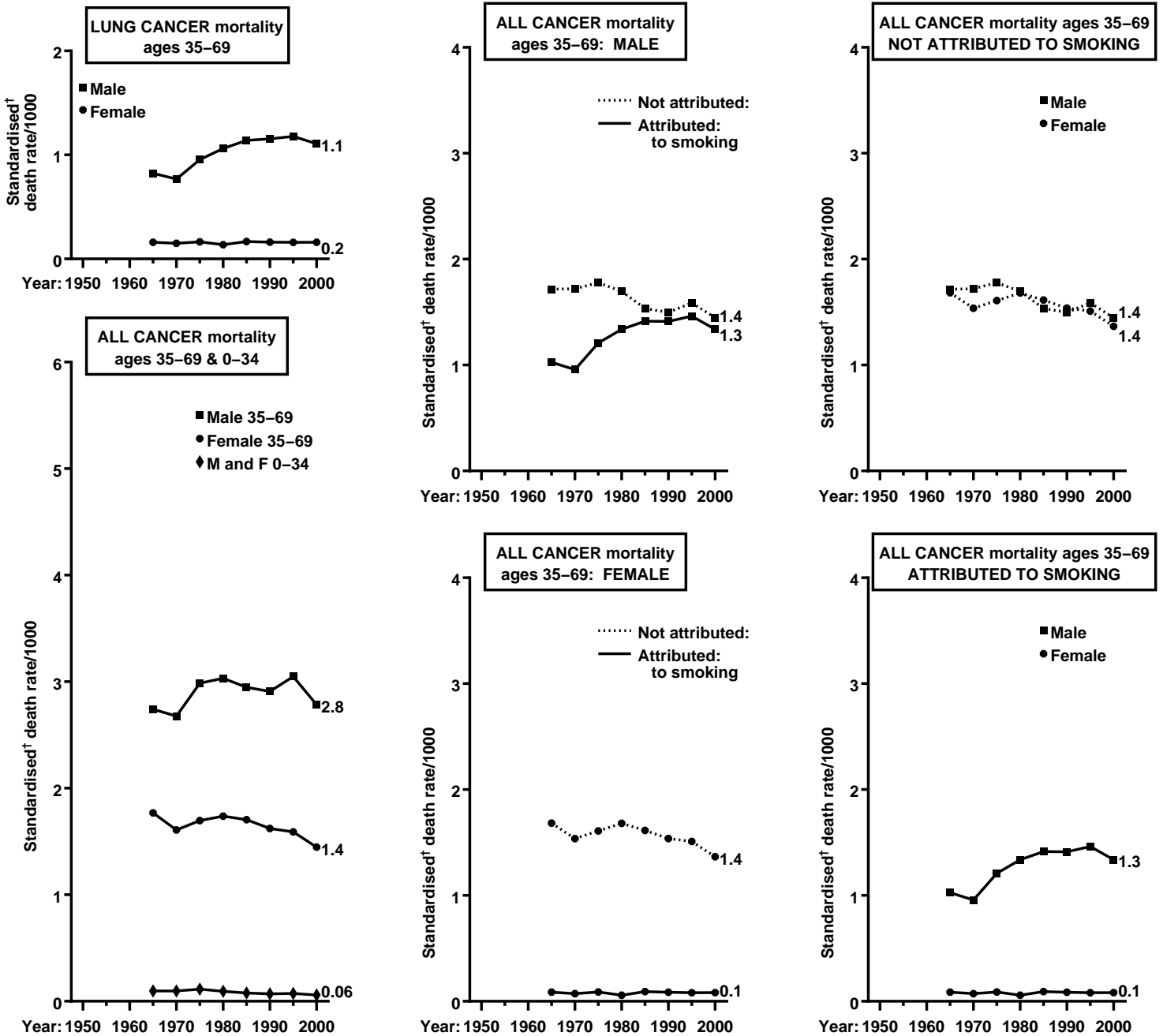
Trends in ALL-CAUSE mortality attributed and not attributed to smoking



Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	2.64	2.09	7.83	3.78	47.6	-	2.35	0.35	6.47	0.00	41.2	-	2.35	0.35	6.47
1960	-	2.28	2.22	7.52	4.56	47.4	-	1.90	0.24	5.93	0.06	40.5	-	1.90	0.24	5.93
1965	-	2.03	2.49	7.82	6.99	51.4	-	1.56	0.33	6.22	0.23	46.5	-	1.56	0.33	6.22
1970	-	1.74	2.40	7.47	8.66	47.6	-	1.18	0.29	5.65	0.53	44.4	-	1.18	0.29	5.65
1975	-	1.59	2.78	6.89	10.9	45.8	-	1.07	0.34	5.25	1.32	42.5	-	1.07	0.34	5.25
1980	-	1.30	2.84	6.61	10.2	43.1	-	0.82	0.17	5.02	0.76	40.0	-	0.82	0.17	5.02
1985	-	1.16	2.82	5.91	12.0	45.6	-	0.62	0.24	4.37	0.98	39.2	-	0.62	0.24	4.37
1990	-	0.97	2.68	5.54	10.9	41.2	-	0.57	0.19	3.86	1.21	34.5	-	0.57	0.19	3.86
1995	-	0.97	2.73	5.53	9.93	37.1	-	0.47	0.19	3.68	0.99	31.2	-	0.47	0.19	3.68
2000	-	0.87	2.47	5.10	9.36	34.4	-	0.38	0.17	3.20	1.06	27.0	-	0.38	0.17	3.20

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

Trends in ALL CANCER mortality attributed and not attributed to smoking



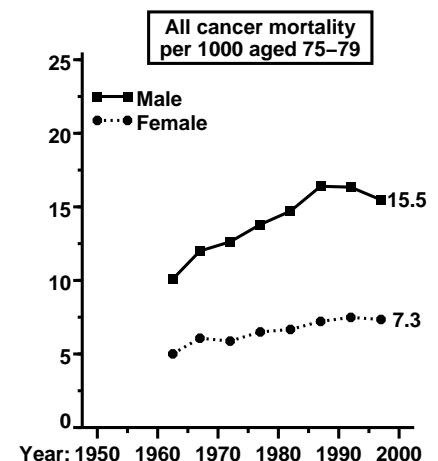
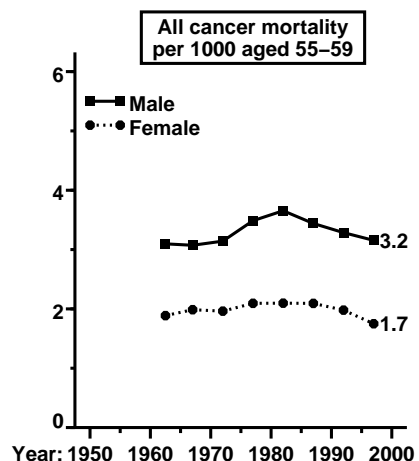
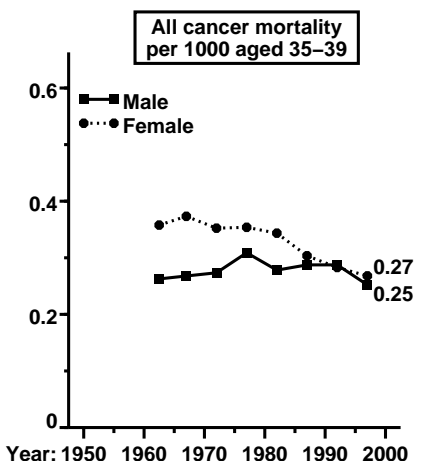
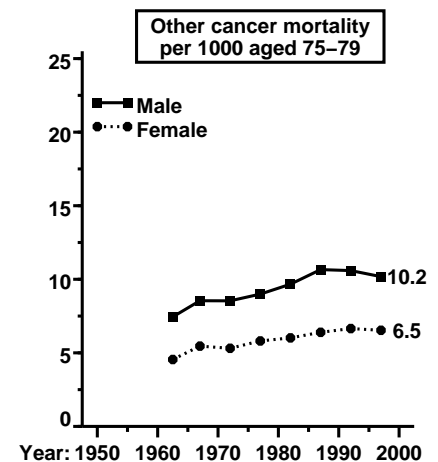
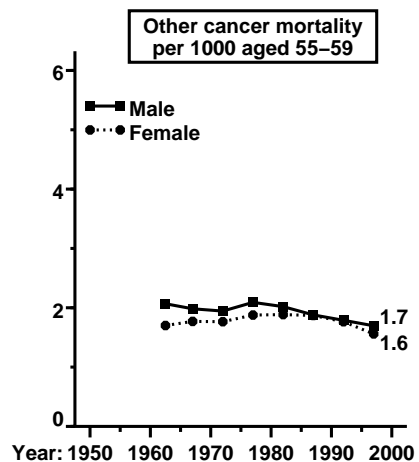
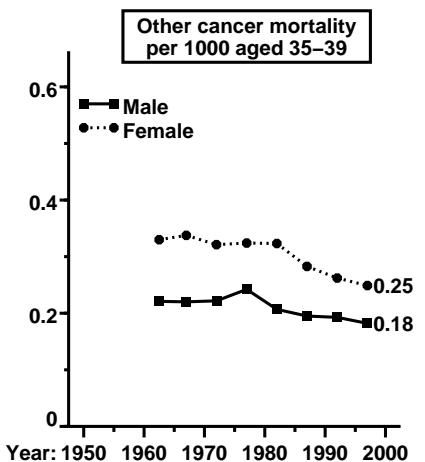
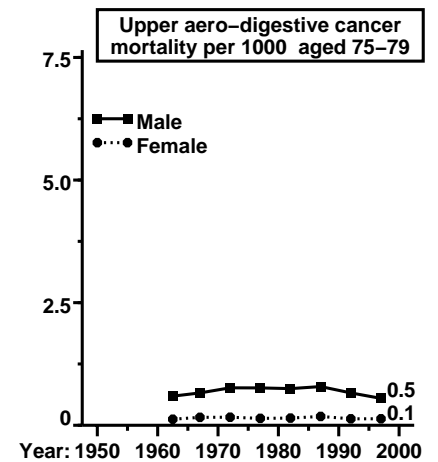
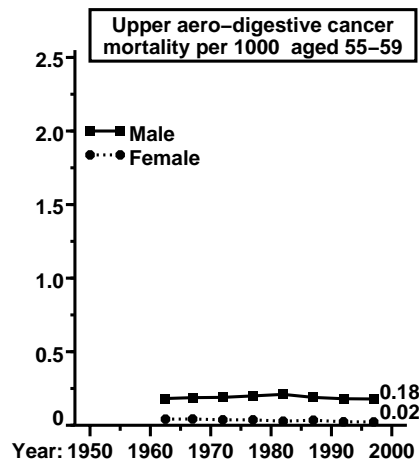
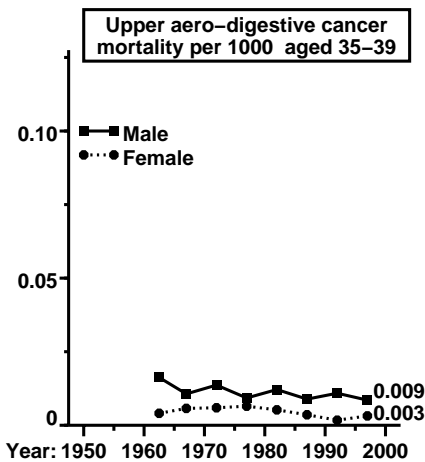
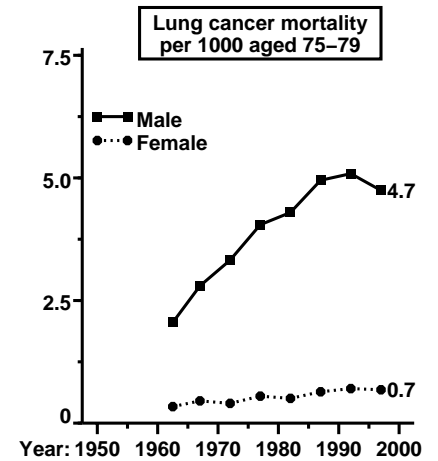
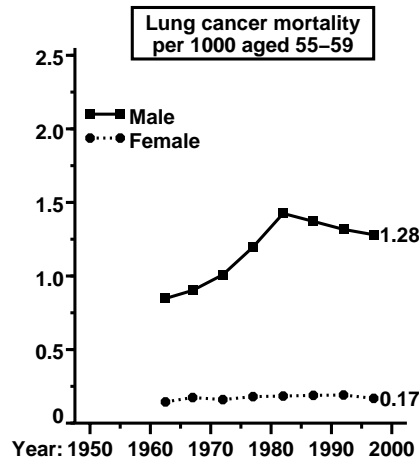
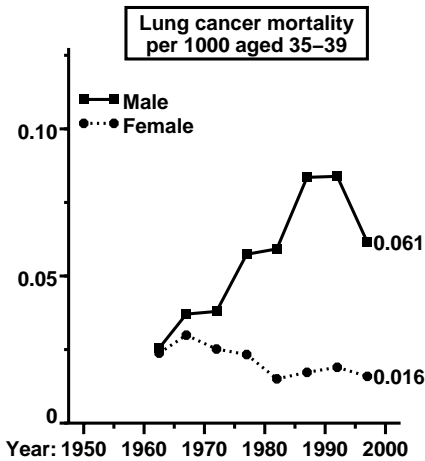
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)									
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955		
1960		
1965	-	0.11	1.03	1.71	2.79	7.55	-	0.09	0.09	1.68	0.04	5.01	-	0.09	0.07	1.54	0.08	4.70
1970	-	0.10	0.96	1.72	3.21	7.63	-	0.10	0.09	1.61	0.22	5.35	-	0.10	0.09	1.61	0.22	5.35
1975	-	0.13	1.21	1.78	4.26	7.94	-	0.10	0.09	1.61	0.22	5.35	-	0.10	0.09	1.61	0.22	5.35
1980	-	0.10	1.34	1.69	4.60	7.91	-	0.08	0.06	1.68	0.17	5.89	-	0.08	0.06	1.68	0.17	5.89
1985	-	0.08	1.41	1.53	5.74	8.55	-	0.07	0.09	1.61	0.25	6.05	-	0.07	0.09	1.61	0.25	6.05
1990	-	0.07	1.41	1.50	5.82	8.48	-	0.07	0.08	1.54	0.39	5.86	-	0.07	0.08	1.54	0.39	5.86
1995	-	0.08	1.46	1.59	5.46	8.26	-	0.06	0.08	1.51	0.34	6.07	-	0.06	0.08	1.51	0.34	6.07
2000	-	0.06	1.34	1.45	5.19	8.27	-	0.05	0.08	1.36	0.39	5.82	-	0.05	0.08	1.36	0.39	5.82

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

GREECE: 1960-2000

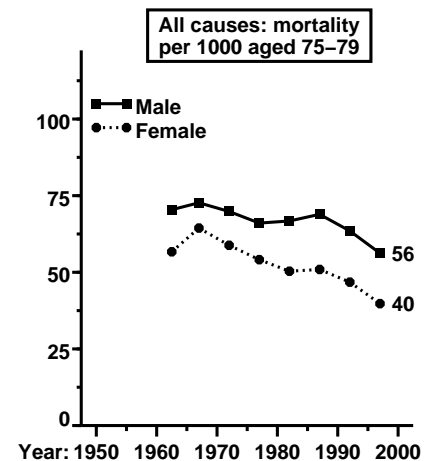
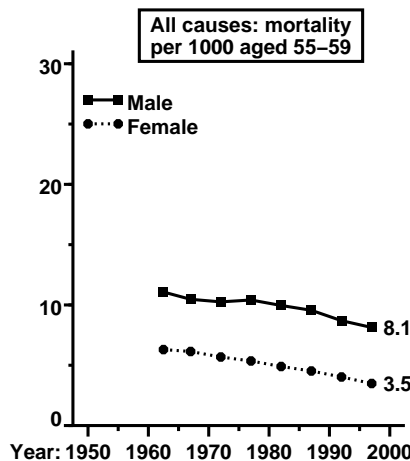
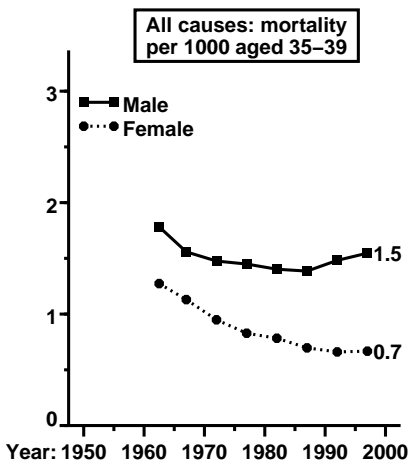
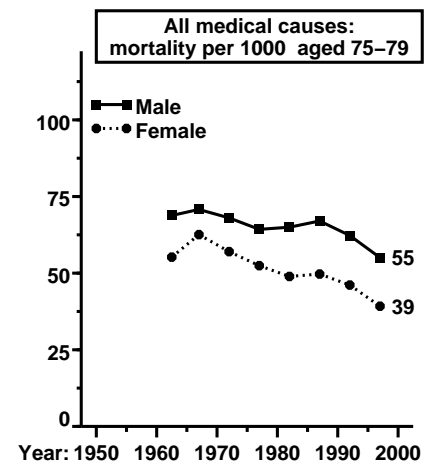
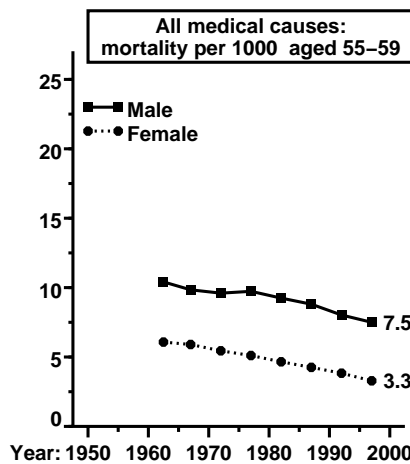
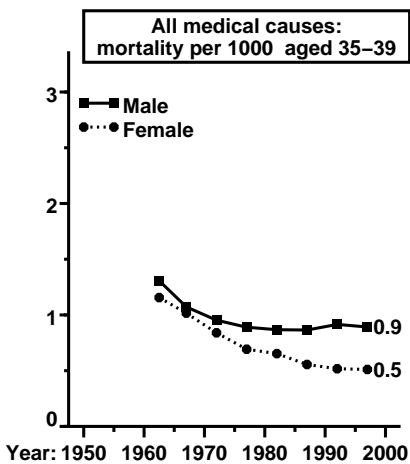
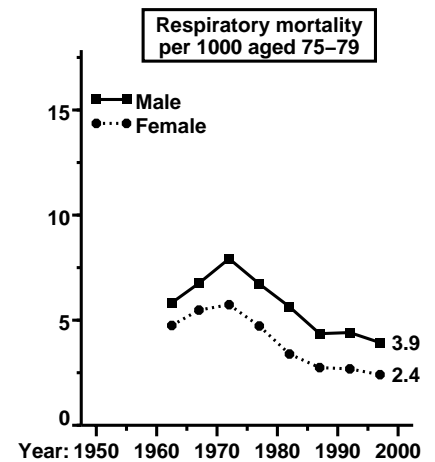
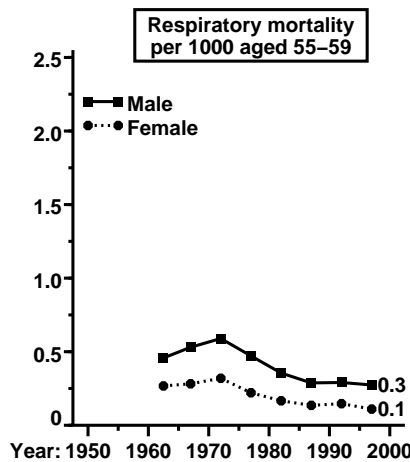
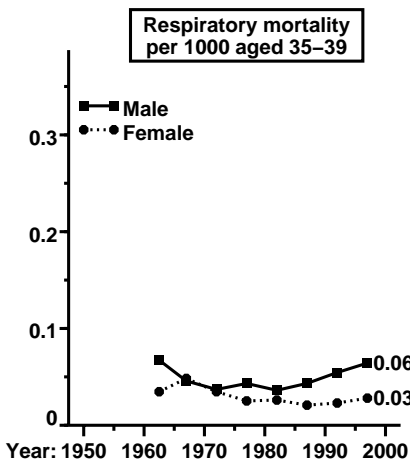
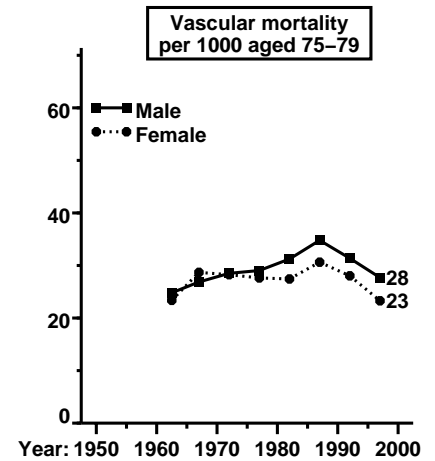
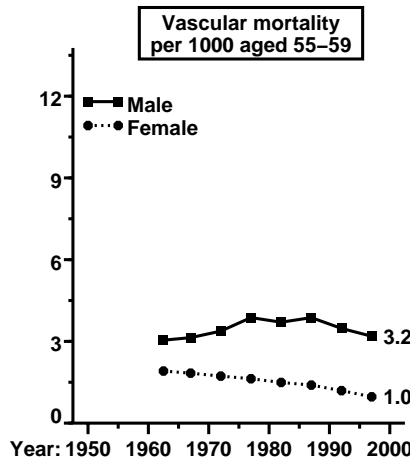
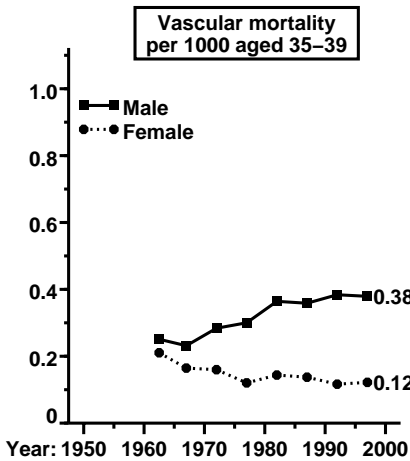
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1960–64,.....,1995–99; year 2000 on pages 212–213

1960-2000: GREECE

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1960-64,.....,1995-99; year 2000 on pages 212-213

HUNGARY: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	70475	2489	34648	1505.7	106.9	1940.8	231.1	18.5	24.5	58.9	94.3	117.6	203.6
	F	65126	1159	17472	842.3	56.3	799.3	195.5	13.9	18.0	27.9	34.3	33.7	70.8
Tuberculosis	M	280	9	180	5.9	0.4	9.1	-	-	-	-	0.2	0.2	2.0
	F	111	3	47	1.6	0.1	2.1	-	-	-	-	-	0.8	-
HIV	M	11	4	7	0.2	0.2	0.3	-	-	-	-	-	-	1.2
	F	4	2	2	0.1	0.1	0.1	-	-	0.3	-	0.2	-	-
Other infective and parasitic	M	125	18	55	2.7	0.8	3.1	2.4	0.3	0.6	0.3	-	1.2	0.9
	F	128	14	36	1.9	0.7	1.6	2.9	0.7	0.3	0.6	0.5	-	-
ALL CANCER	M	18732	208	10646	393.8	8.6	607.4	6.3	4.3	4.1	11.2	5.4	11.5	17.3
	F	14548	159	6558	202.0	6.8	296.5	4.1	3.8	4.7	3.8	6.9	7.3	16.7
Mouth and pharynx cancer	M	1413	5	1225	29.5	0.2	61.7	-	-	0.3	-	-	-	1.2
	F	275	1	189	4.3	0.0	8.0	-	-	-	-	-	-	0.3
Oesophagus cancer	M	588	1	468	12.4	0.0	24.9	-	-	-	-	-	-	0.3
	F	134	-	82	2.0	-	3.6	-	-	-	-	-	-	-
Stomach cancer	M	1256	3	591	26.4	0.1	34.7	-	-	-	-	-	0.2	0.6
	F	911	3	300	11.8	0.1	13.6	-	-	-	-	-	0.3	0.6
Colorectal cancer	M	2514	8	1103	53.3	0.3	66.3	-	-	-	-	-	1.2	0.9
	F	2372	11	811	30.9	0.4	37.6	-	-	-	-	1.2	0.5	1.2
Liver cancer	M	546	3	269	11.3	0.1	15.4	-	0.3	-	-	-	-	0.6
	F	351	1	128	4.6	0.0	5.8	-	-	-	0.3	-	-	-
Pancreas cancer	M	789	3	446	16.5	0.1	25.6	-	-	-	-	0.2	0.2	0.3
	F	757	1	302	10.1	0.0	14.1	-	-	-	-	-	-	0.3
Larynx cancer	M	536	1	404	11.2	0.0	21.7	-	-	-	-	-	-	0.3
	F	50	-	39	0.8	-	1.7	-	-	-	-	-	-	-
Lung cancer	M	5727	5	3783	119.4	0.2	218.6	-	-	-	-	-	0.2	1.2
	F	2097	10	1236	31.1	0.4	55.1	-	-	-	0.3	0.7	1.0	0.6
Malignant melanoma	M	170	10	104	3.6	0.4	5.9	0.4	-	-	-	0.2	0.7	1.4
	F	144	5	66	2.1	0.2	2.9	-	-	-	-	0.2	0.8	0.3
Female breast cancer	M	2316	8	1284	33.8	0.3	57.3	-	-	-	-	-	0.3	2.1
Cervix cancer	F	481	12	299	7.5	0.5	12.7	-	-	-	-	0.2	0.5	2.7
Other uterine cancer	F	496	2	174	6.4	0.1	8.2	-	-	-	-	0.2	-	0.3
Ovarian cancer	F	656	5	346	9.3	0.2	15.7	-	-	-	-	0.5	-	0.9
Prostate cancer	M	1399	1	326	30.4	0.0	21.5	-	-	-	0.3	-	-	-
Bladder cancer	M	600	-	236	12.9	-	14.5	-	-	-	-	-	-	-
	F	215	1	64	2.8	0.0	3.0	-	-	-	-	-	-	0.3
Other and ill-defined cancer sites	M	2181	105	1210	45.8	4.4	68.6	3.2	2.3	2.5	7.0	2.8	4.7	8.1
	F	2357	59	867	31.6	2.6	40.3	3.3	2.4	2.7	1.3	2.0	2.4	4.5
Hodgkin's disease	M	57	11	33	1.2	0.4	1.6	-	-	-	0.3	0.5	1.7	0.3
	F	49	7	20	0.7	0.3	0.9	-	-	0.3	1.0	0.5	-	0.3
Myeloma and non- Hodgkin lymphomas	M	432	15	219	9.1	0.6	12.7	1.2	0.7	0.3	0.3	0.5	1.0	0.6
	F	463	10	178	6.2	0.4	8.1	0.4	0.3	-	0.3	0.5	0.5	0.9
Leukaemia	M	524	37	229	11.1	1.6	13.6	1.6	1.0	1.0	3.3	1.2	1.2	1.7
	F	424	23	173	6.0	1.0	8.0	0.4	1.0	1.7	0.6	0.7	1.0	1.5
Diabetes	M	873	11	387	18.3	0.4	23.0	-	-	-	-	-	0.5	2.6
	F	1407	9	397	17.7	0.4	19.1	0.4	-	-	0.6	-	0.3	1.5
ALL VASCULAR DISEASE	M	31827	211	12469	688.8	8.4	735.0	1.6	2.0	1.3	4.2	5.7	12.0	32.1
	F	37046	76	6137	445.5	3.2	289.6	1.2	-	1.0	1.6	2.2	4.2	12.0
Rheumatic heart disease and fever	M	139	3	64	2.9	0.1	3.9	-	-	-	-	0.2	0.5	-
	F	262	2	78	3.3	0.1	3.7	-	-	0.3	-	-	0.3	-
Hypertensive disease	M	1758	7	625	38.1	0.3	38.2	-	0.3	-	0.3	-	0.5	0.9
	F	2971	1	436	35.4	0.0	20.8	-	-	-	-	-	0.3	-
Ischaemic heart disease	M	14656	72	6301	315.2	2.8	368.3	-	-	-	0.6	1.2	4.5	13.6
	F	15143	19	2661	182.5	0.8	126.1	-	-	-	-	-	0.8	4.8
Pulmonary embolism and other venous	M	575	9	265	12.4	0.3	15.7	-	-	-	0.3	0.2	0.7	1.2
	F	824	10	180	10.2	0.4	8.3	0.4	-	-	0.6	0.2	0.5	1.2
Cerebrovascular disease	M	8559	43	3072	184.3	1.7	184.6	-	1.0	0.6	0.9	1.4	2.2	5.8
	F	10380	18	1806	124.9	0.8	85.1	0.4	-	0.3	0.6	0.7	0.5	2.7
Other vascular disease	M	6140	77	2142	135.8	3.1	124.2	1.6	0.7	0.6	2.1	2.6	3.5	10.7
	F	7466	26	976	89.2	1.1	45.6	0.4	-	0.3	0.3	1.2	1.8	3.3
Chronic obstructive pulmonary disease	M	2329	15	905	50.0	0.6	54.7	1.2	-	-	0.6	0.9	-	1.7
	F	1515	12	418	19.2	0.5	19.5	0.4	-	-	1.0	0.5	0.5	1.2
Other respiratory disease	M	690	62	279	15.2	2.9	15.2	12.6	0.3	0.3	0.6	2.1	1.7	2.9
	F	634	36	124	8.5	1.9	5.7	9.9	0.3	0.7	1.0	0.5	0.3	0.9
Peptic ulcer	M	517	7	286	11.1	0.3	16.1	-	-	-	-	-	-	2.0
	F	425	1	107	5.4	0.0	4.9	-	-	-	-	-	-	0.3
Liver cirrhosis	M	4830	102	4159	99.9	4.1	210.4	0.4	-	0.3	0.6	0.2	4.0	23.4
	F	1794	22	1472	30.1	0.9	63.5	-	-	0.3	-	0.2	-	6.0
Renal disease	M	322	9	115	7.1	0.4	6.7	1.2	-	0.3	-	-	0.5	0.9
	F	353	7	98	4.6	0.3	4.6	0.8	-	-	0.3	0.7	0.3	-
Pregnancy, birth congenital and perinatal causes	F	10	9	1	0.2	0.4	0.0	-	-	-	-	-	0.8	1.8
	M	501	470	30	14.9	25.7	1.3	167.6	2.0	1.3	1.8	2.8	3.0	1.4
	F	401	374	27	12.5	21.6	1.1	141.7	0.3	1.3	2.9	1.5	1.6	1.8
Ill-defined causes	M	70	16	22	1.7	0.9	1.0	5.9	-	-	0.3	-	-	-
	F	89	19	7	1.4	1.1	0.3	6.6	-	-	0.6	-	-	0.3
Other medical causes	M	3217	168	1625	68.8	7.3	87.6	13.4	3.3	3.2	4.2	5.4	6.0	15.3
	F	3271	138	1003	44.2	6.4	45.3	14.9	4.9	3.0	4.1	4.7	3.7	9.9
ALL NON- MEDICAL CAUSES	M	6151	1179	3483	127.4	45.9	170.1	18.5	6.3	13.1	34.9	71.4	76.9	99.9
	F	3390	278	1038	47.6	11.8	45.4	12.4	3.8	6.3	11.4	16.3	14.1	18.5
Motor vehicle traffic accidents	M	886	349	436	17.7	13.3	21.1	2.8	1.7	3.5	13.0	27.1	23.5	21.4
	F	313	89	155	5.4	3.7	6.7	1.2	1.7	2.0	5.7	6.4	3.9	4.8
Fire	M	128	9	87	2.7	0.4	4.3	-	-	-	0.9	-	0.5	1.2
	F	52	2	29	0.8	0.1	1.3	0.4	-	-	-	-	0.3	-
Suicide	M	2463	442	1593	50.3	16.9	75.9	-	-	2.5	10.9	22.6	31.7	50.5
	F	806	79	451	12.6	3.2	19.4	-	-	1.0	3.2	4.7	5.0	8.4
Homicide	M	148	34	101	3.1	1.4	4.6	3.2	0.7	0.3	0.3	1.6	1.7	2.3
	F	110	31	55	2.0	1.3	2.3	2.5	0.3	0.3	0.3	2.0	2.1	1.8
POPULATION: (1000s; UN, 2002 revision)			M=male		4777.2	2370.6	2058.4	253.6	302.5	313.8	329.6	424.3	400.5	346.3
			F=female		5235.6	2268.2	2326.9	241.4	288.3	300.0	315.6	405.5	382.8	334.6

2000: HUNGARY

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
366.0	722.4	1110.3	1559.8	2194.3	3205.5	4427.4	6172.8	8937.3	17746.3	M	ALL CAUSES	001-999/A00-Y89
159.6	277.2	442.1	596.3	844.5	1269.4	2005.7	3305.6	5830.6	14967.3	F		
4.0	5.0	9.4	9.7	11.3	13.8	10.8	21.9	23.0	39.8	M	Tuberculosis	010-018, 137/
2.3	2.2	0.7	1.4	1.9	3.8	2.5	5.8	8.1	16.9	F		A15-A19, B90
0.3	0.6	0.3	0.6	0.4	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
0.3	-	0.2	-	-	-	-	-	-	-	F		
0.3	1.7	1.8	2.2	2.2	7.8	5.6	13.1	14.1	19.9	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.7	1.1	0.5	0.9	2.5	2.7	3.2	5.8	10.0	24.5	F		
44.7	141.2	316.4	505.9	735.1	1076.3	1432.0	1802.1	2300.4	3181.9	M	ALL CANCER	140-208/C00-C97
49.3	107.0	188.0	257.8	353.6	470.7	648.7	852.8	1183.6	1827.4	F		
7.6	30.0	63.7	82.2	98.1	86.9	63.6	45.7	54.8	63.7	M	Mouth and pharynx cancer	140-149/C00-C14
0.7	4.9	9.9	9.4	14.6	8.2	8.6	8.5	10.9	23.3	F		
1.7	7.8	16.1	31.5	42.4	42.8	31.8	35.7	28.3	39.8	M	Oesophagus cancer	150/C15
-	0.3	4.3	3.7	5.9	5.1	5.7	5.4	7.1	13.4	F		
0.7	7.0	15.8	24.9	38.1	55.2	101.6	145.9	193.5	278.9	M	Stomach cancer	151/C16
2.3	5.5	9.6	11.9	12.4	16.4	36.8	53.4	90.6	162.7	F		
2.6	9.2	18.6	42.7	79.4	124.6	186.8	299.9	398.4	628.2	M	Colorectal cancer	153, 154/C18-C21
3.0	9.8	13.7	26.7	43.8	67.4	98.9	151.0	227.2	397.1	F		
1.0	5.6	6.6	13.4	16.1	25.7	39.5	69.5	90.1	81.0	M	Liver cancer	155.0/C22 excl C221
0.7	1.4	3.9	4.8	5.6	9.2	15.4	22.5	33.7	54.2	F		
2.3	6.7	13.8	18.1	30.0	43.7	64.6	95.2	83.0	124.8	M	Pancreas cancer	157/C25
2.0	2.7	5.5	8.2	16.5	26.7	36.8	51.5	70.7	100.3	F		
0.7	9.2	15.5	24.3	28.9	38.2	34.9	36.9	40.6	34.5	M	Larynx cancer	161/C32
-	1.4	1.7	2.6	1.6	2.4	2.1	1.2	2.4	1.7	F		
11.6	37.3	103.2	184.4	251.4	417.0	525.4	561.1	573.3	523.2	M	Lung cancer	162/C33, C34
9.0	17.8	40.7	58.5	72.6	89.0	98.2	119.7	123.8	163.8	F		
2.0	2.0	3.3	2.8	6.6	11.0	13.9	13.8	15.0	22.6	M	Malignant melanoma	172/C43
1.7	2.5	1.7	3.1	2.5	4.1	5.0	9.7	8.5	17.5	F		
10.7	24.4	43.2	56.5	68.9	88.0	109.2	115.4	145.2	244.9	F	Female breast cancer	174/C50
8.3	14.2	16.4	11.6	11.5	9.6	17.1	19.8	27.5	35.6	F	Cervix cancer	180/C53
1.0	1.6	2.7	4.3	9.6	15.1	22.8	35.2	55.5	65.3	F	Other uterine cancer	179, 182/C54, C55
1.7	3.3	10.8	13.1	16.1	30.1	35.0	41.1	46.0	59.5	F	Ovarian cancer	183/C56, C570-C574
-	-	1.0	5.6	19.4	35.4	89.3	154.0	312.7	626.8	M	Prostate cancer	185/C61
0.3	1.1	5.4	6.5	15.4	24.8	47.7	60.7	106.0	195.2	M	Bladder cancer	188/C67
-	0.8	0.7	2.0	4.7	5.5	7.1	12.0	18.5	46.6	F		
9.6	16.8	41.0	50.5	83.8	118.2	160.1	183.5	272.1	351.9	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
4.0	11.2	14.0	28.4	47.2	67.4	109.6	148.3	223.0	337.0	F		
1.0	2.0	1.3	1.6	1.8	1.8	2.1	1.9	2.7	9.3	M	Hodgkin's disease	201/C81
0.3	0.3	1.0	1.1	0.9	0.7	1.8	2.7	4.3	3.5	F		
1.7	2.5	5.9	10.0	13.2	24.4	31.3	42.6	58.3	85.0	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.3	1.1	5.3	7.4	8.4	13.0	20.3	34.5	49.8	47.2	F		
2.0	3.9	5.4	7.5	10.6	26.7	39.5	55.7	71.6	116.9	M	Leukaemia	204-208/C91-C95
2.7	3.8	2.9	4.5	10.9	12.7	18.2	20.9	38.9	53.6	F		
1.3	5.9	7.4	13.7	26.7	43.2	62.6	109.6	144.0	181.9	M	Diabetes	250/E10-E14
2.7	1.1	2.9	8.0	19.9	32.5	66.4	103.4	150.4	243.1	F		
74.8	172.0	291.5	489.4	754.5	1315.9	2047.2	3161.6	4917.8	11329.3	M	ALL VASCULAR DISEASE	390-459/I00-I99
33.0	58.3	90.9	157.3	257.4	487.2	943.2	1853.2	3648.0	10704.4	F		
0.3	1.7	0.3	1.6	4.8	6.0	12.8	13.8	23.0	31.9	M	Rheumatic heart disease and fever	390-398/I00-I09
0.3	0.3	1.2	0.3	6.5	7.5	9.6	16.3	29.9	44.9	F		
2.3	5.3	10.7	21.8	34.8	73.1	119.5	174.7	306.5	664.0	M	Hypertensive disease	401-405/I10-I15
1.0	2.5	4.8	10.2	19.2	39.0	68.5	150.3	292.7	891.5	F		
35.7	89.1	155.7	261.7	392.6	656.1	987.2	1481.5	2145.8	4632.1	M	Ischaemic heart disease	410-414/I20-I25
15.7	23.5	38.3	64.2	100.6	206.4	434.1	793.6	1488.6	4242.6	F		
1.7	3.1	5.4	10.9	16.5	27.1	45.7	51.3	75.1	178.0	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.3	2.5	2.7	7.7	8.1	14.4	22.8	46.9	95.4	181.9	F		
13.2	33.6	68.0	108.1	177.8	328.7	562.9	931.1	1469.1	3046.5	M	Cerebrovascular disease	430-438/I60-I69
9.0	17.8	25.8	49.7	75.4	148.6	269.5	557.3	1104.4	2792.4	F		
21.5	39.2	51.5	85.4	128.1	224.8	319.1	509.1	898.4	2776.9	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
6.7	11.8	18.1	25.3	47.5	71.2	138.5	288.9	637.1	2551.0	F		
3.3	10.6	19.1	30.2	50.5	102.1	166.8	232.3	409.9	762.3	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
2.3	4.1	7.2	11.9	20.5	33.2	57.5	72.8	149.0	339.9	F		
5.0	7.6	10.2	12.1	17.6	22.1	31.8	52.0	85.7	224.4	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.3	2.5	2.9	3.7	4.3	12.7	11.4	24.8	56.0	170.3	F		
1.3	6.4	9.2	12.5	17.2	32.2	33.9	45.7	52.1	122.2	M	Peptic ulcer	531-533/K25-K27
1.7	1.6	2.4	3.7	5.9	7.9	11.1	22.1	38.9	103.8	F		
72.1	160.2	197.7	225.2	271.1	286.4	259.6	190.4	168.7	98.3	M	Liver cirrhosis	571/K70, K74
20.7	42.7	68.7	65.6	84.4	90.7	71.8	60.8	43.2	30.3	F		
1.3	1.7	3.3	3.4	8.0	12.9	15.9	30.7	43.3	132.8	M	Renal disease	580-590/N00-N19
1.3	1.9	1.0	2.6	4.7	7.9	12.9	22.5	33.2	70.0	F		
0.3	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
2.3	2.0	2.3	0.9	1.5	-	-	-	0.9	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.3	1.4	2.7	0.9	1.2	-	-	-	-	-	F		
0.3	-	2.5	0.6	2.2	0.5	1.0	3.1	2.7	31.9	M	Ill-defined causes	780-799/R00-R99
-	0.3	0.5	-	0.6	-	0.7	1.2	0.5	34.4	F		
26.1	46.5	60.9	75.4	105.4	127.4	171.4	244.8	380.7	799.5	M	Other medical causes	Rest of 001-799/ rest of A00-R99
12.3	23.0	27.5	40.6	43.8	68.5	101.4	161.5	279.4	655.4	F		
128.7	161.1	178.3	177.9	190.6	165.1	188.8	265.5	394.0	822.0	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
29.0	30.1	46.0	42.0	43.8	51.7	75.0	118.9	230.6	746.9	F		
19.2	19.9	20.4	23.1	28.2	15.2	22.1	21.3	38.0	31.9	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
4.7	6.3	6.0	6.8	7.5	8.6	7.1	10.5	9.0	13.4	F		
2.0	4.2	3.8	5.9	4.4	4.1	5.6	6.3	10.6	13.3	M	Fire	E890-E899/X00-X09
1.7	0.3	0.2	1.4	3.1	1.0	1.4	1.9	3.8	4.7	F		
66.2	79.3	91.0	77.9	82.3	67.6	67.2	97.7	112.2	192.6	M	Suicide	E950-E959/X60-X84
12.3	14.0	25.3	17.9	15.8	21.6	28.9	29.8	38.4	68.8	F		
5.6	4.5	7.1	4.7	5.9	1.8	2.6	1.9	4.4	6.6	M	Homicide	E960-E969/ X85-X99, Y00-Y09
5.7	2.2	2.9	1.7	1.9	1.4	0.7	3.1	2.8	5.8	F		
302.2	357.0	392.5	321.0	273.3	217.5	194.9	159.7	113.2	75.3	M	POPULATION	
300.1	365.5	414.8	352.2	322.1	292.1	280.1	258.2	210.8	171.5	F	(1000s; UN, 2002 revision)	

HUNGARY: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	3191	238	9	15	214	19	70	246	221	1008	1389
35-69	Sm.	16334	6685	3746	1592	1347	1007	175	6718	-	1749	-
	Total	40044 (41%)	10789 (62%)	3893 (96%)	1974 (81%)	4922 (27%)	1158 (87%)	368 (48%)	14777 (45%)	5223	3484 (50%)	4245
70+	Sm.	7509	2765	1689	283	793	1426	60	2938	-	320	-
	Total	34109 (22%)	7498 (37%)	1826 (92%)	439 (64%)	5233 (15%)	1865 (76%)	411 (15%)	19940 (15%)	671	2091 (15%)	1633
Any age	Sm.	23843	9450	5435	1875	2140	2433	235	9656	-	2069	-
	Total	77344 (31%)	18525 (51%)	5728 (95%)	2428 (77%)	10369 (21%)	3042 (80%)	849 (28%)	34963 (28%)	6115	6583 (31%)	7267
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2489	208	5	7	196	15	62	211	102	712	1179
35-69	Sm.	14462	6613	3639	1674	1300	789	134	5626	-	1300	-
	Total	34648 (42%)	10646 (62%)	3783 (96%)	2097 (80%)	4766 (27%)	905 (87%)	279 (48%)	12469 (45%)	4159	2707 (48%)	3483
70+	Sm.	7192	2907	1793	279	835	1077	49	2784	-	375	-
	Total	33338 (22%)	7878 (37%)	1939 (92%)	433 (64%)	5506 (15%)	1409 (76%)	349 (14%)	19147 (15%)	569	2497 (15%)	1489
Any age	Sm.	21654	9520	5432	1953	2135	1866	183	8410	-	1675	-
	Total	70475 (31%)	18732 (51%)	5727 (95%)	2537 (77%)	10468 (20%)	2329 (80%)	690 (27%)	31827 (26%)	4830	5916 (28%)	6151

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	4886.7	2430.2	2123.3	367.7	411.9	344.4	301.8	250.0	237.3	210.2	166.4	76.0	90.8
2000	4777.2	2370.6	2058.4	302.2	357.0	392.5	321.0	273.3	217.5	194.9	159.7	113.2	75.3
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	77344	3191	40044	1979	3551	4427	5563	6418	8062	10044	11043	6957	16109
2000	70475	2489	34648	1106	2579	4358	5007	5997	6972	8629	9858	10117	13363
Lung cancer													
1995	5728	9	3893	50	206	351	580	763	896	1047	905	438	483
2000	5727	5	3783	35	133	405	592	687	907	1024	896	649	394
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	1638.8*	136.9*	2181.7*	538.2	862.1	1285.4	1843.3	2567.2	3397.4	4778.3	6636.4	9153.9	17741.2
2000	1505.7*	106.9*	1940.8*	366.0	722.4	1110.3	1559.8	2194.3	3205.5	4427.4	6172.8	8937.3	17746.3
All cancer													
1995	391.7*	9.9*	606.9*	59.6	154.4	297.3	517.9	758.4	1025.7	1435.3	1799.9	2271.1	3058.4
2000	393.8*	8.6*	607.4*	44.7	141.2	316.4	505.9	735.1	1076.3	1432.0	1802.1	2300.4	3181.9
Lung cancer													
1995	120.8*	0.4*	219.8*	13.6	50.0	101.9	192.2	305.2	377.6	498.1	543.9	576.3	531.9
2000	119.4*	0.2*	218.6*	11.6	37.3	103.2	184.4	251.4	417.0	525.4	561.1	573.3	523.2
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	51.5*	0.7*	103.0*	13.1	47.1	86.5	139.2	152.4	143.7	138.9	125.0	131.6	144.3
2000	53.0*	0.3*	108.3*	9.9	47.1	95.3	138.0	169.4	167.8	130.3	118.3	123.7	138.1
Other cancer													
1995	219.4*	8.9*	284.2*	32.9	57.3	108.9	186.5	300.8	504.4	798.3	1131.0	1563.2	2382.2
2000	221.4*	8.1*	280.5*	23.2	56.9	118.0	183.5	314.3	491.5	776.3	1122.7	1603.4	2520.6
Chronic obstructive pulmonary disease (COPD)													
1995	64.9*	0.8*	67.9*	4.4	13.1	21.2	36.1	79.2	118.8	202.7	337.1	489.5	1026.4
2000	50.0*	0.6*	54.7*	3.3	10.6	19.1	30.2	50.5	102.1	166.8	232.3	409.9	762.3
Other respiratory disease													
1995	18.1*	3.1*	19.8*	6.0	11.4	12.5	12.9	18.4	31.2	46.1	70.3	96.1	243.4
2000	15.2*	2.9*	15.2*	5.0	7.6	10.2	12.1	17.6	22.1	31.8	52.0	85.7	224.4
Vascular disease													
1995	744.8*	10.7*	842.7*	119.4	208.5	355.7	566.3	936.4	1476.6	2236.0	3484.4	5097.4	11308.4
2000	688.8*	8.4*	735.0*	74.8	172.0	291.5	489.4	754.5	1315.9	2047.2	3161.6	4917.8	11329.3
Liver cirrhosis													
1995	127.5*	10.0*	258.7*	121.3	184.8	256.4	312.8	346.4	311.8	277.4	236.2	207.9	132.2
2000	99.9*	4.1*	210.4*	72.1	160.2	197.7	225.2	271.1	286.4	259.6	190.4	168.7	98.3
Other medical causes													
1995	141.8*	45.9*	180.8*	77.0	106.8	133.0	177.6	205.2	234.3	332.1	423.1	585.5	1037.4
2000	130.6*	36.3*	148.1*	37.4	69.7	97.1	119.0	174.9	237.7	301.2	469.0	660.8	1328.0
All non-medical causes													
1995	149.9*	56.4*	204.8*	150.7	183.1	209.3	219.7	223.2	198.9	248.8	285.5	406.6	935.0
2000	127.4*	45.9*	170.1*	128.7	161.1	178.3	177.9	190.6	165.1	188.8	265.5	394.0	822.0

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: HUNGARY

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1478	184	10	3	171	15	47	102	69	721	340
35-69	Sm.	3554	1154	841	120	193	318	37	1610	-	435	-
	Total	19998 (18%)	6669 (17%)	1042 (81%)	220 (55%)	5407 (4%)	467 (68%)	150 (25%)	7551 (21%)	1944	1895 (23%)	1322
70+	Sm.	3509	749	556	48	145	790	27	1744	-	199	-
	Total	46611 (8%)	7563 (10%)	771 (72%)	120 (40%)	6672 (2%)	1372 (58%)	505 (5%)	31181 (6%)	368	3144 (6%)	2478
Any age	Sm.	7063	1903	1397	168	338	1108	64	3354	-	634	-
	Total	68087 (10%)	14416 (13%)	1823 (77%)	343 (49%)	12250 (3%)	1854 (60%)	702 (9%)	38834 (9%)	2381	5760 (11%)	4140
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1159	159	10	1	148	12	36	76	22	576	278
35-69	Sm.	3775	1447	1038	187	222	303	33	1526	-	466	-
	Total	17472 (22%)	6558 (22%)	1236 (84%)	310 (60%)	5012 (4%)	418 (72%)	124 (27%)	6137 (25%)	1472	1725 (27%)	1038
70+	Sm.	3641	853	629	62	162	658	28	1850	-	252	-
	Total	46495 (8%)	7831 (11%)	851 (74%)	148 (42%)	6832 (2%)	1085 (61%)	474 (6%)	30833 (6%)	300	3898 (6%)	2074
Any age	Sm.	7416	2300	1667	249	384	961	61	3376	-	718	-
	Total	65126 (11%)	14548 (16%)	2097 (79%)	459 (54%)	11992 (3%)	1515 (63%)	634 (10%)	37046 (9%)	1794	6199 (12%)	3390

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	5327.3	2329.9	2395.5	369.3	422.1	361.3	334.3	308.3	304.4	295.8	265.8	135.0	201.1
2000	5235.6	2268.2	2326.9	300.1	365.5	414.8	352.2	322.1	292.1	280.1	258.2	210.8	171.5
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	68087	1478	19998	747	1333	1701	2143	3016	4507	6551	9661	7816	29134
2000	65126	1159	17472	479	1013	1834	2100	2720	3708	5618	8535	12291	25669
Lung cancer													
1995	1823	10	1042	29	74	128	138	180	247	246	315	150	306
2000	2097	10	1236	27	65	169	206	234	260	275	309	261	281
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	885.1*	67.4*	900.5*	202.3	315.8	470.8	641.0	978.3	1480.6	2214.7	3634.7	5789.6	14487.3
2000	842.3*	56.3*	799.3*	159.6	277.2	442.1	596.3	844.5	1269.4	2005.7	3305.6	5830.6	14967.3
All cancer													
1995	203.3*	8.2*	298.9*	62.6	111.1	174.4	246.8	327.0	515.4	654.8	930.4	1138.5	1766.8
2000	202.0*	6.8*	296.5*	49.3	107.0	188.0	257.8	353.6	470.7	648.7	852.8	1183.6	1827.4
Lung cancer													
1995	27.1*	0.5*	46.4*	7.9	17.5	35.4	41.3	58.4	81.1	83.2	118.5	111.1	152.2
2000	31.1*	0.4*	55.1*	9.0	17.8	40.7	58.5	72.6	89.0	98.2	119.7	123.8	163.8
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	5.4*	0.1*	9.5*	2.4	7.3	8.6	9.6	14.3	13.8	10.5	14.7	22.2	25.4
2000	7.1*	0.0*	13.3*	0.7	6.6	15.9	15.6	22.0	15.7	16.4	15.1	20.4	38.5
Other cancer													
1995	170.8*	7.6*	243.0*	52.3	86.2	130.4	195.9	254.3	420.5	561.2	797.2	1005.2	1589.3
2000	163.8*	6.3*	228.1*	39.7	82.6	131.4	183.7	258.9	366.0	534.1	718.0	1039.4	1625.1
Chronic obstructive pulmonary disease (COPD)													
1995	23.0*	0.6*	21.5*	3.8	2.6	7.5	13.8	23.7	36.8	62.2	91.8	157.0	455.5
2000	19.2*	0.5*	19.5*	2.3	4.1	7.2	11.9	20.5	33.2	57.5	72.8	149.0	339.9
Other respiratory disease													
1995	9.3*	2.2*	6.6*	3.5	3.6	2.2	4.2	10.7	11.2	11.2	33.5	59.3	167.1
2000	8.5*	1.9*	5.7*	2.3	2.5	2.9	3.7	4.3	12.7	11.4	24.8	56.0	170.3
Vascular disease													
1995	466.0*	4.5*	347.7*	36.6	66.1	123.2	171.4	343.2	600.2	1093.3	2047.0	3683.7	10326.7
2000	445.5*	3.2*	289.6*	33.0	58.3	90.9	157.3	257.4	487.2	943.2	1853.2	3648.0	10704.4
Liver cirrhosis													
1995	40.9*	3.1*	83.4*	36.3	58.3	79.2	107.4	112.9	104.8	85.2	73.7	54.1	49.2
2000	30.1*	0.9*	63.5*	20.7	42.7	68.7	65.6	84.4	90.7	71.8	60.8	43.2	30.3
Other medical causes													
1995	85.3*	34.2*	85.3*	22.2	35.3	38.7	47.0	101.8	144.2	207.6	310.4	425.9	867.2
2000	89.5*	31.1*	79.1*	23.0	32.6	38.3	57.9	80.4	123.2	198.1	322.2	520.4	1148.1
All non-medical causes													
1995	57.2*	14.5*	57.1*	37.4	38.9	45.7	50.6	59.0	68.0	100.4	147.9	271.1	854.8
2000	47.6*	11.8*	45.4*	29.0	30.1	46.0	42.0	43.8	51.7	75.0	118.9	230.6	746.9

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

HUNGARY: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 2.5	– / 1.2	–
35–69	14 / 35	3.8 / 17	21 years
70+	7.2 / 33	3.6 / 46	8 years
All ages	22 / 70	7.4 / 65	16 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

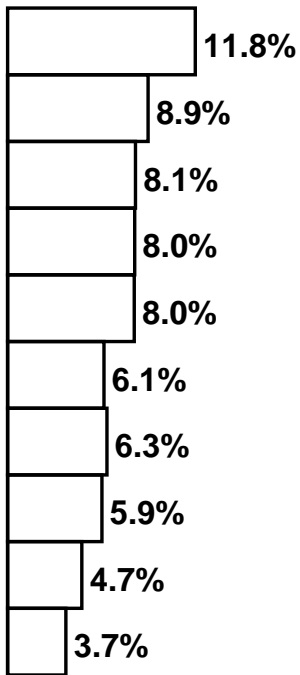
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	3.6/3.8	1.8/1.9	5.4/5.7	–/0.0	1.0/1.2	0.6/0.9	1.7/2.1
All Cancer	–/0.2	6.6/11 (62%)	2.9/7.9 (37%)	9.5/19	–/0.2	1.4/6.6 (22%)	0.9/7.8 (11%)	2.3/15
Vascular	–/0.2	5.6/12	2.8/19	8.4/32	–/0.1	1.5/6.1	1.9/31	3.4/37
Respiratory	–/0.1	0.9/1.2	1.1/1.8	2.0/3.0	–/0.0	0.3/0.5	0.7/1.6	1.0/2.1
All Other	–/2.0	1.3/10	0.4/4.6	1.7/17	–/0.9	0.5/4.2	0.3/6.3	0.7/11
All Causes	–/2.5	14/35 (42%)	7.2/33 (22%)	22/70	–/1.2	3.8/17 (22%)	3.6/46 (8%)	7.4/65

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	9.5 / 19 (51%)	2.3 / 15 (16%)	12 / 33 (36%)
All Causes	22 / 70 (31%)	7.4 / 65 (11%)	29 / 136 (21%)

1955-2000: HUNGARY

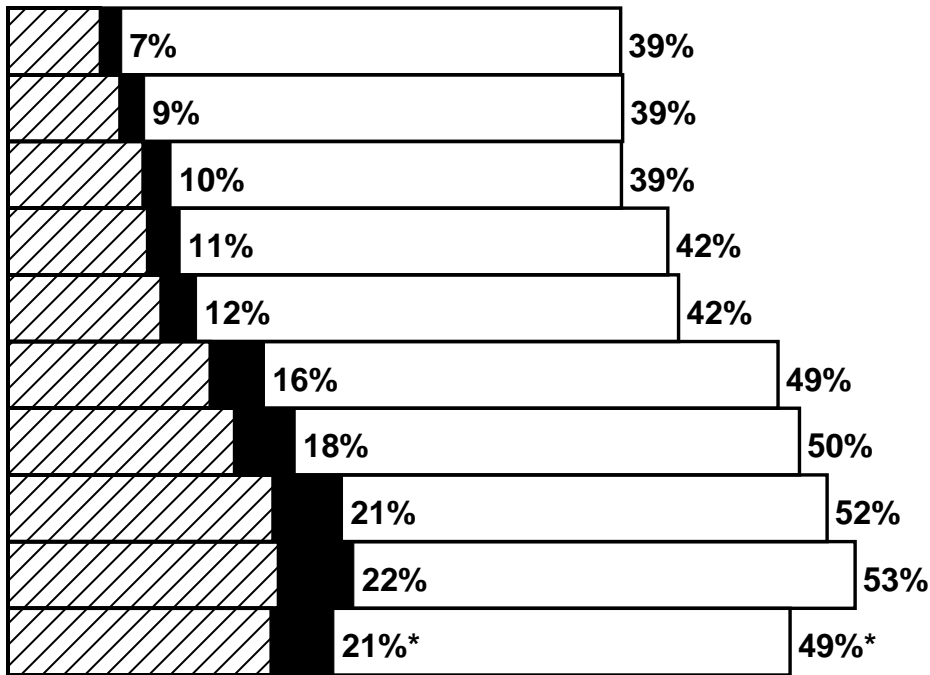
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

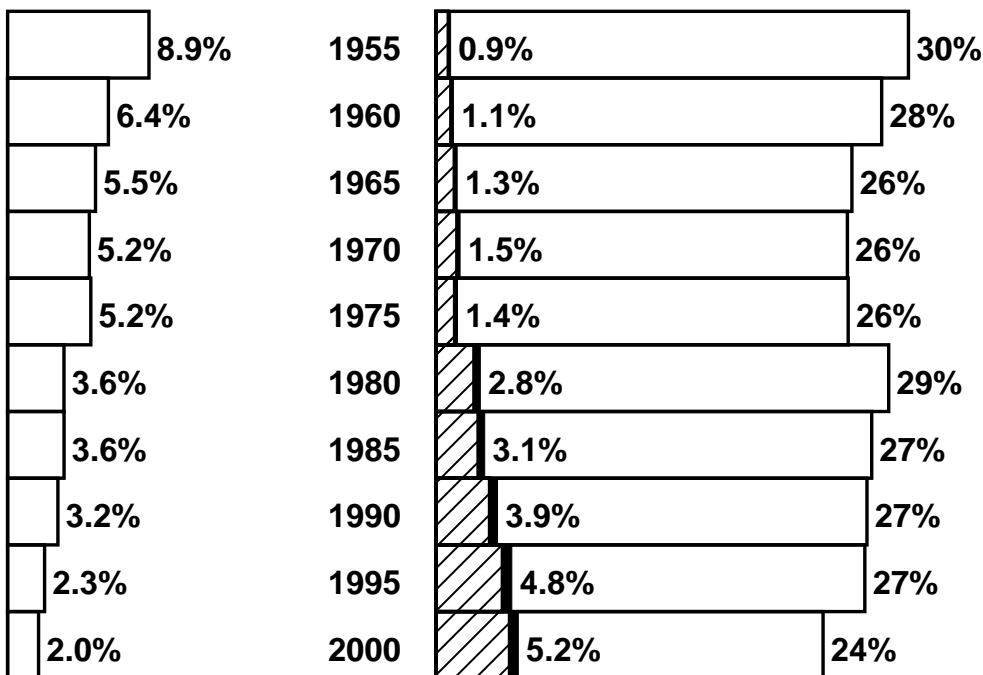
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 49 would die before age 70 (with 21 of these deaths attributed to smoking)

FEMALE



HUNGARY: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/11	3.9/20 (20%)	0.7/19 (4%)	4.6/50	-/8.2	0.6/17 (3%)	0.1/23 (0.6%)	0.7/48
1960	-/7.3	4.9/22 (23%)	1.6/23 (7%)	6.5/52	-/5.1	0.7/17 (4%)	0.5/27 (2%)	1.2/50
1965	-/5.8	6.3/24 (26%)	2.7/26 (11%)	9.1/55	-/3.8	0.9/17 (5%)	0.9/31 (3%)	1.8/53
1970	-/6.2	7.1/27 (26%)	4.1/29 (14%)	11/63	-/3.7	1.1/18 (6%)	1.1/36 (3%)	2.1/58
1975	-/6.7	8.0/29 (28%)	6.3/33 (19%)	14/68	-/4.1	1.0/19 (5%)	1.9/40 (5%)	2.8/63
1980	-/5.2	11/33 (34%)	8.3/38 (22%)	20/77	-/2.9	1.9/20 (10%)	2.4/46 (5%)	4.4/69
1985	-/4.8	13/34 (38%)	8.1/39 (21%)	21/78	-/2.5	2.1/19 (11%)	2.8/48 (6%)	4.9/70
1990	-/4.2	16/39 (41%)	6.5/34 (19%)	23/77	-/2.1	3.0/21 (14%)	3.1/46 (7%)	6.0/69
1995	-/3.2	16/40 (41%)	7.5/34 (22%)	24/77	-/1.5	3.6/20 (18%)	3.5/47 (8%)	7.1/68
2000	-/2.5	14/35 (42%)	7.2/33 (22%)	22/70	-/1.2	3.8/17 (22%)	3.6/46 (8%)	7.4/65

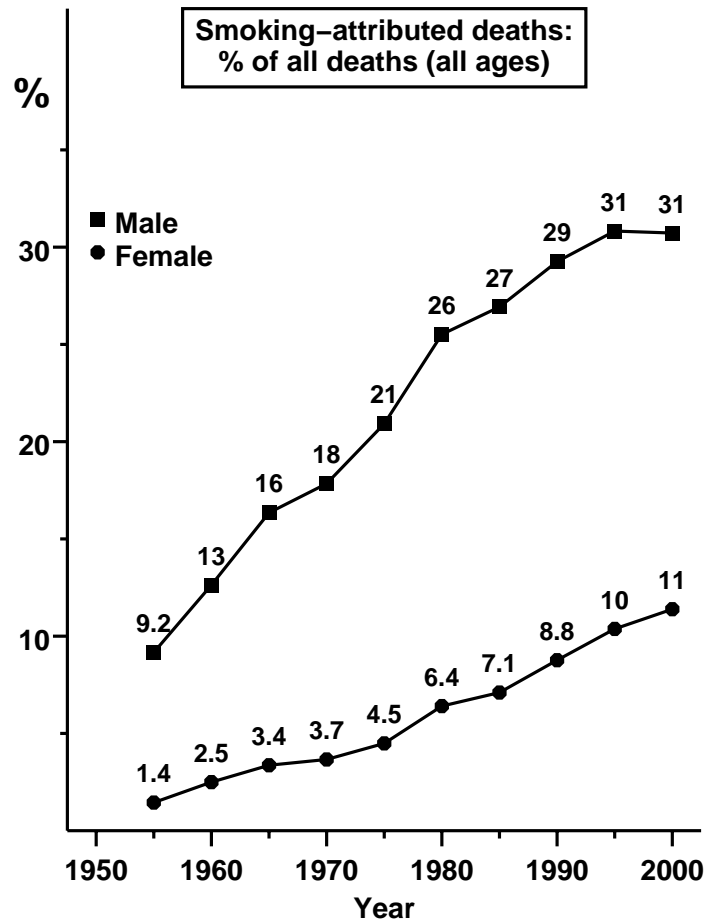
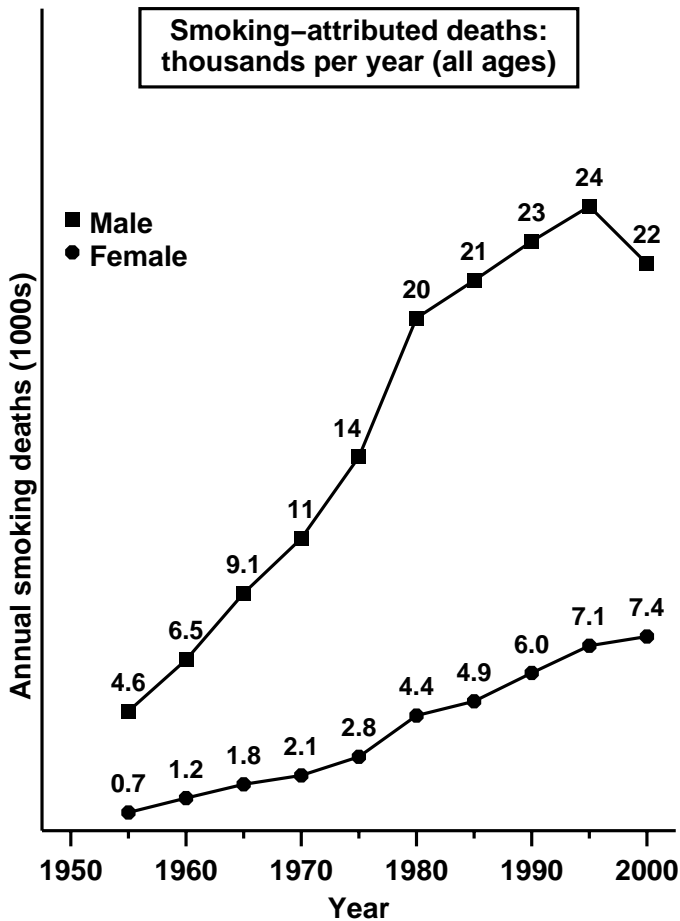
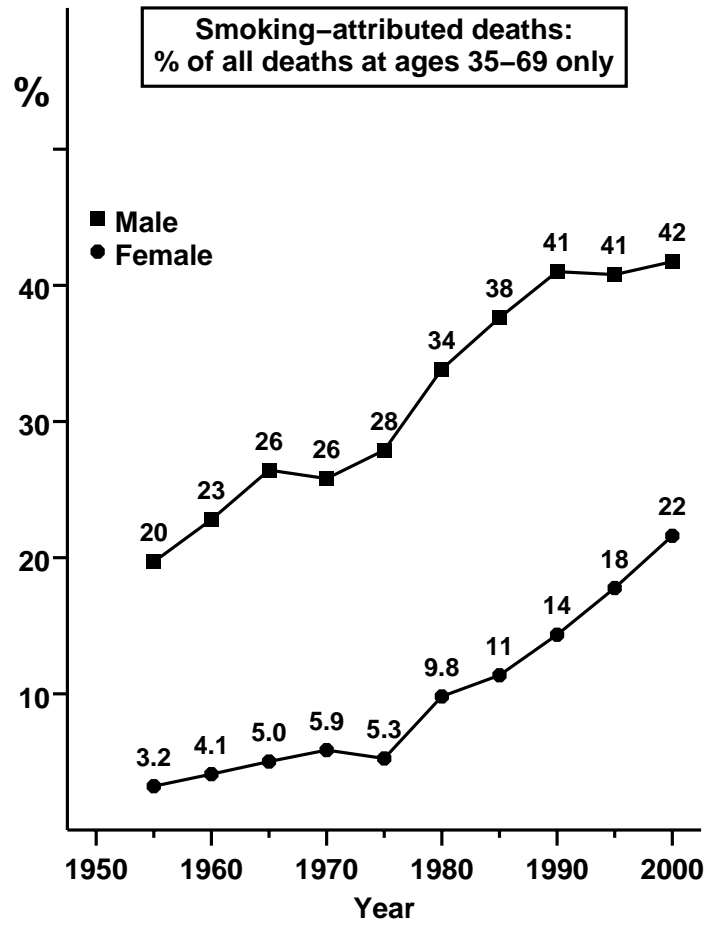
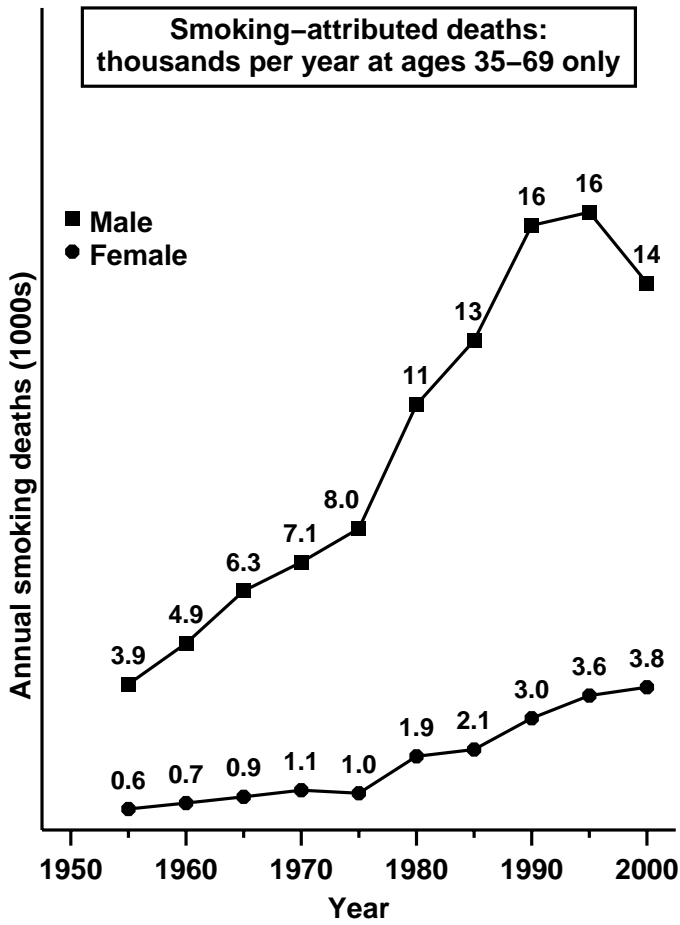
50-year total* (thousands), mid-1950 to mid-2000: 901 / 6301

1950-2000 by age & sex:

-/318	474/1465 (32%)	253/1505 (17%)	728/3289	-/201	81/919 (9%)	92/1892 (5%)	173/3012
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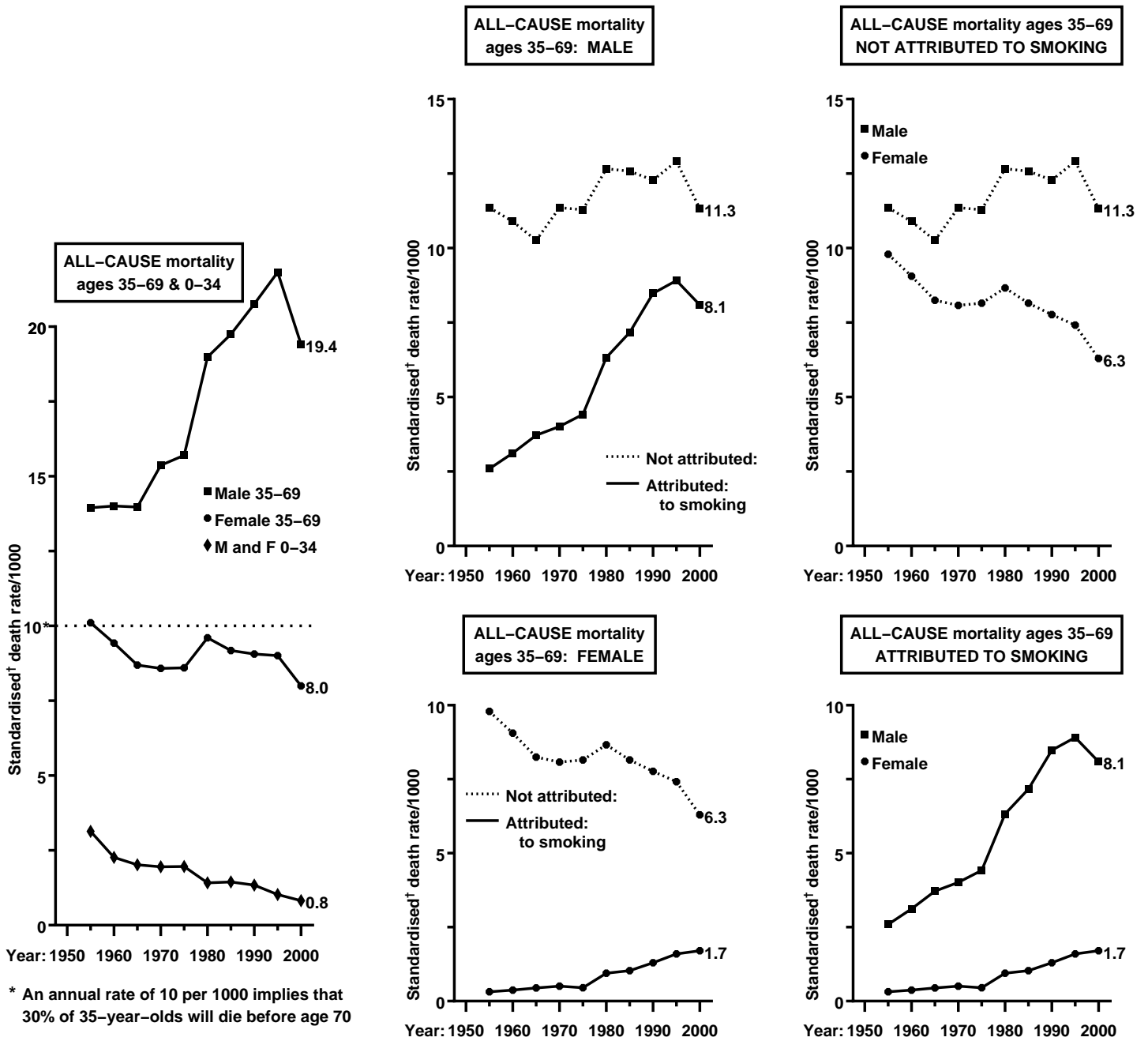
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: HUNGARY



HUNGARY: 1955-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



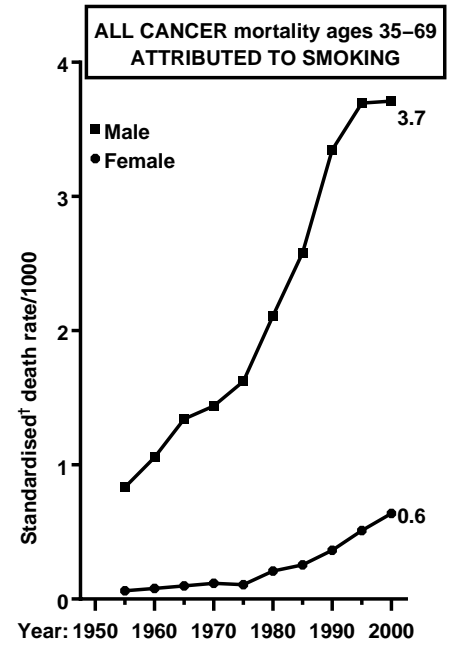
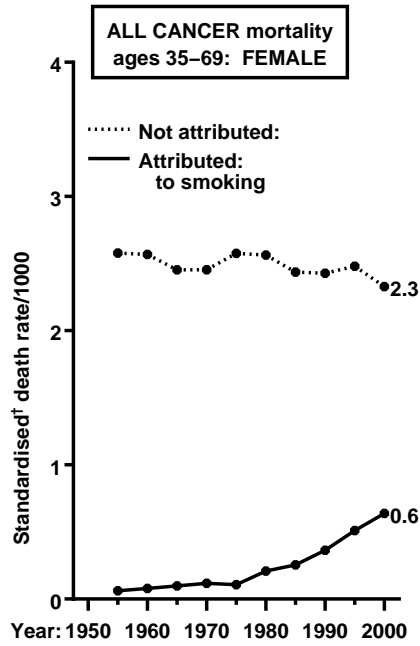
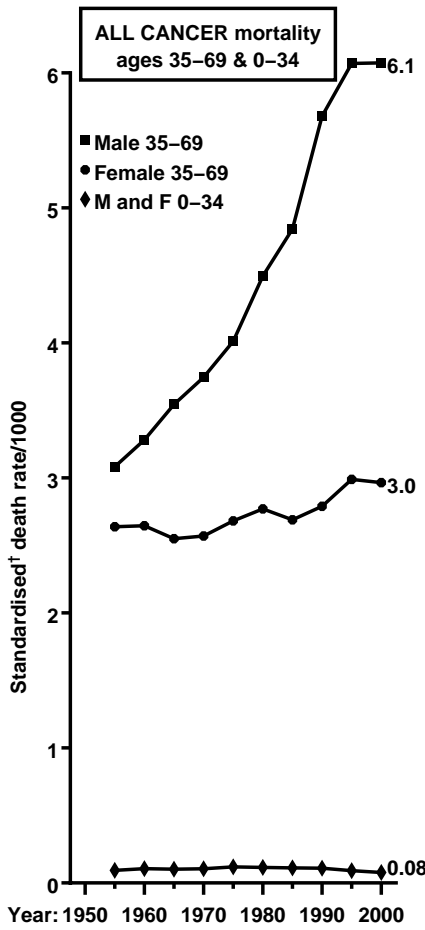
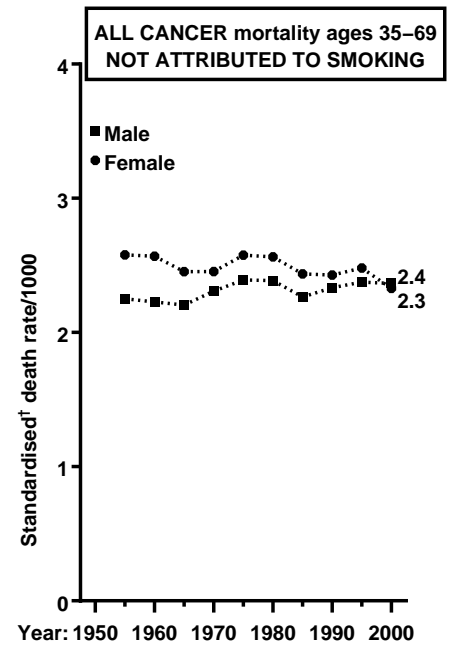
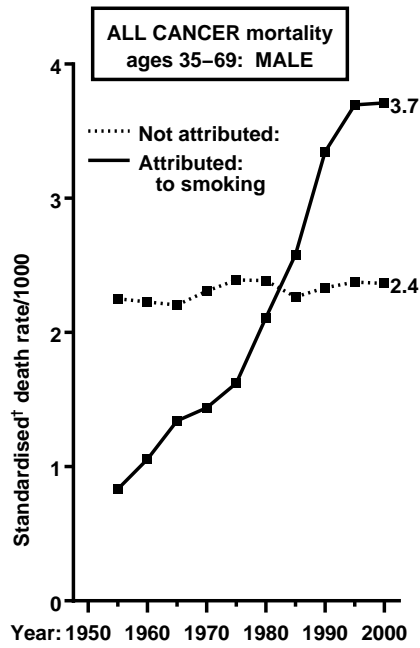
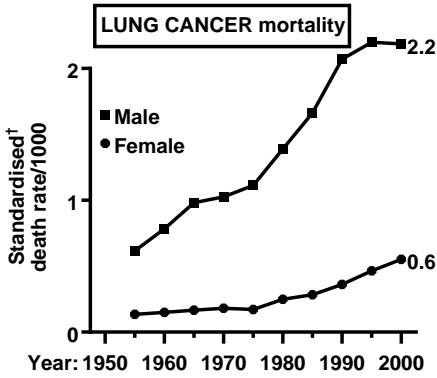
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	3.60	2.59	11.4	3.25	73.7	-	2.67	0.31	9.79	0.45	66.2	-	2.67	0.31	9.79
1960	-	2.65	3.12	10.9	6.53	75.7	-	1.88	0.37	9.05	1.48	66.2	-	1.88	0.37	9.05
1965	-	2.40	3.71	10.3	10.2	74.0	-	1.63	0.44	8.24	2.09	61.6	-	1.63	0.44	8.24
1970	-	2.39	4.01	11.4	13.2	71.3	-	1.51	0.50	8.08	2.02	59.8	-	1.51	0.50	8.08
1975	-	2.38	4.42	11.3	18.0	68.8	-	1.54	0.45	8.15	2.96	56.4	-	1.54	0.45	8.15
1980	-	1.79	6.32	12.7	20.5	68.9	-	1.03	0.94	8.66	3.25	53.8	-	1.03	0.94	8.66
1985	-	1.85	7.16	12.6	19.7	69.1	-	1.03	1.03	8.15	3.45	52.3	-	1.03	1.03	8.15
1990	-	1.75	8.48	12.3	17.8	64.1	-	0.92	1.29	7.76	4.25	47.7	-	0.92	1.29	7.76
1995	-	1.37	8.91	12.9	19.1	59.9	-	0.67	1.59	7.41	4.23	42.9	-	0.67	1.59	7.41
2000	-	1.07	8.09	11.3	18.1	57.4	-	0.56	1.70	6.29	4.30	41.4	-	0.56	1.70	6.29

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000: HUNGARY

Trends in ALL CANCER mortality attributed and not attributed to smoking



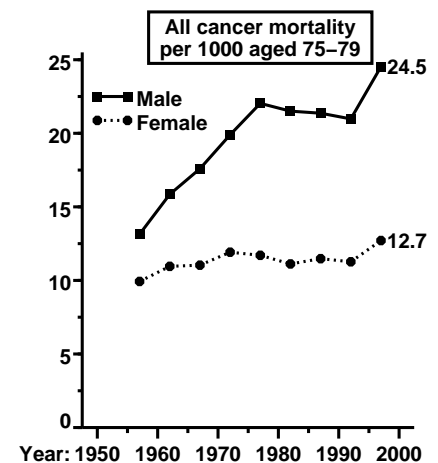
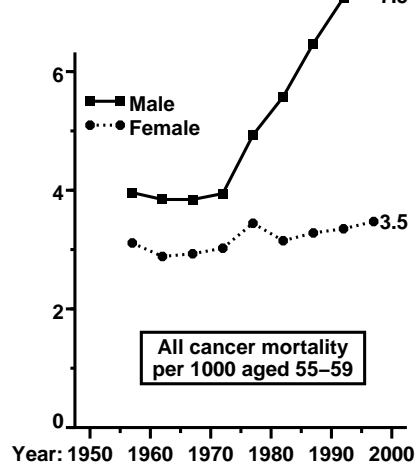
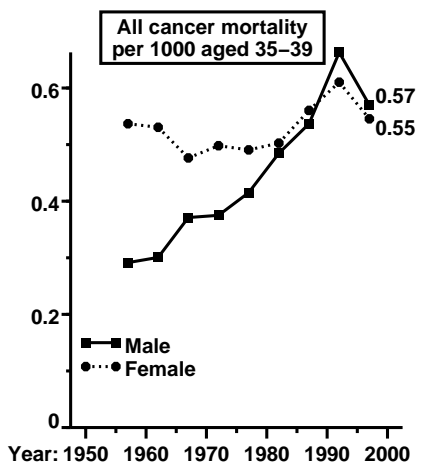
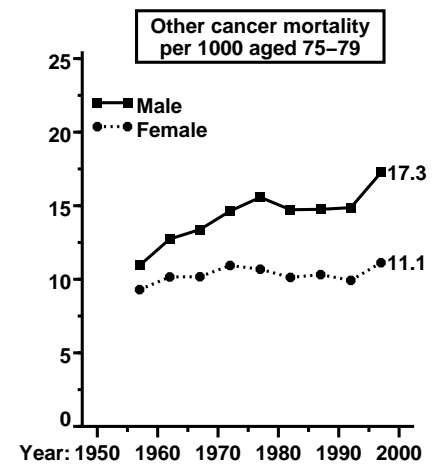
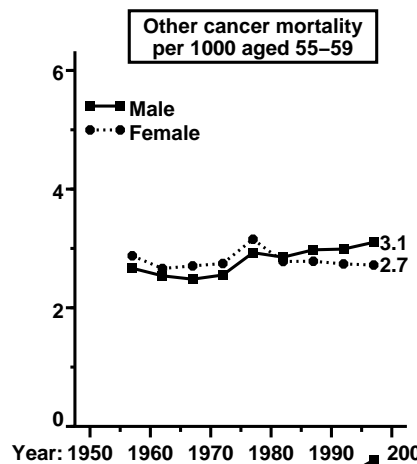
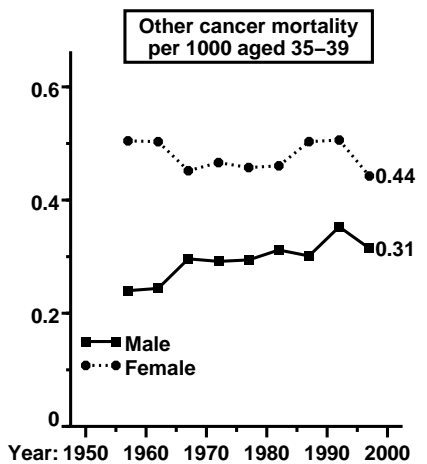
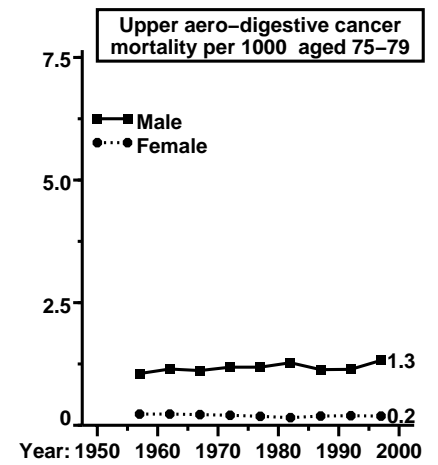
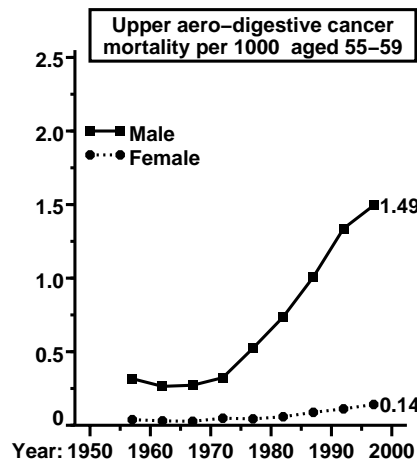
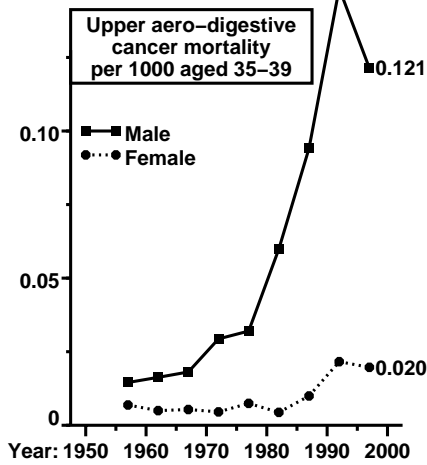
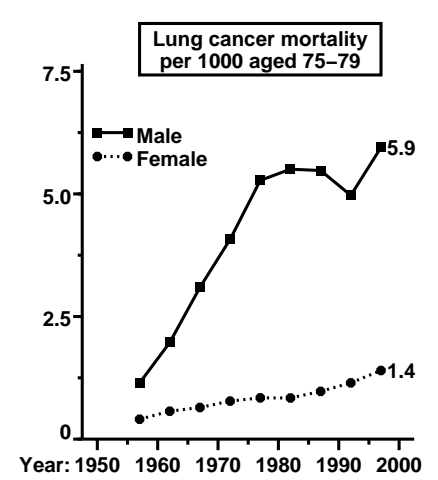
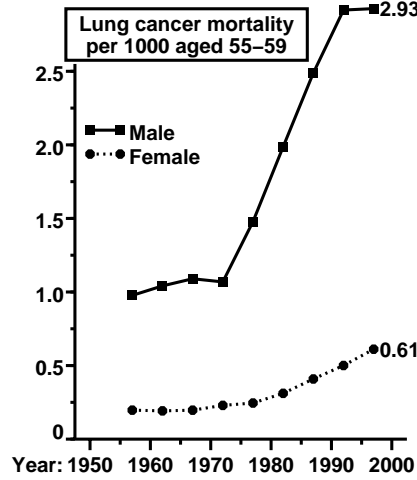
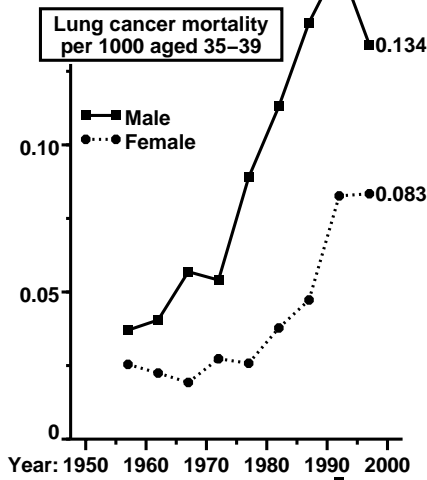
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	0.09	0.83	2.25	1.04	9.68	-	0.09	0.06	2.58	0.08	8.24	-	0.09	0.06	2.58
1960	-	0.11	1.05	2.23	2.19	11.5	-	0.10	0.08	2.57	0.25	9.34	-	0.10	0.08	2.57
1965	-	0.11	1.34	2.20	3.56	11.5	-	0.09	0.10	2.45	0.38	9.51	-	0.10	0.12	2.45
1970	-	0.11	1.44	2.31	4.97	12.0	-	0.10	0.12	2.45	0.42	9.70	-	0.10	0.11	2.58
1975	-	0.13	1.62	2.39	6.74	12.1	-	0.10	0.11	2.58	0.62	9.67	-	0.10	0.21	2.56
1980	-	0.13	2.11	2.39	7.03	11.8	-	0.10	0.21	2.56	0.58	8.99	-	0.10	0.25	2.44
1985	-	0.12	2.58	2.26	7.14	11.6	-	0.10	0.25	2.44	0.73	9.13	-	0.10	0.36	2.43
1990	-	0.11	3.35	2.33	7.16	12.3	-	0.10	0.36	2.43	1.03	9.21	-	0.10	0.51	2.48
1995	-	0.10	3.69	2.37	8.07	12.3	-	0.08	0.51	2.48	1.12	9.23	-	0.08	0.64	2.33
2000	-	0.09	3.71	2.36	8.14	12.4	-	0.07	0.64	2.33	1.20	8.98	-	0.07	0.64	2.33

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

HUNGARY: 1955-2000

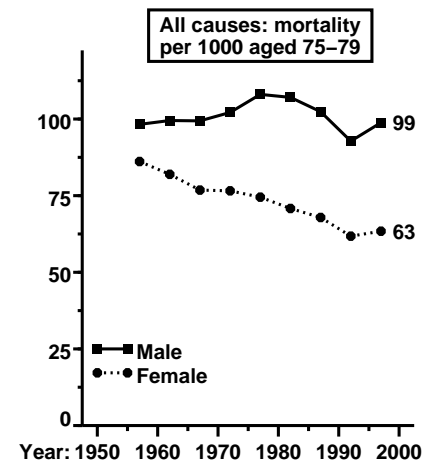
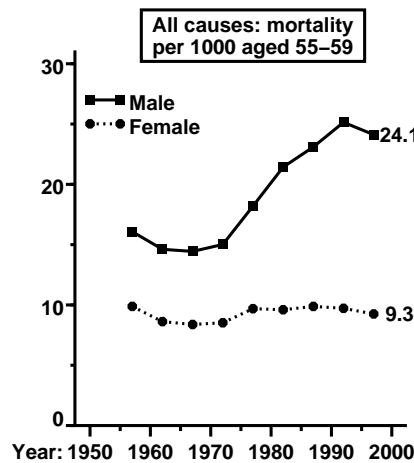
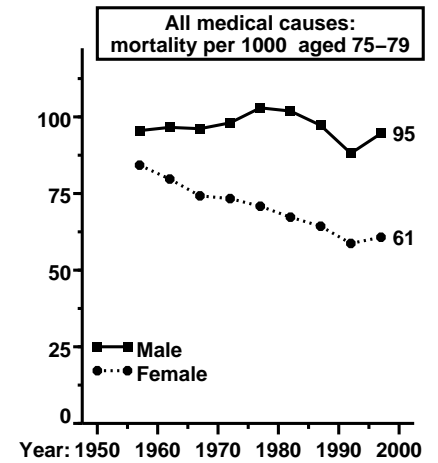
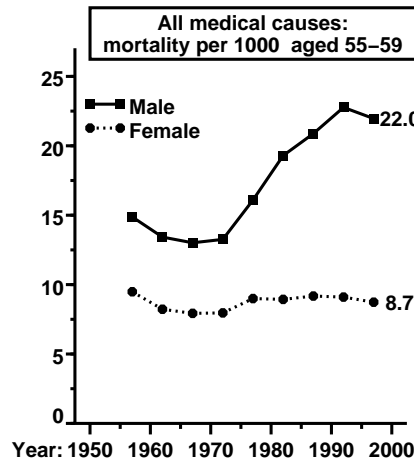
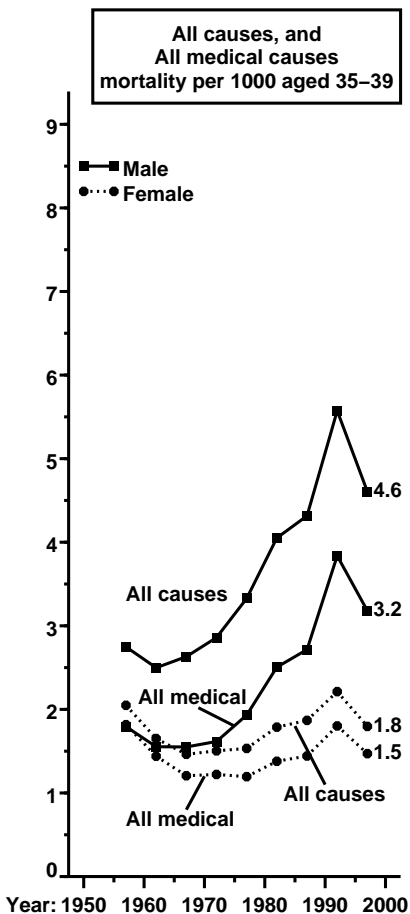
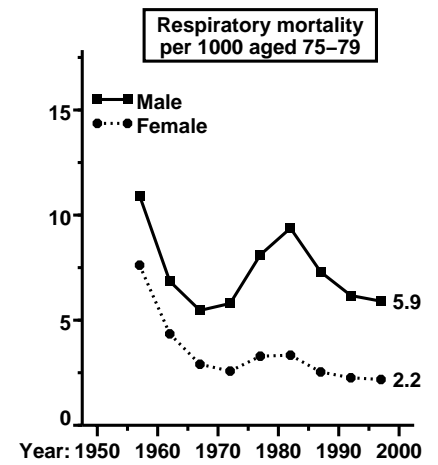
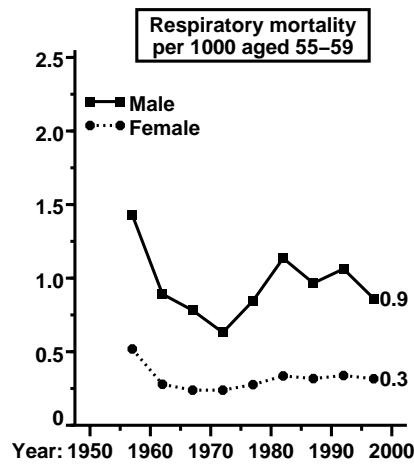
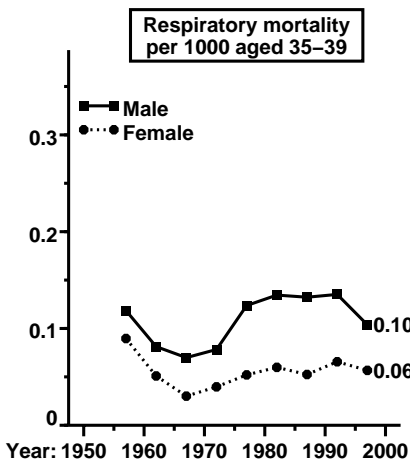
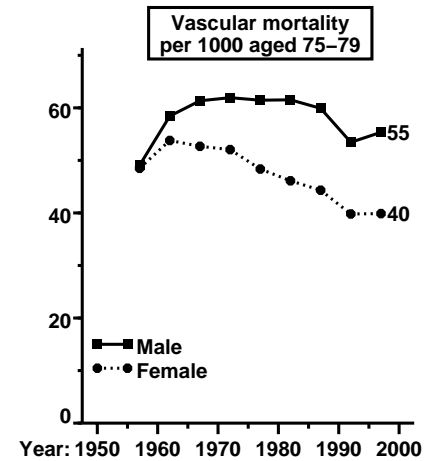
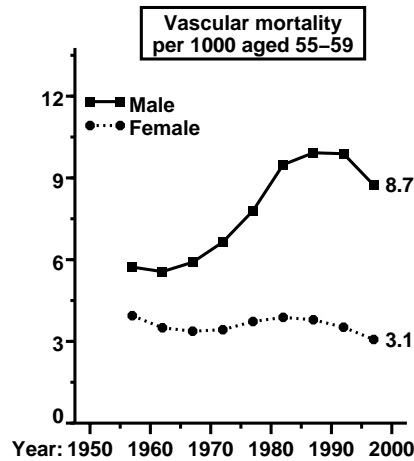
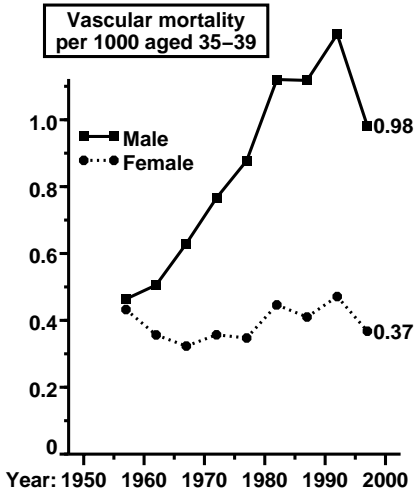
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1955-59,.....,1995-99; year 2000 on pages 224-225

1955-2000: HUNGARY

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1955-59,.....,1995-99; year 2000 on pages 224-225

IRELAND: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	16192	979	4902	947.6	93.1	865.8	171.0	14.8	13.8	83.1	115.7	114.2	139.5
	F	15199	432	2953	614.7	44.0	503.6	119.0	14.9	15.3	36.6	37.1	33.3	51.7
Tuberculosis	M	29	-	4	1.7	-	0.7	-	-	-	-	-	-	-
	F	23	-	1	0.9	-	0.2	-	-	-	-	-	-	-
HIV	M	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	88	20	25	5.0	1.9	4.1	7.4	-	0.7	2.3	1.1	1.3	0.8
	F	83	14	23	3.9	1.4	3.8	4.7	-	1.4	2.4	1.2	-	-
ALL CANCER	M	4079	61	1652	243.5	5.9	299.6	2.2	1.5	0.7	5.1	6.2	5.9	19.9
	F	3587	54	1464	170.9	5.3	245.9	-	1.6	3.5	5.4	5.9	6.8	13.9
Mouth and pharynx cancer	M	86	1	53	5.3	0.1	9.3	-	-	-	-	-	-	0.8
	F	40	2	17	1.9	0.2	2.8	-	-	-	-	-	0.7	0.8
Oesophagus cancer	M	208	1	96	12.5	0.1	17.7	-	-	-	-	-	-	0.8
	F	114	1	27	4.8	0.1	4.7	-	-	-	-	-	-	0.8
Stomach cancer	M	212	-	93	12.8	-	17.4	-	-	-	-	-	-	-
	F	140	1	46	6.4	0.1	8.2	-	-	-	-	-	-	0.8
Colorectal cancer	M	493	4	205	29.5	0.4	37.8	-	-	-	-	0.6	0.7	1.5
	F	411	2	140	18.7	0.2	25.4	-	-	-	-	-	-	1.5
Liver cancer	M	18	-	9	1.1	-	1.8	-	-	-	-	-	-	-
	F	7	-	5	0.4	-	0.8	-	-	-	-	-	-	-
Pancreas cancer	M	181	1	75	10.8	0.1	13.0	-	-	-	-	-	-	0.8
	F	168	-	46	7.4	-	8.5	-	-	-	-	-	-	-
Larynx cancer	M	49	1	29	3.0	0.1	5.5	-	-	0.7	-	-	-	-
	F	6	-	1	0.2	-	0.2	-	-	-	-	-	-	-
Lung cancer	M	981	2	407	59.0	0.2	74.6	-	-	-	-	-	-	1.5
	F	587	-	222	28.2	-	39.2	-	-	-	-	-	-	-
Malignant melanoma	M	32	4	20	1.8	0.4	2.7	-	-	-	-	0.6	0.7	1.5
	F	34	1	19	1.7	0.1	2.9	-	-	-	-	0.6	-	-
Female breast cancer	F	668	3	391	34.6	0.3	61.3	-	-	-	-	-	-	2.3
Cervix cancer	F	65	2	49	3.6	0.2	7.3	-	-	-	-	-	-	1.5
Other uterine cancer	F	63	-	19	2.9	-	3.3	-	-	-	-	-	-	-
Ovarian cancer	F	238	4	111	12.0	0.4	18.4	-	-	-	-	0.6	0.7	1.5
Prostate cancer	M	541	-	98	31.6	-	20.0	-	-	-	-	-	-	-
Bladder cancer	M	92	-	22	5.4	-	4.1	-	-	-	-	-	-	-
	F	54	-	10	2.1	-	1.8	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	799	31	389	47.8	3.0	68.1	1.5	0.7	-	2.8	3.4	4.0	8.4
	F	692	26	263	32.5	2.5	44.7	-	0.8	1.4	3.6	2.4	4.8	4.6
Hodgkin's disease	M	11	1	7	0.6	0.1	1.1	-	-	-	0.6	-	-	-
	F	13	5	3	0.6	0.5	0.5	-	-	1.4	0.6	0.6	0.7	-
Myeloma and non- Hodgkin lymphomas	M	229	7	98	13.6	0.7	17.6	-	-	-	0.6	1.1	0.7	2.3
	F	186	-	73	8.7	-	12.6	-	-	-	-	-	-	-
Leukaemia	M	147	8	51	8.6	0.8	8.9	0.7	0.7	-	1.1	0.6	-	2.3
	F	101	7	22	4.2	0.6	3.4	-	0.8	0.7	1.2	1.8	-	-
Diabetes	M	217	1	83	13.0	0.1	16.0	-	-	-	-	-	0.7	-
	F	195	2	37	7.9	0.2	6.9	0.8	-	-	-	-	0.7	-
ALL VASCULAR DISEASE	M	6449	41	1862	381.0	4.0	336.8	1.5	0.7	0.7	1.7	3.4	7.9	12.3
	F	6217	26	719	232.4	2.7	128.1	1.6	0.8	0.7	-	2.9	3.4	9.3
Rheumatic heart disease and fever	M	16	-	7	1.0	-	1.3	-	-	-	-	-	-	-
	F	37	1	12	1.6	0.1	2.0	-	-	-	-	0.6	-	-
Hypertensive disease	M	106	-	32	6.3	-	6.1	-	-	-	-	-	-	-
	F	160	-	18	6.0	-	3.2	-	-	-	-	-	-	-
Ischaemic heart disease	M	3778	9	1235	224.4	1.0	224.3	-	-	-	-	-	1.3	5.4
	F	2811	4	315	105.4	0.4	59.0	-	-	-	-	0.6	-	2.3
Pulmonary embolism and other venous	M	88	3	35	5.2	0.3	6.2	-	-	-	-	-	-	2.3
	F	108	-	29	4.7	-	4.9	-	-	-	-	-	-	-
Cerebrovascular disease	M	1116	6	213	65.2	0.5	38.5	-	-	-	1.1	0.6	1.3	0.8
	F	1622	13	195	60.6	1.3	33.2	-	-	0.7	-	1.2	2.0	5.4
Other vascular disease	M	1345	23	340	78.9	2.2	60.5	1.5	0.7	0.7	0.6	2.8	5.3	3.8
	F	1479	8	150	54.1	0.8	25.9	1.6	0.8	-	-	0.6	1.4	1.5
Chronic obstructive pulmonary disease	M	922	5	156	53.7	0.5	29.8	0.7	-	-	0.6	0.6	-	1.5
	F	742	5	106	29.2	0.5	20.5	-	0.8	-	0.6	0.6	0.7	0.8
Other respiratory disease	M	1404	12	184	81.8	1.2	34.2	2.2	-	0.7	-	1.7	-	3.8
	F	1795	18	115	62.9	1.9	20.8	3.9	1.6	0.7	0.6	1.8	1.4	3.1
Peptic ulcer	M	83	1	28	4.9	0.1	5.3	-	-	-	-	0.6	-	-
	F	87	-	16	3.4	-	2.8	-	-	-	-	-	-	-
Liver cirrhosis	M	94	5	68	5.7	0.5	10.9	-	-	-	-	-	1.3	2.3
	F	56	1	33	3.0	0.1	5.5	-	-	-	-	-	-	0.8
Renal disease	M	202	3	38	11.8	0.3	7.2	1.5	-	-	-	-	-	0.8
	F	195	3	20	7.3	0.3	3.6	-	-	-	-	0.6	-	1.5
Pregnancy, birth Congenital and perinatal causes	F	1	1	-	0.0	0.1	-	-	-	-	-	-	-	0.7
	M	188	164	17	11.1	17.2	2.6	115.7	1.5	1.3	-	0.6	0.7	0.8
	F	137	115	15	8.2	12.8	2.2	81.2	1.6	2.1	1.2	1.2	0.7	1.5
Ill-defined causes	M	100	36	9	5.8	3.7	1.4	22.8	-	-	0.6	1.1	0.7	0.8
	F	119	23	6	4.7	2.5	1.1	15.8	-	-	-	0.6	0.7	0.8
Other medical causes	M	1240	117	341	71.4	11.1	56.5	11.8	3.0	4.0	10.8	12.4	15.8	19.9
	F	1481	57	263	59.0	5.6	43.0	7.9	2.4	2.1	6.6	6.5	5.4	8.5
ALL NON- MEDICAL CAUSES	M	1097	513	435	57.4	46.5	61.0	5.2	8.1	5.9	62.0	88.0	79.9	76.6
	F	481	113	135	21.0	10.6	19.1	3.2	6.3	4.9	19.8	15.9	12.9	11.6
Motor vehicle traffic accidents	M	297	194	81	14.5	17.2	10.5	1.5	3.7	2.0	29.6	36.1	26.4	21.5
	F	96	47	33	4.7	4.5	4.8	0.8	2.4	3.5	9.6	4.1	3.4	7.7
Fire	M	34	9	11	1.9	0.8	1.8	1.5	-	0.7	-	1.7	1.3	0.8
	F	13	1	5	0.6	0.1	0.9	0.8	-	-	-	-	-	-
Suicide	M	381	185	182	19.9	16.9	24.3	-	-	0.7	19.4	28.8	37.6	32.2
	F	82	30	44	4.2	2.7	5.5	-	-	-	4.2	8.3	5.4	0.8
Homicide	M	30	22	8	1.5	2.1	0.9	1.5	1.5	0.7	2.3	2.3	2.6	3.8
	F	8	5	2	0.4	0.5	0.2	0.8	0.8	-	0.6	0.6	0.7	-
POPULATION: (1000s; UN, 2002 revision)				M=male	1898.3	1057.8	717.9	135.7	135.5	151.7	175.7	177.2	151.5	130.5
				F=female	1921.3	1011.4	730.0	126.9	127.6	144.0	166.6	169.6	147.0	129.7

2000: IRELAND

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK		
147.9	227.0	294.5	540.0	861.5	1463.6	2526.3	4529.6	7398.4	15293.3	M	ALL CAUSES 001-999/A00-Y89
95.3	136.9	212.3	328.0	502.8	833.6	1416.2	2626.0	4363.6	12165.9	F	
0.8	-	-	-	1.1	1.3	1.6	19.8	15.8	26.4	M	Tuberculosis 010-018, 137/
-	-	-	-	-	-	1.5	8.1	16.7	12.4	F	A15-A19, B90
-	-	-	-	-	-	-	-	-	-	M	HIV 279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F	
-	0.8	4.1	5.3	3.3	5.4	9.6	11.9	36.9	67.4	M	Other infective and parasitic Rest of 001-139/rest of
2.2	0.8	0.8	1.8	4.5	10.7	6.0	19.5	26.0	31.0	F	A00-B99 excl A33,A34
19.5	56.7	80.2	169.7	327.5	536.4	907.5	1403.2	1907.7	2736.1	M	ALL CANCER 140-208/C00-C97
41.4	70.8	111.1	183.6	271.6	438.1	604.8	908.9	1016.7	1491.5	F	
-	0.8	2.5	6.2	15.4	24.3	15.9	21.7	29.0	29.3	M	Mouth and pharynx cancer 140-149/C00-C14
-	0.8	1.6	2.7	4.5	2.7	7.5	4.9	7.4	21.7	F	
-	3.9	5.8	9.7	15.4	25.6	63.8	77.1	110.8	88.0	M	Oesophagus cancer 150/C15
-	1.5	0.8	4.5	4.5	8.0	13.5	27.6	40.8	72.9	F	
-	4.7	3.3	6.2	13.2	41.8	52.6	69.2	97.6	137.8	M	Stomach cancer 151/C16
1.5	2.3	-	2.7	12.3	13.3	25.4	37.4	40.8	74.4	F	
0.8	5.5	12.4	23.7	27.5	67.4	127.6	170.0	237.5	316.7	M	Colorectal cancer 153, 154/C18-C21
3.0	2.3	6.6	12.5	21.3	43.9	88.3	97.6	135.4	210.9	F	
-	-	0.8	-	1.1	2.7	8.0	7.9	7.9	5.9	M	Liver cancer 155.0/C22 excl C221
-	-	0.8	0.9	1.1	-	3.0	1.6	1.9	-	F	
1.6	4.7	6.6	4.4	17.6	22.9	33.5	73.1	76.5	114.4	M	Pancreas cancer 157/C25
0.7	0.8	0.8	4.5	7.9	14.6	29.9	53.7	53.8	93.0	F	
-	-	1.7	0.9	6.6	13.5	15.9	4.0	15.8	32.3	M	Larynx cancer 161/C32
-	-	-	-	1.1	-	-	1.6	1.9	4.7	F	
0.8	6.3	11.6	47.5	96.7	145.6	213.7	409.1	456.5	563.0	M	Lung cancer 162/C33, C34
-	8.5	9.9	27.6	42.6	69.2	116.8	204.9	215.2	190.7	F	
2.3	4.7	0.8	2.6	5.5	2.7	-	7.9	7.9	2.9	M	Malignant melanoma 172/C43
-	3.1	0.8	5.3	-	6.7	4.5	3.3	11.1	9.3	F	
18.5	26.2	45.3	58.8	66.2	109.2	104.8	139.8	113.2	196.9	F	Female breast cancer 174/C50
3.0	4.6	8.2	6.2	6.7	13.3	9.0	4.9	5.6	12.4	F	Cervix cancer 180/C53
0.7	-	3.3	-	2.2	9.3	7.5	21.1	24.1	27.9	F	Other uterine cancer 179, 182/C54, C55
1.5	4.6	6.6	19.6	23.6	37.3	35.9	71.5	63.1	69.8	F	Ovarian cancer 183/C56, C570-C574
-	-	-	3.5	17.6	31.0	87.7	168.0	358.8	651.0	M	Prostate cancer 185/C61
-	-	-	6.2	-	8.1	14.4	41.5	39.6	99.7	M	Bladder cancer 188/C67
0.7	0.8	0.8	-	-	4.0	6.0	9.8	20.4	41.9	F	
10.9	17.3	23.2	44.9	83.5	103.8	193.0	221.3	300.8	448.7	M	Other and ill-defined cancer sites Rest of 140-199/
8.1	11.5	19.8	25.8	56.1	75.9	115.3	169.1	192.9	302.3	F	rest of C00-C80, C97
-	-	2.5	0.9	-	1.3	3.2	4.0	-	2.9	M	Hodgkin's disease 201/C81
-	-	0.8	-	1.1	1.3	-	3.3	3.7	1.6	F	
0.8	5.5	6.6	8.8	16.5	33.7	51.0	83.0	102.9	126.1	M	Myeloma and non-Hodgkin lymphomas 200, 202-203/
3.0	3.8	1.6	6.2	16.8	26.6	29.9	37.4	57.5	91.5	F	C82-C90, C96
2.3	3.2	2.5	4.4	11.0	12.1	27.1	45.5	66.0	117.3	M	Leukaemia 204-208/C91-C95
0.7	-	3.3	6.2	3.4	2.7	7.5	19.5	27.8	69.8	F	
0.8	0.8	4.1	6.2	13.2	22.9	63.8	59.3	102.9	187.7	M	Diabetes 250/E10-E14
0.7	-	2.5	1.8	6.7	6.7	29.9	40.7	63.1	150.4	F	
23.3	58.3	100.1	210.2	342.9	597.0	1025.5	1978.3	3221.6	6815.2	M	ALL VASCULAR DISEASE 390-459/I00-199
11.1	27.7	42.8	62.4	119.0	198.4	435.6	961.0	1922.1	5961.2	F	
-	0.8	-	0.9	1.1	1.3	4.8	5.9	2.6	14.7	M	Rheumatic heart disease and fever 390-398/I00-109
-	-	3.3	0.9	2.2	1.3	6.0	8.1	9.3	21.7	F	
0.8	1.6	2.5	-	3.3	12.1	22.3	35.6	47.5	111.4	M	Hypertensive disease 401-405/I10-I15
-	-	1.6	0.9	6.7	2.7	10.5	24.4	44.5	159.7	F	
10.1	30.7	52.9	149.5	245.1	416.4	665.1	1177.9	1918.2	3551.3	M	Ischaemic heart disease 410-414/I20-I25
0.7	5.4	15.6	20.5	39.3	103.9	227.5	484.6	903.5	2646.5	F	
-	0.8	2.5	5.3	7.7	9.4	17.5	23.7	47.5	58.7	M	Pulmonary embolism and other venous 415.1, 451-453/
0.7	0.8	4.9	0.9	6.7	8.0	12.0	26.0	50.1	55.8	F	I26, I80-I82
4.7	12.6	16.5	12.3	33.0	67.4	122.8	304.3	554.1	1563.0	M	Cerebrovascular disease 430-438/I60-169
5.9	15.4	8.2	21.4	33.7	50.6	97.3	221.1	519.5	1547.3	F	
7.8	11.8	25.6	42.2	52.7	90.3	193.0	430.8	651.7	1516.1	M	Other vascular disease Rest of 390-459/
3.7	6.2	9.1	17.8	30.3	32.0	82.3	196.7	395.2	1530.2	F	rest of I00-199
-	3.2	6.6	12.3	26.4	49.9	110.0	264.8	572.6	1202.3	M	Chronic obstructive pulmonary disease 490-496/
-	2.3	1.6	4.5	15.7	25.3	94.3	165.9	298.7	570.5	F	J40-J47, J67
4.7	5.5	6.6	18.5	24.2	62.0	118.0	284.6	680.7	2363.6	M	Other respiratory disease Rest of 460-519/
5.2	1.5	5.8	8.9	14.6	30.6	79.3	183.7	415.6	2054.3	F	rest of J00-J98
0.8	2.4	-	1.8	5.5	4.0	22.3	19.8	47.5	76.2	M	Peptic ulcer 531-533/K25-K27
0.7	0.8	0.8	0.9	4.5	2.7	9.0	9.8	26.0	79.1	F	
3.9	8.7	5.0	7.0	13.2	17.5	20.7	21.7	21.1	5.9	M	Liver cirrhosis 571/K70, K74
1.5	0.8	1.6	7.1	5.6	6.7	15.0	14.6	14.8	7.8	F	
2.3	0.8	0.8	1.8	6.6	10.8	27.1	73.1	102.9	249.3	M	Renal disease 580-590/N00-N19
-	-	0.8	2.7	2.2	10.7	9.0	32.5	70.5	176.7	F	
-	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth 630-676/A34, O00-O99
1.6	-	0.8	4.4	3.3	8.1	-	4.0	5.3	8.8	M	Congenital and perinatal causes 740-779/A33,
1.5	-	3.3	1.8	4.5	1.3	3.0	1.6	1.9	7.8	F	P00-P96, Q00-Q99
0.8	1.6	-	2.6	-	1.3	3.2	9.9	10.6	134.9	M	Ill-defined causes 780-799/R00-R99
-	0.8	-	-	2.2	-	4.5	3.3	18.6	120.9	F	
30.4	22.1	30.6	41.3	40.7	74.1	156.3	308.3	551.5	1222.9	M	Other medical causes Rest of 001-799/
11.8	16.2	23.9	33.0	40.4	79.9	95.8	239.0	411.9	1227.9	F	rest of A00-R99
59.1	66.2	55.4	58.9	53.8	72.8	60.6	71.1	121.4	196.5	M	ALL NON-MEDICAL CAUSES E800-E999/V01-Y89
19.2	15.4	17.3	19.6	11.2	22.6	28.4	37.4	61.2	274.4	F	
17.1	11.8	13.2	9.7	8.8	6.7	6.4	13.8	18.5	23.5	M	Motor vehicle traffic accidents E810-E819/
5.9	2.3	4.1	2.7	2.2	10.7	6.0	3.3	11.1	12.4	F	part of V01-V99
0.8	0.8	-	1.8	2.2	5.4	1.6	5.9	18.5	11.7	M	Fire E890-E899/X00-X09
0.7	-	-	0.9	-	-	4.5	1.6	3.7	6.2	F	
28.0	31.5	24.0	29.0	16.5	29.6	11.2	13.8	13.2	5.9	M	Suicide E950-E959/X60-X84
7.4	7.7	7.4	7.1	3.4	2.7	3.0	4.9	5.6	3.1	F	
1.6	2.4	1.7	0.9	-	-	-	-	-	-	M	Homicide E960-E969/
0.7	0.8	-	-	-	-	-	-	-	1.6	F	X85-X99, Y00-Y09
128.5	126.9	120.9	113.7	91.0	74.2	62.7	50.6	37.9	34.1	M	POPULATION
135.3	130.0	121.5	112.2	89.1	75.1	66.8	61.5	53.9	64.5	F	(1000s; UN, 2002 revision)

IRELAND: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	878	52	1	1	50	5	20	44	1	311	445
35-69	Sm.	1448	621	409	84	128	160	40	513	-	114	-
	Total	5144 (28%)	1624 (38%)	453 (90%)	144 (58%)	1027 (12%)	216 (74%)	174 (23%)	2228 (23%)	30	476 (24%)	396
70+	Sm.	2506	844	529	92	223	737	130	649	-	146	-
	Total	11053 (23%)	2421 (35%)	581 (91%)	154 (60%)	1686 (13%)	998 (74%)	1105 (12%)	5162 (13%)	17	1197 (12%)	153
Any age	Sm.	3954	1465	938	176	351	897	170	1162	-	260	-
	Total	17075 (23%)	4097 (36%)	1035 (91%)	299 (59%)	2763 (13%)	1219 (74%)	1299 (13%)	7434 (16%)	48	1984 (13%)	994
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	979	61	2	3	56	5	12	41	5	342	513
35-69	Sm.	1172	560	359	94	107	106	35	363	-	108	-
	Total	4902 (24%)	1652 (34%)	407 (88%)	178 (53%)	1067 (10%)	156 (68%)	184 (19%)	1862 (19%)	68	545 (20%)	435
70+	Sm.	2105	802	515	93	194	541	122	503	-	137	-
	Total	10311 (20%)	2366 (34%)	572 (90%)	162 (57%)	1632 (12%)	761 (71%)	1208 (10%)	4546 (11%)	21	1260 (11%)	149
Any age	Sm.	3277	1362	874	187	301	647	157	866	-	245	-
	Total	16192 (20%)	4079 (33%)	981 (89%)	343 (55%)	2755 (11%)	922 (70%)	1404 (11%)	6449 (13%)	94	2147 (11%)	1097

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)														
1995		1792.3	1023.7	651.3	124.2	118.7	112.7	91.6	76.7	67.9	59.5	50.4	34.9	32.0
2000		1898.3	1057.8	717.9	128.5	126.9	120.9	113.7	91.0	74.2	62.7	50.6	37.9	34.1
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		17075	878	5144	184	237	340	525	780	1227	1851	2761	3028	5264
2000		16192	979	4902	190	288	356	614	784	1086	1584	2292	2804	5215
Lung cancer														
1995		1035	1	453	3	7	16	55	89	107	176	217	184	180
2000		981	2	407	1	8	14	54	88	108	134	207	173	192
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)														
All causes														
1995		1073.9*	89.9*	1022.5*	148.1	199.7	301.7	573.1	1016.9	1807.1	3110.9	5478.2	8676.2	16450.0
2000		947.6*	93.1*	865.8*	147.9	227.0	294.5	540.0	861.5	1463.6	2526.3	4529.6	7398.4	15293.3
All cancer														
1995		263.2*	5.3*	325.7*	18.5	45.5	89.6	224.9	346.8	583.2	971.4	1492.1	2097.4	2928.1
2000		243.5*	5.9*	299.6*	19.5	56.7	80.2	169.7	327.5	536.4	907.5	1403.2	1907.7	2736.1
Lung cancer														
1995		67.2*	0.1*	93.1*	2.4	5.9	14.2	60.0	116.0	157.6	295.8	430.6	527.2	562.5
2000		59.0*	0.2*	74.6*	0.8	6.3	11.6	47.5	96.7	145.6	213.7	409.1	456.5	563.0
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		19.7*	0.1*	27.7*	1.6	0.8	10.6	31.7	45.6	38.3	65.5	91.3	146.1	178.1
2000		20.8*	0.3*	32.5*	-	4.7	9.9	16.7	37.4	63.3	95.7	102.8	155.7	149.6
Other cancer														
1995		176.3*	5.1*	204.8*	14.5	38.8	64.8	133.2	185.1	387.3	610.1	970.2	1424.1	2187.5
2000		163.7*	5.4*	192.5*	18.7	45.7	58.7	105.5	193.4	327.5	598.1	891.3	1295.5	2023.5
Chronic obstructive pulmonary disease (COPD)														
1995		75.6*	0.5*	46.7*	0.8	3.4	4.4	14.2	28.7	85.4	189.9	474.2	853.9	1440.6
2000		53.7*	0.5*	29.8*	-	3.2	6.6	12.3	26.4	49.9	110.0	264.8	572.6	1202.3
Other respiratory disease														
1995		80.5*	2.0*	35.2*	5.6	9.3	9.8	12.0	22.2	61.9	126.1	315.5	656.2	2240.6
2000		81.8*	1.2*	34.2*	4.7	5.5	6.6	18.5	24.2	62.0	118.0	284.6	680.7	2363.6
Vascular disease														
1995		471.7*	4.5*	456.1*	29.0	48.0	104.7	230.3	462.8	857.1	1460.5	2597.2	3979.9	7700.0
2000		381.0*	4.0*	336.8*	23.3	58.3	100.1	210.2	342.9	597.0	1025.5	1978.3	3221.6	6815.2
Liver cirrhosis														
1995		3.1*	0.1*	5.7*	1.6	0.8	4.4	1.1	7.8	10.3	13.4	19.8	14.3	6.3
2000		5.7*	0.5*	10.9*	3.9	8.7	5.0	7.0	13.2	17.5	20.7	21.7	21.1	5.9
Other medical causes														
1995		122.8*	33.1*	92.1*	29.0	24.4	33.7	42.6	88.7	147.3	279.0	494.0	968.5	1906.3
2000		124.6*	34.4*	93.6*	37.4	28.4	40.5	63.3	73.6	128.0	283.9	505.9	873.4	1973.6
All non-medical causes														
1995		57.1*	44.5*	61.0*	63.6	68.2	55.0	48.0	60.0	61.9	70.6	85.3	106.0	228.1
2000		57.4*	46.5*	61.0*	59.1	66.2	55.4	58.9	53.8	72.8	60.6	71.1	121.4	196.5

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

1995, 2000: IRELAND

Female smoking-attributed deaths (Sm.) and total deaths (Total)

1995		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
		0-34	Sm. Total	- 447	- 51	- 0	- 0	- 51	- 5	- 18	- 42	- 1	- 226	- 104
35-69	Sm. Total	610 3076 (20%)	226 1393 (16%)	167 216 (77%)	29 60 (48%)	30 1117 (3%)	114 166 (69%)	20 103 (19%)	188 914 (21%)	- 35	62 319 (19%)	- 146
70+	Sm. Total	1627 11661 (14%)	388 1978 (20%)	265 323 (82%)	64 119 (54%)	59 1536 (4%)	442 618 (72%)	125 1474 (8%)	533 5877 (9%)	- 17	139 1523 (9%)	- 174
Any age	Sm. Total	2237 15184 (15%)	614 3422 (18%)	432 539 (80%)	93 179 (52%)	89 2704 (3%)	556 789 (70%)	145 1595 (9%)	721 6833 (11%)	- 53	201 2068 (10%)	- 424
2000												
0-34	Sm. Total	- 432	- 54	- 0	- 3	- 51	- 5	- 18	- 26	- 1	- 215	- 113
35-69	Sm. Total	513 2953 (17%)	220 1464 (15%)	168 222 (76%)	20 45 (44%)	32 1197 (3%)	70 106 (66%)	22 115 (19%)	133 719 (18%)	- 33	68 381 (18%)	- 135
70+	Sm. Total	1863 11814 (16%)	450 2069 (22%)	310 365 (85%)	66 112 (59%)	74 1592 (5%)	478 631 (76%)	168 1662 (10%)	580 5472 (11%)	- 22	187 1725 (11%)	- 233
Any age	Sm. Total	2376 15199 (16%)	670 3587 (19%)	478 587 (81%)	86 160 (54%)	106 2840 (4%)	548 742 (74%)	190 1795 (11%)	713 6217 (11%)	- 56	255 2321 (11%)	- 481

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	1816.6	991.7	655.3	126.8	118.9	110.5	88.3	75.5	68.9	66.4	62.8	48.4	58.4
2000	1921.3	1011.4	730.0	135.3	130.0	121.5	112.2	89.1	75.1	66.8	61.5	53.9	64.5
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	15184	447	3076	92	155	242	321	427	669	1170	1806	2483	7372
2000	15199	432	2953	129	178	258	368	448	626	946	1615	2352	7847
Lung cancer													
1995	539	-	216	1	9	14	22	32	44	94	114	86	123
2000	587	-	222	-	11	12	31	38	52	78	126	116	123
ANNUAL DEATH RATE / 100,000	(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes													
1995	674.1*	47.8*	583.4*	72.6	130.4	219.0	363.5	565.6	971.0	1762.0	2875.8	5130.2	12623.3
2000	614.7*	44.0*	503.6*	95.3	136.9	212.3	328.0	502.8	833.6	1416.2	2626.0	4363.6	12165.9
All cancer													
1995	176.8*	5.4*	259.3*	28.4	68.1	119.5	207.2	287.4	419.4	685.2	869.4	1084.7	1553.1
2000	170.9*	5.3*	245.9*	41.4	70.8	111.1	183.6	271.6	438.1	604.8	908.9	1016.7	1491.5
Lung cancer													
1995	27.8*	-	42.0*	0.8	7.6	12.7	24.9	42.4	63.9	141.6	181.5	177.7	210.6
2000	28.2*	-	39.2*	-	8.5	9.9	27.6	42.6	69.2	116.8	204.9	215.2	190.7
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	8.7*	-	11.7*	0.8	2.5	1.8	9.1	6.6	16.0	45.2	47.8	72.3	92.5
2000	7.0*	0.3*	7.7*	-	2.3	2.5	7.1	10.1	10.7	21.0	34.1	50.1	99.2
Other cancer													
1995	140.2*	5.4*	205.7*	26.8	58.0	105.0	173.3	238.4	339.6	498.5	640.1	834.7	1250.0
2000	135.7*	5.0*	199.0*	41.4	60.0	98.8	148.8	218.9	358.2	467.1	669.9	751.4	1201.6
Chronic obstructive pulmonary disease (COPD)													
1995	35.5*	0.5*	33.6*	0.8	2.5	4.5	6.8	33.1	56.6	131.0	192.7	396.7	522.3
2000	29.2*	0.5*	20.5*	-	2.3	1.6	4.5	15.7	25.3	94.3	165.9	298.7	570.5
Other respiratory disease													
1995	61.5*	1.8*	19.9*	2.4	5.0	5.4	5.7	19.9	39.2	61.7	191.1	462.8	1934.9
2000	62.9*	1.9*	20.8*	5.2	1.5	5.8	8.9	14.6	30.6	79.3	183.7	415.6	2054.3
Vascular disease													
1995	283.6*	4.5*	181.1*	12.6	14.3	43.4	78.1	141.7	314.9	662.7	1240.4	2456.6	6693.5
2000	232.4*	2.7*	128.1*	11.1	27.7	42.8	62.4	119.0	198.4	435.6	961.0	1922.1	5961.2
Liver cirrhosis													
1995	3.1*	0.1*	6.2*	3.9	3.4	0.9	3.4	4.0	13.1	15.1	9.6	12.4	8.6
2000	3.0*	0.1*	5.5*	1.5	0.8	1.6	7.1	5.6	6.7	15.0	14.6	14.8	7.8
Other medical causes													
1995	92.0*	24.8*	59.9*	11.0	16.8	21.7	34.0	58.3	101.6	176.2	332.8	646.7	1714.0
2000	95.3*	22.9*	63.6*	17.0	18.5	32.1	41.9	65.1	111.9	158.7	354.5	634.5	1806.2
All non-medical causes													
1995	21.6*	10.6*	23.3*	13.4	20.2	23.5	28.3	21.2	26.1	30.1	39.8	70.2	196.9
2000	21.0*	10.6*	19.1*	19.2	15.4	17.3	19.6	11.2	22.6	28.4	37.4	61.2	274.4

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

IRELAND: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.0	– / 0.4	–
35–69	1.2 / 4.9	0.5 / 3.0	22 years
70+	2.1 / 10	1.9 / 12	8 years
All ages	3.3 / 16	2.4 / 15	12 years

Deaths, by cause, attributed to SMOKING / total deaths in the year 2000

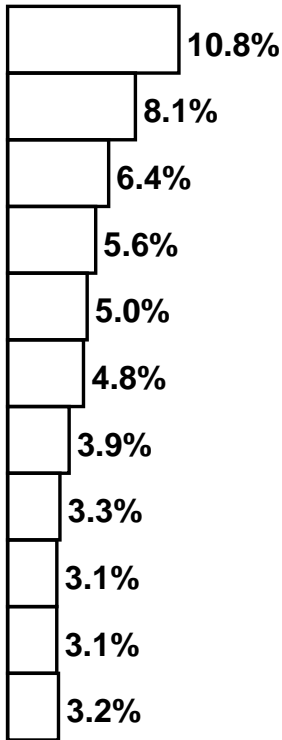
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 2	359/407	515/572	874/981	– / 0	168/222	310/365	478/587
All Cancer	– / 61	560/1652 (34%)	802/2366 (34%)	1362/4079	– / 54	220/1464 (15%)	450/2069 (22%)	670/3587
Vascular	– / 41	363/1862	503/4546	866/6449	– / 26	133/719	580/5472	713/6217
Respiratory	– / 17	141/340	663/1969	804/2326	– / 23	92/221	646/2293	738/2537
All Other	– / 860	108/1048	137/1430	245/3338	– / 329	68/549	187/1980	255/2858
All Causes	– / 979	1172/4902 (24%)	2105/10311 (20%)	3277/16192	– / 432	513/2953 (17%)	1863/11814 (16%)	2376/15199

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	1.4 / 4.1 (33%)	0.7 / 3.6 (19%)	2.0 / 7.7 (27%)
All Causes	3.3 / 16 (20%)	2.4 / 15 (16%)	5.7 / 31 (18%)

1950-2000: IRELAND

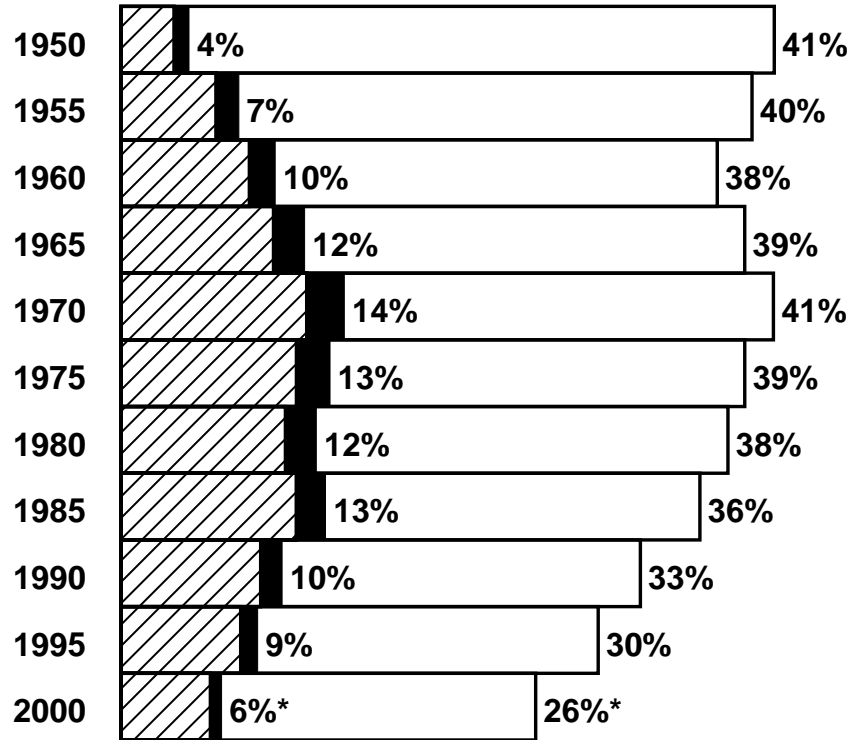
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

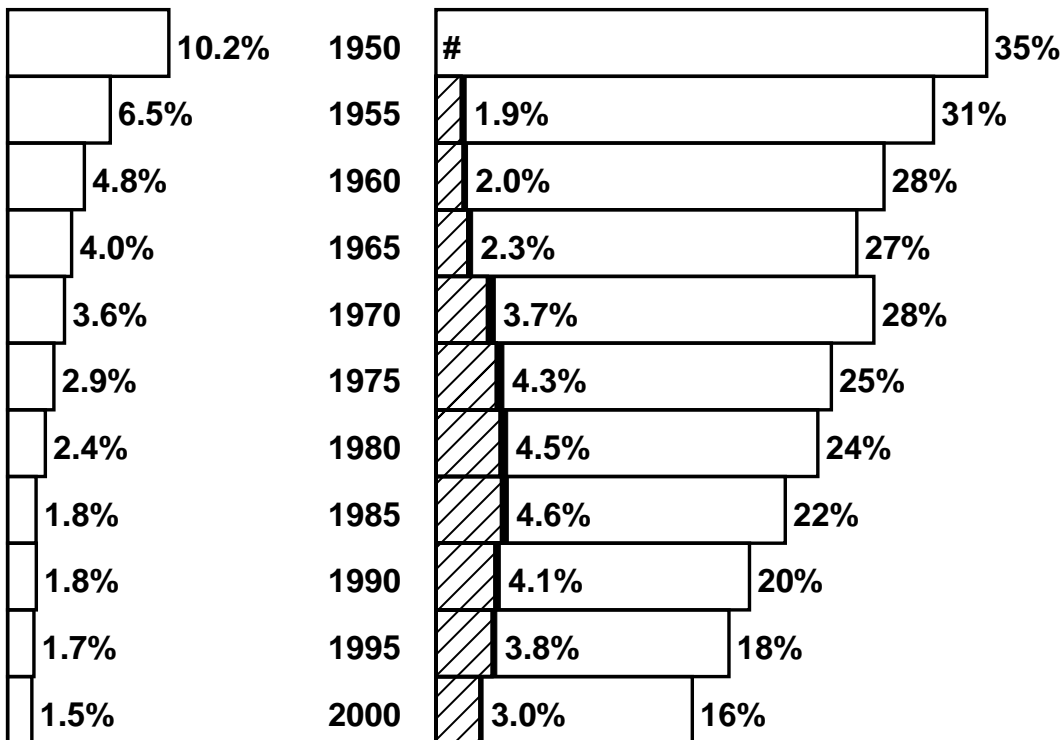
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 26 would die before age 70 (with 6 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

IRELAND: 1950-2000

Numbers of deaths attributed to smoking / total deaths

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	-/3138	800/6938 (12%)	15/9950 (0.2%)	815/20026	-/2716	0/5527	0/9472	0/17715
1955	-/2209	1337/6623 (20%)	245/10941 (2%)	1582/19773	-/1702	313/4869 (6%)	0/10417	313/16988
1960	-/1718	1633/6026 (27%)	358/9740 (4%)	1991/17484	-/1244	312/4337 (7%)	7/9595	319/15176
1965	-/1533	1938/6510 (30%)	776/9922 (8%)	2714/17965	-/1087	361/4106 (9%)	162/9864 (2%)	523/15057
1970	-/1365	2437/6980 (35%)	1222/10102 (12%)	3659/18447	-/970	585/4317 (14%)	429/9952 (4%)	1014/15239
1975	-/1450	2274/6779 (34%)	1720/9848 (17%)	3994/18077	-/875	700/4037 (17%)	628/10184 (6%)	1328/15096
1980	-/1230	2174/6794 (32%)	2027/10206 (20%)	4201/18230	-/735	750/4004 (19%)	752/10503 (7%)	1502/15242
1985	-/1048	2180/6228 (35%)	2507/10925 (23%)	4687/18201	-/562	732/3589 (20%)	1469/10861 (14%)	2201/15012
1990	-/883	1670/5475 (31%)	2476/10470 (24%)	4146/16828	-/498	652/3245 (20%)	1607/10799 (15%)	2259/14542
1995	-/878	1448/5144 (28%)	2506/11053 (23%)	3954/17075	-/447	610/3076 (20%)	1627/11661 (14%)	2237/15184
2000	-/979	1172/4902 (24%)	2105/10311 (20%)	3277/16192	-/432	513/2953 (17%)	1863/11814 (16%)	2376/15199

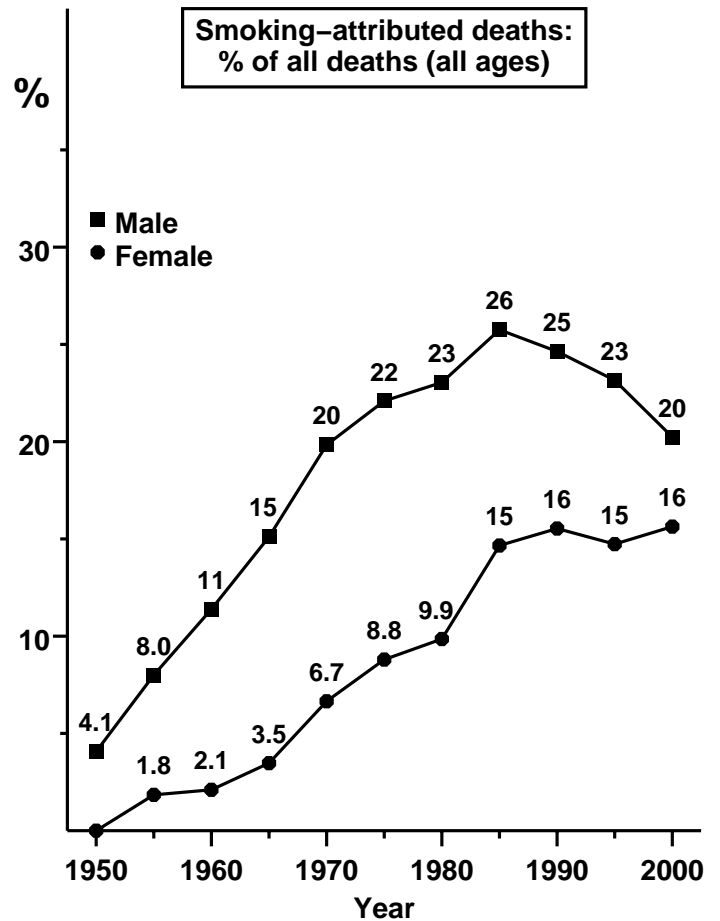
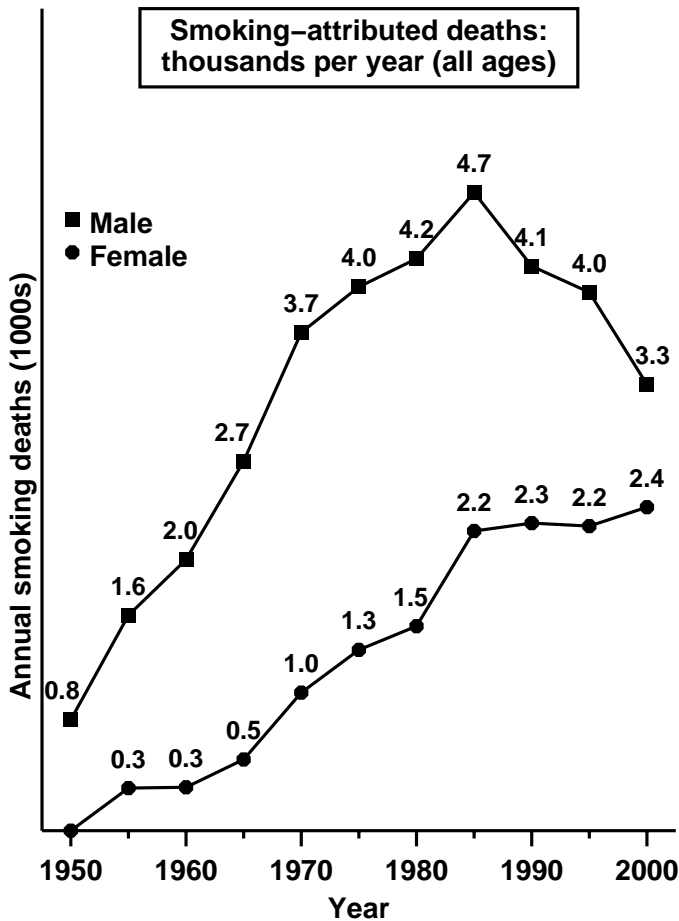
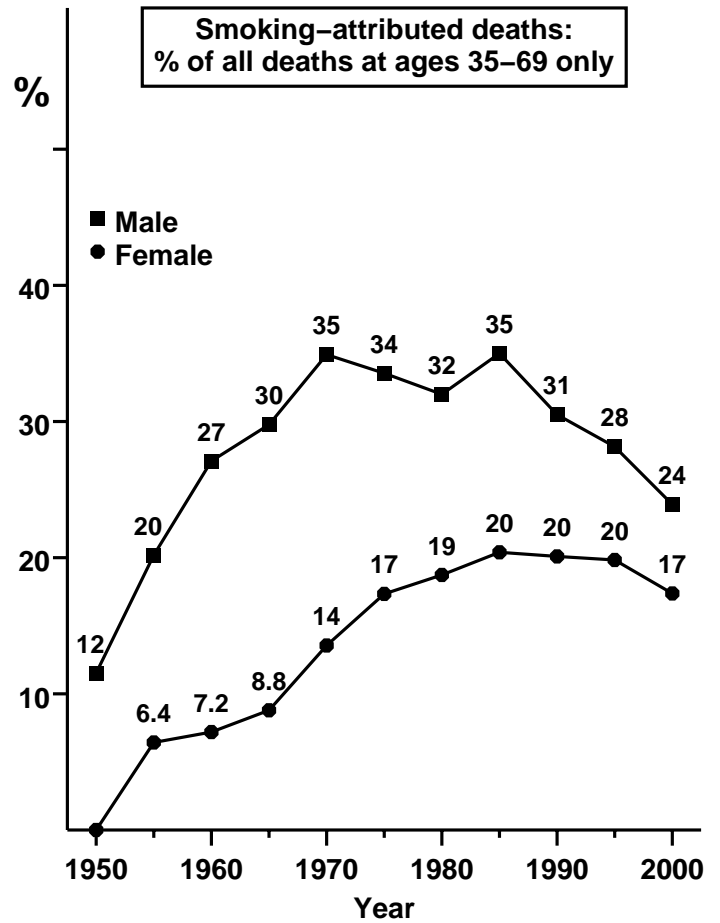
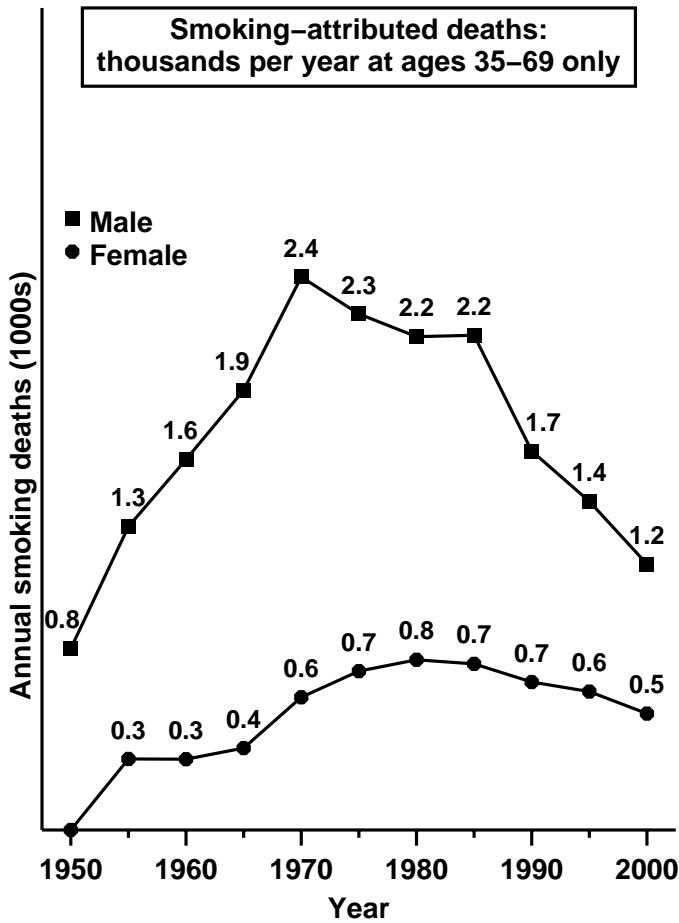
50-year total* (thousands), mid-1950 to mid-2000: 235 / 1684

1950-2000 by age & sex:

-/71	92/313 (29%)	78/527 (15%)	169/911	-/47	27/197 (14%)	39/530 (7%)	66/773
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*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

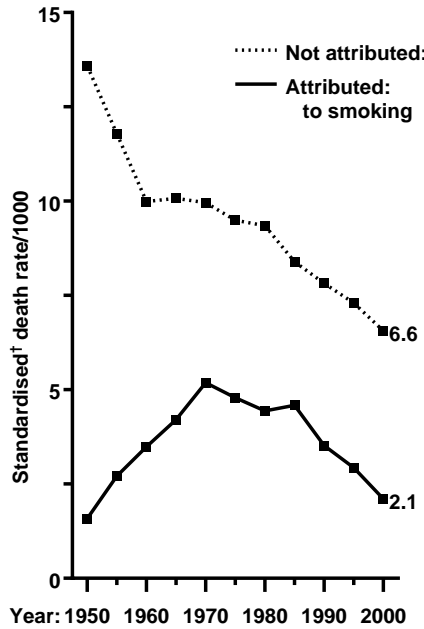
1950-2000: IRELAND



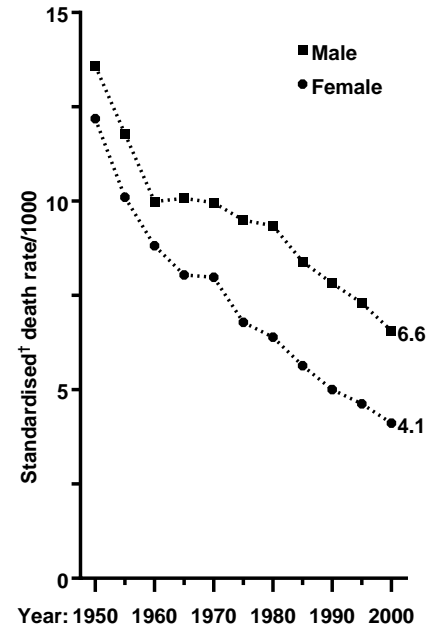
IRELAND: 1950-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

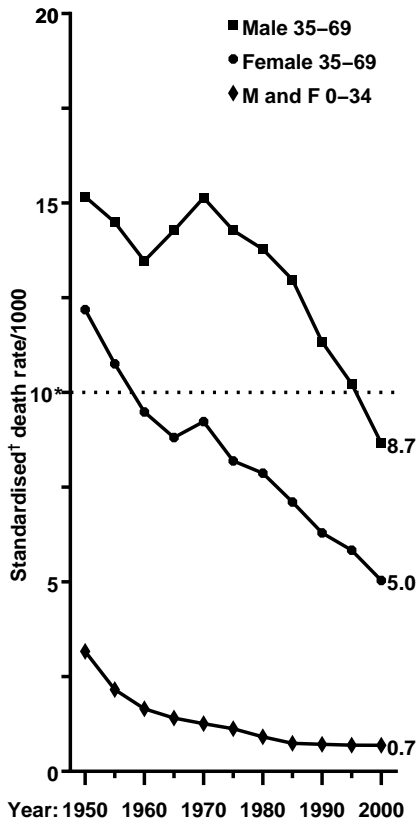
ALL-CAUSE mortality ages 35-69: MALE



ALL-CAUSE mortality ages 35-69 NOT ATTRIBUTED TO SMOKING



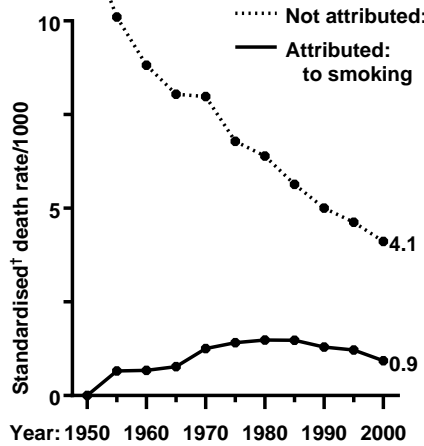
ALL-CAUSE mortality ages 35-69 & 0-34



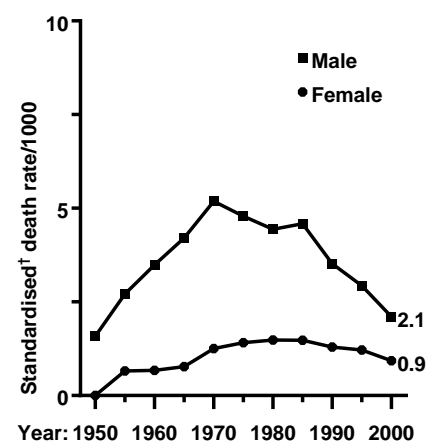
* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

ALL-CAUSE mortality ages 35-69: FEMALE



ALL-CAUSE mortality ages 35-69 ATTRIBUTED TO SMOKING

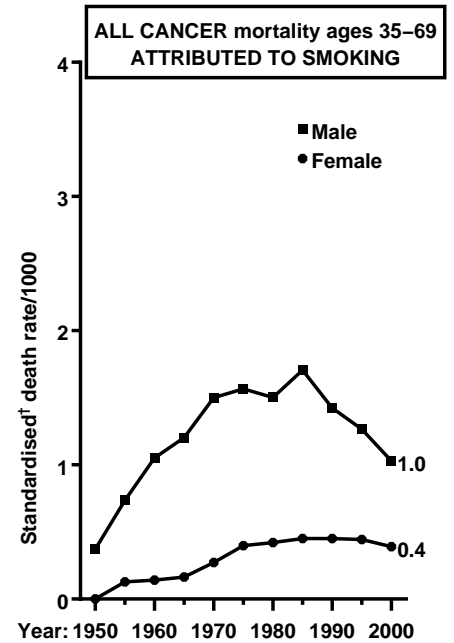
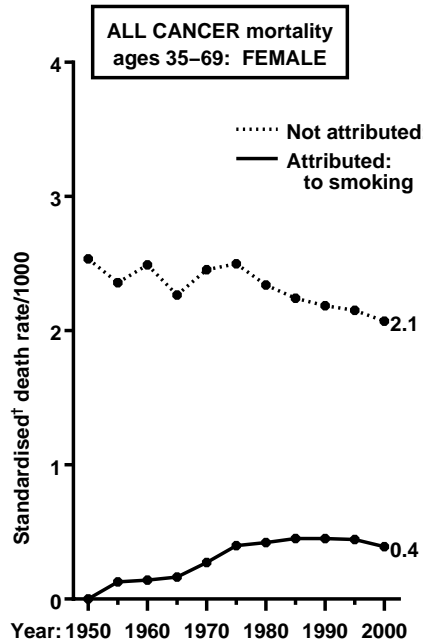
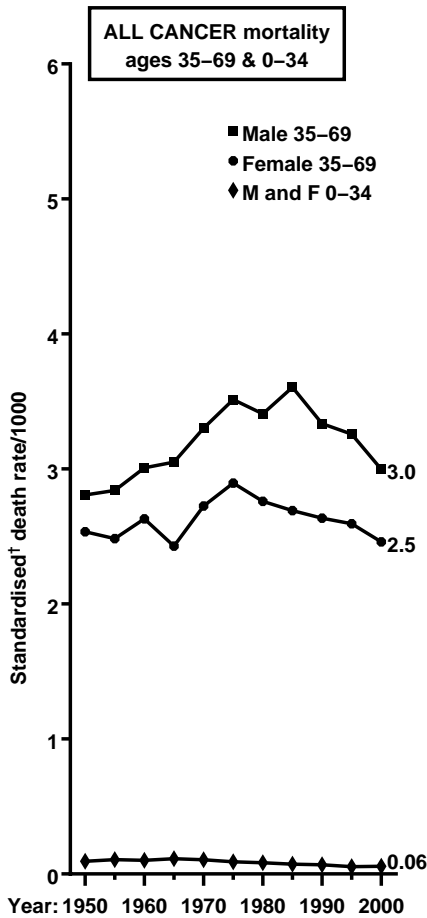
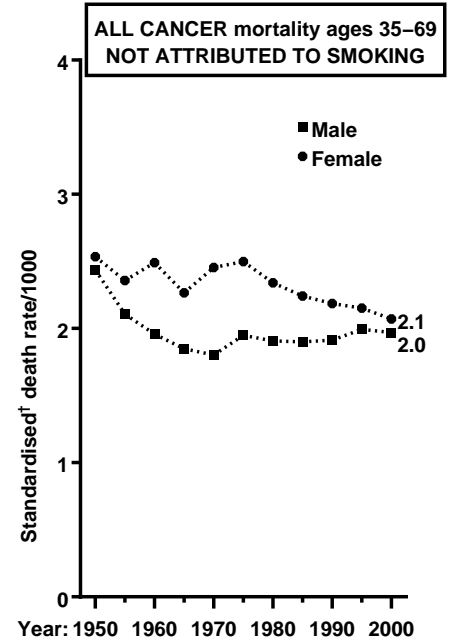
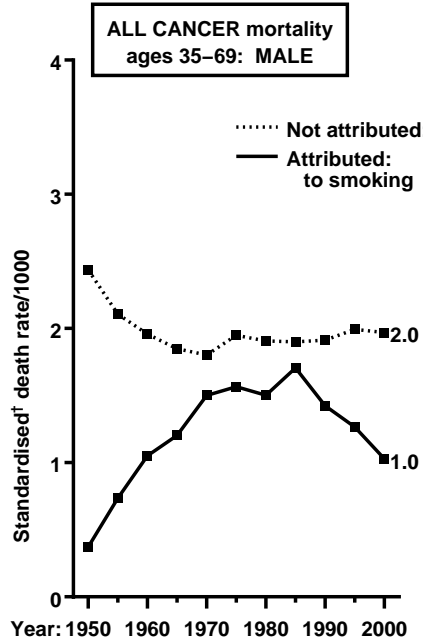
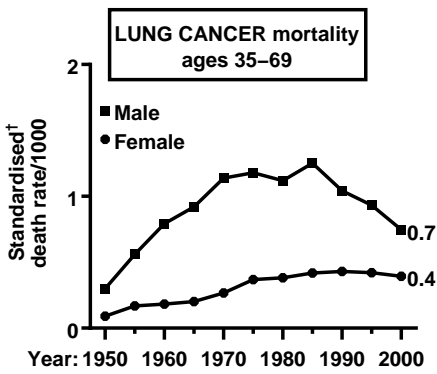


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	-	3.27	1.58	13.6	0.15	81.6	-	3.06	0.00	12.2	0.00	69.3	-	3.06	0.00	69.3
1955	-	2.40	2.71	11.8	2.06	81.1	-	1.91	0.65	10.1	0.00	70.5	-	1.91	0.65	70.5
1960	-	1.88	3.48	9.99	3.42	69.0	-	1.42	0.67	8.81	0.07	59.5	-	1.42	0.67	59.5
1965	-	1.63	4.20	10.1	7.67	69.2	-	1.18	0.77	8.04	1.72	57.2	-	1.18	0.77	57.2
1970	-	1.47	5.18	9.96	11.0	66.7	-	1.04	1.25	7.98	3.01	51.4	-	1.04	1.25	51.4
1975	-	1.40	4.78	9.49	15.3	62.3	-	0.85	1.41	6.78	3.79	47.8	-	0.85	1.41	47.8
1980	-	1.13	4.43	9.35	17.9	61.9	-	0.69	1.48	6.39	5.08	46.3	-	0.69	1.48	46.3
1985	-	0.96	4.58	8.39	20.7	62.1	-	0.52	1.47	5.63	7.98	39.7	-	0.52	1.47	39.7
1990	-	0.90	3.52	7.82	18.3	53.0	-	0.52	1.29	5.00	7.40	33.2	-	0.52	1.29	33.2
1995	-	0.90	2.93	7.30	17.7	53.1	-	0.48	1.21	4.62	7.32	32.7	-	0.48	1.21	32.7
2000	-	0.93	2.10	6.56	13.6	46.0	-	0.44	0.93	4.11	7.19	27.8	-	0.44	0.93	27.8

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: IRELAND

Trends in ALL CANCER mortality attributed and not attributed to smoking



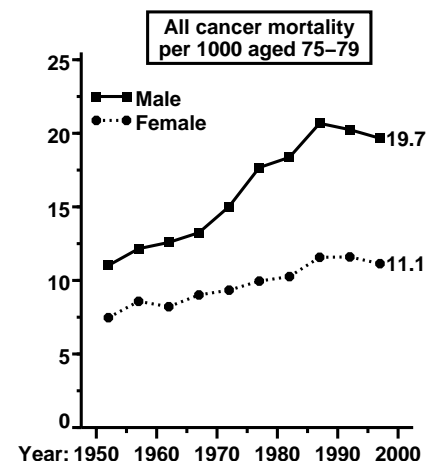
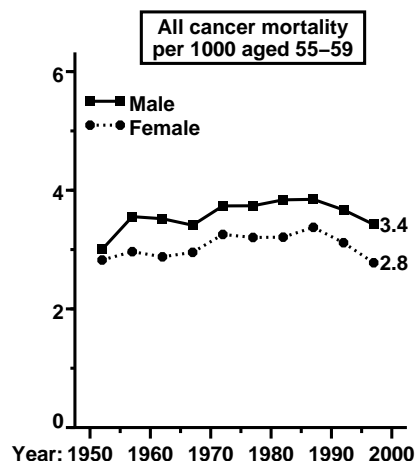
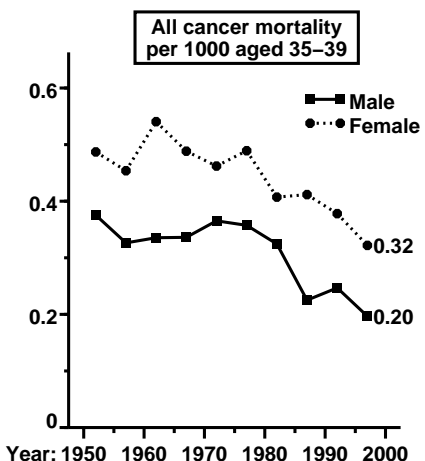
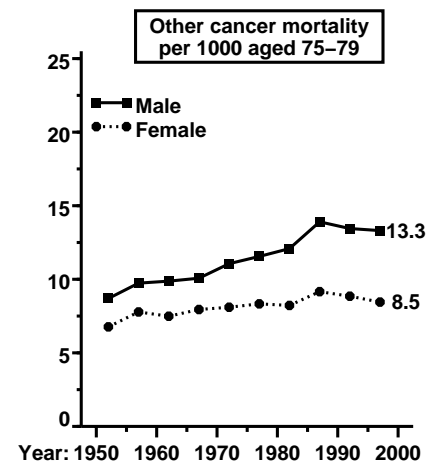
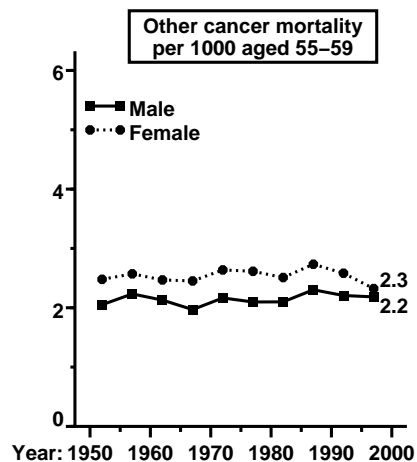
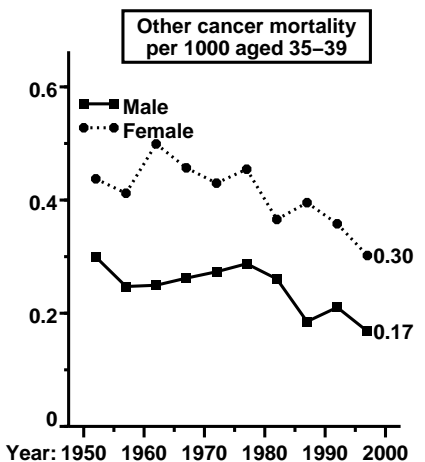
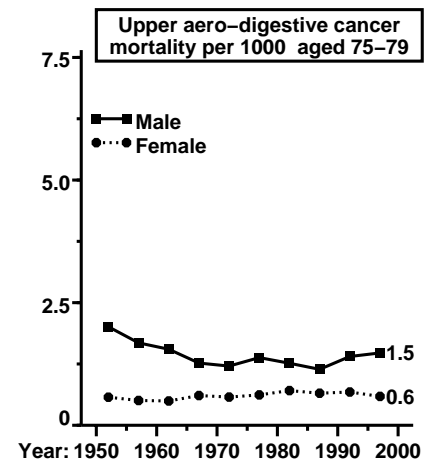
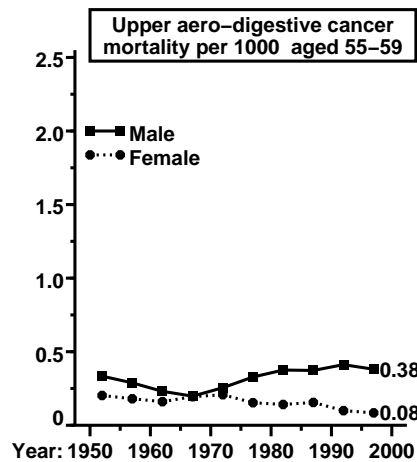
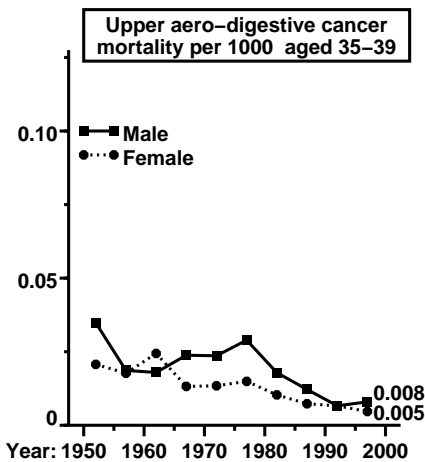
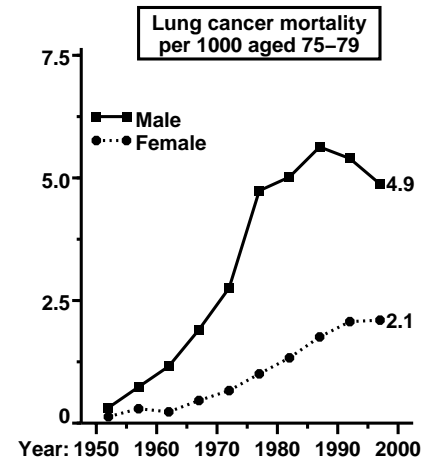
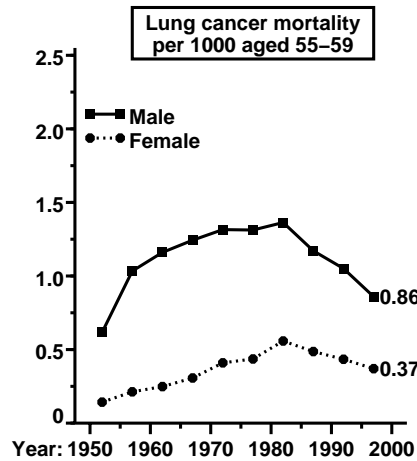
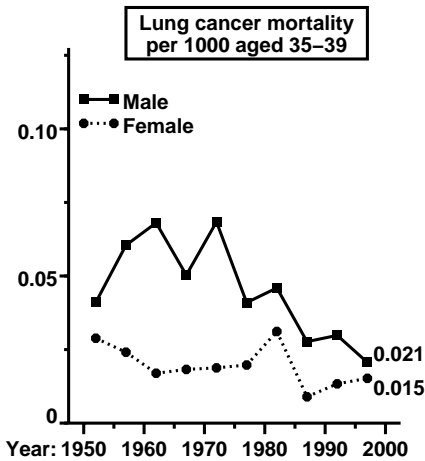
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	-	0.09	0.37	2.44	0.05	9.42	-	0.10	0.00	2.53	0.00	6.79	-	0.09		
1955	-	0.12	0.73	2.11	0.60	10.8	-	0.09	0.13	2.36	0.00	7.75	-	0.09		
1960	-	0.11	1.05	1.96	1.06	9.20	-	0.09	0.14	2.49	0.01	7.71	-	0.09		
1965	-	0.12	1.20	1.85	2.25	10.5	-	0.10	0.16	2.26	0.28	7.75	-	0.10		
1970	-	0.11	1.50	1.80	3.00	9.72	-	0.10	0.27	2.45	0.55	8.03	-	0.10		
1975	-	0.11	1.56	1.95	5.02	9.09	-	0.07	0.40	2.50	0.85	8.17	-	0.07		
1980	-	0.08	1.50	1.91	5.83	10.2	-	0.08	0.42	2.34	1.08	7.78	-	0.08		
1985	-	0.08	1.70	1.90	6.77	10.1	-	0.07	0.45	2.24	1.94	7.57	-	0.07		
1990	-	0.06	1.42	1.91	6.75	10.3	-	0.07	0.45	2.18	2.28	7.72	-	0.07		
1995	-	0.05	1.26	1.99	6.66	11.3	-	0.05	0.44	2.15	2.11	7.66	-	0.05		
2000	-	0.06	1.03	1.97	5.97	10.6	-	0.05	0.39	2.07	2.39	7.24	-	0.05		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

IRELAND: 1950-2000

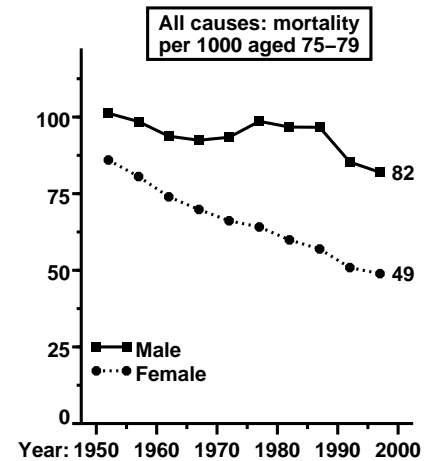
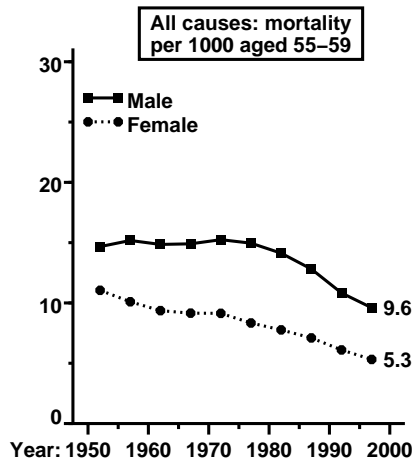
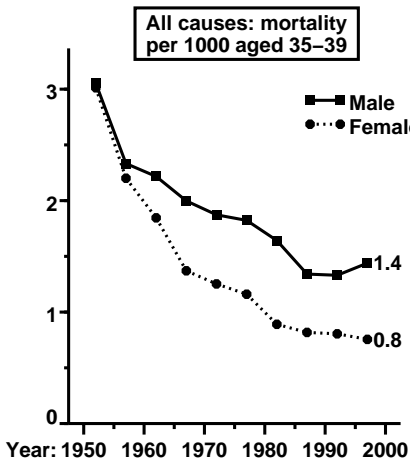
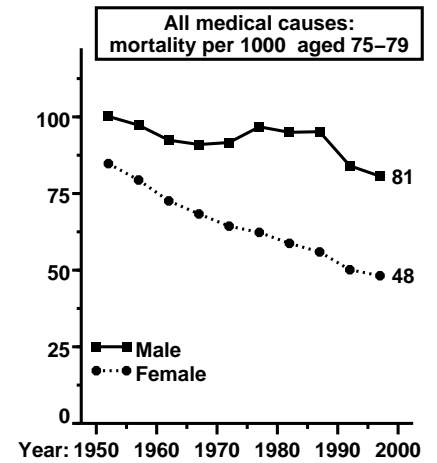
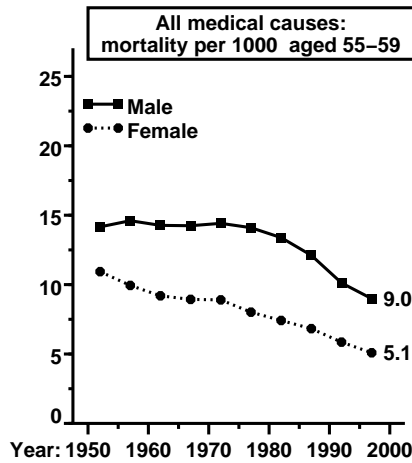
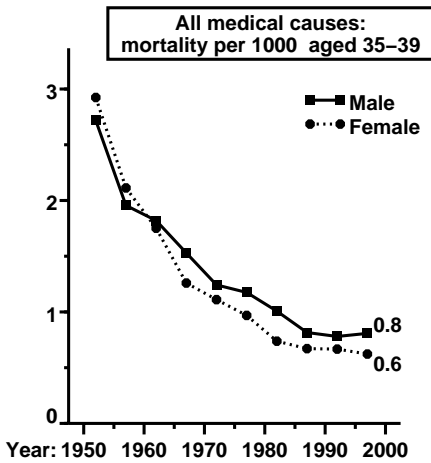
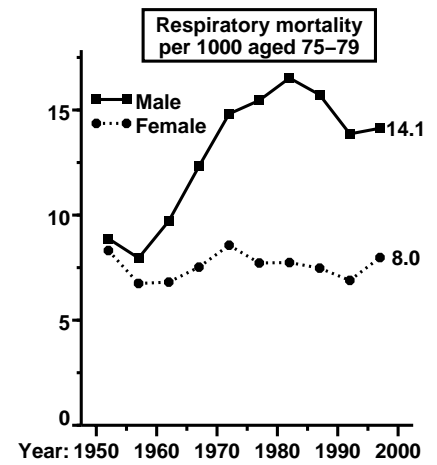
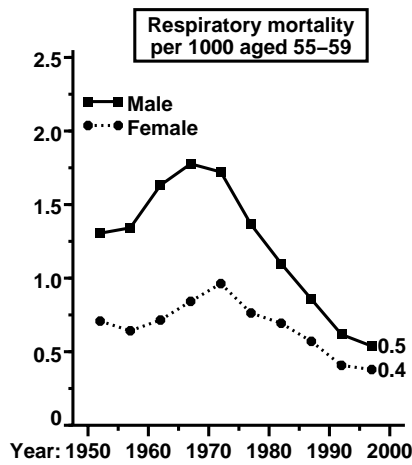
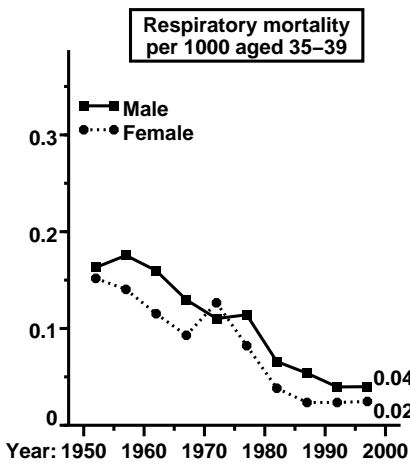
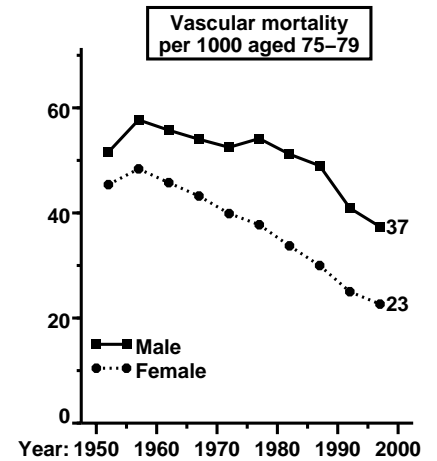
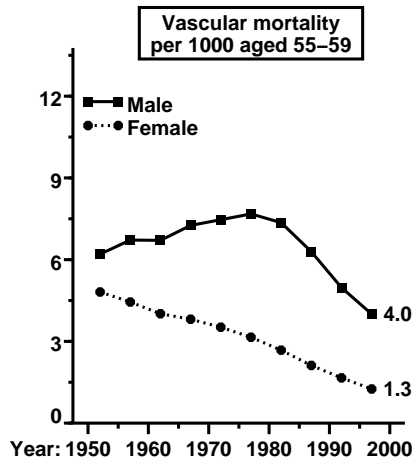
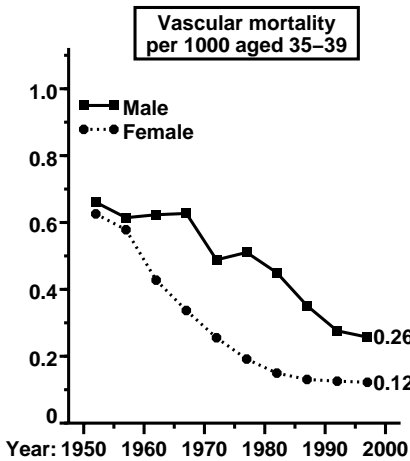
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 236-237

1950-2000: IRELAND

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 236-237

ITALY: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	280714	9096	80788	778.0	70.0	711.3	112.7	14.1	17.3	59.1	92.3	96.1	98.0
	F	279407	4111	42847	471.7	35.7	341.8	102.7	10.5	12.9	23.2	28.4	31.8	40.2
Tuberculosis	M	302	5	95	0.8	0.0	0.8	-	-	-	0.1	0.1	0.0	0.0
	F	192	6	37	0.3	0.0	0.3	-	-	-	0.1	-	0.1	0.1
HIV	M	775	134	632	2.5	0.8	4.4	0.1	0.1	0.1	-	0.1	0.8	4.6
	F	200	62	137	0.7	0.4	0.9	0.3	0.1	-	0.1	0.1	0.6	1.7
Other infective and parasitic	M	1498	54	650	4.3	0.4	5.6	0.8	0.1	0.1	0.2	0.4	0.5	0.7
	F	1617	47	377	3.1	0.4	3.0	1.3	0.3	0.1	0.3	0.1	0.3	0.6
ALL CANCER	M	88288	891	34763	244.6	6.7	310.5	2.6	5.3	4.3	6.8	7.9	8.4	11.7
	F	65143	766	21953	131.2	5.8	174.4	3.0	3.9	3.2	4.5	4.7	8.0	13.2
Mouth and pharynx cancer	M	2117	18	1299	6.3	0.1	11.2	-	0.1	0.1	-	0.3	0.3	0.1
	F	749	13	288	1.6	0.1	2.3	0.1	-	0.1	0.1	-	0.1	0.3
Oesophagus cancer	M	1564	3	790	4.4	0.0	7.0	-	-	-	-	-	0.0	0.1
	F	456	2	142	0.9	0.0	1.1	-	-	-	-	-	-	0.1
Stomach cancer	M	6492	34	2368	17.8	0.2	21.2	-	-	-	0.1	0.1	0.6	0.7
	F	4786	24	1149	8.7	0.2	9.1	-	-	-	0.1	0.2	0.3	0.5
Colorectal cancer	M	8807	30	3202	24.2	0.2	28.7	-	-	-	0.1	0.3	0.3	0.7
	F	7839	25	2119	14.6	0.2	16.9	-	-	0.1	0.1	0.2	0.4	0.5
Liver cancer	M	3879	10	1821	10.8	0.1	16.4	0.1	-	-	0.1	-	0.1	0.2
	F	1611	5	443	3.0	0.0	3.6	0.1	-	-	-	0.1	0.0	0.1
Pancreas cancer	M	3934	8	1804	11.1	0.0	16.0	-	-	-	-	-	0.1	0.2
	F	4178	7	1197	7.9	0.0	9.7	-	-	-	-	0.1	0.1	0.2
Larynx cancer	M	1737	1	785	4.9	0.0	7.0	-	-	-	-	-	-	0.0
	F	156	1	50	0.3	0.0	0.4	-	-	-	-	-	-	0.0
Lung cancer	M	25503	29	11243	70.6	0.2	101.3	-	-	-	0.1	0.1	0.2	0.9
	F	6031	19	2269	12.5	0.1	18.1	-	0.1	0.1	0.1	0.1	0.2	0.4
Malignant melanoma	M	780	42	422	2.3	0.3	3.5	-	-	-	0.3	0.3	0.5	0.9
	F	659	30	293	1.5	0.2	2.3	0.1	-	-	-	0.3	0.5	0.6
Female breast cancer	F	11354	117	5423	25.8	0.7	42.6	-	-	-	-	0.1	1.2	3.8
Cervix cancer	F	359	9	213	0.9	0.1	1.6	-	-	-	-	-	0.1	0.3
Other uterine cancer	F	2361	6	906	4.9	0.0	7.2	-	-	-	-	0.1	0.1	0.1
Ovarian cancer	F	2877	18	1367	6.5	0.1	10.9	-	-	-	0.1	0.1	0.0	0.6
Prostate cancer	M	6941	5	1017	18.2	0.0	9.5	-	0.1	-	0.1	0.1	-	0.0
Bladder cancer	M	3977	1	1087	10.6	0.0	10.0	-	-	-	-	-	0.0	-
	F	1025	2	156	1.7	0.0	1.3	-	-	-	0.1	-	-	0.0
Other and ill-defined cancer sites	M	15757	374	6267	44.1	2.9	55.5	1.7	2.9	1.9	2.6	3.6	3.4	4.2
	F	14497	245	4044	27.9	2.0	32.3	1.6	2.5	1.7	2.2	1.6	2.2	2.5
Hodgkin's disease	M	200	25	97	0.6	0.2	0.8	-	0.1	-	0.3	0.2	0.4	0.3
	F	167	25	72	0.4	0.2	0.5	-	-	0.1	0.2	0.4	0.4	0.2
Myeloma and non-Hodgkin lymphomas	M	3721	105	1581	10.5	0.8	13.9	0.3	0.3	0.5	0.6	1.1	1.0	1.6
	F	3679	77	1119	7.3	0.6	9.0	0.2	0.1	0.3	0.4	0.6	1.0	1.2
Leukaemia	M	2879	206	980	8.2	1.7	8.5	0.5	1.9	1.9	2.6	1.9	1.2	1.8
	F	2359	141	703	4.9	1.1	5.5	0.9	1.2	0.9	1.2	1.0	1.2	1.7
Diabetes	M	6998	26	1911	18.8	0.2	17.3	0.1	-	0.1	0.2	0.1	0.2	0.6
	F	10650	14	1345	17.0	0.1	11.0	0.2	0.1	0.1	-	0.1	0.1	0.2
ALL VASCULAR DISEASE	M	107433	660	23237	290.6	4.7	207.1	3.4	1.2	1.9	3.3	4.0	7.5	11.6
	F	132997	316	9670	199.0	2.4	78.2	2.7	0.8	1.7	1.3	1.9	3.9	4.6
Rheumatic heart disease and fever	M	501	12	176	1.4	0.1	1.6	-	-	0.1	0.1	0.2	0.2	0.1
	F	1180	11	261	2.1	0.1	2.1	-	-	0.1	0.1	0.1	0.2	0.1
Hypertensive disease	M	7391	7	1292	19.8	0.0	11.7	-	-	-	-	-	0.1	0.2
	F	13650	5	824	20.1	0.0	6.7	0.1	-	0.1	-	-	-	0.1
Ischaemic heart disease	M	38498	90	10840	104.9	0.6	96.4	-	-	0.1	0.3	0.3	1.0	2.4
	F	34988	10	2943	53.1	0.1	24.0	-	0.1	-	-	0.1	0.1	0.2
Pulmonary embolism and other venous	M	927	10	249	2.5	0.1	2.2	-	-	-	-	0.1	0.1	0.3
	F	1609	16	250	2.7	0.1	2.0	0.1	-	-	0.1	0.1	0.3	0.3
Cerebrovascular disease	M	27383	95	4152	73.0	0.7	37.5	0.4	0.5	0.3	0.3	0.4	1.2	1.6
	F	39962	88	2636	59.3	0.6	21.2	0.1	0.1	0.5	0.1	0.6	1.4	1.5
Other vascular disease	M	32733	446	6528	89.0	3.2	57.8	3.0	0.7	1.3	2.6	3.0	5.0	7.0
	F	41608	186	2756	61.8	1.5	22.2	2.5	0.7	1.1	1.0	1.0	1.9	2.4
Chronic obstructive pulmonary disease	M	12361	34	1542	32.5	0.3	14.3	0.2	0.1	0.2	0.3	0.3	0.4	0.4
	F	6637	25	534	10.1	0.2	4.3	0.2	-	0.1	0.1	0.1	0.3	0.5
Other respiratory disease	M	9562	139	1480	25.7	1.1	13.2	2.1	0.2	0.4	0.9	1.0	1.6	1.4
	F	9222	74	765	14.1	0.7	6.1	2.0	0.4	0.2	0.4	0.4	0.5	0.6
Peptic ulcer	M	916	3	220	2.5	0.0	1.9	0.1	-	-	-	0.1	-	0.0
	F	889	2	84	1.4	0.0	0.7	-	-	-	-	-	-	0.1
Liver cirrhosis	M	6695	61	3729	19.4	0.4	32.2	-	0.1	-	-	-	0.4	2.2
	F	4602	31	1608	9.3	0.2	12.9	-	-	-	0.1	0.1	0.4	0.8
Renal disease	M	2510	18	460	6.7	0.1	4.1	0.2	-	-	-	0.1	0.2	0.3
	F	2706	21	375	4.4	0.2	3.0	-	-	0.1	0.1	0.3	0.4	0.2
Pregnancy, birth	F	16	7	9	0.0	0.0	0.1	-	-	-	-	-	0.1	0.2
Congenital and perinatal causes	M	1471	1261	131	7.9	13.1	1.0	86.3	0.8	0.7	1.0	0.9	0.9	0.8
	F	1267	1057	114	7.0	11.6	0.9	77.0	0.4	1.3	1.0	0.6	0.5	0.6
Ill-defined causes	M	3370	511	1009	10.0	3.7	8.1	4.4	0.3	0.4	2.6	4.7	7.0	6.6
	F	3849	141	314	6.2	1.2	2.4	3.5	0.1	0.4	0.4	1.2	1.3	1.4
Other medical causes	M	22747	988	5056	62.5	7.3	43.9	8.4	2.4	2.5	5.1	7.9	11.6	13.4
	F	29108	473	3710	47.8	3.9	29.6	7.5	2.1	2.7	2.3	2.6	4.3	5.9
ALL NON-MEDICAL CAUSES	M	15788	4311	5873	49.2	31.1	46.8	4.1	3.6	6.7	38.7	64.8	56.7	43.4
	F	10312	1069	1815	20.1	8.5	13.9	4.9	2.2	2.8	12.6	16.2	10.9	9.6
Motor vehicle traffic accidents	M	5523	2530	2058	18.2	18.5	16.2	1.7	1.3	3.5	27.4	41.3	32.4	21.7
	F	1739	641	624	5.2	5.1	4.7	2.0	1.3	1.5	8.9	11.8	5.9	4.5
Fire	M	189	28	74	0.6	0.2	0.6	0.1	-	-	0.1	0.5	0.4	0.3
	F	140	12	43	0.3	0.1	0.3	0.3	0.1	-	-	0.1	0.0	0.2
Suicide	M	3062	698	1561	9.6	4.8	12.4	-	-	0.6	3.7	9.3	9.8	10.0
	F	1046	177	560	2.9	1.3	4.2	-	-	0.1	1.7	1.5	2.5	3.0
Homicide	M	450	196	223	1.5	1.4	1.7	0.1	0.3	-	1.1	2.6	3.0	2.4
	F	149	50	72	0.5	0.4	0.5	0.2	0.1	0.1	0.2	0.8	0.7	0.5
POPULATION:			M=male											
(1000s; UN, 2002 revision)			F=female											
					27906	12258	12813	1353	1428	1442	1560	1851	2255	2370
					29631	11786	13402	1274	1352	1374	1494			

2000: ITALY

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
129.8	171.2	269.6	442.3	744.2	1195.7	2026.6	3356.1	5531.1	13746.2	M	ALL CAUSES	001-999/A00-Y89
60.1	97.0	147.3	236.9	363.0	556.7	931.3	1639.2	3059.0	10903.8	F		
0.3	0.3	0.1	0.5	0.6	1.7	2.3	3.8	9.1	10.2	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.0	0.1	0.3	0.1	0.4	0.2	0.9	1.5	3.3	5.3	F		
11.2	8.9	4.4	2.4	2.1	1.0	0.9	0.7	-	-	M	HIV	279.5, 279.6/B20-B24
2.8	2.1	0.7	0.4	-	0.1	0.4	0.1	-	-	F		
2.0	2.7	2.4	3.9	5.8	7.6	14.8	19.2	27.2	43.5	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.7	0.6	0.8	1.9	3.1	5.4	8.5	14.7	23.4	42.6	F		
21.1	43.9	90.5	184.1	351.2	568.9	913.6	1348.3	1856.3	2693.7	M	ALL CANCER	140-208/C00-C97
25.6	53.0	84.8	140.3	207.3	296.7	413.5	596.4	843.6	1425.9	F		
0.9	2.7	6.5	10.6	16.4	17.1	24.4	24.7	25.5	37.3	M	Mouth and pharynx cancer	140-149/C00-C14
0.5	1.2	1.1	2.7	2.3	3.4	4.7	5.7	8.0	16.5	F		
0.2	0.9	2.2	5.4	8.3	13.6	18.3	24.8	27.2	31.2	M	Oesophagus cancer	150/C15
0.0	0.2	0.2	0.6	1.2	2.5	3.3	3.5	5.5	12.0	F		
1.3	3.6	6.3	11.6	22.9	39.4	63.1	98.4	139.2	225.9	M	Stomach cancer	151/C16
1.9	2.9	3.7	6.4	8.6	15.6	24.7	41.5	64.0	138.0	F		
1.5	3.7	8.0	16.4	32.5	54.1	84.4	124.2	193.3	319.9	M	Colorectal cancer	153, 154/C18-C21
2.0	3.7	7.1	13.2	20.0	28.8	43.7	65.7	107.6	211.3	F		
0.4	1.5	3.9	8.9	16.5	32.5	51.3	66.4	84.1	67.4	M	Liver cancer	155.0/C22 excl C221
0.1	0.4	0.9	1.0	3.5	6.5	12.9	22.3	26.8	29.6	F		
0.9	2.6	4.6	9.9	21.2	29.7	43.4	58.7	77.0	98.8	M	Pancreas cancer	157/C25
0.7	1.0	2.7	5.3	11.4	19.3	27.3	42.4	63.2	95.8	F		
0.4	1.0	2.3	4.8	8.8	12.9	18.5	25.3	34.5	46.0	M	Larynx cancer	161/C32
0.0	0.1	0.2	0.7	0.5	0.4	0.9	2.0	2.1	2.9	F		
2.7	8.6	24.3	57.1	118.7	187.0	310.4	455.8	536.9	535.6	M	Lung cancer	162/C33, C34
1.1	4.7	9.1	13.2	24.1	30.3	44.5	64.6	84.6	104.3	F		
1.1	1.8	2.4	3.9	4.5	5.2	5.7	7.5	12.0	16.1	M	Malignant melanoma	172/C43
1.0	1.9	1.6	2.3	2.7	2.9	3.4	5.1	6.8	10.8	F		
7.5	18.0	27.6	43.0	55.0	71.1	75.9	94.2	115.5	182.6	F	Female breast cancer	174/C50
0.7	1.3	1.3	2.0	1.6	2.0	2.4	2.4	3.2	3.7	F	Cervix cancer	180/C53
1.2	2.2	3.4	5.6	7.7	12.3	18.0	22.3	30.0	45.6	F	Other uterine cancer	179, 182/C54, C55
0.8	2.6	6.0	10.5	15.7	17.7	22.9	28.0	33.5	39.4	F	Ovarian cancer	183/C56, C570-C574
0.2	0.2	0.5	1.7	5.6	18.0	40.4	82.5	170.4	463.4	M	Prostate cancer	185/C61
0.2	0.9	1.0	3.3	8.7	19.4	36.3	61.2	98.3	173.3	M	Bladder cancer	188/C67
-	0.2	0.3	0.6	0.9	2.5	4.4	8.9	13.3	36.1	F		
6.1	10.3	19.8	35.8	60.7	99.4	156.3	226.8	323.6	475.1	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
4.8	7.7	12.6	22.7	37.2	55.7	85.5	127.8	192.5	368.8	F		
0.4	0.3	0.9	0.4	1.2	0.9	1.5	2.1	3.6	2.9	M	Hodgkin's disease	201/C81
0.5	0.5	0.4	0.3	0.5	0.7	0.8	1.4	1.8	1.5	F		
2.7	2.9	4.4	8.9	16.4	24.9	36.9	52.7	73.8	100.8	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.2	2.0	3.7	6.1	8.7	15.3	25.7	38.4	55.9	74.0	F		
2.1	2.7	3.3	5.3	8.9	14.7	22.7	37.2	57.0	100.1	M	Leukaemia	204-208/C91-C95
1.4	2.4	2.9	4.1	5.7	9.9	12.5	20.2	29.1	53.0	F		
0.6	1.8	3.7	8.9	17.9	30.2	58.0	97.5	164.9	328.5	M	Diabetes	250/E10-E14
0.3	1.3	1.3	3.9	9.1	18.1	43.0	81.1	151.1	393.8	F		
17.9	39.1	75.7	125.8	209.7	343.5	638.1	1180.4	2152.0	6820.0	M	ALL VASCULAR DISEASE	390-459/I00-199
8.3	14.4	22.8	39.8	69.7	125.3	266.9	591.0	1343.4	6304.1	F		
0.2	0.3	0.4	0.7	2.0	2.9	4.4	8.0	10.0	17.3	M	Rheumatic heart disease and fever	390-398/I00-109
0.1	0.3	0.5	1.3	2.7	3.5	6.3	10.8	20.6	30.2	F		
0.3	1.5	3.5	6.9	10.9	18.9	39.6	78.6	152.6	515.0	M	Hypertensive disease	401-405/I10-I15
0.3	0.6	1.4	3.6	6.3	10.8	23.9	57.9	137.2	663.4	F		
6.2	16.2	37.2	61.8	104.5	165.4	283.9	488.3	801.2	1977.5	M	Ischaemic heart disease	410-414/I20-I25
1.2	2.7	5.2	9.6	22.4	40.7	86.0	194.6	401.2	1553.5	F		
0.4	0.9	0.8	1.6	1.8	3.5	6.1	11.2	20.8	47.3	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.5	0.4	0.8	1.2	1.5	3.5	6.2	10.0	21.4	59.1	F		
3.0	6.2	10.9	19.4	32.5	60.0	130.2	273.2	576.3	2001.2	M	Cerebrovascular disease	430-438/I60-169
2.8	5.4	7.7	12.2	17.3	31.4	71.7	163.4	414.8	1917.1	F		
7.9	13.9	22.9	35.4	58.0	92.7	173.8	321.1	591.1	2261.7	M	Other vascular disease	Rest of 390-459/ rest of I00-199
3.5	4.9	7.2	11.9	19.5	35.4	72.9	154.2	348.3	2080.8	F		
0.6	1.2	1.9	4.6	10.1	23.9	57.5	136.0	309.5	868.9	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.1	0.4	0.9	2.6	3.5	7.2	15.6	34.4	73.1	300.1	F		
2.7	3.3	4.8	6.9	11.8	19.0	43.7	94.8	191.3	693.5	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.3	1.9	2.5	3.9	5.5	9.3	18.4	35.2	77.6	447.4	F		
0.2	0.5	1.0	1.5	2.0	3.3	5.0	10.2	19.0	54.5	M	Peptic ulcer	531-533/K25-K27
0.0	0.1	0.2	0.5	0.3	1.1	2.4	4.3	9.8	39.8	F		
7.0	10.2	17.2	24.0	36.1	54.1	76.8	91.6	102.9	119.9	M	Liver cirrhosis	571/K70, K74
2.1	2.7	5.3	7.8	14.1	21.4	36.9	52.7	71.2	77.1	F		
0.4	0.8	1.3	2.7	3.5	6.4	13.6	28.8	56.1	161.2	M	Renal disease	580-590/N00-N19
0.3	0.4	0.8	1.7	2.9	4.8	10.4	17.3	32.4	105.5	F		
0.3	0.1	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
0.7	0.5	1.4	1.2	1.5	1.0	0.8	2.2	3.0	3.5	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.5	0.8	0.7	0.8	1.1	0.9	1.4	0.8	2.4	3.4	F		
7.9	5.6	6.3	5.8	7.4	9.9	14.0	17.8	30.4	185.7	M	Ill-defined causes	780-799/R00-R99
1.8	1.1	1.4	1.7	2.8	3.3	5.0	9.1	17.1	199.3	F		
15.6	15.5	18.1	25.8	38.8	68.9	124.7	231.4	468.5	1324.7	M	Other medical causes	Rest of 001-799/ rest of A00-R99
6.1	8.0	13.8	18.8	29.8	46.9	83.8	161.9	331.9	1180.0	F		
41.5	36.7	40.9	44.1	45.5	56.2	62.9	93.3	140.9	438.4	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
10.0	10.0	11.0	12.7	13.3	16.0	24.1	38.9	78.7	379.6	F		
17.2	13.9	14.7	15.7	15.0	17.6	19.1	23.4	35.9	45.2	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
3.9	4.1	4.0	4.5	4.8	4.5	7.4	9.3	10.9	11.9	F		
0.6	0.3	0.4	0.6	0.6	0.8	0.8	1.2	2.7	6.5	M	Fire	E890-E899/X00-X09
0.4	0.3	0.1	0.2	0.5	0.4	0.5	1.1	1.2	3.4	F		
10.4	10.6	11.5	12.8	12.0	14.2	15.3	20.4	24.4	46.2	M	Suicide	E950-E959/X60-X84
3.3	3.5	4.0	4.7	4.1	5.0	5.1	5.9	8.2	6.9	F		
2.4	1.8	2.6	1.7	1.2	1.2	0.8	0.8	1.1	1.5	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.1	0.5	0.5	0.3	0.3	0.4	0.5	0.4	0.9	0.6	F		
2295	2012	1869	1935	1630	1641	1432	1207	893	734	M	POPULATION	
2284	2020	1897	1985	1721	1807	1687	1568	1362	1514	F	(1000s; UN, 2002 revision)	

ITALY: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	13112	994	40	25	929	54	191	814	114	5877	5068
35-69	Sm.	32122	18479	12489	2375	3615	1532	413	8133	-	3565	-
	Total	93584 (34%)	38964 (47%)	13431 (93%)	3613 (66%)	21920 (16%)	1935 (79%)	1449 (29%)	28095 (29%)	4744	11895 (30%)	6502
70+	Sm.	38929	17014	11222	1488	4304	7893	777	10179	-	3066	-
	Total	179700 (22%)	46511 (37%)	12270 (91%)	2431 (61%)	31810 (14%)	10693 (74%)	6465 (12%)	82644 (12%)	3249	24665 (12%)	5473
Any age	Sm.	71051	35493	23711	3863	7919	9425	1190	18312	-	6631	-
	Total	286396 (25%)	86469 (41%)	25741 (92%)	6069 (64%)	54659 (14%)	12682 (74%)	8105 (15%)	111553 (16%)	8107	42437 (16%)	17043
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	9096	891	29	22	840	34	139	660	61	3000	4311
35-69	Sm.	24721	14842	10276	1742	2824	1157	366	5767	-	2589	-
	Total	80788 (31%)	34763 (43%)	11243 (91%)	2874 (61%)	20646 (14%)	1542 (75%)	1480 (25%)	23237 (25%)	3729	10164 (25%)	5873
70+	Sm.	41945	19423	13011	1541	4871	8001	951	10196	-	3374	-
	Total	190830 (22%)	52634 (37%)	14231 (91%)	2522 (61%)	35881 (14%)	10785 (74%)	7943 (12%)	83536 (12%)	2905	27423 (12%)	5604
Any age	Sm.	66666	34265	23287	3283	7695	9158	1317	15963	-	5963	-
	Total	280714 (24%)	88288 (39%)	25503 (91%)	5418 (61%)	57367 (13%)	12361 (74%)	9562 (14%)	107433 (15%)	6695	40587 (15%)	15788

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	27805	13119	12182	2007	1871	1954	1668	1722	1562	1399	1137	574	792
2000	27906	12258	12813	2295	2012	1869	1935	1630	1641	1432	1207	893	734
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	286396	13112	93584	3609	3833	6029	8532	14804	22846	33931	43427	35111	101162
2000	280714	9096	80788	2978	3444	5040	8556	12132	19625	29013	40518	49415	100897
Lung cancer													
1995	25741	40	13431	67	210	637	1207	2261	3707	5342	5446	2975	3849
2000	25503	29	11243	63	173	454	1105	1935	3069	4444	5503	4797	3931
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	846.2*	94.5*	850.4*	179.9	204.8	308.6	511.5	859.8	1462.4	2425.9	3820.1	6114.8	12768.1
2000	778.0*	70.0*	711.3*	129.8	171.2	269.6	442.3	744.2	1195.7	2026.6	3356.1	5531.1	13746.2
All cancer													
1995	259.8*	7.2*	357.8*	25.3	51.6	108.8	218.3	390.4	663.6	1046.3	1442.6	1861.4	2451.5
2000	244.6*	6.7*	310.5*	21.1	43.9	90.5	184.1	351.2	568.9	913.6	1348.3	1856.3	2693.7
Lung cancer													
1995	78.0*	0.3*	124.3*	3.3	11.2	32.6	72.4	131.3	237.3	381.9	479.1	518.1	485.8
2000	70.6*	0.2*	101.3*	2.7	8.6	24.3	57.1	118.7	187.0	310.4	455.8	536.9	535.6
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	18.8*	0.2*	32.6*	2.1	6.5	14.2	24.9	41.5	60.1	78.9	86.8	93.0	114.9
2000	15.6*	0.2*	25.2*	1.4	4.6	11.1	20.7	33.6	43.7	61.2	74.7	87.2	114.6
Other cancer													
1995	163.0*	6.7*	200.9*	19.8	33.9	62.0	121.1	217.6	366.2	585.5	876.8	1250.3	1850.8
2000	158.4*	6.4*	184.0*	16.9	30.8	55.1	106.2	198.9	338.3	542.0	817.8	1232.1	2043.6
Chronic obstructive pulmonary disease (COPD)													
1995	35.4*	0.4*	18.5*	0.5	1.4	1.6	5.6	12.3	28.7	79.5	178.0	356.8	835.7
2000	32.5*	0.3*	14.3*	0.6	1.2	1.9	4.6	10.1	23.9	57.5	136.0	309.5	868.9
Other respiratory disease													
1995	22.9*	1.5*	13.5*	1.9	2.8	3.4	5.8	10.3	22.5	47.7	95.4	189.8	541.5
2000	25.7*	1.1*	13.2*	2.7	3.3	4.8	6.9	11.8	19.0	43.7	94.8	191.3	693.5
Vascular disease													
1995	318.2*	5.7*	258.9*	24.1	43.9	84.7	137.3	249.3	455.7	817.4	1427.7	2564.4	6523.9
2000	290.6*	4.7*	207.1*	17.9	39.1	75.7	125.8	209.7	343.5	638.1	1180.4	2152.0	6820.0
Liver cirrhosis													
1995	25.3*	0.7*	42.2*	8.7	12.6	20.8	33.3	51.8	75.0	93.5	115.5	134.1	147.2
2000	19.4*	0.4*	32.2*	7.0	10.2	17.2	24.0	36.1	54.1	76.8	91.6	102.9	119.9
Other medical causes													
1995	130.3*	44.9*	104.8*	74.6	46.3	44.9	61.3	91.0	152.7	263.2	450.7	827.2	1866.8
2000	116.1*	25.7*	87.3*	39.0	36.8	38.6	52.8	79.6	130.1	234.1	411.7	778.3	2111.7
All non-medical causes													
1995	54.4*	34.2*	54.6*	44.8	46.2	44.3	49.9	54.8	64.3	78.2	110.1	180.9	401.6
2000	49.2*	31.1*	46.8*	41.5	36.7	40.9	44.1	45.5	56.2	62.9	93.3	140.9	438.4

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: ITALY

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5569	856	34	19	803	23	120	466	41	2859	1204
35-69	Sm.	2822	1308	1059	84	165	223	36	787	-	468	-
	Total	48171	23132	2179	434	20519	611	572	12212	2074	7405	2165
		(6%)	(6%)	(49%)	(19%)	(1%)	(36%)	(6%)	(6%)		(6%)	
70+	Sm.	8629	2147	1621	175	351	2290	154	3035	-	1003	-
	Total	216554	37519	2955	736	33828	5579	6165	118877	3128	37644	7642
		(4%)	(6%)	(55%)	(24%)	(1%)	(41%)	(2%)	(3%)		(3%)	
Any age	Sm.	11451	3455	2680	259	516	2513	190	3822	-	1471	-
	Total	270294	61507	5168	1189	55150	6213	6857	131555	5243	47908	11011
		(4%)	(6%)	(52%)	(22%)	(1%)	(40%)	(3%)	(3%)		(3%)	
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	4111	766	19	16	731	25	74	316	31	1830	1069
35-69	Sm.	2712	1408	1140	101	167	193	50	631	-	430	-
	Total	42847	21953	2269	480	19204	534	765	9670	1608	6502	1815
		(6%)	(6%)	(50%)	(21%)	(1%)	(36%)	(7%)	(7%)		(7%)	
70+	Sm.	10683	2880	2192	231	457	2731	241	3568	-	1263	-
	Total	232449	42424	3743	865	37816	6078	8383	123011	2963	42162	7428
		(5%)	(7%)	(59%)	(27%)	(1%)	(45%)	(3%)	(3%)		(3%)	
Any age	Sm.	13395	4288	3332	332	624	2924	291	4199	-	1693	-
	Total	279407	65143	6031	1361	57751	6637	9222	132997	4602	50494	10312
		(5%)	(7%)	(55%)	(24%)	(1%)	(44%)	(3%)	(3%)		(3%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

			All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)															
1995			29497	12688	12857	2007	1889	1986	1730	1835	1741	1669	1538	878	1537
2000			29631	11786	13402	2284	2020	1897	1985	1721	1807	1687	1568	1362	1514
NUMBER OF DEATHS (Source: WHO)															
All causes															
1995			270294	5569	48171	1520	2028	3420	4621	7298	11105	18179	28985	30703	156866
2000			279407	4111	42847	1372	1959	2795	4703	6247	10060	15711	25695	41648	165106
Lung cancer															
1995			5168	34	2179	48	73	178	208	339	519	814	932	678	1345
2000			6031	19	2269	26	95	173	263	414	548	750	1012	1152	1579
ANNUAL DEATH RATE / 100,000															
All causes															
1995			496.8*	44.8*	392.5*	75.7	107.3	172.2	267.1	397.8	637.9	1089.4	1885.1	3496.9	10208.0
2000			471.7*	35.7*	341.8*	60.1	97.0	147.3	236.9	363.0	556.7	931.3	1639.2	3059.0	10903.8
All cancer															
1995			135.3*	6.1*	187.6*	31.3	54.9	99.1	152.7	215.5	308.7	451.2	616.0	846.9	1341.3
2000			131.2*	5.8*	174.4*	25.6	53.0	84.8	140.3	207.3	296.7	413.5	596.4	843.6	1425.9
Lung cancer															
1995			11.7*	0.2*	17.8*	2.4	3.9	9.0	12.0	18.5	29.8	48.8	60.6	77.2	87.5
2000			12.5*	0.1*	18.1*	1.1	4.7	9.1	13.2	24.1	30.3	44.5	64.6	84.6	104.3
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)															
1995			2.6*	0.1*	3.5*	0.3	0.6	1.7	3.6	4.5	5.7	8.2	11.7	13.4	28.5
2000			2.8*	0.1*	3.8*	0.6	1.5	1.4	3.9	4.0	6.3	8.9	11.2	15.6	31.4
Other cancer															
1995			121.1*	5.7*	166.3*	28.5	50.4	88.4	137.1	192.6	273.2	394.2	543.7	756.3	1225.2
2000			116.0*	5.5*	152.5*	23.9	46.7	74.3	123.2	179.2	260.2	360.2	520.6	743.3	1290.2
Chronic obstructive pulmonary disease (COPD)															
1995			10.3*	0.2*	5.1*	0.6	0.5	1.4	2.4	3.4	8.3	18.8	39.9	93.1	270.0
2000			10.1*	0.2*	4.3*	0.1	0.4	0.9	2.6	3.5	7.2	15.6	34.4	73.1	300.1
Other respiratory disease															
1995			11.2*	1.0*	4.7*	1.3	1.4	1.8	2.2	3.7	8.0	14.4	32.2	71.5	328.1
2000			14.1*	0.7*	6.1*	1.3	1.9	2.5	3.9	5.5	9.3	18.4	35.2	77.6	447.4
Vascular disease															
1995			213.1*	3.6*	100.7*	8.9	16.3	30.3	50.8	82.8	165.1	350.7	750.8	1672.4	6029.1
2000			199.0*	2.4*	78.2*	8.3	14.4	22.8	39.8	69.7	125.3	266.9	591.0	1343.4	6304.1
Liver cirrhosis															
1995			11.7*	0.3*	16.9*	2.2	4.0	6.0	10.4	20.2	30.1	45.6	65.3	86.4	88.8
2000			9.3*	0.2*	12.9*	2.1	2.7	5.3	7.8	14.1	21.4	36.9	52.7	71.2	77.1
Other medical causes															
1995			92.8*	25.0*	60.3*	20.9	18.5	22.2	32.3	54.6	97.2	176.4	334.7	624.5	1757.9
2000			87.9*	18.0*	51.9*	12.8	14.7	20.0	29.8	49.6	80.7	156.0	290.7	571.4	1969.8
All non-medical causes															
1995			22.5*	8.7*	17.2*	10.6	11.7	11.6	16.4	17.6	20.4	32.4	46.2	102.1	392.8
2000			20.1*	8.5*	13.9*	10.0	10.0	11.0	12.7	13.3	16.0	24.1	38.9	78.7	379.6

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

ITALY: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 9.1	– / 4.1	–
35–69	25 / 81	2.7 / 43	22 years
70+	42 / 191	11 / 232	8 years
All ages	67 / 281	13 / 279	13 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

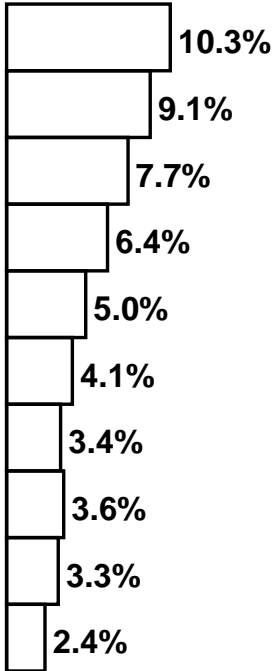
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	10/11	13/14	23/26	–/0.0	1.1/2.3	2.2/3.7	3.3/6.0
All Cancer	–/0.9	15/35 (43%)	19/53 (37%)	34/88	–/0.8	1.4/22 (6%)	2.9/42 (7%)	4.3/65
Vascular	–/0.7	5.8/23	10/84	16/107	–/0.3	0.6/9.7	3.6/123	4.2/133
Respiratory	–/0.2	1.5/3.0	9.0/19	10/22	–/0.1	0.2/1.3	3.0/14	3.2/16
All Other	–/7.4	2.6/20	3.4/36	6.0/63	–/2.9	0.4/9.9	1.3/53	1.7/65
All Causes	–/9.1	25/81 (31%)	42/191 (22%)	67/281	–/4.1	2.7/43 (6%)	11/232 (5%)	13/279

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	34 / 88 (39%)	4.3 / 65 (7%)	39 / 153 (25%)
All Causes	67 / 281 (24%)	13 / 279 (5%)	80 / 560 (14%)

1955-2000: ITALY

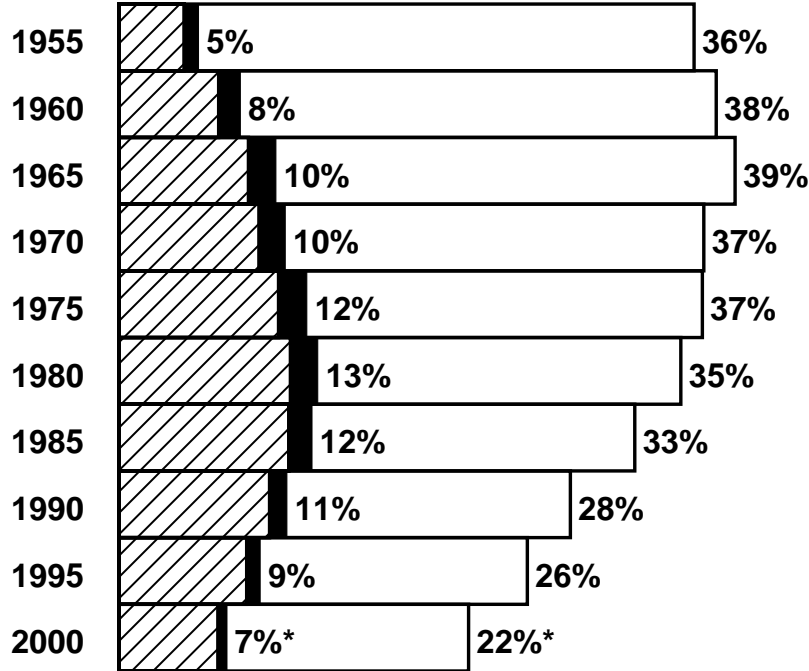
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

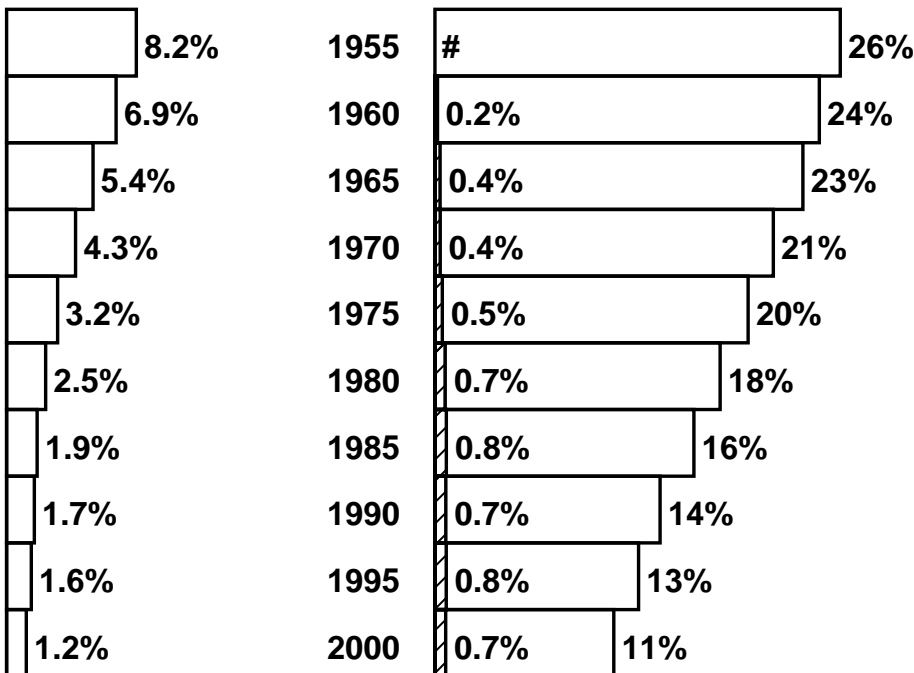
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 22 would die before age 70 (with 7 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

ITALY: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/45	14/88 (15%)	1.1/102 (1%)	15/234	-/34	0.0/67	0.0/112	0.0/212
1960	-/40	22/99 (22%)	3.1/116 (3%)	25/255	-/29	0.6/68 (0.8%)	0.1/129 (0.1%)	0.7/226
1965	-/35	30/113 (26%)	7.5/128 (6%)	37/275	-/24	1.1/70 (2%)	0.3/148 (0.2%)	1.4/243
1970	-/29	33/115 (29%)	14/133 (10%)	47/277	-/19	1.2/68 (2%)	0.7/157 (0.4%)	1.9/244
1975	-/22	39/121 (32%)	23/152 (15%)	62/295	-/13	1.7/66 (3%)	3.1/180 (2%)	4.8/259
1980	-/17	41/115 (36%)	30/162 (18%)	71/294	-/9.5	2.3/60 (4%)	3.5/190 (2%)	5.7/260
1985	-/13	39/103 (38%)	36/171 (21%)	75/287	-/6.8	2.5/53 (5%)	6.6/201 (3%)	9.1/261
1990	-/14	38/102 (37%)	35/166 (21%)	72/282	-/6.0	2.7/53 (5%)	7.5/203 (4%)	10/262
1995	-/13	32/94 (34%)	39/180 (22%)	71/286	-/5.6	2.8/48 (6%)	8.6/217 (4%)	11/270
2000	-/9.1	25/81 (31%)	42/191 (22%)	67/281	-/4.1	2.7/43 (6%)	11/232 (5%)	13/279

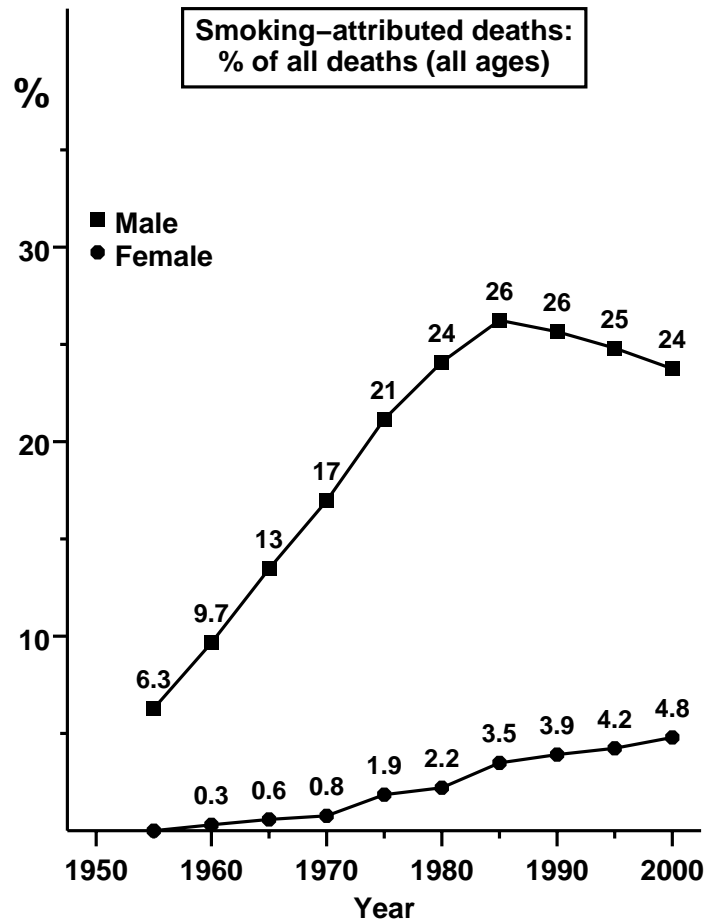
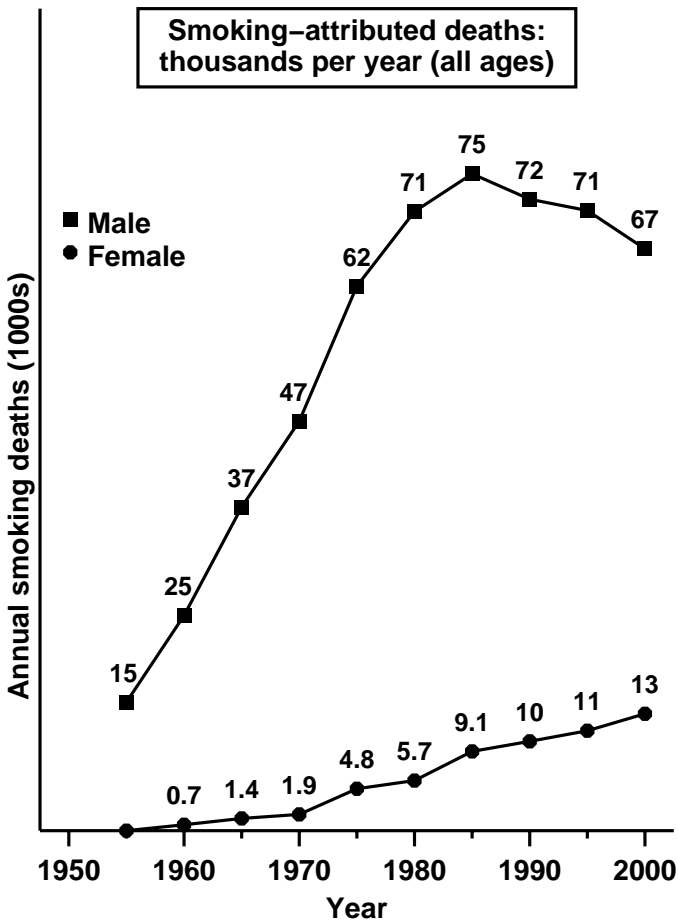
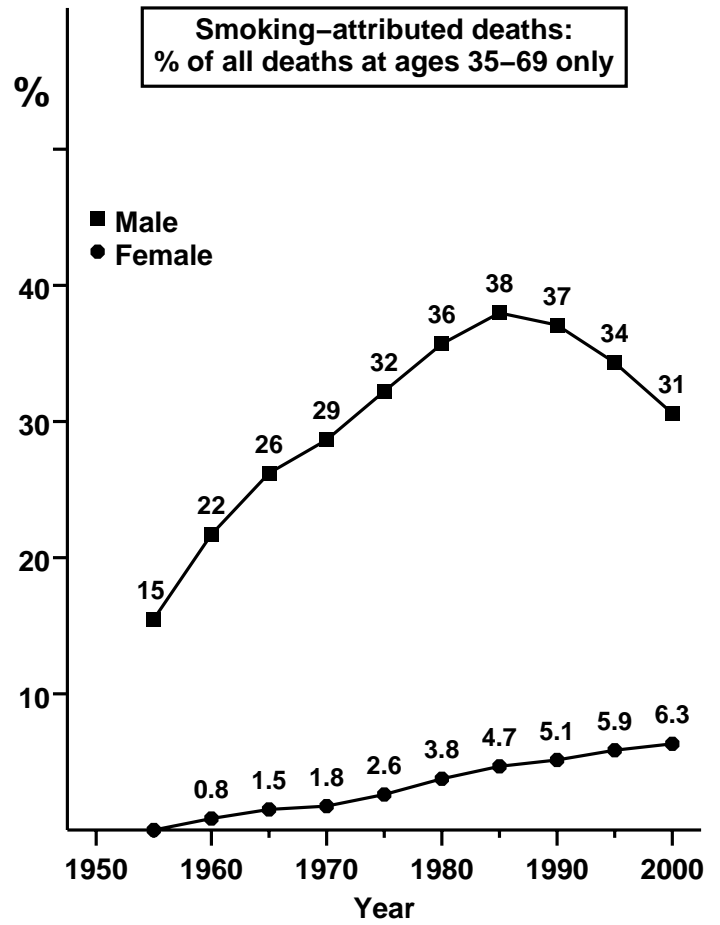
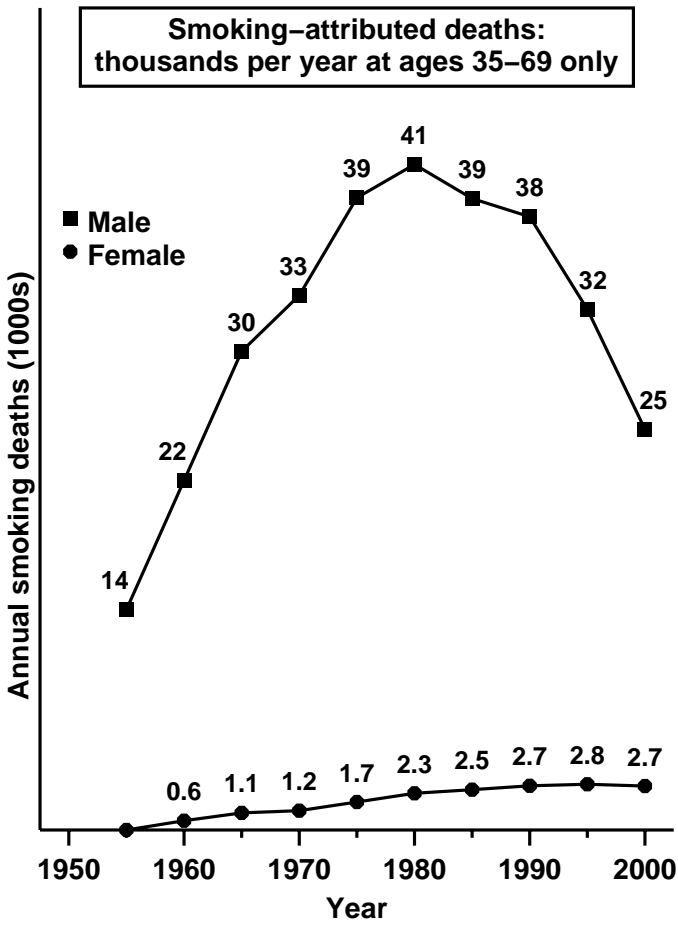
50-year total* (M=millions), mid-1950 to mid-2000: 2.9/ 26M

1950-2000 by age & sex:

-/1.3M	1.5/5.2M (30%)	1.1/7.3M (15%)	2.6/14M	-/0.8M	0.1/3.0M (3%)	0.2/8.6M (2%)	0.3/12M
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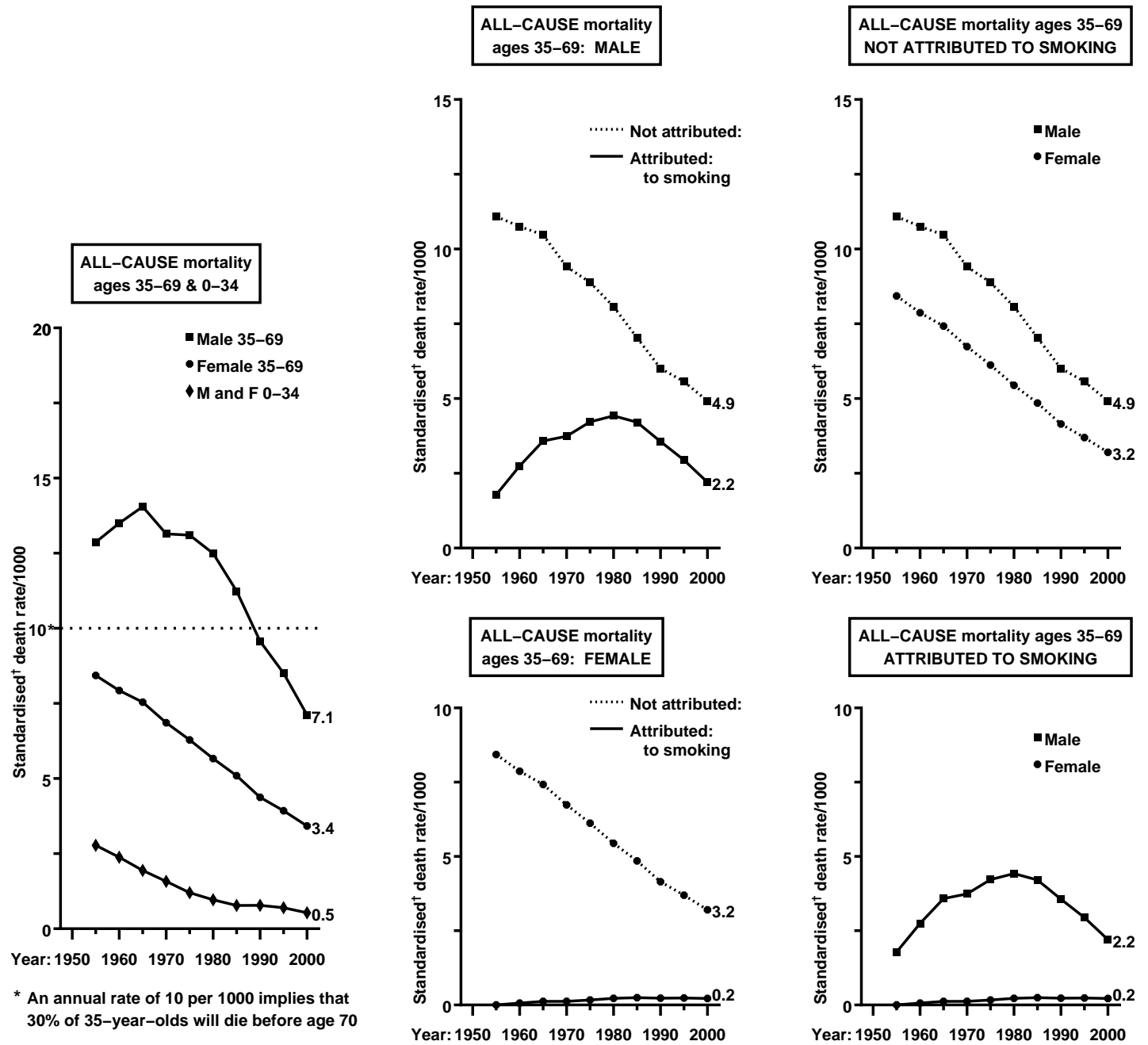
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: ITALY



ITALY: 1955-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

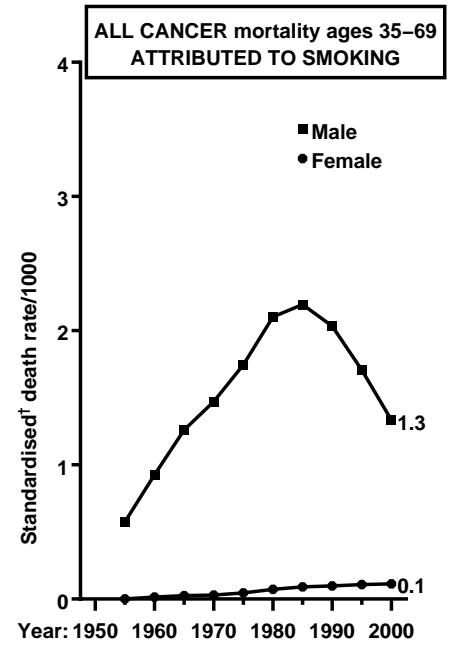
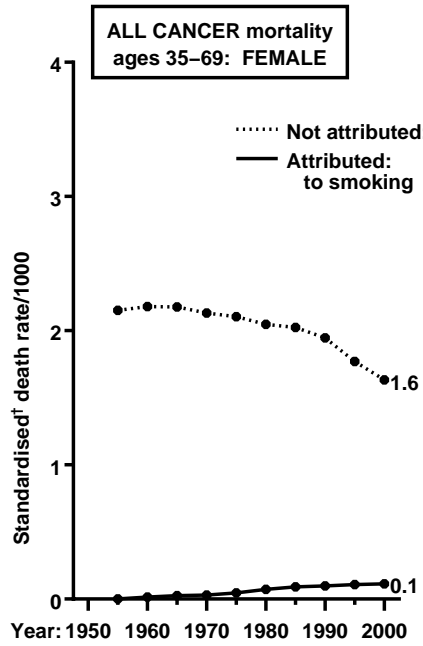
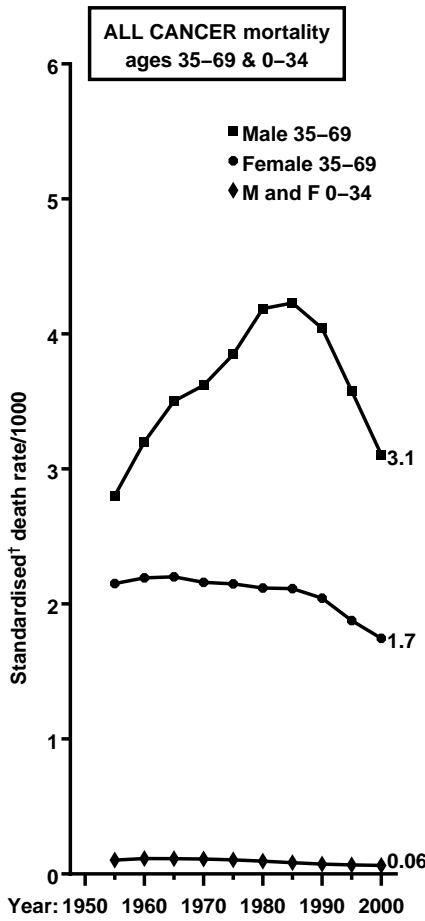
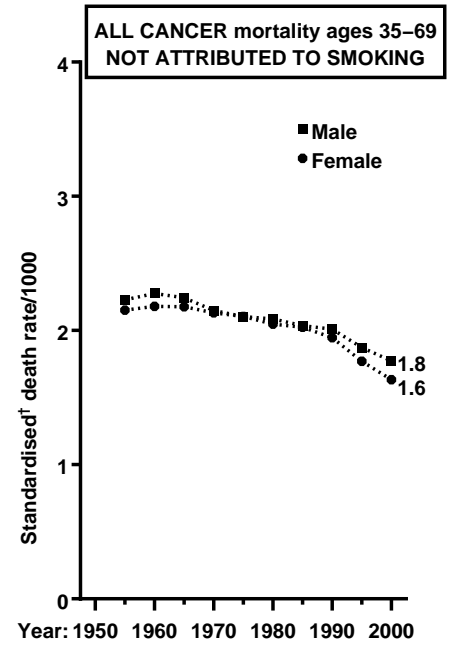
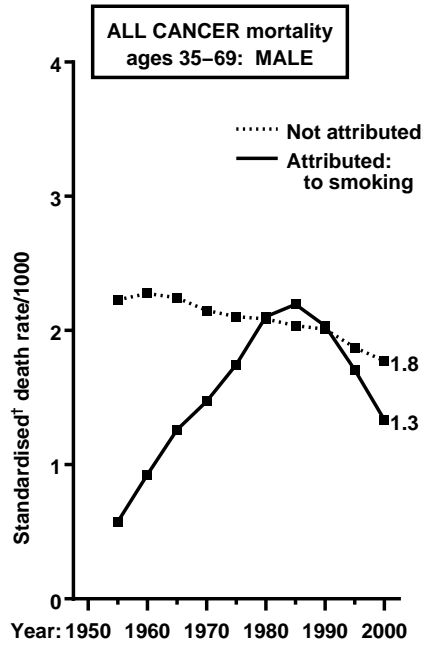
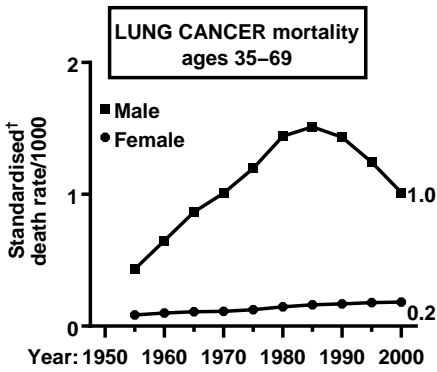
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	3.11	1.78	11.1	0.91	70.7	-	2.44	0.00	8.43	0.00	59.3	0.00	59.3	0.07	55.3
1960	-	2.71	2.74	10.8	2.27	68.1	-	2.04	0.06	7.87	0.07	55.3	0.21	54.1	0.32	48.6
1965	-	2.28	3.58	10.5	5.27	67.1	-	1.60	0.12	7.42	0.16	6.12	0.92	45.1	0.22	54.4
1970	-	1.88	3.74	9.40	8.86	61.9	-	1.27	0.12	6.73	0.22	5.44	0.89	39.2	0.24	4.85
1975	-	1.46	4.22	8.88	12.9	60.0	-	0.93	0.24	4.85	1.36	35.3	1.28	28.6	0.23	4.15
1980	-	1.21	4.42	8.07	13.9	53.4	-	0.71	0.23	3.69	1.30	25.6	0.45	0.95	2.94	5.56
1985	-	0.99	4.21	7.03	15.2	49.8	-	0.56	0.23	3.69	1.30	25.6	0.45	0.95	2.94	5.56
1990	-	1.05	3.56	6.01	12.9	40.8	-	0.50	0.23	3.69	1.30	25.6	0.45	0.95	2.94	5.56
1995	-	0.95	2.94	5.56	12.4	37.2	-	0.45	0.22	3.20	1.31	22.2	0.36	0.70	2.20	4.92
2000	-	0.70	2.20	4.92	11.4	33.0	-	0.36	0.22	3.20	1.31	22.2	0.36	0.70	2.20	4.92

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000: ITALY

Trends in ALL CANCER mortality attributed and not attributed to smoking



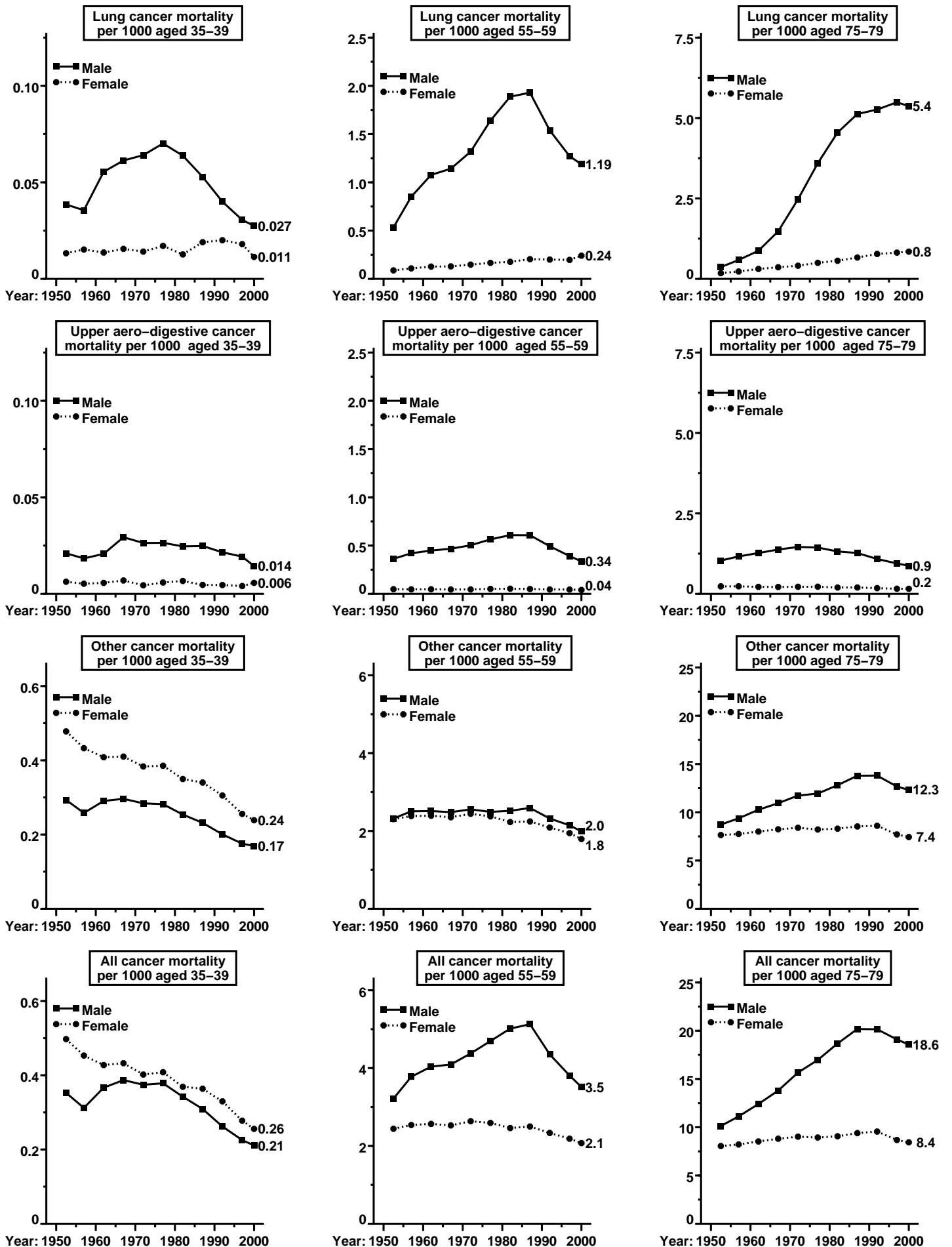
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955	-	0.11	0.57	2.23	0.29	9.68	-	0.10	0.00	2.15	0.00	7.26	-	0.01		
1960	-	0.12	0.93	2.27	0.72	10.2	-	0.11	0.01	2.18	0.01	7.71	-	0.03		
1965	-	0.12	1.26	2.24	1.66	10.4	-	0.10	0.02	2.18	0.03	7.88	-	0.06		
1970	-	0.12	1.47	2.15	3.04	10.7	-	0.10	0.03	2.13	0.06	7.55	-	0.18		
1975	-	0.11	1.74	2.10	4.55	10.5	-	0.09	0.04	2.10	0.18	7.57	-	0.22		
1980	-	0.10	2.10	2.08	5.75	10.4	-	0.09	0.07	2.05	0.22	7.53	-	0.39		
1985	-	0.09	2.19	2.03	6.86	11.0	-	0.08	0.09	2.02	0.39	7.79	-	0.43		
1990	-	0.08	2.03	2.01	6.48	10.6	-	0.07	0.10	1.95	0.43	7.32	-	0.48		
1995	-	0.07	1.71	1.87	6.58	9.94	-	0.06	0.11	1.77	0.48	6.84	-	0.55		
2000	-	0.07	1.33	1.77	6.45	9.58	-	0.06	0.11	1.63	0.55	6.65	-			

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

ITALY: 1951-2000

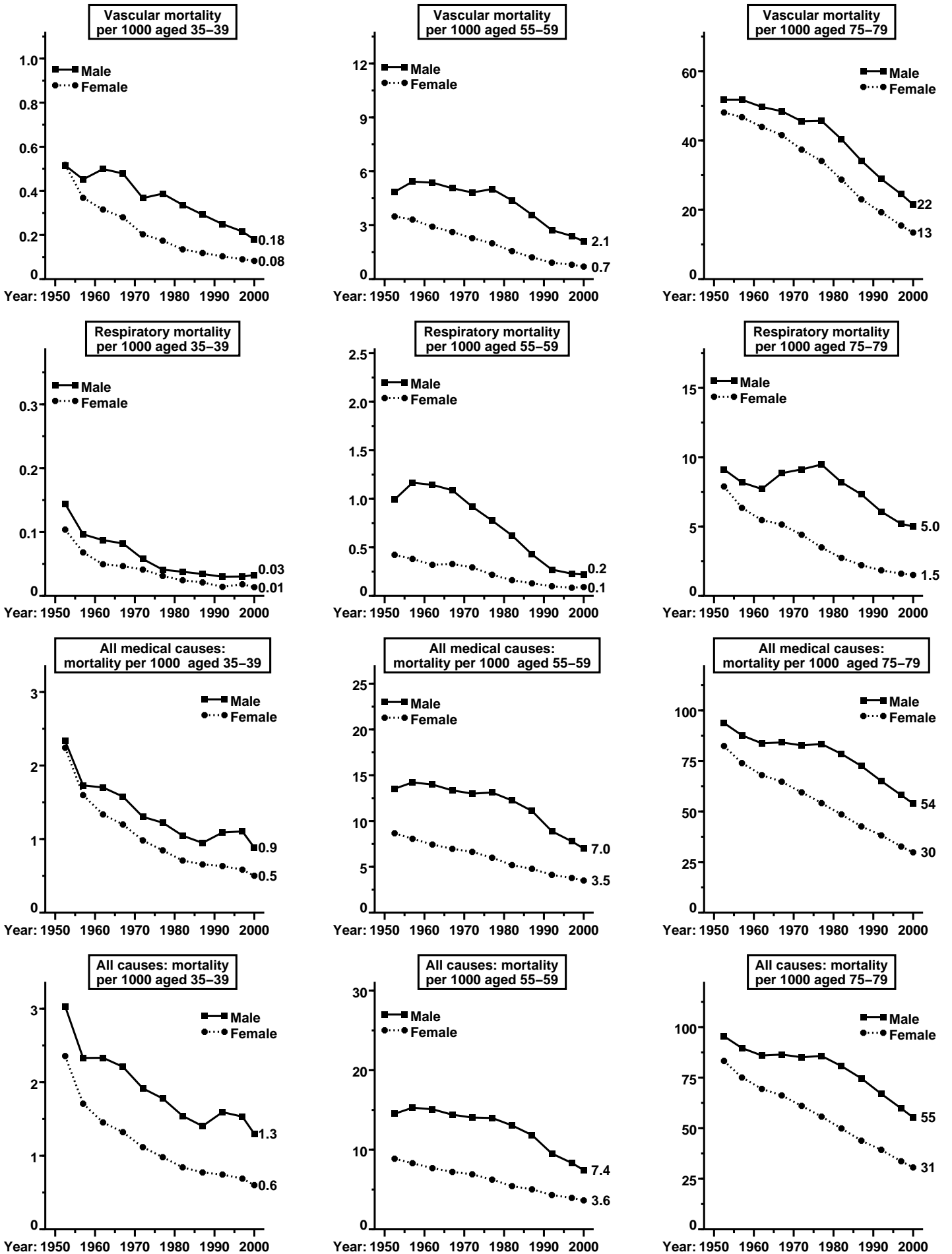
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1950–54,.....,1995–99; then year 2000 separately

1951-2000: ITALY

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

JAPAN: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	525903	15480	183729	683.7	54.6	676.8	94.3	14.3	14.7	44.8	65.3	64.7	84.1
	F	435750	8116	85105	358.1	31.1	294.7	79.3	10.3	7.9	18.4	27.7	31.7	42.5
Tuberculosis	M	3402	9	851	4.3	0.0	3.2	-	-	0.0	-	-	0.0	0.1
	F	1549	8	240	1.2	0.0	0.9	0.0	-	-	-	0.0	0.1	0.1
HIV	M	47	9	36	0.1	0.0	0.1	-	-	-	-	0.0	0.1	0.1
	F	3	-	2	0.0	-	0.0	-	-	-	-	-	-	-
Other infective and parasitic	M	7458	234	3112	9.8	0.9	11.4	3.4	0.5	0.3	0.4	0.4	0.6	0.9
	F	7399	174	1788	6.4	0.8	6.3	3.3	0.3	0.2	0.5	0.4	0.4	0.3
ALL CANCER	M	179140	1352	76454	228.2	4.6	286.4	2.5	2.7	2.2	3.6	4.5	5.9	10.9
	F	116344	1295	42212	109.5	4.5	145.0	1.9	1.8	1.8	2.7	3.6	6.4	13.0
Mouth and pharynx cancer	M	3610	39	2043	4.7	0.1	7.5	-	-	0.1	0.0	0.0	0.2	0.5
	F	1456	19	490	1.3	0.1	1.7	-	-	-	0.0	0.0	0.1	0.2
Oesophagus cancer	M	8706	2	4797	11.1	0.0	17.8	-	-	-	-	-	0.0	0.0
	F	1550	3	541	1.4	0.0	1.9	-	-	-	-	-	0.0	0.0
Stomach cancer	M	32798	120	13882	41.8	0.4	51.9	-	-	-	0.1	0.4	0.6	1.6
	F	17852	155	5863	16.3	0.5	20.1	-	-	-	0.1	0.2	1.0	2.2
Colorectal cancer	M	20002	104	9034	25.6	0.3	33.6	-	0.0	0.0	0.1	0.3	0.6	1.3
	F	16201	83	5408	14.7	0.3	18.6	-	-	-	0.1	0.3	0.4	1.1
Liver cancer	M	22375	66	12702	28.3	0.2	48.1	0.2	0.1	0.1	0.1	0.1	0.4	0.7
	F	9399	28	2944	8.4	0.1	10.6	0.1	-	-	-	0.1	0.2	0.3
Pancreas cancer	M	10380	24	4854	13.2	0.1	18.0	-	-	-	-	-	0.1	0.4
	F	8714	12	2637	7.7	0.0	9.2	-	-	-	-	-	0.1	0.2
Larynx cancer	M	958	1	362	1.2	0.0	1.4	-	-	-	-	-	0.0	-
	F	88	-	29	0.1	-	0.1	-	-	-	-	-	-	-
Lung cancer	M	39053	75	13852	49.3	0.2	52.4	-	0.0	0.0	0.1	0.1	0.2	1.3
	F	14671	41	4617	13.1	0.1	16.0	0.0	-	-	-	-	0.2	0.7
Malignant melanoma	M	244	16	118	0.3	0.1	0.4	-	-	-	0.0	0.0	0.1	0.2
	F	204	11	76	0.2	0.0	0.3	-	-	-	-	0.0	0.1	0.1
Female breast cancer	F	9171	126	6492	11.1	0.4	21.5	-	-	-	-	0.1	0.5	2.3
Cervix cancer	F	2393	85	1364	2.7	0.3	4.6	-	-	-	-	0.0	0.4	1.5
Other uterine cancer	F	2809	26	1255	2.8	0.1	4.2	-	-	-	-	0.1	0.2	0.3
Ovarian cancer	F	4058	76	2387	4.5	0.3	8.0	-	-	0.1	0.2	0.3	0.4	0.8
Prostate cancer	M	7514	-	1283	9.5	-	5.1	-	-	-	-	-	-	-
Bladder cancer	M	3184	2	784	4.0	0.0	3.0	-	-	-	-	0.0	-	0.0
	F	1496	2	225	1.1	0.0	0.8	-	-	-	-	-	0.0	0.0
Other and ill-defined cancer sites	M	19994	437	8120	25.7	1.6	30.3	1.2	1.4	0.8	1.7	1.7	1.5	2.4
	F	18495	317	5035	16.3	1.2	17.6	0.8	1.1	1.3	1.1	1.0	1.3	1.7
Hodgkin's disease	M	76	2	39	0.1	0.0	0.1	-	-	-	-	-	0.0	0.0
	F	51	5	18	0.1	0.0	0.1	-	-	-	0.0	0.0	0.0	0.0
Myeloma and non-Hodgkin lymphomas	M	6276	131	2595	8.1	0.4	9.6	0.1	0.2	0.3	0.4	0.5	0.7	0.9
	F	4940	73	1613	4.6	0.2	5.6	0.1	0.1	0.1	0.2	0.3	0.4	0.5
Leukaemia	M	3970	333	1989	5.3	1.2	7.2	1.0	0.9	0.9	1.2	1.2	1.5	1.5
	F	2796	233	1218	3.1	0.9	4.2	0.9	0.7	0.4	1.0	1.1	0.9	1.1
Diabetes	M	6489	64	2918	8.3	0.2	10.8	-	-	0.1	0.1	0.2	0.3	0.7
	F	5814	25	1119	4.7	0.1	3.9	0.0	-	-	-	0.1	0.2	0.2
ALL VASCULAR DISEASE	M	144629	1524	42933	186.2	5.1	158.3	4.0	0.8	1.5	2.8	5.0	7.7	13.8
	F	153709	645	18269	114.1	2.3	64.1	3.3	0.6	0.9	1.4	1.9	2.8	5.4
Rheumatic heart disease and fever	M	774	4	202	1.0	0.0	0.8	0.0	-	-	-	0.0	0.0	0.0
	F	1756	2	241	1.3	0.0	0.9	-	-	-	-	-	0.0	0.0
Hypertensive disease	M	2163	6	428	2.8	0.0	1.6	-	-	-	-	-	0.1	0.1
	F	3900	-	216	2.6	-	0.8	-	-	-	-	-	-	-
Ischaemic heart disease	M	37875	274	13462	48.6	0.9	49.6	0.1	0.0	0.1	0.3	0.8	1.6	3.2
	F	32308	64	4010	24.2	0.2	14.3	-	0.0	0.0	0.2	0.1	0.2	0.9
Pulmonary embolism and other venous	M	841	19	296	1.1	0.1	1.1	-	-	0.1	0.1	0.0	0.1	0.2
	F	1170	21	372	1.1	0.1	1.3	-	-	-	-	0.1	0.1	0.3
Cerebrovascular disease	M	63127	296	17191	81.0	1.0	63.5	0.4	0.2	0.1	0.4	0.7	1.4	3.4
	F	69402	180	8768	51.8	0.6	30.5	0.4	0.2	0.4	0.4	0.4	0.8	1.7
Other vascular disease	M	39849	925	11354	51.7	3.1	41.8	3.5	0.6	1.2	2.0	3.3	4.5	6.9
	F	45173	378	4662	33.1	1.4	16.4	3.0	0.4	0.5	0.8	1.2	1.6	2.4
Chronic obstructive pulmonary disease	M	12722	123	1577	16.2	0.4	6.2	0.6	0.3	0.3	0.3	0.5	0.5	0.5
	F	6448	68	642	4.8	0.2	2.3	0.2	0.1	0.1	0.2	0.3	0.2	0.5
Other respiratory disease	M	62822	436	8817	80.4	1.7	34.0	5.7	0.9	0.9	0.7	1.0	1.0	1.7
	F	52509	366	3465	36.9	1.5	12.3	5.5	1.0	0.6	0.7	0.6	0.8	1.5
Peptic ulcer	M	2161	14	812	2.8	0.0	3.0	0.1	0.0	-	0.0	0.0	-	0.2
	F	1708	4	183	1.2	0.0	0.6	-	0.0	-	-	0.0	-	0.0
Liver cirrhosis	M	9285	82	7018	12.4	0.3	24.8	0.0	0.0	0.1	-	0.0	0.3	1.4
	F	3715	22	1473	3.6	0.1	5.1	-	-	-	-	0.0	0.1	0.4
Renal disease	M	9115	46	1834	11.7	0.2	6.9	0.4	-	0.1	0.1	-	0.2	0.4
	F	10749	33	1017	7.7	0.1	3.6	0.3	-	0.0	0.1	0.1	0.1	0.3
Pregnancy, birth	F	84	58	25	0.1	0.2	0.1	-	-	-	0.1	0.1	0.3	0.9
Congenital and perinatal causes	M	1973	1615	185	4.5	7.3	0.7	46.7	1.1	0.7	0.8	0.6	0.5	0.5
	F	1854	1421	173	4.2	6.8	0.6	44.2	1.0	0.5	0.6	0.6	0.4	0.2
Ill-defined causes	M	9098	411	1363	12.3	1.7	4.8	8.6	0.1	0.1	0.3	0.9	0.8	1.1
	F	17450	245	417	11.6	1.1	1.4	6.3	0.0	0.0	0.3	0.4	0.4	0.3
Other medical causes	M	28254	1094	9273	37.0	4.1	34.1	8.8	2.0	2.6	3.4	3.4	3.5	4.8
	F	31918	823	5610	26.2	3.2	19.5	6.5	2.0	1.7	2.0	3.0	3.2	3.8
ALL NON-MEDICAL CAUSES	M	49308	8467	26546	69.5	28.1	92.0	13.5	5.7	5.8	32.5	48.7	43.3	47.0
	F	24497	2929	8470	25.9	10.2	28.8	7.6	3.3	2.0	9.9	16.7	16.4	15.7
Motor vehicle traffic accidents	M	7963	2741	3359	11.6	9.2	11.8	1.9	2.2	1.6	18.0	19.2	11.7	9.8
	F	3476	575	1374	4.0	2.1	4.7	0.8	1.3	0.6	4.1	4.4	2.0	1.5
Fire	M	883	86	427	1.2	0.3	1.5	0.8	0.5	0.2	0.1	0.2	0.2	0.4
	F	533	61	184	0.6	0.2	0.6	0.2	0.3	0.3	0.2	0.3	0.1	0.2
Suicide	M	21656	3784	14912	31.0	11.9	50.7	-	-	1.7	8.7	21.3	23.6	28.2
	F	8595	1574	4512	10.7	5.1	15.2	-	-	0.5	3.8	9.4	11.2	11.1
Homicide	M	426	136	249	0.7	0.5	0.9	1.2	0.4	0.2	0.6	0.2	0.4	0.6
	F	342	116	155	0.5	0.5	0.5	1.0	0.4	0.1	0.3	0.6	0.5	0.3
POPULATION:			M=male											
(1000s; UN, 2002 revision)			F=female											
					62178	27284	29116	3109	3072	3352	3839	4402	5053	4457
					64856	26141	29717	2946	2926	3192				

2000: JAPAN

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
112.5	174.1	293.1	460.7	742.4	1133.1	1821.4	2881.7	4646.7	11488.3	M	ALL CAUSES	001-999/A00-Y89
60.4	94.1	148.0	224.0	318.8	465.8	751.5	1246.3	2279.0	7488.3	F		
0.4	0.5	1.3	1.9	3.9	4.3	9.8	22.2	41.7	84.0	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.0	0.1	0.1	0.2	0.6	1.5	3.6	7.4	11.9	23.3	F		
0.1	0.1	0.1	0.2	0.2	0.1	0.0	0.0	0.1	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	0.0	0.0	-	-	-	0.0	F		
1.7	2.7	5.7	7.9	12.7	18.8	30.6	43.8	61.1	128.8	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.6	1.1	2.1	3.0	6.3	10.1	21.2	28.1	48.9	100.9	F		
18.8	41.4	86.0	167.3	309.1	510.9	871.0	1262.7	1716.8	2640.6	M	ALL CANCER	140-208/C00-C97
26.6	46.3	79.2	123.4	169.6	230.0	340.2	483.6	695.9	1216.2	F		
0.7	1.5	3.6	5.4	9.7	12.7	18.6	21.1	27.8	34.3	M	Mouth and pharynx cancer	140-149/C00-C14
0.4	0.6	0.9	1.6	1.7	3.0	3.5	5.7	7.7	17.3	F		
0.3	1.3	4.7	10.9	24.6	34.9	47.9	60.4	69.6	78.1	M	Oesophagus cancer	150/C15
0.1	0.3	0.8	1.3	2.3	3.6	4.7	5.7	7.9	19.0	F		
3.4	7.7	16.1	30.8	57.3	91.4	156.5	226.5	305.3	516.7	M	Stomach cancer	151/C16
4.0	7.9	13.3	17.0	22.2	32.5	43.8	66.2	104.2	216.5	F		
2.0	5.1	10.3	21.1	39.2	63.0	94.4	133.1	172.0	299.4	M	Colorectal cancer	153, 154/C18-C21
1.8	3.9	7.8	15.2	23.3	33.1	45.3	69.0	93.6	187.6	F		
1.4	4.6	11.6	25.8	48.5	86.0	158.6	165.4	163.8	170.4	M	Liver cancer	155.0/C22 excl C221
0.4	0.5	1.3	3.5	7.6	19.2	41.9	60.2	71.0	82.8	F		
0.9	2.4	6.1	11.8	21.1	33.6	50.1	71.8	97.5	133.4	M	Pancreas cancer	157/C25
0.4	1.4	3.2	5.5	10.7	16.1	27.3	40.9	62.0	97.5	F		
-	0.1	0.2	0.6	1.6	2.5	4.7	7.2	9.9	16.1	M	Larynx cancer	161/C32
0.0	-	0.0	0.1	0.1	0.2	0.3	0.2	0.5	1.2	F		
2.4	7.4	14.1	28.0	51.5	90.0	173.4	309.0	460.3	625.9	M	Lung cancer	162/C33, C34
1.8	3.8	5.8	12.7	18.1	26.9	42.8	62.7	98.2	169.0	F		
0.2	0.2	0.2	0.3	0.4	0.9	0.9	1.1	1.2	4.0	M	Malignant melanoma	172/C43
0.1	0.1	0.4	0.2	0.3	0.2	0.5	0.7	1.0	2.1	F		
7.2	12.4	20.0	28.2	29.8	26.5	26.3	24.7	27.9	32.3	F	Female breast cancer	174/C50
2.6	2.9	4.6	4.9	5.8	5.5	5.6	7.8	9.8	13.6	F	Cervix cancer	180/C53
0.9	1.0	2.4	4.1	6.6	6.6	8.1	10.7	13.9	25.5	F	Other uterine cancer	179, 182/C54, C55
1.8	3.5	6.9	9.6	11.2	10.2	12.7	14.6	16.9	21.5	F	Ovarian cancer	183/C56, C570-C574
0.0	0.1	0.3	0.9	3.3	8.6	22.5	49.8	83.4	233.4	M	Prostate cancer	185/C61
0.1	0.3	0.6	1.6	2.8	5.4	9.9	21.6	35.9	81.6	M	Bladder cancer	188/C67
-	0.1	0.1	0.5	0.9	1.3	2.6	4.7	9.5	26.9	F		
3.5	5.2	10.1	18.8	31.0	55.0	88.3	130.1	197.1	316.1	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
2.6	4.2	6.6	11.5	18.4	29.5	50.4	74.3	121.9	235.0	F		
0.1	0.1	0.1	0.1	0.2	0.1	0.3	0.4	0.7	0.8	M	Hodgkin's disease	201/C81
-	0.1	0.0	0.1	0.0	0.1	0.2	0.1	0.4	0.4	F		
1.3	2.2	4.1	5.4	11.0	15.9	27.6	43.3	63.0	91.1	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.0	1.6	2.2	3.9	6.1	9.3	15.4	23.9	35.0	49.1	F		
2.6	3.2	3.9	5.8	6.8	10.8	17.3	21.9	29.3	39.2	M	Leukaemia	204-208/C91-C95
1.3	2.0	2.9	3.5	4.4	6.2	8.9	11.3	14.3	19.0	F		
1.1	2.6	4.3	6.7	11.4	20.5	29.1	41.1	55.8	99.7	M	Diabetes	250/E10-E14
0.3	0.8	1.5	2.0	4.3	6.9	11.7	22.6	40.3	89.5	F		
22.6	39.0	70.2	108.3	168.1	268.3	431.9	751.0	1361.1	3817.8	M	ALL VASCULAR DISEASE	390-459/I00-I99
8.2	15.3	25.7	40.7	61.9	103.6	193.0	374.5	810.5	3126.7	F		
-	0.0	0.2	0.3	1.0	1.8	2.0	4.1	6.7	23.0	M	Rheumatic heart disease and fever	390-398/I00-I09
-	0.1	0.2	0.4	0.9	1.7	2.8	5.3	10.0	33.3	F		
0.2	0.3	0.6	1.3	1.6	2.6	4.5	8.5	15.5	82.0	M	Hypertensive disease	401-405/I10-I15
0.0	0.1	0.2	0.3	0.6	1.2	3.0	4.9	12.7	97.9	F		
6.0	10.8	20.1	34.7	54.9	86.1	134.8	216.5	353.5	832.2	M	Ischaemic heart disease	410-414/I20-I25
1.3	2.2	4.2	6.9	12.1	24.7	48.5	94.9	196.7	618.2	F		
0.2	0.4	0.6	0.4	1.4	1.9	2.8	4.9	8.5	16.9	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.3	0.6	1.1	1.0	1.1	2.1	2.8	4.3	7.3	14.0	F		
7.5	14.2	28.8	43.3	67.1	106.2	177.1	323.7	616.3	1775.3	M	Cerebrovascular disease	430-438/I60-I69
3.7	7.8	13.8	22.7	32.5	47.3	85.5	168.3	360.9	1404.0	F		
8.6	13.2	19.9	28.2	42.2	69.8	110.6	193.3	360.6	1088.3	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
2.8	4.5	6.2	9.5	14.7	26.6	50.6	96.8	223.0	959.3	F		
0.8	1.0	1.2	1.9	4.0	9.4	24.8	72.1	155.3	432.5	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.6	0.5	1.1	1.0	1.7	3.4	7.7	16.6	37.7	130.0	F		
2.7	4.5	7.2	13.1	26.7	58.9	125.0	282.1	618.3	2361.7	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.5	2.3	3.3	5.6	10.5	20.7	42.5	95.0	234.0	1213.5	F		
0.3	0.8	1.7	2.3	3.1	4.8	7.9	11.4	19.0	47.5	M	Peptic ulcer	531-533/K25-K27
0.0	0.1	0.3	0.3	0.6	1.2	2.0	4.1	8.1	36.2	F		
3.9	8.6	16.2	24.6	34.0	42.8	43.5	37.3	34.2	42.5	M	Liver cirrhosis	571/K70, K74
0.8	1.7	2.6	3.8	5.8	8.1	12.9	18.3	25.2	30.5	F		
0.7	1.3	2.3	3.6	6.4	11.3	22.9	42.9	88.2	305.8	M	Renal disease	580-590/N00-N19
0.2	0.4	1.1	2.0	2.7	6.7	12.2	24.2	54.3	230.8	F		
0.4	0.2	-	0.0	0.0	-	-	-	-	0.0	F	Pregnancy, birth	630-676/A34, O00-O99
0.4	0.3	0.5	0.6	0.6	0.8	1.3	1.7	2.9	5.4	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.4	0.4	0.4	0.6	0.6	0.7	1.0	1.6	2.2	4.6	F		
1.8	2.0	3.2	4.3	6.2	7.2	9.2	14.0	35.0	416.6	M	Ill-defined causes	780-799/R00-R99
0.5	0.6	0.9	1.1	1.6	1.9	3.3	8.2	23.8	486.1	F		
7.2	10.4	15.6	22.8	35.6	56.7	90.7	151.6	255.6	638.4	M	Other medical causes	Rest of 001-799/ rest of A00-R99
4.6	6.8	9.8	13.3	19.2	31.4	51.7	92.3	173.5	554.6	F		
50.2	58.9	77.5	95.2	120.3	118.5	123.7	147.8	201.6	466.9	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
15.6	17.5	20.1	27.0	33.2	39.7	48.4	69.8	112.6	245.1	F		
7.5	8.3	9.5	10.9	12.7	16.6	17.0	23.8	33.3	45.8	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
1.9	2.6	2.6	3.7	5.6	7.2	9.4	14.0	19.7	17.9	F		
0.5	0.7	1.0	1.5	2.1	2.4	2.3	3.2	5.7	12.8	M	Fire	E890-E899/X00-X09
0.4	0.4	0.4	0.6	0.7	0.6	1.2	1.4	3.0	5.2	F		
32.4	36.4	48.5	59.0	72.3	58.4	48.2	41.4	39.8	80.0	M	Suicide	E950-E959/X60-X84
9.6	10.3	12.1	16.2	18.3	20.0	19.7	21.4	26.4	35.3	F		
0.5	0.6	0.9	1.0	1.0	0.8	1.1	0.6	0.6	1.0	M	Homicide	E960-E969/ X85-X99, Y00-Y09
0.4	0.4	0.5	0.4	0.5	0.9	0.6	0.7	0.7	0.9	F		
4109	3929	4484	5232	4290	3725	3347	2652	1591	1535	M	POPULATION	
4014	3868	4455	5240	4436	3964	3739	3219	2503	3277	F	(1000s; UN, 2002 revision)	

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Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	17950	1646	66	48	1532	267	622	1563	90	4586	9176
35-69	Sm.	30798	18689	11694	2789	4206	1481	1314	6304	-	3010	-
	Total	187677 (16%)	77913 (24%)	13921 (84%)	6518 (43%)	57474 (7%)	2446 (61%)	9437 (14%)	45816 (14%)	7483	21946 (14%)	22636
70+	Sm.	52815	25900	17293	2483	6124	8333	4488	10006	-	4088	-
	Total	295649 (18%)	80064 (32%)	19402 (89%)	4539 (55%)	56123 (11%)	11949 (70%)	46474 (10%)	101136 (10%)	2073	41378 (10%)	12575
Any age	Sm.	83613	44589	28987	5272	10330	9814	5802	16310	-	7098	-
	Total	501276 (17%)	159623 (28%)	33389 (87%)	11105 (47%)	115129 (9%)	14662 (67%)	56533 (10%)	148515 (11%)	9646	67910 (10%)	44387
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	15480	1352	75	42	1235	123	436	1524	82	3496	8467
35-69	Sm.	28631	18219	11479	2969	3771	923	1137	5660	-	2692	-
	Total	183729 (16%)	76454 (24%)	13852 (83%)	7202 (41%)	55400 (7%)	1577 (59%)	8817 (13%)	42933 (13%)	7018	20384 (13%)	26546
70+	Sm.	60952	33398	22406	3300	7692	7713	5263	10123	-	4455	-
	Total	326694 (19%)	101334 (33%)	25126 (89%)	6030 (55%)	70178 (11%)	11022 (70%)	53569 (10%)	100172 (10%)	2185	44117 (10%)	14295
Any age	Sm.	89583	51617	33885	6269	11463	8636	6400	15783	-	7147	-
	Total	525903 (17%)	179140 (29%)	39053 (87%)	13274 (47%)	126813 (9%)	12722 (68%)	62822 (10%)	144629 (11%)	9285	67997 (11%)	49308

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	61526	28258	28759	3948	4530	5332	4425	3909	3614	3001	1943	1261	1304
2000	62178	27284	29116	4109	3929	4484	5232	4290	3725	3347	2652	1591	1535
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	501276	17950	187677	4413	8236	15616	21905	30491	47188	59828	60927	68504	166218
2000	525903	15480	183729	4621	6840	13141	24103	31848	42214	60962	76413	73947	176334
Lung cancer													
1995	33389	66	13921	101	289	757	1140	1831	3761	6042	6104	5702	7596
2000	39053	75	13852	97	289	634	1465	2210	3352	5805	8193	7326	9607
ANNUAL DEATH RATE / 100,000	(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes													
1995	757.8*	64.0*	737.3*	111.8	181.8	292.9	495.1	780.0	1305.6	1993.8	3136.0	5431.7	12742.9
2000	683.7*	54.6*	676.8*	112.5	174.1	293.1	460.7	742.4	1133.1	1821.4	2881.7	4646.7	11488.3
All cancer													
1995	237.2*	5.6*	312.3*	22.5	46.7	93.3	182.1	325.1	598.6	917.5	1263.6	1756.7	2557.4
2000	228.2*	4.6*	286.4*	18.8	41.4	86.0	167.3	309.1	510.9	871.0	1262.7	1716.8	2640.6
Lung cancer													
1995	49.7*	0.2*	57.3*	2.6	6.4	14.2	25.8	46.8	104.1	201.4	314.2	452.1	582.3
2000	49.3*	0.2*	52.4*	2.4	7.4	14.1	28.0	51.5	90.0	173.4	309.0	460.3	625.9
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	16.4*	0.2*	25.9*	0.8	3.0	8.2	18.7	31.3	47.1	72.0	84.1	98.8	127.2
2000	17.0*	0.1*	26.6*	0.9	2.9	8.5	16.9	35.9	50.1	71.2	88.6	107.3	128.5
Other cancer													
1995	171.1*	5.3*	229.1*	19.2	37.3	71.0	137.7	247.0	447.4	644.1	865.3	1205.8	1847.9
2000	161.9*	4.2*	207.3*	15.5	31.2	63.4	122.4	221.8	370.8	626.4	865.1	1149.2	1886.2
Chronic obstructive pulmonary disease (COPD)													
1995	22.4*	0.9*	10.2*	1.0	1.5	2.0	3.9	6.7	16.2	40.5	99.1	228.6	547.5
2000	16.2*	0.4*	6.2*	0.8	1.0	1.2	1.9	4.0	9.4	24.8	72.1	155.3	432.5
Other respiratory disease													
1995	86.3*	2.4*	39.0*	3.4	5.9	8.7	16.0	30.7	66.2	142.4	305.0	724.0	2408.5
2000	80.4*	1.7*	34.0*	2.7	4.5	7.2	13.1	26.7	58.9	125.0	282.1	618.3	2361.7
Vascular disease													
1995	224.3*	5.4*	180.9*	23.6	41.4	71.4	117.5	188.1	311.7	512.6	906.4	1764.7	4697.1
2000	186.2*	5.1*	158.3*	22.6	39.0	70.2	108.3	168.1	268.3	431.9	751.0	1361.1	3817.8
Liver cirrhosis													
1995	14.2*	0.3*	27.6*	4.4	10.4	16.8	29.2	40.3	49.0	43.4	37.3	41.3	63.4
2000	12.4*	0.3*	24.8*	3.9	8.6	16.2	24.6	34.0	42.8	43.5	37.3	34.2	42.5
Other medical causes													
1995	105.5*	19.0*	85.7*	14.6	23.6	37.0	57.8	90.9	153.3	222.6	365.0	674.8	1976.1
2000	90.8*	14.4*	75.1*	13.6	20.8	34.7	50.2	80.3	124.4	201.5	328.8	559.4	1726.3
All non-medical causes													
1995	67.9*	30.4*	81.5*	42.2	52.2	63.7	88.7	98.2	110.6	114.8	159.6	241.5	492.9
2000	69.5*	28.1*	92.0*	50.2	58.9	77.5	95.2	120.3	118.5	123.7	147.8	201.6	466.9

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

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Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	9683	1354	47	19	1288	130	478	728	24	3472	3497
35-69	Sm.	4439	2227	1849	143	235	332	197	1083	-	600	-
	Total	91189 (5%)	41923 (5%)	4333 (43%)	882 (16%)	36708 (1%)	1096 (30%)	3862 (5%)	21402 (5%)	1770	11863 (5%)	9273
70+	Sm.	20110	6649	5246	568	835	3669	1754	5529	-	2509	-
	Total	319991 (6%)	60122 (11%)	7976 (66%)	1690 (34%)	50456 (2%)	6825 (54%)	43075 (4%)	134179 (4%)	2216	60854 (4%)	12720
Any age	Sm.	24549	8876	7095	711	1070	4001	1951	6612	-	3109	-
	Total	420863 (6%)	103399 (9%)	12356 (57%)	2591 (27%)	88452 (1%)	8051 (50%)	47415 (4%)	156309 (4%)	4010	76189 (4%)	25490
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	8116	1295	41	22	1232	68	366	645	22	2791	2929
35-69	Sm.	4249	2391	1986	171	234	199	181	938	-	540	-
	Total	85105 (5%)	42212 (6%)	4617 (43%)	1060 (16%)	36535 (1%)	642 (31%)	3465 (5%)	18269 (5%)	1473	10574 (5%)	8470
70+	Sm.	19579	7813	6306	620	887	2892	1716	4822	-	2336	-
	Total	342529 (6%)	72837 (11%)	10013 (63%)	2012 (31%)	60812 (1%)	5738 (50%)	48678 (4%)	134795 (4%)	2220	65163 (4%)	13098
Any age	Sm.	23828	10204	8292	791	1121	3091	1897	5760	-	2876	-
	Total	435750 (5%)	116344 (9%)	14671 (57%)	3094 (26%)	98579 (1%)	6448 (48%)	52509 (4%)	153709 (4%)	3715	78528 (4%)	24497

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		63946	27138	29449	3876	4478	5289	4500	4046	3863	3397	2753	2028	2577
2000		64856	26141	29717	4014	3868	4455	5240	4436	3964	3739	3219	2503	3277
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		420863	9683	91189	2426	4578	8520	11041	14241	21122	29261	41516	56924	221551
2000		435750	8116	85105	2425	3639	6595	11740	14144	18466	28096	40115	57053	245361
Lung cancer														
1995		12356	47	4333	66	169	380	551	732	1021	1414	1768	2205	4003
2000		14671	41	4617	74	147	259	664	803	1068	1602	2017	2459	5537
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
1995		415.8*	37.8*	333.1*	62.6	102.2	161.1	245.4	351.9	546.8	861.4	1507.9	2806.3	8598.6
2000		358.1*	31.1*	294.7*	60.4	94.1	148.0	224.0	318.8	465.8	751.5	1246.3	2279.0	7488.3
All cancer														
1995		113.5*	4.8*	151.6*	28.0	49.7	82.8	125.0	170.3	247.9	357.3	511.5	734.7	1208.4
2000		109.5*	4.5*	145.0*	26.6	46.3	79.2	123.4	169.6	230.0	340.2	483.6	695.9	1216.2
Lung cancer														
1995		13.1*	0.2*	15.9*	1.7	3.8	7.2	12.2	18.1	26.4	41.6	64.2	108.7	155.4
2000		13.1*	0.1*	16.0*	1.8	3.8	5.8	12.7	18.1	26.9	42.8	62.7	98.2	169.0
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		2.7*	0.1*	3.2*	0.3	0.5	1.3	2.8	3.9	5.8	8.0	12.4	18.7	37.6
2000		2.8*	0.1*	3.7*	0.5	1.0	1.7	3.0	4.2	6.8	8.4	11.7	16.2	37.5
Other cancer														
1995		97.7*	4.6*	132.5*	26.0	45.4	74.3	109.9	148.4	215.7	307.7	434.9	607.2	1015.4
2000		93.6*	4.3*	125.4*	24.2	41.6	71.6	107.7	147.3	196.3	289.0	409.2	581.4	1009.8
Chronic obstructive pulmonary disease (COPD)														
1995		7.5*	0.5*	4.1*	0.7	0.9	1.6	2.0	4.1	6.6	12.8	28.5	61.4	186.1
2000		4.8*	0.2*	2.3*	0.6	0.5	1.1	1.0	1.7	3.4	7.7	16.6	37.7	130.0
Other respiratory disease														
1995		41.8*	2.0*	14.6*	1.5	3.1	4.1	7.3	11.9	25.3	48.8	116.2	286.0	1322.5
2000		36.9*	1.5*	12.3*	1.5	2.3	3.3	5.6	10.5	20.7	42.5	95.0	234.0	1213.5
Vascular disease														
1995		142.9*	2.7*	79.7*	8.5	17.0	30.1	47.3	77.3	135.7	242.1	505.8	1102.4	3799.2
2000		114.1*	2.3*	64.1*	8.2	15.3	25.7	40.7	61.9	103.6	193.0	374.5	810.5	3126.7
Liver cirrhosis														
1995		4.5*	0.1*	6.5*	1.0	1.9	2.7	4.6	7.1	12.6	15.5	21.6	30.9	38.6
2000		3.6*	0.1*	5.1*	0.8	1.7	2.6	3.8	5.8	8.1	12.9	18.3	25.2	30.5
Other medical causes														
1995		75.2*	15.3*	44.0*	8.5	12.2	17.1	26.4	43.2	73.8	126.5	230.8	445.4	1764.5
2000		63.4*	12.2*	37.1*	7.1	10.4	16.1	22.5	36.1	60.4	106.8	188.5	363.1	1526.2
All non-medical causes														
1995		30.5*	12.4*	32.7*	14.3	17.5	22.8	32.8	38.0	44.9	58.4	93.5	145.5	279.2
2000		25.9*	10.2*	28.8*	15.6	17.5	20.1	27.0	33.2	39.7	48.4	69.8	112.6	245.1

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

JAPAN: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 15	– / 8.1	–
35–69	29 / 184	4.2 / 85	22 years
70+	61 / 327	20 / 343	8 years
All ages	90 / 526	24 / 436	12 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

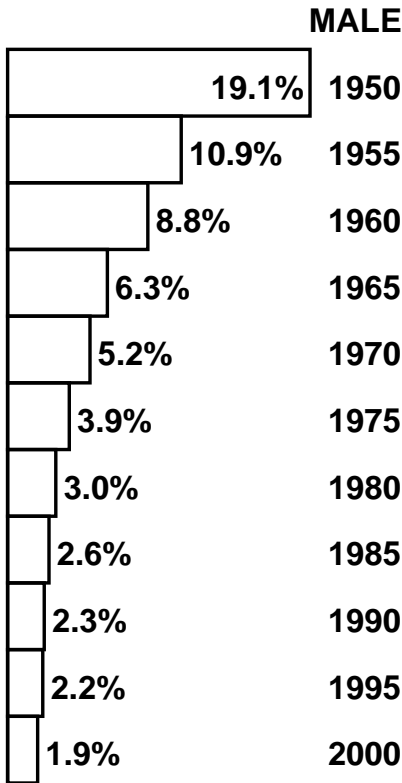
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.1	11/14	22/25	34/39	–/0.0	2.0/4.6	6.3/10	8.3/15
All Cancer	–/1.4	18/76 (24%)	33/101 (33%)	52/179	–/1.3	2.4/42 (6%)	7.8/73 (11%)	10/116
Vascular	–/1.5	5.7/43	10/100	16/145	–/0.6	0.9/18	4.8/135	5.8/154
Respiratory	–/0.6	2.1/10	13/65	15/76	–/0.4	0.4/4.1	4.6/54	5.0/59
All Other	–/12	2.7/54	4.5/61	7.1/127	–/5.7	0.5/21	2.3/80	2.9/107
All Causes	–/15	29/184 (16%)	61/327 (19%)	90/526	–/8.1	4.2/85 (5%)	20/343 (6%)	24/436

**Cancer deaths, and all deaths,
attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	52 / 179 (29%)	10 / 116 (9%)	62 / 295 (21%)
All Causes	90 / 526 (17%)	24 / 436 (5%)	113 / 962 (12%)

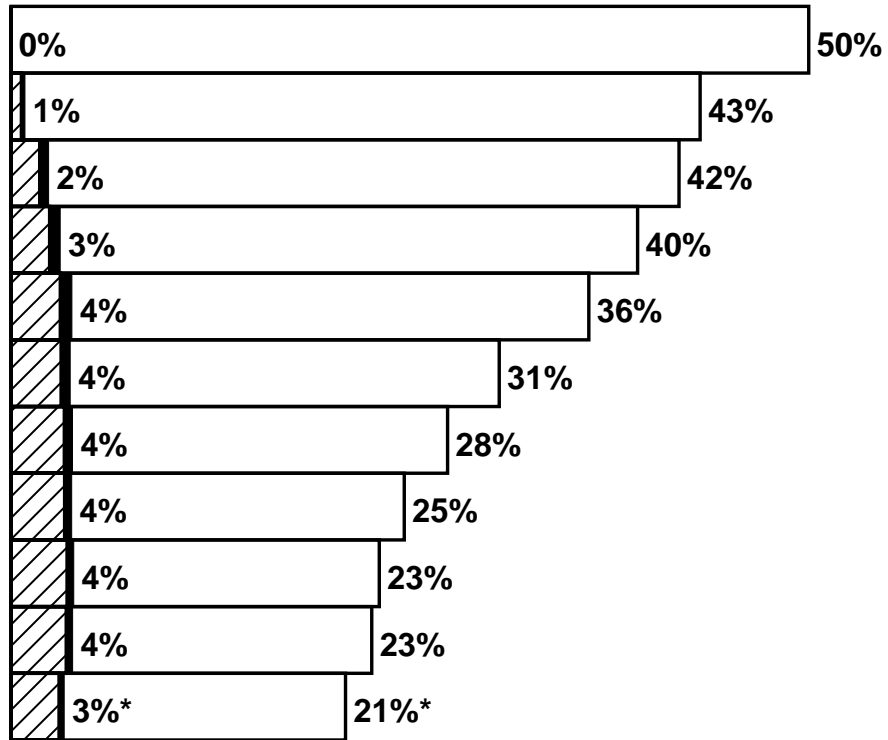
1950-2000: JAPAN

Population risk of dying at ages 0-34



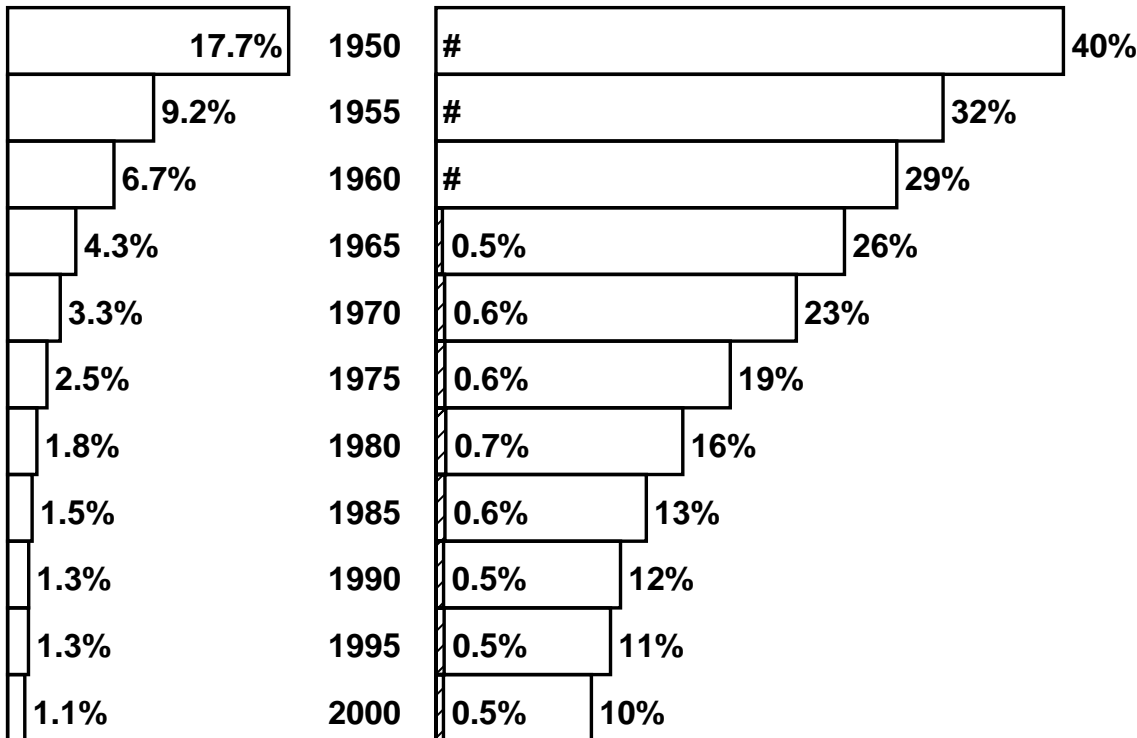
Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not



*At year 2000 male death rates, out of 100 men aged 35, 21 would die before age 70 (with 3 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

JAPAN: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	-/192	0.0/177 (0%)	0.0/98 (0%)	0.0/467	-/178	0.0/140	0.0/120	0.0/438
1955	-/102	2.7/156 (2%)	0.7/107 (0.7%)	3.5/365	-/84	0.0/115	0.0/129	0.0/328
1960	-/77	9.2/165 (6%)	3.4/135 (2%)	13/378	-/57	0.0/114	0.0/159	0.0/329
1965	-/56	13/169 (8%)	6.6/153 (4%)	19/379	-/37	1.9/111 (2%)	1.2/174 (0.7%)	3.2/322
1970	-/49	17/170 (10%)	12/169 (7%)	29/388	-/30	2.7/111 (2%)	2.6/185 (1%)	5.3/325
1975	-/38	18/156 (11%)	18/184 (10%)	36/378	-/24	3.1/101 (3%)	5.2/200 (3%)	8.3/324
1980	-/28	20/154 (13%)	26/209 (13%)	47/391	-/16	3.7/95 (4%)	9.7/221 (4%)	13/332
1985	-/22	22/157 (14%)	35/229 (15%)	57/408	-/12	3.8/90 (4%)	12/242 (5%)	16/345
1990	-/19	27/168 (16%)	42/257 (16%)	68/444	-/10	3.6/88 (4%)	16/278 (6%)	19/377
1995	-/18	31/188 (16%)	53/296 (18%)	84/501	-/9.7	4.4/91 (5%)	20/320 (6%)	25/421
2000	-/15	29/184 (16%)	61/327 (19%)	90/526	-/8.1	4.2/85 (5%)	20/343 (6%)	24/436

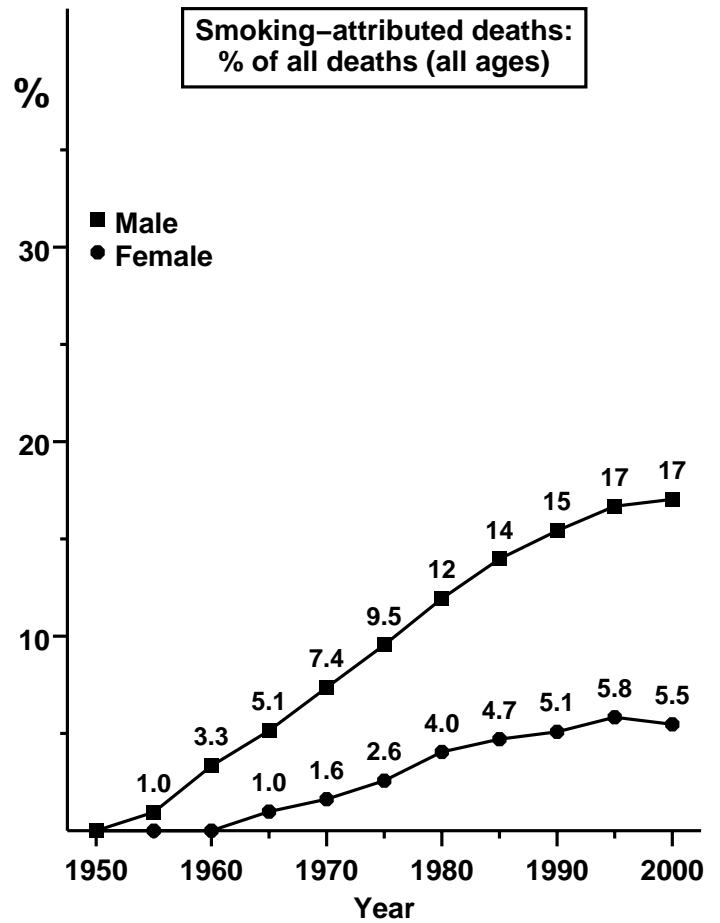
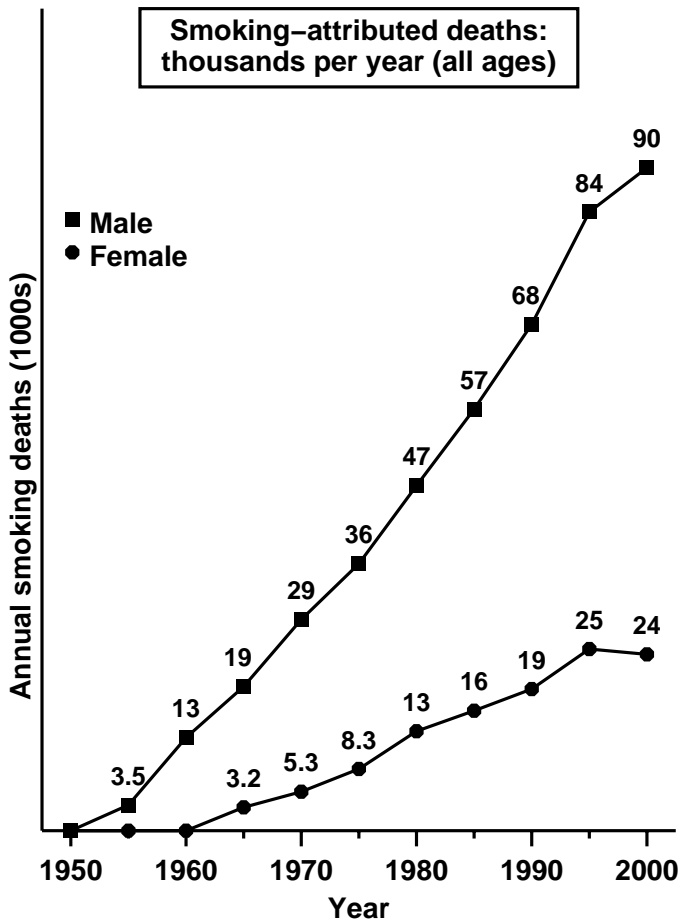
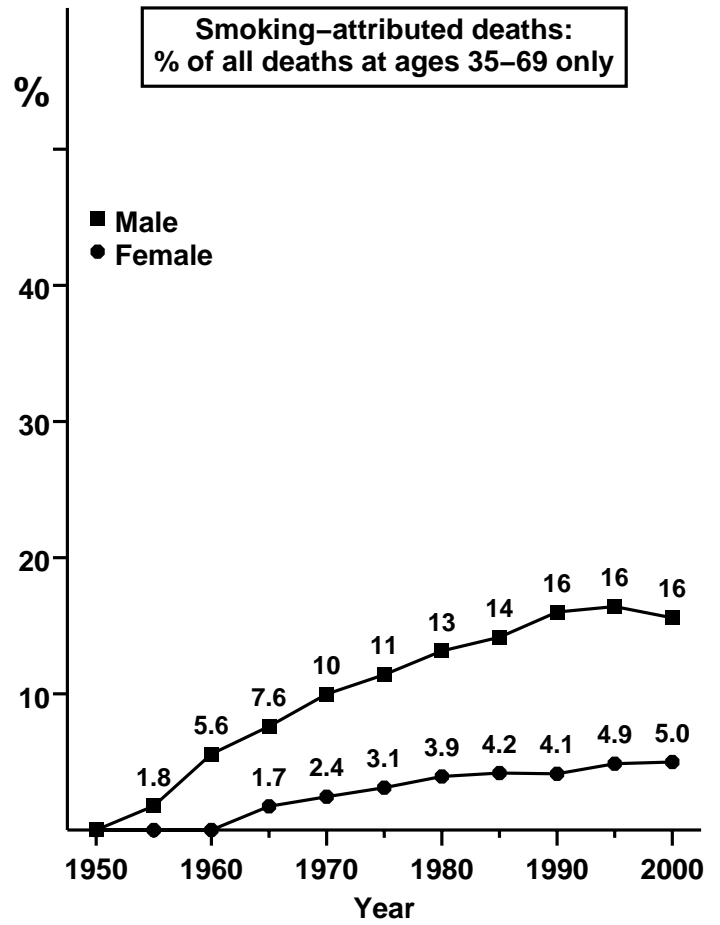
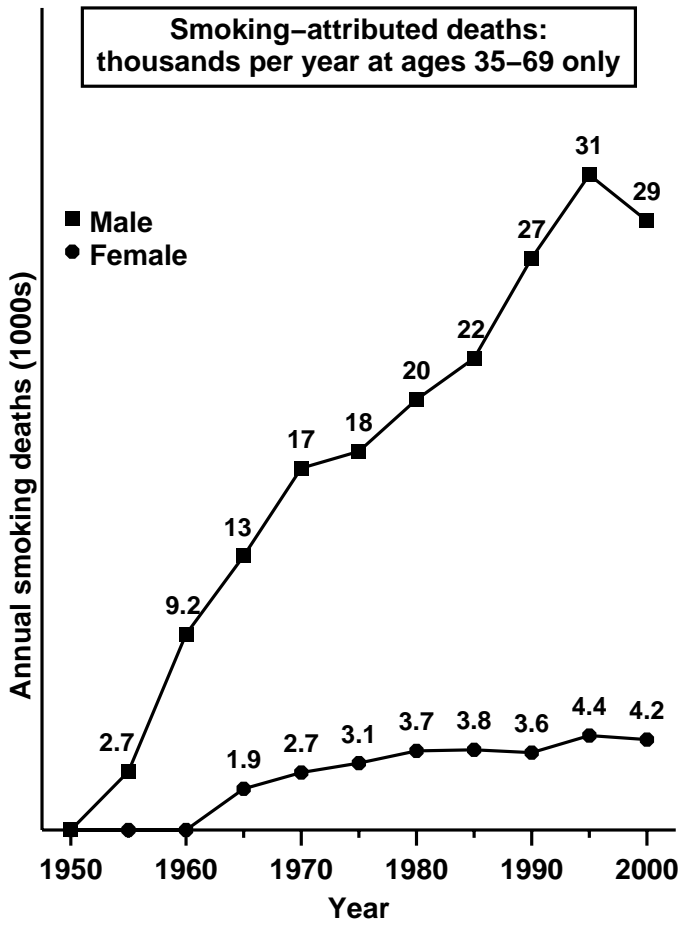
50-year total* (M=millions), mid-1950 to mid-2000: 2.5/ 38M

1950-2000 by age & sex:

-/2.4M	0.9/8.3M (10%)	1.1/9.7M (12%)	2.0/20M	-/1.7M	0.1/5.1M (3%)	0.4/11M (4%)	0.5/17M
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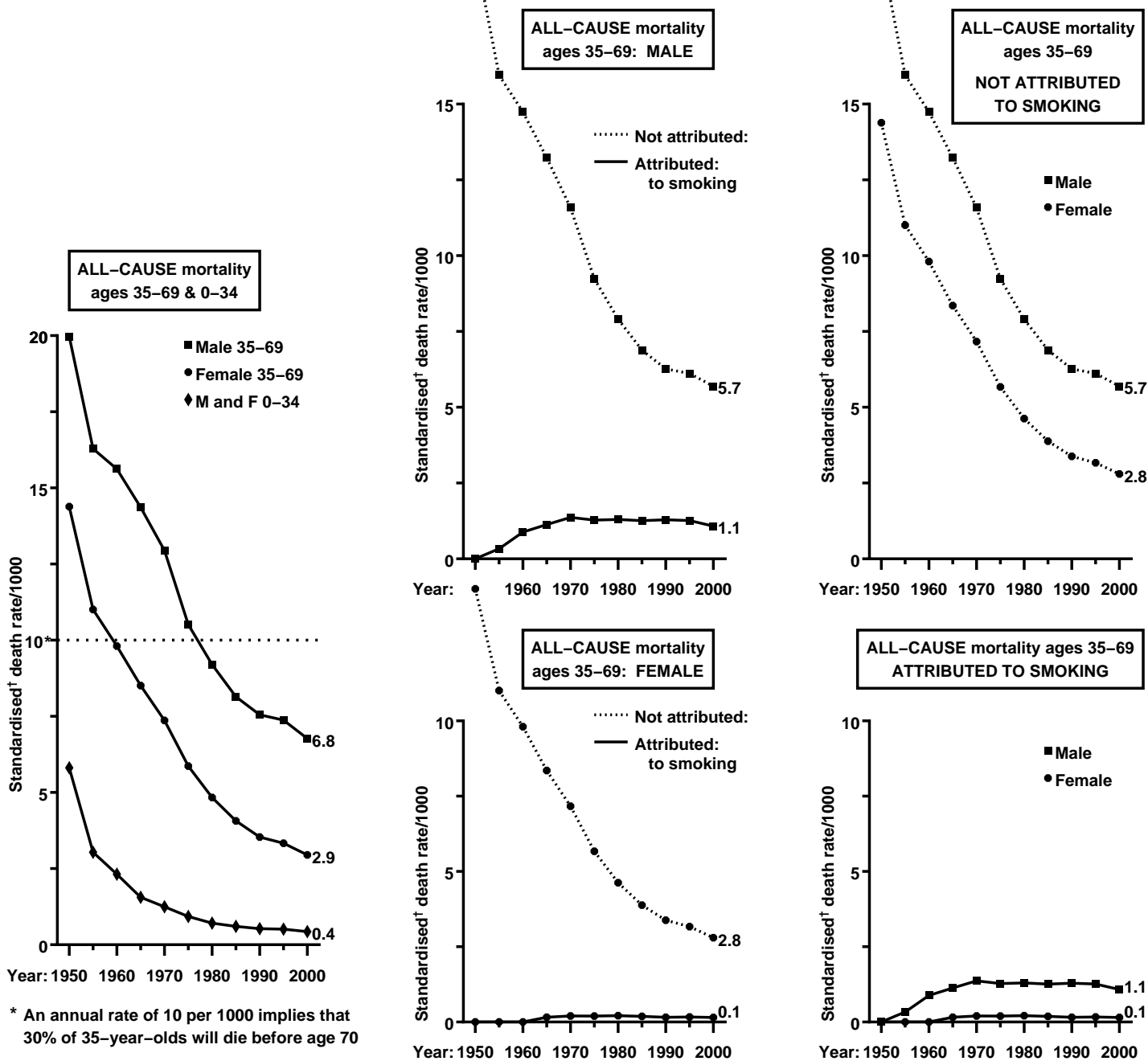
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1950-2000: JAPAN



JAPAN: 1950-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

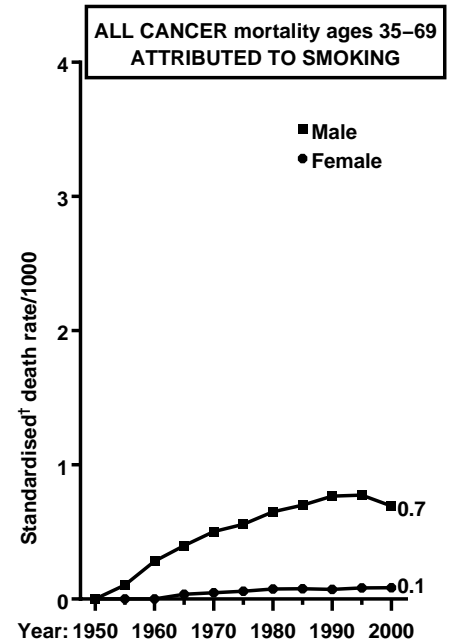
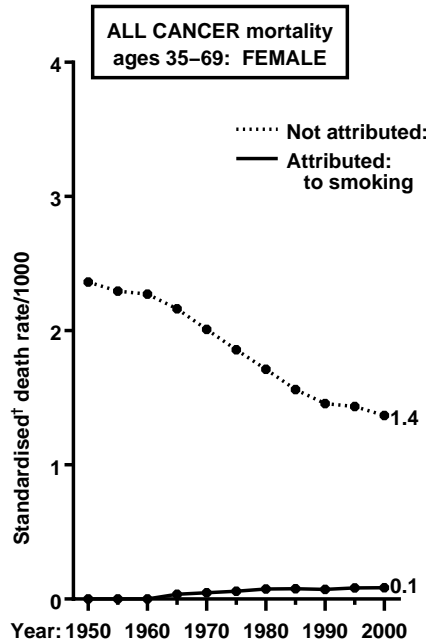
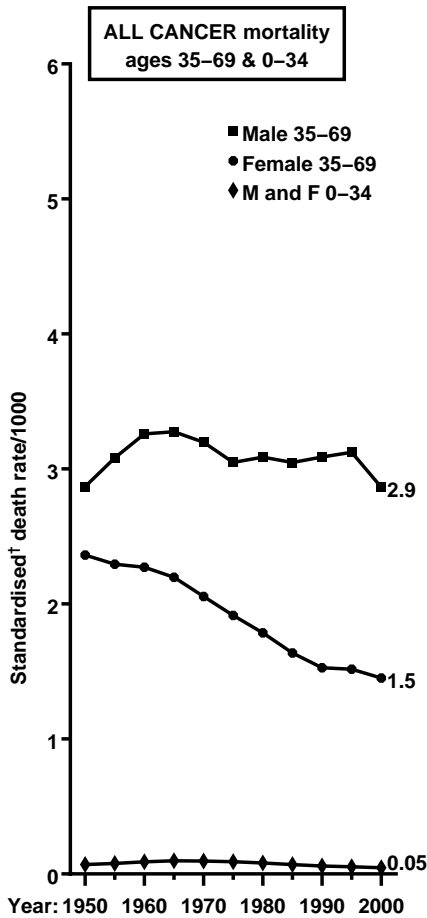
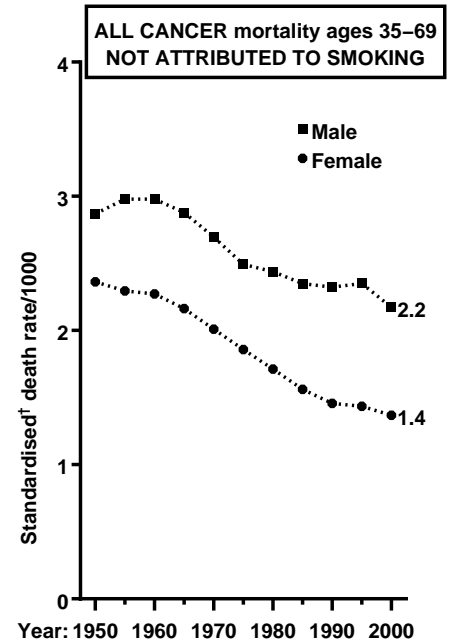
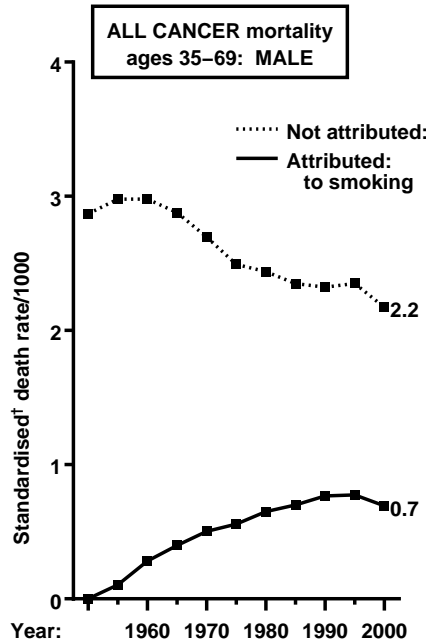
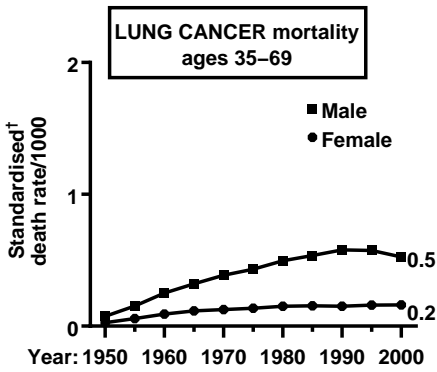


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	-	6.04	0.00	20.0	0.00	96.0	-	5.57	0.00	14.4	0.00	71.1	-	2.76	0.00	11.0	0.00	62.8
1955	-	3.31	0.33	16.0	0.61	86.4	-	1.98	0.00	9.80	0.00	63.8	-	1.26	0.16	8.35	0.50	58.3
1960	-	2.64	0.88	14.7	2.37	88.0	-	0.96	0.20	7.16	0.84	51.1	-	0.72	0.20	5.67	1.30	42.2
1965	-	1.86	1.13	13.2	4.00	83.4	-	0.53	0.21	4.62	1.84	34.5	-	0.44	0.19	3.88	1.70	27.1
1970	-	1.52	1.36	11.6	5.73	73.1	-	0.38	0.15	3.38	1.62	22.9	-	0.38	0.15	3.17	1.52	20.1
1975	-	1.13	1.28	9.24	7.29	59.7	-	0.31	0.16	3.17	1.52	20.1	-	0.38	0.16	3.17	1.52	20.1
1980	-	0.88	1.30	7.90	8.34	51.5	-	0.31	0.15	2.80	1.15	16.5	-	0.31	0.15	2.80	1.15	16.5
1985	-	0.76	1.26	6.88	8.58	42.0	-	0.31	0.15	2.80	1.15	16.5	-	0.31	0.15	2.80	1.15	16.5
1990	-	0.67	1.29	6.26	8.40	37.2	-	0.31	0.15	2.80	1.15	16.5	-	0.31	0.15	2.80	1.15	16.5
1995	-	0.64	1.26	6.11	8.70	34.1	-	0.31	0.15	2.80	1.15	16.5	-	0.31	0.15	2.80	1.15	16.5
2000	-	0.55	1.08	5.69	7.95	29.7	-	0.31	0.15	2.80	1.15	16.5	-	0.31	0.15	2.80	1.15	16.5

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: JAPAN

Trends in ALL CANCER mortality attributed and not attributed to smoking



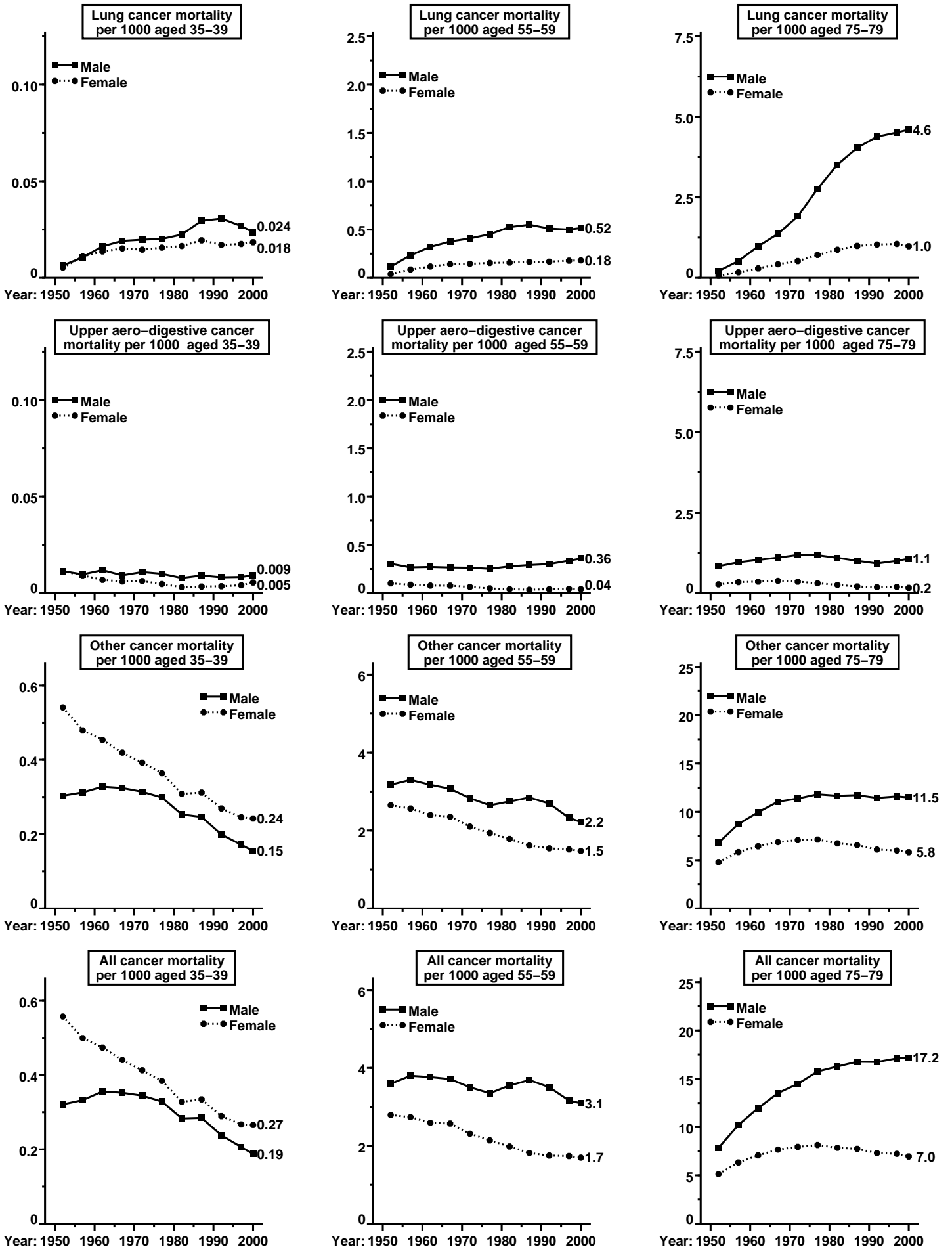
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	-	0.06	0.00	2.87	0.00	7.41	-	0.08	0.00	2.36	0.00	4.70	-	0.08		
1955	-	0.07	0.10	2.98	0.17	9.22	-	0.08	0.00	2.29	0.00	5.87	-	0.08		
1960	-	0.09	0.28	2.98	0.74	10.5	-	0.09	0.00	2.27	0.00	6.67	-	0.09		
1965	-	0.10	0.40	2.88	1.35	10.9	-	0.10	0.03	2.16	0.10	6.87	-	0.10		
1970	-	0.10	0.50	2.70	1.91	10.8	-	0.09	0.05	2.01	0.17	6.91	-	0.09		
1975	-	0.09	0.56	2.49	2.90	10.6	-	0.09	0.06	1.86	0.32	6.68	-	0.09		
1980	-	0.08	0.65	2.44	3.84	10.6	-	0.08	0.07	1.71	0.57	6.60	-	0.08		
1985	-	0.07	0.70	2.35	4.41	10.1	-	0.07	0.08	1.56	0.62	6.13	-	0.07		
1990	-	0.06	0.77	2.32	4.62	9.58	-	0.06	0.07	1.46	0.67	5.70	-	0.06		
1995	-	0.06	0.77	2.35	5.03	10.1	-	0.05	0.08	1.43	0.68	5.55	-	0.05		
2000	-	0.05	0.69	2.17	5.05	9.85	-	0.04	0.08	1.37	0.60	5.29	-	0.04		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

JAPAN: 1950-2000

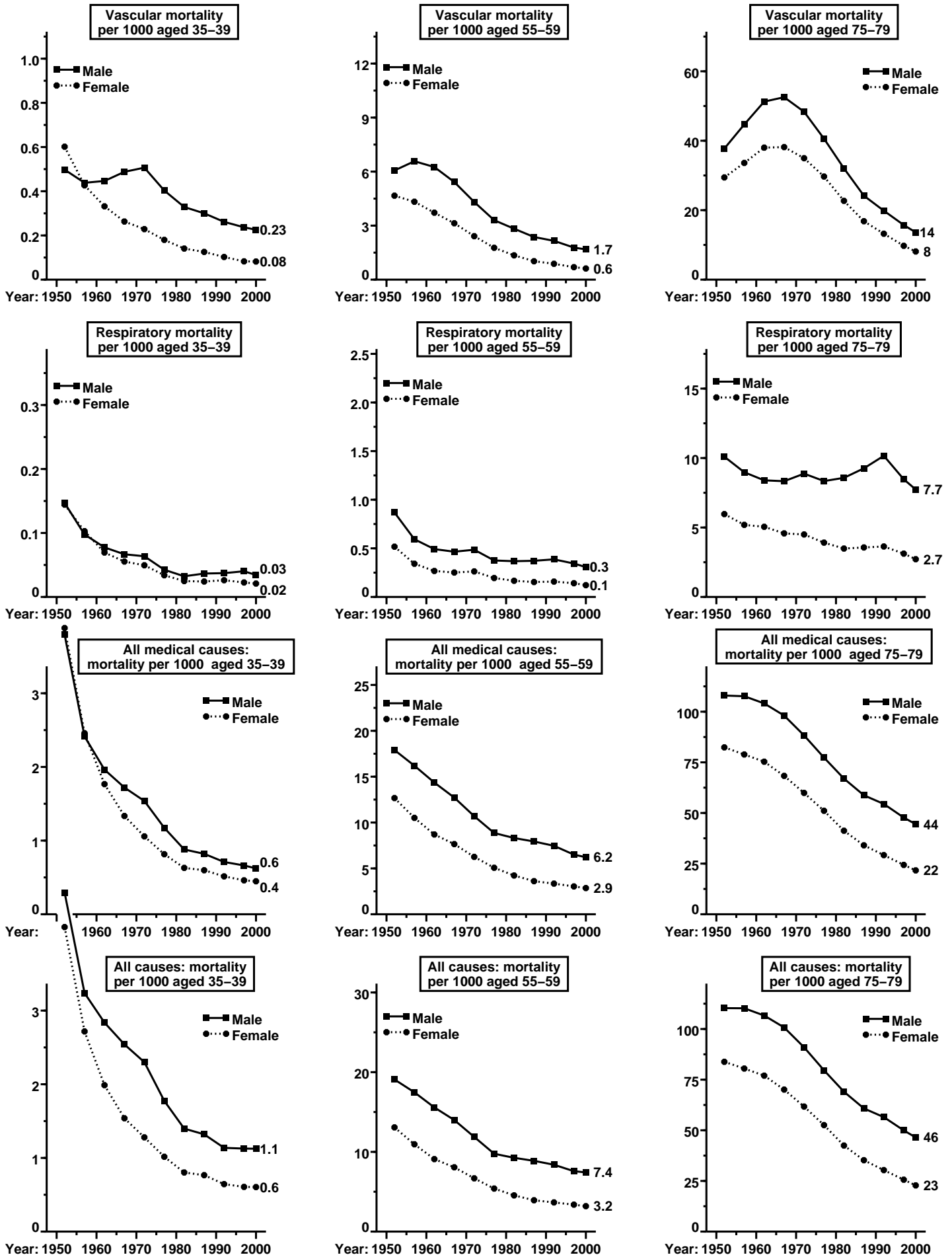
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

1950-2000: JAPAN

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

LATVIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	16155	1088	8848	1579.2	206.7	2166.1	285.4	54.8	35.6	123.3	259.6	292.8	395.4
	F	16050	373	4107	814.0	78.9	735.2	222.0	21.4	27.4	37.8	62.0	79.7	102.0
Tuberculosis	M	242	15	196	22.8	2.7	43.0	-	-	-	-	-	6.1	12.8
	F	54	7	33	3.7	1.2	5.7	-	-	-	-	-	3.7	5.0
HIV	M	2	1	1	0.2	0.2	0.2	-	-	-	-	-	1.2	-
	F	1	1	-	0.1	0.2	-	-	-	-	-	1.3	-	-
Other infective and parasitic	M	37	6	21	3.6	1.3	4.9	4.0	-	-	-	-	2.4	2.6
	F	47	12	15	3.5	2.9	2.7	12.7	1.4	1.1	1.1	-	3.7	-
ALL CANCER	M	3001	51	1773	285.3	9.2	459.8	4.0	9.6	6.3	5.5	6.2	7.3	25.7
	F	2568	38	1175	139.8	6.8	210.4	2.1	2.9	8.8	-	2.5	9.8	21.4
Mouth and pharynx cancer	M	120	-	90	11.5	-	22.9	-	-	-	-	-	-	-
	F	17	-	7	0.9	-	1.3	-	-	-	-	-	-	-
Oesophagus cancer	M	84	-	64	7.8	-	15.9	-	-	-	-	-	-	-
	F	10	-	4	0.5	-	0.7	-	-	-	-	-	-	-
Stomach cancer	M	315	4	201	30.1	0.7	51.4	-	-	-	-	-	1.2	3.9
	F	270	3	107	14.1	0.5	19.2	-	-	-	-	-	1.2	2.5
Colorectal cancer	M	263	1	123	25.7	0.2	32.3	-	-	-	-	-	-	1.3
	F	340	2	122	17.0	0.4	22.1	-	-	-	-	-	1.2	1.3
Liver cancer	M	79	1	48	7.4	0.2	12.5	-	-	-	-	-	1.2	-
	F	50	-	19	2.6	-	3.4	-	-	-	-	-	-	-
Pancreas cancer	M	163	-	109	15.5	-	27.3	-	-	-	-	-	-	-
	F	164	3	58	8.4	0.5	10.5	-	-	-	-	-	1.2	2.5
Larynx cancer	M	84	-	65	7.8	-	16.7	-	-	-	-	-	-	-
	F	5	-	4	0.3	-	0.7	-	-	-	-	-	-	-
Lung cancer	M	870	4	575	81.1	0.7	151.2	-	-	-	-	1.2	-	3.9
	F	169	2	65	8.9	0.4	11.7	-	-	-	-	-	-	2.5
Malignant melanoma	M	31	-	17	2.8	-	4.5	-	-	-	-	-	-	-
	F	64	1	35	3.7	0.2	6.2	-	-	-	-	-	-	1.3
Female breast cancer	F	413	1	268	25.2	0.2	47.6	-	-	-	-	-	-	1.3
Cervix cancer	F	117	4	76	7.3	0.7	13.2	-	-	-	-	-	2.5	2.5
Other uterine cancer	F	134	-	68	7.1	-	12.3	-	-	-	-	-	-	-
Ovarian cancer	F	159	1	87	9.0	0.2	15.7	-	-	-	-	-	1.2	-
Prostate cancer	M	233	-	78	23.0	-	21.1	-	-	-	-	-	-	-
Bladder cancer	M	140	-	52	13.9	-	13.8	-	-	-	-	-	-	-
	F	47	-	10	2.2	-	1.8	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	431	18	252	40.8	3.4	64.6	4.0	1.4	3.1	1.1	3.7	1.2	9.0
	F	420	11	176	22.4	1.9	31.7	2.1	-	7.7	-	-	1.2	2.5
Hodgkin's disease	M	12	5	5	1.1	0.9	1.3	-	-	-	1.1	1.2	1.2	2.6
	F	10	1	4	0.6	0.2	0.7	-	-	-	-	1.3	-	-
Myeloma and non- Hodgkin lymphomas	M	79	8	46	7.6	1.4	11.6	-	1.4	-	2.2	-	2.4	3.9
	F	79	1	34	4.2	0.2	6.2	-	-	-	-	-	-	1.3
Leukaemia	M	97	10	48	9.2	1.8	12.7	-	6.8	3.1	1.1	-	-	1.3
	F	100	8	31	5.3	1.5	5.5	-	2.9	1.1	-	1.3	1.2	3.8
Diabetes	M	84	4	49	8.0	0.7	12.1	-	-	-	-	1.2	2.4	1.3
	F	151	-	72	7.9	-	13.0	-	-	-	-	-	-	-
ALL VASCULAR DISEASE	M	7710	86	3644	768.5	15.3	933.7	2.0	-	3.1	5.5	19.8	27.9	48.8
	F	10156	18	1752	475.4	3.3	316.4	2.1	-	-	-	2.5	9.8	8.8
Rheumatic heart disease and fever	M	54	2	42	5.0	0.4	9.9	-	-	-	-	-	-	2.6
	F	70	-	37	3.8	-	6.5	-	-	-	-	-	-	-
Hypertensive disease	M	31	-	20	3.1	-	5.1	-	-	-	-	-	-	-
	F	43	-	15	2.2	-	2.8	-	-	-	-	-	-	-
Ischaemic heart disease	M	4492	16	2196	446.6	2.9	563.5	-	-	-	-	2.5	7.3	10.3
	F	5164	3	805	238.1	0.5	145.8	-	-	-	-	-	2.5	1.3
Pulmonary embolism and other venous	M	37	-	21	3.7	-	5.7	-	-	-	-	-	-	-
	F	42	-	20	2.4	-	3.6	-	-	-	-	-	-	-
Cerebrovascular disease	M	2271	10	887	230.1	1.7	236.0	-	-	2.1	1.1	-	1.2	7.7
	F	4143	1	661	192.1	0.2	119.9	-	-	-	-	-	1.2	-
Other vascular disease	M	825	58	478	80.1	10.3	113.5	2.0	-	1.0	4.4	17.3	19.4	28.2
	F	694	14	214	36.8	2.6	37.8	2.1	-	-	-	2.5	6.1	7.6
Chronic obstructive pulmonary disease	M	215	3	109	20.9	0.5	29.5	-	-	-	-	1.2	1.2	1.3
	F	117	1	26	5.6	0.2	4.7	-	-	-	-	-	1.2	-
Other respiratory disease	M	339	20	254	32.5	3.8	58.4	4.0	1.4	1.0	2.2	2.5	3.6	11.6
	F	185	4	84	10.6	0.8	14.6	2.1	-	1.1	-	1.3	-	1.3
Peptic ulcer	M	91	1	60	8.8	0.2	13.8	-	-	-	-	-	1.2	-
	F	65	-	7	3.0	-	1.3	-	-	-	-	-	-	-
Liver cirrhosis	M	208	7	176	19.4	1.3	41.4	-	-	-	-	1.2	1.2	6.4
	F	120	4	83	7.6	0.7	14.5	-	-	-	-	-	1.2	3.8
Renal disease	M	102	2	50	10.0	0.4	12.4	-	-	-	-	-	1.2	1.3
	F	130	4	45	6.8	0.8	8.1	2.1	-	1.1	-	2.5	-	-
Pregnancy, birth	F	5	4	1	0.4	0.7	0.2	-	-	-	-	1.3	-	3.8
Congenital and perinatal causes	M	132	117	12	18.9	31.6	2.9	199.6	5.5	1.0	1.1	8.7	1.2	3.9
	F	91	77	10	13.4	22.4	1.7	148.0	1.4	2.2	-	-	2.5	2.5
Ill-defined causes	M	457	29	158	49.9	6.2	37.2	20.0	-	-	2.2	3.7	12.2	5.1
	F	776	15	56	37.0	3.5	10.0	14.8	-	2.2	1.1	-	4.9	1.3
Other medical causes	M	688	51	429	66.7	9.9	100.6	16.0	2.7	2.1	4.4	7.4	15.8	20.5
	F	658	26	279	37.0	5.1	50.0	8.5	4.3	1.1	3.4	5.1	6.1	7.6
ALL NON- MEDICAL CAUSES	M	2847	695	1916	263.9	123.6	416.2	35.9	35.6	22.0	102.4	207.7	207.8	254.2
	F	926	162	469	62.3	30.3	82.1	29.6	11.4	9.9	32.0	45.6	36.8	46.6
Motor vehicle traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	152	21	116	14.3	4.1	26.0	6.0	4.1	1.0	-	3.7	1.2	12.8
	F	62	9	34	4.1	1.9	6.0	4.2	4.3	-	-	-	3.7	1.3
Suicide	M	618	141	414	57.2	24.6	89.5	-	1.4	4.2	22.0	40.8	46.2	57.8
	F	152	24	82	9.9	4.2	14.2	-	-	1.1	4.6	5.1	9.8	8.8
Homicide	M	217	51	156	20.0	9.2	32.2	4.0	-	-	7.7	11.1	14.6	27.0
	F	80	15	56	6.1	3.0	9.8	6.3	-	1.1	4.6	5.1	1.2	2.5
POPULATION: (1000s; UN, 2002 revision)			M=male		1089.8	550.6	468.5	50.1	73.0	95.6	90.8	80.9	82.3	77.9
			F=female		1282.7	535.8	579.2	47.3	70.0	91.1	87.4	79.0	81.6	79.4

2000: LATVIA

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK		9th ICD/10th ICD categories	
514.6	849.7	1150.6	1884.9	2371.9	3475.5	4915.9	6223.5	8133.7	15246.9	M	ALL CAUSES	001-999/A00-Y89
165.2	251.6	377.3	600.0	807.8	1146.7	1798.1	2861.7	5392.2	15205.0	F		
23.3	39.1	49.7	53.5	48.6	40.6	46.5	47.5	21.4	61.7	M	Tuberculosis	010-018, 137/ A15-A19, B90
4.4	4.4	6.0	7.9	6.3	7.0	4.0	4.1	13.7	9.0	F		
-	1.2	-	-	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
-	4.7	2.8	4.9	5.0	10.2	6.6	16.8	10.7	12.3	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
-	1.1	2.4	2.6	6.3	2.3	4.0	12.4	7.8	15.8	F		
22.1	58.0	124.3	332.3	514.2	886.6	1281.0	1650.8	1647.1	1716.0	M	ALL CANCER	140-208/C00-C97
38.8	90.1	118.5	181.5	245.0	298.0	500.7	603.0	903.9	1031.5	F		
1.2	1.2	4.1	35.7	25.1	42.3	50.9	50.3	32.1	37.0	M	Mouth and pharynx cancer	140-149/C00-C14
-	1.1	-	1.3	1.3	1.2	4.0	2.8	5.9	11.3	F		
-	3.6	12.4	11.3	18.4	32.1	33.2	33.5	32.1	12.3	M	Oesophagus cancer	150/C15
-	-	-	-	-	2.3	2.7	2.8	2.0	6.8	F		
3.5	10.7	18.0	34.0	60.3	96.4	137.2	134.1	171.1	185.2	M	Stomach cancer	151/C16
1.1	9.9	10.9	15.9	15.1	30.3	51.1	56.7	113.7	137.4	F		
1.2	3.6	9.7	40.5	15.1	54.1	101.8	181.6	155.1	277.8	M	Colorectal cancer	153, 154/C18-C21
2.2	5.5	3.6	13.2	23.9	36.1	70.0	81.6	145.1	186.9	F		
1.2	2.4	4.1	6.5	10.1	23.7	39.8	41.9	53.5	30.9	M	Liver cancer	155.0, 155.1/C22
-	1.1	1.2	5.3	3.8	8.1	4.0	18.0	15.7	22.5	F		
2.3	5.9	8.3	22.7	38.5	55.8	57.5	75.4	80.2	74.1	M	Pancreas cancer	157/C25
-	1.1	8.5	5.3	16.3	14.0	28.3	38.7	74.5	83.3	F		
1.2	1.2	6.9	3.2	33.5	28.8	42.0	30.7	32.1	12.3	M	Larynx cancer	161/C32
-	-	-	-	2.5	-	2.7	1.4	-	-	F		
3.5	13.0	29.0	85.9	185.9	296.1	444.7	488.8	390.4	265.4	M	Lung cancer	162/C33, C34
1.1	1.1	6.0	11.9	18.8	17.5	25.6	49.8	76.5	60.8	F		
-	1.2	1.4	1.6	3.4	8.5	15.5	30.7	-	18.5	M	Malignant melanoma	172/C43
2.2	4.4	6.0	2.6	8.8	7.0	12.1	5.5	15.7	36.0	F		
10.0	24.2	41.1	58.3	59.0	62.9	78.1	70.5	102.0	92.3	F	Female breast cancer	174/C50
11.1	13.2	12.1	9.3	11.3	14.0	21.5	12.4	29.4	29.3	F	Cervix cancer	180/C53
-	2.2	2.4	7.9	15.1	23.3	35.0	30.4	37.3	56.3	F	Other uterine cancer	179, 182/C54, C55
1.1	2.2	4.8	15.9	30.2	24.4	31.0	45.6	25.5	56.3	F	Ovarian cancer	183.0/C56
-	-	2.8	6.5	25.1	40.6	73.0	176.0	246.0	284.0	M	Prostate cancer	185/C61
1.2	1.2	2.8	6.5	15.1	25.4	44.2	97.8	107.0	203.7	M	Bladder cancer	188/C67
-	-	1.2	-	1.3	4.7	5.4	11.1	23.5	38.3	F		
4.7	10.7	15.2	60.0	58.6	137.1	165.9	240.2	229.9	197.5	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
7.8	16.5	14.5	26.5	30.2	34.9	91.5	109.3	176.5	144.1	F		
-	-	1.4	-	3.4	-	4.4	2.8	5.3	-	M	Hodgkin's disease	201/C81
-	1.1	1.2	-	-	1.2	1.3	1.4	5.9	2.3	F		
1.2	-	6.9	8.1	10.1	30.5	24.3	19.6	48.1	55.6	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
-	3.3	2.4	5.3	3.8	8.1	20.2	26.3	21.6	31.5	F		
1.2	3.6	1.4	9.7	11.7	15.2	46.5	47.5	64.2	61.7	M	Leukaemia	204-208/C91-C95
2.2	3.3	2.4	2.6	3.8	8.1	16.2	38.7	33.3	36.0	F		
3.5	4.7	8.3	9.7	10.1	15.2	33.2	41.9	48.1	43.2	M	Diabetes	250/E10-E14
3.3	1.1	3.6	10.6	11.3	23.3	37.7	41.5	56.9	45.0	F		
92.0	189.3	348.1	649.9	996.6	1665.0	2595.1	3555.9	5278.1	10617.3	M	ALL VASCULAR DISEASE	390-459/I00-I99
26.6	58.2	99.2	197.4	310.3	563.4	959.6	1838.2	3762.7	11572.1	F		
5.8	4.7	5.5	6.5	15.1	11.8	19.9	22.3	-	12.3	M	Rheumatic heart disease and fever	390-398/I00-I09
-	2.2	1.2	2.6	10.1	17.5	12.1	23.5	15.7	18.0	F		
-	2.4	1.4	1.6	10.1	5.1	15.5	2.8	26.7	30.9	M	Hypertensive disease	401-405/I10-I15
-	-	-	2.6	5.0	2.3	9.4	9.7	13.7	31.5	F		
40.7	106.5	194.8	382.5	628.1	1060.9	1531.0	2114.5	2914.4	6037.0	M	Ischaemic heart disease	410-414/I20-I25
5.5	14.3	26.6	60.9	134.4	288.7	489.9	941.9	1860.8	6139.6	F		
1.2	-	-	8.1	5.0	3.4	22.1	14.0	26.7	37.0	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
-	-	3.6	6.6	3.8	4.7	6.7	6.9	13.7	22.5	F		
4.7	18.9	66.3	129.7	226.1	423.0	783.2	1125.7	1898.4	3802.5	M	Cerebrovascular disease	430-438/I60-I69
5.5	16.5	36.3	79.5	124.4	199.1	378.2	769.0	1692.2	4644.1	F		
39.6	56.8	80.1	121.6	112.2	160.7	223.5	276.5	411.8	697.5	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
15.5	25.3	31.4	45.0	32.7	51.2	63.3	87.1	166.7	716.2	F		
-	-	5.5	11.3	33.5	52.5	104.0	111.7	155.1	209.9	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
1.1	-	2.4	1.3	7.5	8.1	12.1	30.4	49.0	96.8	F		
21.0	32.0	51.1	64.8	80.4	84.6	75.2	75.4	85.6	135.8	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
5.5	11.0	16.9	10.6	20.1	22.1	16.2	23.5	49.0	123.9	F		
1.2	11.8	16.6	13.0	16.8	15.2	22.1	39.1	32.1	61.7	M	Peptic ulcer	531-533/K25-K27
-	-	-	2.6	1.3	1.2	4.0	13.8	25.5	78.8	F		
11.6	26.0	29.0	45.4	36.9	67.7	73.0	33.5	58.8	12.3	M	Liver cirrhosis	571/K70, K74
6.7	7.7	8.5	13.2	22.6	26.8	16.2	16.6	25.5	18.0	F		
5.8	1.2	9.7	11.3	5.0	18.6	35.4	53.1	69.5	111.1	M	Renal disease	580-590/N00-N19
1.1	-	3.6	7.9	3.8	19.8	20.2	26.3	51.0	81.1	F		
1.1	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
2.3	-	1.4	4.9	1.7	3.4	6.6	2.8	5.3	6.2	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.1	2.2	-	2.6	2.5	3.5	-	1.4	-	6.8	F		
14.0	18.9	26.2	45.4	48.6	40.6	66.4	72.6	181.8	1296.3	M	Ill-defined causes	780-799/R00-R99
3.3	1.1	6.0	6.6	17.6	15.1	20.2	41.5	111.8	1391.9	F		
33.8	67.5	69.1	97.2	118.9	132.0	185.8	217.9	262.0	500.0	M	Other medical causes	Rest of 001-799/ rest of A00-R99
12.2	17.6	35.1	58.3	51.5	67.5	107.7	113.4	196.1	385.1	F		
284.1	395.3	408.8	541.3	455.6	443.3	385.0	304.5	278.1	463.0	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
59.9	57.1	75.0	96.7	101.8	88.5	95.6	95.4	139.2	349.1	F		
...	...	...	...	...	...	...	...	...	...	M	Motor vehicle traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
9.3	23.7	22.1	37.3	21.8	37.2	31.0	30.7	21.4	-	M	Fire	E890-E899/X00-X09
3.3	4.4	2.4	4.0	8.8	8.1	10.8	2.8	13.7	22.5	F		
62.9	89.9	96.7	105.3	107.2	77.8	86.3	72.6	69.5	148.1	M	Suicide	E950-E959/X60-X84
11.1	13.2	9.7	11.9	16.3	19.8	17.5	20.7	19.6	47.3	F		
31.4	39.1	42.8	38.9	31.8	23.7	17.7	11.2	10.7	24.7	M	Homicide	E960-E969/ X85-X99, Y00-Y09
10.0	5.5	10.9	15.9	6.3	10.5	9.4	4.1	7.8	4.5	F		
85.9	84.5	72.4	61.7	59.7	59.1	45.2	35.8	18.7	16.2	M	POPULATION	
90.2	91.0	82.7	75.5	79.6	85.9	74.3	72.3	51.0	44.4	F	(1000s; UN, 2002 revision)	

LATVIA: 1995, 2000**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1749	57	1	0	56	9	39	150	6	354	1134
35-69	Sm.	3943	1020	630	165	225	249	127	2082	-	465	-
	Total	12037 (33%)	1951 (52%)	666 (95%)	227 (73%)	1058 (21%)	299 (83%)	315 (40%)	5485 (38%)	225	1142 (41%)	2620
70+	Sm.	1084	339	221	34	84	137	7	513	-	88	-
	Total	6557 (17%)	970 (35%)	244 (91%)	58 (59%)	668 (13%)	190 (72%)	53 (13%)	4303 (12%)	27	780 (11%)	234
Any age	Sm.	5027	1359	851	199	309	386	134	2595	-	553	-
	Total	20343 (25%)	2978 (46%)	911 (93%)	285 (70%)	1782 (17%)	498 (78%)	407 (33%)	9938 (26%)	258	2276 (24%)	3988
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1088	51	4	0	47	3	20	86	7	226	695
35-69	Sm.	2683	890	543	154	193	90	95	1253	-	355	-
	Total	8848 (30%)	1773 (50%)	575 (94%)	219 (70%)	979 (20%)	109 (83%)	254 (37%)	3644 (34%)	176	976 (36%)	1916
70+	Sm.	1035	404	263	41	100	73	9	477	-	72	-
	Total	6219 (17%)	1177 (34%)	291 (90%)	69 (59%)	817 (12%)	103 (71%)	65 (14%)	3980 (12%)	25	633 (11%)	236
Any age	Sm.	3718	1294	806	195	293	163	104	1730	-	427	-
	Total	16155 (23%)	3001 (43%)	870 (93%)	288 (68%)	1843 (16%)	215 (76%)	339 (31%)	7710 (22%)	208	1835 (23%)	2847

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		1152.2	607.2	483.0	90.5	80.2	66.9	69.1	69.5	58.2	48.6	28.0	14.3	19.7
2000		1089.8	550.6	468.5	85.9	84.5	72.4	61.7	59.7	59.1	45.2	35.8	18.7	16.2
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		20343	1749	12037	752	1021	1256	1780	2219	2412	2597	1941	1397	3219
2000		16155	1088	8848	442	718	833	1163	1416	2054	2222	2228	1521	2470
Lung cancer														
1995		911	1	666	3	10	30	71	146	193	213	122	67	55
2000		870	4	575	3	11	21	53	111	175	201	175	73	43
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
1995		1950.9*	296.4*	2748.3*	830.9	1273.1	1877.4	2576.0	3192.8	4144.3	5343.6	6932.1	9769.2	16340.1
2000		1579.2*	206.7*	2166.1*	514.6	849.7	1150.6	1884.9	2371.9	3475.5	4915.9	6223.5	8133.7	15246.9
All cancer														
1995		286.8*	9.6*	473.4*	19.9	77.3	192.8	318.4	585.6	881.4	1238.7	1514.3	1783.2	1477.2
2000		285.3*	9.2*	459.8*	22.1	58.0	124.3	332.3	514.2	886.6	1281.0	1650.8	1647.1	1716.0
Lung cancer														
1995		86.3*	0.2*	163.3*	3.3	12.5	44.8	102.7	210.1	331.6	438.3	435.7	468.5	279.2
2000		81.1*	0.7*	151.2*	3.5	13.0	29.0	85.9	185.9	296.1	444.7	488.8	390.4	265.4
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		26.9*	-	53.4*	2.2	15.0	28.4	42.0	79.1	96.2	111.1	110.7	125.9	45.7
2000		27.2*	-	55.5*	2.3	5.9	23.5	50.2	77.1	103.2	126.1	114.5	96.3	61.7
Other cancer														
1995		173.6*	9.4*	256.7*	14.4	49.9	119.6	173.7	296.4	453.6	689.3	967.9	1188.8	1152.3
2000		177.1*	8.5*	253.1*	16.3	39.1	71.8	196.1	251.3	487.3	710.2	1047.5	1160.4	1388.9
Chronic obstructive pulmonary disease (COPD)														
1995		48.3*	1.4*	71.3*	8.8	21.2	22.4	62.2	82.0	123.7	179.0	253.6	293.7	390.9
2000		20.9*	0.5*	29.5*	-	-	5.5	11.3	33.5	52.5	104.0	111.7	155.1	209.9
Other respiratory disease														
1995		38.0*	6.7*	68.1*	30.9	49.9	65.8	97.0	64.7	96.2	72.0	71.4	69.9	116.8
2000		32.5*	3.8*	58.4*	21.0	32.0	51.1	64.8	80.4	84.6	75.2	75.4	85.6	135.8
Vascular disease														
1995		975.1*	24.2*	1292.9*	219.9	395.3	692.1	1088.3	1495.0	2159.8	3000.0	4150.0	6293.7	11375.6
2000		768.5*	15.3*	933.7*	92.0	189.3	348.1	649.9	996.6	1665.0	2595.1	3555.9	5278.1	10617.3
Liver cirrhosis														
1995		23.8*	1.0*	49.0*	17.7	39.9	38.9	55.0	63.3	68.7	59.7	46.4	62.9	25.4
2000		19.4*	1.3*	41.4*	11.6	26.0	29.0	45.4	36.9	67.7	73.0	33.5	58.8	12.3
Other medical causes														
1995		224.1*	65.9*	246.9*	118.2	178.3	270.6	277.9	313.7	250.9	318.9	539.3	958.0	2497.5
2000		188.7*	53.0*	227.1*	83.8	149.1	183.7	239.9	254.6	275.8	402.7	491.6	631.0	2092.6
All non-medical causes														
1995		354.9*	187.6*	546.6*	415.5	511.2	594.9	677.3	588.5	563.6	475.3	357.1	307.7	456.9
2000		263.9*	123.6*	416.2*	284.1	395.3	408.8	541.3	455.6	443.3	385.0	304.5	278.1	463.0

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: LATVIA

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	584	56	1	1	54	11	29	33	4	233	218
35-69	Sm.	196	43	34	4	5	18	1	114	-	20	-
	Total	5616 (3%)	1340 (3%)	89 (38%)	28 (14%)	1223 (0%)	79 (23%)	80 (1%)	2668 (4%)	154	601 (3%)	694
70+	Sm.	219	37	30	1	6	34	1	126	-	21	-
	Total	12388 (2%)	1102 (3%)	78 (38%)	16 (6%)	1008 (1%)	138 (25%)	63 (2%)	9102 (1%)	35	1654 (1%)	294
Any age	Sm.	415	80	64	5	11	52	2	240	-	41	-
	Total	18588 (2%)	2498 (3%)	168 (38%)	45 (11%)	2285 (0%)	228 (23%)	172 (1%)	11803 (2%)	193	2488 (2%)	1206
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	373	38	2	0	36	1	4	18	4	146	162
35-69	Sm.	73	18	15	0	3	3	2	36	-	14	-
	Total	4107 (2%)	1175 (2%)	65 (23%)	15 (0%)	1095 (0%)	26 (12%)	84 (2%)	1752 (2%)	83	518 (3%)	469
70+	Sm.	340	67	52	4	11	35	3	204	-	31	-
	Total	11570 (3%)	1355 (5%)	102 (51%)	17 (24%)	1236 (1%)	90 (39%)	97 (3%)	8386 (2%)	33	1314 (2%)	295
Any age	Sm.	413	85	67	4	14	38	5	240	-	45	-
	Total	16050 (3%)	2568 (3%)	169 (40%)	32 (13%)	2367 (1%)	117 (32%)	185 (3%)	10156 (2%)	120	1978 (2%)	926

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+ / NK
POPULATION (1000s; UN, 2002 revision)													
1995	1345.4	595.3	600.1	95.0	87.3	77.1	84.2	90.7	81.0	84.8	65.0	32.0	53.0
2000	1282.7	535.8	579.2	90.2	91.0	82.7	75.5	79.6	85.9	74.3	72.3	51.0	44.4
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	18588	584	5616	218	339	468	652	1043	1149	1747	2328	2032	8028
2000	16050	373	4107	149	229	312	453	643	985	1336	2069	2750	6751
Lung cancer													
1995	168	1	89	1	3	3	4	16	29	33	32	17	29
2000	169	2	65	1	1	5	9	15	15	19	36	39	27
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	954.4*	105.1*	946.8*	229.5	388.3	607.0	774.3	1149.9	1418.5	2060.1	3581.5	6350.0	15147.2
2000	814.0*	78.9*	735.2*	165.2	251.6	377.3	600.0	807.8	1146.7	1798.1	2861.7	5392.2	15205.0
All cancer													
1995	143.1*	9.6*	226.5*	46.3	74.5	160.8	192.4	277.8	361.7	471.7	641.5	796.9	811.3
2000	139.8*	6.8*	210.4*	38.8	90.1	118.5	181.5	245.0	298.0	500.7	603.0	903.9	1031.5
Lung cancer													
1995	9.0*	0.2*	15.1*	1.1	3.4	3.9	4.8	17.6	35.8	38.9	49.2	53.1	54.7
2000	8.9*	0.4*	11.7*	1.1	1.1	6.0	11.9	18.8	17.5	25.6	49.8	76.5	60.8
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	2.5*	0.2*	4.7*	-	-	-	4.8	6.6	7.4	14.2	12.3	3.1	13.2
2000	1.7*	-	2.7*	-	1.1	-	1.3	3.8	3.5	9.4	6.9	7.8	18.0
Other cancer													
1995	131.6*	9.2*	206.7*	45.3	71.0	156.9	182.9	253.6	318.5	418.6	580.0	740.6	743.4
2000	129.3*	6.4*	195.9*	37.7	87.9	112.5	168.2	222.4	277.1	465.7	546.3	819.6	952.7
Chronic obstructive pulmonary disease (COPD)													
1995	12.0*	1.9*	13.3*	4.2	3.4	9.1	3.6	18.7	22.2	31.8	60.0	71.9	143.4
2000	5.6*	0.2*	4.7*	1.1	-	2.4	1.3	7.5	8.1	12.1	30.4	49.0	96.8
Other respiratory disease													
1995	11.2*	5.3*	13.4*	8.4	16.0	13.0	7.1	18.7	19.8	10.6	26.2	34.4	66.0
2000	10.6*	0.8*	14.6*	5.5	11.0	16.9	10.6	20.1	22.1	16.2	23.5	49.0	123.9
Vascular disease													
1995	559.5*	5.2*	450.4*	49.5	105.4	192.0	325.4	529.2	727.2	1224.1	2406.2	4568.8	11464.2
2000	475.4*	3.3*	316.4*	26.6	58.2	99.2	197.4	310.3	563.4	959.6	1838.2	3762.7	11572.1
Liver cirrhosis													
1995	12.4*	0.6*	25.9*	8.4	11.5	23.3	19.0	46.3	39.5	33.0	21.5	34.4	18.9
2000	7.6*	0.7*	14.5*	6.7	7.7	8.5	13.2	22.6	26.8	16.2	16.6	25.5	18.0
Other medical causes													
1995	134.0*	45.5*	100.9*	42.1	52.7	77.8	90.3	132.3	123.5	187.5	296.9	662.5	2356.6
2000	112.7*	36.8*	92.6*	26.6	27.5	56.8	99.3	100.5	139.7	197.8	254.5	462.7	2013.5
All non-medical causes													
1995	82.1*	37.0*	116.6*	70.5	124.9	131.0	136.6	126.8	124.7	101.4	129.2	181.3	286.8
2000	62.3*	30.3*	82.1*	59.9	57.1	75.0	96.7	101.8	88.5	95.6	95.4	139.2	349.1

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

LATVIA: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.1	– / 0.4	–
35–69	2.7 / 8.8	0.1 / 4.1	19 years
70+	1.0 / 6.2	0.3 / 12	8 years
All ages	3.7 / 16	0.4 / 16	16 years

Deaths, by cause, attributed to SMOKING / total deaths in the year 2000

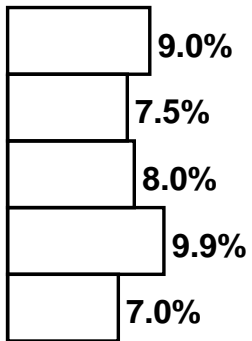
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 4	543/575	263/291	806/870	– / 2	15/65	52/102	67/169
All Cancer	– / 51	890/1773 (50%)	404/1177 (34%)	1294/3001	– / 38	18/1175 (2%)	67/1355 (5%)	85/2568
Vascular	– / 86	1253/3644	477/3980	1730/7710	– / 18	36/1752	204/8386	240/10156
Respiratory	– / 23	185/363	82/168	267/554	– / 5	5/110	38/187	43/302
All Other	– / 928	355/3068	72/894	427/4890	– / 312	14/1070	31/1642	45/3024
All Causes	– / 1088	2683/8848 (30%)	1035/6219 (17%)	3718/16155	– / 373	73/4107 (2%)	340/11570 (3%)	413/16050

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	1.3 / 3.0 (43%)	0.1 / 2.6 (3%)	1.4 / 5.6 (25%)
All Causes	3.7 / 16 (23%)	0.4 / 16 (3%)	4.1 / 32 (13%)

1980-2000: LATVIA

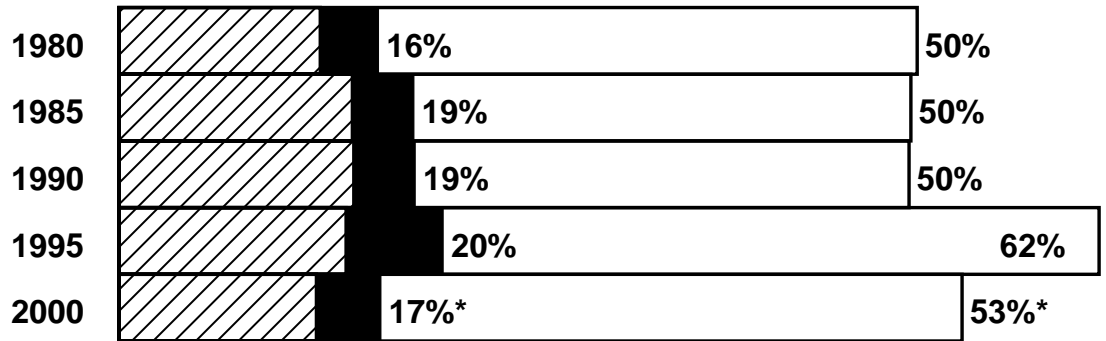
Population risk of dying at ages 0–34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

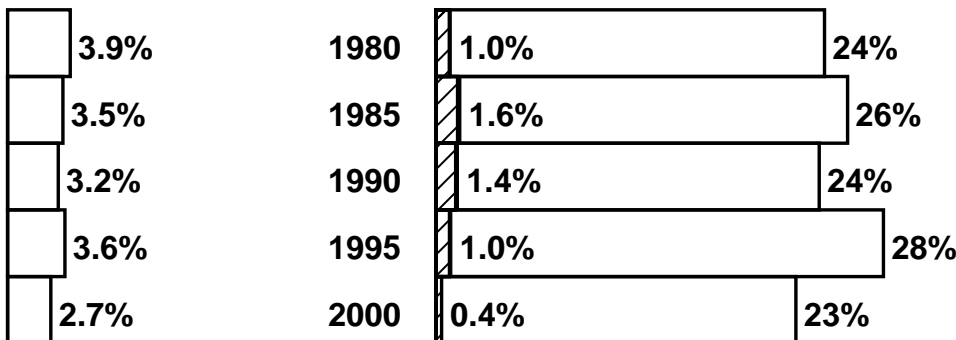
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 53 would die before age 70 (with 17 of these deaths attributed to smoking)

FEMALE



LATVIA: 1980-2000

Numbers of deaths attributed to smoking / total deaths

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	-/1700	2309/7268 (32%)	1008/6675 (15%)	3317/15643	-/702	165/4218 (4%)	123/11537 (1%)	288/16457
1985	-/1500	2801/7222 (39%)	935/7239 (13%)	3736/15961	-/661	250/4417 (6%)	86/13127 (0.7%)	336/18205
1990	-/1702	3223/8526 (38%)	1033/6723 (15%)	4256/16951	-/656	280/4816 (6%)	257/12389 (2%)	537/17861
1995	-/1749	3943/12037 (33%)	1084/6557 (17%)	5027/20343	-/584	196/5616 (3%)	219/12388 (2%)	415/18588
2000	-/1088	2683/8848 (30%)	1035/6219 (17%)	3718/16155	-/373	73/4107 (2%)	340/11570 (3%)	413/16050

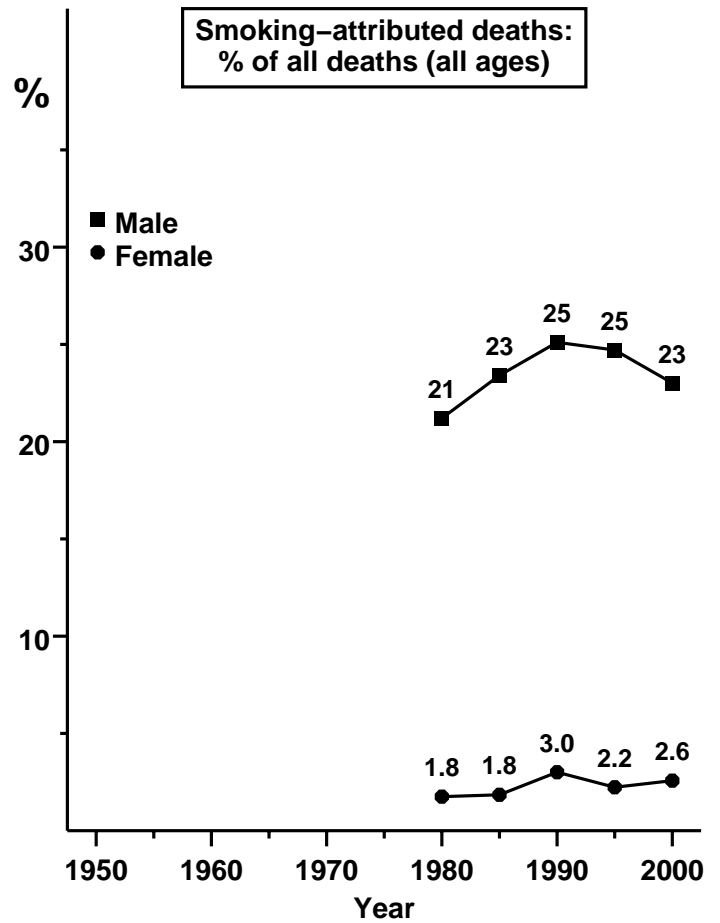
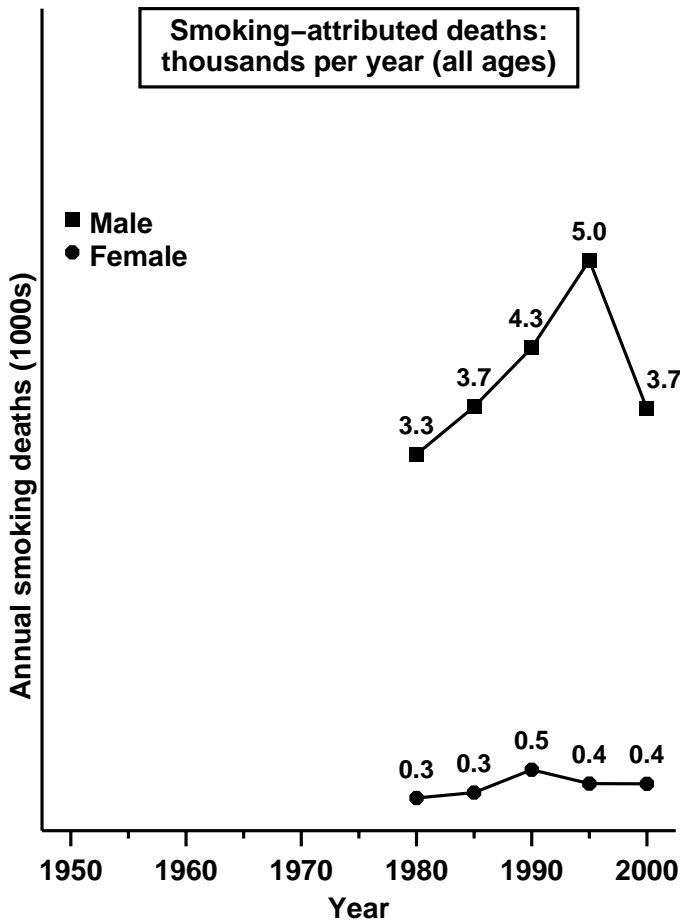
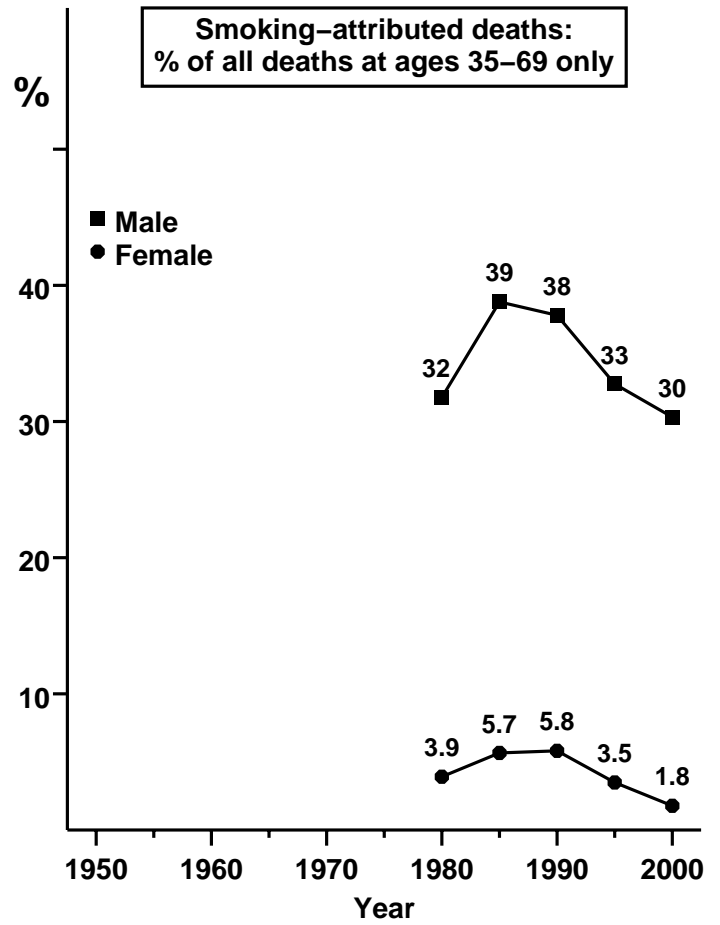
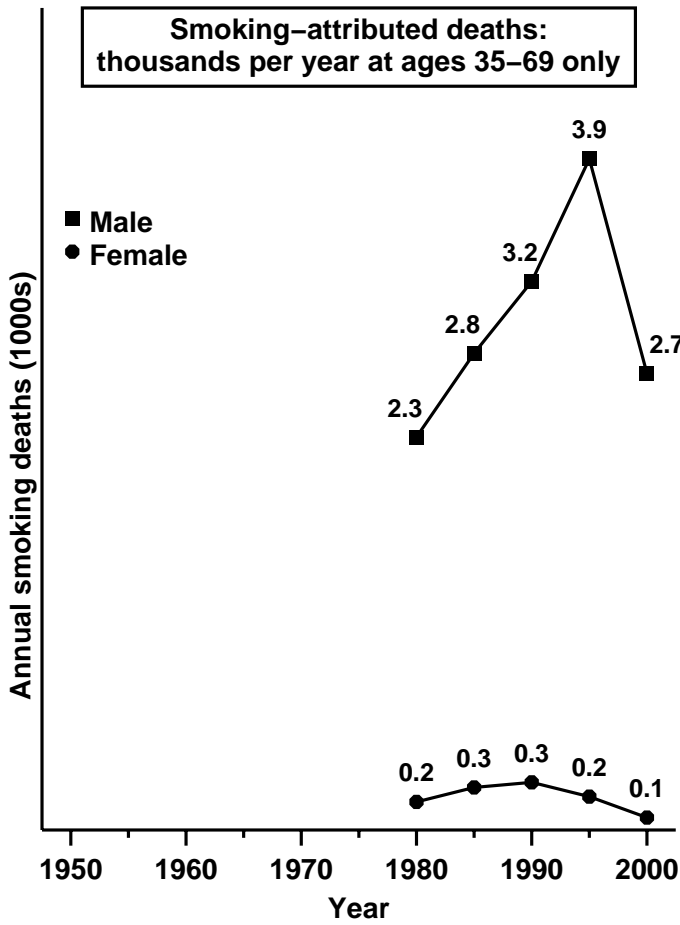
20-year total* (thousands), mid-1980 to mid-2000: 95 / 731

1980-2000 by age & sex:

-/32	67/193 (35%)	20/138 (15%)	88/363	-/12	4.5/100 (4%)	3.0/255 (1%)	7.5/368
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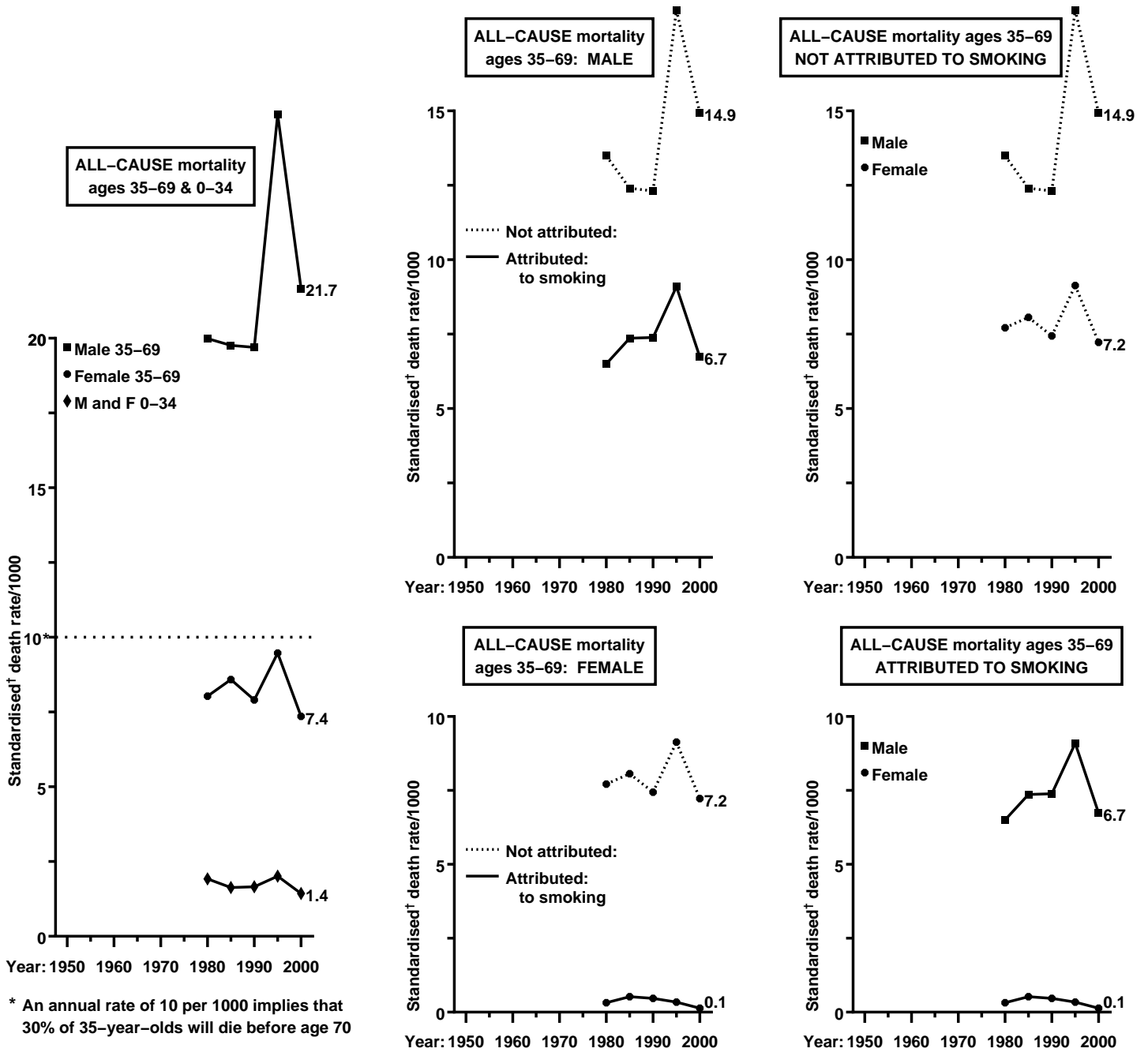
*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1980-2000: LATVIA



LATVIA: 1980-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

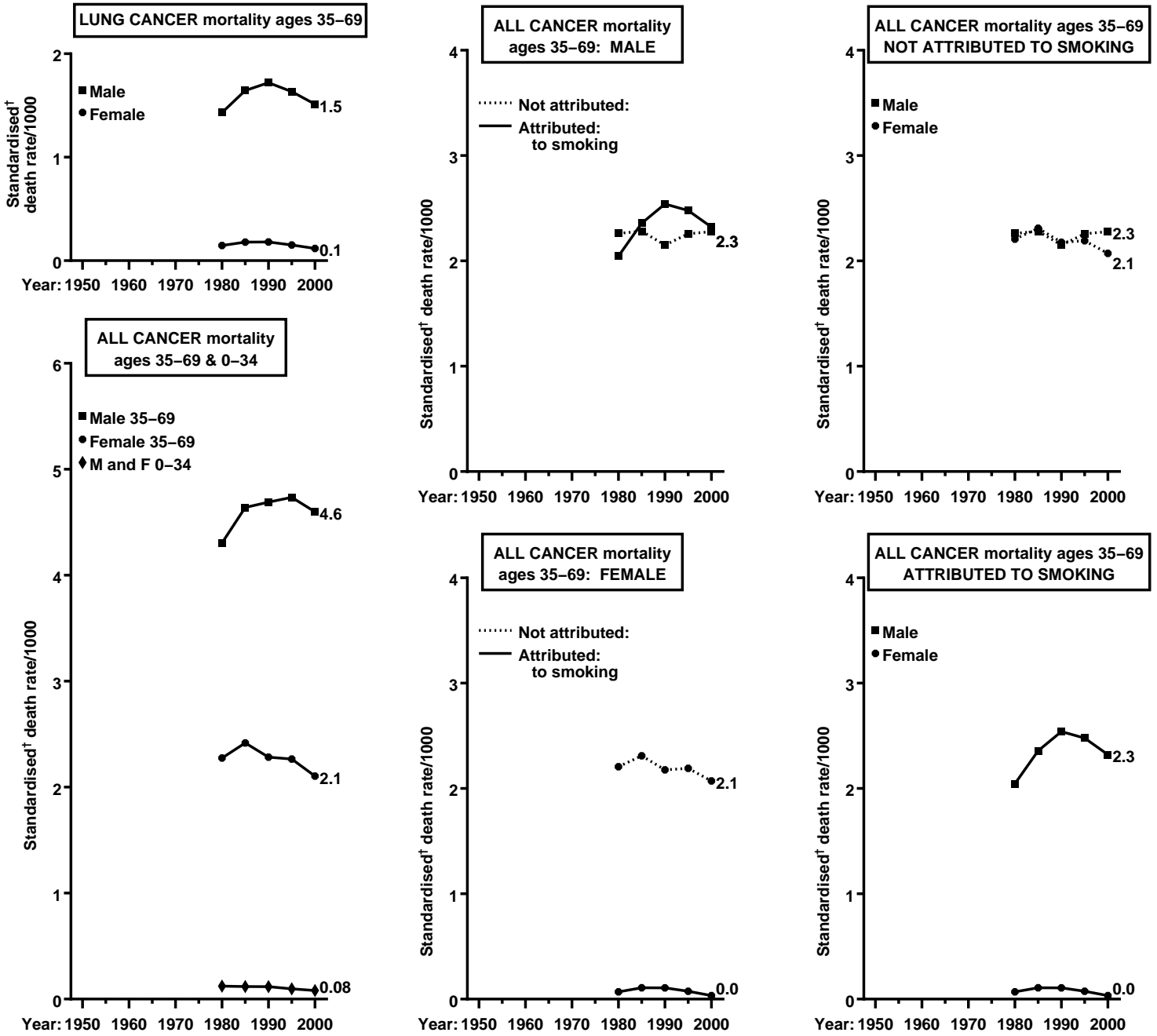


† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955		
1960		
1965		
1970		
1975		
1980	-	2.68	6.50	13.5	13.7	68.7	-	1.15	0.32	7.71	0.89	49.1	-	51.7		
1985	-	2.24	7.36	12.4	12.4	69.3	-	1.01	0.52	8.06	0.70	48.0	-	48.0		
1990	-	2.38	7.38	12.3	15.7	67.7	-	0.93	0.46	7.44	1.14	48.5	-	48.5		
1995	-	2.96	9.09	18.4	16.1	67.4	-	1.05	0.34	9.13	1.39	39.9	-	39.9		
2000	-	2.07	6.73	14.9	13.5	58.3	-	0.79	0.13	7.22	1.39	39.9	-	39.9		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

Trends in ALL CANCER mortality attributed and not attributed to smoking



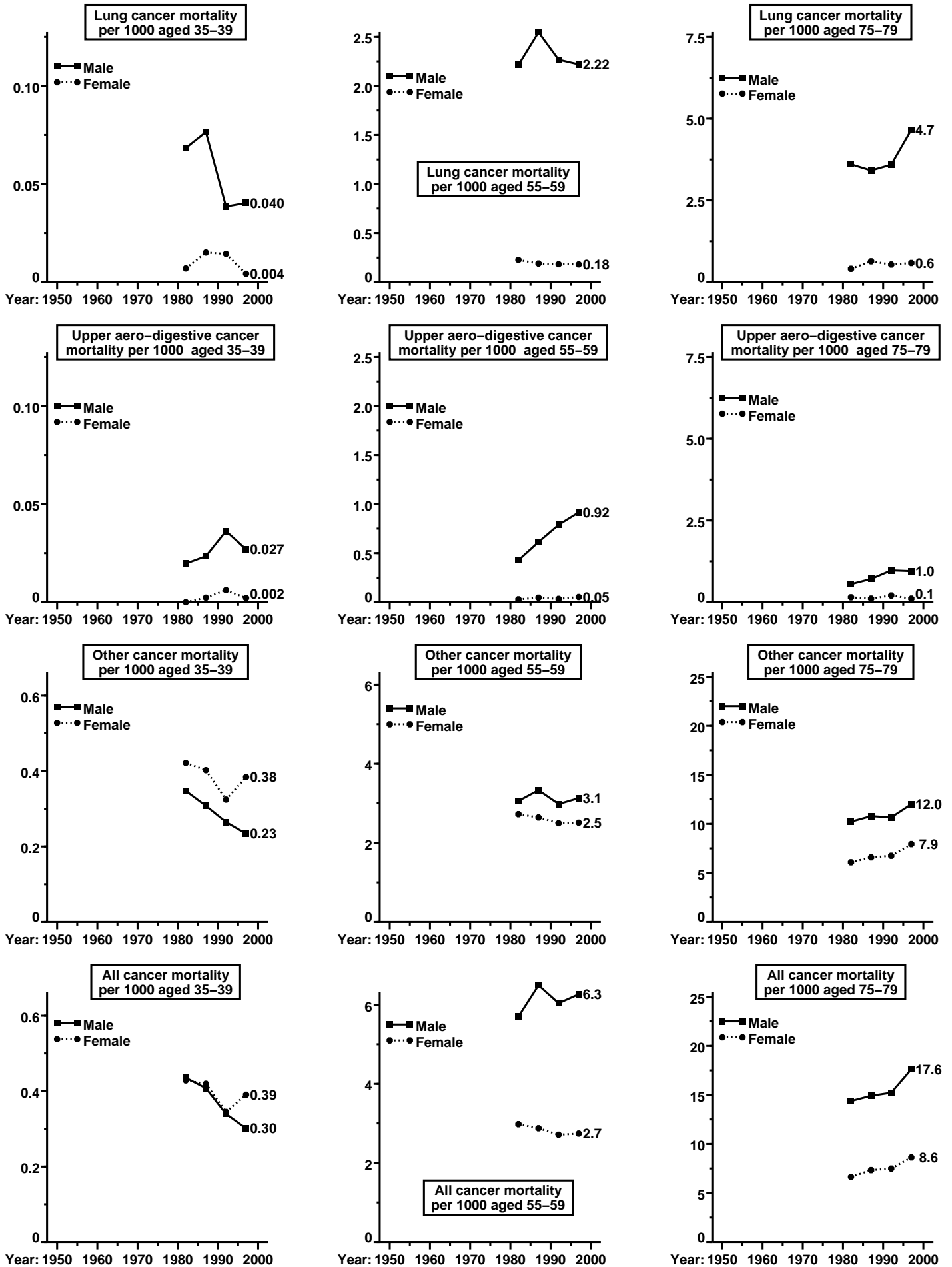
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955		
1960		
1965		
1970		
1975		
1980	-	0.14	2.04	2.26	4.12	8.07	-	0.10	0.07	2.21	0.16	6.07	-	0.07		
1985	-	0.11	2.36	2.28	3.90	9.61	-	0.13	0.11	2.31	0.13	6.35	-	0.11		
1990	-	0.12	2.54	2.15	5.49	9.66	-	0.11	0.11	2.18	0.26	6.58	-	0.11		
1995	-	0.10	2.48	2.26	6.16	10.3	-	0.10	0.07	2.19	0.25	6.94	-	0.10		
2000	-	0.09	2.32	2.28	5.95	10.5	-	0.07	0.03	2.07	0.39	7.14	-	0.07		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

LATVIA: 1980-2000

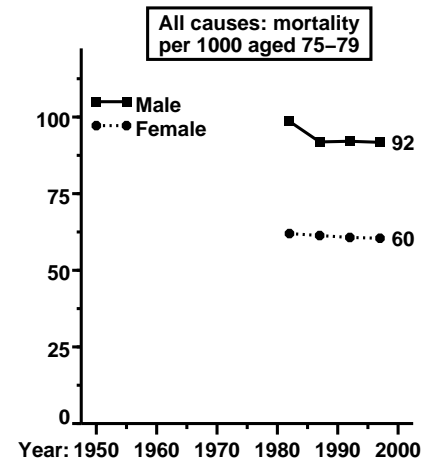
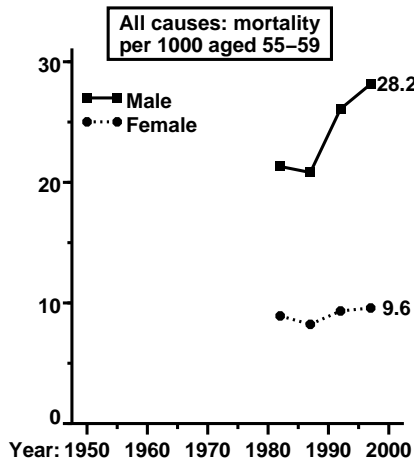
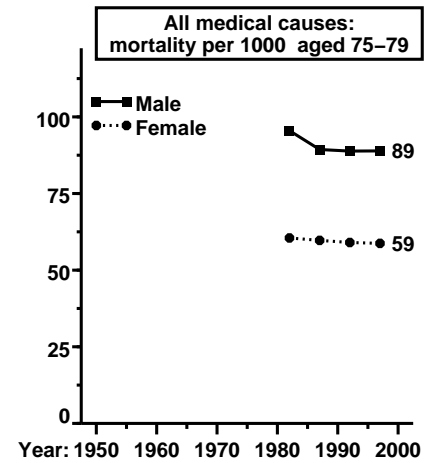
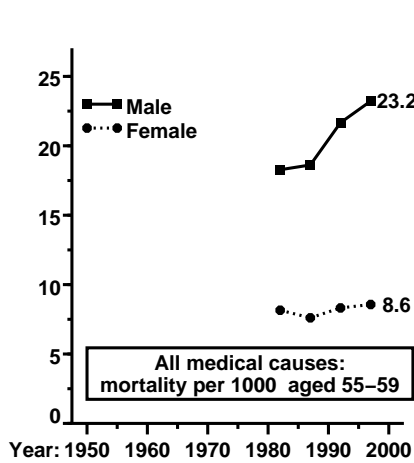
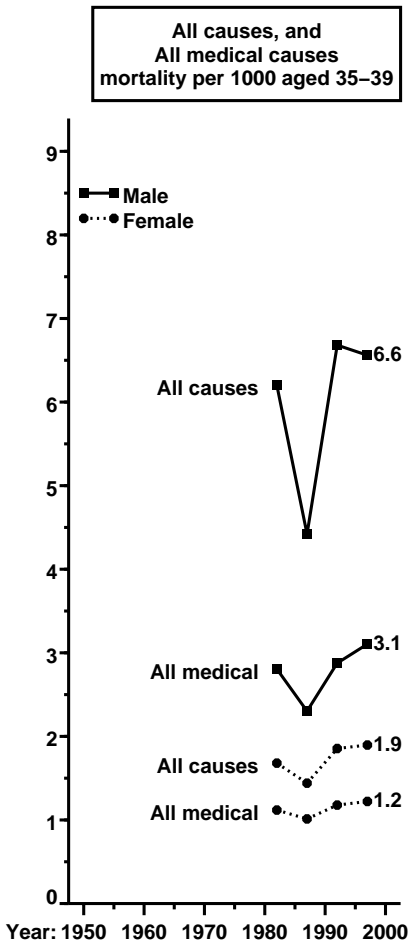
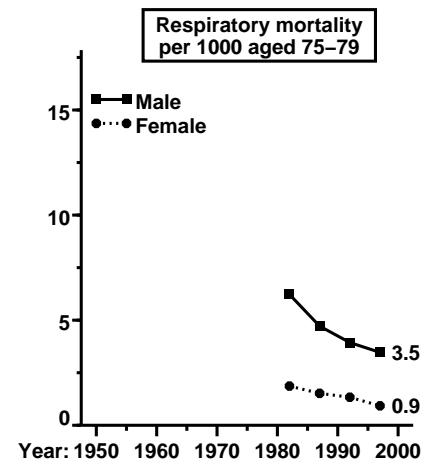
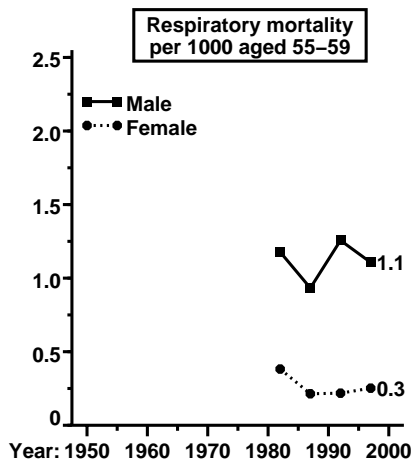
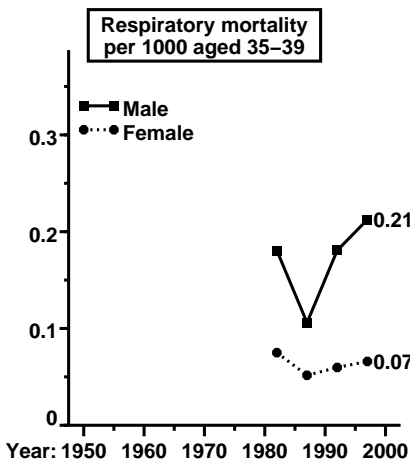
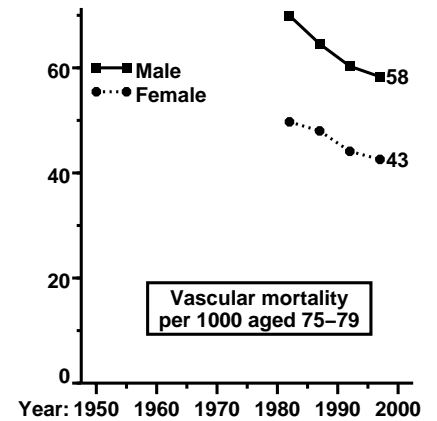
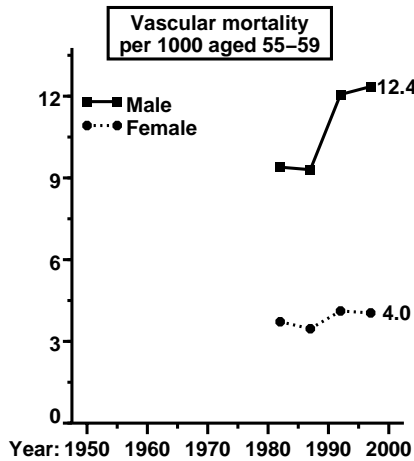
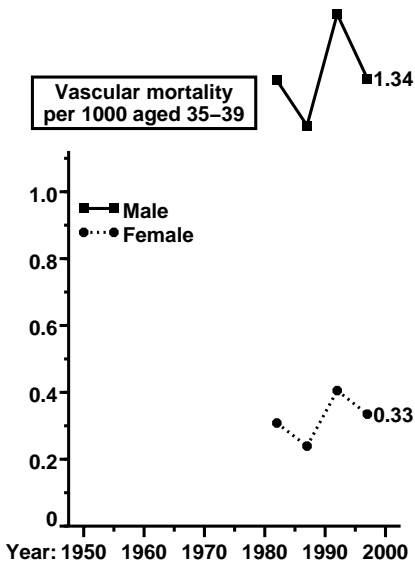
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1980-84,.....,1995-99; year 2000 on pages 272-273

1980-2000: LATVIA

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1980-84,.....,1995-99; year 2000 on pages 272-273

LITHUANIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	20408	1610	10401	1401.9	192.6	1793.4	219.7	34.7	30.7	130.6	259.5	289.9	383.0
	F	18511	568	4794	703.4	73.2	639.2	206.7	18.1	21.2	44.0	55.5	65.7	100.8
Tuberculosis	M	292	9	244	19.3	1.0	37.8	-	0.8	-	-	-	3.3	3.1
	F	73	5	42	3.4	0.6	5.4	-	-	-	-	2.6	-	1.5
HIV	M	5	2	3	0.3	0.2	0.4	-	-	-	-	-	0.8	0.8
	F	1	1	-	0.1	0.1	-	-	-	-	-	0.9	-	-
Other infective and parasitic	M	68	15	26	4.6	1.9	4.4	5.2	1.7	-	1.5	1.7	1.7	1.6
	F	51	12	21	2.5	1.7	2.7	8.9	-	-	0.8	-	-	2.3
ALL CANCER	M	4320	59	2492	293.5	6.8	455.3	5.2	4.1	3.5	9.7	5.2	10.0	10.2
	F	3403	84	1647	141.7	9.8	219.5	5.6	2.6	4.4	2.3	13.2	15.6	25.2
Mouth and pharynx cancer	M	206	2	170	14.2	0.2	29.5	-	-	-	0.7	-	0.8	-
	F	40	-	22	1.7	-	3.0	-	-	-	-	-	-	-
Oesophagus cancer	M	122	-	92	8.4	-	16.0	-	-	-	-	-	-	-
	F	24	-	11	0.9	-	1.5	-	-	-	-	-	-	-
Stomach cancer	M	502	3	280	34.4	0.3	51.0	-	-	-	-	-	-	2.4
	F	346	7	139	13.7	0.8	18.6	-	-	-	-	1.8	0.8	3.1
Colorectal cancer	M	423	1	211	29.2	0.1	39.4	-	-	-	-	-	-	0.8
	F	404	1	152	15.5	0.1	20.5	-	-	-	-	0.9	-	-
Liver cancer	M	83	1	44	5.5	0.1	8.2	-	-	-	-	-	0.8	-
	F	50	-	25	2.1	-	3.4	-	-	-	-	-	-	-
Pancreas cancer	M	219	2	124	15.1	0.2	22.6	-	-	-	-	-	-	1.6
	F	185	1	63	7.0	0.1	8.6	-	-	-	-	-	-	0.8
Larynx cancer	M	123	-	98	8.6	-	17.6	-	-	-	-	-	-	-
	F	4	-	2	0.2	-	0.3	-	-	-	-	-	-	-
Lung cancer	M	1178	2	752	78.5	0.2	139.6	-	-	-	-	-	-	1.6
	F	197	2	70	7.5	0.2	9.4	-	-	-	-	-	0.8	0.8
Malignant melanoma	M	31	2	22	2.0	0.2	3.5	-	-	-	-	-	0.8	0.8
	F	55	6	33	2.5	0.7	4.3	-	-	-	-	0.9	1.6	2.3
Female breast cancer	F	549	5	346	24.8	0.6	46.0	-	-	-	-	0.9	-	3.1
Cervix cancer	F	251	18	165	11.8	2.0	20.9	-	-	-	-	-	5.7	8.4
Other uterine cancer	F	150	-	76	6.1	-	10.3	-	-	-	-	-	-	-
Ovarian cancer	F	291	5	167	12.9	0.5	22.2	-	-	0.7	-	-	0.8	2.3
Prostate cancer	M	413	-	125	29.4	-	24.8	-	-	-	-	-	-	-
Bladder cancer	M	175	-	83	11.8	-	15.6	-	-	-	-	-	-	-
	F	52	-	13	1.9	-	1.8	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	595	22	359	39.7	2.6	63.2	2.1	3.3	1.4	2.2	3.4	5.0	0.8
	F	572	21	267	23.6	2.5	35.8	3.3	1.7	2.9	2.3	3.5	2.5	1.5
Hodgkin's disease	M	15	3	10	1.0	0.3	1.8	-	-	-	0.7	0.9	0.8	-
	F	16	4	8	0.8	0.5	1.0	-	-	-	-	2.6	0.8	-
Myeloma and non- Hodgkin lymphomas	M	98	9	51	6.4	1.0	9.4	-	-	2.1	3.0	-	0.8	0.8
	F	87	2	40	3.5	0.2	5.5	-	-	-	-	0.9	0.8	-
Leukaemia	M	137	12	71	9.3	1.5	13.1	3.1	0.8	-	3.0	0.9	0.8	1.6
	F	130	12	48	5.3	1.5	6.6	2.2	0.9	0.7	-	1.8	1.6	3.1
Diabetes	M	99	7	58	6.4	0.8	9.8	-	-	-	-	-	2.5	3.1
	F	142	8	61	5.9	0.9	8.0	-	-	-	-	0.9	3.3	2.3
ALL VASCULAR DISEASE	M	9077	88	3710	649.4	10.2	674.8	2.1	1.7	0.7	2.2	8.6	17.4	38.5
	F	11853	25	1719	411.7	3.1	234.4	7.8	0.7	0.7	1.5	1.8	3.3	6.9
Rheumatic heart disease and fever	M	108	5	74	7.3	0.6	12.8	-	-	-	-	-	0.8	3.1
	F	142	1	79	5.9	0.1	10.7	-	-	0.7	-	-	-	-
Hypertensive disease	M	131	2	100	8.8	0.2	17.8	-	-	-	-	-	0.8	0.8
	F	149	1	57	5.7	0.1	7.8	-	-	-	-	-	-	0.8
Ischaemic heart disease	M	5685	31	2219	409.5	3.5	406.9	-	-	-	-	1.7	6.6	16.5
	F	6928	1	772	236.3	0.1	105.7	-	-	-	-	-	0.8	-
Pulmonary embolism and other venous	M	125	2	63	8.5	0.2	11.4	-	-	-	0.7	-	-	0.8
	F	150	1	60	5.7	0.1	8.2	-	-	-	-	-	0.8	-
Cerebrovascular disease	M	1764	9	630	126.5	1.1	117.8	1.0	-	-	-	0.9	-	5.5
	F	3133	6	514	109.0	0.7	70.1	-	-	-	0.8	-	0.8	3.1
Other vascular disease	M	1264	39	624	88.9	4.5	108.1	1.0	1.7	0.7	1.5	6.0	9.1	11.8
	F	1351	15	237	49.0	2.0	31.9	7.8	-	-	0.8	1.8	0.8	3.1
Chronic obstructive pulmonary disease	M	710	3	241	50.0	0.3	46.5	-	-	0.7	-	-	-	1.6
	F	340	-	75	12.1	-	10.2	-	-	-	-	-	-	-
Other respiratory disease	M	338	31	178	23.0	4.0	30.1	13.6	-	0.7	2.2	2.6	2.5	6.3
	F	172	19	59	7.5	2.8	7.8	15.6	-	0.7	-	0.9	0.8	1.5
Peptic ulcer	M	99	4	68	6.5	0.5	12.3	-	-	0.7	-	0.9	1.7	-
	F	69	-	16	2.5	-	2.2	-	-	-	-	-	-	-
Liver cirrhosis	M	340	17	298	22.3	2.0	47.2	-	-	-	-	1.7	4.2	7.8
	F	199	3	156	9.9	0.3	20.4	-	-	-	-	0.9	-	1.5
Renal disease	M	122	3	55	8.7	0.3	9.5	-	-	-	0.7	0.9	0.8	-
	F	140	5	45	5.3	0.6	6.1	-	-	-	-	-	2.5	1.5
Pregnancy, birth Congenital and perinatal causes	F	3	2	1	0.2	0.3	0.1	-	-	-	-	1.8	-	-
	M	138	127	10	11.0	18.5	1.4	121.3	1.7	3.5	1.5	0.9	-	0.8
	F	139	128	8	11.5	19.8	1.0	128.9	1.7	2.2	2.3	1.8	-	1.5
Ill-defined causes	M	189	34	119	12.5	4.2	18.2	7.3	0.8	-	1.5	5.2	5.0	9.4
	F	111	12	34	4.6	1.5	4.4	3.3	-	0.7	-	1.8	1.6	3.1
Other medical causes	M	666	70	365	44.8	8.4	60.7	11.5	2.5	2.1	4.5	4.3	12.5	21.2
	F	658	45	232	26.9	5.7	31.0	14.4	5.2	3.7	3.1	5.3	1.6	6.9
ALL NON- MEDICAL CAUSES	M	3945	1141	2534	249.6	133.5	385.0	53.3	21.5	18.9	106.7	227.7	227.6	278.6
	F	1157	219	678	57.5	25.9	86.0	22.2	8.6	8.8	34.0	23.8	36.9	46.6
Motor vehicle traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	115	31	72	7.6	3.8	11.3	8.4	-	-	0.7	4.3	3.3	10.2
	F	36	1	20	1.6	0.1	2.7	-	0.9	-	-	-	-	-
Suicide	M	1317	358	874	83.6	41.5	131.2	-	0.8	3.5	27.6	80.8	79.7	98.1
	F	314	56	195	15.6	6.3	24.2	-	-	-	15.5	4.4	11.5	13.0
Homicide	M	250	85	151	15.8	9.9	22.4	2.1	-	0.7	7.5	13.7	20.8	24.3
	F	95	24	50	4.9	2.9	6.1	3.3	-	0.7	0.8	2.6	4.1	8.4
POPULATION: (1000s; UN, 2002 revision)			M=male		1636.1	858.0	675.8	95.6	121.0	143.2	134.0	116.4	120.4	127.4
			F=female		1864.4	838.1	807.1	90.0	115.8	136.7	129.4	113.5	121.8	130.9

2000: LITHUANIA

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
470.4	674.5	1106.8	1557.8	2105.8	2797.2	3841.6	5312.0	7913.4	15060.9	M	ALL CAUSES	001-999/A00-Y89
131.6	197.0	384.9	468.3	738.7	987.9	1566.1	2635.5	4323.4	13043.4	F		
19.2	33.8	33.9	45.4	55.4	45.2	31.7	32.9	46.9	39.1	M	Tuberculosis	010-018, 137/ A15-A19, B90
3.6	3.6	5.4	6.6	9.6	4.7	3.9	10.9	16.3	8.3	F		
-	-	2.0	1.1	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
1.5	3.1	1.0	5.7	3.7	6.5	9.0	21.3	39.7	21.7	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.4	2.2	0.9	0.9	4.8	2.8	5.9	7.6	7.4	10.0	F		
31.8	71.5	172.7	371.9	556.0	811.4	1171.9	1476.7	1931.4	2052.2	M	ALL CANCER	140-208/C00-C97
33.1	71.4	151.1	177.9	265.2	358.5	479.3	618.1	755.2	993.3	F		
1.5	4.7	24.0	43.1	40.6	50.4	42.2	29.1	43.3	30.4	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	1.8	2.8	7.7	4.7	3.9	5.4	10.4	10.0	F		
-	5.5	11.0	18.1	29.5	22.0	25.6	21.3	39.7	34.8	M	Oesophagus cancer	150/C15
-	0.7	0.9	-	-	5.6	3.0	3.3	3.0	13.4	F		
5.2	11.0	12.0	42.0	67.7	85.3	134.2	158.9	259.9	282.6	M	Stomach cancer	151/C16
3.6	4.3	12.6	13.2	17.4	27.9	51.3	62.0	81.6	146.9	F		
1.5	3.9	13.0	28.3	50.4	59.4	119.2	162.8	209.4	300.0	M	Colorectal cancer	153, 154/C18-C21
2.2	4.3	7.2	8.5	30.9	35.4	55.2	76.2	115.7	172.0	F		
-	1.6	2.0	5.7	7.4	18.1	22.6	36.8	43.3	30.4	M	Liver cancer	155.0, 155.1/C22
-	0.7	1.8	1.9	4.8	8.4	5.9	12.0	7.4	15.0	F		
2.2	1.6	3.0	29.5	34.4	37.5	49.8	77.5	108.3	100.0	M	Pancreas cancer	157/C25
-	0.7	3.6	3.8	10.6	18.6	22.7	42.4	57.9	71.8	F		
-	0.8	9.0	24.9	22.1	36.2	30.2	17.4	25.3	39.1	M	Larynx cancer	161/C32
-	-	-	-	1.0	0.9	-	1.1	1.5	-	F		
3.7	16.5	55.9	82.8	167.3	264.9	386.1	436.0	458.5	313.0	M	Lung cancer	162/C33, C34
0.7	2.2	6.3	5.7	8.7	17.7	24.7	44.6	59.3	73.5	F		
3.0	0.8	1.0	4.5	6.2	7.8	1.5	9.7	-	8.7	M	Malignant melanoma	172/C43
0.7	4.3	1.8	2.8	5.8	4.7	9.9	7.6	7.4	6.7	F		
5.8	13.7	42.3	51.1	61.7	69.8	77.9	77.3	92.0	108.5	F	Female breast cancer	174/C50
9.3	21.6	32.4	12.3	17.4	20.5	32.5	32.6	31.2	28.4	F	Cervix cancer	180/C53
-	2.2	3.6	4.7	17.4	19.6	24.7	25.0	46.0	33.4	F	Other uterine cancer	179, 182/C54, C55
4.3	6.5	15.3	30.3	27.0	36.3	35.5	53.3	41.5	70.1	F	Ovarian cancer	183.0/C56
-	0.8	1.0	5.7	23.4	38.8	104.1	145.3	361.0	491.3	M	Prostate cancer	185/C61
0.7	3.1	2.0	10.2	11.1	32.3	49.8	81.4	101.1	95.7	M	Bladder cancer	188/C67
-	0.7	-	0.9	1.9	2.8	5.9	13.1	11.9	31.7	F		
10.4	18.1	33.9	60.1	67.7	115.0	137.3	224.8	180.5	208.7	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
5.8	7.9	17.1	30.3	37.6	62.4	89.7	118.6	127.6	148.6	F		
-	-	-	2.3	3.7	5.2	1.5	3.9	-	-	M	Hodgkin's disease	201/C81
0.7	0.7	-	1.9	1.0	2.8	-	2.2	1.5	1.7	F		
2.2	2.4	2.0	7.9	2.5	12.9	36.2	29.1	39.7	52.2	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
-	-	0.9	2.8	9.6	11.2	13.8	20.7	25.2	15.0	F		
1.5	0.8	3.0	6.8	22.1	25.8	31.7	42.6	61.4	65.2	M	Leukaemia	204-208/C91-C95
-	0.7	3.6	4.7	4.8	9.3	22.7	20.7	34.1	46.7	F		
4.4	2.4	8.0	10.2	14.8	9.0	19.6	52.3	18.1	8.7	M	Diabetes	250/E10-E14
2.9	2.9	1.8	5.7	12.5	19.6	10.8	31.6	37.1	31.7	F		
62.9	141.5	276.4	476.2	798.3	1178.3	1790.3	2777.1	4595.7	11187.0	M	ALL VASCULAR DISEASE	390-459/I00-199
13.7	24.5	73.7	120.2	240.1	379.0	789.9	1606.1	3019.3	11015.0	F		
3.0	3.9	8.0	12.5	17.2	19.4	25.6	27.1	18.1	43.5	M	Rheumatic heart disease and fever	390-398/I00-109
1.4	-	1.8	8.5	15.4	26.1	21.7	27.2	29.7	28.4	F		
1.5	3.9	7.0	20.4	20.9	34.9	36.2	29.1	25.3	30.4	M	Hypertensive disease	401-405/I10-I15
-	-	3.6	5.7	9.6	11.2	24.7	32.6	43.0	53.4	F		
28.1	70.8	159.7	292.5	477.2	706.7	1113.1	1750.0	2935.0	7473.9	M	Ischaemic heart disease	410-414/I20-I25
3.6	7.9	21.6	45.4	85.8	188.1	387.6	881.4	1678.0	7035.1	F		
2.2	0.8	8.0	3.4	13.5	22.0	30.2	42.6	86.6	60.9	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.7	1.4	0.9	6.6	4.8	10.2	32.5	31.6	37.1	58.4	F		
7.4	21.2	33.9	45.4	137.8	209.3	369.5	567.8	1101.1	2291.3	M	Cerebrovascular disease	430-438/I60-169
4.3	7.9	27.9	29.3	65.6	104.3	251.5	475.5	942.1	2572.6	F		
20.7	40.9	59.9	102.0	131.6	186.0	215.7	360.5	429.6	1287.0	M	Other vascular disease	Rest of 390-459/ rest of I00-199
3.6	7.2	18.0	24.6	58.8	39.1	72.0	157.8	289.3	1267.1	F		
-	4.7	7.0	18.1	40.6	87.9	167.4	298.4	447.7	817.4	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
1.4	-	7.2	5.7	7.7	15.8	33.5	54.4	105.3	240.4	F		
7.4	13.4	20.0	29.5	41.8	51.7	46.8	100.8	155.2	147.8	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.9	2.9	1.8	5.7	11.6	12.1	17.8	18.5	37.1	86.8	F		
1.5	3.9	3.0	6.8	14.8	27.1	28.7	21.3	39.7	21.7	M	Peptic ulcer	531-533/K25-K27
-	-	-	3.8	1.9	4.7	4.9	9.8	17.8	53.4	F		
20.0	33.0	53.9	47.6	62.7	62.0	51.3	32.9	18.1	13.0	M	Liver cirrhosis	571/K70, K74
3.6	11.5	21.6	26.5	30.9	27.0	21.7	21.8	19.3	11.7	F		
3.7	1.6	5.0	9.1	16.0	10.3	21.1	25.2	86.6	117.4	M	Renal disease	580-590/N00-N19
-	1.4	2.7	0.9	3.9	14.9	18.7	31.6	35.6	61.8	F		
0.7	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
1.5	2.4	2.0	1.1	-	1.3	1.5	1.9	-	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.4	0.7	-	2.8	-	-	2.0	2.2	-	1.7	F		
14.1	12.6	18.0	28.3	13.5	25.8	15.1	23.3	43.3	52.2	M	Ill-defined causes	780-799/R00-R99
1.4	2.9	1.8	2.8	5.8	10.2	5.9	8.7	20.8	71.8	F		
20.7	34.6	41.9	65.8	66.4	82.7	113.1	172.5	245.5	321.7	M	Other medical causes	Rest of 001-799/ rest of A00-R99
9.3	4.3	18.0	21.8	47.3	46.6	70.0	114.3	160.2	280.5	F		
281.8	316.0	462.1	441.0	421.9	397.9	374.1	275.2	245.5	260.9	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
56.1	68.5	98.9	87.0	97.4	92.2	101.6	100.1	92.0	177.0	F		
...	...	...	...	...	...	...	...	...	...	M	Motor vehicle traffic accidents	Not given separately
5.2	6.3	17.0	12.5	17.2	10.3	10.6	13.6	10.8	8.7	M	Fire	E890-E899/X00-X09
0.7	-	5.4	0.9	2.9	4.7	3.9	4.4	5.9	11.7	F		
93.2	116.4	166.7	174.6	148.8	116.3	102.6	87.2	50.5	113.0	M	Suicide	E950-E959/X60-X84
24.4	20.9	34.2	18.9	27.0	25.1	18.7	29.4	23.7	33.4	F		
14.8	22.0	35.9	30.6	22.1	11.6	19.6	9.7	25.3	8.7	M	Homicide	E960-E969/ X85-X99, Y00-Y09
5.8	7.9	9.0	9.5	5.8	1.9	3.0	3.3	10.4	18.4	F		
135.2	127.2	100.2	88.2	81.3	77.4	66.3	51.6	27.7	23.0	M	POPULATION	
139.1	138.6	111.2	105.7	103.7	107.4	101.4	91.9	67.4	59.9	F	(1000s; UN, 2002 revision)	

LITHUANIA: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2200	88	3	1	84	5	46	133	24	518	1386
35-69	Sm.	4558	1530	913	296	321	323	88	1897	-	720	-
	Total	13545 (34%)	2786 (55%)	958 (95%)	396 (75%)	1432 (22%)	384 (84%)	206 (43%)	4804 (39%)	268	1652 (44%)	3445
70+	Sm.	1573	487	317	41	129	357	7	661	-	61	-
	Total	8538 (18%)	1435 (34%)	347 (91%)	68 (60%)	1020 (13%)	495 (72%)	50 (14%)	5705 (12%)	25	494 (12%)	334
Any age	Sm.	6131	2017	1230	337	450	680	95	2558	-	781	-
	Total	24283 (25%)	4309 (47%)	1308 (94%)	465 (72%)	2536 (18%)	884 (77%)	302 (31%)	10642 (24%)	317	2664 (29%)	5165
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1610	59	2	2	55	3	31	88	17	271	1141
35-69	Sm.	3046	1211	707	249	255	196	63	1234	-	342	-
	Total	10401 (29%)	2492 (49%)	752 (94%)	360 (69%)	1380 (18%)	241 (81%)	178 (35%)	3710 (33%)	298	948 (36%)	2534
70+	Sm.	1625	592	384	52	156	334	17	623	-	59	-
	Total	8397 (19%)	1769 (33%)	424 (91%)	89 (58%)	1256 (12%)	466 (72%)	129 (13%)	5279 (12%)	25	459 (13%)	270
Any age	Sm.	4671	1803	1091	301	411	530	80	1857	-	401	-
	Total	20408 (23%)	4320 (42%)	1178 (93%)	451 (67%)	2691 (15%)	710 (75%)	338 (24%)	9077 (20%)	340	1678 (24%)	3945

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+ / NK
POPULATION (1000s; UN, 2002 revision)													
1995	1671.5	922.2	662.5	132.3	109.7	92.6	93.0	88.0	80.7	66.2	42.0	17.8	27.0
2000	1636.1	858.0	675.8	135.2	127.2	100.2	88.2	81.3	77.4	66.3	51.6	27.7	23.0
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	24283	2200	13545	936	1276	1479	2024	2270	2670	2890	2443	1636	4459
2000	20408	1610	10401	636	858	1109	1374	1712	2165	2547	2741	2192	3464
Lung cancer													
1995	1308	3	958	5	31	53	121	195	254	299	194	81	72
2000	1178	2	752	5	21	56	73	136	205	256	225	127	72
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	1699.0*	239.3*	2271.1*	707.5	1163.2	1597.2	2176.3	2579.5	3308.6	4365.6	5816.7	9191.0	16514.8
2000	1401.9*	192.6*	1793.4*	470.4	674.5	1106.8	1557.8	2105.8	2797.2	3841.6	5312.0	7913.4	15060.9
All cancer													
1995	304.4*	9.6*	496.7*	34.0	95.7	194.4	393.5	618.2	888.5	1252.3	1481.0	1921.3	1744.4
2000	293.5*	6.8*	455.3*	31.8	71.5	172.7	371.9	556.0	811.4	1171.9	1476.7	1931.4	2052.2
Lung cancer													
1995	90.9*	0.3*	172.5*	3.8	28.3	57.2	130.1	221.6	314.7	451.7	461.9	455.1	266.7
2000	78.5*	0.2*	139.6*	3.7	16.5	55.9	82.8	167.3	264.9	386.1	436.0	458.5	313.0
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	32.1*	0.1*	67.8*	5.3	21.0	46.4	80.6	93.2	102.9	125.4	83.3	89.9	63.0
2000	31.3*	0.2*	63.1*	1.5	11.0	43.9	86.2	92.3	108.5	98.0	67.8	108.3	104.3
Other cancer													
1995	181.4*	9.2*	256.4*	24.9	46.5	90.7	182.8	303.4	470.9	675.2	935.7	1376.4	1414.8
2000	183.8*	6.4*	252.7*	26.6	44.0	72.9	202.9	296.4	438.0	687.8	972.9	1364.6	1634.8
Chronic obstructive pulmonary disease (COPD)													
1995	65.2*	0.5*	70.5*	1.5	7.3	15.1	34.4	84.1	148.7	202.4	376.2	589.9	859.3
2000	50.0*	0.3*	46.5*	-	4.7	7.0	18.1	40.6	87.9	167.4	298.4	447.7	817.4
Other respiratory disease													
1995	20.4*	5.1*	33.9*	6.0	26.4	29.2	33.3	50.0	39.7	52.9	50.0	50.6	74.1
2000	23.0*	4.0*	30.1*	7.4	13.4	20.0	29.5	41.8	51.7	46.8	100.8	155.2	147.8
Vascular disease													
1995	778.7*	13.9*	847.3*	96.7	216.0	408.2	722.6	954.5	1448.6	2084.6	3176.2	5668.5	12451.9
2000	649.4*	10.2*	674.8*	62.9	141.5	276.4	476.2	798.3	1178.3	1790.3	2777.1	4595.7	11187.0
Liver cirrhosis													
1995	20.9*	2.5*	42.7*	15.9	42.8	42.1	39.8	51.1	55.8	51.4	40.5	16.9	18.5
2000	22.3*	2.0*	47.2*	20.0	33.0	53.9	47.6	62.7	62.0	51.3	32.9	18.1	13.0
Other medical causes													
1995	180.4*	58.9*	262.4*	132.3	205.1	277.5	301.1	269.3	323.4	327.8	350.0	488.8	963.0
2000	114.1*	35.8*	154.5*	66.6	94.3	114.8	173.5	184.5	208.0	239.8	350.8	519.9	582.6
All non-medical causes													
1995	329.0*	148.8*	517.6*	421.0	569.7	630.7	651.6	552.3	404.0	394.3	342.9	455.1	403.7
2000	249.6*	133.5*	385.0*	281.8	316.0	462.1	441.0	421.9	397.9	374.1	275.2	245.5	260.9

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: LITHUANIA

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	783	92	2	0	90	3	29	38	8	335	278
35-69	Sm.	166	36	29	1	6	27	0	77	-	26	-
	Total	6324 (3%)	1791 (2%)	99 (29%)	24 (4%)	1668 (0%)	127 (21%)	51 (0%)	2508 (3%)	139	860 (3%)	848
70+	Sm.	334	50	38	4	8	103	1	167	-	13	-
	Total	13916 (2%)	1357 (4%)	94 (40%)	26 (15%)	1237 (1%)	370 (28%)	68 (1%)	11117 (2%)	24	732 (2%)	248
Any age	Sm.	500	86	67	5	14	130	1	244	-	39	-
	Total	21023 (2%)	3240 (3%)	195 (34%)	50 (10%)	2995 (0%)	500 (26%)	148 (1%)	13663 (2%)	171	1927 (2%)	1374
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	568	84	2	0	82	0	19	25	3	218	219
35-69	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	4794 (0%)	1647 (0%)	70 (0%)	35 (0%)	1542 (0%)	75 (0%)	59 (0%)	1719 (0%)	156	460 (0%)	678
70+	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	13149 (0%)	1672 (0%)	125 (0%)	33 (0%)	1514 (0%)	265 (0%)	94 (0%)	10109 (0%)	40	709 (0%)	260
Any age	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	18511 (0%)	3403 (0%)	197 (0%)	68 (0%)	3138 (0%)	340 (0%)	172 (0%)	11853 (0%)	199	1387 (0%)	1157

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	1891.8	903.0	801.1	139.6	117.3	105.5	110.3	112.4	109.7	106.3	83.6	38.1	66.0
2000	1864.4	838.1	807.1	139.1	138.6	111.2	105.7	103.7	107.4	101.4	91.9	67.4	59.9
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	21023	783	6324	279	392	526	730	1029	1417	1951	2505	2211	9200
2000	18511	568	4794	183	273	428	495	766	1061	1588	2422	2914	7813
Lung cancer													
1995	195	2	99	2	3	6	11	17	26	34	40	22	32
2000	197	2	70	1	3	7	6	9	19	25	41	40	44
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	843.0*	89.9*	819.6*	199.9	334.2	498.6	661.8	915.5	1291.7	1835.4	2996.4	5803.1	13939.4
2000	703.4*	73.2*	639.2*	131.6	197.0	384.9	468.3	738.7	987.9	1566.1	2635.5	4323.4	13043.4
All cancer													
1995	144.9*	10.0*	232.4*	44.4	93.8	146.0	210.3	267.8	381.0	483.5	565.8	837.3	856.1
2000	141.7*	9.8*	219.5*	33.1	71.4	151.1	177.9	265.2	358.5	479.3	618.1	755.2	993.3
Lung cancer													
1995	8.4*	0.2*	12.9*	1.4	2.6	5.7	10.0	15.1	23.7	32.0	47.8	57.7	48.5
2000	7.5*	0.2*	9.4*	0.7	2.2	6.3	5.7	8.7	17.7	24.7	44.6	59.3	73.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	2.2*	-	3.2*	-	0.9	5.7	1.8	2.7	2.7	8.5	6.0	18.4	21.2
2000	2.9*	-	4.7*	-	0.7	2.7	2.8	8.7	11.2	6.9	9.8	14.8	23.4
Other cancer													
1995	134.3*	9.8*	216.3*	43.0	90.4	134.6	198.5	250.0	354.6	443.1	512.0	761.2	786.4
2000	131.3*	9.6*	205.4*	32.4	68.5	142.1	169.3	247.8	329.6	447.7	563.7	681.0	896.5
Chronic obstructive pulmonary disease (COPD)													
1995	19.2*	0.3*	16.6*	0.7	1.7	3.8	9.1	19.6	37.4	44.2	112.4	165.4	322.7
2000	12.1*	-	10.2*	1.4	-	7.2	5.7	7.7	15.8	33.5	54.4	105.3	240.4
Other respiratory disease													
1995	6.9*	3.5*	6.6*	1.4	8.5	3.8	5.4	6.2	5.5	15.1	23.9	31.5	54.5
2000	7.5*	2.8*	7.8*	2.9	2.9	1.8	5.7	11.6	12.1	17.8	18.5	37.1	86.8
Vascular disease													
1995	500.5*	4.1*	329.0*	22.2	52.9	107.1	189.5	331.0	587.1	1013.2	1925.8	4354.3	11890.9
2000	411.7*	3.1*	234.4*	13.7	24.5	73.7	120.2	240.1	379.0	789.9	1606.1	3019.3	11015.0
Liver cirrhosis													
1995	8.7*	0.8*	17.7*	7.9	11.9	10.4	26.3	24.9	22.8	19.8	14.4	15.7	9.1
2000	9.9*	0.3*	20.4*	3.6	11.5	21.6	26.5	30.9	27.0	21.7	21.8	19.3	11.7
Other medical causes													
1995	92.0*	40.2*	110.2*	46.6	66.5	101.4	103.4	140.6	150.4	162.7	245.2	280.8	636.4
2000	62.9*	31.2*	60.9*	20.8	18.0	30.6	45.4	85.8	103.4	122.3	216.5	295.3	519.2
All non-medical causes													
1995	70.8*	31.0*	107.1*	76.6	98.9	126.1	117.9	125.4	107.6	96.9	108.9	118.1	169.7
2000	57.5*	25.9*	86.0*	56.1	68.5	98.9	87.0	97.4	92.2	101.6	100.1	92.0	177.0

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

LITHUANIA: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.6	– / 0.6	–
35–69	3.0 / 10	0.0 / 4.8	20 years
70+	1.6 / 8.4	0.0 / 13	8 years
All ages	4.7 / 20	0.0 / 19	16 years

Deaths, by cause, attributed to SMOKING / total deaths in the year 2000

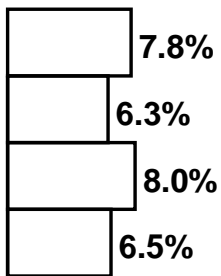
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 2	707/752	384/424	1091/1178	– / 2	0/70	0/125	0/197
All Cancer	– / 59	1211/2492 (49%)	592/1769 (33%)	1803/4320	– / 84	0/1647 (0%)	0/1672 (0%)	0/3403
Vascular	– / 88	1234/3710	623/5279	1857/9077	– / 25	0/1719	0/10109	0/11853
Respiratory	– / 34	259/419	351/595	610/1048	– / 19	0/134	0/359	0/512
All Other	– / 1429	342/3780	59/754	401/5963	– / 440	0/1294	0/1009	0/2743
All Causes	– / 1610	3046/10401 (29%)	1625/8397 (19%)	4671/20408	– / 568	0/4794 (0%)	0/13149 (0%)	0/18511

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	1.8 / 4.3 (42%)	0.0 / 3.4 (0%)	1.8 / 7.7 (23%)
All Causes	4.7 / 20 (23%)	0.0 / 19 (0%)	4.7 / 39 (12%)

1985-2000: LITHUANIA

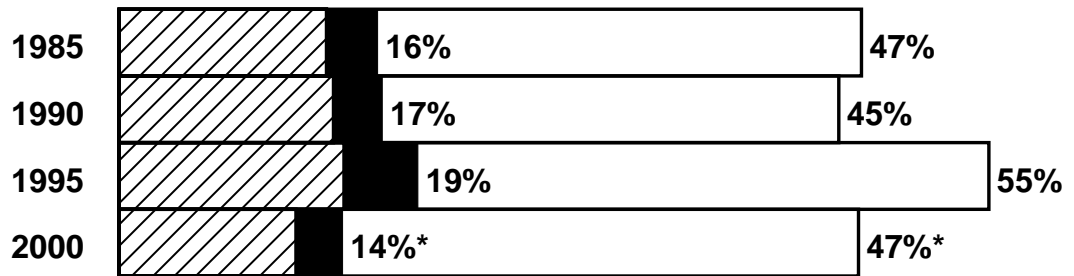
Population risk of dying at ages 0–34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

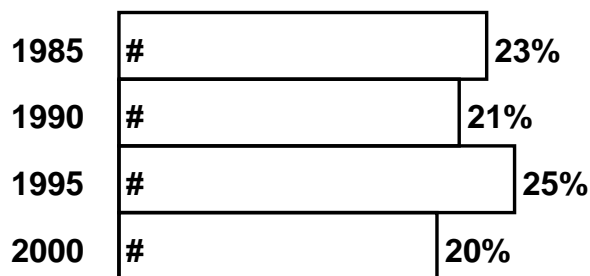
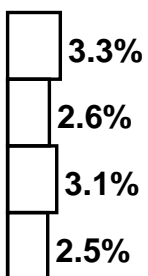
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 47 would die before age 70 (with 14 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

LITHUANIA: 1980-2000

Numbers of deaths attributed to smoking / total deaths

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/2236	3084/8678 (36%)	1705/9370 (18%)	4789/20284	-/914	210/4772	209/13199	419/18885
1990	-/1958	3742/10184 (37%)	1549/8463 (18%)	5291/20605	-/773	161/5391	416/12991	577/19155
1995	-/2200	4558/13545 (34%)	1573/8538 (18%)	6131/24283	-/783	166/6324	334/13916	500/21023
2000	-/1610	3046/10401 (29%)	1625/8397 (19%)	4671/20408	-/568	0/4794	0/13149	0/18511

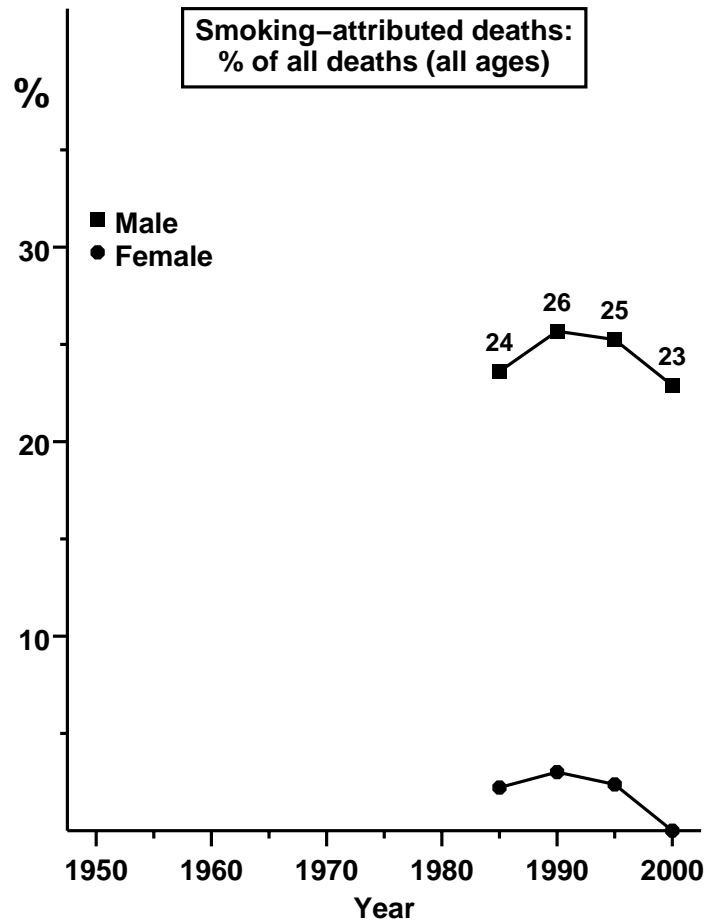
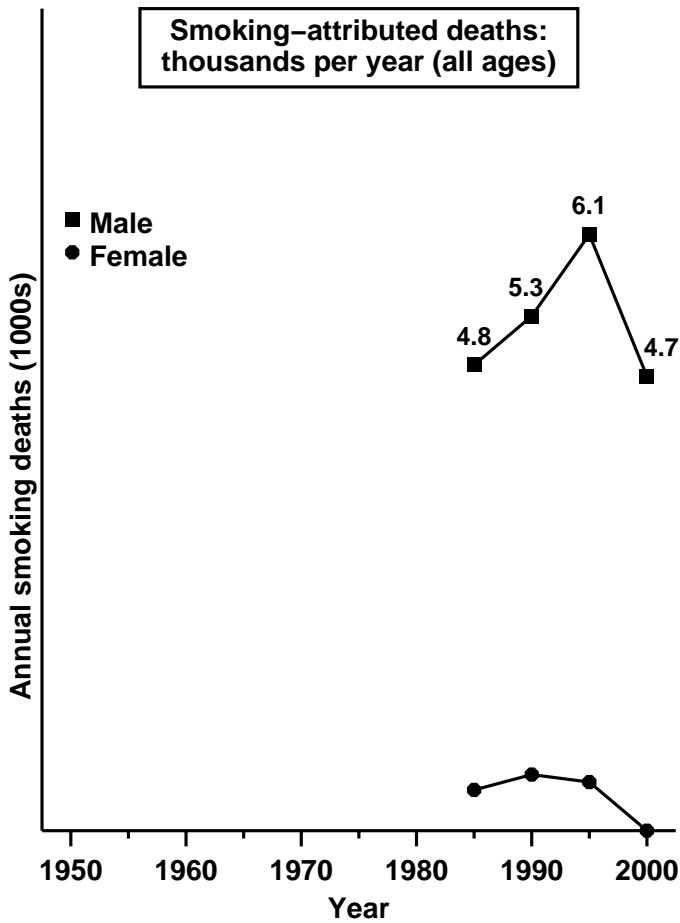
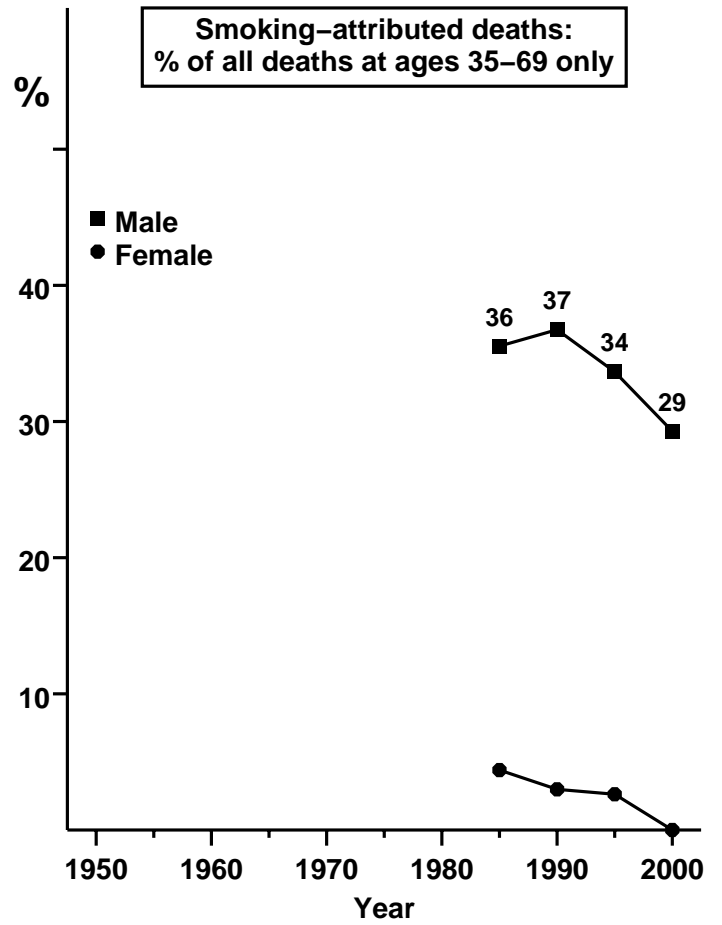
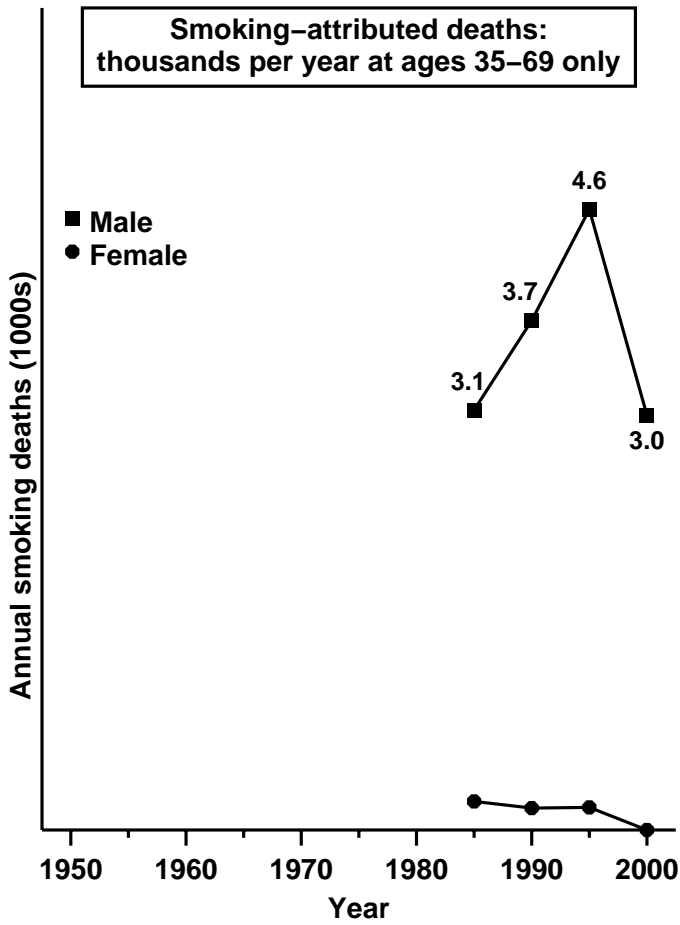
20-year total* (thousands), mid-1980 to mid-2000: 118 / 845

1980-2000 by age & sex:

-/44	76/222 (34%)	33/179 (18%)	109/446	-/17	3.8/111 (3%)	5.4/271 (2%)	9.2/399
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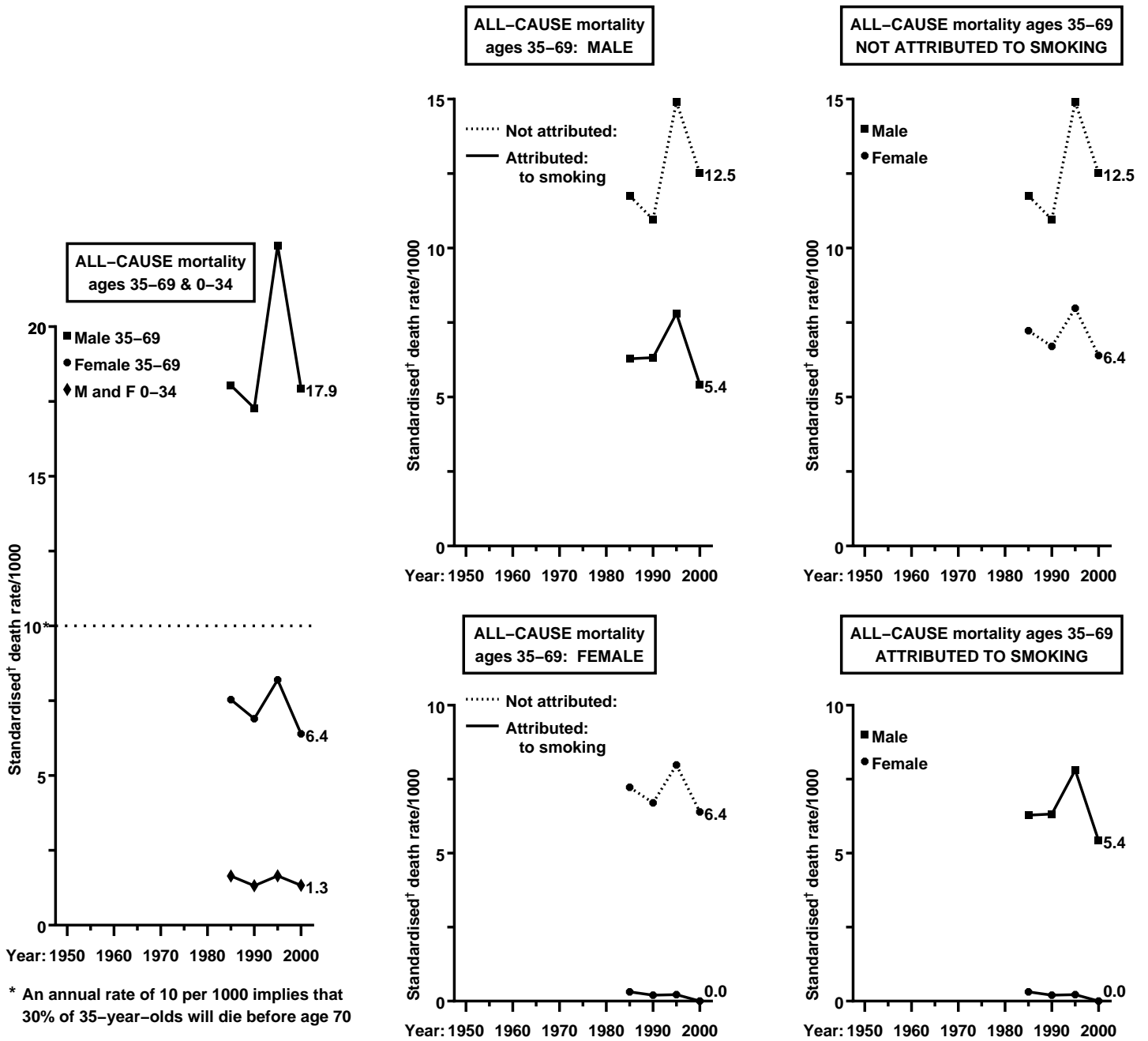
*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1985-2000: LITHUANIA



LITHUANIA: 1985-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

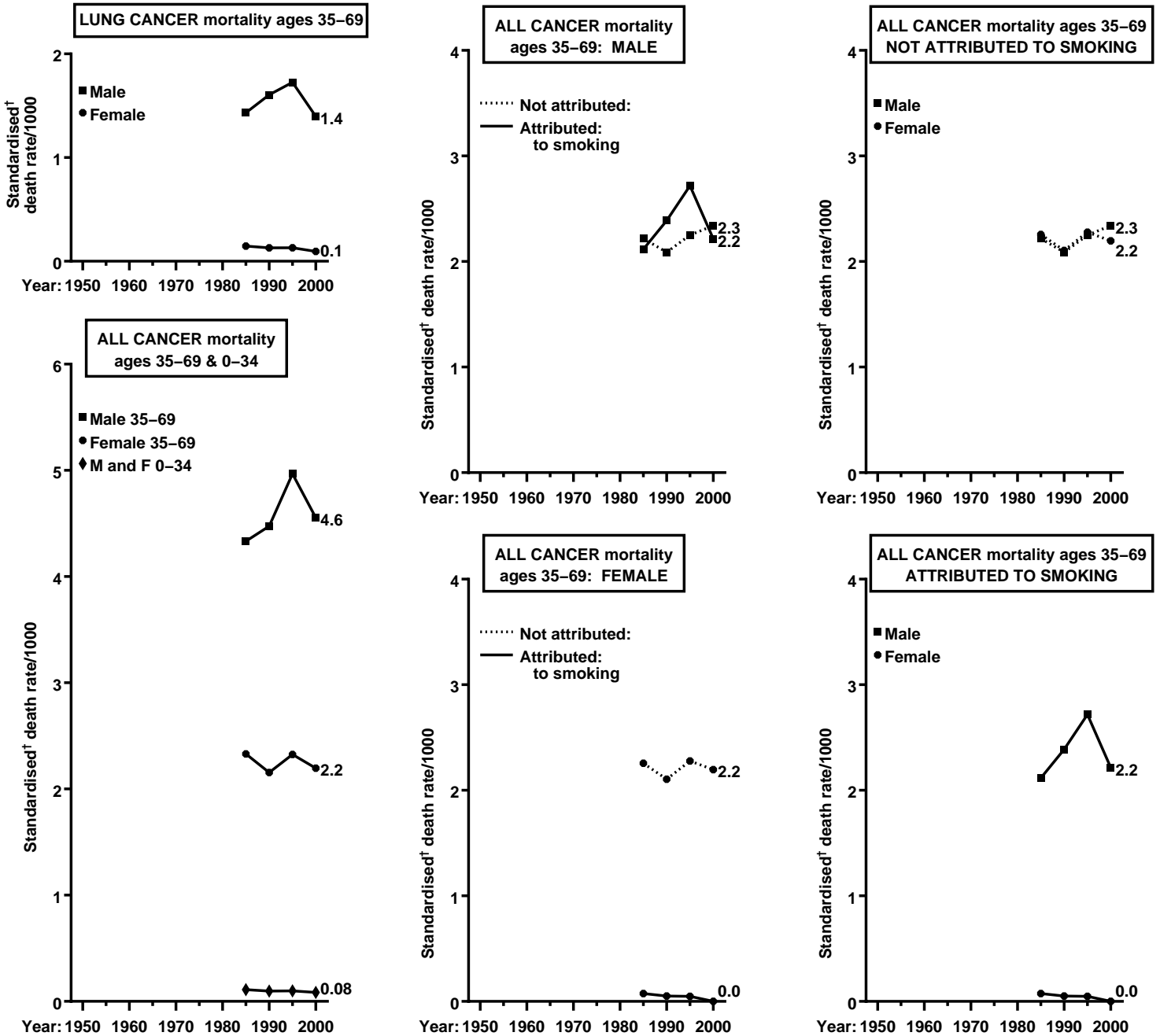


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965
1970
1975
1980
1985	-	2.32	6.28	11.8	15.6	55.7	-	0.97	0.31	7.22	0.82	43.7	-	0.76	1.65	41.7
1990	-	1.87	6.32	11.0	18.1	59.9	-	0.76	0.20	6.70	1.31	42.7	-	0.90	0.22	7.98
1995	-	2.39	7.80	14.9	16.0	59.0	-	0.90	0.22	7.98	1.31	42.7	-	0.73	0.00	6.39
2000	-	1.93	5.42	12.5	14.2	52.0	-	0.73	0.00	6.39	0.00	34.8	-	0.73	0.00	6.39

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: LITHUANIA

Trends in ALL CANCER mortality attributed and not attributed to smoking



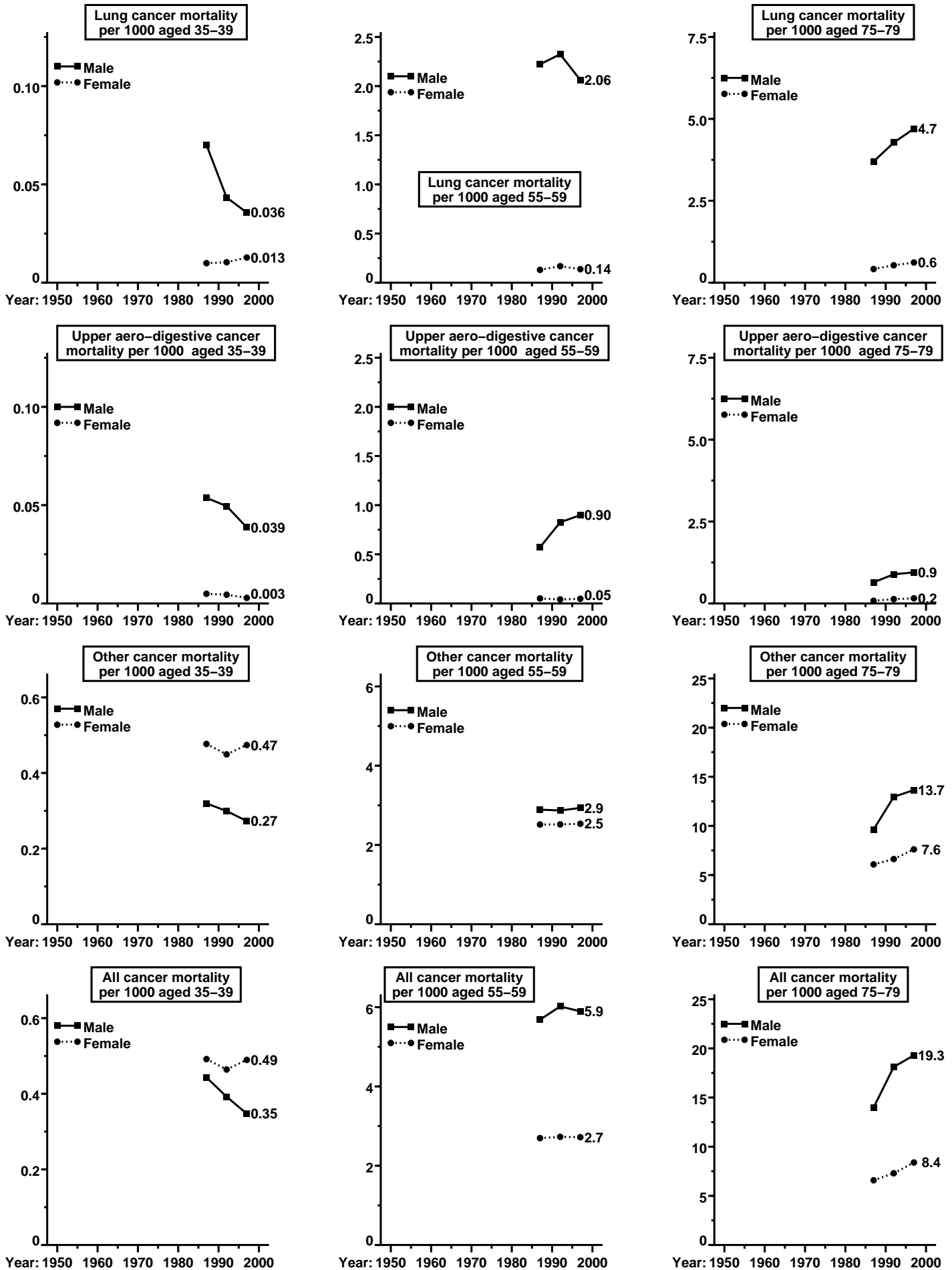
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)						FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965
1970
1975
1980
1985	-	0.11	2.12	2.22	4.84	8.45	-	0.11	0.07	2.26	0.13	6.10	-	...
1990	-	0.09	2.39	2.09	6.56	10.7	-	0.10	0.05	2.10	0.34	6.71	-	...
1995	-	0.10	2.72	2.25	6.17	10.8	-	0.10	0.05	2.28	0.28	6.73	-	...
2000	-	0.07	2.21	2.34	6.03	11.0	-	0.10	0.00	2.19	0.00	6.87	-	...

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

LITHUANIA: 1985-2000

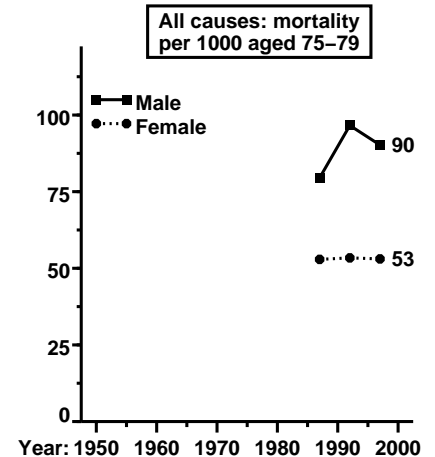
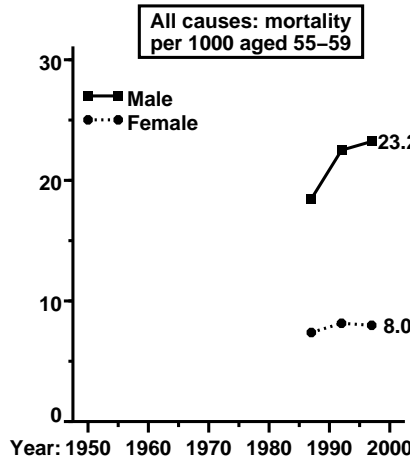
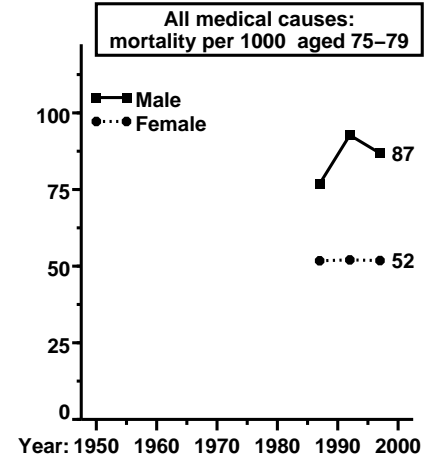
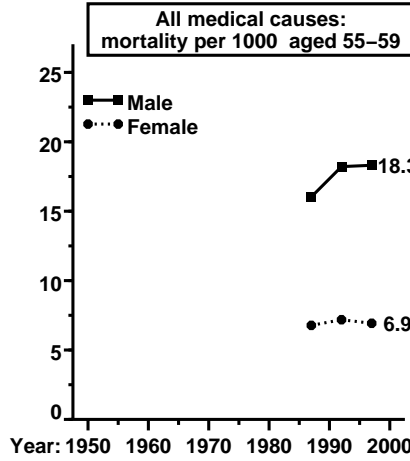
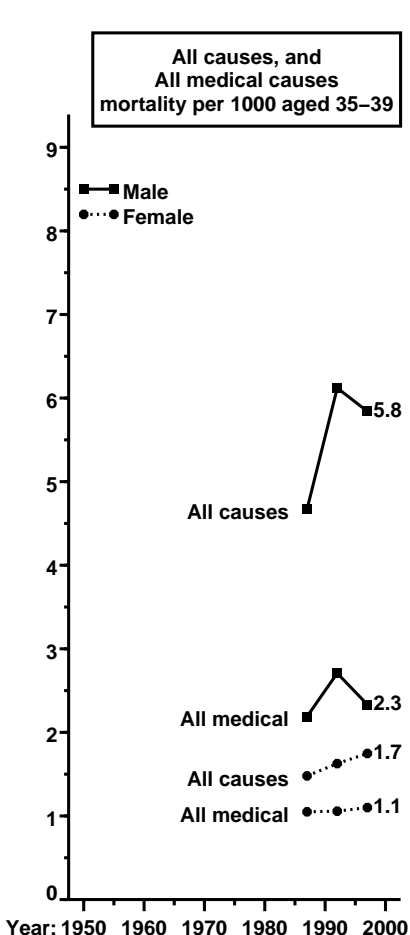
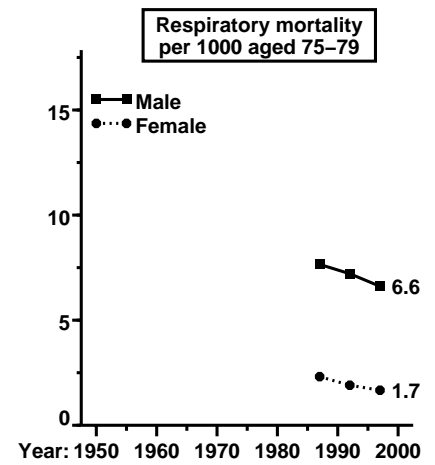
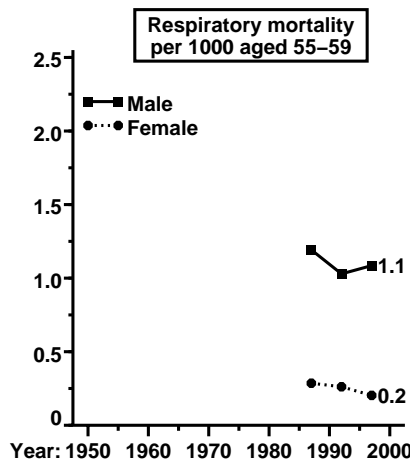
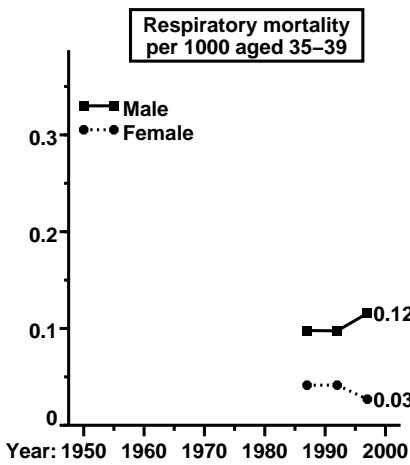
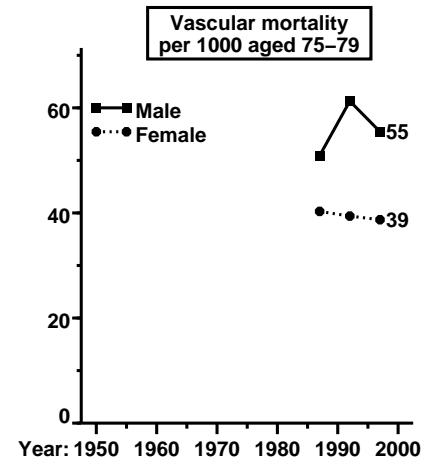
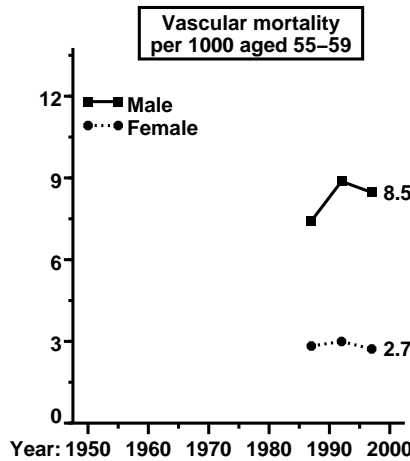
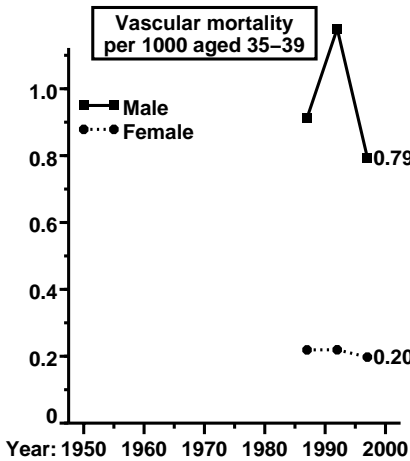
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; year 2000 on pages 284-285

1985-2000: LITHUANIA

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1985-89, ..., 1995-99; year 2000 on pages 284-285

LUXEMBOURG: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	1857	96	667	937.5	89.3	882.1	82.8	20.8	-	39.7	167.9	166.7	147.4
	F	1852	39	354	546.6	37.3	441.4	73.0	14.5	7.8	25.2	38.5	38.5	63.5
Tuberculosis	M	2	-	2	1.0	-	2.3	-	-	-	-	-	-	-
	F	1	-	-	0.3	-	-	-	-	-	-	-	-	-
HIV	M	3	1	2	1.2	0.8	1.7	-	-	-	-	-	-	5.3
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	11	2	2	5.5	1.7	2.4	6.9	-	-	-	-	-	5.3
	F	19	-	3	5.5	-	3.9	-	-	-	-	-	-	-
ALL CANCER	M	553	3	237	274.0	2.7	331.0	6.9	6.9	-	-	-	-	5.3
	F	435	5	166	149.3	4.4	209.1	7.3	-	-	-	-	12.8	10.6
Mouth and pharynx cancer	M	24	-	18	11.6	-	23.1	-	-	-	-	-	-	-
	F	4	-	3	1.8	-	3.5	-	-	-	-	-	-	-
Oesophagus cancer	M	18	-	9	8.2	-	10.8	-	-	-	-	-	-	-
	F	6	-	2	2.0	-	2.4	-	-	-	-	-	-	-
Stomach cancer	M	22	-	10	10.9	-	14.5	-	-	-	-	-	-	-
	F	11	-	2	3.2	-	2.4	-	-	-	-	-	-	-
Colorectal cancer	M	60	-	20	30.2	-	28.4	-	-	-	-	-	-	-
	F	58	-	12	16.9	-	14.9	-	-	-	-	-	-	-
Liver cancer	M	16	-	8	7.4	-	12.2	-	-	-	-	-	-	-
	F	6	-	3	2.2	-	3.7	-	-	-	-	-	-	-
Pancreas cancer	M	29	-	11	14.3	-	15.8	-	-	-	-	-	-	-
	F	25	-	4	7.3	-	5.0	-	-	-	-	-	-	-
Larynx cancer	M	9	-	6	4.4	-	8.0	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Lung cancer	M	157	-	79	75.5	-	111.2	-	-	-	-	-	-	-
	F	43	-	23	16.5	-	28.2	-	-	-	-	-	-	-
Malignant melanoma	M	8	-	4	3.8	-	6.2	-	-	-	-	-	-	-
	F	9	2	3	3.5	1.7	3.5	-	-	-	-	-	6.4	5.3
Female breast cancer	F	82	1	49	32.1	0.8	59.9	-	-	-	-	-	-	5.3
Cervix cancer	F	5	-	3	2.0	-	4.0	-	-	-	-	-	-	-
Other uterine cancer	F	13	-	6	4.8	-	8.1	-	-	-	-	-	-	-
Ovarian cancer	F	18	-	8	6.6	-	10.0	-	-	-	-	-	-	-
Prostate cancer	M	60	-	12	32.5	-	18.4	-	-	-	-	-	-	-
Bladder cancer	M	22	-	2	11.8	-	3.3	-	-	-	-	-	-	-
	F	5	-	-	1.4	-	-	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	93	3	43	45.6	2.7	57.8	6.9	6.9	-	-	-	-	5.3
	F	104	2	29	33.3	2.0	37.1	7.3	-	-	-	-	6.4	-
Hodgkin's disease	M	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	1	-	1	0.4	-	1.5	-	-	-	-	-	-	-
Myeloma and non- Hodgkin lymphomas	M	17	-	7	8.5	-	10.7	-	-	-	-	-	-	-
	F	24	-	9	7.9	-	12.7	-	-	-	-	-	-	-
Leukaemia	M	18	-	8	9.2	-	10.6	-	-	-	-	-	-	-
	F	21	-	9	7.4	-	12.1	-	-	-	-	-	-	-
Diabetes	M	16	-	5	8.1	-	7.5	-	-	-	-	-	-	-
	F	37	-	7	10.6	-	8.6	-	-	-	-	-	-	-
ALL VASCULAR DISEASE	M	651	2	184	336.5	1.7	252.1	-	-	-	-	-	6.4	5.3
	F	790	2	73	209.9	1.5	94.1	-	-	-	-	-	-	10.6
Rheumatic heart disease and fever	M	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Hypertensive disease	M	27	-	4	15.5	-	5.7	-	-	-	-	-	-	-
	F	33	-	3	8.5	-	3.1	-	-	-	-	-	-	-
Ischaemic heart disease	M	263	-	93	131.0	-	125.8	-	-	-	-	-	-	-
	F	203	-	18	54.3	-	23.6	-	-	-	-	-	-	-
Pulmonary embolism and other venous	M	12	-	4	6.3	-	4.8	-	-	-	-	-	-	-
	F	26	1	3	7.2	0.8	4.1	-	-	-	-	-	-	5.3
Cerebrovascular disease	M	158	-	35	83.3	-	49.3	-	-	-	-	-	-	-
	F	268	1	33	73.5	0.8	41.9	-	-	-	-	-	-	5.3
Other vascular disease	M	191	2	48	100.3	1.7	66.7	-	-	-	-	-	6.4	5.3
	F	260	-	16	66.4	-	21.4	-	-	-	-	-	-	-
Chronic obstructive pulmonary disease	M	91	-	32	45.2	-	48.3	-	-	-	-	-	-	-
	F	43	1	7	13.1	1.2	8.1	-	-	-	8.4	-	-	-
Other respiratory disease	M	69	1	17	36.2	0.8	21.6	-	-	-	-	-	-	5.3
	F	85	1	11	22.8	0.8	15.3	-	-	-	-	-	-	5.3
Peptic ulcer	M	5	-	1	2.7	-	1.6	-	-	-	-	-	-	-
	F	6	-	1	1.6	-	1.5	-	-	-	-	-	-	-
Liver cirrhosis	M	51	-	41	24.2	-	50.4	-	-	-	-	-	-	-
	F	27	-	19	11.6	-	21.9	-	-	-	-	-	-	-
Renal disease	M	12	-	1	6.7	-	1.6	-	-	-	-	-	-	-
	F	17	-	-	4.0	-	-	-	-	-	-	-	-	-
Pregnancy, birth Congenital and perinatal causes	F	1	1	-	0.4	0.8	-	-	-	-	-	-	-	5.3
	M	7	7	-	3.9	6.9	-	48.3	-	-	-	-	-	-
	F	6	6	-	3.5	6.3	-	43.8	-	-	-	-	-	-
Ill-defined causes	M	48	2	19	25.2	2.1	25.2	6.9	-	-	7.9	-	-	-
	F	63	2	8	17.4	1.8	9.4	7.3	-	-	-	-	-	5.3
Other medical causes	M	144	7	41	75.0	6.3	48.2	-	6.9	-	-	7.6	19.2	10.5
	F	223	4	32	62.4	3.8	40.2	14.6	-	-	-	-	6.4	5.3
ALL NON- MEDICAL CAUSES	M	194	71	83	92.0	66.3	88.1	13.8	6.9	-	31.7	160.3	141.0	110.5
	F	99	17	27	34.2	16.9	29.3	-	14.5	7.8	16.8	38.5	19.2	21.2
Motor vehicle traffic accidents	M	43	22	16	20.5	20.6	17.1	-	6.9	-	15.9	53.4	25.6	42.1
	F	19	6	6	7.4	6.0	6.5	-	7.2	7.8	-	15.4	6.4	5.3
Fire	M	2	-	2	0.8	-	1.5	-	-	-	-	-	-	-
	F	4	2	1	1.7	1.8	1.4	-	7.2	-	-	-	-	5.3
Suicide	M	48	11	28	22.1	9.9	30.5	-	-	-	-	22.9	25.6	21.1
	F	15	2	10	6.8	2.0	12.1	-	-	-	-	7.7	6.4	-
Homicide	M	5	3	2	2.1	2.8	1.6	-	-	-	-	7.6	6.4	5.3
	F	2	1	1	0.9	1.1	0.8	-	-	-	-	7.7	-	-
POPULATION:														
(1000s; UN, 2002 revision)			M=male		214.3	102.5	96.6	14.5	14.4	13.3	12.6	13.1	15.6	19.0
			F=female		220.9	99.7	95.2	13.7	13.8	12.8	11.9	13.0	15.6	18.9

2000: LUXEMBOURG

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
127.6	248.6	374.2	510.6	918.9	1535.4	2459.8	3519.0	6075.0	17363.6	M	ALL CAUSES	001-999/A00-Y89
68.8	174.4	189.2	348.5	611.1	657.1	1040.8	1989.8	3513.2	11593.0	F		
-	-	-	7.1	9.0	-	-	-	-	-	M	Tuberculosis	010-018, 137/ A15-A19, B90
-	5.6	6.5	-	-	-	-	-	13.2	-	F		
-	-	-	-	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
5.1	-	-	-	-	-	11.5	25.3	-	151.5	F		
-	-	-	7.6	-	9.5	10.2	30.6	52.6	104.7	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
10.2	56.5	103.2	120.6	360.4	585.9	1080.5	1303.8	1950.0	4000.0	M	ALL CANCER	140-208/C00-C97
15.9	81.4	81.1	159.1	314.8	352.4	459.2	714.3	881.6	1476.7	F		
-	16.9	12.9	7.1	27.0	40.4	57.5	12.7	75.0	60.6	M	Mouth and pharynx cancer	140-149/C00-C14
-	5.8	-	-	18.5	-	-	-	-	11.6	F		
-	-	19.4	14.2	9.0	10.1	23.0	88.6	-	60.6	M	Oesophagus cancer	150/C15
-	-	-	7.6	9.3	-	-	-	13.2	34.9	F		
-	-	6.5	7.1	-	30.3	57.5	38.0	100.0	151.5	M	Stomach cancer	151/C16
-	-	6.8	-	-	-	10.2	20.4	39.5	46.5	F		
-	5.6	6.5	7.1	36.0	40.4	103.4	151.9	225.0	575.8	M	Colorectal cancer	153, 154/C18-C21
-	11.6	6.8	7.6	-	47.6	30.6	71.4	131.6	337.2	F		
-	-	-	-	9.0	30.3	46.0	63.3	50.0	30.3	M	Liver cancer	155.0/C22 excl C221
-	-	6.8	-	9.3	-	10.2	10.2	-	23.3	F		
-	-	-	-	36.0	40.4	34.5	101.3	75.0	212.1	M	Pancreas cancer	157/C25
-	-	6.8	-	9.3	19.0	-	61.2	13.2	162.8	F		
-	5.6	-	-	27.0	-	23.0	12.7	25.0	30.3	M	Larynx cancer	161/C32
-	-	-	-	-	-	-	-	-	-	F		
-	5.6	38.7	56.7	99.1	222.2	356.3	443.0	525.0	666.7	M	Lung cancer	162/C33, C34
-	17.4	13.5	22.7	55.6	47.6	40.8	61.2	118.4	58.1	F		
-	-	-	-	-	20.2	23.0	25.3	25.0	30.3	M	Malignant melanoma	172/C43
-	-	-	15.2	-	9.5	-	10.2	39.5	-	F		
-	34.9	33.8	60.6	101.9	76.2	112.2	91.8	52.6	220.9	F	Female breast cancer	174/C50
-	-	-	-	9.3	19.0	-	-	13.2	11.6	F	Cervix cancer	180/C53
-	-	-	-	18.5	38.1	-	20.4	13.2	46.5	F	Other uterine cancer	179, 182/C54, C55
5.3	-	-	7.6	27.8	19.0	10.2	40.8	39.5	34.9	F	Ovarian cancer	183/C56, C570-C574
-	-	-	-	18.0	30.3	80.5	75.9	250.0	969.7	M	Prostate cancer	185/C61
-	-	-	-	-	-	23.0	38.0	125.0	363.6	M	Bladder cancer	188/C67
-	-	-	-	-	-	-	30.6	-	23.3	F		
10.2	11.3	19.4	28.4	72.1	90.9	172.4	215.2	250.0	606.1	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
10.6	11.6	6.8	22.7	27.8	47.6	132.7	224.5	315.8	314.0	F	Hodgkin's disease	201/C81
-	-	-	-	-	-	10.2	-	-	-	M		
-	-	-	-	9.0	20.2	46.0	25.3	125.0	90.9	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
-	-	-	-	18.5	19.0	51.0	20.4	52.6	104.7	F		
-	11.3	-	-	18.0	10.1	34.5	12.7	100.0	151.5	M	Leukaemia	204-208/C91-C95
-	-	-	15.2	9.3	9.5	51.0	51.0	39.5	46.5	F		
-	-	-	-	9.0	20.2	23.0	50.6	25.0	181.8	M	Diabetes	250/E10-E14
-	5.8	-	15.2	9.3	9.5	20.4	30.6	39.5	279.1	F		
10.2	28.2	90.3	156.0	252.3	515.2	712.6	1392.4	2500.0	7727.3	M	ALL VASCULAR DISEASE	390-459/I00-199
5.3	23.3	47.3	53.0	111.1	133.3	285.7	734.7	1631.6	6034.9	F		
-	-	-	-	-	-	-	-	-	-	M	Rheumatic heart disease and fever	390-398/I00-109
-	-	-	-	-	-	-	-	-	-	F		
-	-	-	-	18.0	10.1	11.5	12.7	50.0	606.1	M	Hypertensive disease	401-405/I10-I15
-	11.6	-	-	-	-	10.2	30.6	52.6	267.4	F		
5.1	11.3	51.6	99.3	117.1	262.6	333.3	708.9	1075.0	2151.5	M	Ischaemic heart disease	410-414/I20-I25
-	11.6	-	15.2	18.5	38.1	81.6	265.3	513.2	1395.3	F		
-	-	12.9	-	9.0	-	11.5	25.3	-	181.8	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
-	-	-	-	9.3	9.5	10.2	20.4	52.6	186.0	F		
5.1	5.6	19.4	7.1	63.1	60.6	183.9	303.8	600.0	2272.7	M	Cerebrovascular disease	430-438/I60-169
5.3	-	33.8	30.3	46.3	85.7	91.8	224.5	644.7	1895.3	F		
-	11.3	6.5	49.6	45.0	181.8	172.4	341.8	775.0	2515.2	M	Other vascular disease	Rest of 390-459/ rest of I00-199
-	-	13.5	7.6	37.0	-	91.8	193.9	368.4	2290.7	F		
-	5.6	-	14.2	9.0	90.9	218.4	240.5	350.0	787.9	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
-	5.8	-	30.3	-	-	20.4	102.0	131.6	174.4	F		
10.2	11.3	6.5	-	27.0	50.5	46.0	101.3	275.0	969.7	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
-	-	-	7.6	-	38.1	61.2	30.6	131.6	697.7	F		
-	-	-	-	-	-	11.5	12.7	-	90.9	M	Peptic ulcer	531-533/K25-K27
-	-	-	-	-	-	10.2	10.2	-	46.5	F		
10.6	11.3	45.2	70.9	54.1	90.9	80.5	88.6	50.0	30.3	M	Liver cirrhosis	571/K70, K74
-	11.6	6.8	30.3	64.8	19.0	10.2	40.8	13.2	34.9	F		
-	-	-	-	-	-	11.5	12.7	50.0	242.4	M	Renal disease	580-590/N00-N19
-	-	-	-	-	-	-	-	26.3	174.4	F		
-	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
-	-	-	-	-	-	-	-	-	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
5.1	-	6.5	28.4	27.0	40.4	69.0	50.6	125.0	545.5	M	Ill-defined causes	780-799/R00-R99
-	5.8	13.5	7.6	9.3	9.5	20.4	30.6	78.9	511.6	F		
10.2	22.6	58.1	42.6	63.1	60.6	80.5	189.9	525.0	1818.2	M	Other medical causes	Rest of 001-799/ rest of A00-R99
-	17.4	27.0	30.3	37.0	57.1	112.2	163.3	421.1	1616.3	F		
76.5	107.3	58.1	70.9	108.1	80.8	114.9	50.6	225.0	818.2	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
37.0	23.3	13.5	7.6	64.8	28.6	30.6	102.0	92.1	441.9	F		
10.2	5.6	32.3	14.2	36.0	10.1	11.5	-	25.0	121.2	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
10.6	5.8	-	-	9.3	9.5	10.2	30.6	26.3	23.3	F		
5.1	5.6	-	-	-	-	-	-	-	-	M	Fire	E890-E899/X00-X09
-	-	-	-	-	9.5	-	10.2	-	-	F		
30.6	33.9	12.9	7.1	54.1	40.4	34.5	25.3	75.0	121.2	M	Suicide	E950-E959/X60-X84
5.3	5.8	-	7.6	46.3	9.5	10.2	10.2	13.2	11.6	F		
-	11.3	-	-	-	-	-	-	-	-	M	Homicide	E960-E969/ X85-X99, Y00-Y09
5.3	-	-	-	-	-	-	-	-	-	F		
19.6	17.7	15.5	14.1	11.1	9.9	8.7	7.9	4.0	3.3	M	POPULATION	
18.9	17.2	14.8	13.2	10.8	10.5	9.8	9.8	7.6	8.6	F	(1000s; UN, 2002 revision)	

LUXEMBOURG: 1995, 2000**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	90	5	0	0	5	0	2	6	0	18	59
35-69	Sm.	263	142	86	28	28	22	1	68	-	30	-
	Total	766 (34%)	294 (48%)	92 (93%)	41 (68%)	161 (17%)	28 (79%)	6 (17%)	224 (30%)	40	97 (31%)	77
70+	Sm.	272	117	75	9	33	53	7	72	-	23	-
	Total	1043 (26%)	286 (41%)	82 (91%)	13 (69%)	191 (17%)	67 (79%)	44 (16%)	470 (15%)	7	141 (16%)	28
Any age	Sm.	535	259	161	37	61	75	8	140	-	53	-
	Total	1899 (28%)	585 (44%)	174 (93%)	54 (69%)	357 (17%)	95 (79%)	52 (15%)	700 (20%)	47	256 (21%)	164
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	96	3	0	0	3	0	1	2	0	19	71
35-69	Sm.	209	112	72	20	20	25	5	49	-	18	-
	Total	667 (31%)	237 (47%)	79 (91%)	33 (61%)	125 (16%)	32 (78%)	17 (29%)	184 (27%)	41	73 (25%)	83
70+	Sm.	236	110	71	11	28	43	6	58	-	19	-
	Total	1094 (22%)	313 (35%)	78 (91%)	18 (61%)	217 (13%)	59 (73%)	51 (12%)	465 (12%)	10	156 (12%)	40
Any age	Sm.	445	222	143	31	48	68	11	107	-	37	-
	Total	1857 (24%)	553 (40%)	157 (91%)	51 (61%)	345 (14%)	91 (75%)	69 (16%)	651 (16%)	51	248 (15%)	194

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)														
1995		199.6	99.4	88.1	16.9	15.3	14.3	11.5	10.8	9.8	9.5	5.4	3.6	3.1
2000		214.3	102.5	96.6	19.6	17.7	15.5	14.1	11.1	9.9	8.7	7.9	4.0	3.3
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		1899	90	766	37	46	53	84	128	159	259	214	237	592
2000		1857	96	667	25	44	58	72	102	152	214	278	243	573
Lung cancer														
1995		174	-	92	1	-	6	10	20	22	33	25	26	31
2000		157	-	79	-	1	6	8	11	22	31	35	21	22
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)														
All causes														
1995		1050.0*	85.1*	1022.1*	218.9	300.7	370.6	730.4	1185.2	1622.4	2726.3	3963.0	6583.3	19096.8
2000		937.5*	89.3*	882.1*	127.6	248.6	374.2	510.6	918.9	1535.4	2459.8	3519.0	6075.0	17363.6
All cancer														
1995		319.7*	4.5*	406.0*	41.4	32.7	69.9	313.0	564.8	704.1	1115.8	1351.9	1916.7	4645.2
2000		274.0*	2.7*	331.0*	10.2	56.5	103.2	120.6	360.4	585.9	1080.5	1303.8	1950.0	4000.0
Lung cancer														
1995		94.0*	-	127.4*	5.9	-	42.0	87.0	185.2	224.5	347.4	463.0	722.2	1000.0
2000		75.5*	-	111.2*	-	5.6	38.7	56.7	99.1	222.2	356.3	443.0	525.0	666.7
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		28.5*	-	53.9*	17.8	6.5	14.0	43.5	129.6	71.4	94.7	55.6	138.9	161.3
2000		24.2*	-	41.9*	-	22.6	32.3	21.3	63.1	50.5	103.4	113.9	100.0	151.5
Other cancer														
1995		197.2*	4.5*	224.6*	17.8	26.1	14.0	182.6	250.0	408.2	673.7	833.3	1055.6	3483.9
2000		174.3*	2.7*	177.9*	10.2	28.2	32.3	42.6	198.2	313.1	620.7	746.8	1325.0	3181.8
Chronic obstructive pulmonary disease (COPD)														
1995		53.9*	-	38.4*	-	6.5	21.0	17.4	46.3	51.0	126.3	203.7	583.3	1129.0
2000		45.2*	-	48.3*	-	5.6	-	14.2	9.0	90.9	218.4	240.5	350.0	787.9
Other respiratory disease														
1995		31.4*	1.6*	7.8*	-	6.5	-	8.7	18.5	-	21.1	92.6	111.1	1129.0
2000		36.2*	0.8*	21.6*	10.2	11.3	6.5	-	27.0	50.5	46.0	101.3	275.0	969.7
Vascular disease														
1995		396.7*	5.7*	304.3*	41.4	71.9	118.9	156.5	314.8	489.8	936.8	1629.6	2972.2	8871.0
2000		336.5*	1.7*	252.1*	10.2	28.2	90.3	156.0	252.3	515.2	712.6	1392.4	2500.0	7727.3
Liver cirrhosis														
1995		24.5*	-	51.0*	11.8	19.6	35.0	60.9	64.8	102.0	63.2	18.5	111.1	64.5
2000		24.2*	-	50.4*	-	11.3	45.2	70.9	54.1	90.9	80.5	88.6	50.0	30.3
Other medical causes														
1995		141.9*	17.5*	128.9*	29.6	45.8	55.9	95.7	92.6	214.3	368.4	611.1	777.8	2580.6
2000		129.4*	17.8*	90.6*	20.4	28.2	71.0	78.0	108.1	121.2	206.9	341.8	725.0	3030.3
All non-medical causes														
1995		81.9*	55.7*	85.7*	94.7	117.6	69.9	78.3	83.3	61.2	94.7	55.6	111.1	677.4
2000		92.0*	66.3*	88.1*	76.5	107.3	58.1	70.9	108.1	80.8	114.9	50.6	225.0	818.2

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: LUXEMBOURG

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	47	3	0	0	3	0	1	2	0	18	23
35-69	Sm.	13	5	5	0	0	4	0	3	-	1	-
	Total	356 (4%)	157 (3%)	13 (38%)	7 (0%)	137 (0%)	19 (21%)	5 (0%)	89 (3%)	13	51 (2%)	22
70+	Sm.	97	24	19	1	4	22	1	37	-	13	-
	Total	1398 (7%)	274 (9%)	26 (73%)	4 (25%)	244 (2%)	40 (55%)	40 (3%)	747 (5%)	3	261 (5%)	33
Any age	Sm.	110	29	24	1	4	26	1	40	-	14	-
	Total	1801 (6%)	434 (7%)	39 (62%)	11 (9%)	384 (1%)	59 (44%)	46 (2%)	838 (5%)	16	330 (4%)	78
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	39	5	0	0	5	1	1	2	0	13	17
35-69	Sm.	40	19	16	1	2	5	1	8	-	7	-
	Total	354 (11%)	166 (11%)	23 (70%)	5 (20%)	138 (1%)	7 (71%)	11 (9%)	73 (11%)	19	51 (14%)	27
70+	Sm.	85	18	12	1	5	18	3	33	-	13	-
	Total	1459 (6%)	264 (7%)	20 (60%)	5 (20%)	239 (2%)	35 (51%)	73 (4%)	715 (5%)	8	309 (4%)	55
Any age	Sm.	125	37	28	2	7	23	4	41	-	20	-
	Total	1852 (7%)	435 (9%)	43 (65%)	10 (20%)	382 (2%)	43 (53%)	85 (5%)	790 (5%)	27	373 (5%)	99

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	205.2	95.9	87.5	16.6	14.6	13.3	11.0	10.9	10.4	10.7	8.7	6.0	7.1
2000	220.9	99.7	95.2	18.9	17.2	14.8	13.2	10.8	10.5	9.8	9.8	7.6	8.6
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	1801	47	356	9	18	24	40	38	93	134	200	228	970
2000	1852	39	354	13	30	28	46	66	69	102	195	267	997
Lung cancer													
1995	39	-	13	-	2	2	2	3	2	2	8	7	11
2000	43	-	23	-	3	2	3	6	5	4	6	9	5
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	608.0*	46.6*	459.5*	54.2	123.3	180.5	363.6	348.6	894.2	1252.3	2298.9	3800.0	13662.0
2000	546.6*	37.3*	441.4*	68.8	174.4	189.2	348.5	611.1	657.1	1040.8	1989.8	3513.2	11593.0
All cancer													
1995	160.2*	2.5*	203.0*	6.0	61.6	90.2	209.1	156.0	375.0	523.4	678.2	1066.7	2126.8
2000	149.3*	4.4*	209.1*	15.9	81.4	81.1	159.1	314.8	352.4	459.2	714.3	881.6	1476.7
Lung cancer													
1995	14.8*	-	16.1*	-	13.7	15.0	18.2	27.5	19.2	18.7	92.0	116.7	154.9
2000	16.5*	-	28.2*	-	17.4	13.5	22.7	55.6	47.6	40.8	61.2	118.4	58.1
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	4.3*	-	9.1*	-	-	7.5	9.1	-	9.6	37.4	-	16.7	42.3
2000	3.8*	-	5.9*	-	5.8	-	7.6	27.8	-	-	-	13.2	46.5
Other cancer													
1995	141.0*	2.5*	177.9*	6.0	47.9	67.7	181.8	128.4	346.2	467.3	586.2	933.3	1929.6
2000	129.0*	4.4*	175.0*	15.9	58.1	67.6	128.8	231.5	304.8	418.4	653.1	750.0	1372.1
Chronic obstructive pulmonary disease (COPD)													
1995	20.7*	-	25.0*	-	-	15.0	-	27.5	67.3	65.4	103.4	66.7	380.3
2000	13.1*	1.2*	8.1*	-	5.8	-	30.3	-	-	20.4	102.0	131.6	174.4
Other respiratory disease													
1995	14.4*	0.8*	6.8*	-	-	-	-	-	19.2	28.0	34.5	150.0	394.4
2000	22.8*	0.8*	15.3*	-	-	-	7.6	-	38.1	61.2	30.6	131.6	697.7
Vascular disease													
1995	262.4*	1.7*	117.3*	6.0	13.7	22.6	54.5	100.9	240.4	383.2	1057.5	1683.3	7802.8
2000	209.9*	1.5*	94.1*	5.3	23.3	47.3	53.0	111.1	133.3	285.7	734.7	1631.6	6034.9
Liver cirrhosis													
1995	7.2*	-	15.9*	6.0	13.7	7.5	9.1	18.3	28.8	28.0	11.5	33.3	-
2000	11.6*	-	21.9*	10.6	11.6	6.8	30.3	64.8	19.0	10.2	40.8	13.2	34.9
Other medical causes													
1995	111.0*	18.6*	66.2*	12.0	13.7	15.0	63.6	27.5	144.2	186.9	367.8	650.0	2676.1
2000	105.7*	12.6*	63.6*	-	29.1	40.5	60.6	55.6	85.7	173.5	265.3	631.6	2732.6
All non-medical causes													
1995	32.0*	23.0*	25.3*	24.1	20.5	30.1	27.3	18.3	19.2	37.4	46.0	150.0	281.7
2000	34.2*	16.9*	29.3*	37.0	23.3	13.5	7.6	64.8	28.6	30.6	102.0	92.1	441.9

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

LUXEMBOURG: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 96	– / 39	–
35–69	209 / 667	40 / 354	22 years
70+	236 / 1094	85 / 1459	8 years
All ages	445 / 1857	125 / 1852	14 years

Deaths, by cause, attributed to SMOKING / total deaths in the year 2000

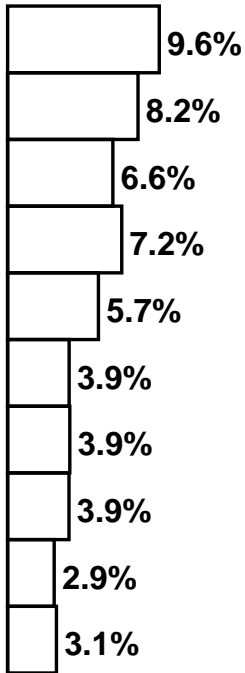
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 0	72/79	71/78	143/157	– / 0	16/23	12/20	28/43
All Cancer	– / 3	112/237 (47%)	110/313 (35%)	222/553	– / 5	19/166 (11%)	18/264 (7%)	37/435
Vascular	– / 2	49/184	58/465	107/651	– / 2	8/73	33/715	41/790
Respiratory	– / 1	30/49	49/110	79/160	– / 2	6/18	21/108	27/128
All Other	– / 90	18/197	19/206	37/493	– / 30	7/97	13/372	20/499
All Causes	– / 96	209/667 (31%)	236/1094 (22%)	445/1857	– / 39	40/354 (11%)	85/1459 (6%)	125/1852

Cancer deaths, and all deaths, attributed to SMOKING / total deaths in the year 2000

Cause	Male	Female	Male + Female
All Cancer	222 / 553 (40%)	37 / 435 (9%)	259 / 988 (26%)
All Causes	445 / 1857 (24%)	125 / 1852 (7%)	570 / 3709 (15%)

1955-2000: LUXEMBOURG

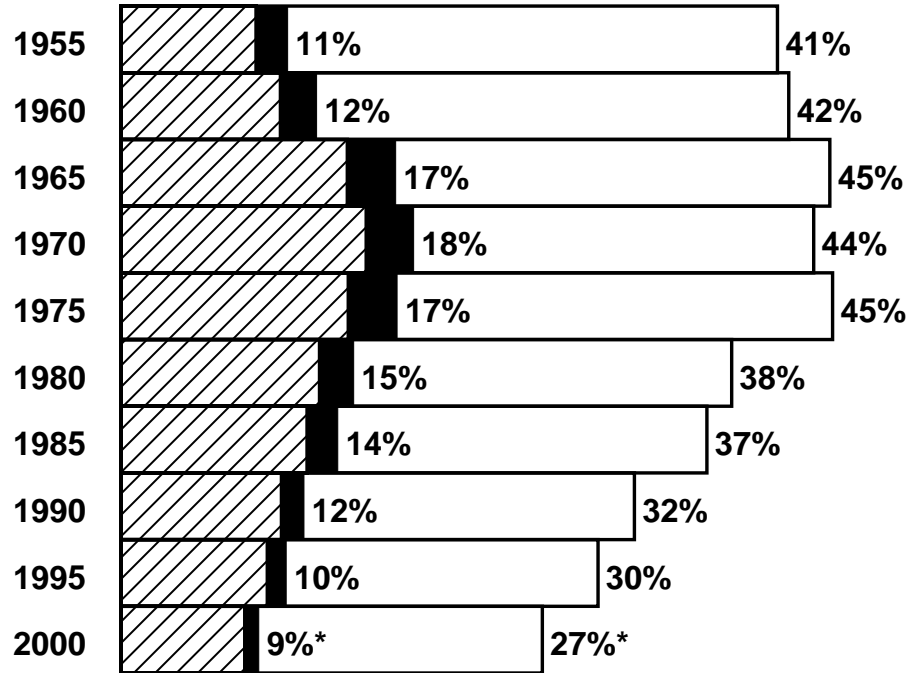
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

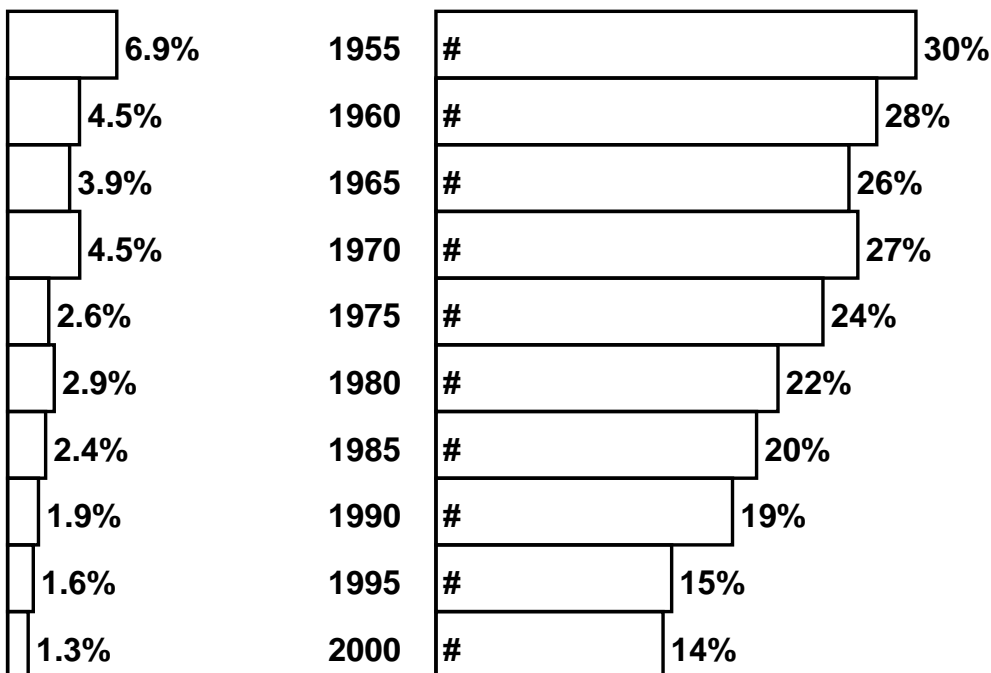
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 27 would die before age 70 (with 9 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

LUXEMBOURG: 1950-2000

Numbers of deaths attributed to smoking / total deaths

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/223	232/856 (27%)	40/833 (5%)	272/1912	-/146	0/591	0/858	0/1595
1960	-/211	279/893 (31%)	61/921 (7%)	340/2025	-/108	0/571	0/1012	0/1691
1965	-/168	415/1049 (40%)	145/1030 (14%)	560/2247	-/94	0/593	0/1084	0/1771
1970	-/181	432/1021 (42%)	175/1089 (16%)	607/2291	-/107	9/627	0/1131	9/1865
1975	-/156	402/1032 (39%)	250/1144 (22%)	652/2332	-/62	2/576	20/1405	22/2043
1980	-/105	321/827 (39%)	261/1184 (22%)	582/2116	-/70	22/483	10/1465	32/2018
1985	-/107	283/766 (37%)	315/1227 (26%)	598/2100	-/61	41/443	0/1476	41/1980
1990	-/108	249/727 (34%)	274/1078 (25%)	523/1913	-/51	41/443	21/1426	62/1920
1995	-/90	263/766 (34%)	272/1043 (26%)	535/1899	-/47	13/356	97/1398 (7%)	110/1801
2000	-/96	209/667 (31%)	236/1094 (22%)	445/1857	-/39	40/354	85/1459 (6%)	125/1852

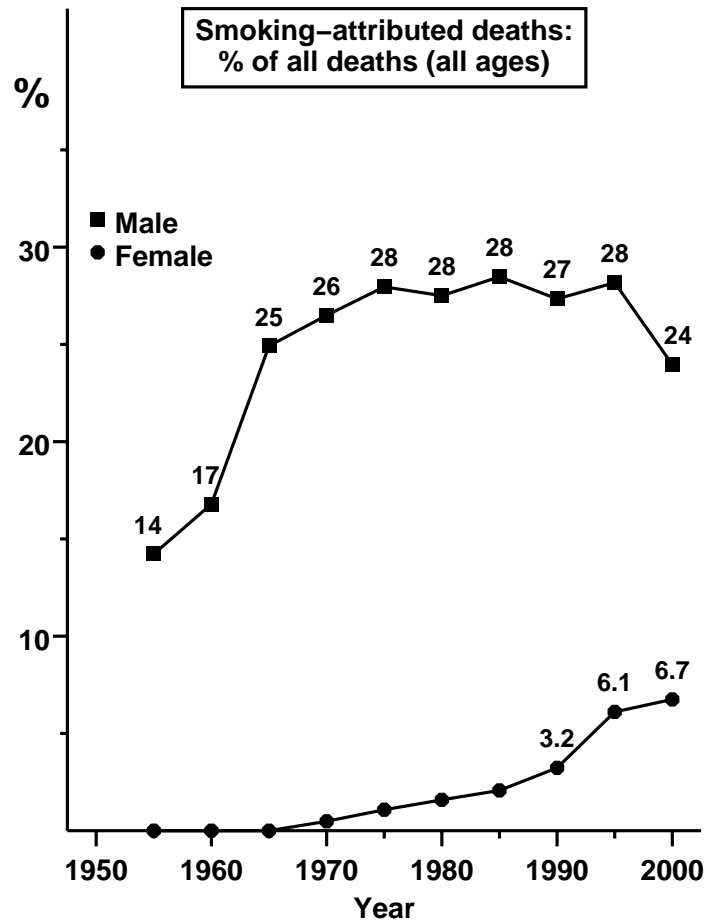
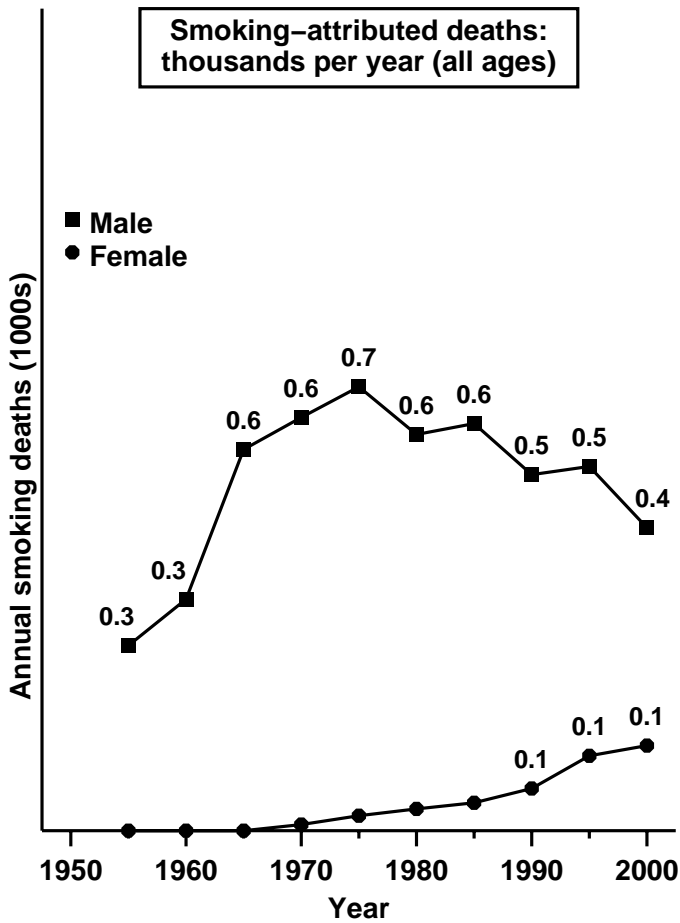
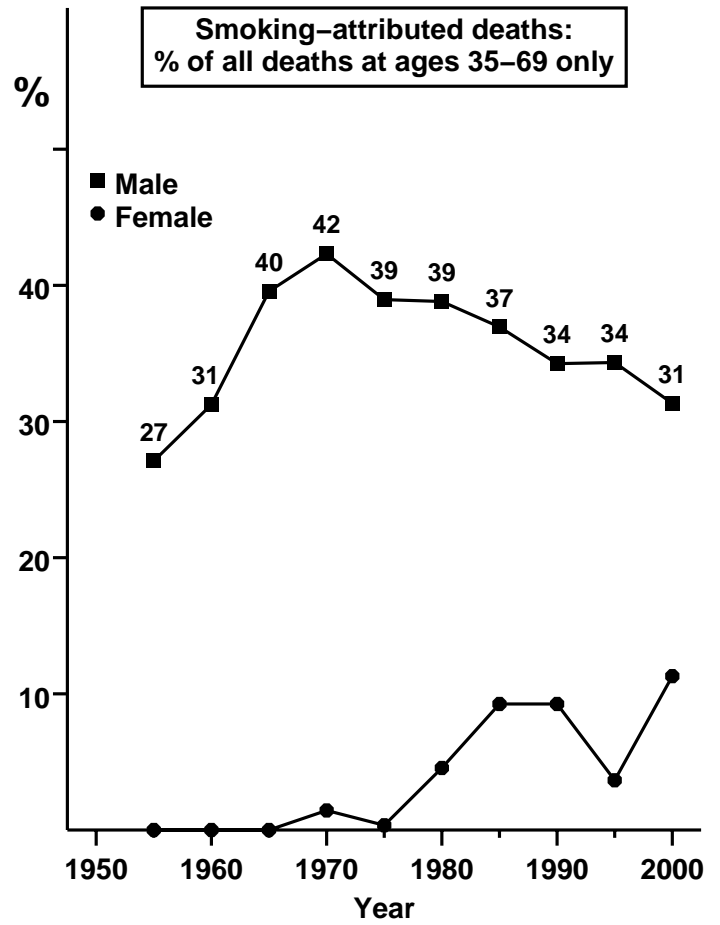
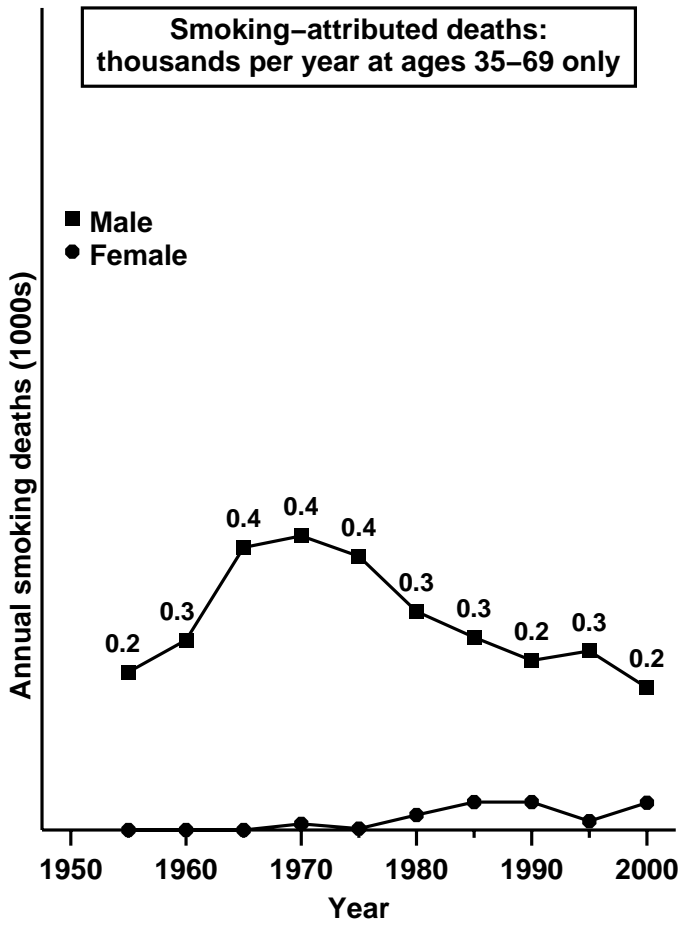
50-year total* (thousands), mid-1950 to mid-2000: 28 / 197

1950-2000 by age & sex:

-/7.4	16/45 (36%)	10/53 (19%)	26/105	-/4.1	0.6/26 (2%)	1.2/62 (2%)	1.7/92
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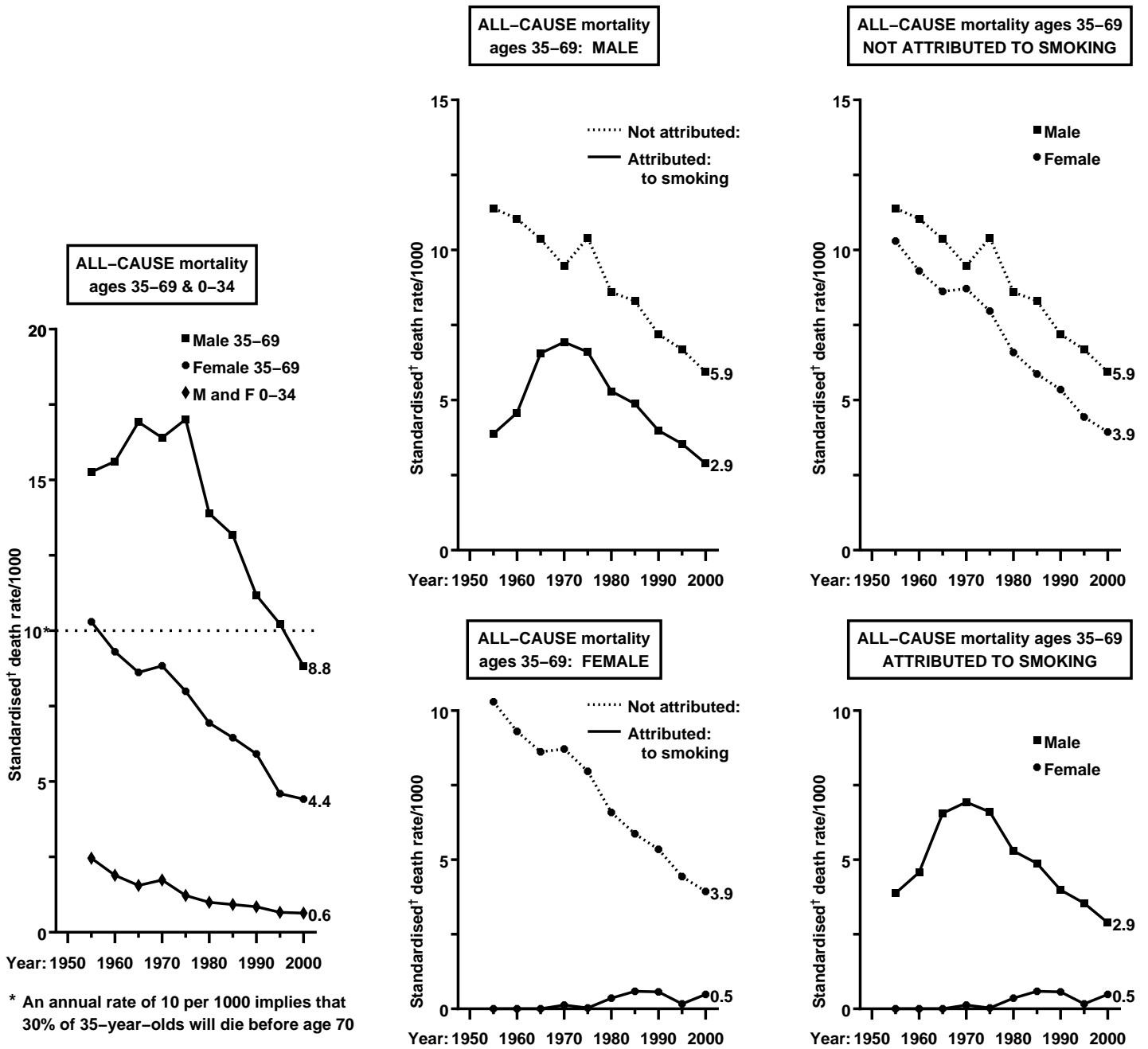
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: LUXEMBOURG



LUXEMBOURG: 1955-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

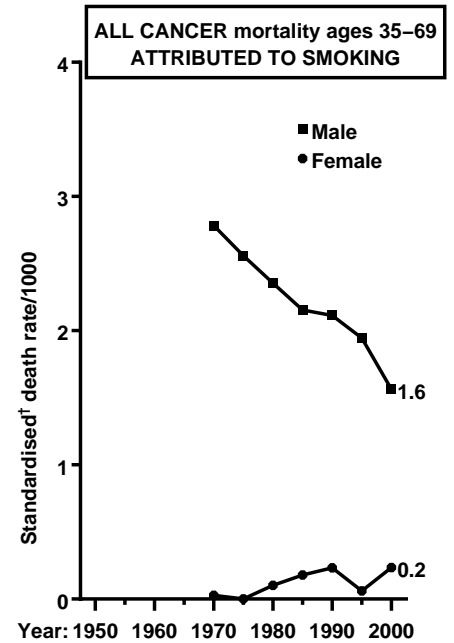
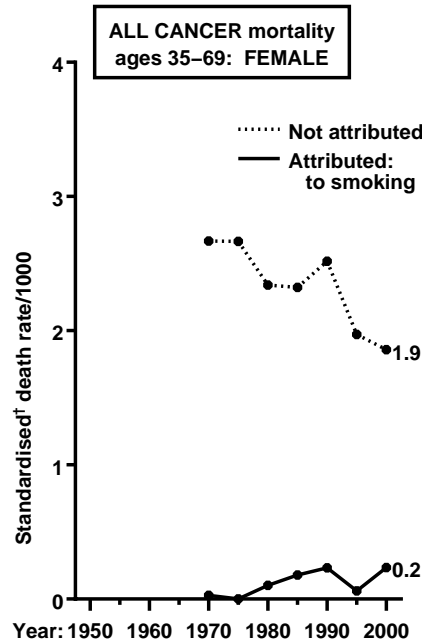
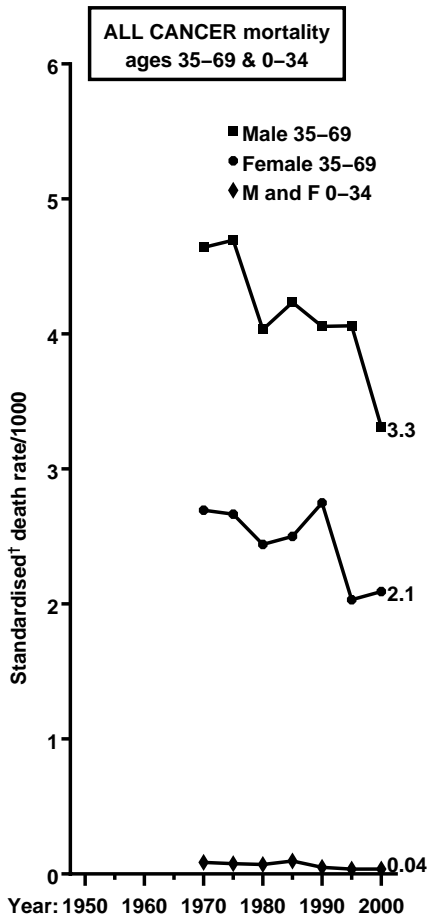
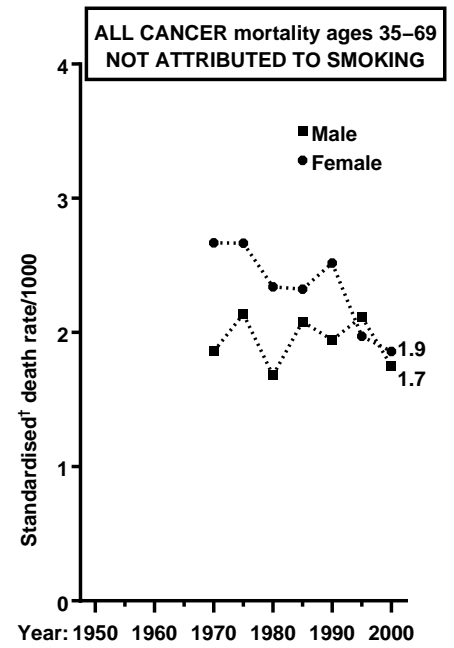
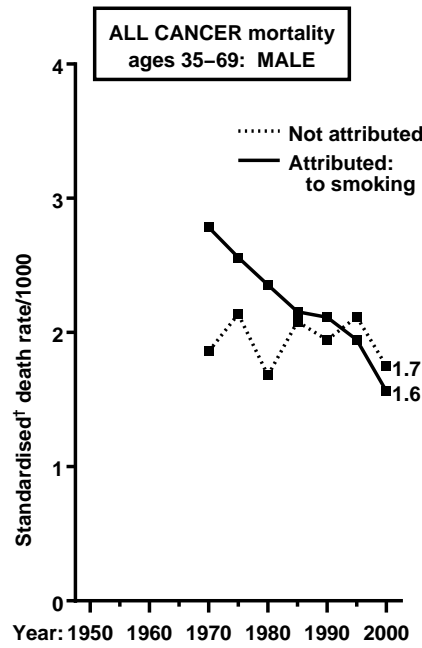
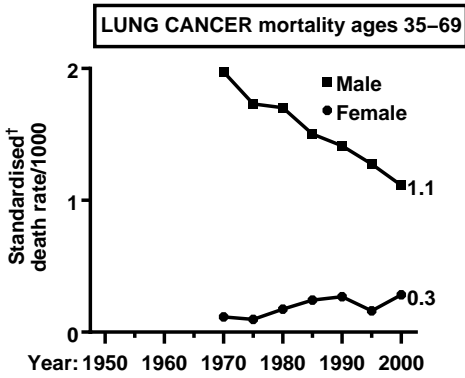
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
1950	
1955	-	2.87	3.87	11.4	4.22	66.6	-	2.04	0.00	10.3	0.00	54.3	-	2.04	0.00	54.3
1960	-	2.45	4.57	11.0	6.20	72.3	-	1.33	0.00	9.30	0.00	59.2	-	1.33	0.00	59.2
1965	-	1.96	6.56	10.4	13.4	68.4	-	1.14	0.00	8.62	0.00	56.6	-	1.14	0.00	56.6
1970	-	2.13	6.93	9.47	15.7	68.4	-	1.33	0.12	8.71	0.00	54.2	-	1.33	0.00	54.2
1975	-	1.68	6.60	10.4	19.7	62.5	-	0.75	0.03	7.96	0.74	62.9	-	0.75	0.03	62.9
1980	-	1.13	5.29	8.60	18.6	61.1	-	0.85	0.35	6.58	0.59	46.5	-	0.85	0.35	46.5
1985	-	1.14	4.87	8.30	21.0	55.6	-	0.69	0.58	5.87	0.00	41.5	-	0.69	0.58	41.5
1990	-	1.13	3.98	7.19	18.6	44.0	-	0.56	0.57	5.35	0.43	33.4	-	0.56	0.57	33.4
1995	-	0.85	3.54	6.68	16.0	36.8	-	0.47	0.16	4.43	2.55	27.9	-	0.47	0.16	27.9
2000	-	0.89	2.88	5.94	12.1	35.9	-	0.37	0.48	3.93	2.04	25.5	-	0.37	0.48	25.5

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1970-2000: LUXEMBOURG

Trends in ALL CANCER mortality attributed and not attributed to smoking



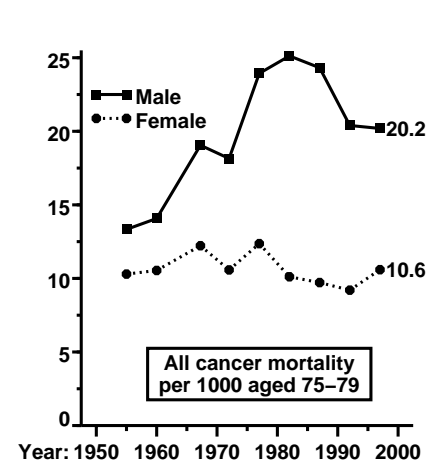
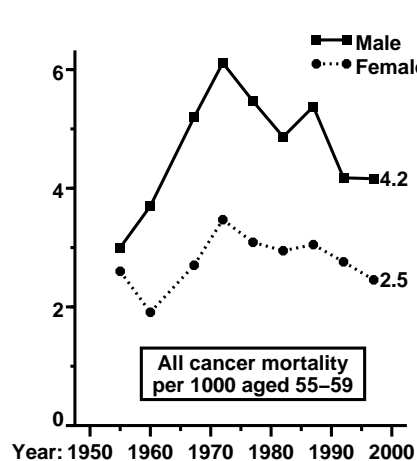
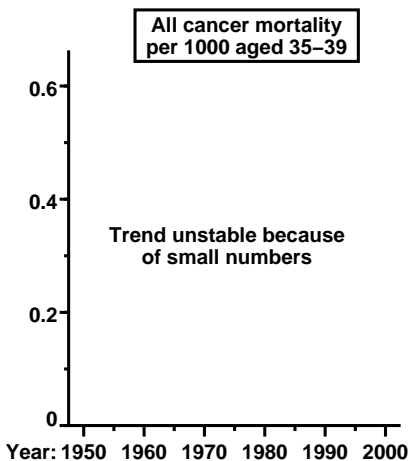
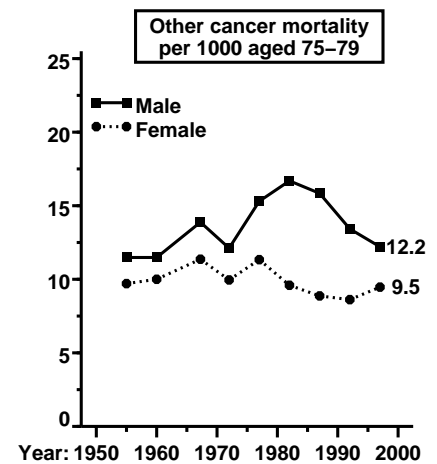
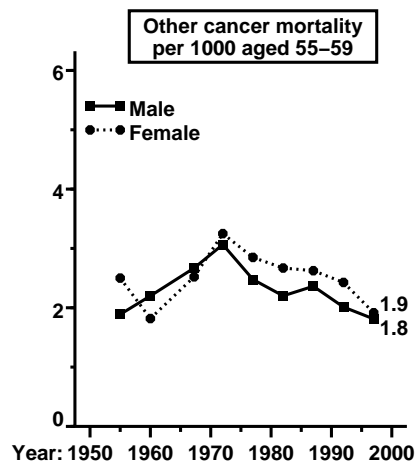
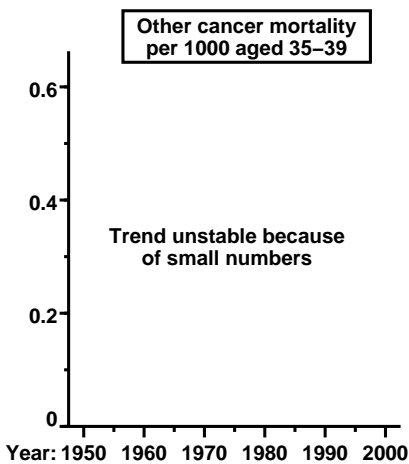
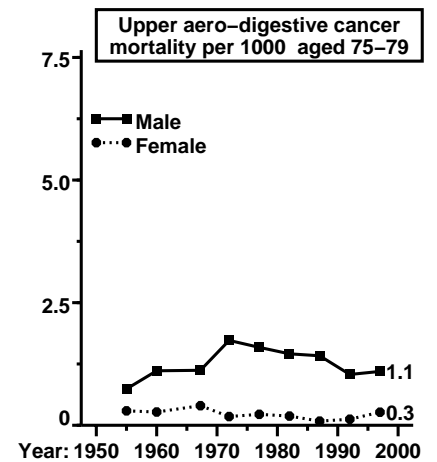
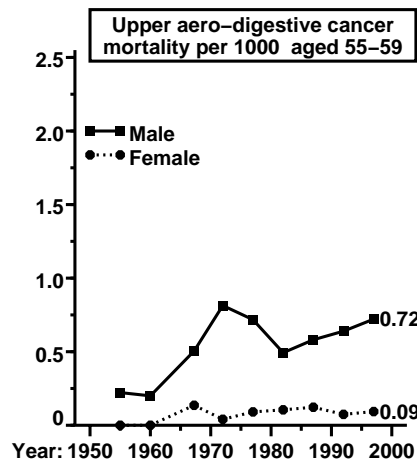
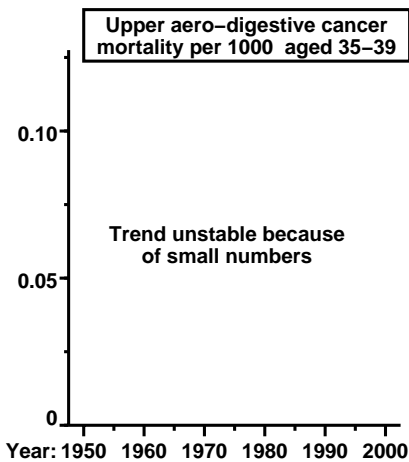
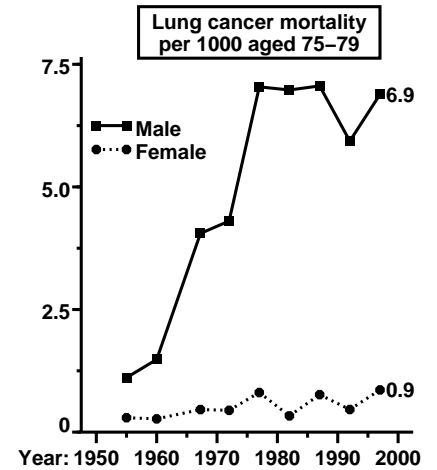
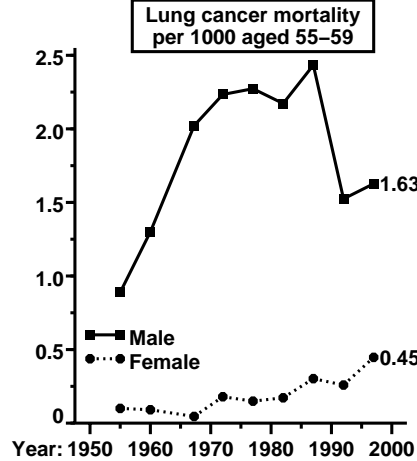
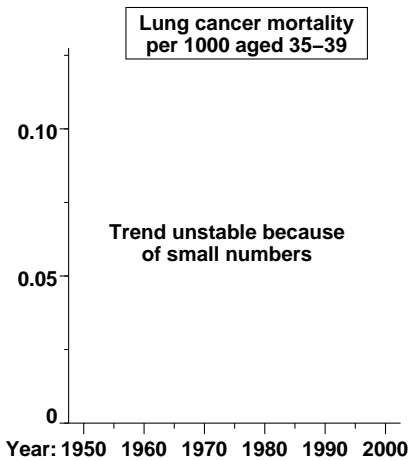
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965
1970	-	0.09	2.78	1.86	6.27	11.6	-	0.08	0.03	2.67	0.00	8.64	-	0.00	0.11	11.2
1975	-	0.13	2.56	2.14	8.07	11.6	-	0.02	0.00	2.66	0.11	11.2	-	0.00	0.18	10.0
1980	-	0.03	2.35	1.68	8.47	12.3	-	0.11	0.10	2.34	0.18	10.0	-	0.10	0.18	10.0
1985	-	0.09	2.15	2.08	9.32	11.6	-	0.10	0.18	2.32	0.00	9.76	-	0.10	0.18	10.0
1990	-	0.03	2.11	1.94	8.40	9.01	-	0.07	0.23	2.52	0.14	7.35	-	0.07	0.14	7.35
1995	-	0.05	1.94	2.12	7.69	8.66	-	0.03	0.06	1.97	0.90	7.82	-	0.03	0.90	7.82
2000	-	0.03	1.56	1.75	6.41	9.86	-	0.04	0.23	1.86	0.66	7.31	-	0.04	0.66	7.31

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

LUXEMBOURG: 1955-2000

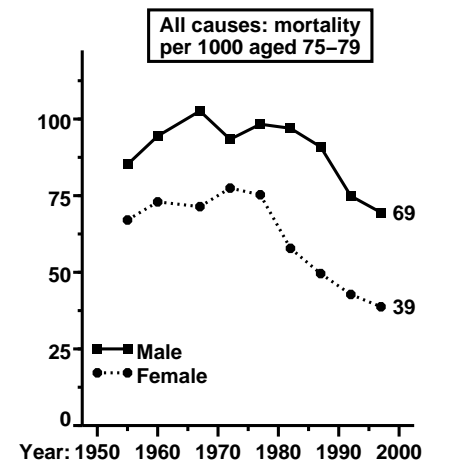
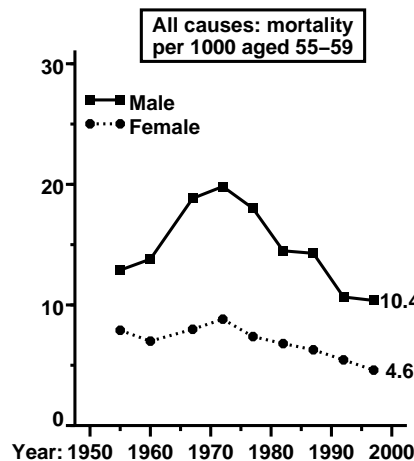
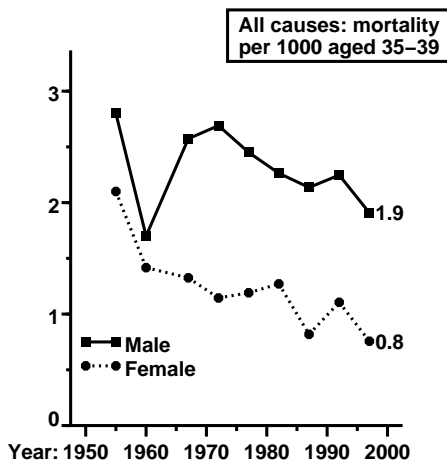
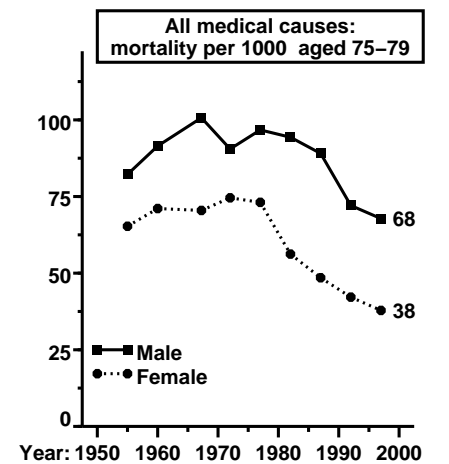
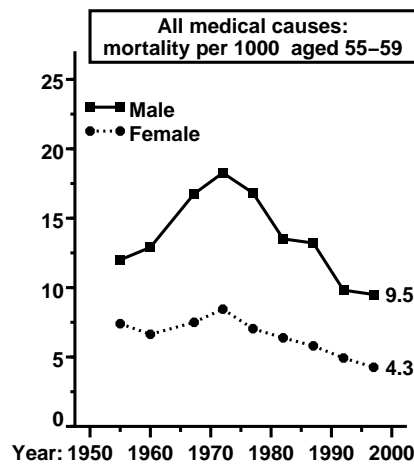
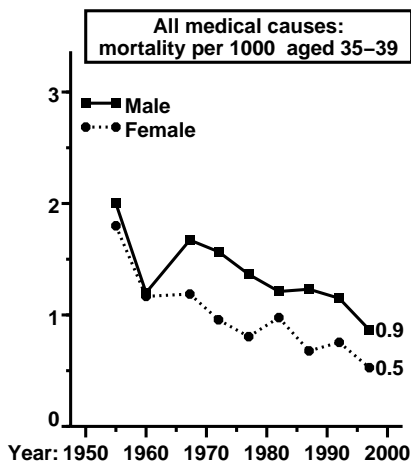
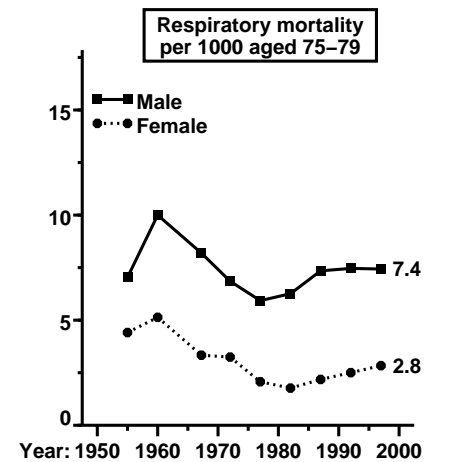
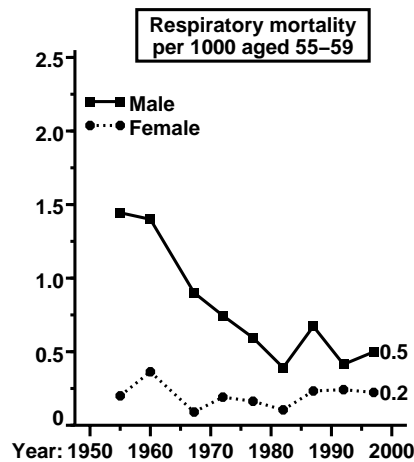
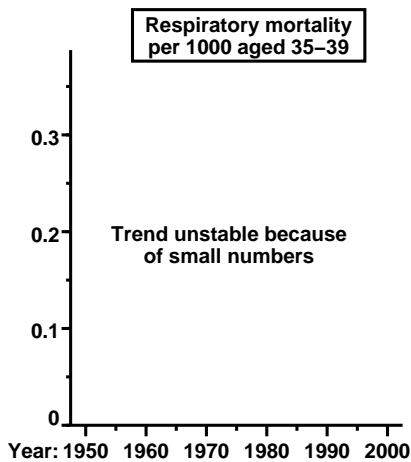
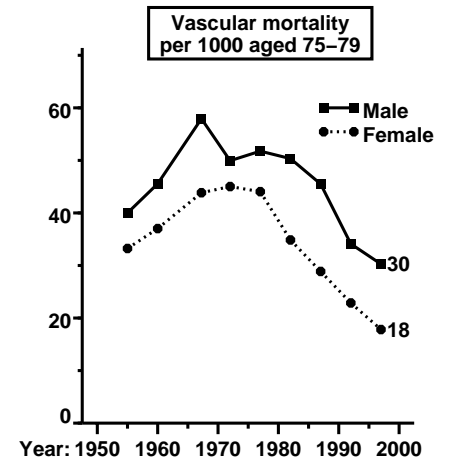
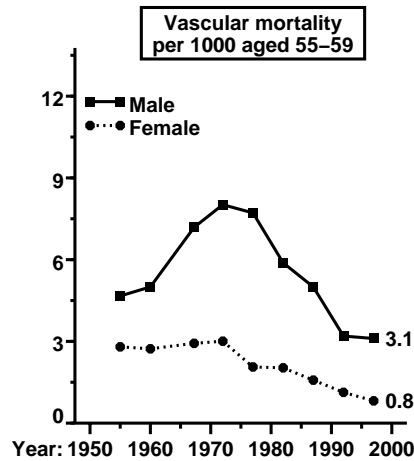
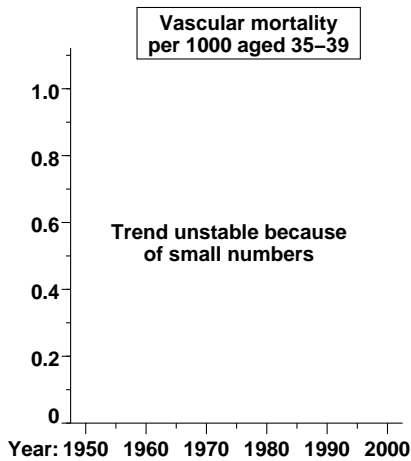
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1955–59,.....,1995–99; year 2000 on pages 296–297

1955-2000: LUXEMBOURG

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1955-59,.....,1995-99; year 2000 on pages 296-297

MACEDONIA, The Former Yugoslav Republic of: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	9327	540	4006	1238.1	98.8	1260.8	289.5	29.1	27.9	54.7	93.3	95.3	102.1
	F	7926	329	2519	865.7	64.7	735.2	263.0	14.8	15.4	27.0	46.1	29.1	57.8
Tuberculosis	M	61	3	33	7.4	0.6	10.5	1.3	-	-	-	-	2.5	-
	F	31	5	14	3.2	1.0	4.0	2.9	1.3	-	-	1.2	-	1.3
HIV	M	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	38	18	13	4.2	3.4	4.1	20.1	-	1.2	-	1.2	-	1.3
	F	32	18	6	3.6	3.7	1.7	23.1	-	-	1.2	1.2	-	-
ALL CANCER	M	1757	31	1105	213.5	5.6	349.2	2.7	2.5	1.2	1.2	10.8	11.4	9.2
	F	1208	41	738	126.2	7.8	203.9	5.8	2.7	6.4	6.1	2.5	6.6	24.2
Mouth and pharynx cancer	M	40	1	25	4.9	0.2	7.2	-	-	-	-	1.2	-	-
	F	17	1	11	1.8	0.2	2.9	1.4	-	-	-	-	-	-
Oesophagus cancer	M	23	-	17	2.8	-	5.3	-	-	-	-	-	-	-
	F	7	-	4	0.8	-	1.1	-	-	-	-	-	-	-
Stomach cancer	M	234	1	131	29.2	0.2	42.7	-	-	-	-	-	1.3	-
	F	125	-	69	12.6	-	20.3	-	-	-	-	-	-	-
Colorectal cancer	M	166	2	103	19.6	0.4	33.6	-	-	-	-	-	1.3	1.3
	F	135	2	75	14.1	0.4	21.7	-	-	-	-	1.2	-	1.3
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	68	-	48	8.3	-	15.8	-	-	-	-	-	-	-
	F	42	-	18	4.2	-	5.3	-	-	-	-	-	-	-
Larynx cancer	M	74	-	54	8.7	-	16.7	-	-	-	-	-	-	-
	F	5	-	3	0.6	-	0.8	-	-	-	-	-	-	-
Lung cancer	M	495	2	358	59.0	0.4	112.7	-	-	-	-	-	1.3	1.3
	F	104	2	63	10.8	0.4	16.9	-	-	-	-	-	-	2.7
Malignant melanoma	M	30	1	15	4.2	0.2	4.1	-	-	-	-	-	1.3	-
	F	24	-	14	2.6	-	3.7	-	-	-	-	-	-	-
Female breast cancer	F	239	2	173	25.3	0.4	46.9	-	-	-	-	-	-	2.7
Cervix cancer	F	56	2	42	5.7	0.4	10.4	-	-	-	-	-	-	2.7
Other uterine cancer	F	64	1	46	6.7	0.2	12.2	-	-	-	1.2	-	-	-
Ovarian cancer	F	55	2	39	5.7	0.4	10.8	-	-	-	-	-	-	2.7
Prostate cancer	M	105	1	29	13.7	0.2	10.2	-	-	-	-	1.2	-	-
Bladder cancer	M	86	-	45	10.9	-	15.2	-	-	-	-	-	-	-
	F	15	-	9	1.6	-	2.8	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	350	11	226	42.6	2.0	69.8	2.7	-	1.2	-	3.6	1.3	5.2
	F	274	19	148	29.0	3.6	41.8	4.3	2.7	3.9	3.7	-	4.0	6.7
Hodgkin's disease	M	15	3	10	1.6	0.5	2.5	-	-	-	-	1.2	2.5	-
	F	5	2	2	0.5	0.4	0.5	-	-	-	-	1.2	1.3	-
Myeloma and non- Hodgkin lymphomas	M	33	2	23	3.8	0.4	6.8	-	-	-	-	1.2	1.3	-
	F	8	-	5	0.8	-	1.2	-	-	-	-	-	-	-
Leukaemia	M	38	7	21	4.2	1.2	6.7	-	2.5	-	1.2	2.4	1.3	1.3
	F	33	8	17	3.3	1.5	4.5	-	-	2.6	1.2	-	1.3	5.4
Diabetes	M	225	1	106	29.2	0.2	34.8	-	-	-	-	-	-	1.3
	F	309	2	114	32.0	0.4	35.3	1.4	1.3	-	-	-	-	-
ALL VASCULAR DISEASE	M	4880	36	1757	685.2	6.4	572.6	8.0	1.3	1.2	7.0	9.6	10.2	7.9
	F	4790	28	1194	527.5	5.2	361.3	4.3	2.7	1.3	3.7	12.5	5.3	6.7
Rheumatic heart disease and fever	M	18	-	12	2.1	-	3.6	-	-	-	-	-	-	-
	F	20	2	12	2.0	0.4	3.6	-	-	-	1.2	-	-	1.3
Hypertensive disease	M	176	-	49	25.6	-	16.3	-	-	-	-	-	-	-
	F	229	2	51	26.1	0.4	15.5	-	-	-	-	2.5	-	-
Ischaemic heart disease	M	1230	10	729	153.6	1.8	228.8	-	-	-	-	4.8	3.8	3.9
	F	717	4	313	74.7	0.8	93.6	-	-	-	-	1.2	1.3	2.7
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	1563	8	528	216.7	1.4	177.4	4.0	1.3	1.2	3.5	-	-	-
	F	1714	8	494	184.1	1.5	148.8	2.9	1.3	1.3	1.2	1.2	2.6	-
Other vascular disease, incl. venous	M	1893	18	439	287.1	3.2	146.5	4.0	-	-	3.5	4.8	6.4	3.9
	F	2110	12	324	240.6	2.2	99.8	1.4	1.3	-	1.2	7.5	1.3	2.7
Chronic obstructive pulmonary disease	M	220	2	62	30.7	0.4	21.7	1.3	-	-	-	-	-	1.3
	F	155	2	34	17.4	0.4	10.5	-	-	-	1.2	-	1.3	-
Other respiratory disease	M	147	20	48	18.8	3.7	14.8	13.4	3.8	1.2	1.2	1.2	1.3	3.9
	F	100	12	33	10.9	2.4	9.8	11.6	-	-	1.2	2.5	-	1.3
Peptic ulcer	M	29	-	13	4.0	-	3.9	-	-	-	-	-	-	-
	F	17	-	3	1.8	-	0.9	-	-	-	-	-	-	-
Liver cirrhosis	M	100	2	80	11.5	0.4	22.5	-	-	-	-	-	-	2.6
	F	32	1	21	3.3	0.2	6.3	1.4	-	-	-	-	-	-
Renal disease	M	124	8	56	15.9	1.4	17.4	-	-	1.2	1.2	2.4	1.3	3.9
	F	99	3	51	10.4	0.5	14.7	-	-	-	-	2.5	-	1.3
Pregnancy, birth Congenital and perinatal causes	F	4	3	1	0.4	0.5	0.2	-	-	-	1.2	1.2	-	1.3
	M	154	152	-	16.6	29.0	-	198.4	-	2.4	-	1.2	1.3	-
	F	120	116	2	13.8	23.9	0.4	161.8	-	-	-	-	5.3	-
Ill-defined causes	M	775	65	327	108.9	11.8	99.7	30.8	1.3	2.4	10.5	12.0	10.2	15.7
	F	665	36	157	77.4	7.2	45.4	36.1	-	1.3	1.2	6.2	2.6	2.7
Other medical causes	M	285	28	138	35.6	5.0	41.7	8.0	2.5	2.4	5.8	3.6	5.1	7.9
	F	168	16	73	17.2	3.0	20.3	5.8	1.3	2.6	2.5	2.5	2.6	4.0
ALL NON- MEDICAL CAUSES	M	532	174	268	56.7	30.9	68.0	5.4	17.7	14.6	27.9	51.4	50.8	48.4
	F	196	46	78	20.7	8.6	20.6	8.7	5.4	3.9	8.6	13.7	5.3	14.8
Motor vehicle traffic accidents	M	82	31	41	8.4	5.5	10.8	-	7.6	-	3.5	12.0	8.9	6.5
	F	25	7	12	2.5	1.3	3.3	1.4	-	1.3	1.2	2.5	1.3	1.3
Fire	M	7	-	4	0.8	-	0.9	-	-	-	-	-	-	-
	F	4	-	1	0.5	-	0.3	-	-	-	-	-	-	-
Suicide	M	104	27	62	10.8	4.8	15.3	-	-	1.2	1.2	9.6	11.4	10.5
	F	46	9	27	4.6	1.7	6.7	-	-	-	3.7	1.2	2.6	4.0
Homicide	M	46	18	22	4.8	3.2	5.5	-	-	-	2.3	7.2	6.4	6.5
	F	15	6	6	1.5	1.1	1.7	-	1.3	-	1.2	2.5	1.3	1.3
POPULATION: (1000s; UN, 2002 revision)			M=male		1011.9	560.7	399.2	74.6	79.1	82.4	85.9	83.6	78.7	76.4
			F=female		1011.9	533.1	409.6	69.2	74.3	77.9	81.5	80.2	75.6	74.4

2000: The Former Yugoslav Republic of MACEDONIA
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Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK		
168.7	287.3	473.4	921.2	1255.4	2150.2	3569.5	5449.6	9109.1	19299.0	M	ALL CAUSES 001-999/A00-Y89
94.3	167.1	290.7	446.4	659.3	1254.3	2234.3	4083.6	6756.6	15608.4	F	
2.7	4.1	1.4	9.2	4.3	9.4	42.8	46.5	42.4	61.9	M	Tuberculosis 010-018, 137/A15-A19, B90
1.4	2.8	-	1.8	2.0	8.5	11.6	15.5	17.7	21.0	F	
-	-	-	-	-	-	-	-	-	-	M	HIV 279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F	
1.3	1.4	1.4	-	6.4	2.3	16.0	15.5	12.1	10.3	M	Other infective and parasitic Rest of 001-139/rest of A00-B99 excl A33,A34
-	-	2.9	-	2.0	2.1	4.6	6.2	4.4	35.0	F	
29.5	66.4	136.7	258.2	373.4	633.8	946.5	1015.5	1430.3	1268.0	M	ALL CANCER 140-208/C00-C97
47.8	75.8	130.8	179.3	260.1	324.8	408.4	591.3	623.9	678.3	F	
2.7	-	8.6	5.5	10.7	7.0	16.0	19.4	30.3	41.2	M	Mouth and pharynx cancer 140-149/C00-C14
-	-	5.8	1.8	2.0	6.4	4.6	6.2	8.8	7.0	F	
-	1.4	2.9	5.5	4.3	7.0	16.0	7.8	12.1	20.6	M	Oesophagus cancer 150/C15
1.4	-	-	-	2.0	4.3	-	3.1	4.4	7.0	F	
-	8.1	10.1	25.6	53.6	70.4	131.0	178.3	200.0	237.1	M	Stomach cancer 151/C16
4.1	4.2	7.3	5.3	16.1	42.7	62.6	74.3	97.3	69.9	F	
4.0	6.8	11.5	12.8	23.6	56.3	120.3	77.5	206.1	72.2	M	Colorectal cancer 153, 154/C18-C21
1.4	2.8	13.1	12.3	30.2	32.1	60.3	77.4	79.6	104.9	F	
...	...	...	...	...	...	...	...	...	...	M	Liver cancer Not given separately
...	...	...	...	...	...	...	...	...	...	F	
2.7	1.4	-	7.3	17.2	42.3	40.1	42.6	30.3	41.2	M	Pancreas cancer 157/C25
1.4	-	-	5.3	4.0	15.0	11.6	37.2	44.2	14.0	F	
2.7	4.1	8.6	9.2	17.2	37.6	37.4	27.1	66.7	20.6	M	Larynx cancer 161/C32
1.4	-	-	1.8	-	-	2.3	-	-	14.0	F	
1.3	24.4	43.2	98.9	128.8	211.3	280.7	279.1	272.7	185.6	M	Lung cancer 162/C33, C34
9.6	8.4	10.2	14.1	20.2	23.5	32.5	71.2	31.0	62.9	F	
-	2.7	2.9	7.3	6.4	9.4	-	7.8	24.2	82.5	M	Malignant melanoma 172/C43
2.7	-	2.9	7.0	2.0	6.4	4.6	6.2	17.7	28.0	F	
8.2	22.5	36.3	45.7	68.5	74.8	71.9	89.8	97.3	90.9	F	Female breast cancer 174/C50
5.5	15.4	10.2	5.3	14.1	8.5	13.9	12.4	26.5	14.0	F	Cervix cancer 180/C53
1.4	4.2	13.1	17.6	18.1	15.0	16.2	27.9	31.0	7.0	F	Other uterine cancer 179, 182/C54, C55
1.4	2.8	7.3	15.8	8.1	15.0	25.5	21.7	22.1	14.0	F	Ovarian cancer 183/C56, C570-C574
-	-	1.4	1.8	4.3	23.5	40.1	100.8	200.0	164.9	M	Prostate cancer 185/C61
-	1.4	1.4	11.0	6.4	32.9	53.5	58.1	97.0	103.1	M	Bladder cancer 188/C67
-	-	-	3.5	2.0	2.1	11.6	6.2	8.8	14.0	F	
10.7	13.6	33.1	62.3	85.8	98.6	184.5	174.4	248.5	278.4	M	Other and ill-defined cancer sites Rest of 140-199/rest of C00-C80, C97
8.2	12.6	16.0	33.4	70.6	72.6	78.9	142.4	132.7	216.8	M	
1.3	1.4	4.3	5.5	2.1	-	2.7	7.8	-	-	F	Hodgkin's disease 201/C81
-	-	1.5	-	-	-	2.3	3.1	-	-	F	
1.3	1.4	5.8	3.7	6.4	23.5	5.3	19.4	12.1	10.3	M	Myeloma and non-Hodgkin lymphomas 200, 202-203/C82-C90, C96
-	-	4.4	1.8	-	-	2.3	6.2	-	7.0	F	
2.7	-	2.9	1.8	6.4	14.1	18.7	15.5	30.3	10.3	M	Leukaemia 204-208/C91-C95
1.4	2.8	2.9	8.8	2.0	6.4	7.0	6.2	22.1	7.0	F	
2.7	1.4	14.4	12.8	36.5	63.4	112.3	182.2	218.2	360.8	M	Diabetes 250/E10-E14
2.7	1.4	2.9	10.5	28.2	62.0	139.2	226.0	292.0	377.6	F	
30.8	71.8	152.5	370.0	568.7	1065.7	1748.7	3209.3	5787.9	13443.3	M	ALL VASCULAR DISEASE 390-459/I00-I99
16.4	39.3	88.7	175.7	260.1	647.4	1301.6	2693.5	4800.9	11279.7	F	
1.3	2.7	-	1.8	6.4	4.7	8.0	15.5	6.1	10.3	M	Rheumatic heart disease and fever 390-398/I00-I09
-	1.4	-	-	6.0	6.4	11.6	12.4	8.8	-	F	
-	1.4	2.9	9.2	12.9	42.3	45.5	120.2	242.4	577.3	M	Hypertensive disease 401-405/I10-I15
2.7	-	1.5	8.8	12.1	29.9	53.4	102.2	203.5	678.3	F	
13.4	39.3	82.0	207.0	285.4	431.9	542.8	829.5	969.7	1206.2	M	Ischaemic heart disease 410-414/I20-I25
2.7	14.0	29.1	54.5	76.6	158.1	320.2	517.0	526.5	797.2	F	
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous Not given separately
...	...	...	...	...	...	...	...	...	...	F	
8.0	16.3	31.7	80.6	148.1	326.3	631.0	1089.1	2175.8	3989.7	M	Cerebrovascular disease 430-438/I60-I69
10.9	15.4	39.2	77.3	108.9	256.4	533.6	1021.7	1845.1	3251.7	F	
8.0	12.2	36.0	71.4	115.9	260.6	521.4	1155.0	2393.9	7659.8	M	Other vascular disease, incl. venous Rest of 390-459/rest of I00-I99
-	8.4	18.9	35.1	56.5	196.6	382.8	1040.2	2216.8	6552.4	F	
1.3	1.4	2.9	5.5	12.9	23.5	104.3	193.8	290.9	597.9	M	Chronic obstructive pulmonary disease 490-496/J40-J47, J67
-	1.4	1.5	1.8	8.1	23.5	37.1	96.0	119.5	426.6	F	
6.7	2.7	8.6	5.5	4.3	32.9	42.8	104.7	163.6	257.7	M	Other respiratory disease Rest of 460-519/rest of J00-J98
1.4	2.8	1.5	5.3	10.1	12.8	34.8	40.2	70.8	181.8	F	
-	1.4	1.4	7.3	4.3	4.7	8.0	15.5	36.4	61.9	M	Peptic ulcer 531-533/K25-K27
-	-	1.5	-	-	-	4.6	-	39.8	35.0	F	
2.7	9.5	25.9	25.6	27.9	28.2	37.4	38.8	36.4	20.6	M	Liver cirrhosis 571/K70, K74
-	1.4	1.5	5.3	2.0	8.5	25.5	12.4	13.3	21.0	F	
-	1.4	10.1	22.0	8.6	39.9	40.1	77.5	133.3	185.6	M	Renal disease 580-590/N00-N19
4.1	1.4	5.8	8.8	16.1	32.1	34.8	58.8	53.1	97.9	F	
1.4	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth 630-676/A34, O00-O99
-	-	-	-	-	-	-	-	-	20.6	M	Congenital and perinatal causes 740-779/A33, P00-P96, Q00-Q99
17.4	31.2	46.0	97.1	115.9	115.0	275.4	263.6	515.2	2371.1	F	
5.5	12.6	21.8	26.4	40.3	81.2	129.9	210.5	486.7	2055.9	M	Ill-defined causes 780-799/R00-R99
8.0	19.0	15.8	44.0	38.6	54.0	112.3	155.0	248.5	391.8	M	Other medical causes Rest of 001-799/rest of A00-R99
4.1	7.0	16.0	19.3	12.1	29.9	53.4	80.5	154.9	125.9	F	
65.6	75.9	56.1	64.1	53.6	77.5	82.9	131.8	193.9	247.4	M	ALL NON-MEDICAL CAUSES E800-E999/V01-Y89
9.6	19.7	14.5	12.3	18.1	21.4	48.7	52.6	79.6	258.7	F	
5.4	14.9	8.6	5.5	10.7	11.7	18.7	19.4	24.2	10.3	M	Motor vehicle traffic accidents E810-E819/part of V01-V99
1.4	1.4	2.9	1.8	2.0	6.4	7.0	9.3	4.4	14.0	F	
-	2.7	1.4	-	-	2.3	-	3.9	12.1	-	M	Fire E890-E899/X00-X09
-	-	-	-	-	-	2.3	-	4.4	14.0	F	
20.1	19.0	12.9	12.8	4.3	16.4	21.4	23.3	42.4	20.6	M	Suicide E950-E959/X60-X84
5.5	11.2	4.4	-	12.1	2.1	11.6	18.6	8.8	14.0	F	
5.4	4.1	5.8	7.3	8.6	4.7	2.7	7.8	18.2	10.3	M	Homicide E960-E969/X85-X99, Y00-Y09
-	-	1.5	1.8	2.0	-	7.0	-	8.8	7.0	F	
74.7	73.8	69.5	54.6	46.6	42.6	37.4	25.8	16.5	9.7	M	POPULATION
73.2	71.2	68.8	56.9	49.6	46.8	43.1	32.3	22.6	14.3	F	(1000s; UN, 2002 revision)

MACEDONIA, The Former Yugoslav Republic of: 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
35-69	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
70+	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
Any age	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	540	31	2	1	28	2	20	36	2	275	174
35-69	Sm.	1255	495	331	62	102	48	14	493	-	205	-
	Total	4006 (31%)	1105 (45%)	358 (92%)	96 (65%)	651 (16%)	62 (77%)	48 (29%)	1757 (28%)	80	686 (30%)	268
70+	Sm.	543	168	115	18	35	92	6	224	-	53	-
	Total	4781 (11%)	621 (27%)	135 (85%)	40 (45%)	446 (8%)	156 (59%)	79 (8%)	3087 (7%)	18	730 (7%)	90
Any age	Sm.	1798	663	446	80	137	140	20	717	-	258	-
	Total	9327 (19%)	1757 (38%)	495 (90%)	137 (58%)	1125 (12%)	220 (64%)	147 (14%)	4880 (15%)	100	1691 (15%)	532

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	1011.9	560.7	399.2	74.7	73.8	69.5	54.6	46.6	42.6	37.4	25.8	16.5	9.7
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	9327	540	4006	126	212	329	503	585	916	1335	1406	1503	1872
Lung cancer													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	495	2	358	1	18	30	54	60	90	105	72	45	18
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	1238.1*	98.8*	1260.8*	168.7	287.3	473.4	921.2	1255.4	2150.2	3569.5	5449.6	9109.1	19299.0
All cancer													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	213.5*	5.6*	349.2*	29.5	66.4	136.7	258.2	373.4	633.8	946.5	1015.5	1430.3	1268.0
Lung cancer													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	59.0*	0.4*	112.7*	1.3	24.4	43.2	98.9	128.8	211.3	280.7	279.1	272.7	185.6
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	16.4*	0.2*	29.2*	5.4	5.4	20.1	20.1	32.2	51.6	69.5	54.3	109.1	82.5
Other cancer													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	138.1*	5.0*	207.4*	22.8	36.6	73.4	139.2	212.4	370.9	596.3	682.2	1048.5	1000.0
Chronic obstructive pulmonary disease (COPD)													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	30.7*	0.4*	21.7*	1.3	1.4	2.9	5.5	12.9	23.5	104.3	193.8	290.9	597.9
Other respiratory disease													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	18.8*	3.7*	14.8*	6.7	2.7	8.6	5.5	4.3	32.9	42.8	104.7	163.6	257.7
Vascular disease													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	685.2*	6.4*	572.6*	30.8	71.8	152.5	370.0	568.7	1065.7	1748.7	3209.3	5787.9	13443.3
Liver cirrhosis													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	11.5*	0.4*	22.5*	2.7	9.5	25.9	25.6	27.9	28.2	37.4	38.8	36.4	20.6
Other medical causes													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	221.7*	51.5*	212.1*	32.1	59.6	90.6	192.3	214.6	288.7	607.0	755.8	1206.1	3463.9
All non-medical causes													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	56.7*	30.9*	68.0*	65.6	75.9	56.1	64.1	53.6	77.5	82.9	131.8	193.9	247.4

2000: The Former Yugoslav Republic of MACEDONIA
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Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
35-69	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
70+	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
Any age	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	329	41	2	1	38	2	12	28	1	199	46
35-69	Sm.	138	43	32	5	6	8	0	62	-	25	-
	Total	2519 (5%)	738 (6%)	63 (51%)	18 (28%)	657 (1%)	34 (24%)	33 (0%)	1194 (5%)	21	421 (6%)	78
70+	Sm.	103	17	14	1	2	15	1	57	-	13	-
	Total	5078 (2%)	429 (4%)	39 (36%)	10 (10%)	380 (1%)	119 (13%)	55 (2%)	3568 (2%)	10	825 (2%)	72
Any age	Sm.	241	60	46	6	8	23	1	119	-	38	-
	Total	7926 (3%)	1208 (5%)	104 (44%)	29 (21%)	1075 (1%)	155 (15%)	100 (1%)	4790 (2%)	32	1445 (3%)	196

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	1011.9	533.1	409.6	73.2	71.2	68.8	56.9	49.6	46.8	43.1	32.3	22.6	14.3	
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	7926	329	2519	69	119	200	254	327	587	963	1319	1527	2232	
Lung cancer														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	104	2	63	7	6	7	8	10	11	14	23	7	9	
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	865.7*	64.7*	735.2*	94.3	167.1	290.7	446.4	659.3	1254.3	2234.3	4083.6	6756.6	15608.4	
All cancer														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	126.2*	7.8*	203.9*	47.8	75.8	130.8	179.3	260.1	324.8	408.4	591.3	623.9	678.3	
Lung cancer														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	10.8*	0.4*	16.9*	9.6	8.4	10.2	14.1	20.2	23.5	32.5	71.2	31.0	62.9	
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	3.1*	0.2*	4.8*	2.7	-	5.8	3.5	4.0	10.7	7.0	9.3	13.3	28.0	
Other cancer														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	112.2*	7.2*	182.1*	35.5	67.4	114.8	161.7	235.9	290.6	368.9	510.8	579.6	587.4	
Chronic obstructive pulmonary disease (COPD)														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	17.4*	0.4*	10.5*	-	1.4	1.5	1.8	8.1	23.5	37.1	96.0	119.5	426.6	
Other respiratory disease														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	10.9*	2.4*	9.8*	1.4	2.8	1.5	5.3	10.1	12.8	34.8	40.2	70.8	181.8	
Vascular disease														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	527.5*	5.2*	361.3*	16.4	39.3	88.7	175.7	260.1	647.4	1301.6	2693.5	4800.9	11279.7	
Liver cirrhosis														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	3.3*	0.2*	6.3*	-	1.4	1.5	5.3	2.0	8.5	25.5	12.4	13.3	21.0	
Other medical causes														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	159.7*	40.2*	122.8*	19.1	26.7	52.3	66.8	100.8	215.8	378.2	597.5	1048.7	2762.2	
All non-medical causes														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	20.7*	8.6*	20.6*	9.6	19.7	14.5	12.3	18.1	21.4	48.7	52.6	79.6	258.7	

MACEDONIA, The Former Yugoslav Republic of: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.5	– / 0.3	–
35–69	1.3 / 4.0	0.1 / 2.5	21 years
70+	0.5 / 4.8	0.1 / 5.1	9 years
All ages	1.8 / 9.3	0.2 / 7.9	17 years

Deaths, by cause, attributed to SMOKING / total deaths in the year 2000

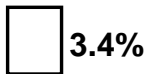
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 2	331/358	115/135	446/495	– / 2	32/63	14/39	46/104
All Cancer	– / 31	495/1105 (45%)	168/621 (27%)	663/1757	– / 41	43/738 (6%)	17/429 (4%)	60/1208
Vascular	– / 36	493/1757	224/3087	717/4880	– / 28	62/1194	57/3568	119/4790
Respiratory	– / 22	62/110	98/235	160/367	– / 14	8/67	16/174	24/255
All Other	– / 451	205/1034	53/838	258/2323	– / 246	25/520	13/907	38/1673
All Causes	– / 540	1255/4006 (31%)	543/4781 (11%)	1798/9327	– / 329	138/2519 (5%)	103/5078 (2%)	241/7926

**Cancer deaths, and all deaths,
attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	0.7 / 1.8 (38%)	0.1 / 1.2 (5%)	0.7 / 3.0 (24%)
All Causes	1.8 / 9.3 (19%)	0.2 / 7.9 (3%)	2.0 / 17 (12%)

2000: The Former Yugoslav Republic of MACEDONIA

Population risk of dying at ages 0–34

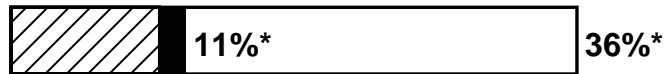


Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE

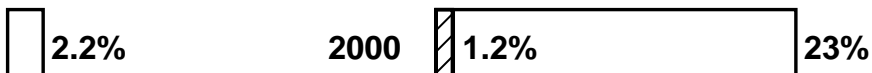
2000



***At year 2000 male death rates, out of 100 men aged 35, 36 would die before age 70 (with 11 of these deaths attributed to smoking)**

FEMALE

2000



MALTA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	1513	49	474	848.3	52.4	753.5	132.2	14.8	13.7	40.0	65.8	58.0	42.4
	F	1460	32	318	553.3	37.9	432.7	122.8	15.7	7.2	28.0	7.0	30.8	53.6
Tuberculosis	M	1	-	-	0.5	-	-	-	-	-	-	-	-	-
	F	2	-	1	0.8	-	1.6	-	-	-	-	-	-	-
HIV	M	1	-	1	0.5	-	1.0	-	-	-	-	-	-	-
	F	1	1	-	0.6	1.3	-	-	-	-	-	-	-	8.9
Other infective and parasitic	M	9	2	2	5.5	2.2	3.7	8.3	7.4	-	-	-	-	-
	F	10	1	2	3.9	1.0	2.6	-	-	-	7.0	-	-	-
ALL CANCER	M	360	-	169	200.7	-	266.8	-	-	-	-	-	-	-
	F	349	3	156	145.3	3.7	206.1	-	7.9	-	-	-	-	17.9
Mouth and pharynx cancer	M	7	-	4	3.7	-	4.7	-	-	-	-	-	-	-
	F	5	-	2	1.9	-	2.6	-	-	-	-	-	-	-
Oesophagus cancer	M	4	-	2	2.2	-	2.7	-	-	-	-	-	-	-
	F	1	-	-	0.3	-	-	-	-	-	-	-	-	-
Stomach cancer	M	23	-	12	13.0	-	19.9	-	-	-	-	-	-	-
	F	15	-	5	6.1	-	7.3	-	-	-	-	-	-	-
Colorectal cancer	M	39	-	23	22.3	-	38.7	-	-	-	-	-	-	-
	F	46	-	15	18.2	-	17.8	-	-	-	-	-	-	-
Liver cancer	M	3	-	2	1.5	-	3.0	-	-	-	-	-	-	-
	F	3	-	1	1.2	-	1.5	-	-	-	-	-	-	-
Pancreas cancer	M	18	-	10	9.8	-	15.8	-	-	-	-	-	-	-
	F	25	-	12	10.5	-	16.9	-	-	-	-	-	-	-
Larynx cancer	M	3	-	-	1.6	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Lung cancer	M	94	-	49	52.9	-	78.8	-	-	-	-	-	-	-
	F	27	-	12	11.4	-	15.1	-	-	-	-	-	-	-
Malignant melanoma	M	3	-	2	1.6	-	3.0	-	-	-	-	-	-	-
	F	2	-	2	1.0	-	2.2	-	-	-	-	-	-	-
Female breast cancer	F	102	2	56	44.7	2.6	71.2	-	-	-	-	-	-	17.9
Cervix cancer	F	5	-	3	2.2	-	4.1	-	-	-	-	-	-	-
Other uterine cancer	F	7	-	3	3.0	-	4.1	-	-	-	-	-	-	-
Ovarian cancer	F	19	-	10	8.4	-	14.2	-	-	-	-	-	-	-
Prostate cancer	M	38	-	4	21.3	-	6.4	-	-	-	-	-	-	-
Bladder cancer	M	20	-	8	11.2	-	13.9	-	-	-	-	-	-	-
	F	3	-	1	1.1	-	1.6	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	74	-	39	41.0	-	60.7	-	-	-	-	-	-	-
	F	61	-	26	24.5	-	35.5	-	-	-	-	-	-	-
Hodgkin's disease	M	1	-	-	0.5	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Myeloma and non-Hodgkin lymphomas	M	20	-	11	11.0	-	15.5	-	-	-	-	-	-	-
	F	16	-	2	5.7	-	2.4	-	-	-	-	-	-	-
Leukaemia	M	13	-	3	7.1	-	3.7	-	-	-	-	-	-	-
	F	12	1	6	5.1	1.1	9.5	-	7.9	-	-	-	-	-
Diabetes	M	31	1	9	16.9	1.0	16.3	-	-	-	-	-	7.2	-
	F	51	1	7	18.6	1.3	10.1	-	-	-	-	-	-	8.9
ALL VASCULAR DISEASE	M	686	3	189	386.4	3.4	317.0	8.3	-	-	-	-	7.2	8.5
	F	702	-	102	252.9	-	147.5	-	-	-	-	-	-	-
Rheumatic heart disease and fever	M	3	1	2	1.8	1.2	3.7	8.3	-	-	-	-	-	-
	F	2	-	1	0.9	-	1.6	-	-	-	-	-	-	-
Hypertensive disease	M	8	1	4	4.6	1.2	6.4	-	-	-	-	-	-	8.5
	F	9	-	6	4.0	-	8.7	-	-	-	-	-	-	-
Ischaemic heart disease	M	397	-	127	222.6	-	211.1	-	-	-	-	-	-	-
	F	333	-	55	121.7	-	81.0	-	-	-	-	-	-	-
Pulmonary embolism and other venous	M	10	-	4	5.8	-	7.1	-	-	-	-	-	-	-
	F	14	-	5	5.7	-	5.9	-	-	-	-	-	-	-
Cerebrovascular disease	M	136	1	26	75.5	1.0	44.3	-	-	-	-	-	7.2	-
	F	183	-	24	65.0	-	34.7	-	-	-	-	-	-	-
Other vascular disease	M	132	-	26	76.0	-	44.3	-	-	-	-	-	-	-
	F	161	-	11	55.6	-	15.6	-	-	-	-	-	-	-
Chronic obstructive pulmonary disease	M	73	1	16	40.9	1.0	24.6	-	-	-	-	-	7.2	-
	F	23	1	6	8.9	1.1	8.6	-	-	-	-	-	7.7	-
Other respiratory disease	M	106	-	14	61.1	-	21.6	-	-	-	-	-	-	-
	F	89	-	6	30.2	-	7.7	-	-	-	-	-	-	-
Peptic ulcer	M	11	-	3	6.4	-	4.4	-	-	-	-	-	-	-
	F	11	-	1	3.9	-	1.3	-	-	-	-	-	-	-
Liver cirrhosis	M	11	-	7	5.9	-	9.0	-	-	-	-	-	-	-
	F	3	-	1	1.1	-	0.9	-	-	-	-	-	-	-
Renal disease	M	32	1	7	18.5	1.2	11.5	-	-	-	-	-	-	8.5
	F	22	-	3	8.0	-	4.4	-	-	-	-	-	-	-
Pregnancy, birth	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital and perinatal causes	M	13	13	-	8.4	15.2	-	99.2	-	-	-	-	7.2	-
	F	13	11	1	8.7	13.8	1.3	96.5	-	-	-	-	-	-
Ill-defined causes	M	14	-	1	8.1	-	1.0	-	-	-	-	-	-	-
	F	9	1	1	3.6	1.3	1.5	8.8	-	-	-	-	-	-
Other medical causes	M	95	6	25	52.6	6.3	41.2	16.5	7.4	-	-	13.2	7.2	-
	F	140	7	24	52.6	8.3	31.1	17.5	7.9	7.2	-	-	7.7	17.9
ALL NON-MEDICAL CAUSES	M	70	22	31	35.8	21.9	35.6	-	-	13.7	40.0	52.6	21.7	25.4
	F	35	6	7	14.3	6.2	8.0	-	-	-	21.0	7.0	15.4	-
Motor vehicle traffic accidents	M	13	9	2	6.4	8.9	2.0	-	-	6.8	20.0	19.7	7.2	8.5
	F	4	2	-	1.6	2.0	-	-	-	-	14.0	-	-	-
Fire	M	1	-	-	0.5	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Suicide	M	17	3	11	8.7	3.4	11.2	-	-	-	6.7	-	-	16.9
	F	6	2	4	3.1	2.2	4.3	-	-	-	-	-	15.4	-
Homicide	M	2	-	1	0.9	-	0.9	-	-	-	-	-	-	-
	F	2	-	2	1.0	-	2.5	-	-	-	-	-	-	-
POPULATION:				M=male										
(1000s; UN, 2002 revision)				F=female										
					192.8	96.0	83.9	12.1	13.5	14.6	15.0	15.2	13.8	11.8
					196.4	90.6	86.4	11.4	12.7	13.8	14.3	14.2	13.0	11.2

2000: MALTA

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK		9th ICD/10th ICD categories
88.2	106.7	246.5	388.2	695.2	1178.6	2571.4	4581.8	6238.1	14875.0	M	ALL CAUSES 001-999/A00-Y89
61.5	67.6	171.4	335.5	405.4	726.3	1261.4	2424.7	4355.9	10903.2	F	
-	-	-	-	-	-	-	-	23.8	-	M	Tuberculosis 010-018, 137/A15-A19, B90
-	-	7.0	-	-	-	11.4	-	-	16.1	F	
-	-	-	-	-	-	-	-	-	-	M	HIV 279.5, 279.6/B20-B24
-	-	-	6.6	-	11.9	14.3	-	-	156.3	F	
-	-	-	-	-	-	11.4	27.4	16.9	64.5	M	Other infective and parasitic Rest of 001-139/rest of A00-B99 excl A33,A34
7.4	40.0	91.5	111.8	323.8	535.7	757.1	1272.7	1142.9	2281.3	M	ALL CANCER 140-208/C00-C97
30.8	40.5	85.7	217.1	198.2	347.4	522.7	753.4	1050.8	1177.4	F	
7.4	-	7.0	6.6	-	11.9	-	18.2	23.8	31.3	M	Mouth and pharynx cancer 140-149/C00-C14
-	-	-	6.6	-	-	11.4	-	50.8	-	F	
-	-	-	-	19.0	-	-	36.4	-	-	M	Oesophagus cancer 150/C15
-	-	-	-	-	-	-	-	16.9	-	F	
-	-	-	13.2	19.0	35.7	71.4	54.5	47.6	187.5	M	Stomach cancer 151/C16
-	-	-	-	18.0	10.5	22.7	54.8	50.8	48.4	F	
-	6.7	-	-	66.7	83.3	114.3	145.5	47.6	187.5	M	Colorectal cancer 153, 154/C18-C21
-	-	14.3	32.9	45.0	21.1	11.4	82.2	186.4	225.8	F	
-	-	-	6.6	-	-	14.3	-	23.8	-	M	Liver cancer 155.0/C22 excl C221
-	-	-	-	-	10.5	-	-	-	32.3	F	
-	6.7	-	6.6	19.0	35.7	42.9	109.1	47.6	-	M	Pancreas cancer 157/C25
-	-	-	19.7	9.0	21.1	68.2	82.2	33.9	80.6	F	
-	-	-	-	-	-	-	36.4	23.8	-	M	Larynx cancer 161/C32
-	-	-	-	-	-	-	-	-	-	F	
7.7	13.3	35.2	19.7	66.7	202.4	214.3	272.7	238.1	625.0	M	Lung cancer 162/C33, C34
-	-	14.3	19.7	9.0	21.1	34.1	95.9	67.8	64.5	F	
-	-	7.0	-	-	-	14.3	18.2	-	-	M	Malignant melanoma 172/C43
-	-	-	6.6	9.0	-	-	-	-	-	F	
23.1	27.0	28.6	85.5	81.1	105.3	147.7	232.9	220.3	225.8	F	Female breast cancer 174/C50
-	-	7.1	-	-	10.5	11.4	13.7	16.9	-	F	Cervix cancer 180/C53
-	6.8	-	-	-	10.5	11.4	27.4	33.9	-	F	Other uterine cancer 179, 182/C54, C55
-	-	14.3	-	9.0	42.1	34.1	68.5	33.9	32.3	F	Ovarian cancer 183/C56, C570-C574
-	-	-	6.6	-	23.8	14.3	163.6	238.1	468.8	M	Prostate cancer 185/C61
-	-	-	6.6	9.5	23.8	57.1	54.5	95.2	156.3	M	Bladder cancer 188/C67
-	-	-	-	-	-	11.4	-	16.9	16.1	F	
-	6.7	28.2	32.9	85.7	71.4	200.0	200.0	238.1	437.5	M	Other and ill-defined cancer sites Rest of 140-199/ rest of C00-C80, C97
-	6.8	7.1	39.5	18.0	63.2	113.6	82.2	186.4	290.3	F	
-	-	-	-	-	-	-	18.2	-	-	M	Hodgkin's disease 201/C81
-	-	-	-	-	-	-	-	-	-	F	
-	-	7.0	13.2	38.1	35.7	14.3	54.5	71.4	93.8	M	Myeloma and non-Hodgkin lymphomas 200, 202-203/C82-C90, C96
-	-	-	6.6	-	10.5	-	13.7	84.7	129.0	F	
-	6.7	7.0	-	-	11.9	-	90.9	47.6	93.8	M	Leukaemia 204-208/C91-C95
-	-	-	-	-	21.1	45.5	-	50.8	32.3	F	
-	-	7.0	-	9.5	11.9	85.7	72.7	238.1	218.8	M	Diabetes 250/E10-E14
-	-	-	6.6	9.0	21.1	34.1	82.2	169.5	435.5	F	
29.4	26.7	63.4	144.7	200.0	440.5	1314.3	2090.9	3214.3	7625.0	M	ALL VASCULAR DISEASE 390-459/I00-199
15.4	20.3	35.7	39.5	135.1	252.6	534.1	1123.3	2271.2	6193.5	F	
-	-	-	-	-	11.9	14.3	-	-	-	M	Rheumatic heart disease and fever 390-398/I00-109
-	-	-	-	-	-	11.4	13.7	-	-	F	
-	-	7.0	-	9.5	-	28.6	18.2	-	62.5	M	Hypertensive disease 401-405/I10-I15
-	-	7.1	-	9.0	10.5	34.1	13.7	16.9	16.1	F	
14.7	13.3	35.2	105.3	161.9	333.3	814.3	1236.4	1833.3	3906.3	M	Ischaemic heart disease 410-414/I20-I25
-	13.5	7.1	13.2	90.1	147.4	295.5	602.7	1203.4	2629.0	F	
-	-	-	6.6	-	-	42.9	-	23.8	156.3	M	Pulmonary embolism and other venous 415.1, 451-453/I26, I80-182
-	6.8	14.3	-	9.0	-	11.4	41.1	33.9	64.5	F	
7.4	-	14.1	19.7	19.0	35.7	214.3	490.9	857.1	1437.5	M	Cerebrovascular disease 430-438/I60-169
7.7	-	7.1	19.7	9.0	63.2	136.4	246.6	610.2	1693.5	F	
7.4	13.3	7.0	13.2	9.5	59.5	200.0	345.5	500.0	2062.5	M	Other vascular disease Rest of 390-459/ rest of I00-199
7.7	-	-	6.6	18.0	31.6	45.5	205.5	406.8	1790.3	F	
-	-	7.0	19.7	28.6	59.5	57.1	345.5	309.5	750.0	M	Chronic obstructive pulmonary disease 490-496/J40-J47, J67
-	-	-	6.6	9.0	10.5	34.1	41.1	16.9	193.5	F	
-	6.7	14.1	6.6	28.6	23.8	71.4	381.8	381.0	1718.8	M	Other respiratory disease Rest of 460-519/ rest of J00-J98
-	-	14.3	6.6	-	10.5	22.7	54.8	186.4	1096.8	F	
-	6.7	-	-	-	23.8	-	18.2	23.8	187.5	M	Peptic ulcer 531-533/K25-K27
-	-	-	-	9.0	-	-	13.7	50.8	96.8	F	
-	6.7	7.0	6.6	28.6	-	14.3	36.4	23.8	31.3	M	Liver cirrhosis 571/K70, K74
-	-	-	6.6	-	-	-	-	-	32.3	F	
-	-	7.0	6.6	9.5	-	57.1	72.7	95.2	500.0	M	Renal disease 580-590/N00-N19
-	-	-	-	9.0	10.5	11.4	41.1	118.6	145.2	F	
-	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth 630-676/A34, O00-O99
-	-	-	-	-	-	-	-	-	-	M	Congenital and perinatal causes 740-779/A33, P00-P96, Q00-Q99
-	6.7	-	-	9.0	-	-	13.7	-	-	F	
-	-	-	-	-	10.5	-	36.4	47.6	281.3	M	Ill-defined causes 780-799/R00-R99
-	-	-	-	-	-	-	13.7	16.9	80.6	F	
-	-	7.0	26.3	47.6	35.7	171.4	181.8	595.2	906.3	M	Other medical causes Rest of 001-799/ rest of A00-R99
-	6.8	21.4	39.5	18.0	52.6	79.5	178.1	389.8	1177.4	F	
51.5	13.3	35.2	65.8	19.0	35.7	28.6	72.7	142.9	218.8	M	ALL NON-MEDICAL CAUSES E800-E999/V01-Y89
15.4	-	14.3	6.6	9.0	10.5	-	82.2	67.8	193.5	F	
7.4	-	-	6.6	-	-	-	18.2	23.8	-	M	Motor vehicle traffic accidents E810-E819/ part of V01-V99
-	-	-	-	-	-	-	-	-	32.3	F	
-	-	-	-	-	-	-	18.2	-	-	M	Fire E890-E899/X00-X09
-	-	-	-	-	-	-	-	-	-	F	
22.1	-	7.0	39.5	9.5	-	-	18.2	23.8	31.3	M	Suicide E950-E959/X60-X84
7.7	-	7.1	6.6	9.0	-	-	-	-	-	F	
-	-	-	6.6	-	-	-	-	23.8	-	M	Homicide E960-E969/ X85-X99, Y00-Y09
-	-	7.1	-	-	10.5	-	-	-	-	F	
13.6	15.0	14.2	15.2	10.5	8.4	7.0	5.5	4.2	3.2	M	POPULATION (1000s; UN, 2002 revision)
13.0	14.8	14.0	15.2	11.1	9.5	8.8	7.3	5.9	6.2	F	

MALTA: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	86	9	0	0	9	0	1	6	1	40	29
35-69	Sm.	141	77	52	11	14	10	2	38	-	14	-
	Total	442 (32%)	183 (42%)	57 (91%)	17 (65%)	109 (13%)	13 (77%)	10 (20%)	152 (25%)	8	51 (27%)	25
70+	Sm.	171	69	44	7	18	46	6	38	-	12	-
	Total	839 (20%)	215 (32%)	50 (88%)	13 (54%)	152 (12%)	63 (73%)	55 (11%)	368 (10%)	2	121 (10%)	15
Any age	Sm.	312	146	96	18	32	56	8	76	-	26	-
	Total	1367 (23%)	407 (36%)	107 (90%)	30 (60%)	270 (12%)	76 (74%)	66 (12%)	526 (14%)	11	212 (12%)	69
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	49	0	0	0	0	1	0	3	0	23	22
35-69	Sm.	117	58	44	2	12	12	3	35	-	9	-
	Total	474 (25%)	169 (34%)	49 (90%)	6 (33%)	114 (11%)	16 (75%)	14 (21%)	189 (19%)	7	48 (19%)	31
70+	Sm.	127	49	37	3	9	32	7	31	-	8	-
	Total	990 (13%)	191 (26%)	45 (82%)	8 (38%)	138 (7%)	56 (57%)	92 (8%)	494 (6%)	4	136 (6%)	17
Any age	Sm.	244	107	81	5	21	44	10	66	-	17	-
	Total	1513 (16%)	360 (30%)	94 (86%)	14 (36%)	252 (8%)	73 (60%)	106 (9%)	686 (10%)	11	207 (8%)	70

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)														
1995		187.0	97.0	78.1	15.0	14.3	15.3	10.7	8.8	7.6	6.4	5.5	3.4	3.0
2000		192.8	96.0	83.9	13.6	15.0	14.2	15.2	10.5	8.4	7.0	5.5	4.2	3.2
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		1367	86	442	18	19	42	42	72	96	153	206	187	446
2000		1513	49	474	12	16	35	59	73	99	180	252	262	476
Lung cancer														
1995		107	-	57	1	2	4	7	9	12	22	11	18	21
2000		94	-	49	-	2	5	3	7	17	15	15	10	20
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
1995		839.1*	91.2*	770.3*	120.0	132.9	274.5	392.5	818.2	1263.2	2390.6	3745.5	5500.0	14866.7
2000		848.3*	52.4*	753.5*	88.2	106.7	246.5	388.2	695.2	1178.6	2571.4	4581.8	6238.1	14875.0
All cancer														
1995		248.5*	9.5*	314.9*	53.3	49.0	137.3	140.2	352.3	565.8	906.3	1072.7	1735.3	3233.3
2000		200.7*	-	266.8*	7.4	40.0	91.5	111.8	323.8	535.7	757.1	1272.7	1142.9	2281.3
Lung cancer														
1995		66.2*	-	102.3*	6.7	14.0	26.1	65.4	102.3	157.9	343.8	200.0	529.4	700.0
2000		52.9*	-	78.8*	-	13.3	35.2	19.7	66.7	202.4	214.3	272.7	238.1	625.0
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		18.2*	-	29.5*	-	14.0	13.1	9.3	34.1	26.3	109.4	72.7	117.6	166.7
2000		7.5*	-	7.4*	7.4	-	7.0	6.6	19.0	11.9	-	90.9	47.6	31.3
Other cancer														
1995		164.1*	9.5*	183.1*	46.7	21.0	98.0	65.4	215.9	381.6	453.1	800.0	1088.2	2366.7
2000		140.3*	-	180.6*	-	26.7	49.3	85.5	238.1	321.4	542.9	909.1	857.1	1625.0
Chronic obstructive pulmonary disease (COPD)														
1995		47.5*	-	25.8*	-	-	6.5	9.3	-	39.5	125.0	181.8	500.0	1200.0
2000		40.9*	1.0*	24.6*	-	-	7.0	19.7	28.6	59.5	57.1	345.5	309.5	750.0
Other respiratory disease														
1995		42.0*	1.2*	19.5*	-	-	-	-	45.5	13.2	78.1	163.6	264.7	1233.3
2000		61.1*	-	21.6*	-	6.7	14.1	6.6	28.6	23.8	71.4	381.8	381.0	1718.8
Vascular disease														
1995		325.6*	6.3*	273.8*	6.7	49.0	58.8	168.2	261.4	513.2	859.4	1781.8	2411.8	6266.7
2000		386.4*	3.4*	317.0*	29.4	26.7	63.4	144.7	200.0	440.5	1314.3	2090.9	3214.3	7625.0
Liver cirrhosis														
1995		6.6*	1.1*	13.5*	6.7	7.0	-	9.3	11.4	13.2	46.9	-	29.4	33.3
2000		5.9*	-	9.0*	-	6.7	7.0	6.6	28.6	-	14.3	36.4	23.8	31.3
Other medical causes														
1995		130.7*	42.9*	91.0*	33.3	14.0	13.1	28.0	102.3	118.4	328.1	490.9	470.6	2600.0
2000		117.4*	26.0*	79.0*	-	13.3	28.2	32.9	66.7	83.3	328.6	381.8	1023.8	2250.0
All non-medical causes														
1995		38.1*	30.3*	31.8*	20.0	14.0	58.8	37.4	45.5	-	46.9	54.5	88.2	300.0
2000		35.8*	21.9*	35.6*	51.5	13.3	35.2	65.8	19.0	35.7	28.6	72.7	142.9	218.8

1995, 2000: MALTA

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	32	6	0	0	6	1	0	1	0	23	1
35-69	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	289 (0%)	131 (0%)	2 (0%)	2 (0%)	127 (0%)	6 (0%)	6 (0%)	93 (0%)	5	38 (0%)	10
70+	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	1020 (0%)	173 (0%)	7 (0%)	4 (0%)	162 (0%)	12 (0%)	61 (0%)	541 (0%)	2	216 (0%)	15
Any age	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	1341 (0%)	310 (0%)	9 (0%)	6 (0%)	295 (0%)	19 (0%)	67 (0%)	635 (0%)	7	277 (0%)	26
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	32	3	0	0	3	1	0	0	0	22	6
35-69	Sm.	10	4	4	0	0	1	0	4	-	1	-
	Total	318 (3%)	156 (3%)	12 (33%)	2 (0%)	142 (0%)	6 (17%)	6 (0%)	102 (4%)	1	40 (3%)	7
70+	Sm.	41	11	9	1	1	6	1	17	-	6	-
	Total	1110 (4%)	190 (6%)	15 (60%)	4 (25%)	171 (1%)	16 (38%)	83 (1%)	600 (3%)	2	197 (3%)	22
Any age	Sm.	51	15	13	1	1	7	1	21	-	7	-
	Total	1460 (3%)	349 (4%)	27 (48%)	6 (17%)	316 (0%)	23 (30%)	89 (1%)	702 (3%)	3	259 (3%)	35

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		190.7	91.7	82.2	14.7	14.0	15.3	11.2	9.7	9.3	8.0	6.9	4.5	5.4
2000		196.4	90.6	86.4	13.0	14.8	14.0	15.2	11.1	9.5	8.8	7.3	5.9	6.2
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		1341	32	289	3	12	24	29	43	66	112	176	216	628
2000		1460	32	318	8	10	24	51	45	69	111	177	257	676
Lung cancer														
1995		9	-	2	-	-	-	-	-	-	2	2	3	2
2000		27	-	12	1	-	2	3	1	2	3	7	4	4
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
1995		578.6*	36.0*	439.3*	20.4	85.7	156.9	258.9	443.3	709.7	1400.0	2550.7	4800.0	11629.6
2000		553.3*	37.9*	432.7*	61.5	67.6	171.4	335.5	405.4	726.3	1261.4	2424.7	4355.9	10903.2
All cancer														
1995		145.0*	6.7*	191.6*	-	35.7	104.6	187.5	195.9	354.8	462.5	681.2	1088.9	1425.9
2000		145.3*	3.7*	206.1*	30.8	40.5	85.7	217.1	198.2	347.4	522.7	753.4	1050.8	1177.4
Lung cancer														
1995		3.9*	-	3.6*	-	-	-	-	-	-	25.0	29.0	66.7	37.0
2000		11.4*	-	15.1*	7.7	-	14.3	19.7	9.0	21.1	34.1	95.9	67.8	64.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		2.7*	-	2.6*	-	7.1	-	-	-	10.8	-	-	44.4	37.0
2000		2.3*	-	2.6*	-	-	-	6.6	-	-	11.4	-	67.8	-
Other cancer														
1995		138.4*	6.7*	185.4*	-	28.6	104.6	187.5	195.9	344.1	437.5	652.2	977.8	1351.9
2000		131.7*	3.7*	188.4*	23.1	40.5	71.4	190.8	189.2	326.3	477.3	657.5	915.3	1112.9
Chronic obstructive pulmonary disease (COPD)														
1995		8.8*	1.1*	8.3*	-	-	6.5	17.9	10.3	10.8	12.5	29.0	88.9	111.1
2000		8.9*	1.1*	8.6*	-	-	-	6.6	9.0	10.5	34.1	41.1	16.9	193.5
Other respiratory disease														
1995		26.6*	-	10.0*	-	-	-	8.9	-	10.8	50.0	14.5	222.2	925.9
2000		30.2*	-	7.7*	-	-	14.3	6.6	-	10.5	22.7	54.8	186.4	1096.8
Vascular disease														
1995		264.6*	1.1*	152.4*	-	7.1	13.1	26.8	154.6	215.1	650.0	1391.3	2444.4	6203.7
2000		252.9*	-	147.5*	15.4	20.3	35.7	39.5	135.1	252.6	534.1	1123.3	2271.2	6193.5
Liver cirrhosis														
1995		3.3*	-	6.8*	-	7.1	6.5	-	-	21.5	12.5	-	22.2	18.5
2000		1.1*	-	0.9*	-	-	-	6.6	-	-	-	-	-	32.3
Other medical causes														
1995		118.7*	25.8*	59.3*	6.8	-	19.6	17.9	61.9	96.8	212.5	420.3	844.4	2759.3
2000		100.6*	26.9*	53.9*	-	6.8	21.4	52.6	54.1	94.7	147.7	369.9	762.7	2016.1
All non-medical causes														
1995		11.7*	1.3*	10.9*	13.6	35.7	6.5	-	20.6	-	-	14.5	88.9	185.2
2000		14.3*	6.2*	8.0*	15.4	-	14.3	6.6	9.0	10.5	-	82.2	67.8	193.5

MALTA: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 49	– / 32	–
35–69	117 / 474	10 / 318	20 years
70+	127 / 990	41 / 1110	8 years
All ages	244 / 1513	51 / 1460	14 years

Deaths, by cause, attributed to SMOKING / total deaths in the year 2000

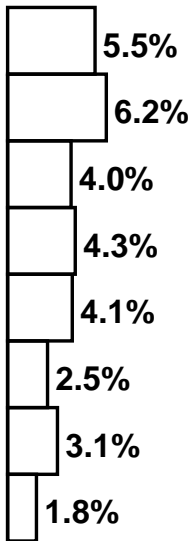
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 0	44/49	37/45	81/94	– / 0	4/12	9/15	13/27
All Cancer	– / 0	58/169 (34%)	49/191 (26%)	107/360	– / 3	4/156 (3%)	11/190 (6%)	15/349
Vascular	– / 3	35/189	31/494	66/686	– / 0	4/102	17/600	21/702
Respiratory	– / 1	15/30	39/148	54/179	– / 1	1/12	7/99	8/112
All Other	– /45	9/86	8/157	17/288	– /28	1/48	6/221	7/297
All Causes	– /49	117/474 (25%)	127/990 (13%)	244/1513	– /32	10/318 (3%)	41/1110 (4%)	51/1460

Cancer deaths, and all deaths, attributed to SMOKING / total deaths in the year 2000

Cause	Male	Female	Male + Female
All Cancer	107 / 360 (30%)	15 / 349 (4%)	122 / 709 (17%)
All Causes	244 / 1513 (16%)	51 / 1460 (3%)	295 / 2973 (10%)

1965-2000: MALTA

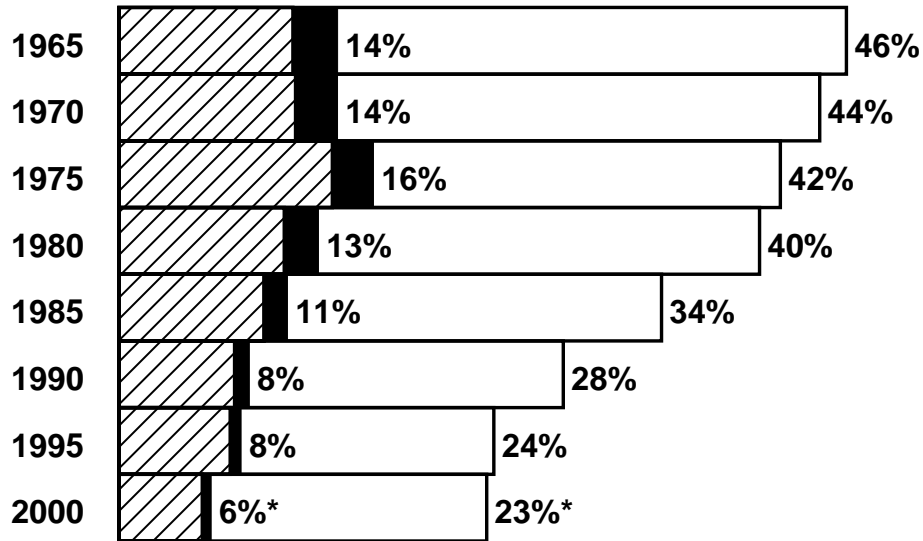
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

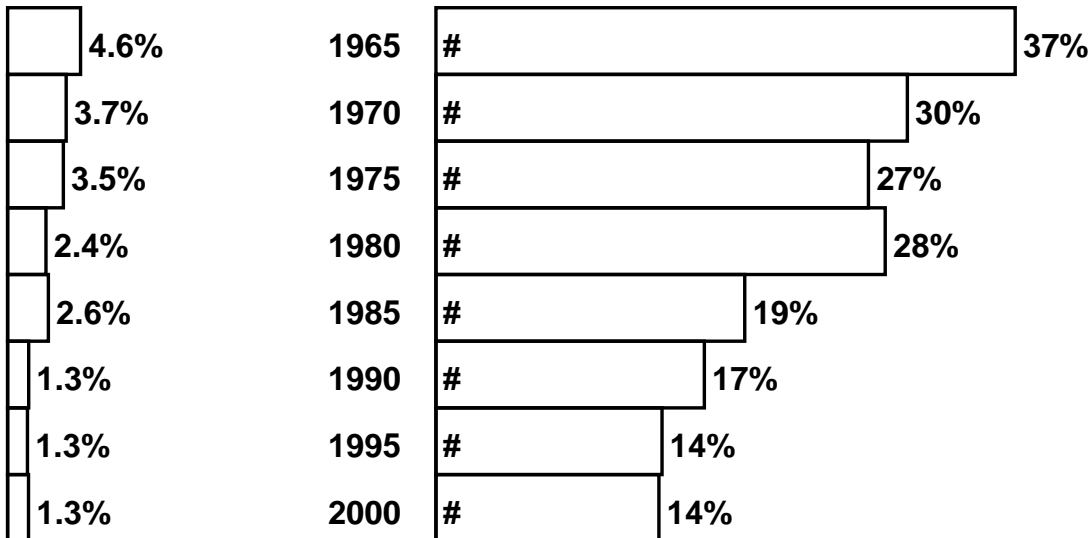
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 23 would die before age 70 (with 6 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

MALTA: 1960-2000

Numbers of deaths attributed to smoking / total deaths

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	-/173	205/657 (31%)	70/739 (9%)	275/1569	-/134	4/469	0/829	4/1432
1970	-/156	218/688 (32%)	65/775 (8%)	283/1619	-/89	0/467	0/895	0/1451
1975	-/101	252/643 (39%)	68/827 (8%)	320/1571	-/90	0/424	0/924	0/1438
1980	-/123	197/625 (32%)	90/964 (9%)	287/1712	-/67	0/448	0/1074	0/1589
1985	-/117	176/562 (31%)	136/826 (16%)	312/1505	-/71	0/330	0/1009	0/1410
1990	-/71	141/484 (29%)	161/836 (19%)	302/1391	-/36	0/325	0/957	0/1318
1995	-/86	141/442 (32%)	171/839 (20%)	312/1367	-/32	0/289	0/1020	0/1341
2000	-/49	117/474 (25%)	127/990 (13%)	244/1513	-/32	10/318	41/1110	51/1460

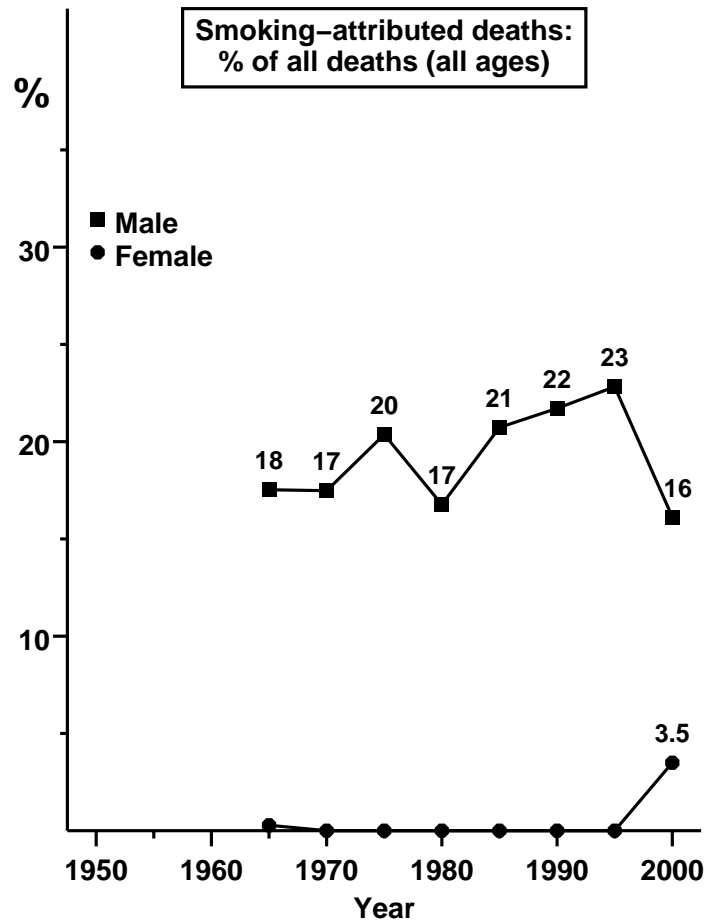
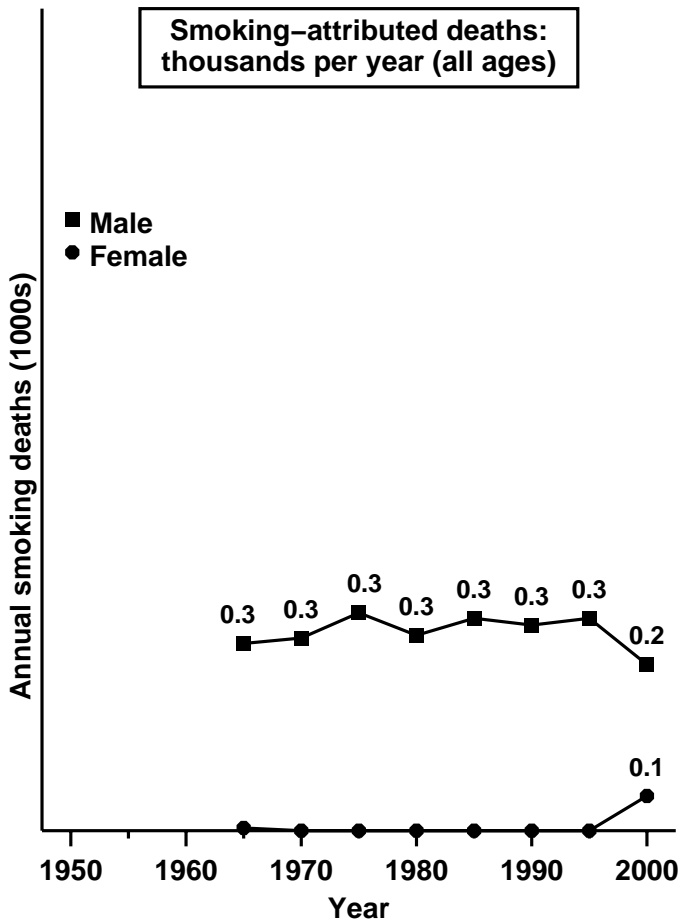
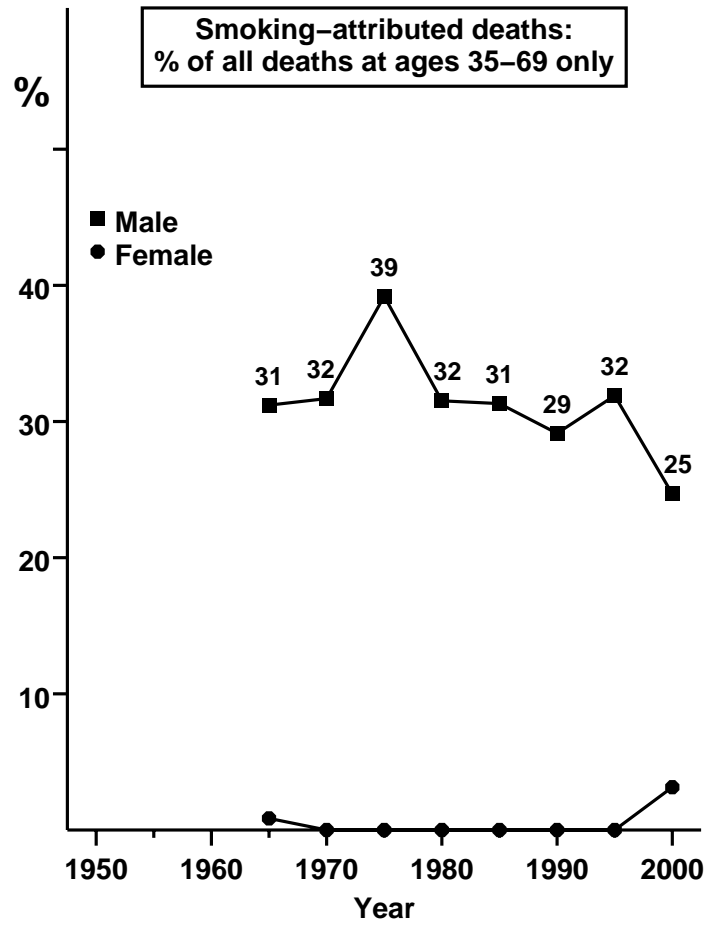
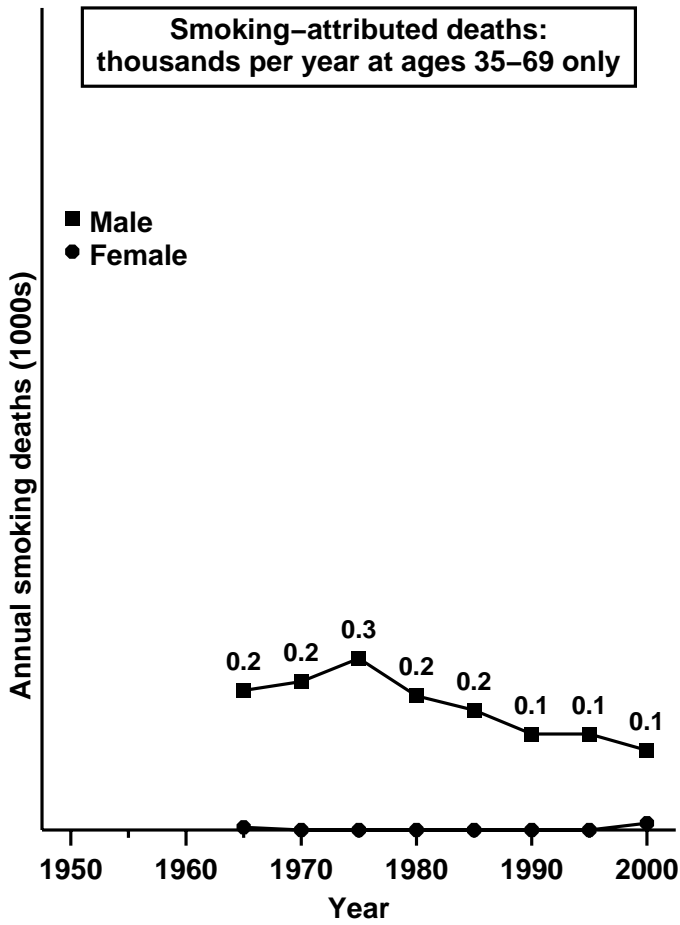
40-year total* (thousands), mid-1960 to mid-2000: 12 / 116

1960-2000 by age & sex:

-/4.8	7.7/23 (34%)	4.4/32 (14%)	12/60	-/3.3	0.0/15 (0.3%)	0.0/38 (0%)	0.0/56
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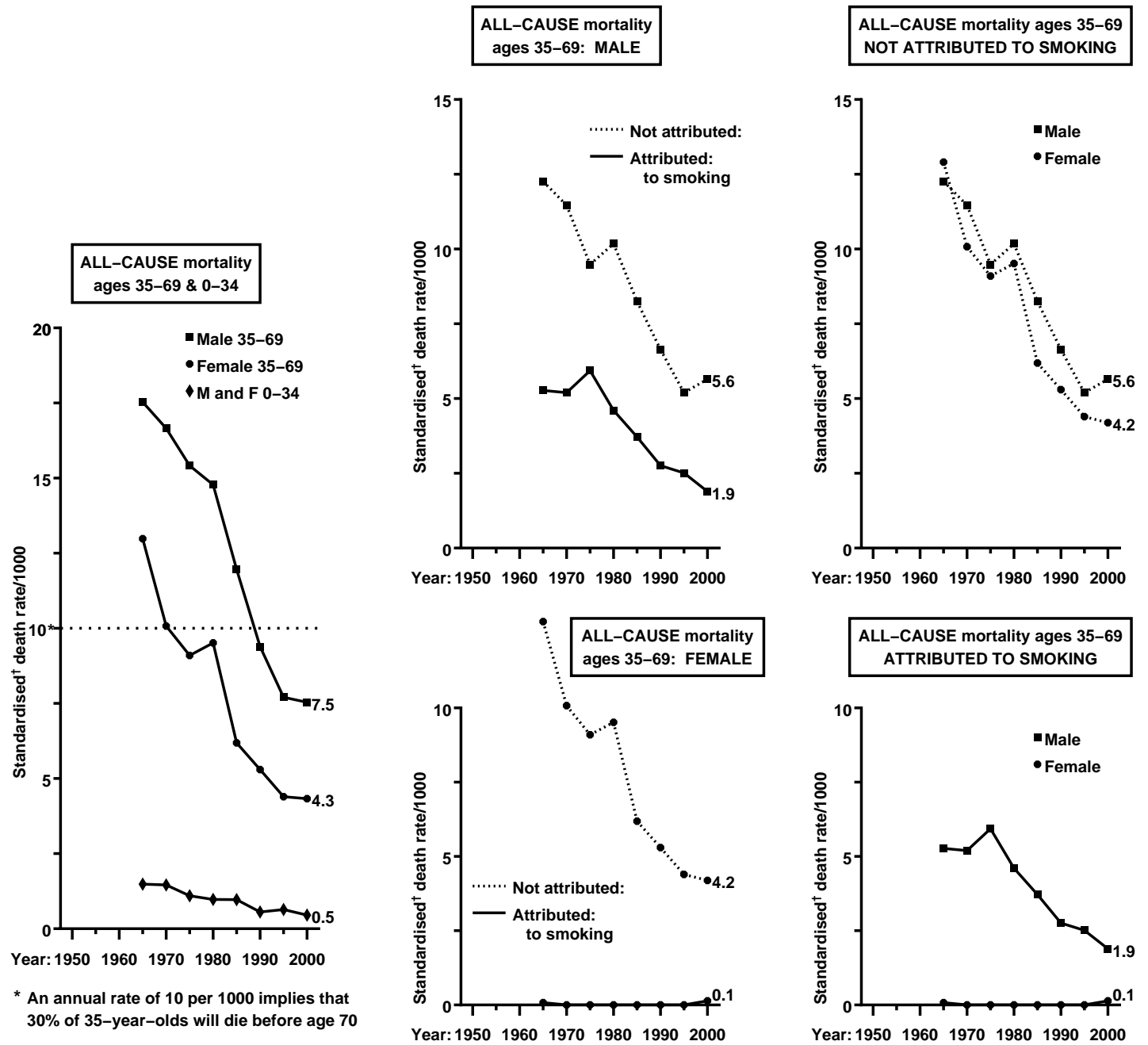
*Estimated as 10 times the sum of the annual numbers for 1965, 1975, 1985 & 1995

1965-2000: MALTA



MALTA: 1965-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



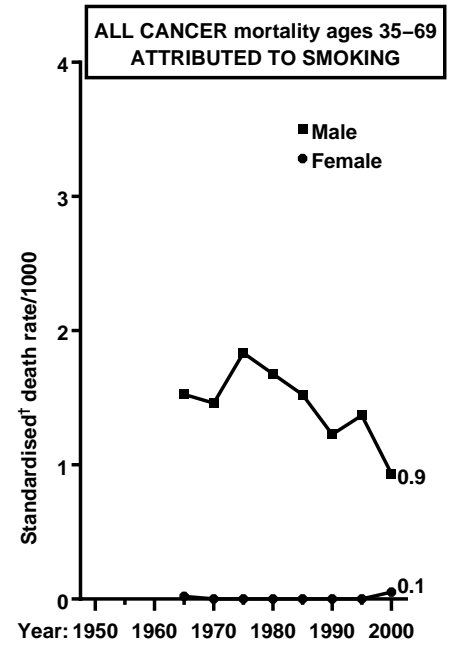
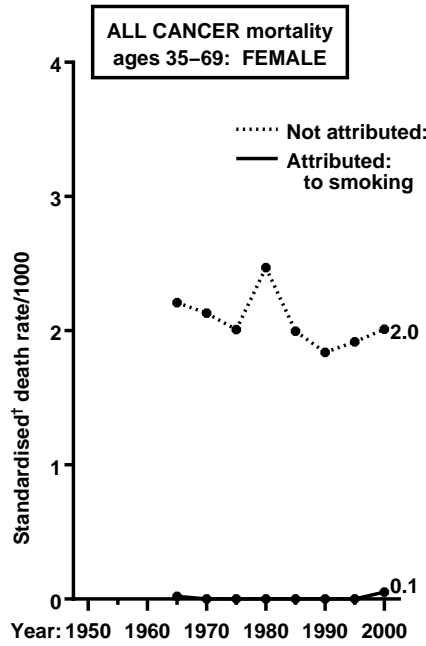
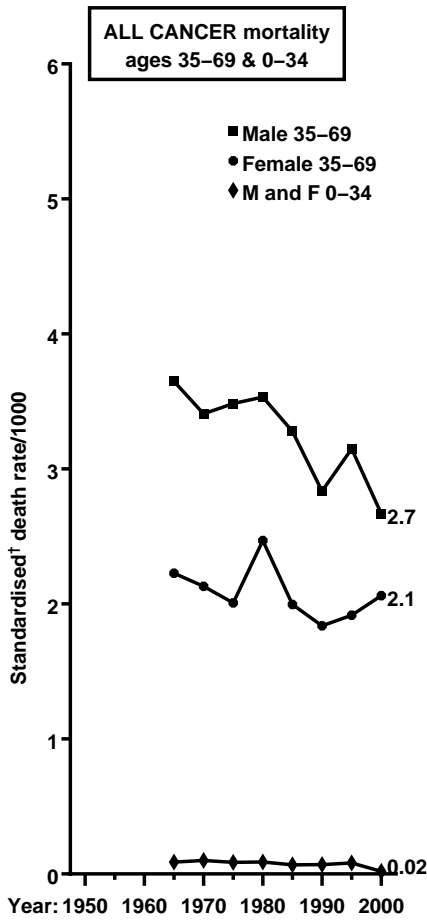
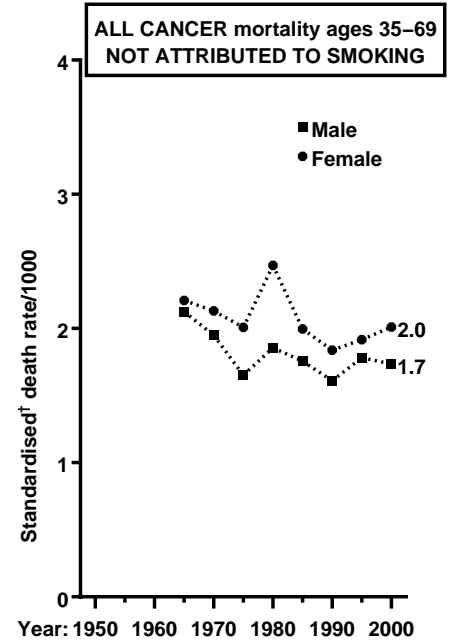
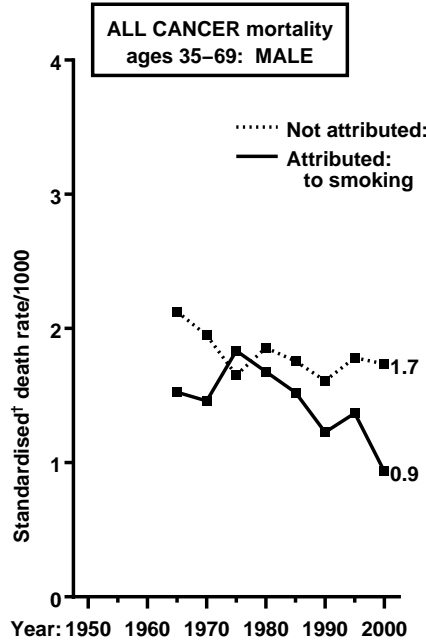
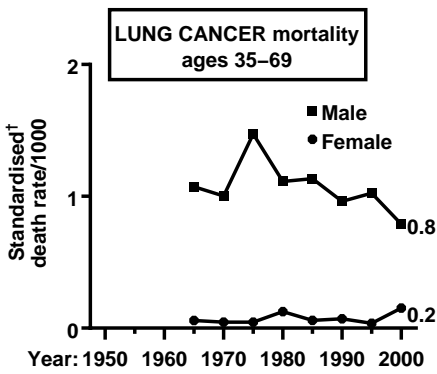
* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965	-	1.62	5.27	12.3	9.62	80.1	-	1.34	0.08	12.9	0.00	67.7	-	1.07	0.00	73.3
1970	-	1.84	5.19	11.5	8.73	79.3	-	1.07	0.00	10.1	0.00	69.0	-	1.02	0.00	69.0
1975	-	1.17	5.93	9.48	7.74	81.5	-	0.70	0.00	9.51	0.00	56.2	-	0.74	0.00	51.4
1980	-	1.25	4.60	10.2	8.48	73.6	-	0.74	0.00	6.18	0.00	51.4	-	0.38	0.00	39.2
1985	-	1.19	3.71	8.25	13.1	56.5	-	0.38	0.00	5.30	0.00	39.2	-	0.36	0.00	36.8
1990	-	0.73	2.76	6.63	12.5	53.1	-	0.36	0.00	4.39	0.00	36.8	-	0.38	0.14	32.1
1995	-	0.91	2.51	5.19	9.97	36.3	-	0.14	0.14	4.19	1.81	32.1	-	0.14	1.81	32.1
2000	-	0.52	1.89	5.65	7.85	46.2	-	0.14	0.14	4.19	1.81	32.1	-	0.14	1.81	32.1

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

Trends in ALL CANCER mortality attributed and not attributed to smoking



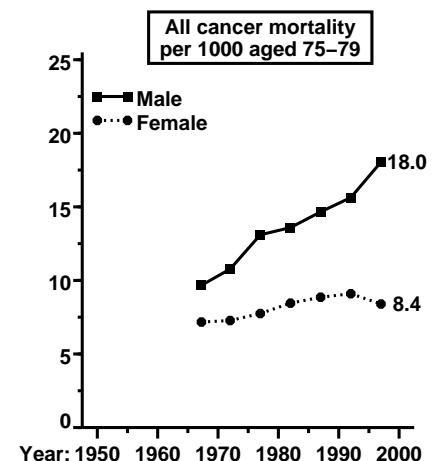
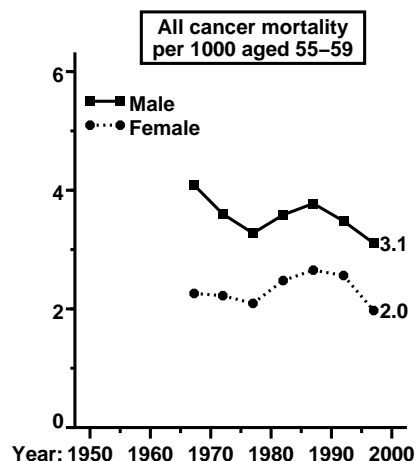
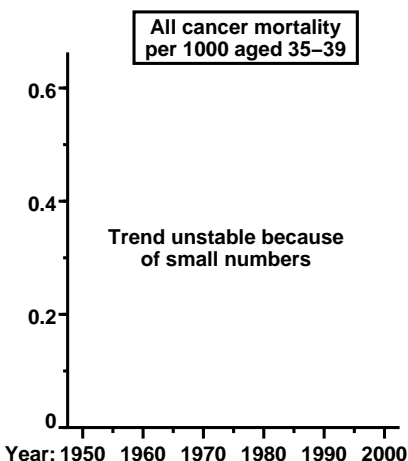
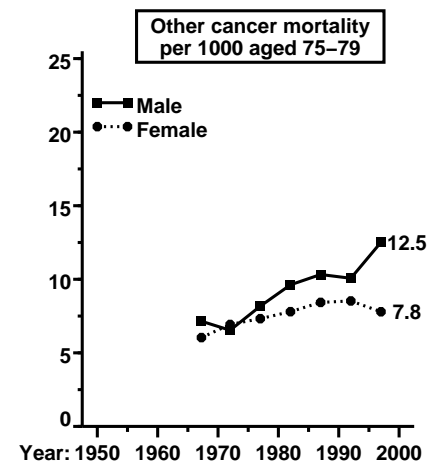
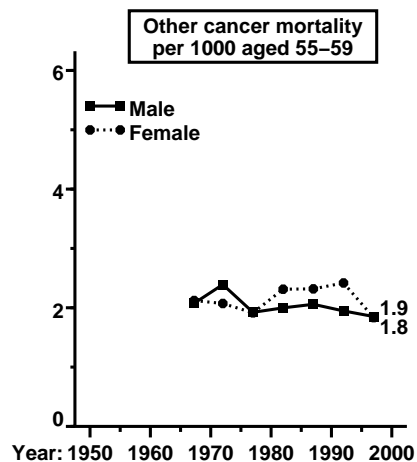
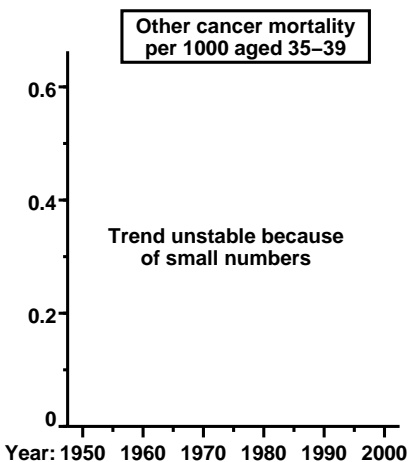
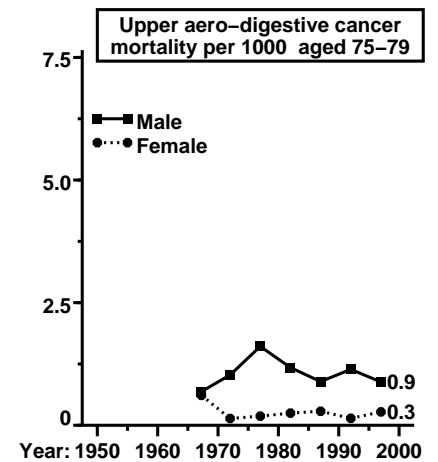
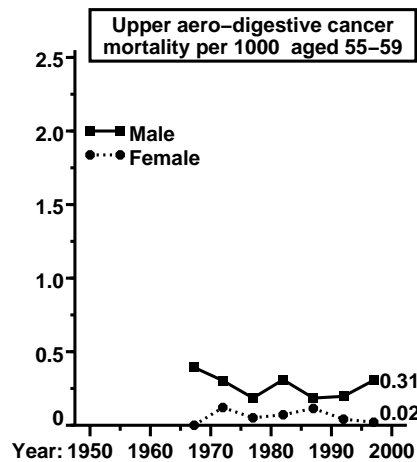
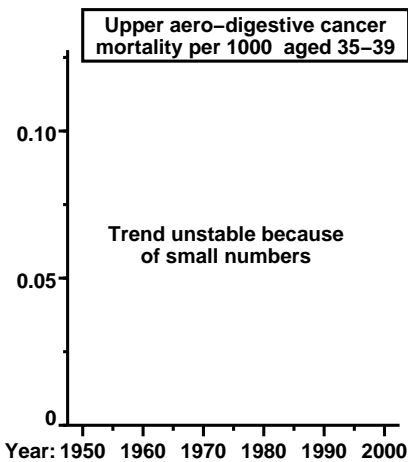
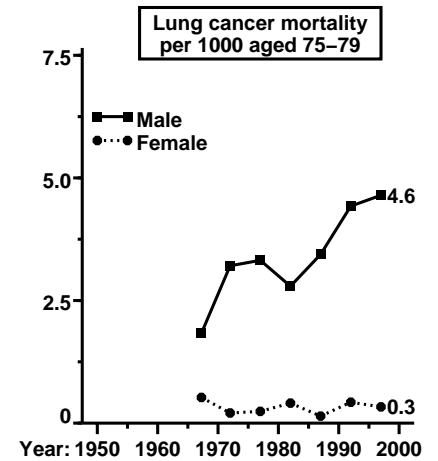
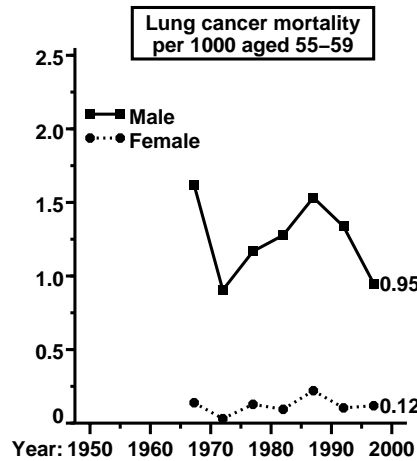
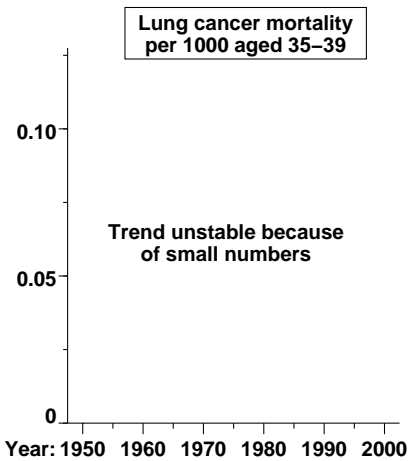
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955		
1960		
1965	-	0.06	1.52	2.12	2.86	6.90	-	0.11	0.02	2.21	0.00	6.60	0.00	6.60		
1970	-	0.15	1.46	1.95	2.07	7.39	-	0.05	0.00	2.13	0.00	7.96	0.00	7.96		
1975	-	0.10	1.83	1.65	1.71	7.85	-	0.07	0.00	2.01	0.00	5.64	0.00	5.64		
1980	-	0.11	1.68	1.85	2.94	8.67	-	0.06	0.00	2.47	0.00	7.59	0.00	7.59		
1985	-	0.06	1.52	1.76	4.74	8.61	-	0.07	0.00	2.00	0.00	8.56	0.00	8.56		
1990	-	0.06	1.23	1.61	4.85	10.3	-	0.07	0.00	1.84	0.00	6.65	0.00	6.65		
1995	-	0.09	1.37	1.78	4.66	9.39	-	0.07	0.00	1.92	0.00	8.85	0.00	8.85		
2000	-	0.00	0.93	1.73	3.04	9.04	-	0.04	0.05	2.01	0.67	8.36	0.67	8.36		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

MALTA: 1965-2000

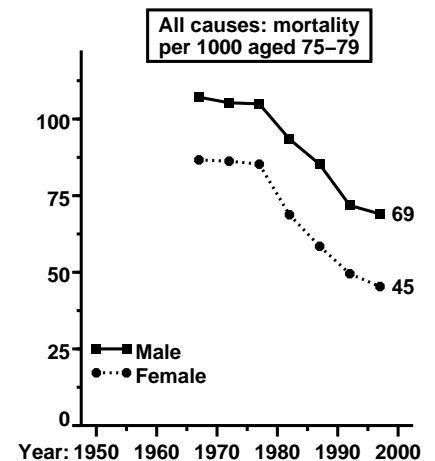
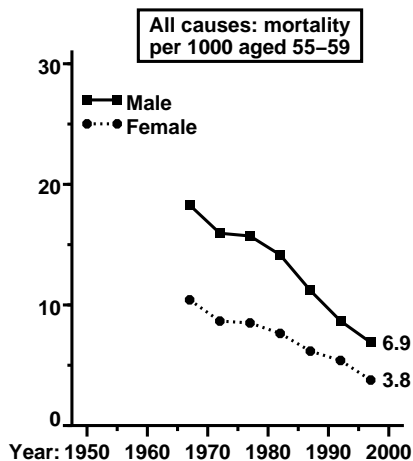
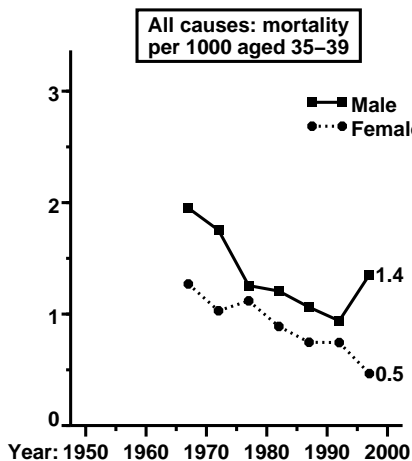
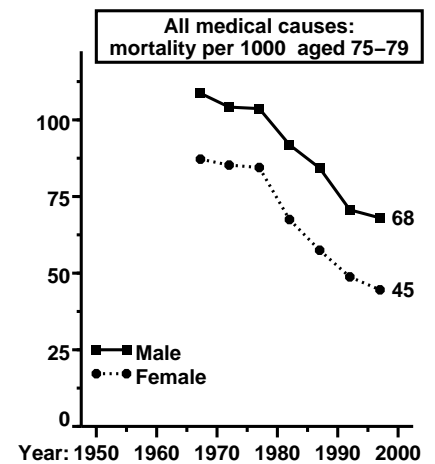
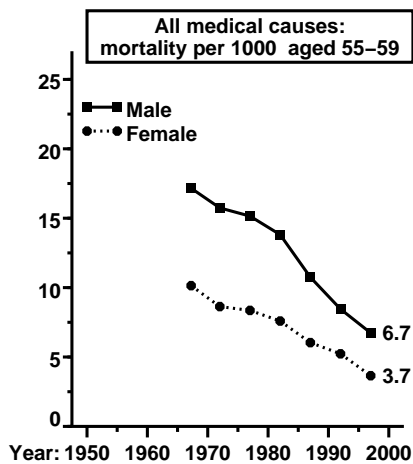
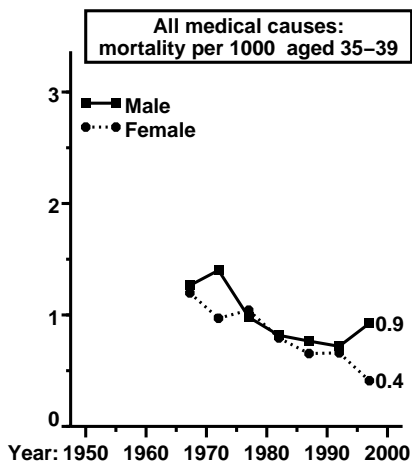
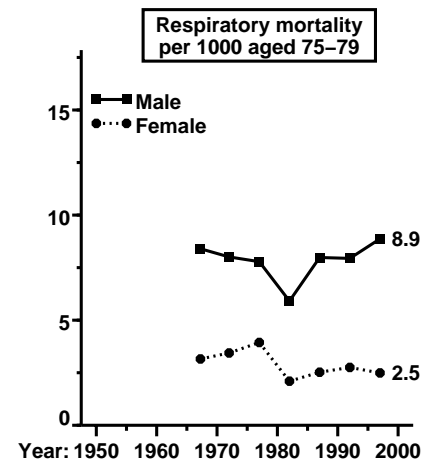
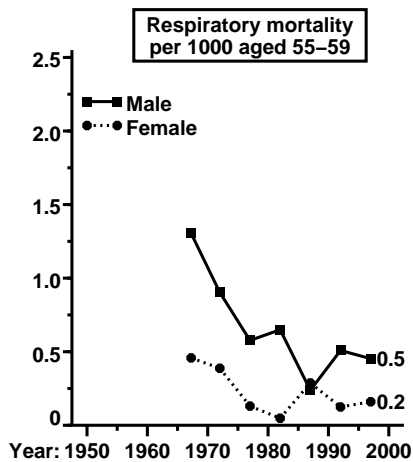
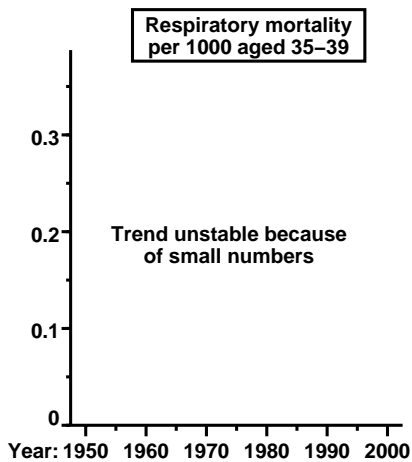
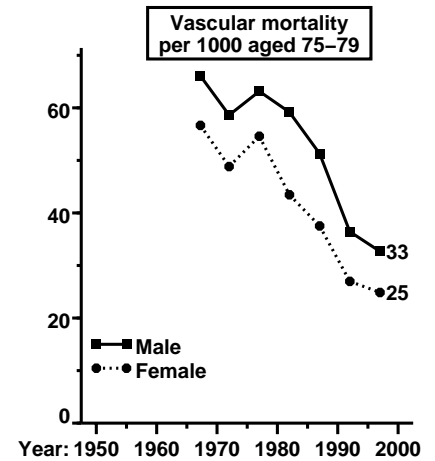
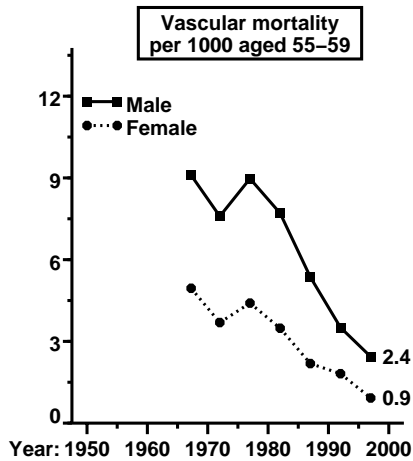
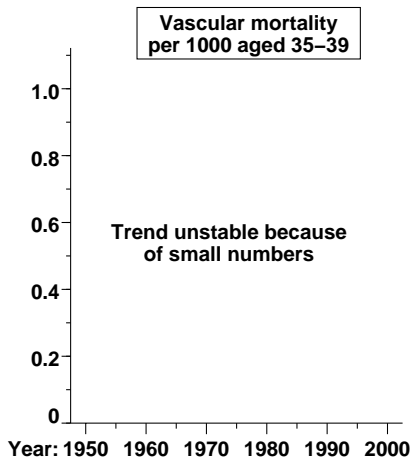
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1965–69,.....,1995–99; year 2000 on pages 314–315

1965-2000: MALTA

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1965-69,.....,1995-99; year 2000 on pages 314-315

MOLDOVA, Republic of: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	21162	1755	11211	1523.1	166.5	1849.3	396.3	49.9	46.8	85.3	141.2	186.3	260.0
	F	20062	849	7370	957.9	85.2	992.4	287.5	31.2	21.8	40.0	47.4	72.7	95.7
Tuberculosis	M	528	108	410	28.1	10.4	50.4	0.8	-	-	2.0	7.8	23.9	38.5
	F	88	21	54	3.9	1.9	5.6	-	-	-	0.5	4.0	3.8	5.2
HIV	M	7	5	2	0.3	0.4	0.2	-	-	-	1.0	1.1	-	0.7
	F	4	3	1	0.2	0.3	0.1	-	-	-	-	0.6	0.6	0.7
Other infective and parasitic	M	61	38	19	3.4	3.8	2.4	20.3	0.6	1.9	1.0	1.1	1.3	0.7
	F	46	29	14	2.6	3.2	1.8	18.9	-	-	1.0	1.1	0.6	0.7
ALL CANCER	M	2533	85	1887	166.2	7.7	321.4	7.8	4.3	4.8	5.4	5.0	8.4	18.5
	F	2014	92	1372	94.0	8.8	174.2	4.9	5.1	2.0	3.0	4.5	15.9	25.8
Mouth and pharynx cancer	M	192	3	164	12.4	0.3	25.6	-	-	0.5	-	-	0.6	0.7
	F	28	1	18	1.3	0.1	2.3	-	-	-	-	-	-	0.7
Oesophagus cancer	M	46	-	37	3.2	-	6.4	-	-	-	-	-	-	-
	F	15	-	10	0.7	-	1.3	-	-	-	-	-	-	-
Stomach cancer	M	336	1	254	22.4	0.1	42.7	-	-	-	-	-	-	0.7
	F	184	7	120	8.5	0.7	15.4	-	-	-	-	1.1	0.6	2.9
Colorectal cancer	M	291	6	200	19.5	0.6	36.0	-	-	-	-	0.6	0.6	3.0
	F	283	5	163	12.9	0.5	21.9	-	-	-	-	-	0.6	2.9
Liver cancer	M	150	6	111	9.8	0.6	19.8	1.6	-	-	1.0	-	-	1.5
	F	73	-	47	3.5	-	6.5	-	-	-	-	-	-	-
Pancreas cancer	M	138	1	101	8.9	0.1	16.7	-	-	-	-	-	-	0.7
	F	98	1	56	4.6	0.1	7.5	-	-	-	-	-	-	0.7
Larynx cancer	M	114	1	95	7.4	0.1	16.1	-	-	-	-	-	-	0.7
	F	6	1	4	0.3	0.1	0.6	-	-	-	-	-	-	0.7
Lung cancer	M	589	5	477	38.8	0.4	83.4	-	-	0.5	0.5	-	0.6	1.5
	F	139	2	99	6.4	0.2	13.0	-	-	-	-	-	0.6	0.7
Malignant melanoma	M	17	2	12	1.1	0.2	1.8	-	-	-	0.5	-	-	0.7
	F	17	-	13	0.8	-	1.5	-	-	-	-	-	-	-
Female breast cancer	F	389	10	309	18.6	1.0	37.0	-	-	-	-	-	2.5	4.4
Cervix cancer	F	144	6	104	6.5	0.6	12.3	-	-	-	-	0.6	0.6	2.9
Other uterine cancer	F	96	-	64	4.4	-	8.3	-	-	-	-	-	-	-
Ovarian cancer	F	95	5	70	4.5	0.4	9.0	-	-	0.5	-	0.6	1.3	0.7
Prostate cancer	M	86	-	45	6.3	-	8.9	-	-	-	-	-	-	-
Bladder cancer	M	118	1	74	8.1	0.1	13.7	-	-	-	-	-	-	0.7
	F	20	-	9	0.9	-	1.3	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	329	26	240	20.9	2.4	38.6	3.1	1.2	0.5	0.5	3.3	2.6	5.9
	F	302	27	205	14.4	2.6	25.9	4.1	1.9	-	1.0	1.1	5.7	4.4
Hodgkin's disease	M	22	4	16	1.3	0.3	2.5	-	0.6	-	1.0	-	-	0.7
	F	18	4	13	0.9	0.4	1.7	-	-	-	0.5	-	0.6	1.5
Myeloma and non- Hodgkin lymphomas	M	40	11	25	2.2	0.9	3.8	0.8	1.2	1.9	-	1.1	1.3	-
	F	45	3	31	2.1	0.3	4.1	0.8	-	-	-	0.6	0.6	-
Leukaemia	M	65	18	36	3.9	1.6	5.6	2.3	1.2	1.4	2.0	-	2.6	1.5
	F	62	20	37	2.9	1.7	4.6	-	3.2	1.5	1.5	0.6	2.5	2.9
Diabetes	M	142	12	99	9.0	1.1	16.7	0.8	0.6	-	0.5	0.6	2.6	3.0
	F	225	16	146	10.4	1.4	19.9	-	1.3	-	1.0	2.3	2.5	2.9
ALL VASCULAR DISEASE	M	10379	73	4382	831.7	6.9	806.0	4.7	-	0.5	3.9	5.5	14.2	19.3
	F	12619	35	3503	598.1	3.4	500.5	3.3	0.6	1.0	1.5	1.7	3.8	11.8
Rheumatic heart disease and fever	M	100	11	86	5.7	1.1	11.8	-	-	-	0.5	0.6	1.9	4.4
	F	130	10	106	6.3	0.9	12.6	-	0.6	0.5	1.5	-	0.6	2.9
Hypertensive disease	M	143	1	78	10.0	0.1	14.5	-	-	-	-	-	-	0.7
	F	179	1	86	8.1	0.1	11.7	-	-	-	-	-	-	0.7
Ischaemic heart disease	M	6989	28	2567	578.3	2.6	483.1	-	-	-	1.5	2.2	6.5	8.1
	F	8494	12	1824	405.1	1.2	266.7	-	-	-	-	1.1	1.9	5.2
Pulmonary embolism and other venous	M	32	1	21	2.0	0.1	3.2	-	-	-	-	-	-	0.7
	F	16	-	13	0.7	-	1.5	-	-	-	-	-	-	-
Cerebrovascular disease	M	2809	13	1450	213.7	1.2	265.2	-	-	-	0.5	1.1	4.5	2.2
	F	3613	4	1413	168.8	0.4	200.4	0.8	-	-	-	-	1.3	0.7
Other vascular disease	M	306	19	180	22.0	1.8	28.3	4.7	-	0.5	1.5	1.7	1.3	3.0
	F	187	8	61	9.0	0.8	7.6	2.5	-	0.5	-	0.6	-	2.2
Chronic obstructive pulmonary disease	M	972	5	464	74.3	0.5	88.2	-	-	-	-	-	1.3	2.2
	F	616	2	180	28.9	0.2	26.0	-	-	-	-	0.6	-	0.7
Other respiratory disease	M	629	130	417	38.5	13.4	60.1	68.6	1.2	1.9	4.4	3.9	7.1	6.7
	F	310	107	138	15.9	11.7	17.3	63.4	1.9	1.0	2.5	4.5	3.8	4.4
Peptic ulcer	M	138	5	111	8.8	0.5	15.9	-	-	-	-	-	1.3	2.2
	F	38	1	20	1.7	0.1	2.4	-	-	-	-	-	-	0.7
Liver cirrhosis	M	1395	35	1053	89.5	3.4	166.8	-	-	0.5	0.5	3.3	3.9	15.6
	F	1561	24	1048	73.2	2.2	137.2	-	-	1.5	1.0	1.7	3.2	8.1
Renal disease	M	133	10	82	8.7	0.8	12.8	-	-	0.5	1.5	1.1	1.9	0.7
	F	143	17	81	6.7	1.6	10.2	0.8	1.3	0.5	0.5	1.1	3.8	2.9
Pregnancy, birth Congenital and perinatal causes	F	10	8	2	0.4	0.7	0.2	-	-	-	1.5	0.6	1.9	0.7
	M	285	278	6	17.4	30.4	0.9	202.8	3.0	1.4	2.0	1.7	1.3	0.7
	F	188	185	3	11.8	21.1	0.2	136.7	3.2	1.5	3.5	1.7	-	0.7
Ill-defined causes	M	522	23	89	56.2	2.3	13.3	8.6	-	-	1.5	1.1	1.9	3.0
	F	874	9	37	47.2	1.0	5.0	4.9	-	-	-	0.6	0.6	0.7
Other medical causes	M	850	169	565	50.4	15.7	79.5	25.0	9.7	4.8	10.4	11.6	18.8	29.6
	F	534	85	334	25.2	7.7	40.2	11.5	4.5	5.5	7.6	6.8	8.9	8.8
ALL NON- MEDICAL CAUSES	M	2588	779	1625	140.7	69.1	214.6	56.9	30.4	30.6	51.3	97.5	98.3	118.5
	F	792	215	437	37.5	20.1	51.7	42.8	13.4	8.9	16.2	15.8	22.9	20.6
Motor vehicle traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	60	15	38	3.4	1.4	5.3	3.9	0.6	0.5	1.5	1.1	0.6	1.5
	F	33	11	9	1.7	1.2	1.2	7.4	-	0.5	-	-	0.6	-
Suicide	M	466	91	333	26.0	7.9	44.3	-	0.6	1.9	6.9	13.3	18.1	14.8
	F	78	14	54	3.7	1.2	6.7	-	-	-	2.0	2.3	2.5	1.5
Homicide	M	312	107	190	16.2	9.6	23.4	3.9	-	1.9	5.4	15.5	21.3	19.3
	F	120	32	65	5.6	2.9	7.4	3.3	1.3	1.0	2.0	3.4	4.5	5.2
POPULATION:														
(1000s; UN, 2002 revision)			M=male		2047.3	1174.7	783.3	128.2	164.3	209.3	202.7	180.6	154.6	135.0
			F=female		2235.3	1147.7	921.7	121.4	157.2	201.6	197.6	177.2	156.9	135.8

2000: Republic of MOLDOVA

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
426.1	601.8	991.2	1375.2	2196.3	2920.1	4434.4	6031.4	9588.0	18601.4	M	ALL CAUSES	001-999/A00-Y89
150.7	251.9	399.5	652.7	1121.7	1679.4	2691.1	3932.6	6907.4	14819.8	F	Tuberculosis	010-018, 137/ A15-A19, B90
46.2	48.3	73.4	51.7	46.4	58.7	27.9	14.6	3.7	13.5	M	HIV	279.5, 279.6/B20-B24
8.4	7.7	3.7	5.0	5.2	5.6	3.4	7.6	11.3	2.9	F	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
-	1.2	-	-	-	-	-	-	-	-	M		
0.6	-	-	-	-	-	-	-	-	-	F		
2.0	2.4	2.0	3.9	1.3	3.7	1.6	6.3	3.7	-	M		
0.6	1.1	0.6	1.7	2.1	2.8	3.4	1.3	1.9	2.9	F		
39.6	70.1	134.6	271.0	468.2	573.0	693.4	675.7	659.2	418.9	M	ALL CANCER	140-208/C00-C97
39.0	63.9	116.9	156.0	215.1	291.8	336.4	353.7	370.5	220.9	F		
3.3	4.8	21.1	38.0	42.4	35.0	34.4	41.8	-	33.8	M	Mouth and pharynx cancer	140-149/C00-C14
-	0.6	2.4	1.7	2.1	4.6	4.6	6.4	5.7	2.9	F	Oesophagus cancer	150/C15
-	1.2	2.0	8.8	8.0	10.0	14.8	8.4	11.2	13.5	M		
-	0.6	0.6	0.8	-	2.8	4.6	2.5	5.7	-	F		
5.9	11.5	14.3	40.0	79.6	73.7	73.8	106.7	82.4	54.1	M	Stomach cancer	151/C16
3.6	7.7	6.7	13.4	13.6	27.0	35.5	33.1	41.6	26.2	F		
1.3	4.8	14.3	22.4	49.1	58.7	101.6	104.6	97.4	60.8	M	Colorectal cancer	153, 154/C18-C21
2.4	6.1	10.4	12.6	24.1	37.2	60.6	73.8	71.8	55.2	F		
0.7	4.2	7.5	10.7	27.9	35.0	52.5	46.0	30.0	20.3	M	Liver cancer	155.0, 155.1/C22
-	-	2.4	5.9	10.5	13.9	12.6	16.5	18.9	8.7	F		
2.6	6.6	8.8	10.7	17.2	31.2	39.3	41.8	44.9	27.0	M	Pancreas cancer	157/C25
1.2	1.1	2.4	10.9	10.5	9.3	17.2	28.0	28.4	11.6	F		
1.3	3.6	8.8	13.6	26.5	22.5	36.1	20.9	30.0	-	M	Larynx cancer	161/C32
-	-	-	-	1.0	1.9	1.1	-	1.9	-	F		
5.3	13.3	24.5	71.2	122.0	177.3	170.5	129.7	146.1	40.5	M	Lung cancer	162/C33, C34
1.2	3.3	7.9	5.0	14.7	31.6	27.5	24.2	30.2	8.7	F		
0.7	0.6	1.4	2.9	2.7	2.5	1.6	-	7.5	6.8	M	Malignant melanoma	172/C43
0.6	0.6	2.4	0.8	2.1	3.7	-	2.5	1.9	2.9	F		
4.8	22.1	36.5	42.8	53.5	59.5	40.0	50.9	34.0	34.9	F	Female breast cancer	174/C50
9.6	7.7	7.3	12.6	9.4	16.7	22.9	22.9	26.5	5.8	F	Cervix cancer	180/C53
1.8	4.4	3.7	5.9	9.4	11.2	21.7	19.1	22.7	14.5	F	Other uterine cancer	179, 182/C54, C55
1.2	1.1	8.5	8.4	16.8	13.0	13.7	16.5	11.3	2.9	F	Ovarian cancer	183.0/C56
-	0.6	1.4	1.9	8.0	17.5	32.8	29.3	74.9	47.3	M	Prostate cancer	185/C61
1.3	1.2	2.7	7.8	17.2	25.0	41.0	54.4	44.9	33.8	M	Bladder cancer	188/C67
-	-	0.6	0.8	2.1	0.9	4.6	6.4	7.6	5.8	F		
13.2	10.9	23.1	32.2	49.1	61.2	80.3	73.2	67.4	67.6	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
7.8	6.6	18.3	26.8	31.5	43.7	46.9	39.4	49.1	37.8	F	Hodgkin's disease	201/C81
-	1.8	1.4	1.9	4.0	5.0	3.3	2.1	-	6.8	M		
1.2	0.6	0.6	0.8	3.1	1.9	3.4	1.3	-	-	F		
2.0	1.8	1.4	4.9	1.3	8.7	6.6	4.2	7.5	-	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.6	0.6	3.0	2.5	3.1	6.5	12.6	8.9	5.7	2.9	F	Leukaemia	204-208/C91-C95
2.0	3.0	2.0	3.9	13.3	10.0	4.9	12.6	15.0	6.8	M		
3.0	1.1	3.0	4.2	7.3	6.5	6.9	1.3	7.6	-	F		
2.6	3.6	10.2	7.8	30.5	26.2	36.1	50.2	18.7	13.5	M	Diabetes	250/E10-E14
0.6	2.8	7.3	14.3	21.0	46.5	46.9	49.6	37.8	11.6	F		
52.1	121.5	248.1	401.6	815.6	1403.2	2600.0	4010.5	7104.9	14256.8	M	ALL VASCULAR DISEASE	390-459/I00-199
22.2	57.9	102.3	228.2	483.7	889.4	1719.7	2819.3	5419.7	11622.1	F		
5.9	8.5	14.3	11.7	15.9	11.2	14.8	4.2	3.7	-	M	Rheumatic heart disease and fever	390-398/I00-109
3.6	7.2	10.4	18.5	23.1	16.7	9.2	12.7	5.7	2.9	F		
0.7	0.6	3.4	7.8	19.9	30.0	39.3	66.9	93.6	47.3	M	Hypertensive disease	401-405/I10-I15
-	1.7	5.5	8.4	8.4	27.0	30.9	38.2	83.2	52.3	F		
22.4	56.8	129.8	207.6	424.4	865.2	1675.4	2826.4	5217.2	11148.6	M	Ischaemic heart disease	410-414/I20-I25
7.8	20.4	36.5	72.1	226.7	486.1	1017.2	1876.6	3837.4	9165.7	F		
0.7	1.8	2.7	2.9	4.0	3.7	6.6	12.6	11.2	6.8	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-182
1.8	1.1	1.2	1.7	-	-	4.6	-	1.9	5.8	F		
13.2	39.3	81.6	153.0	306.4	454.4	808.2	1025.1	1670.4	2770.3	M	Cerebrovascular disease	430-438/I60-169
7.2	22.6	45.1	115.8	221.4	351.3	639.6	867.7	1415.9	2223.8	F		
9.2	14.5	16.3	18.5	45.1	38.7	55.7	75.3	108.6	283.8	M	Other vascular disease	Rest of 390-459/ rest of I00-199
1.8	5.0	3.7	11.7	4.2	8.4	18.3	24.2	75.6	171.5	F		
5.3	6.6	18.4	33.1	86.2	176.0	291.8	376.6	685.4	945.9	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.6	1.1	4.3	11.7	31.5	49.3	83.5	139.9	289.2	497.1	F		
22.4	31.4	57.8	71.2	94.2	74.9	68.9	104.6	71.2	87.8	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
3.6	8.8	12.2	18.5	17.8	21.4	38.9	28.0	47.3	52.3	F		
5.9	12.1	10.2	21.4	23.9	20.0	18.0	25.1	11.2	47.3	M	Peptic ulcer	531-533/K25-K27
1.8	1.1	1.8	2.5	4.2	0.9	4.6	11.5	9.5	8.7	F		
41.6	64.0	114.9	145.2	224.1	233.5	344.3	359.8	355.8	270.3	M	Liver cirrhosis	571/K70, K74
23.4	41.9	73.1	105.7	187.8	228.6	299.8	318.1	285.4	255.8	F		
5.3	6.0	5.4	12.7	14.6	21.2	24.6	37.7	59.9	47.3	M	Renal disease	580-590/N00-N19
3.6	5.0	7.3	6.7	13.6	12.1	22.9	20.4	30.2	37.8	F		
0.6	0.6	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
0.7	0.6	0.7	-	2.7	-	1.6	-	3.7	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
-	1.1	0.6	-	-	-	-	-	-	-	F	Ill-defined causes	780-799/R00-R99
4.0	6.0	11.6	14.6	22.5	15.0	19.7	33.5	292.1	2135.1	M		
0.6	1.1	1.8	5.0	6.3	5.6	14.9	39.4	247.6	1936.0	F		
41.6	45.3	80.9	90.6	90.2	106.1	101.6	117.2	127.3	175.7	M	Other medical causes	Rest of 001-799/ rest of A00-R99
22.8	18.2	26.8	45.3	60.9	64.1	43.5	73.8	68.1	61.0	F		
157.0	182.5	223.0	250.5	275.9	208.5	204.9	219.7	191.0	189.2	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
22.2	39.7	40.8	52.0	72.4	61.3	73.2	70.0	88.8	110.5	F		
...	...	...	...	...	...	...	...	...	...	M	Motor vehicle traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
2.6	3.6	4.1	9.7	2.7	6.2	8.2	10.5	7.5	-	M	Fire	E890-E899/X00-X09
-	-	1.8	1.7	-	-	4.6	2.5	9.5	17.4	F		
33.6	38.1	44.2	43.9	62.3	43.7	44.3	50.2	44.9	40.5	M	Suicide	E950-E959/X60-X84
1.8	3.9	3.0	7.6	8.4	13.0	9.2	5.1	5.7	8.7	F		
29.7	19.3	27.2	30.2	29.2	15.0	13.1	25.1	11.2	-	M	Homicide	E960-E969/ X85-X99, Y00-Y09
5.4	8.8	2.4	10.1	9.4	6.5	9.2	15.3	9.5	17.4	F		
151.6	165.5	147.1	102.6	75.4	80.1	61.0	47.8	26.7	14.8	M	POPULATION	
166.6	181.4	164.2	119.2	95.3	107.6	87.4	78.6	52.9	34.4	F	(1000s; UN, 2002 revision)	

MOLDOVA, Republic of: 1995, 2000
Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero- digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non- medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2848	155	6	6	143	9	298	153	66	888	1279
35-69	Sm.	4299	1176	663	278	235	522	249	1704	-	648	-
	Total	14808 (29%)	2459 (48%)	711 (93%)	403 (69%)	1345 (17%)	666 (78%)	652 (38%)	5577 (31%)	1491	1737 (37%)	2226
70+	Sm.	811	165	117	21	27	252	6	303	-	85	-
	Total	9362 (9%)	680 (24%)	146 (80%)	56 (38%)	478 (6%)	506 (50%)	82 (7%)	5370 (6%)	277	2272 (4%)	175
Any age	Sm.	5110	1341	780	299	262	774	255	2007	-	733	-
	Total	27018 (19%)	3294 (41%)	863 (90%)	465 (64%)	1966 (13%)	1181 (66%)	1032 (25%)	11100 (18%)	1834	4897 (15%)	3680
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1755	85	5	4	76	5	130	73	35	648	779
35-69	Sm.	2560	740	430	173	137	323	120	983	-	394	-
	Total	11211 (23%)	1887 (39%)	477 (90%)	296 (58%)	1114 (12%)	464 (70%)	417 (29%)	4382 (22%)	1053	1383 (28%)	1625
70+	Sm.	531	104	76	14	14	199	3	206	-	19	-
	Total	8196 (6%)	561 (19%)	107 (71%)	52 (27%)	402 (3%)	503 (40%)	82 (4%)	5924 (3%)	307	635 (3%)	184
Any age	Sm.	3091	844	506	187	151	522	123	1189	-	413	-
	Total	21162 (15%)	2533 (33%)	589 (86%)	352 (53%)	1592 (9%)	972 (54%)	629 (20%)	10379 (11%)	1395	2666 (15%)	2588

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		2073.0	1228.9	764.7	173.9	157.1	111.9	85.0	94.3	76.7	65.8	42.0	19.7	17.7
2000		2047.3	1174.7	783.3	151.6	165.5	147.1	102.6	75.4	80.1	61.0	47.8	26.7	14.8
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		27018	2848	14808	1022	1465	1511	1757	2521	2982	3550	3203	2157	4002
2000		21162	1755	11211	646	996	1458	1411	1656	2339	2705	2883	2560	2753
Lung cancer														
1995		863	6	711	12	43	53	87	163	176	177	98	31	17
2000		589	5	477	8	22	36	73	92	142	104	62	39	6
ANNUAL DEATH RATE / 100,000														
All causes														
1995		1943.4*	249.0*	2413.4*	587.7	932.5	1350.3	2067.1	2673.4	3887.9	5395.1	7626.2	10949.2	22610.2
2000		1523.1*	166.5*	1849.3*	426.1	601.8	991.2	1375.2	2196.3	2920.1	4434.4	6031.4	9588.0	18601.4
All cancer														
1995		222.1*	13.4*	416.8*	44.3	102.5	191.2	374.1	545.1	754.9	905.8	911.9	908.6	666.7
2000		166.2*	7.7*	321.4*	39.6	70.1	134.6	271.0	468.2	573.0	693.4	675.7	659.2	418.9
Lung cancer														
1995		57.8*	0.5*	122.2*	6.9	27.4	47.4	102.4	172.9	229.5	269.0	233.3	157.4	96.0
2000		38.8*	0.4*	83.4*	5.3	13.3	24.5	71.2	122.0	177.3	170.5	129.7	146.1	40.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		31.2*	0.6*	65.2*	4.0	24.8	44.7	100.0	87.0	100.4	95.7	83.3	76.1	33.9
2000		22.9*	0.4*	48.0*	4.6	9.7	32.0	60.4	76.9	67.4	85.2	71.1	41.2	47.3
Other cancer														
1995		133.1*	12.3*	229.4*	33.4	50.3	99.2	171.8	285.3	425.0	541.0	595.2	675.1	536.7
2000		104.5*	6.9*	189.9*	29.7	47.1	78.2	139.4	269.2	328.3	437.7	474.9	471.9	331.1
Chronic obstructive pulmonary disease (COPD)														
1995		88.3*	0.8*	120.3*	9.8	15.9	25.9	82.4	119.8	226.9	361.7	588.1	619.3	774.0
2000		74.3*	0.5*	88.2*	5.3	6.6	18.4	33.1	86.2	176.0	291.8	376.6	685.4	945.9
Other respiratory disease														
1995		60.5*	25.7*	93.0*	44.3	70.7	92.9	120.0	120.9	99.1	103.3	88.1	121.8	118.6
2000		38.5*	13.4*	60.1*	22.4	31.4	57.8	71.2	94.2	74.9	68.9	104.6	71.2	87.8
Vascular disease														
1995		868.6*	13.7*	997.0*	84.5	157.9	329.8	608.2	972.4	1864.4	2962.0	4733.3	6634.5	11723.2
2000		831.7*	6.9*	806.0*	52.1	121.5	248.1	401.6	815.6	1403.2	2600.0	4010.5	7104.9	14256.8
Liver cirrhosis														
1995		119.6*	6.1*	237.9*	47.2	105.0	161.8	238.8	298.0	396.3	417.9	397.6	355.3	226.0
2000		89.5*	3.4*	166.8*	41.6	64.0	114.9	145.2	224.1	233.5	344.3	359.8	355.8	270.3
Other medical causes														
1995		383.5*	76.5*	251.3*	125.9	196.1	221.6	287.1	270.4	276.4	381.5	711.9	2096.4	8813.6
2000		182.2*	65.5*	192.2*	108.2	125.7	194.4	202.7	232.1	250.9	231.1	284.5	520.6	2432.4
All non-medical causes														
1995		200.8*	112.9*	297.1*	231.7	284.5	327.1	356.5	346.8	269.9	262.9	195.2	213.2	288.1
2000		140.7*	69.1*	214.6*	157.0	182.5	223.0	250.5	275.9	208.5	204.9	219.7	191.0	189.2

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: Republic of MOLDOVA

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1382	124	3	1	120	4	197	65	37	617	338
35-69	Sm.	435	65	50	5	10	75	9	242	-	44	-
	Total	10148 (4%)	1673 (4%)	118 (42%)	40 (13%)	1515 (1%)	242 (31%)	226 (4%)	4658 (5%)	1646	995 (4%)	708
70+	Sm.	23	2	2	0	0	8	0	11	-	2	-
	Total	14324 (0%)	694 (0%)	46 (4%)	18 (0%)	630 (0%)	371 (2%)	60 (0%)	8460 (0%)	420	4111 (0%)	208
Any age	Sm.	458	67	52	5	10	83	9	253	-	46	-
	Total	25854 (2%)	2491 (3%)	167 (31%)	59 (8%)	2265 (0%)	617 (13%)	483 (2%)	13183 (2%)	2103	5723 (1%)	1254
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	849	92	2	2	88	2	107	35	24	374	215
35-69	Sm.	210	36	30	3	3	36	3	115	-	20	-
	Total	7370 (3%)	1372 (3%)	99 (30%)	32 (9%)	1241 (0%)	180 (20%)	138 (2%)	3503 (3%)	1048	692 (3%)	437
70+	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	11843 (0%)	550 (0%)	38 (0%)	15 (0%)	497 (0%)	434 (0%)	65 (0%)	9081 (0%)	489	1084 (0%)	140
Any age	Sm.	210	36	30	3	3	36	3	115	-	20	-
	Total	20062 (1%)	2014 (2%)	139 (22%)	49 (6%)	1826 (0%)	616 (6%)	310 (1%)	12619 (1%)	1561	2150 (1%)	792

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	2266.6	1217.0	900.9	186.5	170.2	125.4	102.5	118.6	100.7	97.0	73.7	36.0	39.0
2000	2235.3	1147.7	921.7	166.6	181.4	164.2	119.2	95.3	107.6	87.4	78.6	52.9	34.4
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	25854	1382	10148	397	647	721	1018	1814	2265	3286	4046	3074	7204
2000	20062	849	7370	251	457	656	778	1069	1807	2352	3091	3654	5098
Lung cancer													
1995	167	3	118	2	3	12	9	20	31	41	22	10	14
2000	139	2	99	2	6	13	6	14	34	24	19	16	3
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	1258.7*	119.7*	1332.5*	212.9	380.1	575.0	993.2	1529.5	2249.3	3387.6	5489.8	8538.9	18471.8
2000	957.9*	85.2*	992.4*	150.7	251.9	399.5	652.7	1121.7	1679.4	2691.1	3932.6	6907.4	14819.8
All cancer													
1995	119.3*	10.5*	213.9*	46.6	81.7	134.0	171.7	273.2	347.6	442.3	517.0	466.7	371.8
2000	94.0*	8.8*	174.2*	39.0	63.9	116.9	156.0	215.1	291.8	336.4	353.7	370.5	220.9
Lung cancer													
1995	8.0*	0.3*	15.9*	1.1	1.8	9.6	8.8	16.9	30.8	42.3	29.9	27.8	35.9
2000	6.4*	0.2*	13.0*	1.2	3.3	7.9	5.0	14.7	31.6	27.5	24.2	30.2	8.7
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	2.8*	0.1*	5.2*	1.1	1.2	2.4	3.9	6.7	7.9	13.4	10.9	11.1	15.4
2000	2.2*	0.2*	4.2*	-	1.1	3.0	2.5	3.1	9.3	10.3	8.9	13.2	2.9
Other cancer													
1995	108.5*	10.2*	192.8*	44.5	78.7	122.0	159.0	249.6	308.8	386.6	476.3	427.8	320.5
2000	85.4*	8.3*	156.9*	37.8	59.5	106.0	148.5	197.3	250.9	298.6	320.6	327.0	209.3
Chronic obstructive pulmonary disease (COPD)													
1995	29.5*	0.3*	33.5*	2.7	1.8	4.0	21.5	28.7	69.5	106.2	200.8	230.6	359.0
2000	28.9*	0.2*	26.0*	0.6	1.1	4.3	11.7	31.5	49.3	83.5	139.9	289.2	497.1
Other respiratory disease													
1995	23.5*	17.0*	27.3*	8.0	20.6	27.9	31.2	32.9	39.7	30.9	31.2	55.6	43.6
2000	15.9*	11.7*	17.3*	3.6	8.8	12.2	18.5	17.8	21.4	38.9	28.0	47.3	52.3
Vascular disease													
1995	636.1*	5.6*	638.0*	36.5	80.5	138.8	310.2	620.6	1181.7	2097.9	3692.0	5494.4	9643.6
2000	598.1*	3.4*	500.5*	22.2	57.9	102.3	228.2	483.7	889.4	1719.7	2819.3	5419.7	11622.1
Liver cirrhosis													
1995	103.8*	3.2*	212.3*	31.6	67.0	112.4	243.9	319.6	349.6	361.9	346.0	286.1	159.0
2000	73.2*	2.2*	137.2*	23.4	41.9	73.1	105.7	187.8	228.6	299.8	318.1	285.4	255.8
Other medical causes													
1995	286.5*	53.8*	124.3*	46.1	58.8	75.8	121.0	148.4	166.8	253.6	591.6	1852.8	7712.8
2000	110.1*	38.9*	85.6*	39.6	38.6	49.9	80.5	113.3	137.5	139.6	203.6	406.4	2061.0
All non-medical causes													
1995	59.9*	29.2*	83.2*	41.3	69.9	82.1	93.7	106.2	94.3	94.8	111.3	152.8	182.1
2000	37.5*	20.1*	51.7*	22.2	39.7	40.8	52.0	72.4	61.3	73.2	70.0	88.8	110.5

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

MOLDOVA, Republic of: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.8	– / 0.8	–
35–69	2.6 / 11	0.2 / 7.4	20 years
70+	0.5 / 8.2	0.0 / 12	8 years
All ages	3.1 / 21	0.2 / 20	18 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

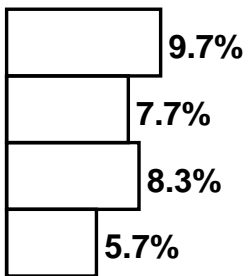
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	0.4/0.5	0.1/0.1	0.5/0.6	–/0.0	0.0/0.1	0.0/0.0	0.0/0.1
All Cancer	–/0.1	0.7/1.9 (39%)	0.1/0.6 (19%)	0.8/2.5	–/0.1	0.0/1.4 (3%)	0.0/0.6 (0%)	0.0/2.0
Vascular	–/0.1	1.0/4.4	0.2/5.9	1.2/10	–/0.0	0.1/3.5	0.0/9.1	0.1/13
Respiratory	–/0.1	0.4/0.9	0.2/0.6	0.6/1.6	–/0.1	0.0/0.3	0.0/0.5	0.0/0.9
All Other	–/1.5	0.4/4.1	0.0/1.1	0.4/6.6	–/0.6	0.0/2.2	0.0/1.7	0.0/4.5
All Causes	–/1.8	2.6/11 (23%)	0.5/8.2 (6%)	3.1/21	–/0.8	0.2/7.4 (3%)	0.0/12 (0%)	0.2/20

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	0.8 / 2.5 (33%)	0.0 / 2.0 (2%)	0.9 / 4.5 (19%)
All Causes	3.1 / 21 (15%)	0.2 / 20 (1%)	3.3 / 41 (8%)

1985-2000: Republic of MOLDOVA

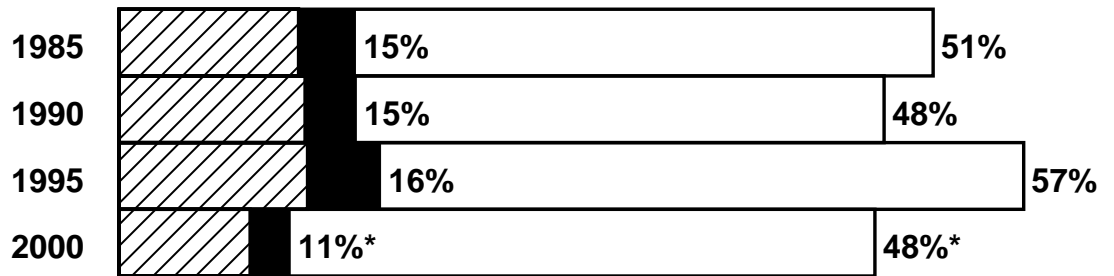
Population risk of dying at ages 0–34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

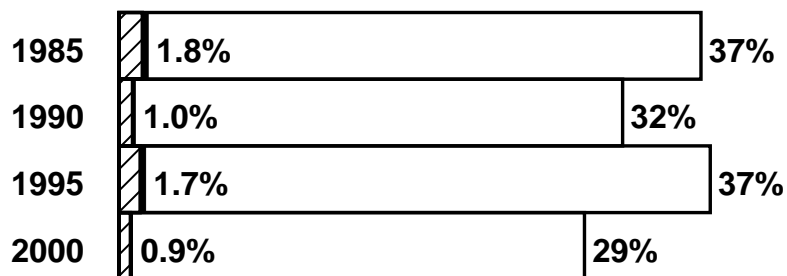
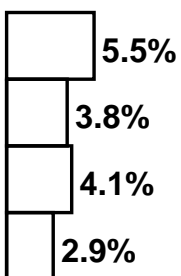
MALE



*At year 2000 male death rates, out of 100 men aged 35, 48 would die before age 70 (with 11 of these deaths attributed to smoking)

Note: If the substantial decrease during the 1990s in the mortality attributed to cancer in this country is partly artefactual, then the corresponding decrease in the mortality attributed to smoking (pages 328–335) will not be reliable.

FEMALE



MOLDOVA, Republic of: 1980-2000
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Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/3.9	3.3/11 (31%)	0.8/8.1 (10%)	4.1/23	-/2.2	0.5/9.0 (5%)	0.1/12	0.5/23
1990	-/3.0	3.5/11 (32%)	0.7/7.3 (10%)	4.3/21	-/1.5	0.3/8.4 (3%)	0.3/11	0.6/21
1995	-/2.8	4.3/15 (29%)	0.8/9.4 (9%)	5.1/27	-/1.4	0.4/10 (4%)	0.0/14	0.5/26
2000	-/1.8	2.6/11 (23%)	0.5/8.2 (6%)	3.1/21	-/0.8	0.2/7.4 (3%)	0.0/12	0.2/20

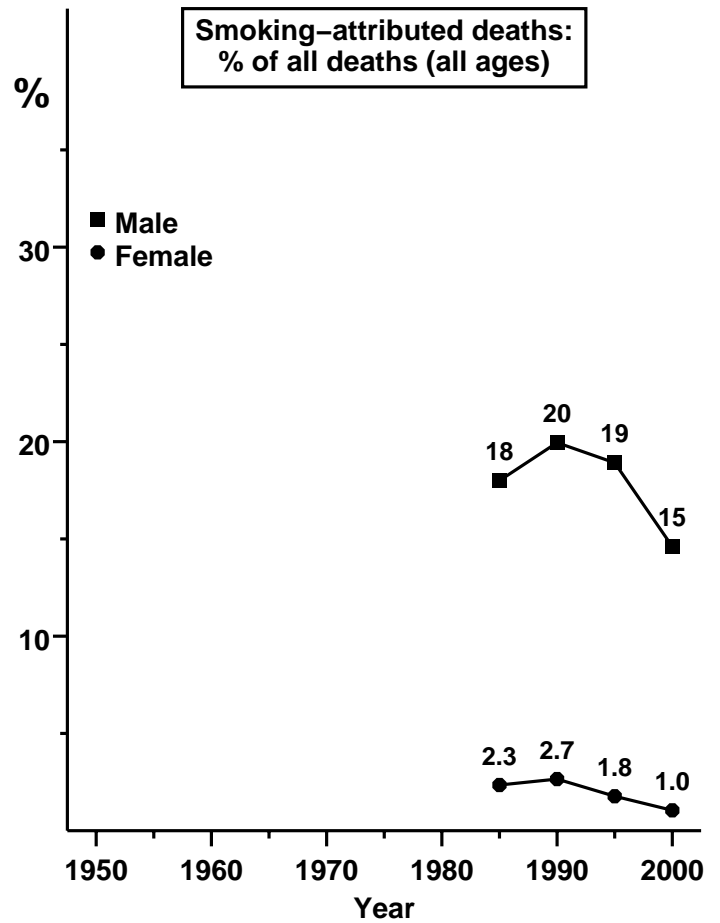
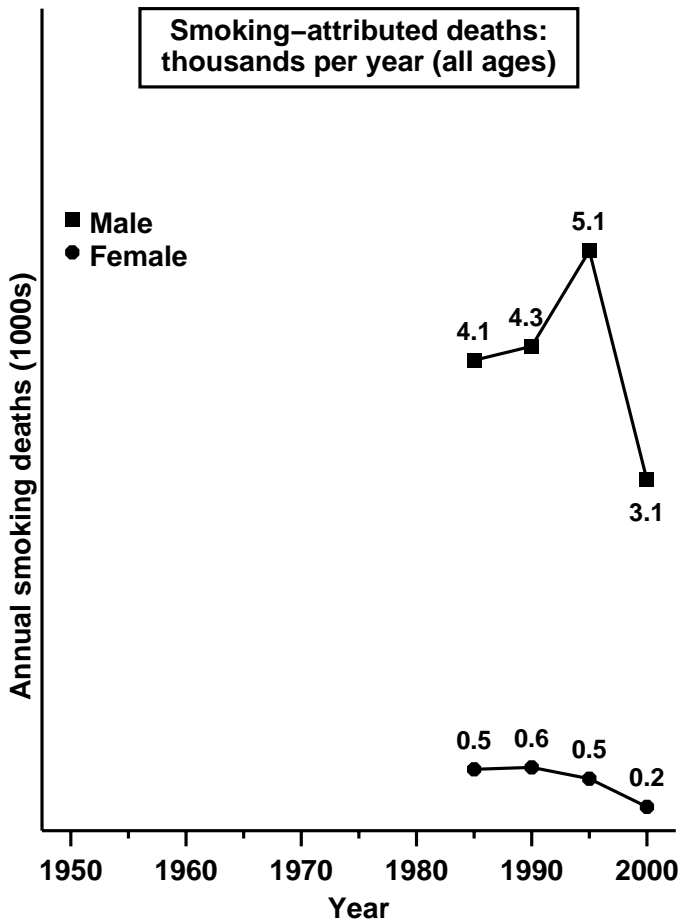
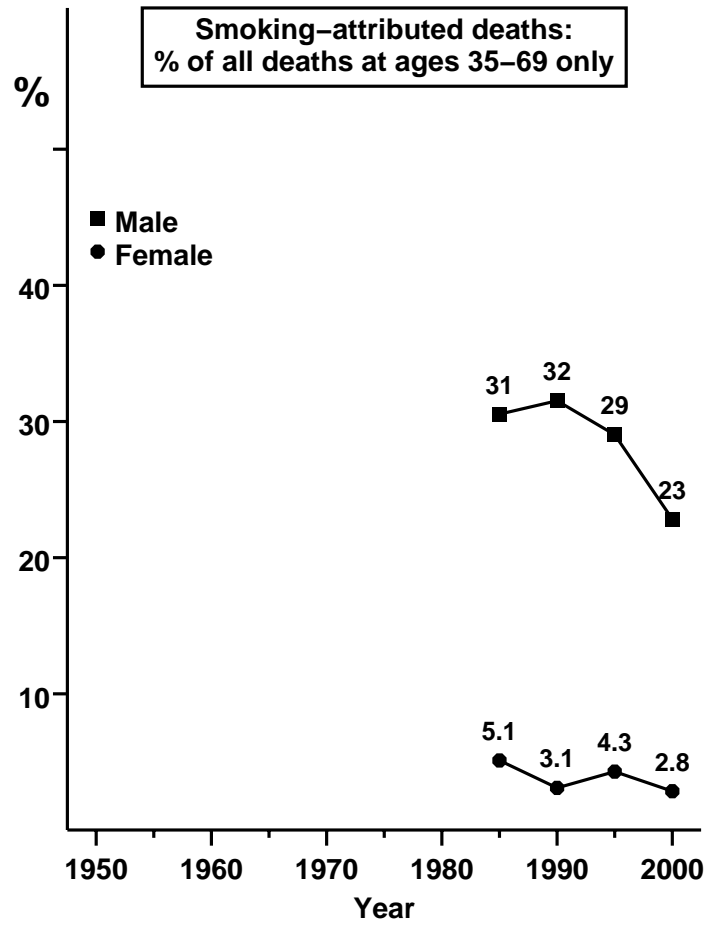
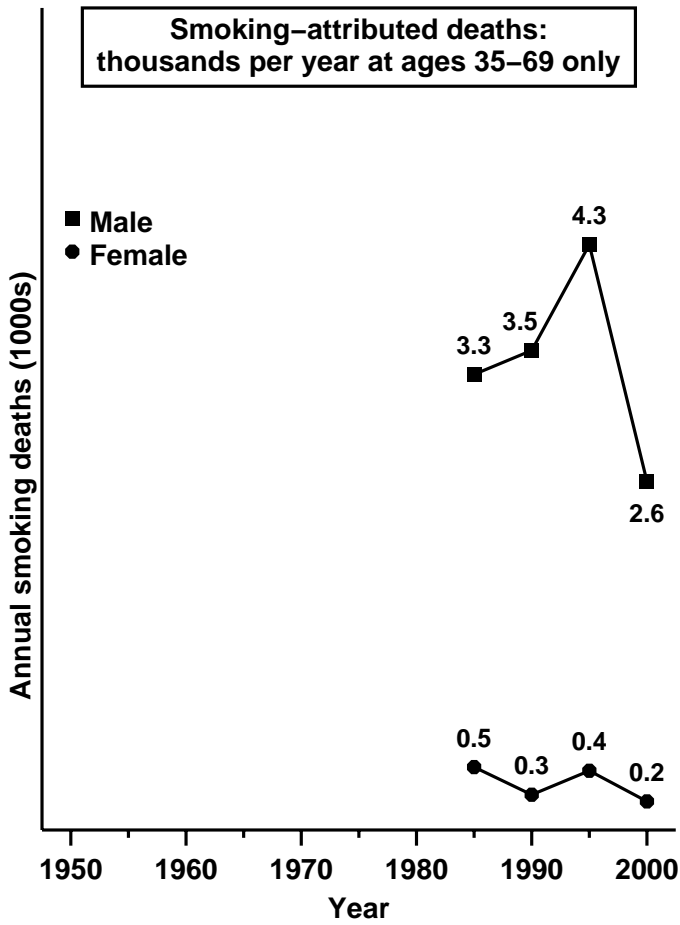
20-year total* (thousands), mid-1980 to mid-2000: 103 / 989

1980-2000 by age & sex:

-/68	76/258 (30%)	16/175 (9%)	93/501	-/36	9.0/192 (5%)	1.0/261 (0.4%)	10/489
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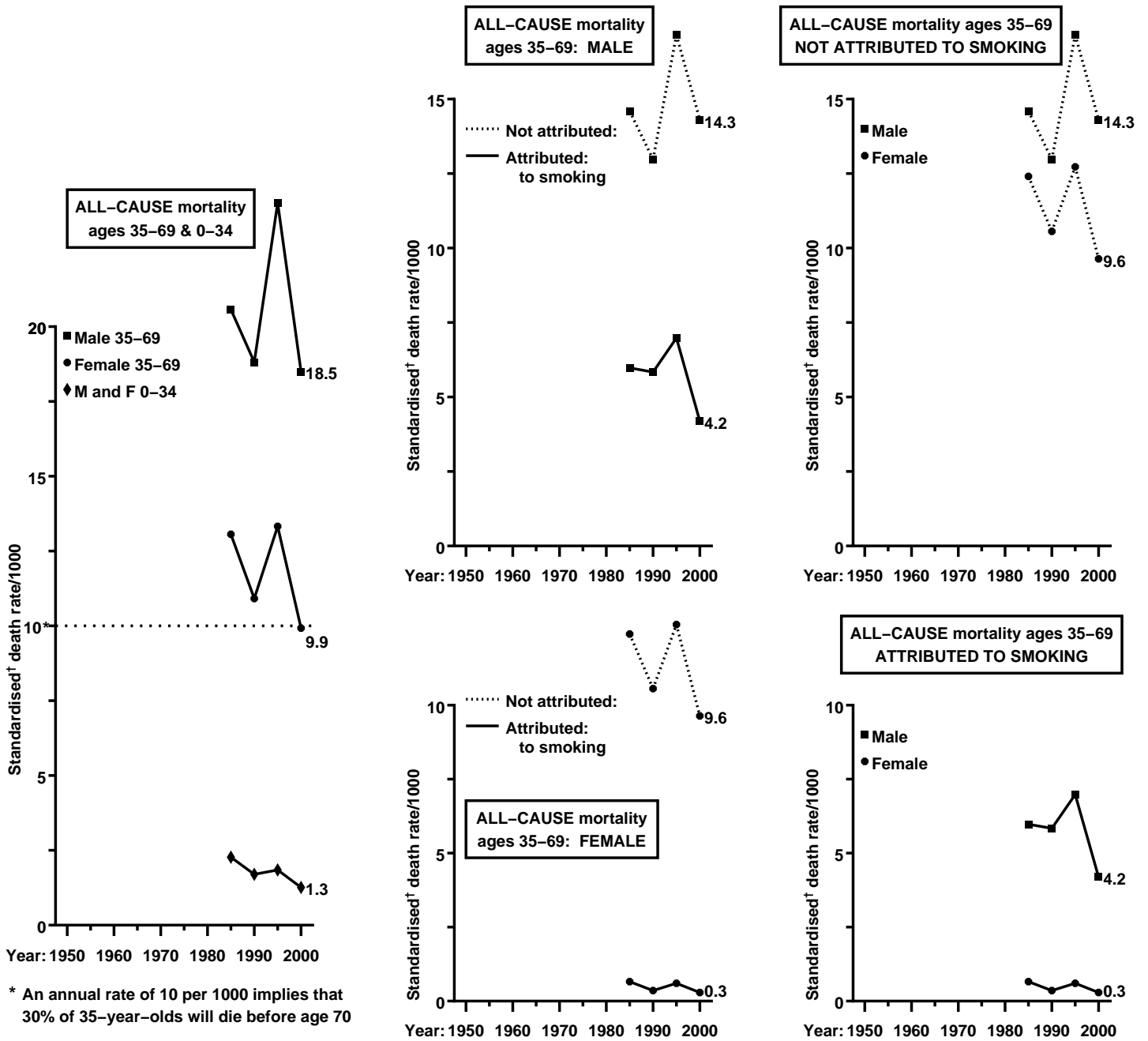
*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1985-2000: Republic of MOLDOVA



MOLDOVA, Republic of: 1985-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

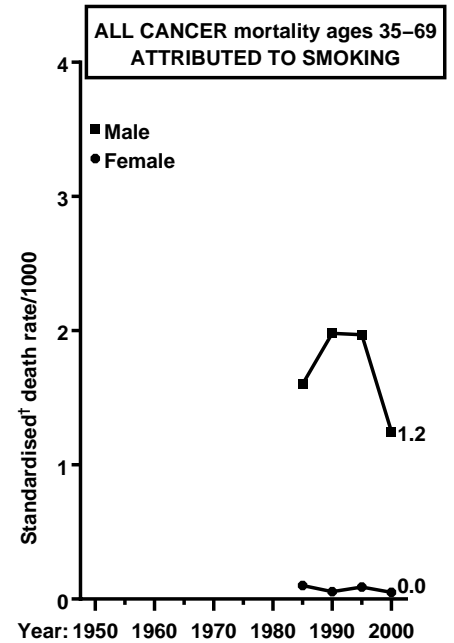
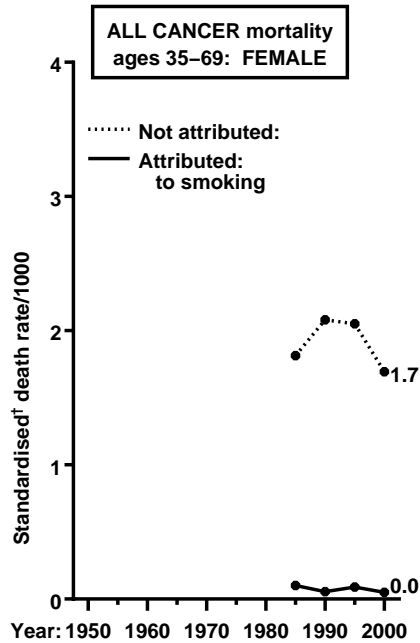
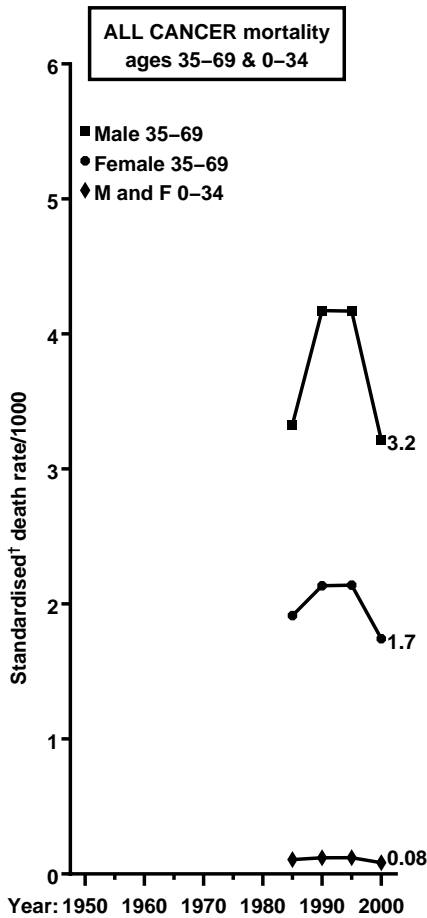
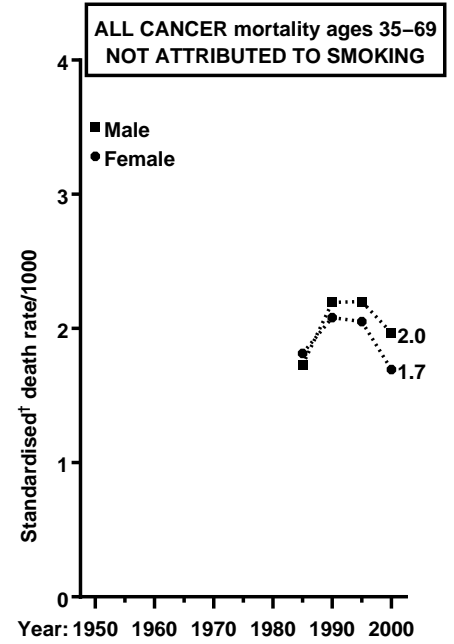
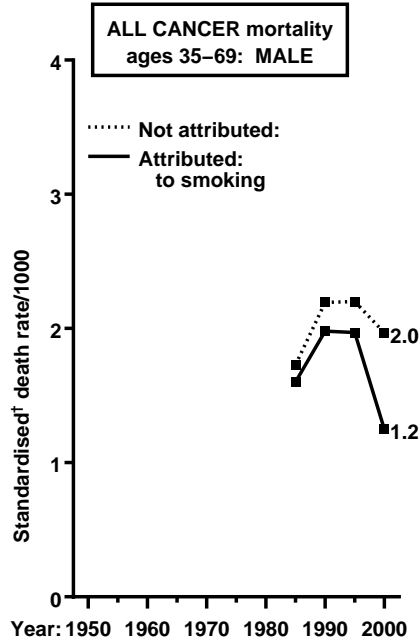
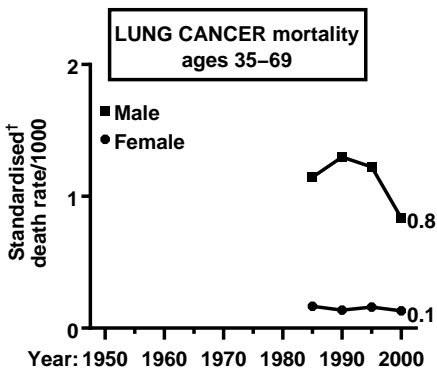
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965
1970
1975
1980
1985	-	2.92	5.97	14.6	9.31	78.8	-	1.62	0.66	12.4	0.61	62.9	-	0.16	70.0	
1990	-	2.28	5.84	13.0	9.23	67.2	-	1.11	0.35	10.6	2.12	53.2	-	0.00	54.2	
1995	-	2.49	6.98	17.2	9.32	83.6	-	1.20	0.60	12.7	0.16	70.0	-	0.00	54.2	
2000	-	1.67	4.19	14.3	5.56	72.5	-	0.85	0.29	9.64	0.00	54.2	-	0.00	54.2	

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: Republic of MOLDOVA

Trends in ALL CANCER mortality attributed and not attributed to smoking



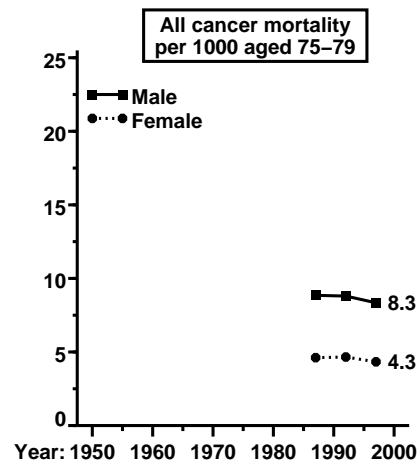
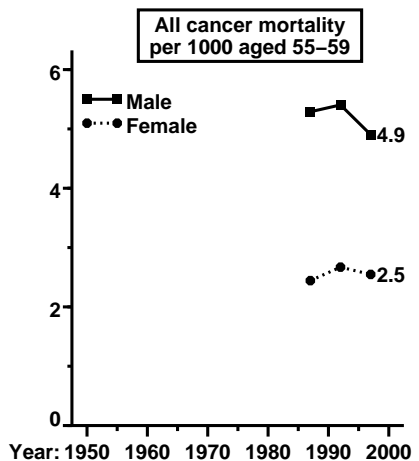
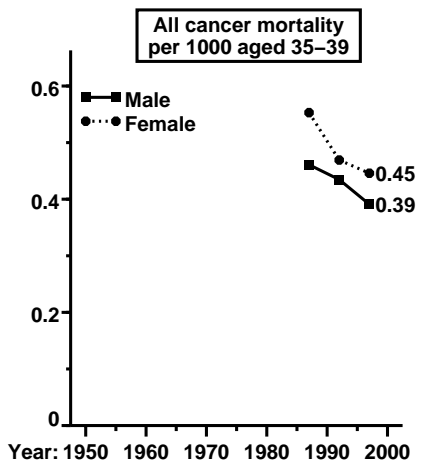
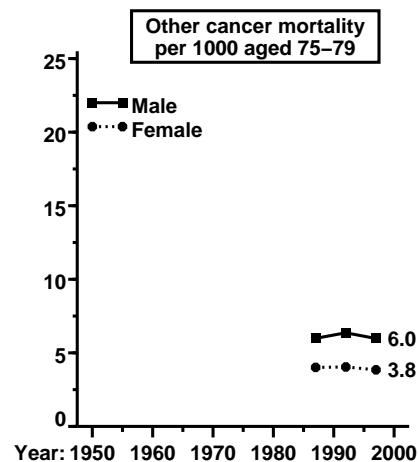
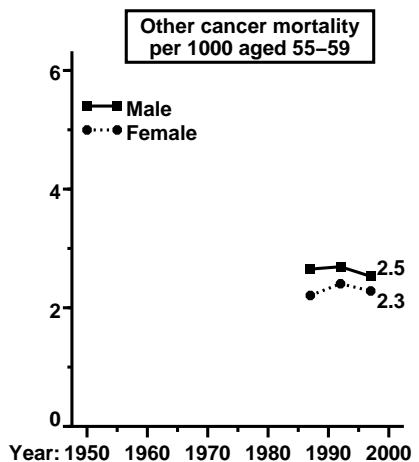
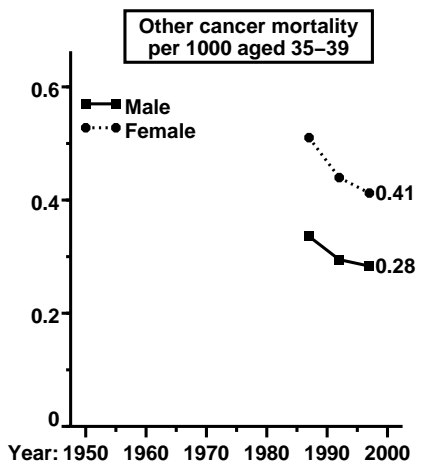
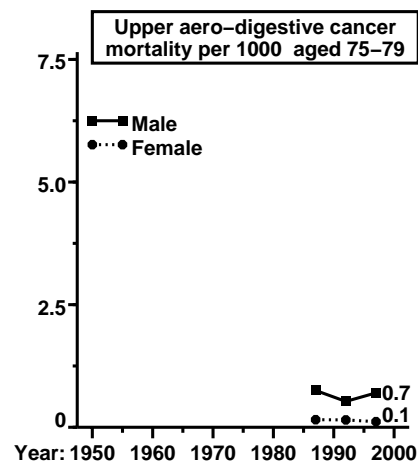
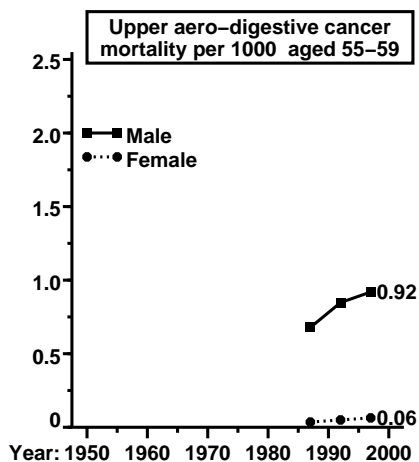
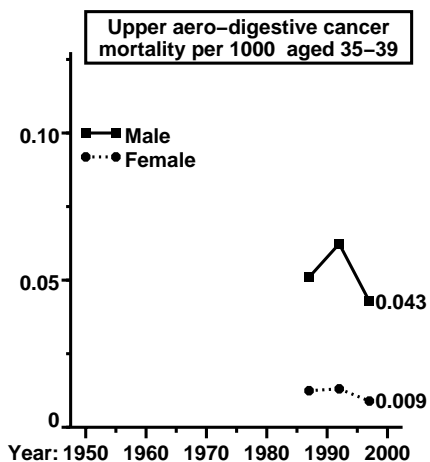
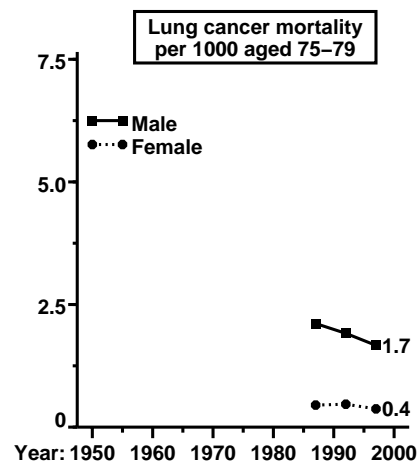
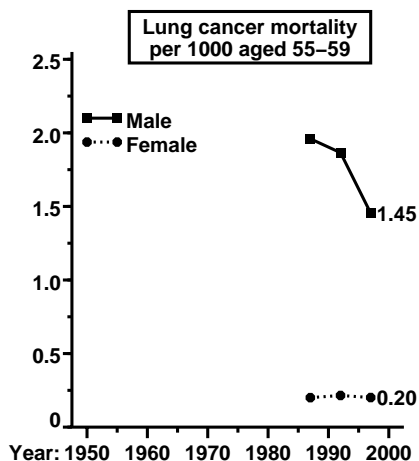
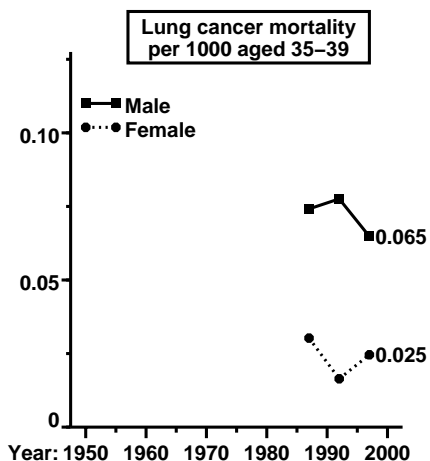
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965
1970
1975
1980
1985	-	0.11	1.60	1.73	1.95	5.90	-	0.10	0.10	1.81	0.05	4.01	-	0.12	0.32	4.54
1990	-	0.12	1.98	2.19	2.54	6.92	-	0.12	0.05	2.08	0.01	4.90	-	0.11	0.09	2.05
1995	-	0.13	1.97	2.20	2.19	6.91	-	0.11	0.09	2.05	0.01	4.90	-	0.11	0.09	2.05
2000	-	0.08	1.25	1.97	1.31	5.37	-	0.09	0.05	1.69	0.00	3.62	-	0.09	0.05	1.69

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

MOLDOVA, Republic of: 1985-2000

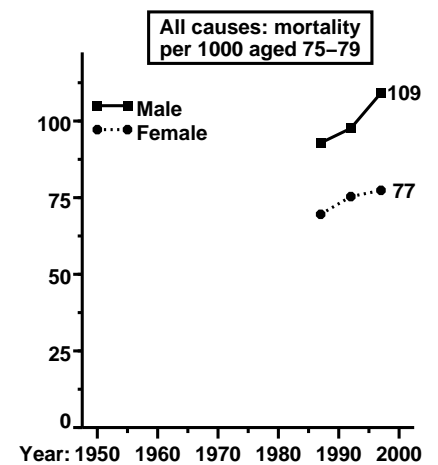
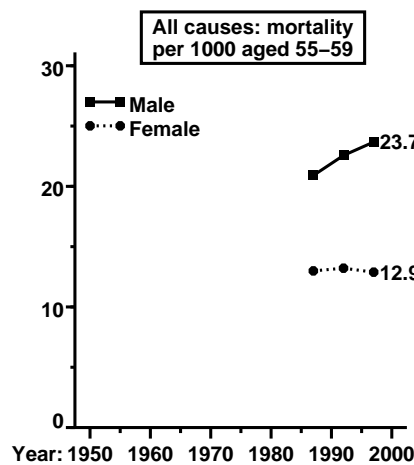
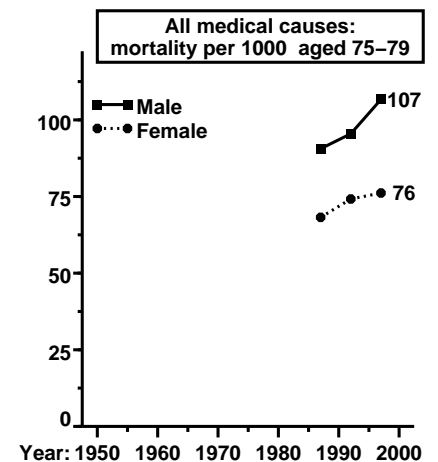
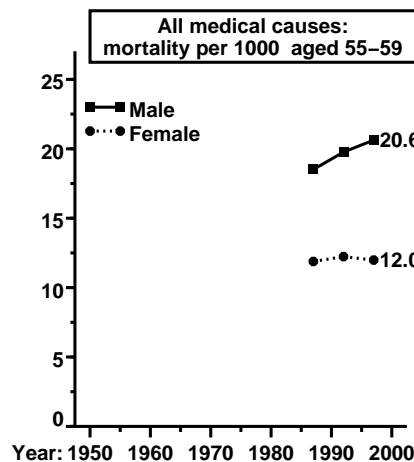
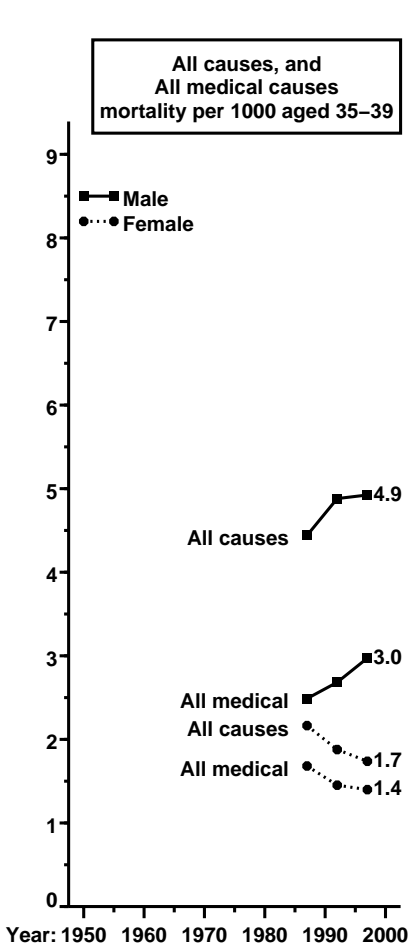
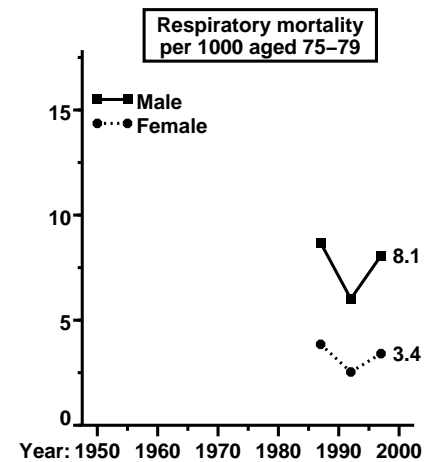
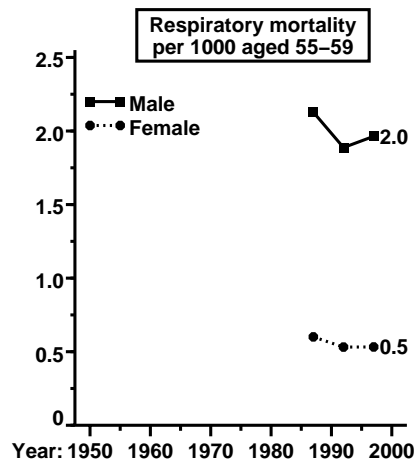
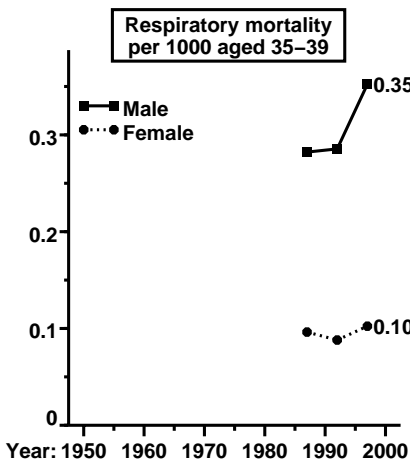
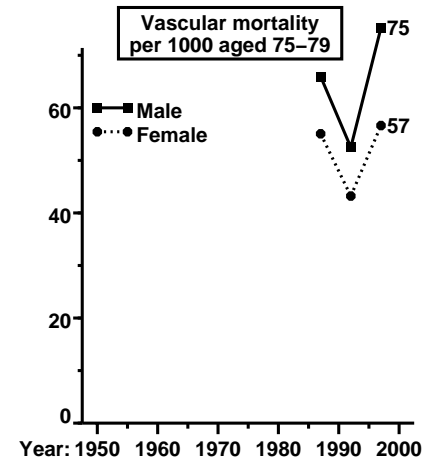
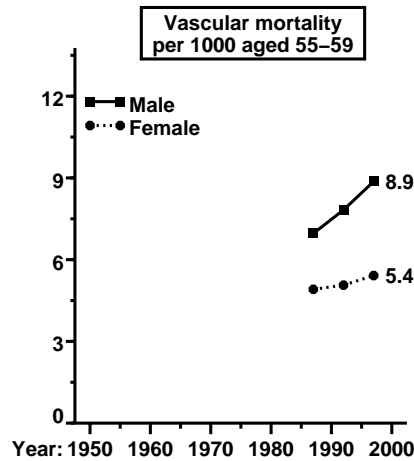
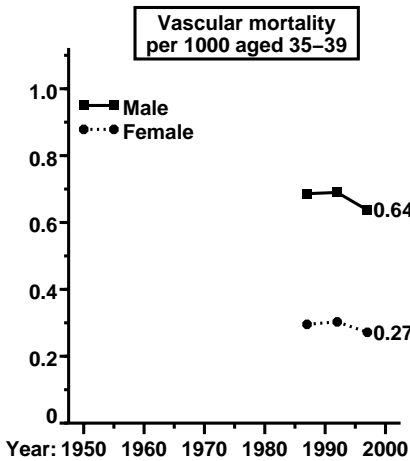
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1985–89,.....,1995–99; year 2000 on pages 326–327

1985-2000: Republic of MOLDOVA

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; year 2000 on pages 326-327

NETHERLANDS: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	68773	2299	21653	859.9	61.6	782.0	141.4	15.3	16.0	52.4	71.2	62.6	72.5
	F	71754	1416	13399	551.3	39.8	457.9	121.8	10.7	11.4	26.3	29.5	32.4	46.2
Tuberculosis	M	49	1	10	0.6	0.0	0.3	-	-	0.2	-	-	-	-
	F	42	1	11	0.4	0.0	0.4	-	-	-	-	-	0.2	-
HIV	M	106	11	93	1.2	0.2	2.3	-	-	-	-	-	0.3	1.3
	F	26	9	16	0.3	0.2	0.4	-	-	-	-	-	0.5	0.9
Other infective and parasitic	M	633	44	180	7.9	1.2	6.3	4.6	0.4	0.4	0.2	0.6	0.9	1.2
	F	774	43	121	6.1	1.3	4.3	4.9	0.2	0.8	1.3	0.4	0.5	0.6
ALL CANCER	M	20718	240	8396	259.0	6.1	311.9	4.0	3.3	2.4	4.9	7.3	9.4	11.6
	F	17028	226	6666	157.3	5.9	225.5	3.4	2.7	3.6	3.8	5.9	6.8	15.2
Mouth and pharynx cancer	M	364	4	238	4.6	0.1	8.0	-	-	-	-	0.2	0.5	-
	F	169	-	91	1.7	-	3.2	-	-	-	-	-	-	-
Oesophagus cancer	M	871	3	469	11.0	0.1	16.9	-	-	-	-	-	0.3	0.1
	F	354	2	121	3.1	0.1	4.2	-	-	-	-	0.4	-	-
Stomach cancer	M	1031	3	416	12.9	0.1	15.5	-	-	-	-	0.2	-	0.3
	F	688	3	200	5.8	0.1	6.9	-	-	-	-	0.2	0.2	0.2
Colorectal cancer	M	2140	7	874	26.8	0.2	32.8	-	-	-	-	-	0.5	0.6
	F	2160	9	591	18.1	0.2	20.7	-	-	-	-	0.2	0.2	1.1
Liver cancer	M	216	4	97	2.7	0.1	3.4	-	-	0.4	-	-	-	0.3
	F	129	3	54	1.2	0.1	1.9	-	-	-	-	-	0.2	0.3
Pancreas cancer	M	846	-	412	10.6	-	15.4	-	-	-	-	-	-	-
	F	921	4	270	8.0	0.1	9.7	-	-	-	-	0.2	-	0.5
Larynx cancer	M	202	-	102	2.5	-	3.6	-	-	-	-	-	-	-
	F	50	-	25	0.5	-	0.9	-	-	-	-	-	-	-
Lung cancer	M	6297	7	2675	78.7	0.1	102.6	-	-	-	-	-	-	1.0
	F	2262	4	1307	23.9	0.1	44.4	-	-	-	-	-	0.2	0.5
Malignant melanoma	M	279	20	179	3.4	0.5	5.8	-	-	-	0.2	0.4	1.7	1.0
	F	191	10	97	1.9	0.3	3.1	-	-	-	0.2	0.2	0.7	0.6
Female breast cancer	M	3425	33	1680	33.4	0.8	54.1	-	-	-	-	0.7	0.7	4.0
Cervix cancer	F	258	13	138	2.6	0.3	4.2	-	-	-	-	-	0.7	1.4
Other uterine cancer	F	400	1	121	3.4	0.0	4.3	-	-	-	-	-	-	0.2
Ovarian cancer	F	913	10	406	8.8	0.3	14.0	-	0.2	0.2	0.2	-	0.4	0.8
Prostate cancer	M	2367	-	397	29.5	-	16.6	-	-	-	-	-	-	-
Bladder cancer	M	798	-	214	9.9	-	7.9	-	-	-	-	-	-	-
	F	314	1	71	2.5	0.0	2.5	-	-	-	-	-	-	0.2
Other and ill-defined cancer sites	M	3710	120	1687	46.4	3.1	60.6	2.8	2.0	1.8	3.2	3.4	3.8	5.0
	F	3399	80	1090	30.0	2.2	37.4	3.0	1.8	2.5	2.5	1.1	1.3	3.4
Hodgkin's disease	M	48	10	18	0.6	0.3	0.6	-	-	-	-	1.0	0.3	0.4
	F	38	7	12	0.4	0.2	0.4	-	-	-	-	0.7	0.5	0.2
Myeloma and non-Hodgkin lymphomas	M	966	20	419	12.0	0.5	15.1	-	0.6	-	0.4	0.8	0.7	1.0
	F	842	16	250	7.4	0.4	8.9	0.2	-	0.2	0.4	0.9	0.5	0.8
Leukaemia	M	583	42	199	7.3	1.1	7.1	1.2	0.8	0.2	1.1	1.3	1.4	1.8
	F	515	30	142	4.5	0.8	4.8	0.2	0.6	0.6	0.4	1.3	1.3	1.2
Diabetes	M	1318	7	476	16.5	0.2	17.0	0.2	-	-	-	0.2	0.5	0.3
	F	2027	8	289	14.7	0.2	10.5	-	-	-	0.2	0.2	-	0.9
ALL VASCULAR DISEASE	M	23638	133	6806	294.5	3.4	251.3	2.8	0.4	1.0	4.5	2.5	5.9	6.6
	F	25553	103	2896	179.8	2.6	103.1	1.5	0.6	0.8	0.9	2.8	5.4	6.5
Rheumatic heart disease and fever	M	8	-	2	0.1	-	0.1	-	-	-	-	-	-	-
	F	7	-	2	0.1	-	0.1	-	-	-	-	-	-	-
Hypertensive disease	M	289	-	101	3.6	-	3.7	-	-	-	-	-	-	-
	F	508	1	65	3.7	0.0	2.4	-	-	-	-	-	-	0.2
Ischaemic heart disease	M	9921	29	3493	123.5	0.7	127.5	-	-	-	0.2	0.4	1.6	2.5
	F	7522	17	1051	55.4	0.4	38.1	-	-	-	-	0.2	0.9	1.7
Pulmonary embolism and other venous	M	267	7	70	3.3	0.2	2.5	-	-	-	0.2	-	0.3	0.6
	F	429	17	95	3.4	0.5	3.0	-	-	-	0.2	1.1	1.1	0.8
Cerebrovascular disease	M	4702	21	966	58.5	0.6	36.3	0.4	0.2	0.2	0.9	0.6	0.9	0.7
	F	7482	32	753	51.6	0.8	25.9	-	0.6	0.8	0.2	0.4	2.3	1.4
Other vascular disease	M	8451	76	2174	105.5	2.0	81.2	2.4	0.2	0.8	3.2	1.5	3.1	2.8
	F	9605	36	930	65.6	0.9	33.5	1.5	-	-	0.4	1.1	1.1	2.5
Chronic obstructive pulmonary disease	M	4208	12	603	52.1	0.3	24.4	0.8	0.4	0.4	-	-	0.2	0.4
	F	2550	7	449	19.7	0.2	16.6	0.2	-	-	0.7	-	0.2	0.3
Other respiratory disease	M	3500	31	444	43.8	0.9	17.3	2.0	0.8	0.6	1.1	0.2	0.9	0.4
	F	4419	25	275	28.6	0.7	9.9	1.1	0.4	0.2	0.9	0.9	0.4	1.1
Peptic ulcer	M	165	-	34	2.1	-	1.3	-	-	-	-	-	-	-
	F	227	1	23	1.6	0.0	0.8	-	0.2	-	-	-	-	-
Liver cirrhosis	M	507	3	387	6.3	0.1	12.3	-	-	-	-	-	-	0.4
	F	303	-	192	3.2	-	6.0	-	-	-	-	-	-	-
Renal disease	M	594	5	84	7.4	0.1	3.1	0.2	-	-	-	0.6	-	0.1
	F	745	5	82	5.2	0.1	3.0	0.4	-	-	-	0.2	0.2	0.2
Pregnancy, birth	F	18	13	5	0.2	0.3	0.1	-	-	-	0.2	0.2	0.7	1.1
Congenital and perinatal causes	M	601	531	56	9.3	15.2	1.7	99.5	1.2	1.0	0.6	1.5	0.7	1.6
	F	531	438	76	8.4	13.2	2.2	87.0	0.6	0.8	1.3	1.5	0.2	0.8
Ill-defined causes	M	3564	190	1333	44.8	5.0	46.2	8.4	1.2	0.6	3.4	8.2	5.6	7.6
	F	4180	109	630	30.5	3.1	20.8	7.8	0.8	0.6	2.5	3.5	2.7	3.6
Other medical causes	M	6149	219	1431	76.9	5.9	49.5	10.7	3.1	4.0	4.5	5.9	5.9	6.9
	F	11185	152	1034	76.0	4.2	35.3	9.3	2.7	1.7	2.5	3.7	4.1	5.6
ALL NON-MEDICAL CAUSES	M	3023	872	1320	37.5	23.1	37.1	8.0	4.5	5.3	33.1	44.2	32.3	33.9
	F	2146	276	634	19.4	7.7	19.1	6.3	2.5	2.7	12.1	10.1	10.6	9.6
Motor vehicle traffic accidents	M	770	384	262	9.8	10.5	7.5	1.2	2.2	3.0	20.7	24.1	12.9	9.7
	F	275	103	104	3.3	3.0	3.2	1.1	1.4	1.7	7.1	4.2	3.6	1.9
Fire	M	37	11	13	0.5	0.3	0.4	0.4	0.6	-	-	0.4	0.2	0.4
	F	29	6	8	0.3	0.2	0.2	0.8	0.2	-	0.2	-	-	-
Suicide	M	999	257	608	12.1	6.5	16.7	-	-	1.0	7.5	11.5	10.9	14.5
	F	501	85	336	5.8	2.1	9.6	-	-	-	1.8	2.2	4.7	6.3
Homicide	M	120	49	67	1.4	1.3	1.6	0.8	-	-	1.5	2.1	2.3	2.2
	F	60	32	22	0.8	0.9	0.6	-	0.4	0.2	2.0	2.2	1.6	0.2
POPULATION:				M=male	7879.1	3704.1	3594.6	497.3	510.4	494.3	467.7	477.2	575.5	681.7
(1000s; UN, 2002 revision)				F=female	8018.5	3544.6	3533.7	473.6	487.0	473.0	448.1	457.6	558.5	646.8

2000: NETHERLANDS

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK		9th ICD/10th ICD categories	
99.8	179.7	287.2	462.3	806.4	1317.1	2321.6	3945.6	6742.7	14799.4	M	ALL CAUSES	001-999/A00-Y89
78.4	133.4	232.6	314.3	490.7	742.1	1213.8	2037.8	3611.3	11453.5	F		
0.1	0.2	0.5	0.2	0.7	0.3	-	4.1	7.2	9.6	M	Tuberculosis	010-018, 137/
-	-	0.4	0.2	0.2	1.1	0.9	1.0	4.0	4.5	F		A15-A19, B90
2.3	5.1	3.1	2.7	0.7	1.4	1.0	-	0.6	0.6	M	HIV	279.5, 279.6/B20-B24
0.6	0.8	0.5	0.2	0.5	0.3	-	-	-	0.3	F		
1.0	2.2	4.0	3.9	6.1	6.3	20.6	38.8	56.6	136.3	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.9	0.7	1.8	1.9	4.4	9.5	10.6	20.7	45.0	118.8	F		
19.3	44.4	89.5	172.6	332.4	548.7	976.4	1412.9	2077.6	3138.3	M	ALL CANCER	140-208/C00-C97
30.1	65.3	121.2	174.2	273.2	385.9	528.4	707.9	944.8	1503.9	F		
0.4	2.1	4.6	7.9	11.6	13.0	16.4	18.8	21.1	24.4	M	Mouth and pharynx cancer	140-149/C00-C14
0.2	0.7	0.7	1.9	4.7	6.8	7.7	5.8	6.5	11.8	F		
0.9	1.9	5.2	12.6	22.5	29.8	45.5	56.8	68.8	87.5	M	Oesophagus cancer	150/C15
-	0.7	1.9	3.3	5.8	6.5	11.2	14.5	21.1	36.0	F		
0.7	2.4	5.9	8.7	12.9	26.5	51.4	68.7	98.2	171.7	M	Stomach cancer	151/C16
1.1	3.0	1.8	4.7	7.2	12.7	17.7	28.8	39.2	81.1	F		
0.9	2.2	9.3	18.0	35.4	64.0	99.8	134.5	212.4	351.8	M	Colorectal cancer	153, 154/C18-C21
0.8	3.3	9.0	14.6	24.7	39.4	52.9	85.9	135.0	259.6	F		
0.3	0.8	1.5	2.9	4.1	5.2	8.8	13.9	21.1	27.7	M	Liver cancer	155.0/C22 excl C221
0.5	0.3	0.7	0.5	1.9	4.1	5.6	4.5	9.4	9.0	F		
0.6	2.9	3.4	7.6	17.7	26.7	49.1	53.6	86.5	94.5	M	Pancreas cancer	157/C25
0.8	1.3	2.3	6.4	9.8	19.2	27.8	47.8	71.1	85.3	F		
-	0.3	1.7	3.0	4.1	8.0	8.2	9.8	23.8	21.2	M	Larynx cancer	161/C32
-	-	0.7	0.7	0.9	2.2	1.5	3.2	1.8	2.8	F		
2.6	8.8	21.5	47.3	108.5	173.1	356.6	494.7	680.0	758.2	M	Lung cancer	162/C33, C34
3.1	11.0	27.5	34.0	53.8	78.3	103.1	113.7	108.2	84.7	F		
1.3	3.7	3.4	5.4	7.3	7.2	12.1	13.5	14.4	13.5	M	Malignant melanoma	172/C43
0.8	1.3	1.9	2.6	5.6	4.1	5.6	5.5	8.3	12.4	F		
12.4	22.9	36.1	52.3	75.5	79.7	99.5	120.5	160.1	252.8	F	Female breast cancer	174/C50
1.7	3.5	5.0	4.0	3.5	3.2	8.3	8.1	10.2	15.2	F	Cervix cancer	180/C53
-	0.7	1.9	2.8	4.9	7.0	12.7	18.1	24.7	43.4	F	Other uterine cancer	179, 182/C54, C55
1.5	2.6	5.7	11.0	16.8	28.1	32.2	40.1	50.5	65.9	F	Ovarian cancer	183/C56, C570-C574
-	0.2	0.3	2.5	11.3	31.7	70.0	159.9	271.8	700.3	M	Prostate cancer	185/C61
0.4	0.5	2.6	4.7	9.1	14.1	24.2	51.5	96.0	183.3	M	Bladder cancer	188/C67
0.2	0.3	1.6	0.9	2.6	5.1	7.1	11.6	20.0	42.5	F		
7.8	13.4	20.3	40.0	61.9	109.5	171.4	233.4	333.3	470.1	M	Other and ill-defined cancer sites	Rest of 140-199/rest of C00-C80, C97
5.4	10.7	19.3	25.1	37.3	65.1	99.2	139.9	193.1	355.9	F		
0.3	-	0.3	0.2	1.4	1.4	0.7	2.9	2.8	5.1	M	Hodgkin's disease	201/C81
0.2	-	0.2	0.5	0.2	0.3	1.5	0.6	2.5	2.8	F		
1.9	3.0	5.9	9.4	16.8	24.0	44.5	62.6	90.4	135.7	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/C82-C90, C96
0.6	1.2	2.8	5.1	13.1	15.9	23.3	40.7	55.2	83.9	F		
1.2	2.2	3.4	2.4	7.9	14.6	18.0	38.4	57.1	93.2	M	Leukaemia	204-208/C91-C95
1.1	1.8	1.9	3.8	4.9	8.4	11.5	18.4	27.9	58.8	F		
0.9	4.0	4.8	12.8	21.8	30.3	44.2	77.7	123.1	272.0	M	Diabetes	250/E10-E14
1.2	1.0	3.5	4.2	12.1	18.4	32.8	58.5	116.9	345.4	F		
20.0	42.6	80.5	141.8	249.8	433.7	790.6	1433.0	2544.1	5535.0	M	ALL VASCULAR DISEASE	390-459/I00-I99
15.8	22.9	41.3	51.7	83.9	163.1	342.6	724.1	1393.5	4638.0	F		
-	-	-	-	0.2	-	0.3	0.4	1.7	1.3	M	Rheumatic heart disease and fever	390-398/I00-I09
-	-	-	-	0.5	-	-	0.6	-	0.8	F		
-	0.5	0.5	3.0	4.5	5.5	12.1	14.7	26.6	66.9	M	Hypertensive disease	401-405/I10-I15
-	0.3	0.5	0.9	3.5	3.2	8.3	15.5	30.9	87.0	F		
11.0	23.0	43.4	78.7	132.5	215.9	388.3	644.7	1066.6	1864.3	M	Ischaemic heart disease	410-414/I20-I25
4.0	5.9	15.2	16.4	28.4	65.4	131.4	284.0	475.5	1200.7	F		
0.6	0.8	1.5	0.8	2.0	4.7	6.9	15.9	29.4	63.0	M	Pulmonary embolism and other venous	415.1, 451-453/I26, I80-I82
2.3	2.3	1.2	1.6	2.6	4.1	7.1	11.3	28.7	57.2	F		
2.6	5.6	10.2	17.2	35.6	62.0	121.0	267.8	549.6	1330.5	M	Cerebrovascular disease	430-438/I60-I69
6.0	6.9	12.2	17.6	22.1	37.3	79.4	187.1	398.9	1413.0	F		
5.9	12.8	25.0	42.1	74.9	145.6	262.0	489.4	870.2	2209.0	M	Other vascular disease	Rest of 390-459/rest of I00-I99
3.5	7.4	12.0	15.3	26.8	53.2	116.4	225.5	459.5	1879.2	F		
0.9	1.3	2.4	5.6	18.6	44.4	97.8	277.2	559.1	1226.4	M	Chronic obstructive pulmonary disease	490-496/J40-J47, J67
0.5	1.5	3.4	8.5	15.2	26.5	60.8	112.8	160.1	367.1	F		
1.6	2.2	4.6	5.7	10.7	30.3	65.8	145.1	349.4	1311.9	M	Other respiratory disease	Rest of 460-519/rest of J00-J98
1.7	1.8	4.4	3.8	7.0	16.7	33.7	65.9	181.9	961.1	F		
-	0.2	0.3	0.7	0.9	3.6	3.3	9.0	19.4	47.6	M	Peptic ulcer	531-533/K25-K27
0.2	0.5	0.2	0.9	0.7	-	3.0	5.8	13.1	41.9	F		
2.2	7.0	9.5	12.8	14.7	18.2	21.6	19.6	22.2	18.6	M	Liver cirrhosis	571/K70, K74
1.1	3.3	3.5	9.1	6.8	8.1	10.0	12.6	9.8	12.7	F		
0.6	0.3	0.7	1.5	3.2	5.2	10.5	25.3	65.4	209.0	M	Renal disease	580-590/N00-N19
-	0.5	0.9	1.0	2.6	5.1	11.2	17.8	31.2	145.6	F		
0.6	0.2	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
0.9	1.3	1.4	1.3	2.5	1.7	2.9	2.9	2.2	1.9	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.5	1.8	1.4	2.4	3.7	2.4	2.4	2.6	1.5	1.4	F		
8.8	16.4	20.0	30.3	53.8	76.9	117.1	173.3	249.0	751.1	M	Ill-defined causes	780-799/R00-R99
5.2	7.4	14.4	16.4	23.5	29.2	49.3	77.5	154.3	781.5	F		
10.2	16.0	25.0	32.8	53.8	79.7	129.2	268.6	564.1	1816.7	M	Other medical causes	Rest of 001-799/rest of A00-R99
6.9	12.7	17.0	22.5	36.8	52.4	98.9	193.9	481.7	2272.5	F		
30.9	36.5	41.0	37.7	36.8	36.4	40.6	58.1	102.6	324.1	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
12.0	13.0	18.8	17.2	20.0	23.5	29.2	36.8	73.7	258.7	F		
7.0	6.2	7.4	6.9	8.4	6.1	10.5	15.1	21.1	31.5	M	Motor vehicle traffic accidents	E810-E819/part of V01-V99
2.3	2.1	2.1	3.0	3.5	3.5	5.6	7.8	9.1	5.3	F		
0.1	0.5	0.5	0.3	0.5	0.3	0.3	0.8	0.6	6.4	M	Fire	E890-E899/X00-X09
0.3	0.2	0.2	0.2	-	0.3	0.6	0.6	2.5	1.7	F		
13.8	19.3	20.7	17.5	15.7	16.0	13.7	15.9	19.4	38.6	M	Suicide	E950-E959/X60-X84
7.4	8.1	13.5	8.4	10.7	11.1	8.3	10.0	6.9	8.4	F		
3.1	2.9	2.1	1.7	0.9	0.6	-	-	1.7	0.6	M	Homicide	E960-E969/X85-X99, Y00-Y09
0.8	0.5	0.7	0.9	0.7	-	0.6	0.6	1.1	0.3	F		
683.4	626.6	581.1	594.4	440.7	362.7	305.7	244.6	180.3	155.5	M	POPULATION	
650.8	606.6	564.4	574.0	429.0	370.3	338.6	309.5	275.5	355.2	F	(1000s; UN, 2002 revision)	

NETHERLANDS: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2609	254	11	6	237	12	37	136	13	1187	970
35-69	Sm.	7883	4016	2834	412	770	499	92	2254	-	1022	-
	Total	22018 (36%)	8333 (48%)	3047 (93%)	634 (65%)	4652 (17%)	625 (80%)	321 (29%)	7729 (29%)	322	3442 (30%)	1246
70+	Sm.	12813	5346	3620	372	1354	2878	385	3014	-	1190	-
	Total	43609 (29%)	11848 (45%)	3862 (94%)	541 (69%)	7445 (18%)	3576 (80%)	2399 (16%)	17654 (17%)	122	7193 (17%)	817
Any age	Sm.	20696	9362	6454	784	2124	3377	477	5268	-	2212	-
	Total	68236 (30%)	20435 (46%)	6920 (93%)	1181 (66%)	12334 (17%)	4213 (80%)	2757 (17%)	25519 (21%)	457	11822 (19%)	3033
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2299	240	7	7	226	12	31	133	3	1008	872
35-69	Sm.	6740	3577	2439	479	659	455	107	1677	-	924	-
	Total	21653 (31%)	8396 (43%)	2675 (91%)	809 (59%)	4912 (13%)	603 (75%)	444 (24%)	6806 (25%)	387	3697 (25%)	1320
70+	Sm.	12019	5036	3356	408	1272	2812	431	2498	-	1242	-
	Total	44821 (27%)	12082 (42%)	3615 (93%)	621 (66%)	7846 (16%)	3593 (78%)	3025 (14%)	16699 (15%)	117	8474 (15%)	831
Any age	Sm.	18759	8613	5795	887	1931	3267	538	4175	-	2166	-
	Total	68773 (27%)	20718 (42%)	6297 (92%)	1437 (62%)	12984 (15%)	4208 (78%)	3500 (15%)	23638 (18%)	507	13179 (16%)	3023

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	7645.3	3829.6	3282.5	625.1	584.6	605.3	455.6	385.2	338.0	288.7	237.7	151.1	144.4
2000	7879.1	3704.1	3594.6	683.4	626.6	581.1	594.4	440.7	362.7	305.7	244.6	180.3	155.5
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	68236	2609	22018	775	1134	1794	2243	3281	5203	7588	10376	11069	22164
2000	68773	2299	21653	682	1126	1669	2748	3554	4777	7097	9651	12157	23013
Lung cancer													
1995	6920	11	3047	24	53	169	284	482	852	1183	1401	1156	1305
2000	6297	7	2675	18	55	125	281	478	628	1090	1210	1226	1179
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	929.2*	66.4*	875.2*	124.0	194.0	296.4	492.3	851.8	1539.3	2628.3	4365.2	7325.6	15349.0
2000	859.9*	61.6*	782.0*	99.8	179.7	287.2	462.3	806.4	1317.1	2321.6	3945.6	6742.7	14799.4
All cancer													
1995	279.6*	6.2*	339.4*	20.8	43.1	96.3	186.6	347.9	659.5	1021.5	1535.5	2197.9	3377.4
2000	259.0*	6.1*	311.9*	19.3	44.4	89.5	172.6	332.4	548.7	976.4	1412.9	2077.6	3138.3
Lung cancer													
1995	94.9*	0.2*	127.2*	3.8	9.1	27.9	62.3	125.1	252.1	409.8	589.4	765.1	903.7
2000	78.7*	0.1*	102.6*	2.6	8.8	21.5	47.3	108.5	173.1	356.6	494.7	680.0	758.2
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	16.2*	0.1*	24.6*	1.6	4.4	11.2	21.3	28.8	39.9	64.8	82.0	117.1	117.0
2000	18.1*	0.2*	28.5*	1.3	4.3	11.5	23.6	38.1	50.7	70.0	85.4	113.7	133.1
Other cancer													
1995	168.5*	5.9*	187.6*	15.4	29.6	57.2	102.9	193.9	367.5	546.9	864.1	1315.7	2356.6
2000	162.2*	5.8*	180.8*	15.4	31.3	56.4	101.8	185.8	324.8	549.9	832.8	1284.0	2246.9
Chronic obstructive pulmonary disease (COPD)													
1995	57.1*	0.3*	28.3*	0.5	0.5	1.2	5.9	17.1	41.4	131.3	319.7	604.2	1317.9
2000	52.1*	0.3*	24.4*	0.9	1.3	2.4	5.6	18.6	44.4	97.8	277.2	559.1	1226.4
Other respiratory disease													
1995	37.6*	0.9*	13.4*	1.1	2.7	3.1	5.3	10.9	20.1	50.2	127.9	285.2	1152.4
2000	43.8*	0.9*	17.3*	1.6	2.2	4.6	5.7	10.7	30.3	65.8	145.1	349.4	1311.9
Vascular disease													
1995	347.8*	3.1*	316.4*	22.4	53.4	88.6	159.8	287.4	562.4	1040.9	1748.4	3021.8	6185.6
2000	294.5*	3.4*	251.3*	20.0	42.6	80.5	141.8	249.8	433.7	790.6	1433.0	2544.1	5535.0
Liver cirrhosis													
1995	6.2*	0.3*	11.4*	3.0	3.9	8.4	11.9	16.6	16.6	19.1	24.8	18.5	24.2
2000	6.3*	0.1*	12.3*	2.2	7.0	9.5	12.8	14.7	18.2	21.6	19.6	22.2	18.6
Other medical causes													
1995	161.6*	31.6*	127.6*	39.2	51.0	63.9	90.9	133.7	197.0	317.6	543.5	1088.0	2948.1
2000	166.7*	27.8*	127.7*	24.9	45.6	59.7	86.1	143.4	205.4	328.8	599.8	1087.6	3245.0
All non-medical causes													
1995	39.1*	23.8*	38.8*	37.0	39.3	34.9	32.0	38.2	42.3	47.8	65.2	109.9	343.5
2000	37.5*	23.1*	37.1*	30.9	36.5	41.0	37.7	36.8	36.4	40.6	58.1	102.6	324.1

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: NETHERLANDS

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1523	236	7	1	228	5	32	104	6	804	336
35-69	Sm.	2231	997	780	83	134	240	31	576	-	387	-
	Total	12971 (17%)	6301 (16%)	1029 (76%)	185 (45%)	5087 (3%)	378 (63%)	176 (18%)	3240 (18%)	187	2129 (18%)	560
70+	Sm.	2893	650	437	92	121	844	110	817	-	472	-
	Total	52945 (5%)	9517 (7%)	695 (63%)	304 (30%)	8518 (1%)	1727 (49%)	3356 (3%)	23235 (4%)	132	13734 (3%)	1244
Any age	Sm.	5124	1647	1217	175	255	1084	141	1393	-	859	-
	Total	67439 (8%)	16054 (10%)	1731 (70%)	490 (36%)	13833 (2%)	2110 (51%)	3564 (4%)	26579 (5%)	325	16667 (5%)	2140
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1416	226	4	2	220	7	25	103	0	779	276
35-69	Sm.	2808	1330	1041	120	169	306	58	616	-	498	-
	Total	13399 (21%)	6666 (20%)	1307 (80%)	237 (51%)	5122 (3%)	449 (68%)	275 (21%)	2896 (21%)	192	2287 (22%)	634
70+	Sm.	4158	974	674	126	174	1183	179	1070	-	752	-
	Total	56939 (7%)	10136 (10%)	951 (71%)	334 (38%)	8851 (2%)	2094 (56%)	4119 (4%)	22554 (5%)	111	16689 (5%)	1236
Any age	Sm.	6966	2304	1715	246	343	1489	237	1686	-	1250	-
	Total	71754 (10%)	17028 (14%)	2262 (76%)	573 (43%)	14193 (2%)	2550 (58%)	4419 (5%)	25553 (7%)	303	19755 (6%)	2146

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	7814.7	3667.0	3257.6	604.2	565.3	579.6	436.4	381.2	355.4	335.5	316.6	239.2	334.3
2000	8018.5	3544.6	3533.7	650.8	606.6	564.4	574.0	429.0	370.3	338.6	309.5	275.5	355.2
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	67439	1523	12971	525	765	1216	1397	1863	2833	4372	6502	8973	37470
2000	71754	1416	13399	510	809	1313	1804	2105	2748	4110	6307	9949	40683
Lung cancer													
1995	1731	7	1029	32	59	107	123	166	240	302	244	219	232
2000	2262	4	1307	20	67	155	195	231	290	349	352	298	301
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	555.9*	40.8*	477.3*	86.9	135.3	209.8	320.1	488.7	797.1	1303.1	2053.7	3751.3	11208.5
2000	551.3*	39.8*	457.9*	78.4	133.4	232.6	314.3	490.7	742.1	1213.8	2037.8	3611.3	11453.5
All cancer													
1995	158.2*	6.0*	229.7*	38.4	63.2	112.1	181.7	272.0	390.3	549.9	672.5	926.4	1547.1
2000	157.3*	5.9*	225.5*	30.1	65.3	121.2	174.2	273.2	385.9	528.4	707.9	944.8	1503.9
Lung cancer													
1995	19.6*	0.2*	37.6*	5.3	10.4	18.5	28.2	43.5	67.5	90.0	77.1	91.6	69.4
2000	23.9*	0.1*	44.4*	3.1	11.0	27.5	34.0	53.8	78.3	103.1	113.7	108.2	84.7
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	4.8*	0.0*	6.8*	0.3	1.8	3.5	7.1	7.1	13.2	14.3	20.5	28.0	51.5
2000	5.4*	0.1*	8.3*	0.2	1.3	3.4	5.9	11.4	15.4	20.4	23.6	29.4	50.7
Other cancer													
1995	133.8*	5.8*	185.3*	32.8	50.9	90.2	146.4	221.4	309.5	445.6	574.9	806.9	1426.3
2000	128.1*	5.7*	172.8*	26.9	52.9	90.4	134.3	207.9	292.2	404.9	570.6	807.3	1368.5
Chronic obstructive pulmonary disease (COPD)													
1995	17.2*	0.1*	14.8*	0.2	2.1	3.5	4.8	13.6	22.8	56.9	94.4	139.2	327.6
2000	19.7*	0.2*	16.6*	0.5	1.5	3.4	8.5	15.2	26.5	60.8	112.8	160.1	367.1
Other respiratory disease													
1995	24.2*	0.9*	6.8*	1.0	0.5	2.2	2.3	3.7	12.1	25.9	53.7	143.8	850.1
2000	28.6*	0.7*	9.9*	1.7	1.8	4.4	3.8	7.0	16.7	33.7	65.9	181.9	961.1
Vascular disease													
1995	201.2*	2.5*	123.7*	14.2	24.6	39.9	57.1	95.8	213.3	420.9	790.6	1667.2	5008.7
2000	179.8*	2.6*	103.1*	15.8	22.9	41.3	51.7	83.9	163.1	342.6	724.1	1393.5	4638.0
Liver cirrhosis													
1995	3.6*	0.1*	6.4*	2.3	3.5	4.5	7.6	6.6	8.2	11.9	15.2	11.3	17.1
2000	3.2*	-	6.0*	1.1	3.3	3.5	9.1	6.8	8.1	10.0	12.6	9.8	12.7
Other medical causes													
1995	131.4*	22.5*	77.8*	17.4	26.2	35.4	45.8	80.3	129.2	210.4	387.2	796.8	3171.4
2000	143.3*	22.6*	77.8*	17.2	25.6	40.0	49.7	84.6	118.3	209.1	377.7	847.5	3712.0
All non-medical causes													
1995	20.0*	8.7*	18.1*	13.4	15.2	12.2	20.9	16.8	21.4	27.1	40.1	66.5	286.6
2000	19.4*	7.7*	19.1*	12.0	13.0	18.8	17.2	20.0	23.5	29.2	36.8	73.7	258.7

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

NETHERLANDS: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 2.3	– / 1.4	–
35–69	6.7 / 22	2.8 / 13	23 years
70+	12 / 45	4.2 / 57	8 years
All ages	19 / 69	7.0 / 72	13 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

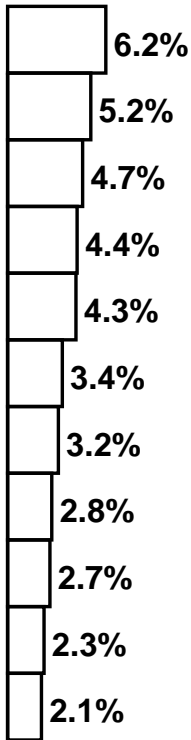
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	2.4/2.7	3.4/3.6	5.8/6.3	–/0.0	1.0/1.3	0.7/1.0	1.7/2.3
All Cancer	–/0.2	3.6/8.4 (43%)	5.0/12 (42%)	8.6/21	–/0.2	1.3/6.7 (20%)	1.0/10 (10%)	2.3/17
Vascular	–/0.1	1.7/6.8	2.5/17	4.2/24	–/0.1	0.6/2.9	1.1/23	1.7/26
Respiratory	–/0.0	0.6/1.0	3.2/6.6	3.8/7.7	–/0.0	0.4/0.7	1.4/6.2	1.7/7.0
All Other	–/1.9	0.9/5.4	1.2/9.4	2.2/17	–/1.1	0.5/3.1	0.8/18	1.3/22
All Causes	–/2.3	6.7/22 (31%)	12/45 (27%)	19/69	–/1.4	2.8/13 (21%)	4.2/57 (7%)	7.0/72

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	8.6 / 21 (42%)	2.3 / 17 (14%)	11 / 38 (29%)
All Causes	19 / 69 (27%)	7.0 / 72 (10%)	26 / 141 (18%)

1950-2000: NETHERLANDS

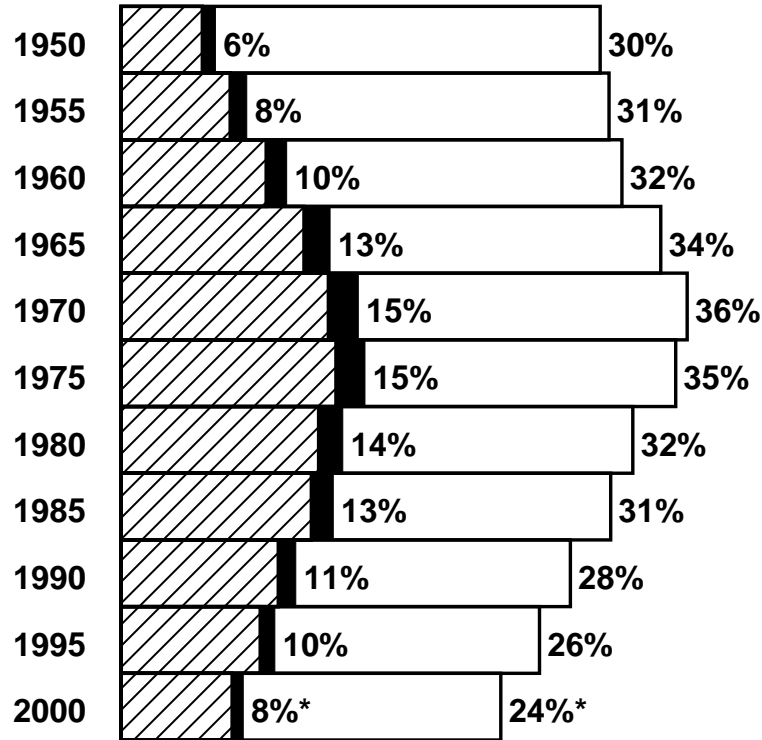
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

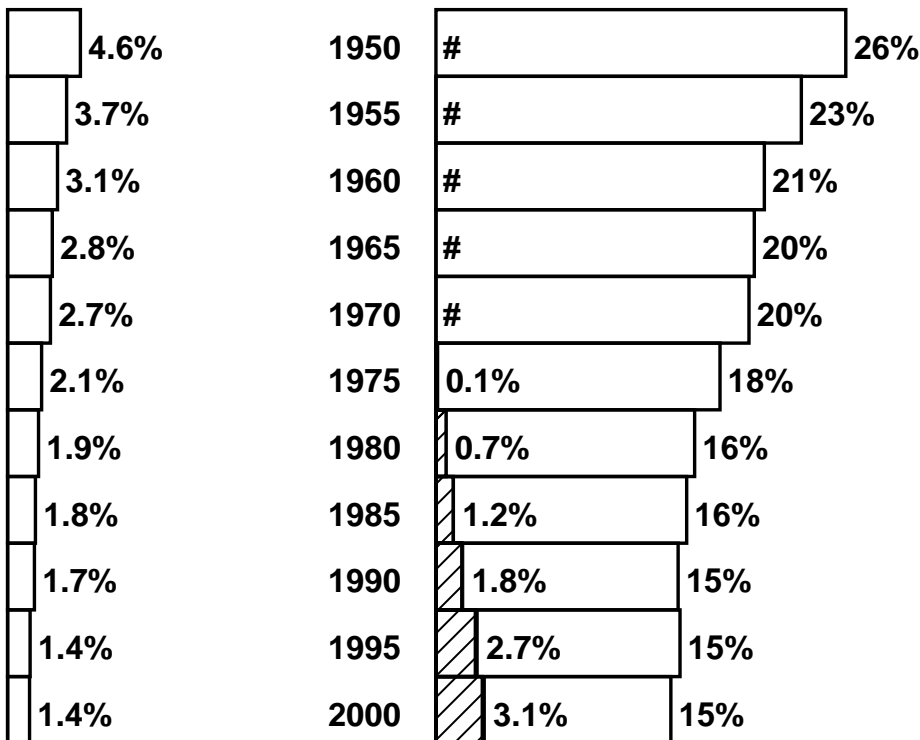
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 24 would die before age 70 (with 8 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

NETHERLANDS: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	-/6.6	3.0/14 (22%)	0.9/18 (5%)	3.9/39	-/4.7	0.0/12	0.0/20	0.0/37
1955	-/5.4	4.3/16 (27%)	1.5/22 (7%)	5.8/43	-/3.7	0.0/12	0.0/22	0.0/38
1960	-/5.0	6.0/18 (34%)	2.6/25 (10%)	8.6/47	-/3.3	0.0/12	0.0/25	0.0/40
1965	-/4.9	8.2/21 (39%)	4.3/29 (15%)	12/54	-/3.1	0.0/13	0.0/28	0.0/44
1970	-/5.0	9.9/24 (42%)	6.7/32 (21%)	17/61	-/3.0	0.0/13	0.0/32	0.0/49
1975	-/3.9	10/24 (44%)	9.2/36 (26%)	20/64	-/2.3	0.1/13 (0.7%)	0.0/35	0.1/50
1980	-/3.6	9.8/23 (43%)	11/37 (31%)	21/63	-/2.0	0.5/12 (4%)	0.2/37 (0.7%)	0.8/51
1985	-/3.1	9.8/23 (43%)	13/40 (32%)	23/66	-/1.8	0.9/12 (8%)	0.7/43 (2%)	1.6/57
1990	-/3.0	8.6/22 (38%)	13/41 (32%)	22/67	-/1.8	1.4/12 (11%)	1.3/48 (3%)	2.7/62
1995	-/2.6	7.9/22 (36%)	13/44 (29%)	21/68	-/1.5	2.2/13 (17%)	2.9/53 (5%)	5.1/67
2000	-/2.3	6.7/22 (31%)	12/45 (27%)	19/69	-/1.4	2.8/13 (21%)	4.2/57 (7%)	7.0/72

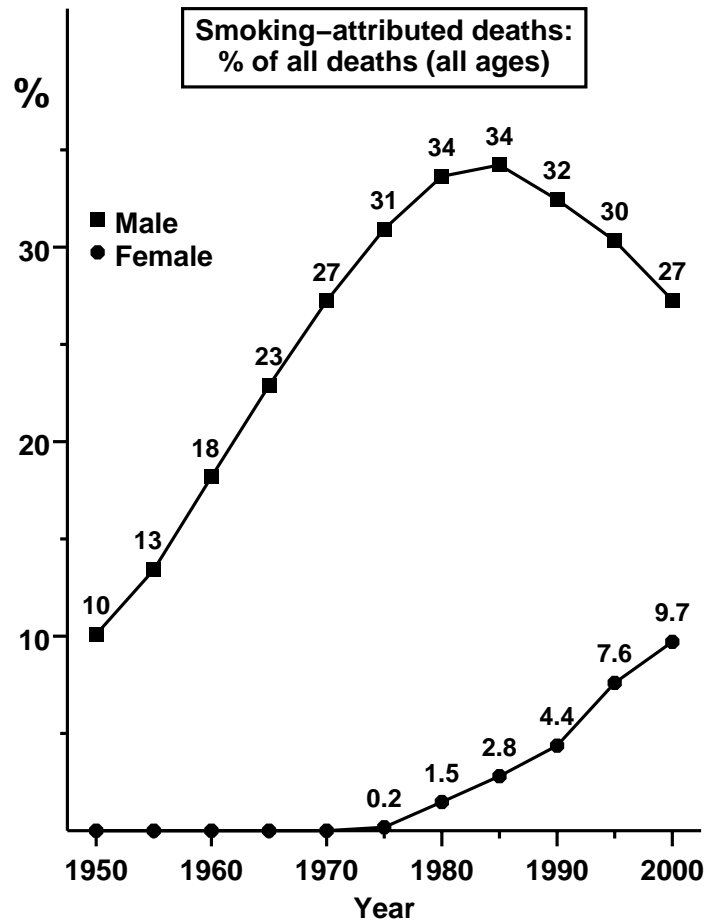
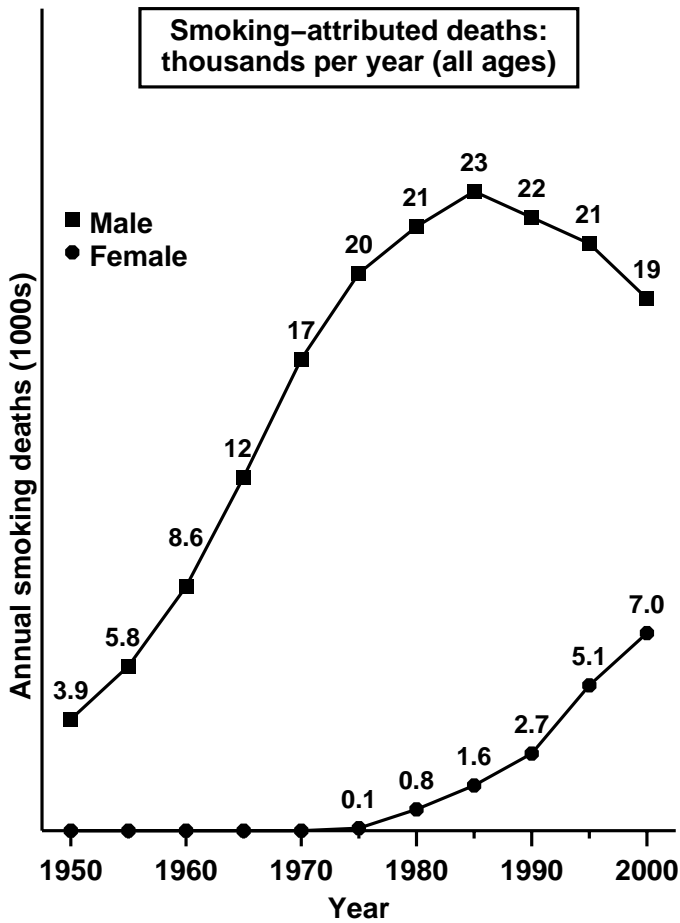
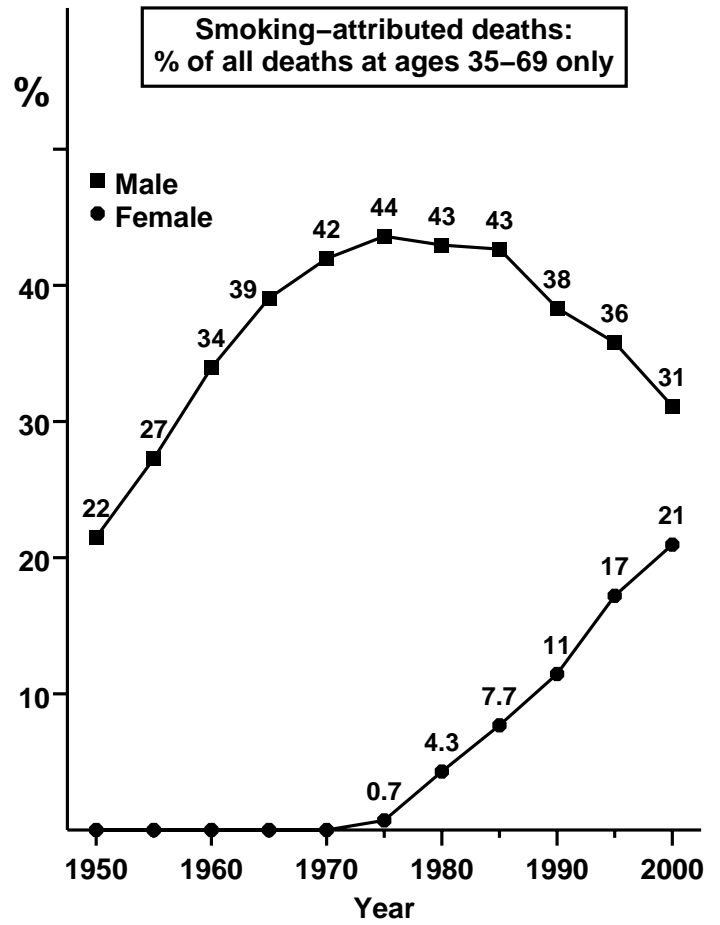
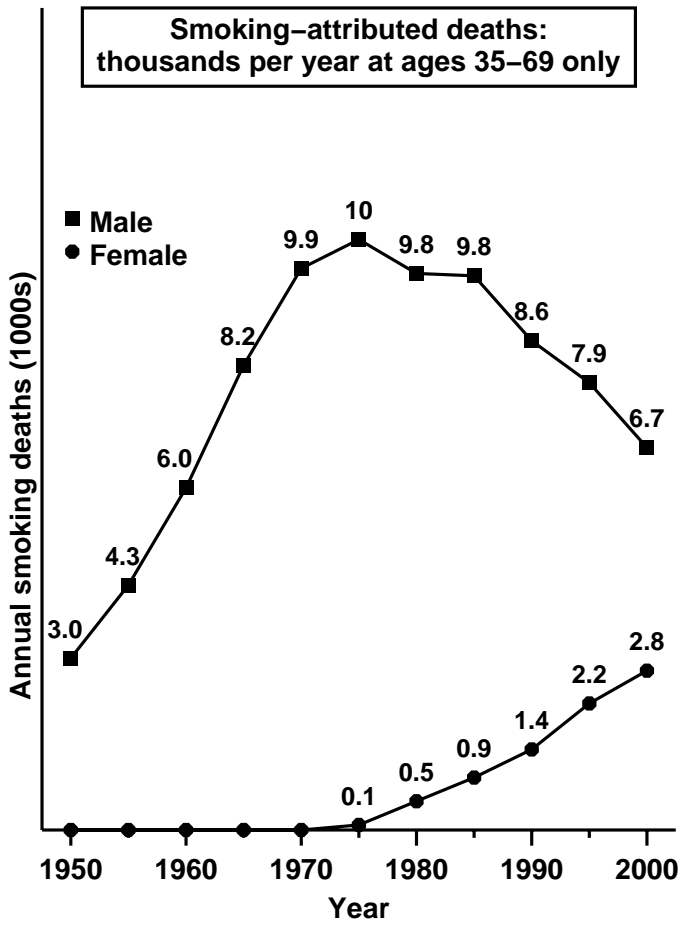
50-year total* (thousands), mid-1950 to mid-2000: 880 / 5515

1950-2000 by age & sex:

-/199	406/1056 (38%)	406/1698 (24%)	812/2954	-/123	32/621 (5%)	36/1817 (2%)	68/2562
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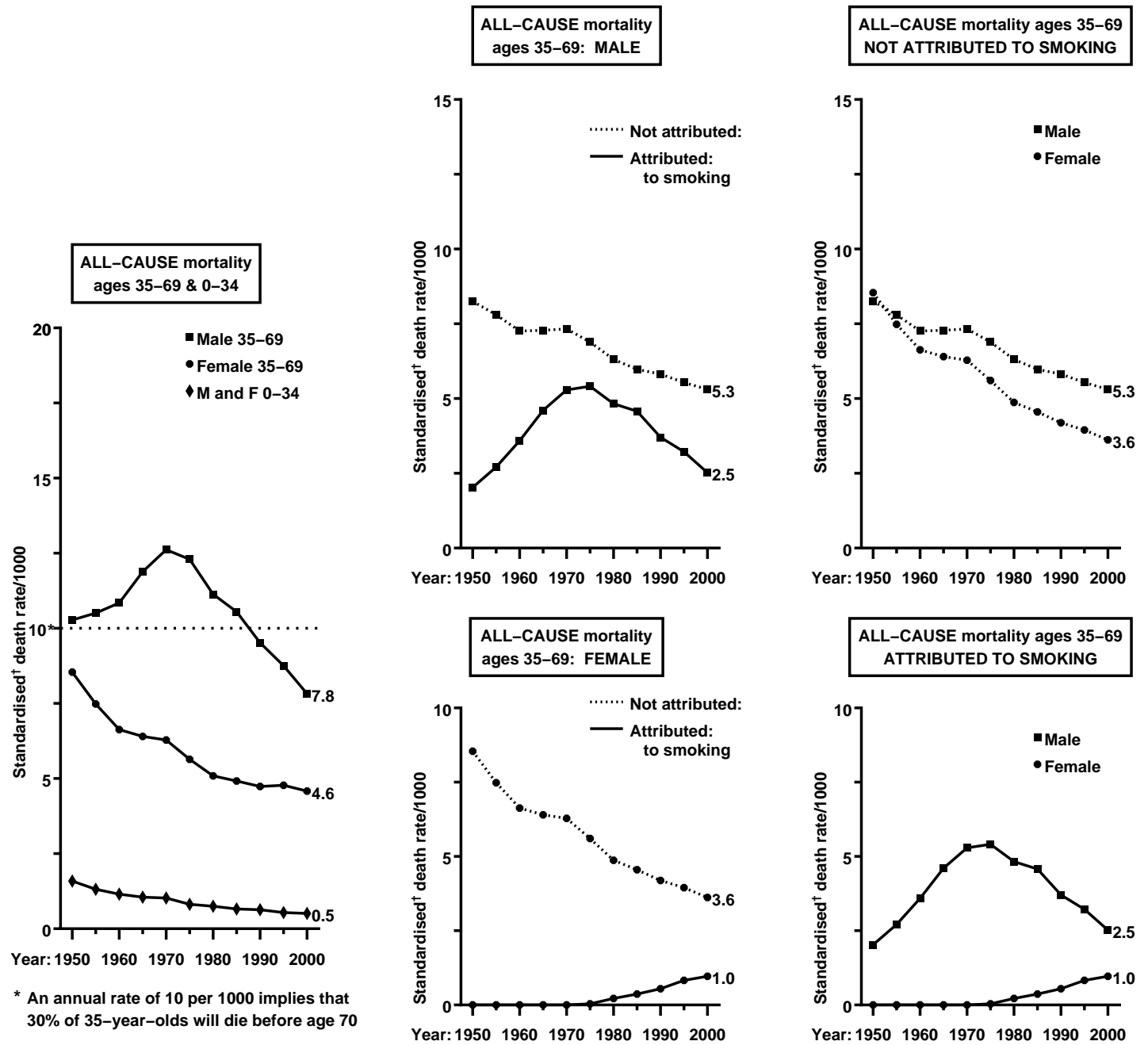
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1950-2000: NETHERLANDS



NETHERLANDS: 1950-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



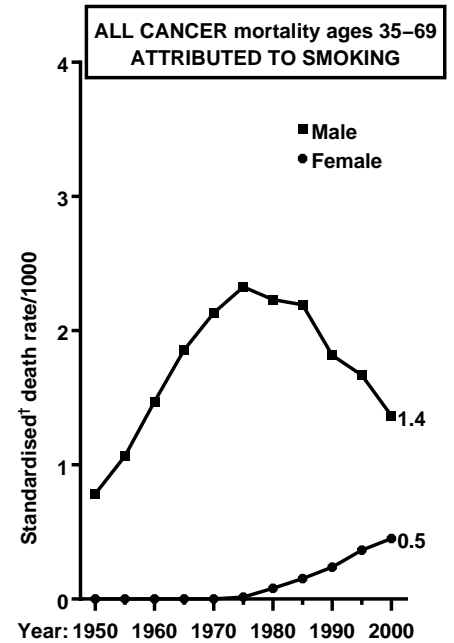
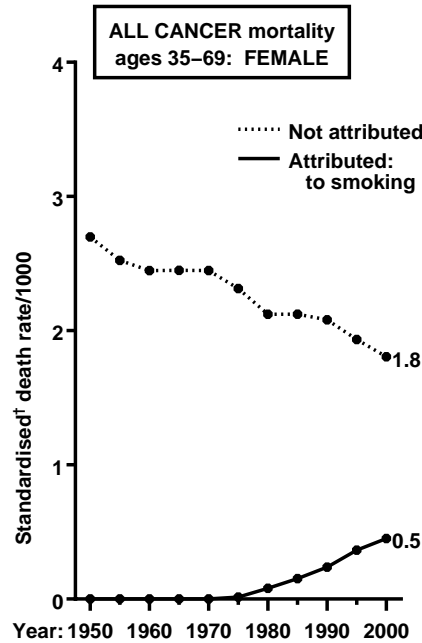
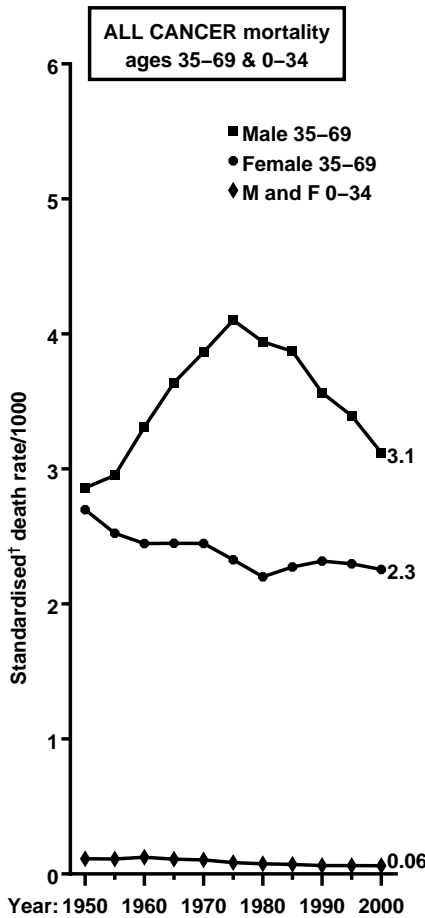
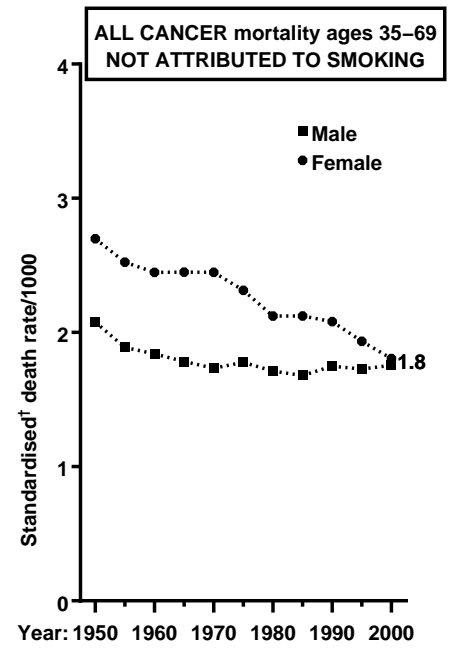
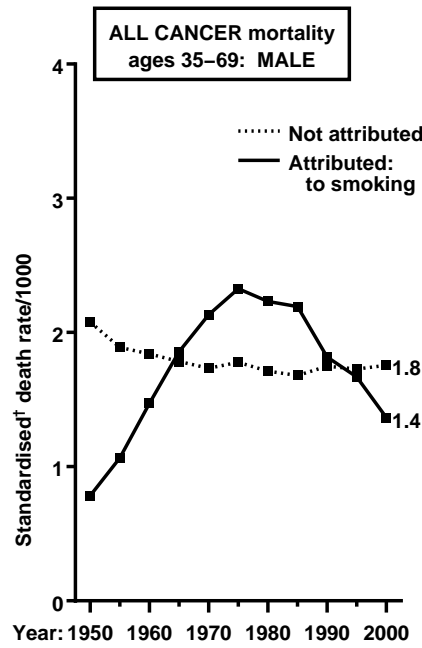
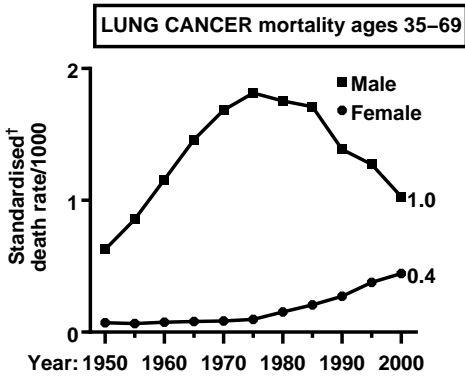
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	Attributed to smoking?	0-34		35-69		70-79		Yes	No	Yes	No	Yes	No	Yes	No			
		Yes	No	Yes	No	Yes	No											
1950	-	1.83	2.03	8.25	3.55	59.4	-	1.34	0.00	8.54	0.00	59.9	-	1.08	0.00	7.48	0.00	55.1
1955	-	1.54	2.71	7.80	4.94	58.7	-	0.91	0.00	6.63	0.00	50.9	-	0.82	0.00	6.40	0.00	47.5
1960	-	1.38	3.59	7.26	7.62	52.9	-	0.78	0.00	6.28	0.00	44.5	-	0.62	0.04	5.60	0.00	40.7
1965	-	1.28	4.60	7.28	11.2	52.5	-	0.56	0.22	4.87	0.23	33.8	-	0.51	0.36	4.55	0.70	31.2
1970	-	1.26	5.29	7.33	16.5	50.9	-	0.49	0.54	4.19	1.21	28.6	-	0.41	0.83	3.95	2.14	26.9
1975	-	1.00	5.41	6.89	20.0	46.8	-	0.40	0.96	3.62	3.05	25.2	-	0.40	0.96	3.62	3.05	25.2
1980	-	0.93	4.82	6.31	23.2	42.7	-						-					
1985	-	0.81	4.57	5.98	23.1	41.9	-						-					
1990	-	0.77	3.70	5.81	21.6	39.8	-						-					
1995	-	0.66	3.22	5.53	18.9	39.5	-						-					
2000	-	0.62	2.52	5.30	16.0	37.4	-						-					

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: NETHERLANDS

Trends in ALL CANCER mortality attributed and not attributed to smoking



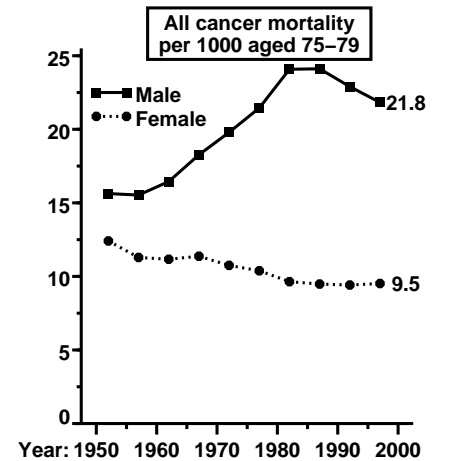
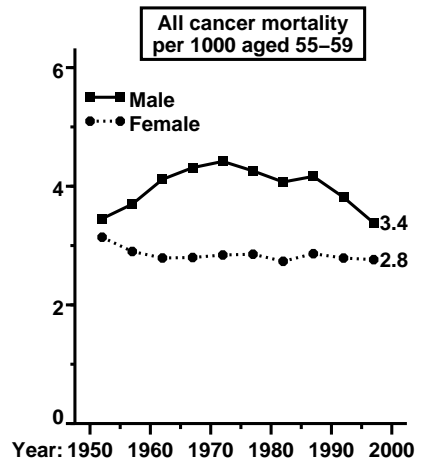
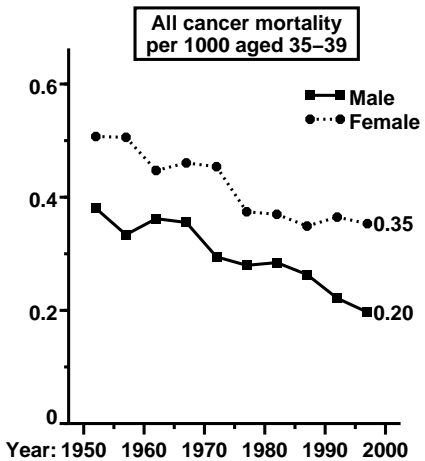
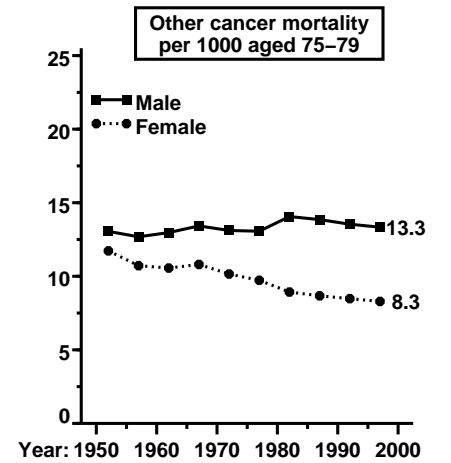
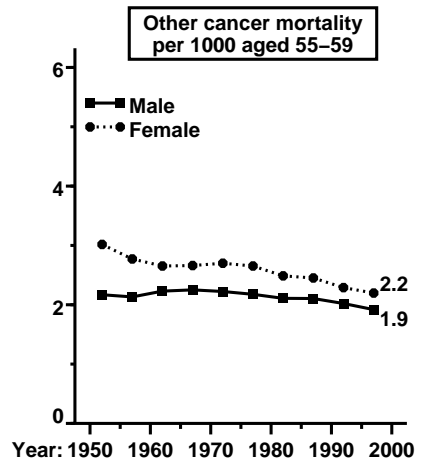
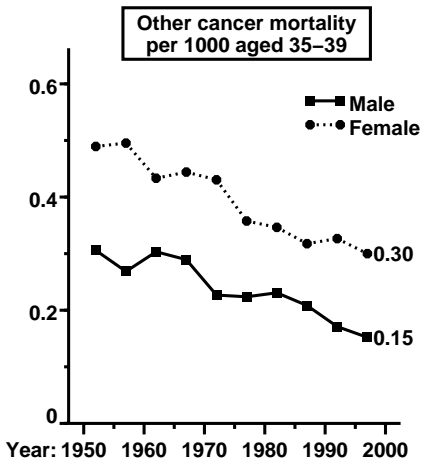
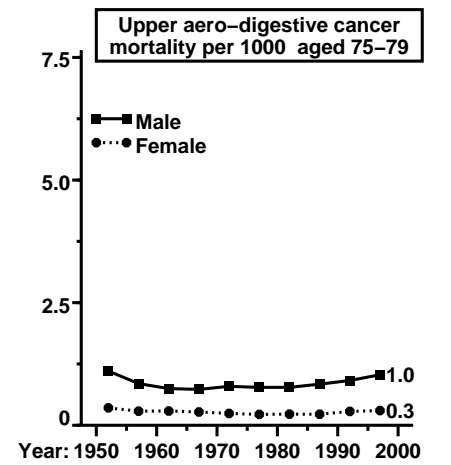
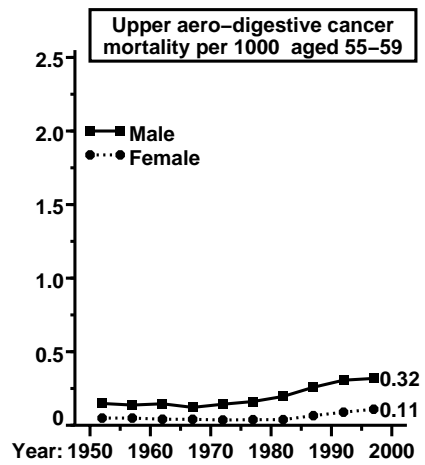
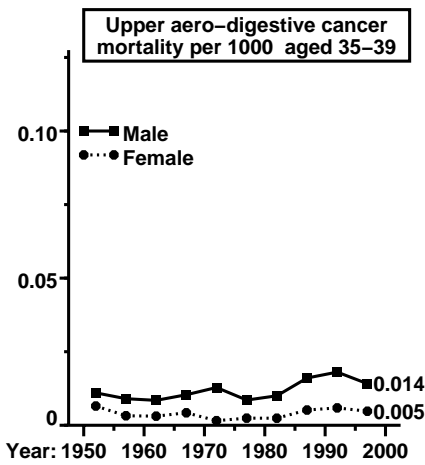
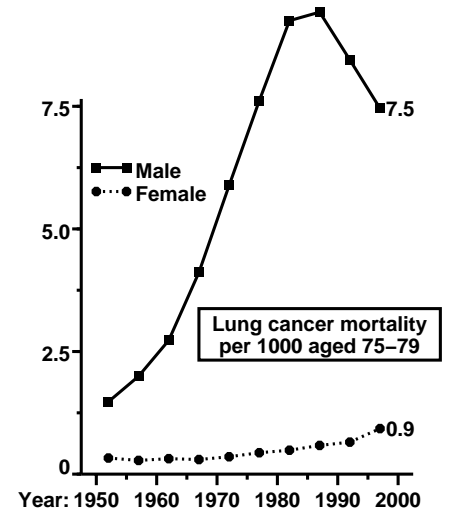
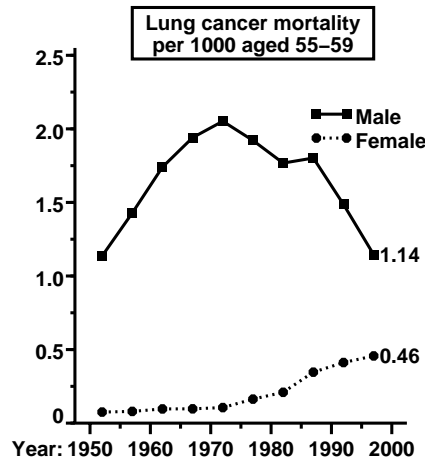
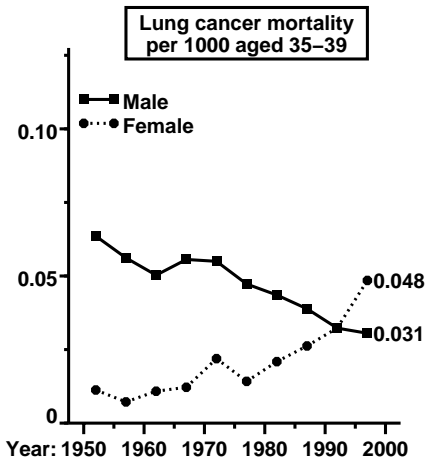
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)									
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	-	0.12	0.78	2.08	1.46	12.1	-	0.11	0.00	2.70	0.00	11.0	-	0.10	0.00	2.52	0.00	10.0
1955	-	0.12	1.06	1.89	2.03	11.4	-	0.11	0.00	2.45	0.00	9.54	-	0.11	0.00	2.45	0.00	9.65
1960	-	0.14	1.47	1.84	3.19	10.6	-	0.11	0.00	2.45	0.00	9.12	-	0.11	0.01	2.31	0.00	9.27
1965	-	0.11	1.86	1.78	4.78	10.7	-	0.08	0.08	2.12	0.07	8.25	-	0.07	0.15	2.12	0.22	8.08
1970	-	0.11	2.13	1.73	6.91	9.82	-	0.06	0.24	2.08	0.38	7.76	-	0.06	0.36	1.93	0.71	7.28
1975	-	0.09	2.33	1.78	8.69	9.83	-	0.06	0.45	1.80	1.05	7.21	-	0.06	0.45	1.80	1.05	7.21
1980	-	0.08	2.23	1.71	11.1	9.74	-	0.06	0.45	1.80	1.05	7.21	-	0.06	0.45	1.80	1.05	7.21
1985	-	0.08	2.19	1.68	10.9	9.38	-	0.06	0.45	1.80	1.05	7.21	-	0.06	0.45	1.80	1.05	7.21
1990	-	0.06	1.82	1.75	10.2	9.73	-	0.06	0.45	1.80	1.05	7.21	-	0.06	0.45	1.80	1.05	7.21
1995	-	0.06	1.67	1.73	9.01	9.65	-	0.06	0.45	1.80	1.05	7.21	-	0.06	0.45	1.80	1.05	7.21
2000	-	0.06	1.36	1.75	7.81	9.65	-	0.06	0.45	1.80	1.05	7.21	-	0.06	0.45	1.80	1.05	7.21

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

NETHERLANDS: 1950-2000

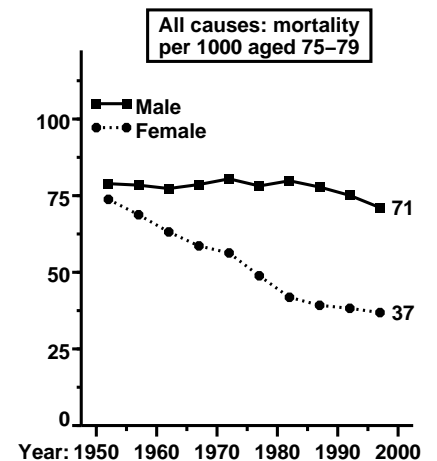
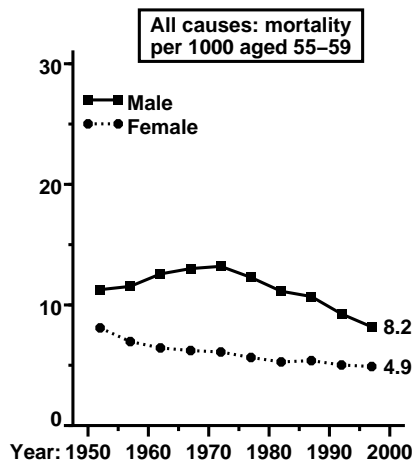
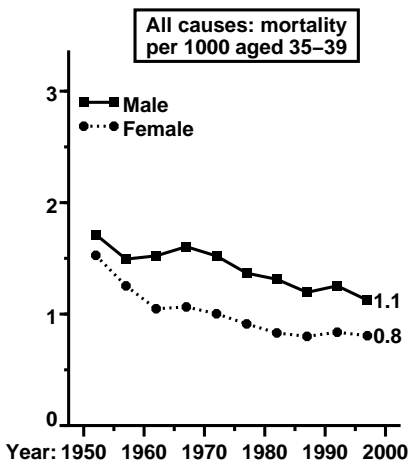
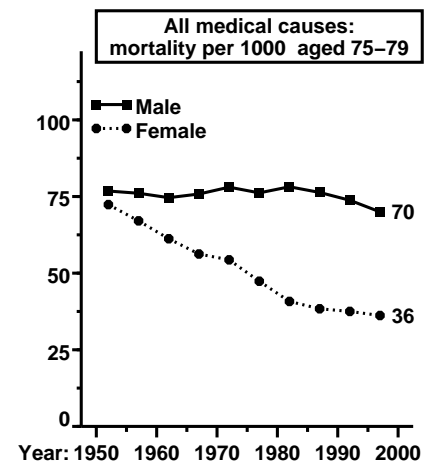
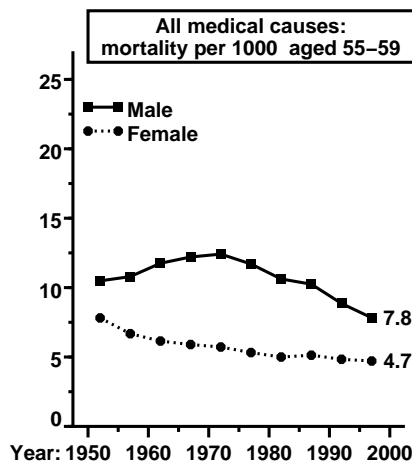
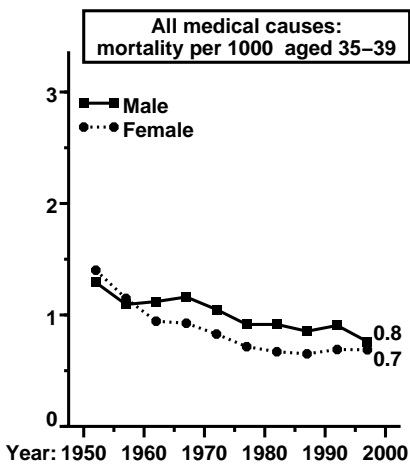
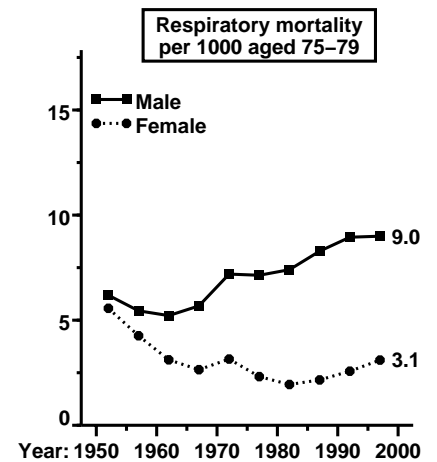
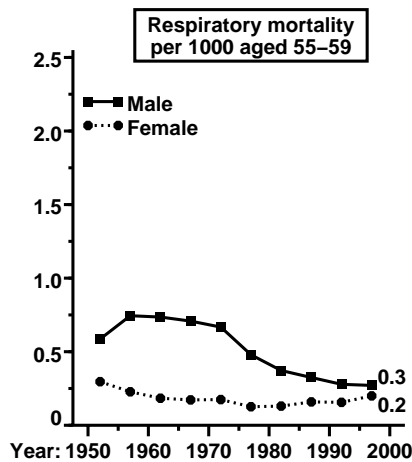
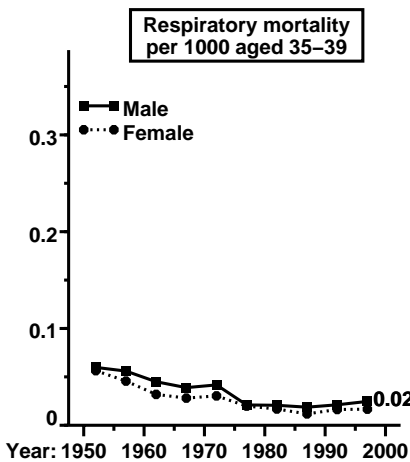
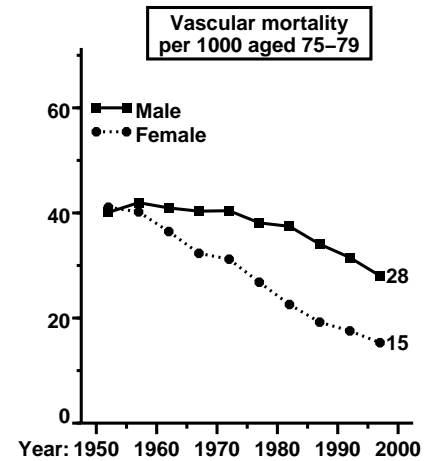
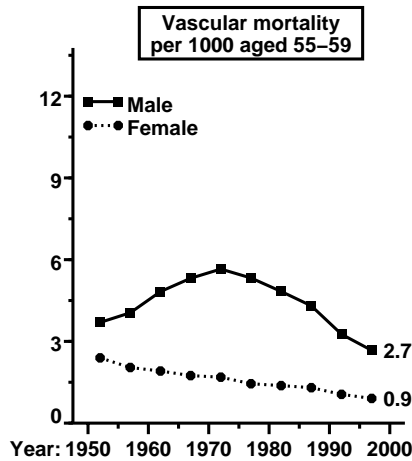
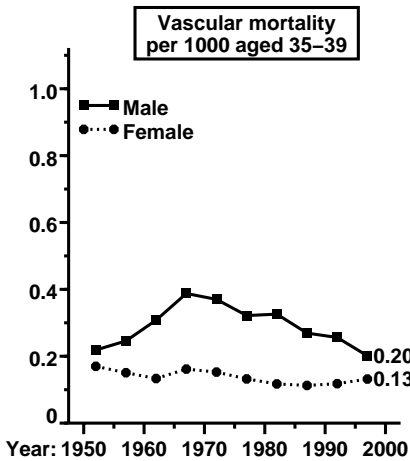
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 338-339

1950-2000: NETHERLANDS

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 338-339

NEW ZEALAND: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	13813	960	4198	772.2	101.5	727.8	179.9	16.2	29.7	86.6	120.1	134.0	144.1
	F	12905	483	2834	512.2	51.1	474.6	141.7	19.2	12.0	37.5	35.9	56.0	55.5
Tuberculosis	M	13	1	3	0.7	0.1	0.5	-	-	-	-	-	-	0.8
	F	12	-	1	0.4	-	0.1	-	-	-	-	-	-	-
HIV	M	19	7	12	1.0	0.8	1.3	-	-	-	-	-	0.8	4.5
	F	3	-	3	0.2	-	0.4	-	-	-	-	-	-	-
Other infective and parasitic	M	67	10	22	3.8	1.0	3.5	4.2	0.6	-	0.7	0.8	-	0.8
	F	59	10	19	2.8	1.0	3.2	4.5	-	0.7	0.8	-	-	1.4
ALL CANCER	M	4120	66	1574	233.9	6.9	282.9	6.3	3.9	4.7	5.8	7.1	6.3	14.3
	F	3500	69	1425	161.6	7.2	235.9	2.2	4.8	2.8	6.1	5.8	9.1	19.2
Mouth and pharynx cancer	M	98	-	56	5.8	-	10.2	-	-	-	-	-	-	-
	F	35	2	8	1.5	0.2	1.4	-	-	0.7	-	-	-	0.7
Oesophagus cancer	M	127	-	52	7.3	-	9.5	-	-	-	-	-	-	-
	F	60	-	10	2.3	-	1.9	-	-	-	-	-	-	-
Stomach cancer	M	186	1	71	10.5	0.1	12.4	-	-	-	-	-	-	0.8
	F	123	3	39	5.3	0.3	6.2	-	-	-	-	-	0.8	1.4
Colorectal cancer	M	571	3	223	32.7	0.3	42.3	-	-	-	-	-	0.8	1.5
	F	563	2	197	25.3	0.2	35.3	-	-	-	-	-	-	1.4
Liver cancer	M	80	3	47	4.7	0.3	8.1	-	-	-	0.7	-	0.8	0.8
	F	23	1	11	1.2	0.1	1.9	-	-	-	-	0.8	-	-
Pancreas cancer	M	168	-	74	9.6	-	13.0	-	-	-	-	-	-	-
	F	144	-	51	6.3	-	9.4	-	-	-	-	-	-	-
Larynx cancer	M	29	-	16	1.7	-	2.8	-	-	-	-	-	-	-
	F	2	-	2	0.1	-	0.3	-	-	-	-	-	-	-
Lung cancer	M	860	-	363	49.2	-	66.4	-	-	-	-	-	-	-
	F	546	2	239	26.3	0.2	42.4	-	-	-	-	0.8	-	0.7
Malignant melanoma	M	155	7	78	8.9	0.8	12.9	-	-	-	-	1.6	0.8	3.0
	F	98	4	50	4.8	0.4	7.9	-	-	-	0.8	0.8	-	1.4
Female breast cancer	F	622	14	338	30.3	1.4	49.9	-	-	-	-	-	3.0	6.8
Cervix cancer	F	66	4	44	3.4	0.4	6.3	-	-	-	-	0.8	-	2.1
Other uterine cancer	F	91	1	43	4.5	0.1	7.4	-	-	-	-	-	-	0.7
Ovarian cancer	F	183	1	88	9.1	0.1	14.1	-	-	-	-	-	-	0.7
Prostate cancer	M	594	-	107	32.8	-	22.0	-	-	-	-	-	-	-
Bladder cancer	M	103	-	26	5.8	-	5.4	-	-	-	-	-	-	-
	F	56	-	8	2.1	-	1.6	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	732	34	313	41.5	3.5	52.3	4.9	2.6	2.7	2.9	3.2	1.6	6.8
	F	630	28	211	27.7	2.9	35.1	2.2	4.1	2.1	4.6	2.5	3.0	2.1
Hodgkin's disease	M	5	1	2	0.3	0.1	0.3	-	-	-	-	-	0.8	-
	F	3	-	-	0.1	-	-	-	-	-	-	-	-	-
Myeloma and non- Hodgkin lymphomas	M	247	3	86	13.9	0.3	14.6	-	-	-	-	0.8	-	1.5
	F	160	3	52	7.1	0.3	9.3	-	-	-	-	-	1.5	0.7
Leukaemia	M	165	14	60	9.3	1.4	10.7	1.4	1.3	2.0	2.2	1.6	1.6	-
	F	95	4	34	4.3	0.4	5.4	-	0.7	-	0.8	-	0.8	0.7
Diabetes	M	408	3	142	23.2	0.3	25.4	-	-	-	-	-	2.4	-
	F	394	4	103	16.3	0.4	18.1	-	-	-	-	-	0.8	2.1
ALL VASCULAR DISEASE	M	5349	49	1470	298.7	5.3	260.7	2.1	0.6	-	3.6	2.4	11.0	17.3
	F	5571	29	677	197.2	3.0	118.0	3.0	-	-	1.5	0.8	7.6	8.2
Rheumatic heart disease and fever	M	67	4	23	3.7	0.4	3.3	-	-	-	-	0.8	2.4	-
	F	105	4	38	4.6	0.4	6.3	-	-	-	0.8	-	1.5	0.7
Hypertensive disease	M	84	1	18	4.6	0.1	3.3	-	-	-	-	-	-	0.8
	F	134	-	23	5.0	-	3.9	-	-	-	-	-	-	-
Ischaemic heart disease	M	3269	8	1021	183.7	0.9	180.9	-	-	-	-	0.8	1.6	3.8
	F	2704	3	339	96.6	0.3	61.4	-	-	-	-	-	-	2.1
Pulmonary embolism and other venous	M	29	1	8	1.6	0.1	1.4	-	-	-	-	-	-	0.8
	F	36	3	16	1.6	0.3	2.1	-	-	-	-	0.8	0.8	0.7
Cerebrovascular disease	M	1048	12	187	57.7	1.3	34.2	0.7	-	-	-	0.8	3.1	4.5
	F	1620	9	165	55.8	0.9	28.1	-	-	-	-	-	3.0	3.4
Other vascular disease	M	852	23	213	47.4	2.4	37.5	1.4	0.6	-	3.6	-	3.9	7.5
	F	972	10	96	33.5	1.1	16.2	3.0	-	-	0.8	-	2.3	1.4
Chronic obstructive pulmonary disease	M	867	7	174	47.9	0.7	33.7	0.7	-	0.7	0.7	-	1.6	1.5
	F	693	4	167	28.7	0.4	31.4	-	-	-	-	1.7	0.8	0.7
Other respiratory disease	M	225	10	33	12.3	1.0	6.1	6.3	-	-	-	-	-	0.8
	F	268	7	23	8.9	0.7	3.9	3.7	0.7	-	-	-	0.8	-
Peptic ulcer	M	50	1	6	2.7	0.1	1.3	-	-	-	-	-	-	0.8
	F	58	-	6	2.0	-	1.3	-	-	-	-	-	-	-
Liver cirrhosis	M	67	-	43	3.9	-	7.4	-	-	-	-	-	-	-
	F	47	-	27	2.5	-	4.2	-	-	-	-	-	-	-
Renal disease	M	140	-	24	7.7	-	4.3	-	-	-	-	-	-	-
	F	129	1	15	4.5	0.1	2.4	-	-	-	-	-	0.8	-
Pregnancy, birth Congenital and perinatal causes	F	5	4	1	0.3	0.4	0.1	-	-	-	-	0.8	1.5	0.7
	M	187	162	19	10.5	16.4	2.9	97.0	1.3	4.7	2.2	2.4	3.9	3.0
	F	156	126	21	9.0	13.4	3.2	80.9	1.4	1.4	1.5	4.2	2.3	2.1
Ill-defined causes	M	64	47	5	3.6	4.7	0.8	31.6	-	-	0.7	-	0.8	-
	F	54	33	-	2.6	3.5	-	23.7	0.7	-	-	-	-	-
Other medical causes	M	1112	66	240	61.1	6.8	40.2	9.1	4.5	4.1	6.5	5.5	3.1	15.0
	F	1467	30	206	52.9	3.2	33.7	8.2	1.4	1.4	3.1	1.7	3.8	2.7
ALL NON- MEDICAL CAUSES	M	1125	531	431	61.2	57.3	56.8	22.5	5.2	15.6	66.4	101.9	104.2	85.6
	F	489	166	140	22.5	17.7	18.7	15.6	10.3	5.6	24.5	20.9	28.7	18.5
Motor vehicle traffic accidents	M	292	163	107	15.8	17.5	14.2	6.3	2.6	4.7	26.7	30.8	24.3	27.0
	F	147	70	49	7.4	7.5	6.2	2.2	4.8	4.2	13.0	10.0	9.8	8.2
Fire	M	13	5	3	0.7	0.5	0.4	2.1	-	-	-	-	1.6	-
	F	6	2	2	0.3	0.2	0.3	-	-	-	-	0.8	0.8	-
Suicide	M	375	189	157	20.5	20.7	20.2	-	-	2.0	22.4	39.5	45.5	35.3
	F	83	37	42	4.4	4.0	5.3	-	-	0.7	8.4	3.3	9.8	5.5
Homicide	M	33	21	11	1.8	2.3	1.2	2.8	0.6	-	0.7	4.7	4.7	2.3
	F	22	13	7	1.1	1.4	0.8	1.5	2.1	-	-	2.5	1.5	2.1
POPULATION: (1000s; UN, 2002 revision)														
			M=male		1864.7	970.7	761.0	142.3	154.5	147.9	138.6	126.6	127.6	133.2
			F=female		1918.7	950.9	782.1	134.8	145.8	141.7	130.6	119.8	132.2	146.0

2000: NEW ZEALAND

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
135.2	190.2	284.0	427.0	731.3	1183.2	2143.8	3348.8	5713.9	12229.5	M	ALL CAUSES	001-999/A00-Y89
70.4	125.6	197.7	316.6	525.8	820.6	1265.4	1977.4	3246.7	9426.7	F		
0.6	-	-	-	1.1	-	-	5.3	7.5	8.2	M	Tuberculosis	010-018, 137/ A15-A19, B90
3.3	2.1	-	2.5	1.1	-	-	1.6	5.6	10.0	F		
0.6	-	-	0.9	-	1.3	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
0.7	-	3.2	4.2	5.5	1.4	9.6	8.9	19.9	60.1	F		
-	0.7	-	4.3	3.3	8.0	6.2	9.7	13.1	24.2	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
19.4	41.7	92.6	165.5	309.5	468.3	883.4	1318.5	1932.8	2628.4	M	ALL CANCER	140-208/C00-C97
30.8	66.9	97.3	178.7	272.2	441.8	563.3	765.8	923.4	1476.5	F		
0.7	2.1	-	5.9	14.3	16.5	31.9	24.9	39.8	32.8	M	Mouth and pharynx cancer	140-149/C00-C14
-	0.7	-	0.9	2.2	1.3	4.6	9.7	13.1	17.1	F		
0.7	1.4	0.8	7.6	6.6	19.3	30.4	48.0	52.2	73.8	M	Oesophagus cancer	150/C15
-	-	-	1.7	1.1	4.0	6.2	8.1	26.2	44.1	F		
0.7	2.1	4.7	6.8	18.7	22.0	31.9	60.5	107.0	101.1	M	Stomach cancer	151/C16
3.1	0.7	1.6	6.8	5.5	12.0	13.9	22.6	41.1	64.0	F		
0.7	2.1	6.3	20.4	39.6	90.9	135.8	185.1	310.9	316.9	M	Colorectal cancer	153, 154/C18-C21
1.9	2.0	10.1	16.2	38.4	83.0	95.7	142.2	153.3	276.0	F		
-	1.4	6.3	5.1	7.7	15.2	20.8	19.6	22.4	27.3	M	Liver cancer	155.0/C22 excl C221
-	-	1.6	-	3.3	4.0	4.6	6.5	3.7	7.1	F		
0.7	3.5	5.5	5.9	15.4	23.4	36.7	51.6	79.6	90.2	M	Pancreas cancer	157/C25
0.6	1.4	1.6	4.3	7.7	16.1	34.0	27.5	37.4	79.7	F		
-	-	1.6	2.5	3.3	2.8	9.6	12.5	5.0	10.9	M	Larynx cancer	161/C32
-	-	-	0.9	-	-	1.5	-	-	-	F		
2.0	8.5	19.0	42.4	62.8	103.3	226.8	325.6	395.5	423.5	M	Lung cancer	162/C33, C34
0.6	4.8	8.6	28.9	50.5	81.7	121.9	135.7	179.4	177.8	F		
2.7	2.8	8.7	7.6	18.7	20.7	28.8	40.9	32.3	92.9	M	Malignant melanoma	172/C43
1.9	2.0	2.3	7.7	13.2	16.1	12.3	11.3	29.9	29.9	F		
13.8	26.6	38.9	54.5	64.8	65.6	84.9	114.7	119.6	192.0	F	Female breast cancer	174/C50
1.3	4.1	6.2	6.8	9.9	5.4	10.8	6.5	9.3	12.8	F	Cervix cancer	180/C53
1.3	1.4	0.8	5.1	8.8	17.4	17.0	25.8	22.4	27.0	F	Other uterine cancer	179, 182/C54, C55
1.3	4.1	7.0	13.6	19.8	28.1	24.7	63.0	37.4	49.8	F	Ovarian cancer	183/C56, C570-C574
-	0.7	-	3.4	20.9	24.8	103.8	192.2	328.4	674.9	M	Prostate cancer	185/C61
-	-	-	0.8	4.4	8.3	24.0	39.1	57.2	87.4	M	Bladder cancer	188/C67
-	-	-	-	1.1	2.7	7.7	8.1	22.4	44.1	F		
6.7	13.4	30.1	35.7	76.0	71.6	132.6	195.7	303.5	418.0	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
3.1	15.7	12.5	22.1	35.1	73.6	83.3	114.7	170.1	325.7	F		
-	-	-	0.8	-	-	1.6	-	2.5	2.7	M	Hodgkin's disease	201/C81
-	-	-	-	-	-	-	-	1.9	2.8	F		
2.0	2.1	7.9	10.2	17.6	28.9	33.5	83.6	116.9	174.9	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.3	1.4	3.1	2.6	7.7	24.1	24.7	42.0	39.3	82.5	F		
2.7	1.4	1.6	10.2	3.3	20.7	35.1	39.1	79.6	101.1	M	Leukaemia	204-208/C91-C95
0.6	2.0	3.1	6.8	3.3	6.7	15.4	27.5	16.8	44.1	F		
0.7	4.2	7.1	17.0	25.3	56.5	67.1	122.8	166.7	347.0	M	Diabetes	250/E10-E14
1.9	3.4	8.6	7.7	14.3	32.1	58.6	92.1	106.5	246.1	F		
24.1	55.9	102.1	150.3	248.9	446.3	797.1	1243.8	2368.2	5953.6	M	ALL VASCULAR DISEASE	390-459/I00-I99
11.3	22.5	42.8	60.4	137.2	176.7	375.0	710.8	1420.6	5213.4	F		
2.0	2.1	1.6	4.2	4.4	5.5	3.2	8.9	17.4	76.5	M	Rheumatic heart disease and fever	390-398/I00-I09
1.3	2.0	3.1	1.7	11.0	8.0	17.0	16.2	28.0	54.1	F		
0.7	0.7	-	1.7	3.3	6.9	9.6	21.4	49.8	90.2	M	Hypertensive disease	401-405/I10-I15
-	0.7	0.8	4.3	5.5	4.0	12.3	19.4	35.5	113.8	F		
12.0	38.2	72.8	106.1	179.5	319.6	538.3	807.8	1472.6	3262.3	M	Ischaemic heart disease	410-414/I20-I25
3.1	6.8	18.7	22.1	69.2	104.4	205.2	381.3	717.8	2478.0	F		
-	-	1.6	0.8	1.1	-	6.4	12.5	10.0	24.6	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
-	2.7	3.1	3.4	2.2	-	3.1	3.2	5.6	17.1	F		
2.7	6.4	11.9	16.1	26.4	57.9	118.2	217.1	500.0	1437.2	M	Cerebrovascular disease	430-438/I60-I69
4.4	6.1	10.1	18.7	31.8	37.5	88.0	176.1	416.8	1584.6	F		
6.7	8.5	14.2	21.2	34.1	56.5	121.4	176.2	318.4	1062.8	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
2.5	4.1	7.0	10.2	17.6	22.8	49.4	114.7	216.8	965.9	F		
2.0	5.7	4.7	8.5	23.1	59.2	132.6	259.8	457.7	972.7	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
-	2.0	5.4	13.6	23.1	60.2	115.7	150.2	259.8	412.5	F		
0.7	2.1	-	3.4	4.4	6.9	25.6	32.0	107.0	330.6	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.3	2.7	0.8	0.9	2.2	5.4	13.9	14.5	37.4	297.3	F		
-	-	-	-	-	2.8	6.4	12.5	22.4	73.8	M	Peptic ulcer	531-533/K25-K27
-	-	-	-	1.1	-	7.7	1.6	16.8	59.7	F		
1.3	1.4	5.5	2.5	6.6	15.2	19.2	21.4	14.9	16.4	M	Liver cirrhosis	571/K70, K74
0.6	0.7	3.9	2.6	6.6	10.7	4.6	12.9	15.0	5.7	F		
-	1.4	0.8	3.4	2.2	9.6	12.8	21.4	57.2	221.3	M	Renal disease	580-590/N00-N19
0.6	0.7	1.6	2.6	1.1	4.0	6.2	11.3	39.3	120.9	F		
0.6	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
0.7	1.4	2.4	1.7	5.5	4.1	4.8	5.3	5.0	2.7	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
-	1.4	1.6	3.4	7.7	5.4	3.1	3.2	5.6	5.7	F		
-	0.7	0.8	0.8	-	1.4	1.6	1.8	5.0	24.6	M	Ill-defined causes	780-799/R00-R99
-	-	-	-	-	-	-	1.6	1.9	27.0	F		
15.4	17.0	15.8	17.0	39.6	66.1	110.2	224.2	450.2	1363.4	M	Other medical causes	Rest of 001-799/ rest of A00-R99
7.5	8.9	14.8	26.4	35.1	61.6	81.8	168.0	353.3	1334.3	F		
66.9	55.9	49.1	50.1	58.4	45.5	71.9	71.2	99.5	226.8	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
14.5	15.7	21.0	15.3	22.0	13.4	29.3	33.9	48.6	193.5	F		
14.1	16.3	13.4	10.2	15.4	13.8	16.0	17.8	12.4	19.1	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
5.7	7.5	7.8	5.1	5.5	1.3	10.8	16.2	11.2	17.1	F		
0.7	-	0.8	-	-	-	1.6	3.6	2.5	5.5	M	Fire	E890-E899/X00-X09
-	-	0.8	-	-	-	1.5	-	3.7	-	F		
26.8	17.7	18.2	21.2	23.1	15.2	19.2	23.1	12.4	30.1	M	Suicide	E950-E959/X60-X84
6.9	4.1	5.4	5.1	5.5	6.7	3.1	-	-	5.7	F		
2.0	2.8	1.6	0.8	1.1	-	-	1.8	-	-	M	Homicide	E960-E969/ X85-X99, Y00-Y09
0.6	0.7	2.3	0.9	1.1	-	-	-	-	2.8	F		
149.4	141.4	126.4	117.8	90.8	72.6	62.6	56.2	40.2	36.6	M	POPULATION	
159.0	146.5	128.5	117.5	91.1	74.7	64.8	61.9	53.5	70.3	F	(1000s; UN, 2002 revision)	

NEW ZEALAND: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1143	80	1	2	77	8	16	51	3	308	677
35-69	Sm.	1241	567	380	66	121	163	10	398	-	103	-
	Total	4795 (26%)	1625 (35%)	424 (90%)	119 (55%)	1082 (11%)	226 (72%)	52 (19%)	1932 (21%)	43	493 (21%)	424
70+	Sm.	1697	663	418	67	178	474	46	413	-	101	-
	Total	8590 (20%)	2211 (30%)	467 (90%)	121 (55%)	1623 (11%)	683 (69%)	522 (9%)	4008 (10%)	23	998 (10%)	145
Any age	Sm.	2938	1230	798	133	299	637	56	811	-	204	-
	Total	14528 (20%)	3916 (31%)	892 (89%)	242 (55%)	2782 (11%)	917 (69%)	590 (9%)	5991 (14%)	69	1799 (11%)	1246
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	960	66	0	0	66	7	10	49	0	297	531
35-69	Sm.	922	468	314	60	94	114	7	251	-	82	-
	Total	4198 (22%)	1574 (30%)	363 (87%)	124 (48%)	1087 (9%)	174 (66%)	33 (21%)	1470 (17%)	43	473 (17%)	431
70+	Sm.	1635	693	438	68	187	461	16	349	-	116	-
	Total	8655 (19%)	2480 (28%)	497 (88%)	130 (52%)	1853 (10%)	686 (67%)	182 (9%)	3830 (9%)	24	1290 (9%)	163
Any age	Sm.	2557	1161	752	128	281	575	23	600	-	198	-
	Total	13813 (19%)	4120 (28%)	860 (87%)	254 (50%)	3006 (9%)	867 (66%)	225 (10%)	5349 (11%)	67	2060 (10%)	1125

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)														
	1995	1774.8	979.0	681.7	137.5	124.4	117.9	92.8	76.2	68.2	64.7	50.8	32.5	30.8
	2000	1864.7	970.7	761.0	149.4	141.4	126.4	117.8	90.8	72.6	62.6	56.2	40.2	36.6
NUMBER OF DEATHS (Source: WHO)														
All causes														
	1995	14528	1143	4795	186	250	387	526	708	1048	1690	2091	2219	4280
	2000	13813	960	4198	202	269	359	503	664	859	1342	1882	2297	4476
Lung cancer														
	1995	892	1	424	1	7	14	37	65	121	179	193	137	137
	2000	860	-	363	3	12	24	50	57	75	142	183	159	155
ANNUAL DEATH RATE / 100,000														
All causes					(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)									
	1995	919.8*	116.2*	901.3*	135.3	201.0	328.2	566.8	929.1	1536.7	2612.1	4116.1	6827.7	13896.1
	2000	772.2*	101.5*	727.8*	135.2	190.2	284.0	427.0	731.3	1183.2	2143.8	3348.8	5713.9	12229.5
All cancer														
	1995	252.1*	8.2*	315.2*	26.2	37.0	79.7	199.4	328.1	577.7	958.3	1433.1	1916.9	2792.2
	2000	233.9*	6.9*	282.9*	19.4	41.7	92.6	165.5	309.5	468.3	883.4	1318.5	1932.8	2628.4
Lung cancer														
	1995	57.9*	0.1*	85.4*	0.7	5.6	11.9	39.9	85.3	177.4	276.7	379.9	421.5	444.8
	2000	49.2*	-	66.4*	2.0	8.5	19.0	42.4	62.8	103.3	226.8	325.6	395.5	423.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
	1995	15.7*	0.2*	23.4*	0.7	4.0	5.9	8.6	24.9	42.5	77.3	84.6	101.5	146.1
	2000	14.7*	-	22.6*	1.3	3.5	2.4	16.1	24.2	38.6	71.9	85.4	97.0	117.5
Other cancer														
	1995	178.5*	7.9*	206.4*	24.7	27.3	61.9	150.9	217.8	357.8	604.3	968.5	1393.8	2201.3
	2000	170.0*	6.9*	193.9*	16.1	29.7	71.2	107.0	222.5	326.4	584.7	907.5	1440.3	2087.4
Chronic obstructive pulmonary disease (COPD)														
	1995	58.1*	0.8*	46.5*	-	6.4	5.1	11.9	22.3	80.6	199.4	313.0	652.3	1013.0
	2000	47.9*	0.7*	33.7*	2.0	5.7	4.7	8.5	23.1	59.2	132.6	259.8	457.7	972.7
Other respiratory disease														
	1995	37.7*	1.5*	10.1*	1.5	0.8	2.5	7.5	6.6	13.2	38.6	86.6	236.9	1301.9
	2000	12.3*	1.0*	6.1*	0.7	2.1	-	3.4	4.4	6.9	25.6	32.0	107.0	330.6
Vascular disease														
	1995	385.2*	5.2*	369.7*	21.8	74.0	127.2	215.5	408.1	640.8	1100.5	1789.4	3212.3	6672.1
	2000	298.7*	5.3*	260.7*	24.1	55.9	102.1	150.3	248.9	446.3	797.1	1243.8	2368.2	5953.6
Liver cirrhosis														
	1995	4.5*	0.3*	7.8*	1.5	1.6	5.1	5.4	9.2	13.2	18.5	17.7	30.8	13.0
	2000	3.9*	-	7.4*	1.3	1.4	5.5	2.5	6.6	15.2	19.2	21.4	14.9	16.4
Other medical causes														
	1995	112.0*	30.2*	90.2*	19.6	24.9	39.9	67.9	84.0	159.8	234.9	397.6	680.0	1866.9
	2000	114.2*	30.3*	80.2*	20.7	27.6	30.1	46.7	80.4	141.9	214.1	402.1	733.8	2101.1
All non-medical causes														
	1995	70.3*	70.0*	61.9*	64.7	56.3	68.7	59.3	70.9	51.3	61.8	78.7	98.5	237.0
	2000	61.2*	57.3*	56.8*	66.9	55.9	49.1	50.1	58.4	45.5	71.9	71.2	99.5	226.8

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: NEW ZEALAND

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	613	77	0	0	77	4	14	29	0	275	214
35-69	Sm.	635	256	194	20	42	126	6	168	-	79	-
	Total	3078	1554	242	37	1275	182	29	771	26	360	156
		(21%)	(16%)	(80%)	(54%)	(3%)	(69%)	(21%)	(22%)		(22%)	
70+	Sm.	1206	308	219	37	52	335	55	396	-	112	-
	Total	9737	1869	270	79	1520	486	801	4964	18	1407	192
		(12%)	(16%)	(81%)	(47%)	(3%)	(69%)	(7%)	(8%)		(8%)	
Any age	Sm.	1841	564	413	57	94	461	61	564	-	191	-
	Total	13428	3500	512	116	2872	672	844	5764	44	2042	562
		(14%)	(16%)	(81%)	(49%)	(3%)	(69%)	(7%)	(10%)		(9%)	
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	483	69	2	2	65	4	7	29	0	208	166
35-69	Sm.	551	227	185	9	33	113	4	133	-	74	-
	Total	2834	1425	239	20	1166	167	23	677	27	375	140
		(19%)	(16%)	(77%)	(45%)	(3%)	(68%)	(17%)	(20%)		(20%)	
70+	Sm.	1269	341	246	39	56	368	18	397	-	145	-
	Total	9588	2006	305	75	1626	522	238	4865	20	1754	183
		(13%)	(17%)	(81%)	(52%)	(3%)	(70%)	(8%)	(8%)		(8%)	
Any age	Sm.	1820	568	431	48	89	481	22	530	-	219	-
	Total	12905	3500	546	97	2857	693	268	5571	47	2337	489
		(14%)	(16%)	(79%)	(49%)	(3%)	(69%)	(8%)	(10%)		(9%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	1829.4	967.3	692.6	142.0	126.9	117.9	92.7	77.2	68.4	67.5	61.6	47.4	60.5
2000	1918.7	950.9	782.1	159.0	146.5	128.5	117.5	91.1	74.7	64.8	61.9	53.5	70.3
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	13428	613	3078	139	178	284	388	461	644	984	1464	1857	6416
2000	12905	483	2834	112	184	254	372	479	613	820	1224	1737	6627
Lung cancer													
1995	512	-	242	2	9	13	21	48	67	82	115	73	82
2000	546	2	239	1	7	11	34	46	61	79	84	96	125
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	597.9*	62.2*	556.3*	97.9	140.3	240.9	418.6	597.2	941.5	1457.8	2376.6	3917.7	10605.0
2000	512.2*	51.1*	474.6*	70.4	125.6	197.7	316.6	525.8	820.6	1265.4	1977.4	3246.7	9426.7
All cancer													
1995	182.3*	7.7*	276.0*	45.1	72.5	142.5	257.8	331.6	467.8	614.8	860.4	991.6	1436.4
2000	161.6*	7.2*	235.9*	30.8	66.9	97.3	178.7	272.2	441.8	563.3	765.8	923.4	1476.5
Lung cancer													
1995	27.8*	-	46.3*	1.4	7.1	11.0	22.7	62.2	98.0	121.5	186.7	154.0	135.5
2000	26.3*	0.2*	42.4*	0.6	4.8	8.6	28.9	50.5	81.7	121.9	135.7	179.4	177.8
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	5.4*	-	7.3*	1.4	-	0.8	2.2	5.2	19.0	22.2	14.6	42.2	82.6
2000	3.9*	0.2*	3.6*	-	0.7	-	3.4	3.3	5.4	12.3	17.8	39.3	61.2
Other cancer													
1995	149.0*	7.7*	222.5*	42.3	65.4	130.6	233.0	264.2	350.9	471.1	659.1	795.4	1218.2
2000	131.4*	6.7*	189.8*	30.2	61.4	88.7	146.4	218.4	354.8	429.0	612.3	704.7	1237.6
Chronic obstructive pulmonary disease (COPD)													
1995	31.3*	0.4*	35.5*	1.4	4.7	5.1	10.8	45.3	68.7	112.6	180.2	251.1	423.1
2000	28.7*	0.4*	31.4*	-	2.0	5.4	13.6	23.1	60.2	115.7	150.2	259.8	412.5
Other respiratory disease													
1995	30.2*	1.4*	5.2*	2.1	1.6	1.7	2.2	5.2	11.7	11.9	56.8	113.9	1176.9
2000	8.9*	0.7*	3.9*	1.3	2.7	0.8	0.9	2.2	5.4	13.9	14.5	37.4	297.3
Vascular disease													
1995	233.9*	2.9*	146.5*	19.0	21.3	39.0	69.0	130.8	250.0	496.3	974.0	1947.3	5687.6
2000	197.2*	3.0*	118.0*	11.3	22.5	42.8	60.4	137.2	176.7	375.0	710.8	1420.6	5213.4
Liver cirrhosis													
1995	2.5*	-	4.7*	0.7	0.8	-	9.7	5.2	2.9	13.3	8.1	16.9	8.3
2000	2.5*	-	4.2*	0.6	0.7	3.9	2.6	6.6	10.7	4.6	12.9	15.0	5.7
Other medical causes													
1995	90.3*	27.8*	66.2*	6.3	16.5	28.0	45.3	64.8	119.9	182.2	272.7	529.5	1633.1
2000	90.9*	22.0*	62.4*	11.9	15.0	26.5	45.1	62.6	112.4	163.6	289.2	542.1	1827.9
All non-medical causes													
1995	27.4*	21.9*	22.3*	23.2	22.9	24.6	23.7	14.2	20.5	26.7	24.4	67.5	239.7
2000	22.5*	17.7*	18.7*	14.5	15.7	21.0	15.3	22.0	13.4	29.3	33.9	48.6	193.5

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

NEW ZEALAND: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.0	– / 0.5	–
35–69	0.9 / 4.2	0.6 / 2.8	23 years
70+	1.6 / 8.7	1.3 / 9.6	8 years
All ages	2.6 / 14	1.8 / 13	13 years

Deaths, by cause, attributed to SMOKING / total deaths in the year 2000

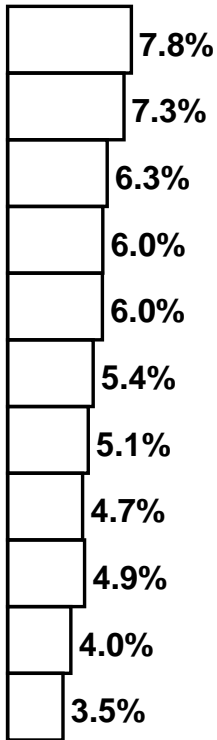
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 0	314/363	438/497	752/860	– / 2	185/239	246/305	431/546
All Cancer	–/66	468/1574 (30%)	693/2480 (28%)	1161/4120	–/69	227/1425 (16%)	341/2006 (17%)	568/3500
Vascular	–/49	251/1470	349/3830	600/5349	–/29	133/677	397/4865	530/5571
Respiratory	–/17	121/207	477/868	598/1092	–/11	117/190	386/760	503/961
All Other	–/828	82/947	116/1477	198/3252	–/374	74/542	145/1957	219/2873
All Causes	–/960	922/4198 (22%)	1635/8655 (19%)	2557/13813	–/483	551/2834 (19%)	1269/9588 (13%)	1820/12905

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	1.2 / 4.1 (28%)	0.6 / 3.5 (16%)	1.7 / 7.6 (23%)
All Causes	2.6 / 14 (19%)	1.8 / 13 (14%)	4.4 / 27 (16%)

1950-2000: NEW ZEALAND

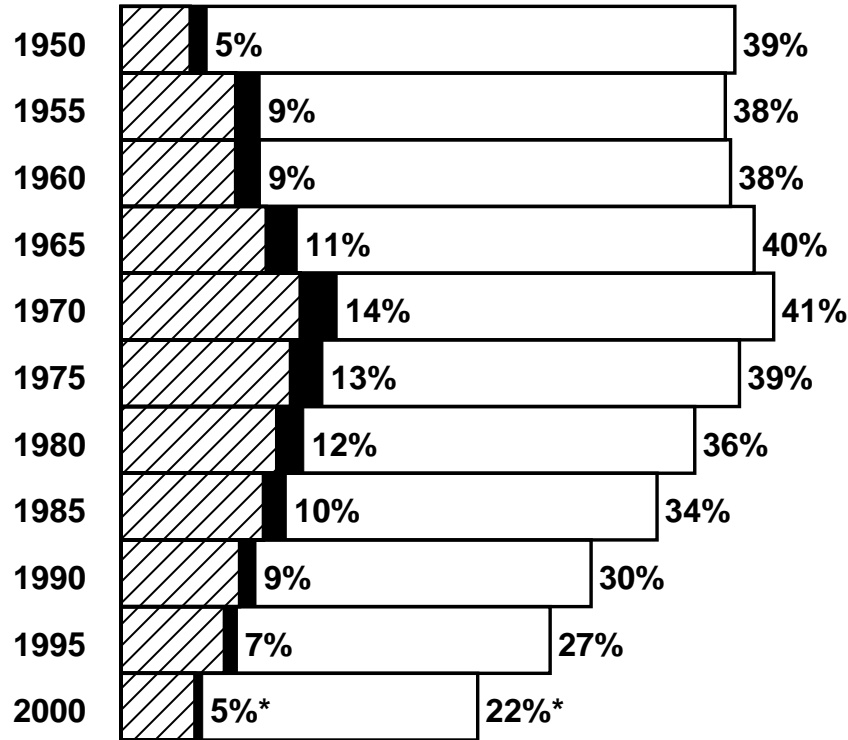
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

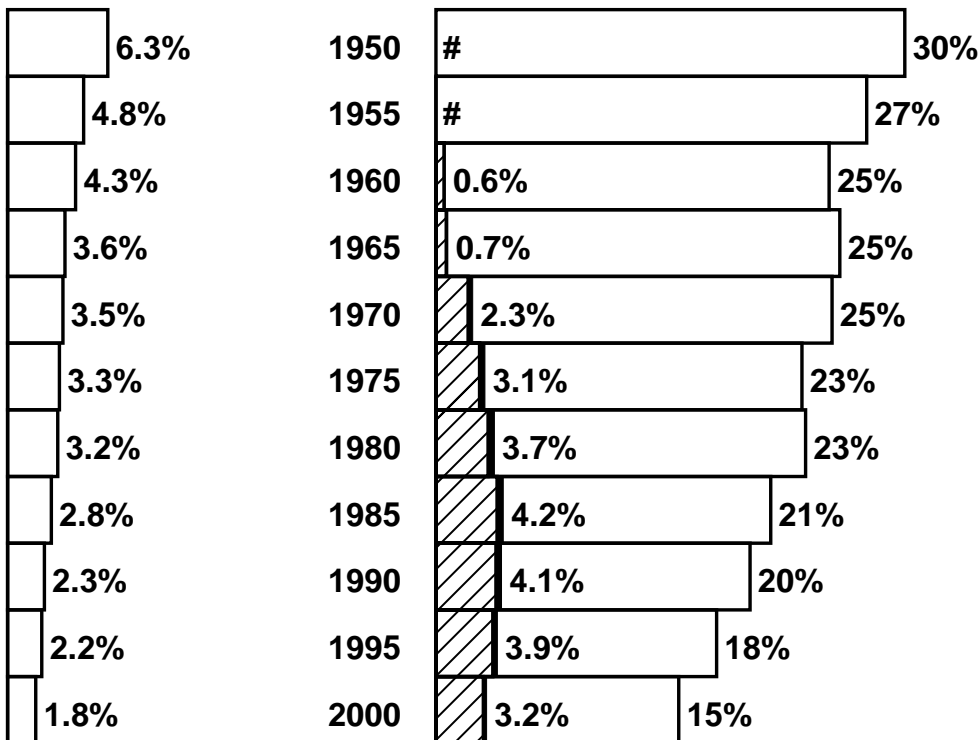
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 22 would die before age 70 (with 5 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

NEW ZEALAND: 1950-2000

Numbers of deaths attributed to smoking / total deaths

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	-/1542	569/3968 (14%)	145/4431 (3%)	714/9941	-/1204	0/2941	0/3998	0/8143
1955	-/1609	932/3998 (23%)	370/5020 (7%)	1302/10627	-/1022	0/2831	0/4745	0/8598
1960	-/1539	970/4294 (23%)	578/5713 (10%)	1548/11546	-/1042	58/2734 (2%)	17/5570	75/9346
1965	-/1529	1408/5125 (27%)	911/6005 (15%)	2319/12659	-/915	95/3121 (3%)	0/6281	95/10317
1970	-/1576	1909/5822 (33%)	1114/6217 (18%)	3023/13615	-/916	321/3366 (10%)	199/6943 (3%)	520/11225
1975	-/1560	1924/5902 (33%)	1422/6336 (22%)	3346/13798	-/902	454/3370 (13%)	309/7045 (4%)	763/11317
1980	-/1367	1776/5617 (32%)	1755/7354 (24%)	3531/14338	-/811	566/3593 (16%)	502/7946 (6%)	1068/12350
1985	-/1303	1663/5416 (31%)	1671/7815 (21%)	3334/14534	-/718	666/3341 (20%)	612/8891 (7%)	1278/12950
1990	-/1369	1393/4936 (28%)	1636/7662 (21%)	3029/13967	-/636	663/3242 (20%)	754/8679 (9%)	1417/12557
1995	-/1143	1241/4795 (26%)	1697/8590 (20%)	2938/14528	-/613	635/3078 (21%)	1206/9737 (12%)	1841/13428
2000	-/960	922/4198 (22%)	1635/8655 (19%)	2557/13813	-/483	551/2834 (19%)	1269/9588 (13%)	1820/12905

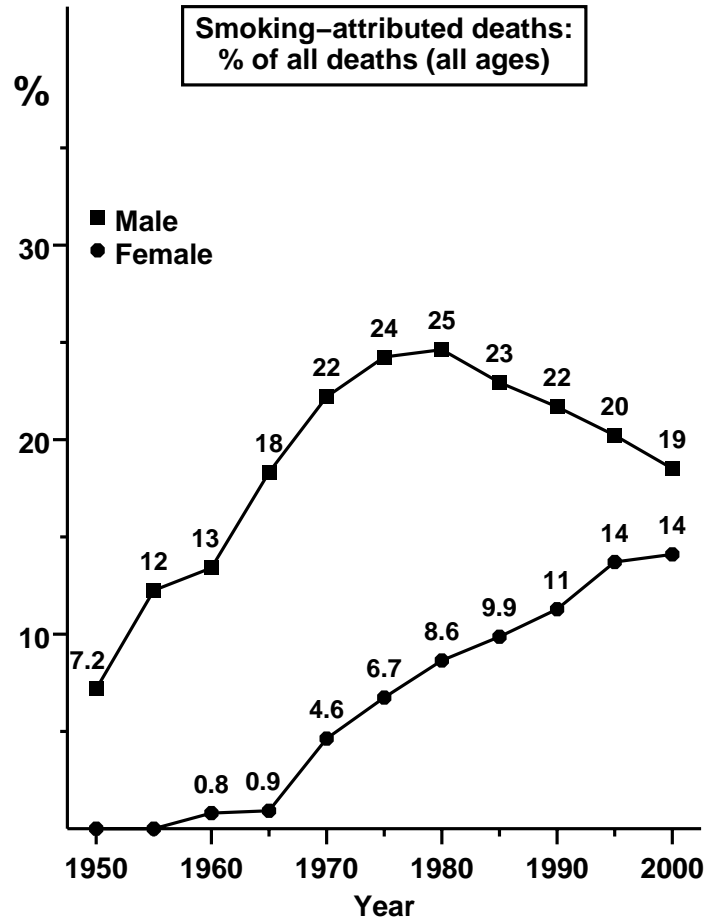
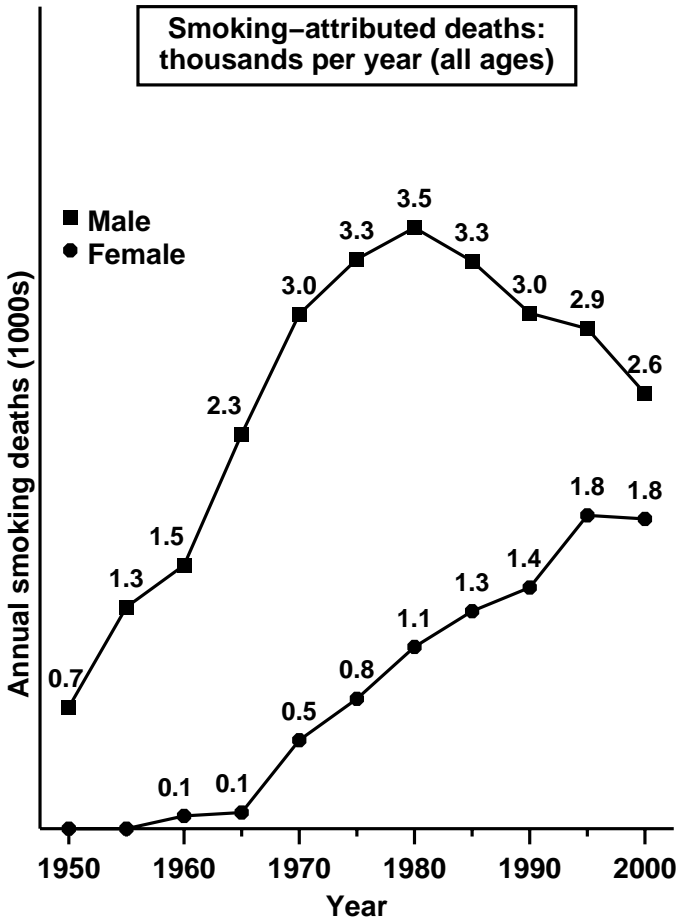
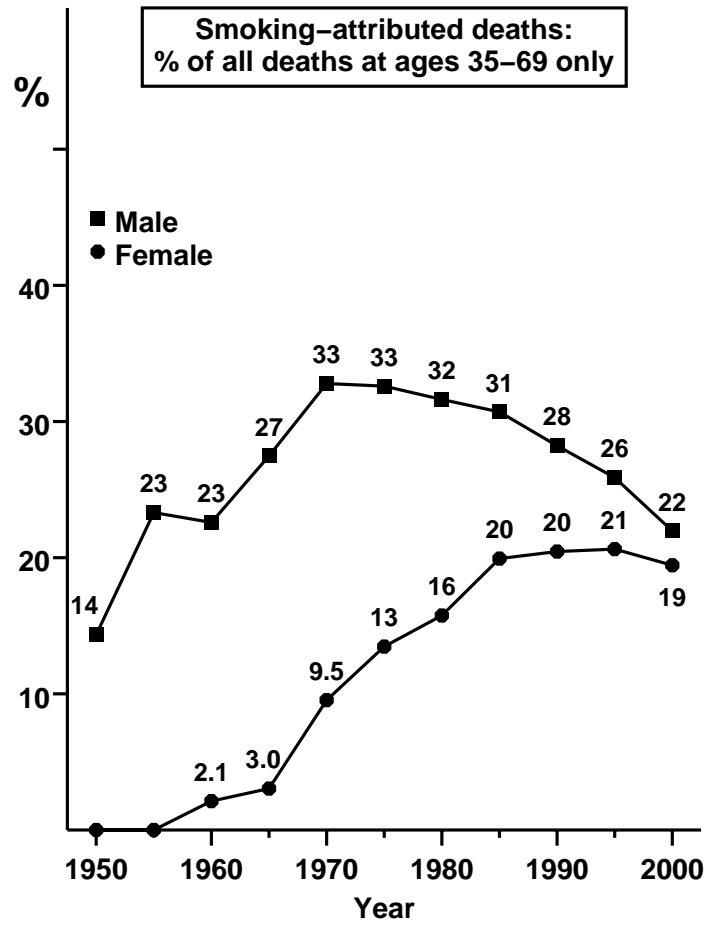
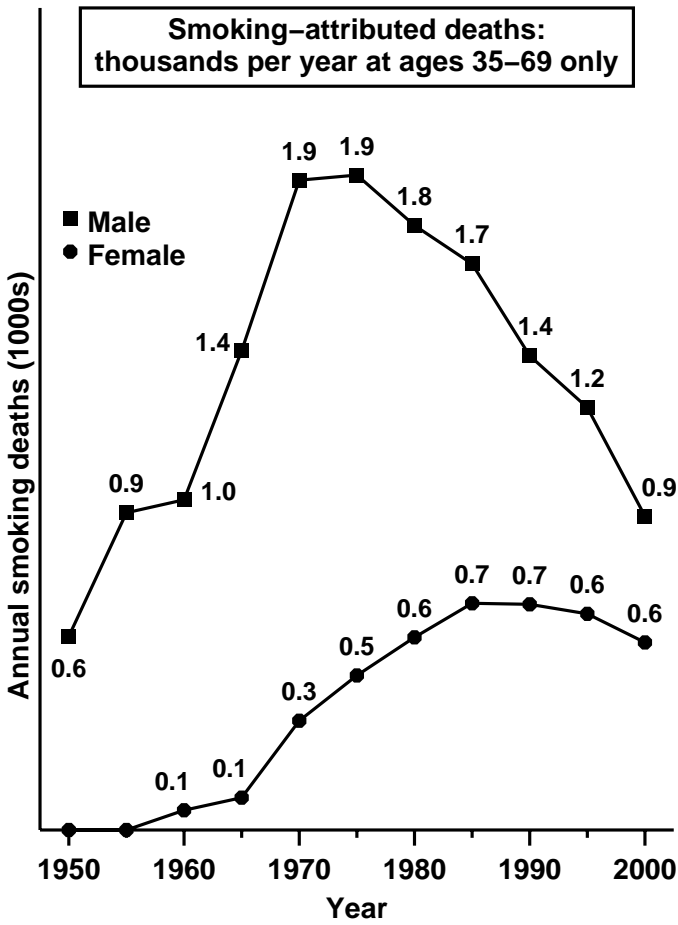
50-year total* (thousands), mid-1950 to mid-2000: 172 / 1228

1950-2000 by age & sex:

-/71	72/252 (28%)	61/338 (18%)	132/661	-/42	19/157 (12%)	21/367 (6%)	40/566
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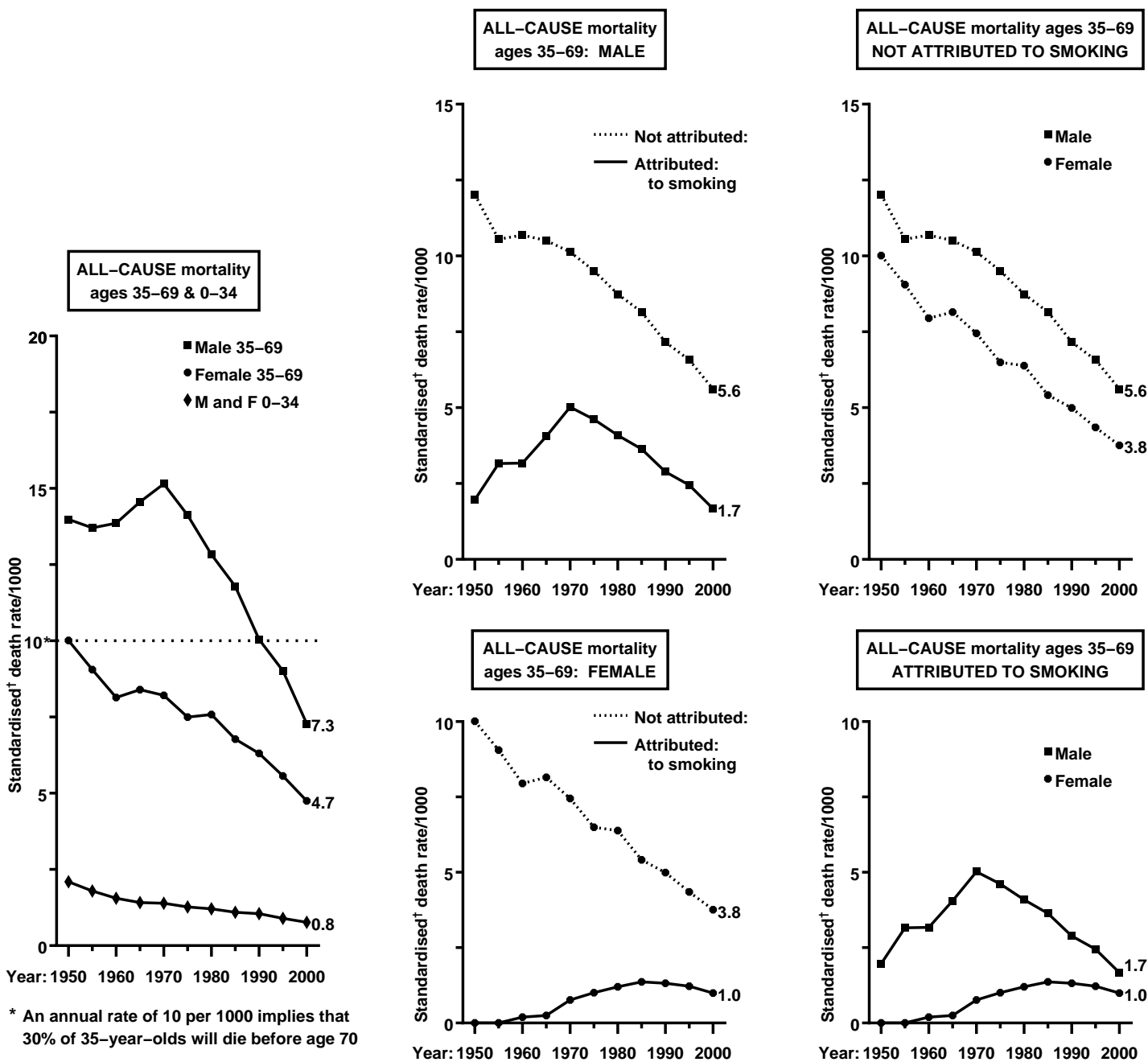
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1950-2000: NEW ZEALAND



NEW ZEALAND: 1950-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

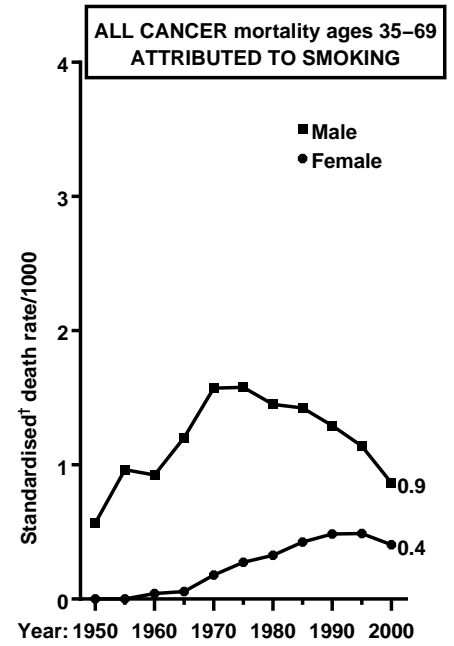
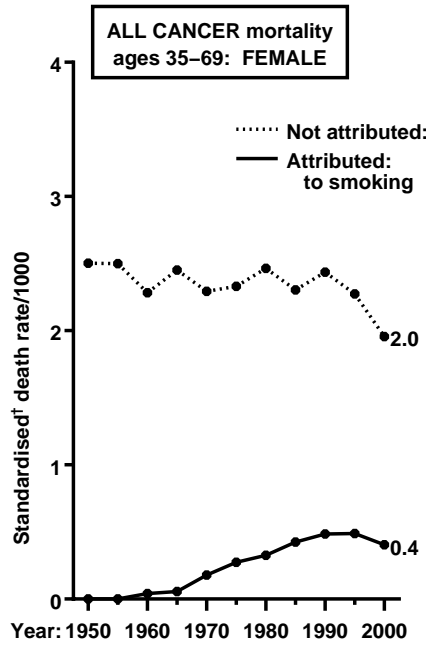
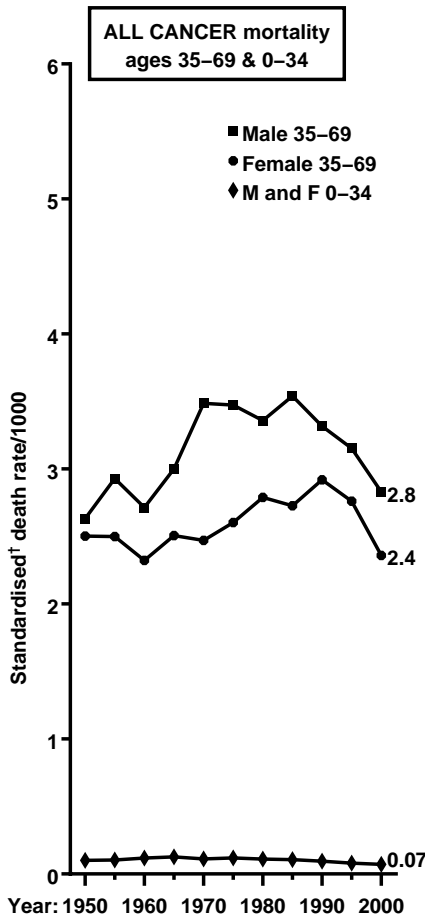
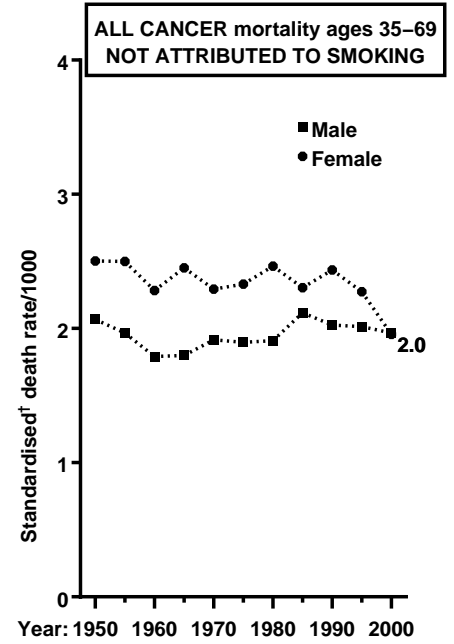
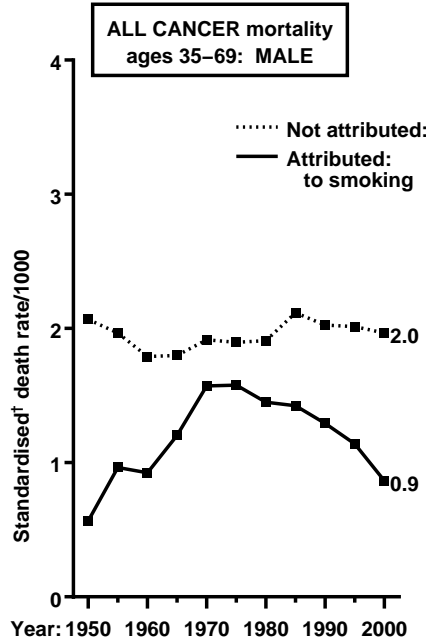
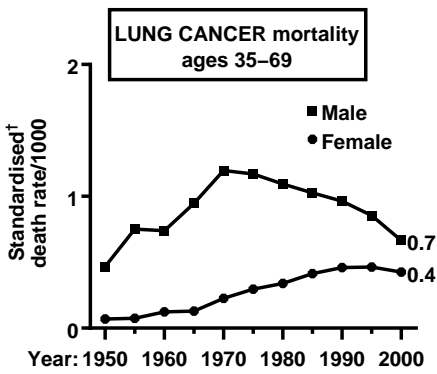
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?	0-34		35-69		70-79		Yes	No	0-34		35-69		70-79		
		Yes	No	Yes	No	Yes	No			Yes	No	Yes	No	Yes	No	
1950	-	2.32	1.96	12.0	2.70	74.6	-	1.86	0.00	10.0	0.00	55.3				
1955	-	2.18	3.16	10.5	6.00	68.0	-	1.40	0.00	9.05	0.00	54.6				
1960	-	1.85	3.17	10.7	8.62	66.1	-	1.25	0.19	7.94	0.27	50.6				
1965	-	1.77	4.05	10.5	14.9	72.0	-	1.05	0.25	8.15	0.00	49.6				
1970	-	1.76	5.02	10.1	15.7	64.9	-	1.01	0.76	7.45	1.64	47.1				
1975	-	1.58	4.61	9.51	18.3	55.3	-	0.95	1.00	6.49	2.23	40.8				
1980	-	1.49	4.09	8.74	19.4	55.3	-	0.92	1.20	6.38	3.40	39.5				
1985	-	1.38	3.63	8.15	15.5	53.1	-	0.80	1.36	5.41	3.69	35.6				
1990	-	1.42	2.88	7.16	13.8	46.0	-	0.67	1.32	4.99	4.51	29.3				
1995	-	1.16	2.45	6.57	12.4	42.3	-	0.62	1.22	4.35	5.48	26.0				
2000	-	1.02	1.67	5.61	9.76	35.6	-	0.51	0.99	3.76	4.60	21.5				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: NEW ZEALAND

Trends in ALL CANCER mortality attributed and not attributed to smoking



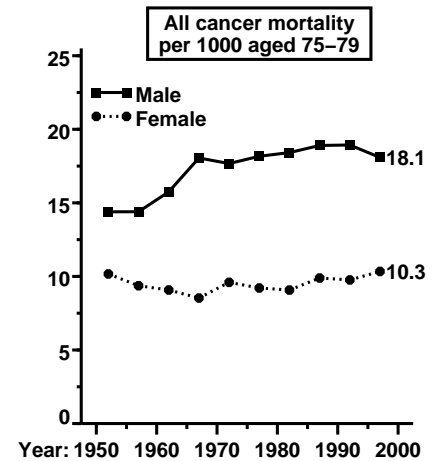
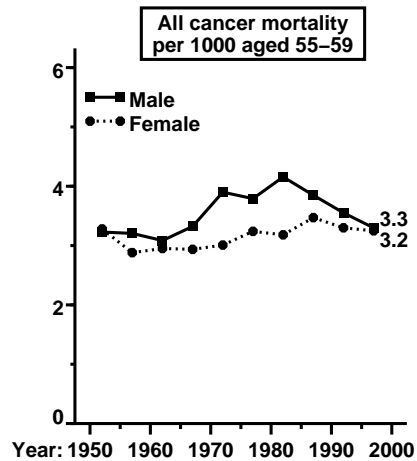
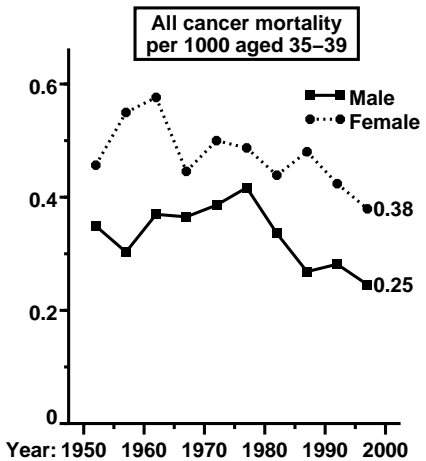
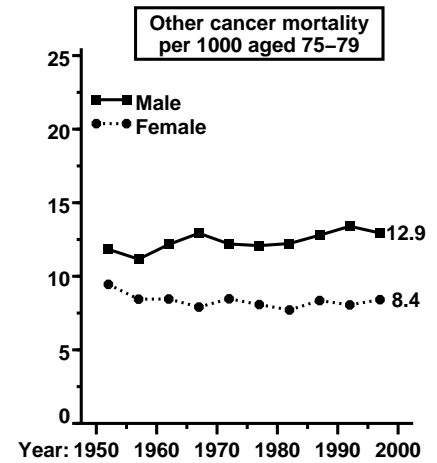
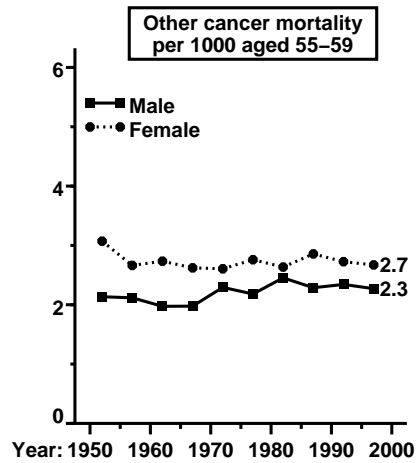
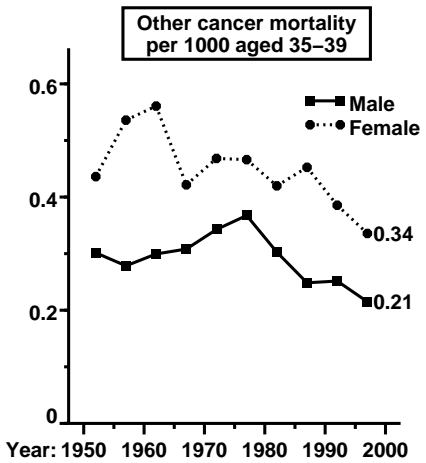
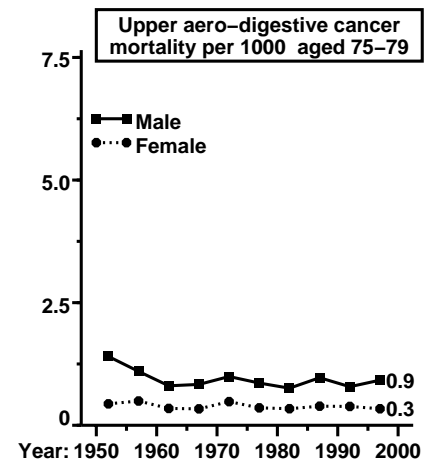
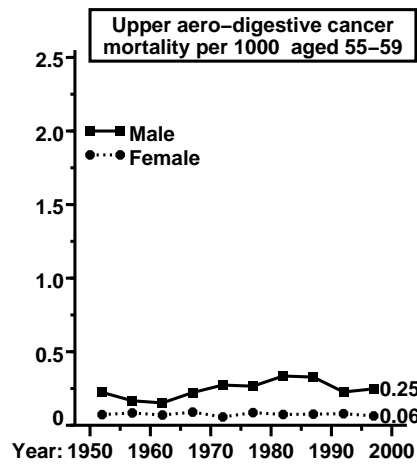
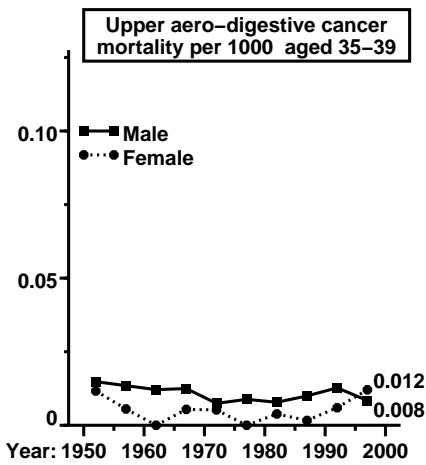
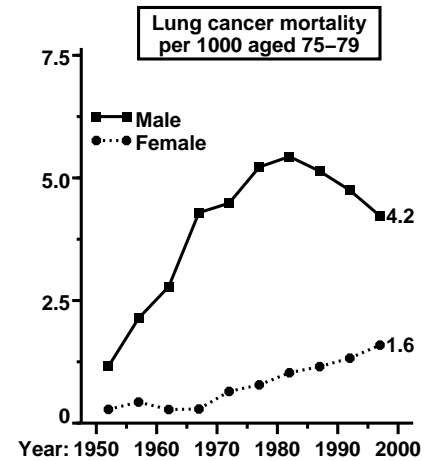
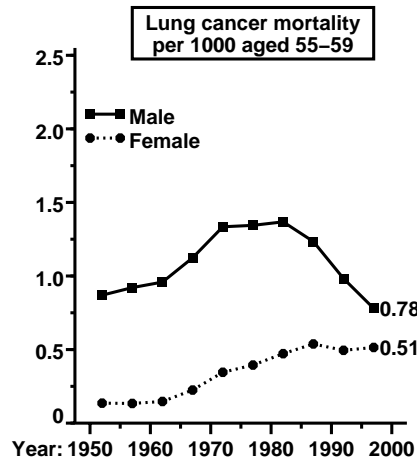
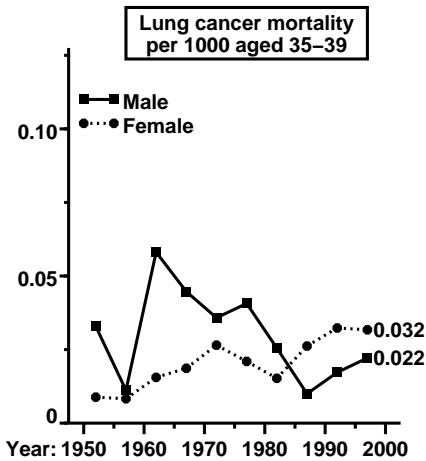
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	-	0.10	0.57	2.07	0.97	11.8	-	0.10	0.00	2.50	0.00	8.44				
1955	-	0.11	0.96	1.97	1.83	10.2	-	0.09	0.00	2.50	0.00	9.02				
1960	-	0.12	0.92	1.79	2.60	10.0	-	0.11	0.04	2.28	0.05	7.86				
1965	-	0.12	1.20	1.80	4.50	10.8	-	0.13	0.06	2.45	0.00	7.14				
1970	-	0.13	1.57	1.91	5.04	10.0	-	0.09	0.18	2.29	0.40	7.85				
1975	-	0.13	1.58	1.90	6.46	9.56	-	0.11	0.27	2.33	0.54	7.73				
1980	-	0.12	1.45	1.91	6.73	9.97	-	0.10	0.33	2.46	0.87	7.63				
1985	-	0.10	1.42	2.12	5.59	10.4	-	0.11	0.42	2.30	0.96	7.92				
1990	-	0.10	1.29	2.02	5.63	10.6	-	0.09	0.48	2.43	1.39	7.65				
1995	-	0.08	1.14	2.01	5.43	11.3	-	0.08	0.49	2.27	1.81	7.45				
2000	-	0.07	0.86	1.97	4.85	11.4	-	0.07	0.40	1.95	1.65	6.80				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

NEW ZEALAND: 1950-2000

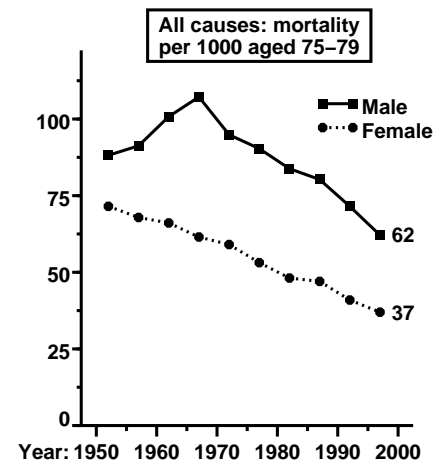
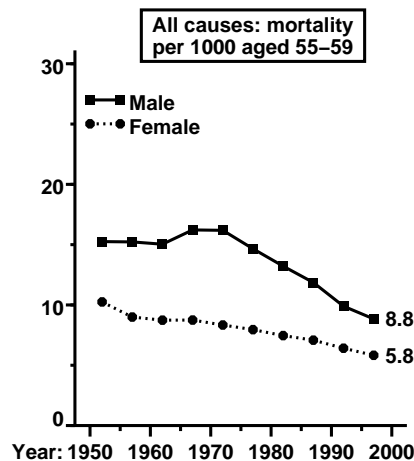
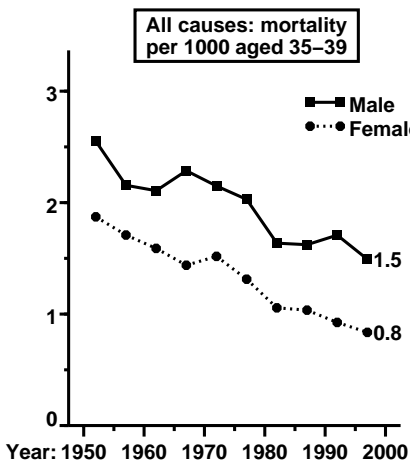
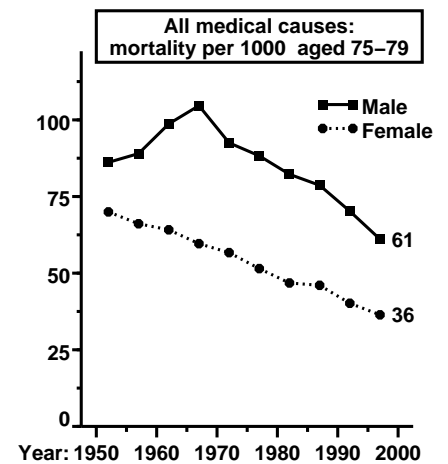
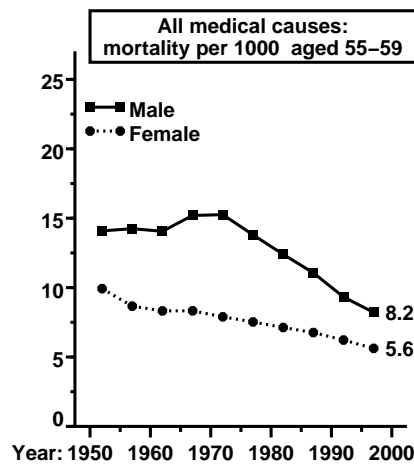
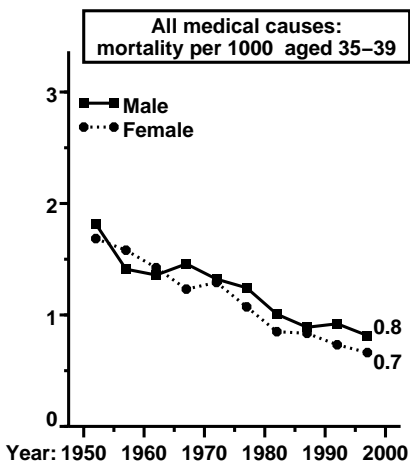
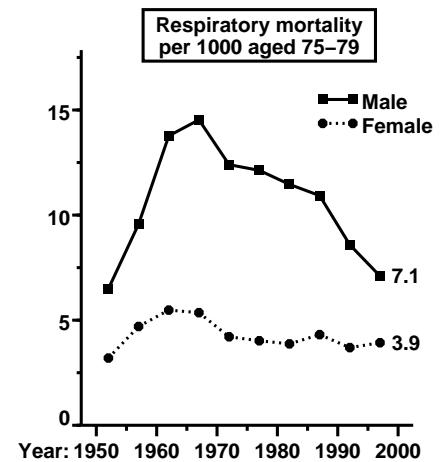
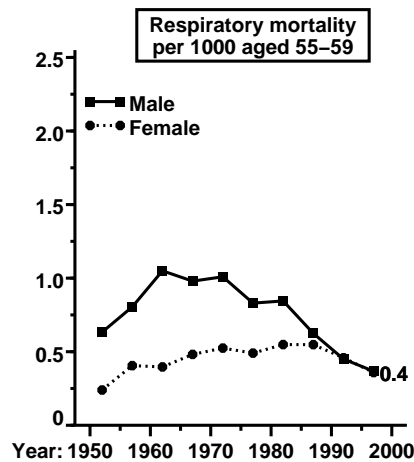
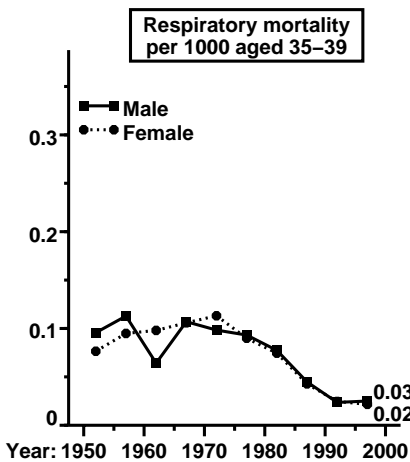
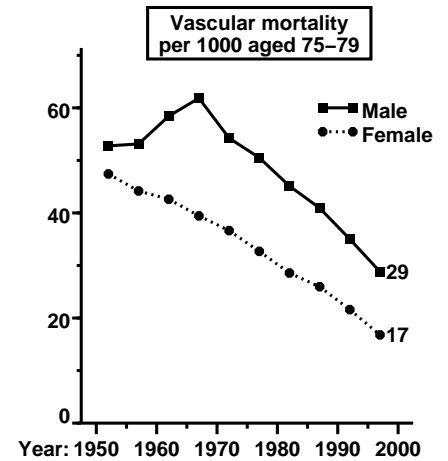
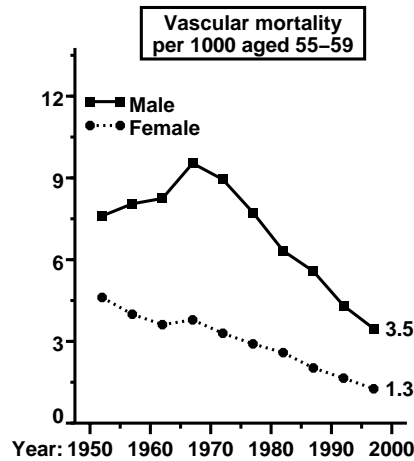
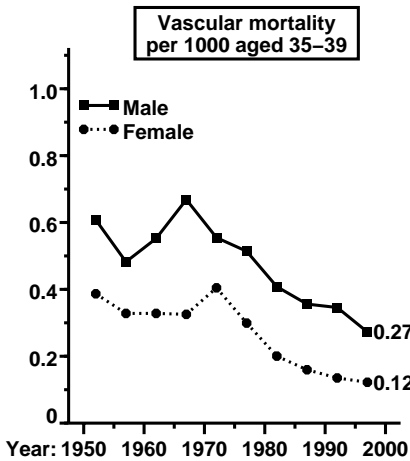
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 350-351

1950-2000: NEW ZEALAND

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 350-351

NORWAY: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	21676	885	5292	795.1	81.7	712.9	111.6	15.2	10.9	77.8	112.6	122.2	121.9
	F	22342	389	3121	504.1	37.8	406.6	84.9	12.1	12.9	34.3	33.9	39.1	47.8
Tuberculosis	M	29	-	3	1.0	-	0.4	-	-	-	-	-	-	-
	F	24	-	2	0.5	-	0.3	-	-	-	-	-	-	-
HIV	M	8	2	6	0.3	0.2	0.5	-	-	-	-	-	-	1.1
	F	7	2	5	0.3	0.2	0.5	-	-	0.7	-	-	0.6	-
Other infective and parasitic	M	204	6	31	7.2	0.6	4.3	2.7	-	-	1.5	-	-	-
	F	266	9	29	5.9	0.9	3.8	2.8	0.7	-	0.8	1.5	0.6	-
ALL CANCER	M	5532	59	1848	212.7	5.4	256.6	2.7	5.1	2.0	6.7	5.1	4.9	11.3
	F	4915	55	1594	145.7	5.1	206.1	5.6	4.0	2.1	3.9	-	4.4	15.3
Mouth and pharynx cancer	M	88	3	52	3.8	0.2	6.8	-	-	-	-	-	0.6	1.1
	F	52	1	23	1.7	0.1	2.9	-	-	0.7	-	-	-	-
Oesophagus cancer	M	105	-	45	4.2	-	6.0	-	-	-	-	-	-	-
	F	40	-	11	1.1	-	1.4	-	-	-	-	-	-	-
Stomach cancer	M	266	3	79	10.2	0.2	11.3	-	-	-	-	-	-	1.7
	F	197	-	41	5.0	-	5.4	-	-	-	-	-	-	-
Colorectal cancer	M	777	2	233	29.5	0.2	33.8	-	-	-	-	-	0.6	0.6
	F	817	2	201	21.5	0.2	26.7	-	-	-	-	-	-	1.2
Liver cancer	M	51	-	13	1.9	-	2.0	-	-	-	-	-	-	-
	F	32	1	5	0.9	0.1	0.7	0.7	-	-	-	-	-	-
Pancreas cancer	M	262	1	97	10.1	0.1	12.5	-	-	-	-	-	-	0.6
	F	309	1	62	8.1	0.1	8.5	-	-	-	-	-	-	0.6
Larynx cancer	M	33	-	17	1.4	-	2.5	-	-	-	-	-	-	-
	F	8	-	2	0.2	-	0.3	-	-	-	-	-	-	-
Lung cancer	M	1121	-	478	45.4	-	66.7	-	-	-	-	-	-	-
	F	652	1	295	22.9	0.1	39.1	-	-	-	-	-	-	0.6
Malignant melanoma	M	147	2	90	6.2	0.2	11.1	-	-	-	-	-	-	1.1
	F	66	2	27	2.2	0.2	3.1	-	-	-	-	-	-	1.2
Female breast cancer	F	761	7	320	24.4	0.6	39.4	-	-	-	-	-	-	4.1
Cervix cancer	F	99	4	54	3.6	0.3	6.1	-	-	-	-	-	1.3	1.2
Other uterine cancer	F	124	-	35	3.4	-	4.4	-	-	-	-	-	-	-
Ovarian cancer	F	295	-	124	9.6	-	16.0	-	-	-	-	-	-	-
Prostate cancer	M	1094	-	172	38.3	-	27.4	-	-	-	-	-	-	-
Bladder cancer	M	265	1	46	9.3	0.1	7.0	-	-	-	-	-	-	0.6
	F	123	-	16	2.8	-	2.4	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	863	31	359	34.5	2.8	46.9	2.0	2.5	1.4	2.2	2.9	3.1	5.6
	F	922	22	270	26.6	2.1	35.3	2.8	3.4	0.7	2.3	-	1.3	4.1
Hodgkin's disease	M	9	1	5	0.4	0.1	0.5	-	-	-	0.7	-	-	-
	F	9	2	1	0.2	0.2	0.1	-	-	-	-	-	0.6	0.6
Myeloma and non- Hodgkin lymphomas	M	297	4	111	11.6	0.4	15.0	0.7	-	-	0.7	1.4	-	-
	F	270	2	70	7.3	0.2	9.6	-	-	-	0.8	-	-	0.6
Leukaemia	M	154	11	51	6.0	1.1	7.0	-	2.5	0.7	3.0	0.7	0.6	-
	F	139	10	37	4.0	1.0	4.7	2.1	0.7	0.7	0.8	-	1.3	1.2
Diabetes	M	316	9	73	11.6	0.8	9.5	-	-	-	0.7	-	2.4	2.3
	F	339	3	37	7.2	0.3	5.2	-	-	-	-	-	1.3	0.6
ALL VASCULAR DISEASE	M	8659	30	1574	303.5	2.6	226.0	0.7	-	0.7	0.7	1.4	3.7	10.7
	F	9532	19	597	183.0	1.8	81.8	0.7	-	0.7	3.1	3.0	-	5.3
Rheumatic heart disease and fever	M	34	-	7	1.2	-	1.0	-	-	-	-	-	-	-
	F	64	-	5	1.3	-	0.8	-	-	-	-	-	-	-
Hypertensive disease	M	155	-	46	5.8	-	6.8	-	-	-	-	-	-	-
	F	191	1	13	3.9	0.1	1.7	-	-	-	0.8	-	-	-
Ischaemic heart disease	M	4398	10	990	158.2	0.8	141.1	-	-	-	-	0.7	0.6	4.5
	F	3784	1	302	76.4	0.1	41.7	-	-	-	-	-	-	0.6
Pulmonary embolism and other venous	M	76	4	15	2.8	0.3	2.2	-	-	-	-	-	1.2	1.1
	F	107	3	15	2.5	0.3	1.9	-	-	-	-	-	-	1.8
Cerebrovascular disease	M	1851	8	252	62.9	0.7	36.2	-	-	0.7	0.7	-	0.6	2.8
	F	2630	4	139	49.0	0.4	18.6	-	-	-	-	1.5	-	1.2
Other vascular disease	M	2145	8	264	72.6	0.7	38.7	0.7	-	-	-	0.7	1.2	2.3
	F	2756	10	123	49.9	1.0	17.1	0.7	-	0.7	2.3	1.5	-	1.8
Chronic obstructive pulmonary disease	M	945	2	156	33.5	0.2	25.0	0.7	-	-	-	0.7	-	-
	F	781	1	166	20.5	0.1	23.2	-	0.7	-	-	-	-	-
Other respiratory disease	M	1107	6	73	35.6	0.6	10.6	2.7	-	-	-	-	1.2	-
	F	1551	2	37	26.3	0.2	5.0	0.7	0.7	-	-	-	-	-
Peptic ulcer	M	113	-	26	4.0	-	3.8	-	-	-	-	-	-	-
	F	148	-	12	3.0	-	1.7	-	-	-	-	-	-	-
Liver cirrhosis	M	139	1	110	6.3	0.1	12.8	-	-	-	-	-	0.6	-
	F	85	1	57	3.4	0.1	6.8	-	-	-	-	-	-	0.6
Renal disease	M	210	2	15	6.8	0.2	2.4	-	-	-	0.7	-	-	0.6
	F	182	-	9	3.3	-	1.1	-	-	-	-	-	-	-
Pregnancy, birth Congenital and perinatal causes	F	2	2	-	0.1	0.2	-	-	-	-	-	0.8	-	0.6
	M	135	120	13	7.0	11.3	1.3	75.1	1.3	-	-	0.7	1.2	1.1
	F	106	90	12	5.6	9.0	1.3	54.7	0.7	1.4	-	1.5	3.2	1.2
Ill-defined causes	M	913	52	268	34.4	4.9	34.0	14.6	0.6	-	3.7	8.7	2.4	4.5
	F	1083	16	83	21.0	1.6	11.0	8.4	0.7	-	-	0.8	0.6	0.6
Other medical causes	M	1940	195	552	72.5	17.5	66.2	6.6	0.6	2.0	12.6	21.6	43.4	35.6
	F	2379	58	310	52.9	5.6	39.3	5.6	-	0.7	4.7	10.6	7.6	10.0
ALL NON- MEDICAL CAUSES	M	1426	401	544	58.8	37.5	59.5	6.0	7.6	6.1	51.1	74.3	62.3	54.7
	F	942	131	171	25.4	12.9	19.3	6.3	4.7	7.1	21.8	15.8	20.8	13.6
Motor vehicle traffic accidents	M	252	139	80	11.3	13.2	8.5	4.7	2.5	-	22.2	29.6	20.2	13.5
	F	91	38	24	3.6	3.8	2.4	1.4	1.3	2.1	8.6	4.5	5.7	2.9
Fire	M	40	10	18	1.7	1.0	1.9	-	-	0.7	0.7	2.9	1.2	1.1
	F	16	6	2	0.5	0.6	0.3	-	0.7	0.7	0.8	-	0.6	1.2
Suicide	M	409	154	207	18.1	14.4	21.5	-	-	2.7	20.8	30.3	25.0	22.0
	F	131	40	74	5.7	3.8	8.1	-	-	-	6.2	4.5	8.8	7.1
Homicide	M	29	11	16	1.3	1.0	1.7	0.7	1.3	-	1.5	0.7	1.2	1.7
	F	24	15	7	1.1	1.5	0.7	1.4	0.7	0.7	1.6	3.0	1.9	1.2
POPULATION: (1000s; UN, 2002 revision)			M=male		2214.6	1069.6	939.7	150.5	157.4	147.3	134.9	138.6	163.7	177.2
			F=female		2258.0	1020.6	922.7	142.5	148.8	140.0	128.4	132.7	158.7	169.5

2000: NORWAY

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
156.7	206.6	274.6	462.6	708.1	1133.6	2047.9	3472.4	5986.0	13598.2	M	ALL CAUSES	001-999/A00-Y89
77.2	102.0	176.7	286.7	457.1	704.5	1042.0	1907.1	3338.4	10571.4	F		
-	-	-	0.6	-	-	2.5	4.0	10.9	24.0	M	Tuberculosis	010-018, 137/ A15-A19, B90
1.8	0.6	-	-	0.8	-	-	4.4	4.4	10.5	F		
0.6	0.6	0.7	-	1.7	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
1.8	0.6	1.3	3.8	0.8	6.6	15.1	39.0	54.4	154.4	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
-	1.3	0.7	2.6	5.8	10.5	5.7	21.0	41.6	128.6	F		
24.3	39.2	76.2	174.3	273.9	441.4	767.0	1154.8	1710.7	2499.3	M	ALL CANCER	140-208/C00-C97
29.3	49.1	98.0	152.5	258.1	391.2	464.8	725.7	874.0	1362.4	F		
-	1.2	1.9	6.9	10.6	12.0	15.1	13.5	15.6	19.5	M	Mouth and pharynx cancer	140-149/C00-C14
-	0.6	2.7	1.3	5.0	6.3	4.5	3.3	4.4	15.8	F		
-	0.6	3.8	6.3	4.1	11.0	16.4	26.9	26.4	34.5	M	Oesophagus cancer	150/C15
-	-	-	2.6	0.8	2.1	4.5	4.4	9.9	12.0	F		
1.2	1.2	3.2	5.7	11.4	17.5	39.0	75.4	79.3	115.4	M	Stomach cancer	151/C16
-	3.2	2.0	3.9	3.3	10.5	14.8	28.8	29.6	77.4	F		
1.8	1.2	10.9	14.5	35.2	62.4	110.8	166.9	256.6	379.3	M	Colorectal cancer	153, 154/C18-C21
1.9	4.5	12.0	17.1	30.8	57.8	62.5	91.8	159.9	289.5	F		
-	-	-	0.6	2.5	2.2	8.8	9.4	20.2	27.0	M	Liver cancer	155.0/C22 excl C221
-	-	-	-	0.8	2.1	2.3	8.8	6.6	9.0	F		
1.2	2.5	2.6	14.5	21.3	16.4	29.0	52.5	101.1	90.0	M	Pancreas cancer	157/C25
0.6	0.6	2.7	5.3	8.3	17.9	23.9	57.5	72.3	96.2	F		
-	0.6	1.3	-	0.8	8.8	6.3	8.1	7.8	7.5	M	Larynx cancer	161/C32
-	-	-	-	-	1.1	1.1	2.2	3.3	0.8	F		
1.2	7.4	20.5	45.3	79.3	121.6	191.4	271.9	379.5	295.4	M	Lung cancer	162/C33, C34
1.9	7.0	12.7	26.3	56.6	71.5	97.7	153.8	122.7	78.9	F		
2.4	3.1	3.2	15.7	13.9	20.8	18.9	17.5	31.1	33.0	M	Malignant melanoma	172/C43
2.5	1.9	4.0	0.7	5.0	5.3	2.3	12.2	8.8	13.5	F		
6.2	14.7	24.0	38.1	60.0	57.8	75.0	94.0	111.7	185.7	F	Female breast cancer	174/C50
1.9	5.1	8.7	6.6	3.3	8.4	9.1	12.2	14.2	12.8	F	Cervix cancer	180/C53
-	-	2.0	4.6	10.0	7.4	6.8	15.5	24.1	39.8	F	Other uterine cancer	179, 182/C54, C55
3.7	2.6	4.7	15.1	18.3	37.9	29.5	40.9	63.5	57.1	F	Ovarian cancer	183/C56, C570-C574
-	-	2.6	6.9	15.5	47.1	119.6	211.3	357.7	802.1	M	Prostate cancer	185/C61
-	0.6	-	1.9	8.2	13.1	25.2	43.1	96.4	185.9	M	Bladder cancer	188/C67
-	-	-	0.7	2.5	2.1	11.4	17.7	24.1	51.9	F		
8.9	14.1	19.2	40.3	53.1	75.6	117.1	173.6	224.0	299.9	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
9.3	7.7	17.3	21.0	36.6	64.1	90.9	132.7	152.2	278.9	F		
1.2	0.6	-	0.6	-	1.1	-	-	1.6	3.0	M	Hodgkin's disease	201/C81
-	-	-	0.7	-	-	-	1.1	1.1	3.0	F		
4.2	4.3	5.1	11.3	12.3	19.7	47.9	60.6	76.2	131.9	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.6	-	3.3	5.3	9.2	27.3	21.6	33.2	47.1	94.0	F		
2.4	1.8	1.9	3.8	5.7	12.0	21.4	24.2	37.3	75.0	M	Leukaemia	204-208/C91-C95
0.6	1.3	2.0	3.3	7.5	11.6	6.8	15.5	18.6	45.9	F		
2.4	5.5	3.2	5.7	9.8	19.7	20.2	71.3	88.6	185.9	M	Diabetes	250/E10-E14
0.6	-	2.0	2.6	4.2	7.4	19.3	29.9	55.9	166.2	F		
11.9	38.6	58.9	125.9	193.8	392.1	760.7	1386.3	2603.4	6523.2	M	ALL VASCULAR DISEASE	390-459/I00-I99
8.7	12.1	22.0	49.3	72.4	136.7	271.6	652.7	1405.3	5295.5	F		
-	-	-	0.6	1.6	-	5.0	9.4	9.3	21.0	M	Rheumatic heart disease and fever	390-398/I00-I09
0.6	1.2	0.6	3.8	3.3	16.4	21.4	8.8	8.8	32.3	F		
-	0.6	-	2.0	2.5	4.2	2.3	28.3	34.2	99.0	M	Hypertensive disease	401-405/I10-I15
-	-	-	-	-	-	-	23.2	23.0	101.5	F		
5.9	24.5	40.3	81.8	128.4	244.2	462.2	752.4	1379.5	2926.5	M	Ischaemic heart disease	410-414/I20-I25
3.7	4.5	7.3	25.6	40.0	75.7	135.2	341.8	626.5	1954.9	F		
0.6	-	-	1.3	1.6	4.4	7.6	14.8	21.8	48.0	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.6	-	1.3	1.3	2.5	1.1	6.8	13.3	25.2	40.6	F		
4.2	4.9	12.8	18.9	29.4	46.0	137.3	267.8	587.9	1520.2	M	Cerebrovascular disease	430-438/I60-I69
3.1	3.2	8.7	12.5	15.0	25.2	62.5	143.8	389.9	1504.5	F		
0.6	8.0	5.1	19.5	29.4	81.1	127.2	313.6	570.8	1908.5	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
1.2	3.8	4.7	7.9	12.5	27.3	62.5	121.7	331.9	1661.7	F		
1.2	1.2	3.2	3.1	13.9	36.1	115.9	211.3	348.4	608.7	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.6	1.9	2.7	13.8	24.1	42.1	77.3	126.1	191.7	244.4	F		
1.2	2.5	0.6	4.4	12.3	15.3	37.8	95.6	230.2	1212.9	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
0.6	1.9	0.7	3.3	4.2	9.5	14.8	48.7	142.4	1006.0	F		
0.6	-	-	1.9	5.7	3.3	15.1	14.8	31.1	84.0	M	Peptic ulcer	531-533/K25-K27
-	0.6	-	-	1.7	4.2	5.7	12.2	23.0	78.2	F		
4.2	4.3	9.0	18.3	18.8	19.7	15.1	20.2	9.3	10.5	M	Liver cirrhosis	571/K70, K74
-	2.6	2.7	9.9	13.3	11.6	8.0	7.7	8.8	9.0	F		
-	-	0.6	-	1.6	4.4	10.1	20.2	60.7	208.4	M	Renal disease	580-590/N00-N19
-	-	0.7	2.0	0.8	-	4.5	6.6	32.9	103.0	F		
0.6	1.2	0.6	3.1	2.5	1.1	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
1.2	0.6	1.3	1.3	1.7	3.2	-	3.3	-	0.8	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
9.5	15.3	13.4	25.8	45.0	62.4	66.8	121.1	211.5	550.2	F	Ill-defined causes	780-799/R00-R99
1.2	3.8	4.0	5.9	13.3	15.8	33.0	43.1	104.1	639.1	F		
46.3	40.5	48.0	44.7	63.8	76.7	143.6	228.8	477.4	1073.5	M	Other medical causes	Rest of 001-799/ rest of A00-R99
18.7	14.0	20.0	25.0	40.0	49.4	108.0	178.1	363.6	1141.4	F		
51.0	57.0	59.5	50.3	65.4	54.8	78.1	105.0	146.2	463.3	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
15.6	13.4	21.3	18.4	15.8	23.1	27.3	47.6	90.9	386.5	F		
11.9	8.0	7.7	5.7	10.6	6.6	8.8	13.5	9.3	25.5	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
4.4	1.9	4.0	2.6	0.8	1.1	2.3	6.6	14.2	7.5	F		
1.2	1.8	0.6	4.4	1.6	3.3	-	8.1	-	9.0	M	Fire	E890-E899/X00-X09
-	-	-	-	-	1.1	1.1	-	3.3	3.8	F		
23.1	23.9	28.2	18.3	20.4	16.4	20.2	28.3	14.0	27.0	M	Suicide	E950-E959/X60-X84
8.1	7.0	10.7	6.6	6.7	8.4	9.1	5.5	8.8	3.0	F		
1.2	2.5	2.6	1.3	0.8	-	3.8	1.3	-	1.5	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.2	0.6	0.7	0.7	0.8	-	1.1	1.1	1.1	-	F		
168.5	163.1	156.2	158.9	122.3	91.3	79.4	74.3	64.3	66.7	M	POPULATION	
160.6	156.8	150.0	152.1	120.1	95.1	88.0	90.4	91.3	133.0	F	(1000s; UN, 2002 revision)	

NORWAY: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	846	60	1	3	56	7	3	34	3	329	410
35-69	Sm.	1342	610	433	59	118	112	19	426	-	175	-
	Total	5941 (23%)	1811 (34%)	492 (88%)	116 (51%)	1203 (10%)	162 (69%)	108 (18%)	2310 (18%)	85	938 (19%)	527
70+	Sm.	2185	847	528	64	255	451	98	611	-	178	-
	Total	16237 (13%)	3708 (23%)	609 (87%)	131 (49%)	2968 (9%)	712 (63%)	1368 (7%)	7672 (8%)	42	2258 (8%)	477
Any age	Sm.	3527	1457	961	123	373	563	117	1037	-	353	-
	Total	23024 (15%)	5579 (26%)	1102 (87%)	250 (49%)	4227 (9%)	881 (64%)	1479 (8%)	10016 (10%)	130	3525 (10%)	1414
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	885	59	0	3	56	2	6	30	1	386	401
35-69	Sm.	1162	584	416	56	112	101	12	275	-	190	-
	Total	5292 (22%)	1848 (32%)	478 (87%)	114 (49%)	1256 (9%)	156 (65%)	73 (16%)	1574 (17%)	110	987 (19%)	544
70+	Sm.	2266	883	561	55	267	517	81	580	-	205	-
	Total	15499 (15%)	3625 (24%)	643 (87%)	109 (50%)	2873 (9%)	787 (66%)	1028 (8%)	7055 (8%)	28	2495 (8%)	481
Any age	Sm.	3428	1467	977	111	379	618	93	855	-	395	-
	Total	21676 (16%)	5532 (27%)	1121 (87%)	226 (49%)	4185 (9%)	945 (65%)	1107 (8%)	8659 (10%)	139	3868 (10%)	1426

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	2155.6	1080.3	873.4	162.8	156.6	160.4	124.9	95.6	86.6	86.5	83.2	60.6	58.1
2000	2214.6	1069.6	939.7	168.5	163.1	156.2	158.9	122.3	91.3	79.4	74.3	64.3	66.7
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	23024	846	5941	228	290	549	622	823	1243	2186	3356	4154	8727
2000	21676	885	5292	264	337	429	735	866	1035	1626	2580	3849	9070
Lung cancer													
1995	1102	1	492	1	5	23	57	68	127	211	254	200	155
2000	1121	-	478	2	12	32	72	97	111	152	202	244	197
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	903.0*	76.0*	855.6*	140.0	185.2	342.3	498.0	860.9	1435.3	2527.2	4033.7	6854.8	15020.7
2000	795.1*	81.7*	712.9*	156.7	206.6	274.6	462.6	708.1	1133.6	2047.9	3472.4	5986.0	13598.2
All cancer													
1995	224.5*	5.5*	266.6*	22.1	30.7	93.5	164.9	279.3	453.8	822.0	1201.9	1823.4	2759.0
2000	212.7*	5.4*	256.6*	24.3	39.2	76.2	174.3	273.9	441.4	767.0	1154.8	1710.7	2499.3
Lung cancer													
1995	47.0*	0.1*	75.1*	0.6	3.2	14.3	45.6	71.1	146.7	243.9	305.3	330.0	266.8
2000	45.4*	-	66.7*	1.2	7.4	20.5	45.3	79.3	121.6	191.4	271.9	379.5	295.4
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	10.8*	0.3*	16.9*	1.2	1.9	5.0	15.2	22.0	24.2	48.6	49.3	66.0	86.1
2000	9.4*	0.2*	15.4*	-	2.5	7.0	13.2	15.5	31.8	37.8	48.5	49.8	61.5
Other cancer													
1995	166.8*	5.1*	174.7*	20.3	25.5	74.2	104.1	186.2	282.9	529.5	847.4	1427.4	2406.2
2000	157.9*	5.1*	174.6*	23.1	29.4	48.7	115.8	179.1	288.1	537.8	834.5	1281.5	2142.4
Chronic obstructive pulmonary disease (COPD)													
1995	33.2*	0.6*	25.4*	0.6	0.6	3.1	8.0	18.8	50.8	96.0	195.9	336.6	593.8
2000	33.5*	0.2*	25.0*	1.2	1.2	3.2	3.1	13.9	36.1	115.9	211.3	348.4	608.7
Other respiratory disease													
1995	52.7*	0.3*	16.5*	1.2	1.3	3.7	4.8	15.7	27.7	61.3	155.0	410.9	1704.0
2000	35.6*	0.6*	10.6*	1.2	2.5	0.6	4.4	12.3	15.3	37.8	95.6	230.2	1212.9
Vascular disease													
1995	385.1*	3.0*	346.7*	20.3	43.4	91.6	172.9	327.4	629.3	1142.2	1838.9	3257.4	7173.8
2000	303.5*	2.6*	226.0*	11.9	38.6	58.9	125.9	193.8	392.1	760.7	1386.3	2603.4	6523.2
Liver cirrhosis													
1995	6.1*	0.3*	11.4*	2.5	5.1	6.9	10.4	17.8	21.9	15.0	21.6	29.7	10.3
2000	6.3*	0.1*	12.8*	4.2	4.3	9.0	18.3	18.8	19.7	15.1	20.2	9.3	10.5
Other medical causes													
1995	141.1*	29.5*	126.5*	46.1	58.7	68.6	83.3	139.1	188.2	301.7	520.4	826.7	2278.8
2000	144.8*	35.5*	122.5*	62.9	63.8	67.2	86.2	130.0	174.2	273.3	499.3	937.8	2280.4
All non-medical causes													
1995	60.5*	36.8*	62.3*	47.3	45.3	74.8	53.6	62.8	63.5	89.0	99.8	170.0	500.9
2000	58.8*	37.5*	59.5*	51.0	57.0	59.5	50.3	65.4	54.8	78.1	105.0	146.2	463.3

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: NORWAY

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	364	58	0	0	58	4	3	23	1	178	97
35-69	Sm.	534	237	194	10	33	88	9	131	-	69	-
	Total	3272	1664	261	23	1380	141	50	776	45	406	190
		(16%)	(14%)	(74%)	(43%)	(2%)	(62%)	(18%)	(17%)		(17%)	
70+	Sm.	977	220	159	19	42	226	66	338	-	127	-
	Total	18522	3070	246	63	2761	442	1930	9052	28	3427	573
		(5%)	(7%)	(65%)	(30%)	(2%)	(51%)	(3%)	(4%)		(4%)	
Any age	Sm.	1511	457	353	29	75	314	75	469	-	196	-
	Total	22158	4792	507	86	4199	587	1983	9851	74	4011	860
		(7%)	(10%)	(70%)	(34%)	(2%)	(53%)	(4%)	(5%)		(5%)	
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	389	55	1	1	53	1	2	19	1	180	131
35-69	Sm.	594	275	225	16	34	109	7	111	-	92	-
	Total	3121	1594	295	36	1263	166	37	597	57	499	171
		(19%)	(17%)	(76%)	(44%)	(3%)	(66%)	(19%)	(19%)		(18%)	
70+	Sm.	1522	365	269	26	70	380	75	489	-	213	-
	Total	18832	3266	356	63	2847	614	1512	8916	27	3857	640
		(8%)	(11%)	(76%)	(41%)	(2%)	(62%)	(5%)	(5%)		(6%)	
Any age	Sm.	2116	640	494	42	104	489	82	600	-	305	-
	Total	22342	4915	652	100	4163	781	1551	9532	85	4536	942
		(9%)	(13%)	(76%)	(42%)	(2%)	(63%)	(5%)	(6%)		(7%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		2203.9	1029.9	864.3	156.0	149.6	152.3	121.1	97.0	91.5	96.8	104.2	88.6	116.9
2000		2258.0	1020.6	922.7	160.6	156.8	150.0	152.1	120.1	95.1	88.0	90.4	91.3	133.0
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		22158	364	3272	107	174	296	336	445	699	1215	2215	3266	13041
2000		22342	389	3121	124	160	265	436	549	670	917	1724	3048	14060
Lung cancer														
1995		507	-	261	3	16	27	30	39	49	97	86	84	76
2000		652	1	295	3	11	19	40	68	68	86	139	112	105
ANNUAL DEATH RATE / 100,000														
All causes					(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)									
1995		540.3*	34.6*	447.8*	68.6	116.3	194.4	277.5	458.8	763.9	1255.2	2125.7	3686.2	11155.7
2000		504.1*	37.8*	406.6*	77.2	102.0	176.7	286.7	457.1	704.5	1042.0	1907.1	3338.4	10571.4
All cancer														
1995		151.4*	5.4*	226.0*	32.1	64.2	109.7	164.3	274.2	403.3	534.1	652.6	891.6	1368.7
2000		145.7*	5.1*	206.1*	29.3	49.1	98.0	152.5	258.1	391.2	464.8	725.7	874.0	1362.4
Lung cancer														
1995		18.6*	-	35.6*	1.9	10.7	17.7	24.8	40.2	53.6	100.2	82.5	94.8	65.0
2000		22.9*	0.1*	39.1*	1.9	7.0	12.7	26.3	56.6	71.5	97.7	153.8	122.7	78.9
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		2.4*	-	3.3*	-	0.7	0.7	1.7	2.1	7.7	10.3	10.6	12.4	35.1
2000		3.0*	0.1*	4.7*	-	0.6	2.7	3.9	5.8	9.5	10.2	10.0	17.5	28.6
Other cancer														
1995		130.3*	5.4*	187.1*	30.1	52.8	91.3	137.9	232.0	342.1	423.6	559.5	784.4	1268.6
2000		119.8*	4.9*	162.4*	27.4	41.5	82.7	122.3	195.7	310.2	356.8	561.9	733.8	1254.9
Chronic obstructive pulmonary disease (COPD)														
1995		16.7*	0.4*	20.2*	-	1.3	6.6	5.8	19.6	35.0	73.3	115.2	151.2	160.8
2000		20.5*	0.1*	23.2*	0.6	1.9	2.7	13.8	24.1	42.1	77.3	126.1	191.7	244.4
Other respiratory disease														
1995		37.5*	0.3*	7.2*	0.6	-	2.0	0.8	4.1	9.8	33.1	72.0	242.7	1402.9
2000		26.3*	0.2*	5.0*	0.6	1.9	0.7	3.3	4.2	9.5	14.8	48.7	142.4	1006.0
Vascular disease														
1995		212.2*	2.2*	111.0*	4.5	12.0	25.6	42.9	83.5	191.3	417.4	892.5	1678.3	5675.8
2000		183.0*	1.8*	81.8*	8.7	12.1	22.0	49.3	72.4	136.7	271.6	652.7	1405.3	5295.5
Liver cirrhosis														
1995		2.9*	0.1*	5.9*	2.6	2.0	3.3	5.8	5.2	10.9	11.4	8.6	7.9	10.3
2000		3.4*	0.1*	6.8*	-	2.6	2.7	9.9	13.3	11.6	8.0	7.7	8.8	9.0
Other medical causes														
1995		94.6*	17.0*	54.7*	14.7	15.4	26.9	33.9	53.6	84.2	153.9	326.3	627.5	2165.1
2000		99.9*	17.7*	64.3*	22.4	21.0	29.3	39.4	69.1	90.4	178.4	298.7	625.4	2267.7
All non-medical causes														
1995		25.0*	9.3*	22.8*	14.1	21.4	20.4	23.9	18.6	29.5	32.0	58.5	86.9	372.1
2000		25.4*	12.9*	19.3*	15.6	13.4	21.3	18.4	15.8	23.1	27.3	47.6	90.9	386.5

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

NORWAY: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.9	– / 0.4	–
35–69	1.2 / 5.3	0.6 / 3.1	23 years
70+	2.3 / 15	1.5 / 19	8 years
All ages	3.4 / 22	2.1 / 22	13 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

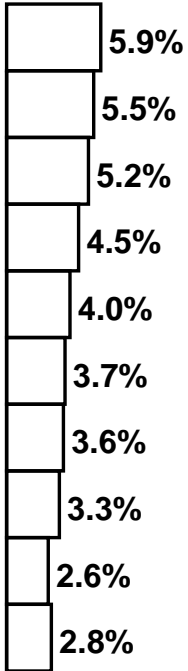
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	0.4/0.5	0.6/0.6	1.0/1.1	–/0.0	0.2/0.3	0.3/0.4	0.5/0.7
All Cancer	–/0.1	0.6/1.8 (32%)	0.9/3.6 (24%)	1.5/5.5	–/0.1	0.3/1.6 (17%)	0.4/3.3 (11%)	0.6/4.9
Vascular	–/0.0	0.3/1.6	0.6/7.1	0.9/8.7	–/0.0	0.1/0.6	0.5/8.9	0.6/9.5
Respiratory	–/0.0	0.1/0.2	0.6/1.8	0.7/2.1	–/0.0	0.1/0.2	0.5/2.1	0.6/2.3
All Other	–/0.8	0.2/1.6	0.2/3.0	0.4/5.4	–/0.3	0.1/0.7	0.2/4.5	0.3/5.6
All Causes	–/0.9	1.2/5.3 (22%)	2.3/15 (15%)	3.4/22	–/0.4	0.6/3.1 (19%)	1.5/19 (8%)	2.1/22

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	1.5 / 5.5 (27%)	0.6 / 4.9 (13%)	2.1 / 10 (20%)
All Causes	3.4 / 22 (16%)	2.1 / 22 (9%)	5.5 / 44 (13%)

1955-2000: NORWAY

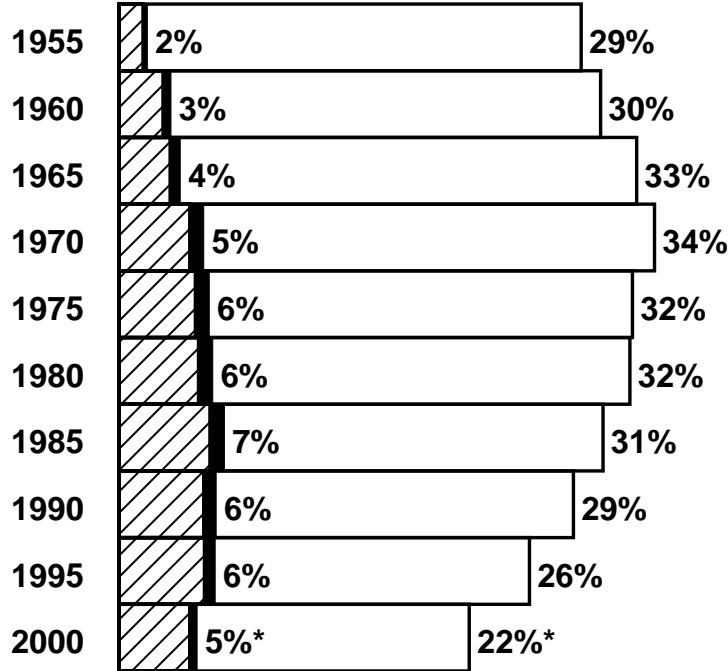
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

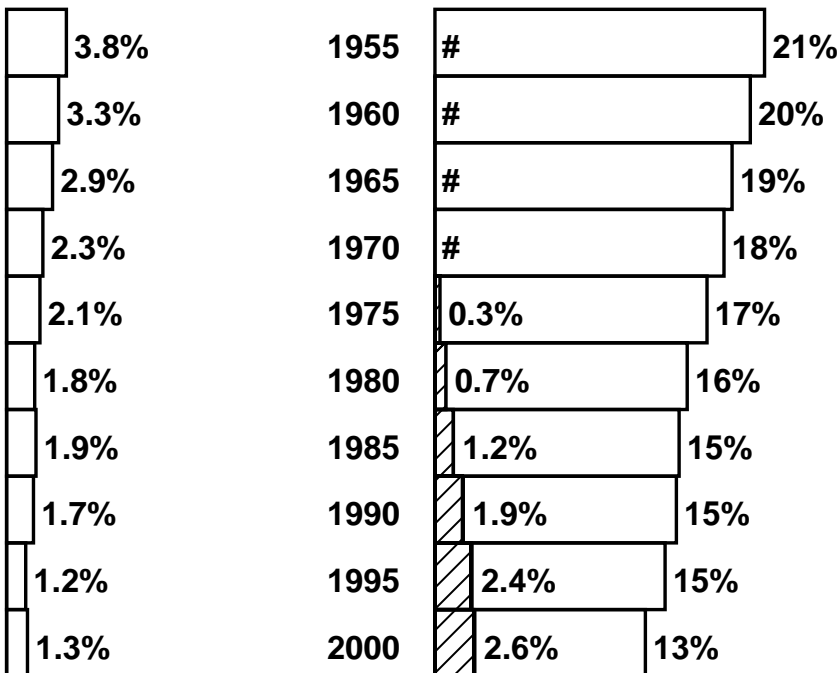
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 22 would die before age 70 (with 5 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

NORWAY: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/1.7	0.4/5.4 (7%)	0.0/7.7 (0.1%)	0.4/15	-/1.1	0.0/4.0	0.0/9.2	0.0/14
1960	-/1.6	0.7/6.3 (11%)	0.1/9.2 (1%)	0.8/17	-/0.9	0.0/4.1	0.0/10	0.0/15
1965	-/1.5	0.9/7.4 (12%)	0.3/10 (3%)	1.2/19	-/0.8	0.0/4.2	0.0/11	0.0/16
1970	-/1.4	1.3/8.1 (16%)	0.6/12 (5%)	1.9/21	-/0.7	0.0/4.3	0.0/12	0.0/17
1975	-/1.3	1.4/7.9 (18%)	0.9/13 (7%)	2.3/22	-/0.6	0.1/4.1 (2%)	0.0/13	0.1/18
1980	-/1.1	1.5/8.0 (18%)	1.3/13 (9%)	2.7/23	-/0.5	0.2/3.8 (5%)	0.0/14	0.2/19
1985	-/1.1	1.6/7.5 (22%)	1.8/15 (12%)	3.4/24	-/0.5	0.3/3.7 (8%)	0.5/16 (3%)	0.8/21
1990	-/1.1	1.4/6.9 (21%)	1.9/16 (12%)	3.4/24	-/0.5	0.4/3.6 (12%)	0.6/18 (3%)	1.0/22
1995	-/0.8	1.3/5.9 (23%)	2.2/16 (13%)	3.5/23	-/0.4	0.5/3.3 (16%)	1.0/19 (5%)	1.5/22
2000	-/0.9	1.2/5.3 (22%)	2.3/15 (15%)	3.4/22	-/0.4	0.6/3.1 (19%)	1.5/19 (8%)	2.1/22

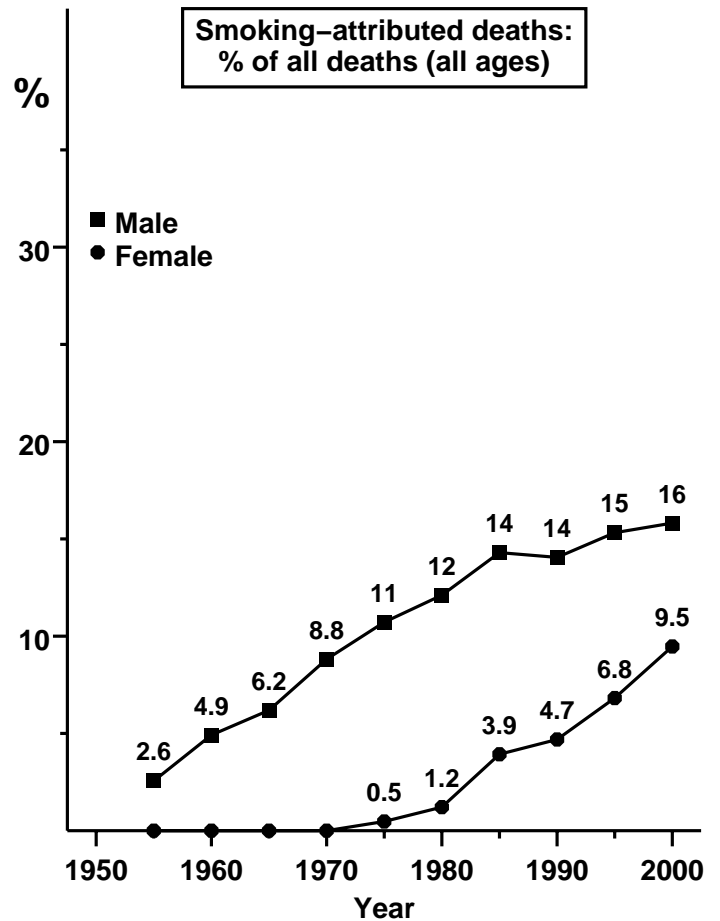
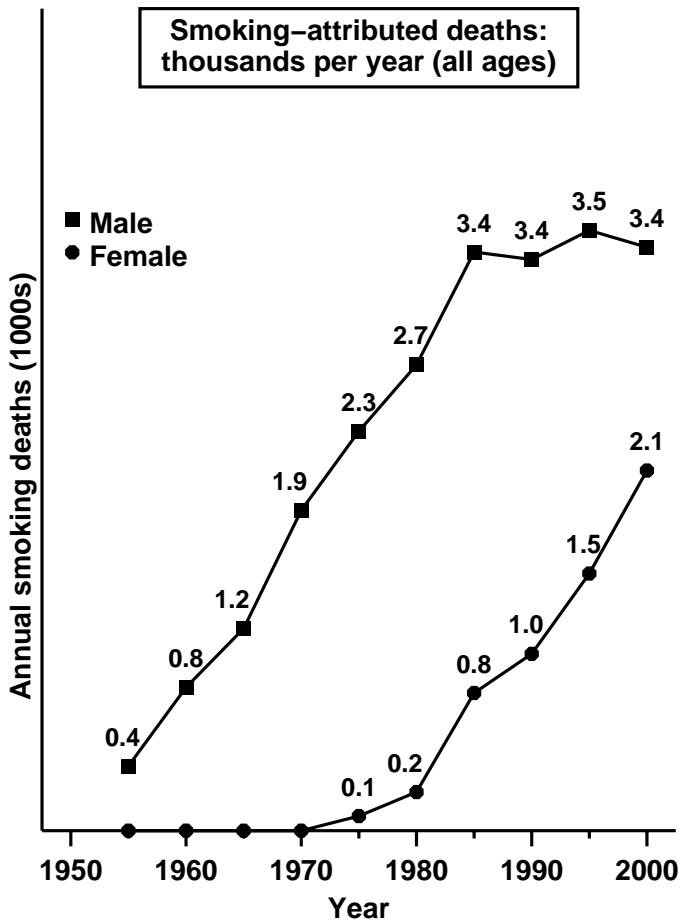
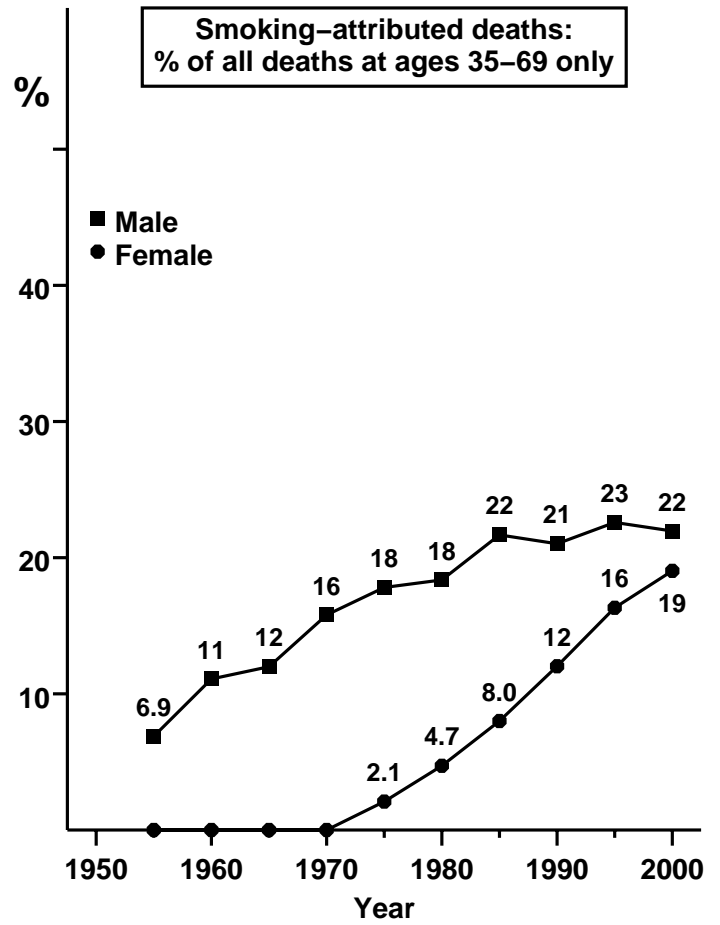
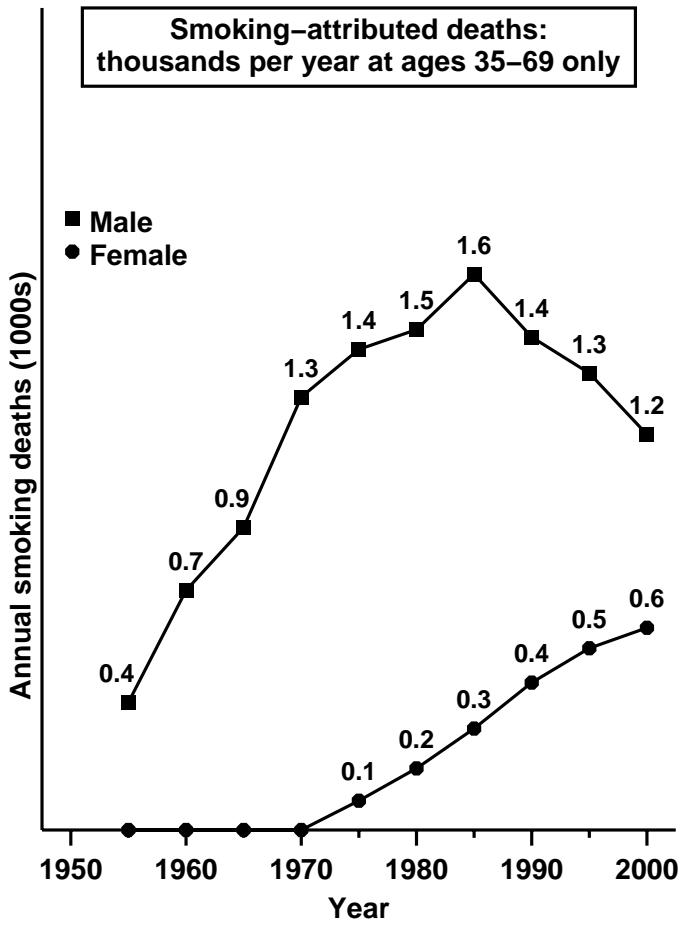
50-year total* (thousands), mid-1950 to mid-2000: 132 / 1940

1950-2000 by age & sex:

-/64	57/343 (16%)	52/620 (8%)	108/1027	-/34	9.2/193 (5%)	15/686 (2%)	24/913
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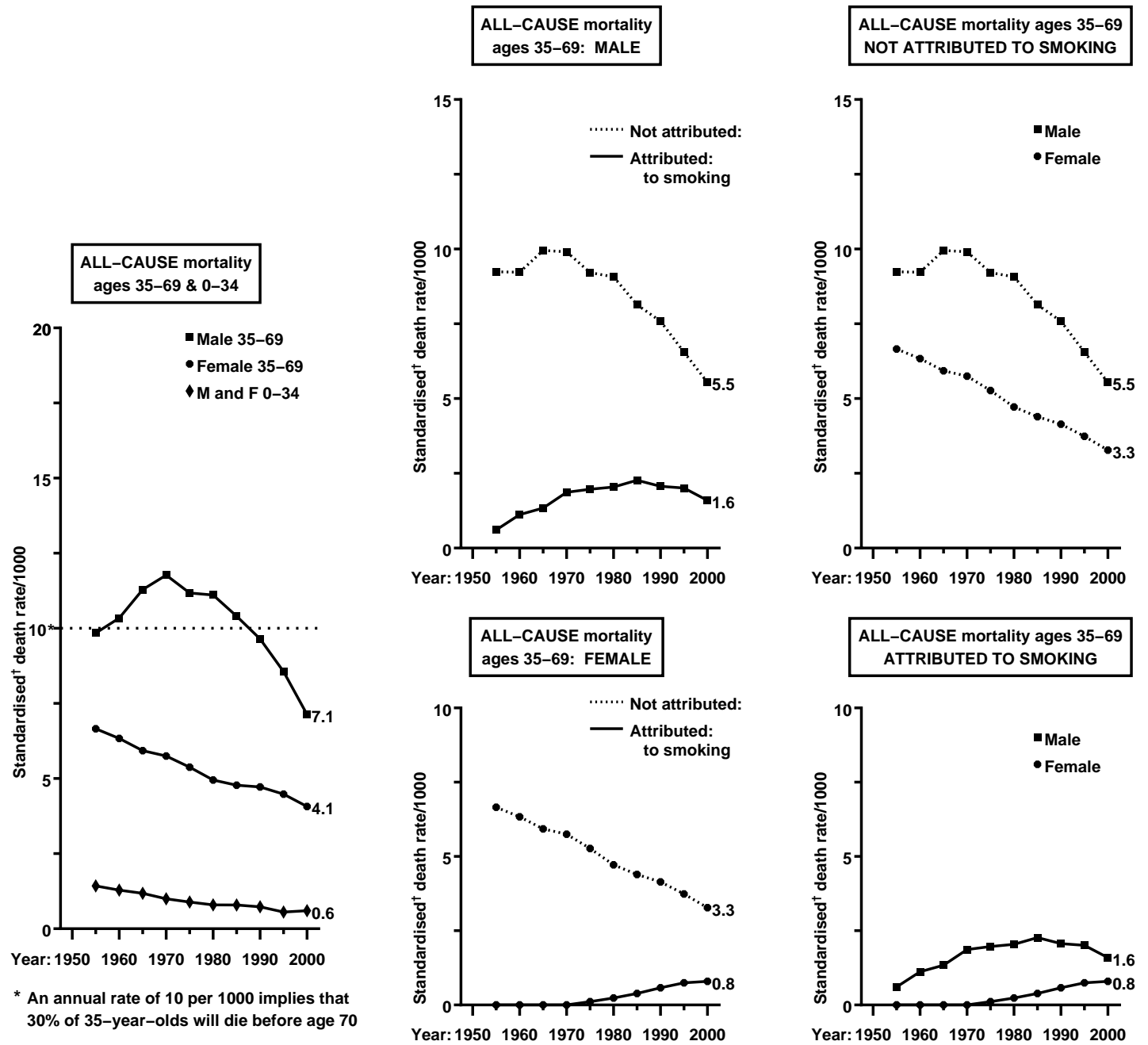
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: NORWAY



NORWAY: 1955-2000

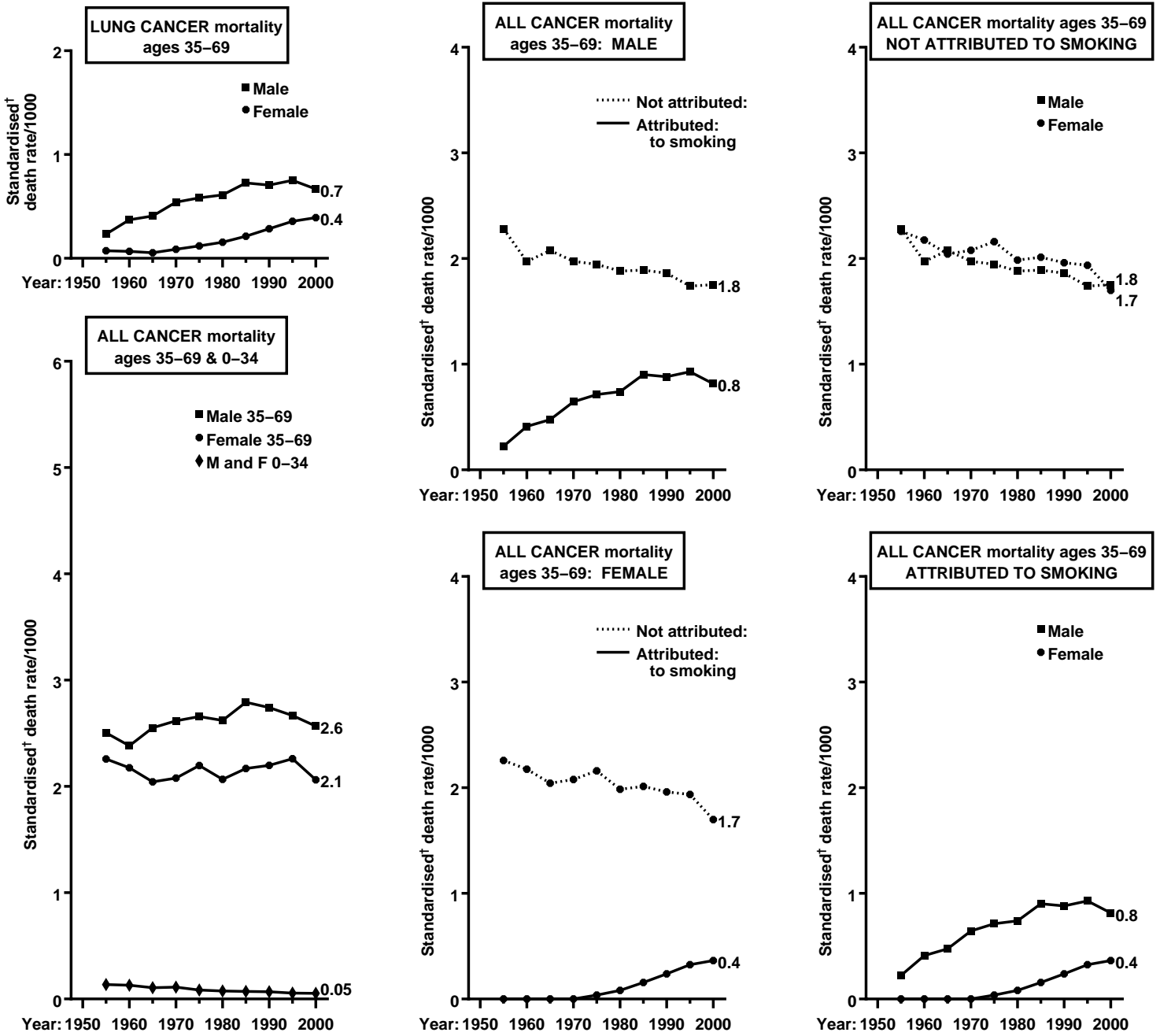
Trends in ALL-CAUSE mortality attributed and not attributed to smoking



Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	1.75	0.60	9.24	0.06	54.5	-	1.10	0.00	6.65	0.00	46.6	-	1.10	0.00	46.6
1960	-	1.61	1.12	9.22	1.11	57.4	-	0.95	0.00	6.33	0.00	46.5	-	0.95	0.00	46.5
1965	-	1.51	1.34	9.95	2.21	59.1	-	0.84	0.00	5.93	0.00	44.8	-	0.84	0.00	44.8
1970	-	1.33	1.86	9.90	4.12	61.5	-	0.66	0.00	5.75	0.00	42.4	-	0.66	0.00	42.4
1975	-	1.16	1.97	9.21	5.73	58.3	-	0.61	0.11	5.27	0.00	39.2	-	0.61	0.00	39.2
1980	-	1.07	2.04	9.07	6.89	54.5	-	0.51	0.23	4.72	0.25	35.3	-	0.51	0.25	35.3
1985	-	1.04	2.27	8.14	8.74	54.8	-	0.53	0.38	4.39	1.49	32.1	-	0.53	1.49	32.1
1990	-	0.97	2.06	7.58	8.82	50.7	-	0.49	0.58	4.14	1.67	30.9	-	0.49	1.67	30.9
1995	-	0.76	2.01	6.55	8.94	45.5	-	0.35	0.74	3.73	2.35	26.7	-	0.35	2.35	26.7
2000	-	0.82	1.59	5.54	8.51	38.8	-	0.38	0.79	3.27	3.70	22.5	-	0.38	3.70	22.5

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

Trends in ALL CANCER mortality attributed and not attributed to smoking



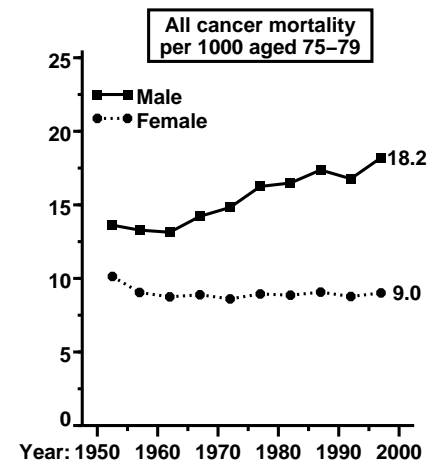
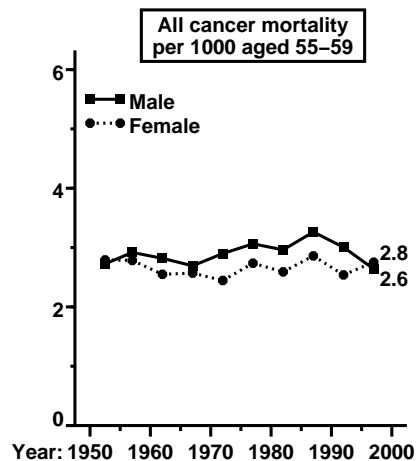
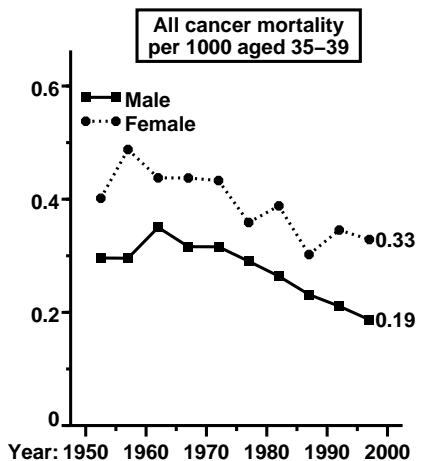
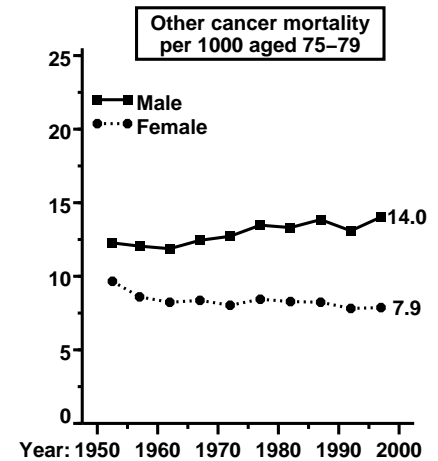
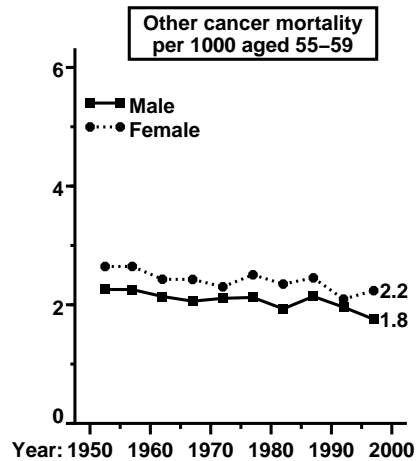
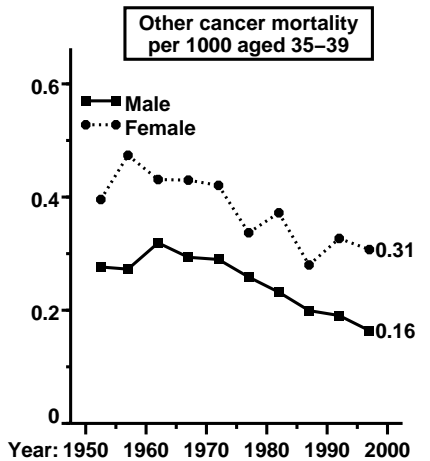
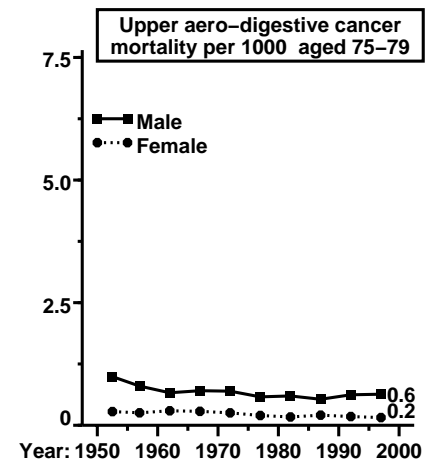
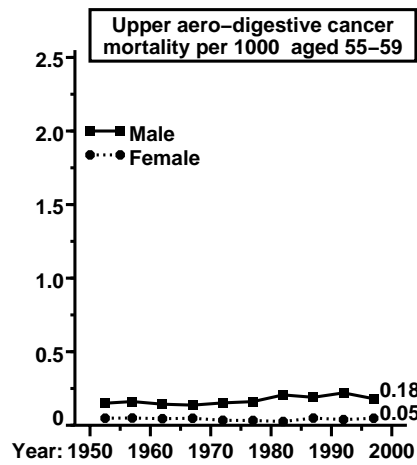
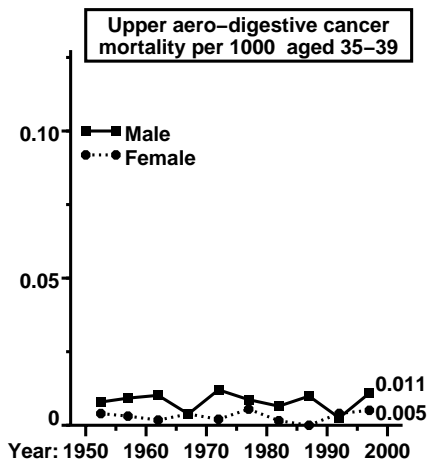
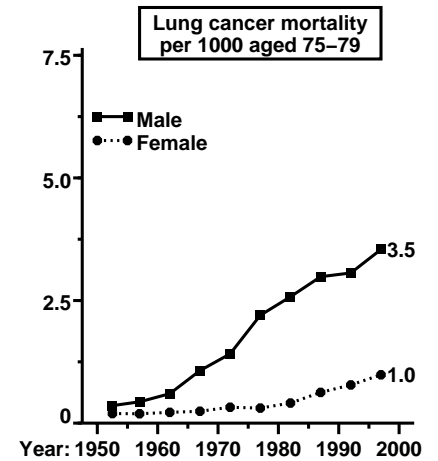
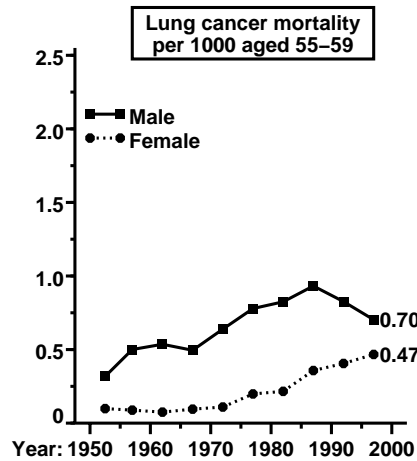
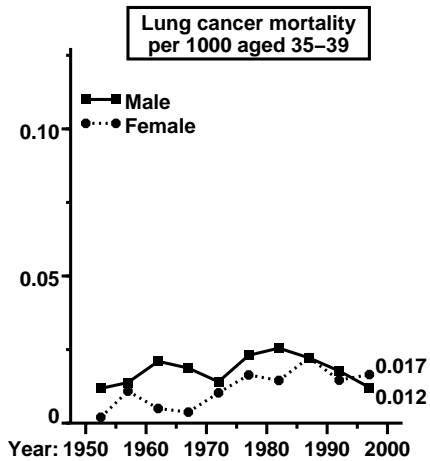
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	0.13	0.22	2.28	0.02	11.0	-	0.14	0.00	2.26	0.00	8.34	-	0.12	0.00	7.77
1960	-	0.14	0.41	1.97	0.47	11.4	-	0.08	0.00	2.04	0.00	7.69	-	0.10	0.00	7.61
1965	-	0.13	0.47	2.08	0.91	11.5	-	0.07	0.04	2.16	0.00	7.26	-	0.07	0.07	7.87
1970	-	0.12	0.64	1.97	2.26	11.2	-	0.07	0.08	1.98	0.07	7.87	-	0.07	0.16	2.01
1975	-	0.10	0.71	1.94	2.77	11.4	-	0.06	0.16	2.01	0.45	7.66	-	0.06	0.24	1.96
1980	-	0.08	0.74	1.88	3.70	10.9	-	0.05	0.24	1.96	0.53	7.68	-	0.05	0.32	1.94
1985	-	0.07	0.90	1.89	4.05	11.1	-	0.05	0.32	1.94	0.72	7.00	-	0.05	0.36	1.70
1990	-	0.07	0.88	1.86	4.06	10.3	-	0.05	0.36	1.70	1.32	6.68	-	0.05	0.36	1.70
1995	-	0.05	0.93	1.74	4.06	10.3	-	0.05	0.36	1.70	1.32	6.68	-	0.05	0.36	1.70
2000	-	0.05	0.81	1.75	4.06	10.3	-	0.05	0.36	1.70	1.32	6.68	-	0.05	0.36	1.70

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

NORWAY: 1951-2000

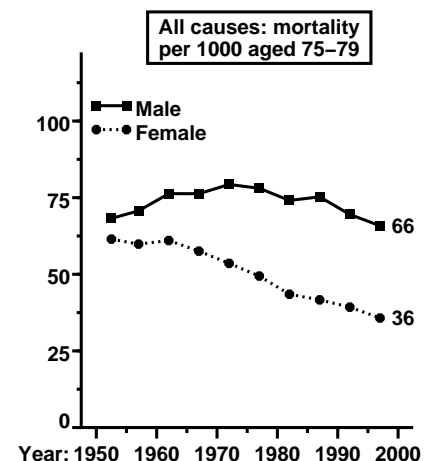
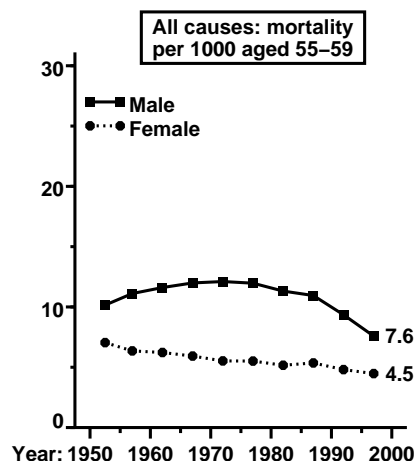
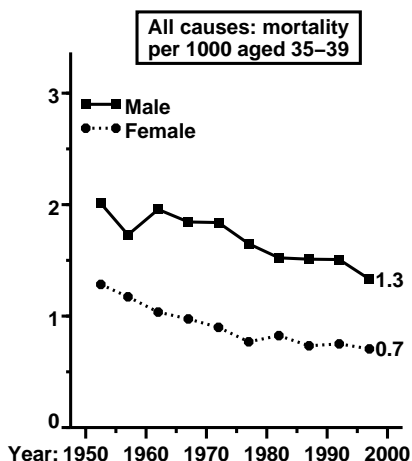
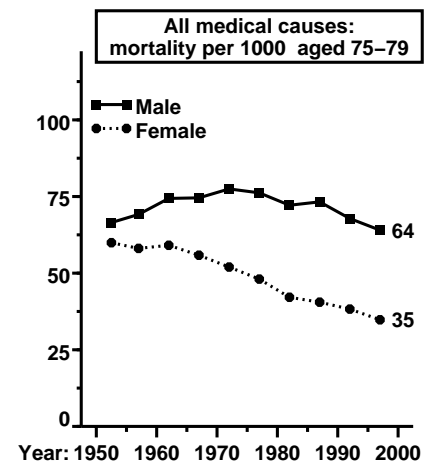
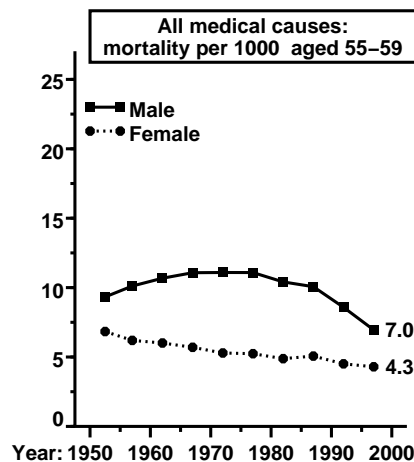
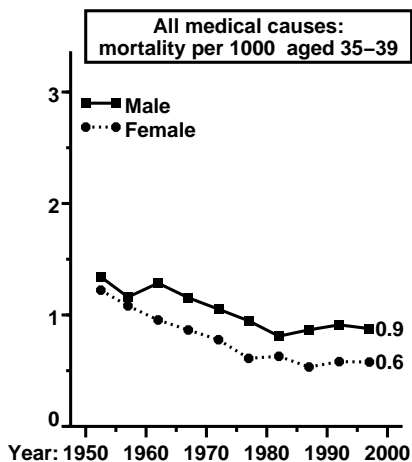
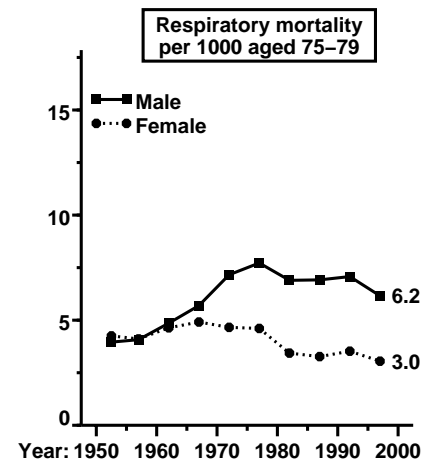
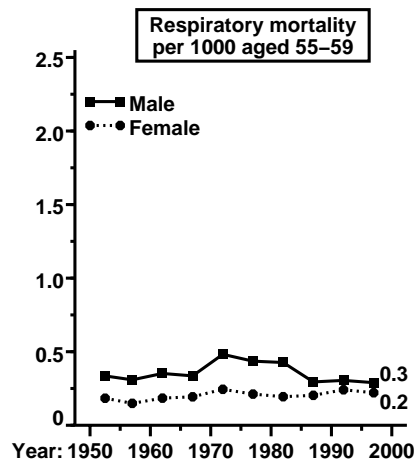
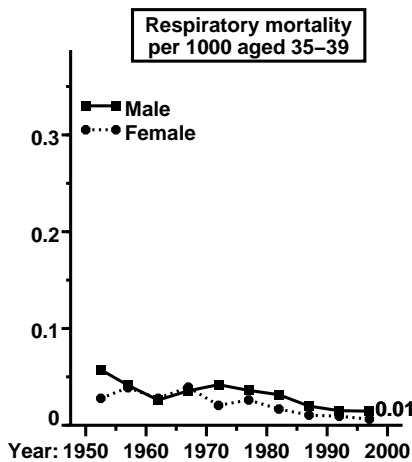
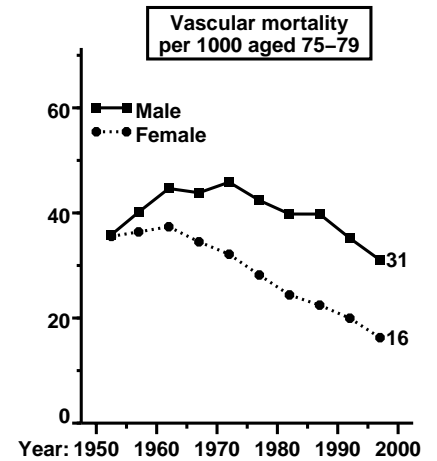
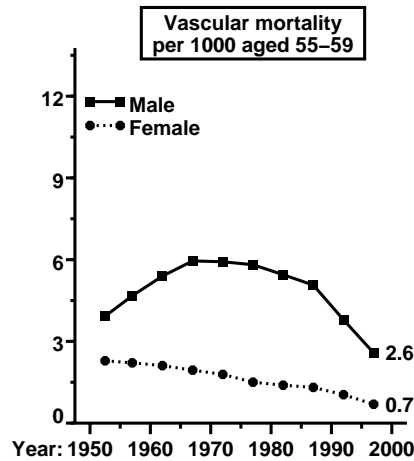
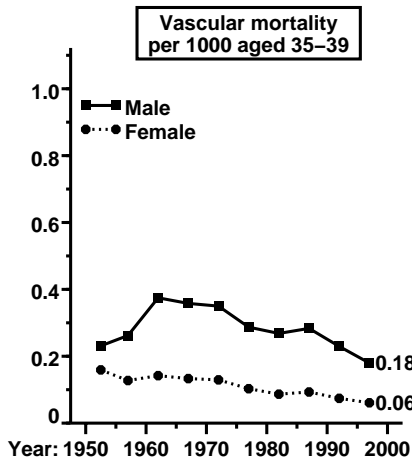
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1950–54,.....,1995–99; year 2000 on pages 362–363

1951-2000: NORWAY

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 362-363

POLAND: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	195390	10005	95195	1246.3	106.7	1520.2	193.4	20.6	23.5	73.5	119.5	132.6	184.1
	F	172638	4035	44182	695.5	48.1	609.3	159.0	13.2	13.8	28.8	30.5	37.7	53.5
Tuberculosis	M	828	22	554	5.0	0.2	8.0	-	-	-	-	0.1	0.3	1.3
	F	288	9	98	1.2	0.1	1.2	-	-	-	-	-	0.4	0.3
HIV	M	90	37	53	0.5	0.4	0.6	-	-	-	-	0.1	1.0	1.7
	F	25	17	8	0.1	0.2	0.1	-	-	-	0.1	0.1	0.7	0.4
Other infective and parasitic	M	646	130	333	4.1	1.6	5.2	7.9	0.4	0.4	0.2	0.4	1.2	0.9
	F	553	90	217	2.6	1.2	2.9	6.2	0.4	0.3	0.2	0.6	0.3	0.2
ALL CANCER	M	48019	674	27197	300.7	6.9	462.7	3.8	4.3	3.7	6.4	7.1	9.2	13.4
	F	36537	528	17787	158.4	5.8	242.0	4.1	2.7	1.7	3.9	4.9	8.0	14.9
Mouth and pharynx cancer	M	1359	10	1085	8.2	0.1	16.4	-	0.1	-	0.2	0.1	0.1	0.2
	F	331	4	173	1.5	0.0	2.3	-	-	-	0.1	0.1	0.1	-
Oesophagus cancer	M	1111	2	761	7.0	0.0	12.5	-	-	-	-	0.1	0.1	-
	F	271	2	116	1.1	0.0	1.6	-	-	-	-	-	0.1	0.1
Stomach cancer	M	3874	33	2032	24.4	0.4	34.7	-	-	-	-	0.2	0.6	1.7
	F	2162	21	806	8.9	0.2	11.2	-	-	-	0.1	-	0.6	0.9
Colorectal cancer	M	4373	19	2132	27.8	0.2	37.7	-	-	-	0.1	0.2	0.5	0.6
	F	4144	16	1509	17.1	0.2	21.5	-	-	-	0.1	0.1	0.1	1.0
Liver cancer	M	980	16	522	6.1	0.2	9.0	0.3	-	-	0.2	0.1	0.4	0.2
	F	1061	5	406	4.4	0.1	5.7	-	0.1	-	-	0.1	0.1	0.1
Pancreas cancer	M	1917	12	1202	11.8	0.1	19.5	-	-	-	-	-	0.1	0.8
	F	1847	4	782	7.8	0.0	11.2	-	-	-	-	0.1	0.1	0.2
Larynx cancer	M	1465	1	1076	9.1	0.0	17.9	-	-	-	-	0.1	-	-
	F	165	-	100	0.8	-	1.3	-	-	-	-	-	-	-
Lung cancer	M	15984	16	10009	99.1	0.2	173.8	-	-	0.1	-	0.2	0.4	0.5
	F	4018	10	2357	18.0	0.1	32.1	-	-	-	0.1	0.1	0.3	0.3
Malignant melanoma	M	463	18	290	2.8	0.2	4.3	-	0.1	-	0.1	0.2	0.4	0.6
	F	465	14	259	2.1	0.2	3.3	0.1	-	-	0.1	0.3	-	0.7
Female breast cancer	F	4712	33	2873	21.4	0.4	37.7	-	-	-	-	0.1	0.3	2.3
Cervix cancer	F	1987	38	1384	9.3	0.4	17.2	-	-	-	-	0.3	0.7	2.0
Other uterine cancer	F	1268	3	629	5.5	0.0	8.9	-	-	-	-	0.1	0.1	0.1
Ovarian cancer	F	2053	25	1343	9.5	0.3	18.0	-	0.1	-	0.2	0.2	0.5	0.8
Prostate cancer	M	3147	1	850	21.1	0.0	16.2	-	-	-	0.1	-	-	-
Bladder cancer	M	2000	3	861	12.9	0.0	15.6	-	0.1	-	-	-	0.1	0.1
	F	493	3	144	2.0	0.0	2.0	-	-	-	-	-	-	0.3
Other and ill-defined cancer sites	M	8707	325	4979	54.1	3.3	82.3	2.7	2.6	1.9	3.1	3.3	4.5	5.3
	F	9338	214	3938	39.6	2.3	54.4	2.5	1.9	1.3	2.0	1.7	2.5	4.4
Hodgkin's disease	M	217	29	133	1.2	0.3	1.9	-	-	0.1	0.2	0.4	0.4	0.9
	F	154	28	71	0.7	0.3	0.9	-	-	-	0.2	0.5	0.8	0.5
Myeloma and non-Hodgkin lymphomas	M	1198	45	691	7.4	0.5	11.4	0.1	0.2	0.5	0.4	0.6	0.3	1.1
	F	1016	31	475	4.4	0.3	6.8	0.1	0.2	-	0.2	0.7	0.7	0.4
Leukaemia	M	1224	144	574	7.5	1.4	9.6	0.8	1.2	1.3	2.2	1.7	1.4	1.5
	F	1052	77	422	4.5	0.8	5.8	1.3	0.5	0.4	0.9	0.8	1.2	0.8
Diabetes	M	2045	35	1058	12.8	0.4	17.5	-	0.1	0.1	-	0.2	0.8	1.5
	F	3145	14	955	12.5	0.1	14.0	-	0.1	0.1	0.1	0.1	0.2	0.4
ALL VASCULAR DISEASE	M	83678	595	34743	554.9	6.3	582.6	2.9	0.7	1.3	2.7	6.1	9.2	21.0
	F	91729	228	15005	351.5	2.5	215.5	2.3	0.6	0.8	1.5	2.0	3.6	6.7
Rheumatic heart disease and fever	M	568	12	340	3.5	0.1	5.6	0.1	0.1	-	-	0.1	0.3	0.4
	F	743	1	349	3.2	0.0	5.0	-	-	-	-	-	-	-
Hypertensive disease	M	1888	9	962	12.1	0.1	16.0	-	-	-	-	0.1	0.1	0.4
	F	2807	2	635	11.0	0.0	9.1	-	-	-	-	-	-	0.2
Ischaemic heart disease	M	30972	102	15897	199.5	1.1	263.0	-	-	-	0.1	0.6	1.5	5.7
	F	24603	18	5008	95.3	0.2	72.6	-	-	-	-	-	0.5	0.9
Pulmonary embolism and other venous	M	1386	27	715	8.6	0.3	11.8	-	0.2	-	0.1	0.4	0.6	0.7
	F	1357	14	513	5.6	0.1	7.2	-	0.1	-	0.1	0.2	0.3	0.4
Cerebrovascular disease	M	17867	154	7029	117.9	1.6	120.3	0.7	0.2	0.5	0.4	1.8	2.3	5.4
	F	23576	80	4553	90.9	0.9	64.6	0.4	0.1	0.4	0.3	0.6	1.7	2.7
Other vascular disease	M	30997	291	9800	213.3	3.0	166.0	2.1	0.3	0.7	2.1	3.1	4.5	8.4
	F	38643	113	3947	145.5	1.2	56.9	1.9	0.4	0.4	1.1	1.2	1.2	2.5
Chronic obstructive pulmonary disease	M	5252	24	1833	34.3	0.2	34.1	0.3	0.1	0.1	0.3	0.2	0.2	0.6
	F	2295	11	710	9.3	0.1	10.3	0.1	0.1	-	0.1	0.2	0.1	0.3
Other respiratory disease	M	5239	200	1633	35.7	2.3	26.6	7.4	0.9	0.3	1.3	1.2	1.8	3.2
	F	5524	128	772	21.4	1.5	10.8	4.7	0.5	0.6	0.9	0.6	1.4	1.9
Peptic ulcer	M	875	12	478	5.5	0.1	7.2	-	0.1	-	-	0.1	0.2	0.6
	F	649	6	162	2.5	0.1	2.2	-	-	-	-	0.1	0.1	0.3
Liver cirrhosis	M	3846	111	3121	22.3	1.2	43.6	0.1	-	-	0.1	0.5	2.0	5.8
	F	1571	47	961	7.2	0.5	12.4	0.1	-	0.1	0.1	0.1	0.9	2.3
Renal disease	M	1920	36	729	12.8	0.4	12.1	0.6	-	-	0.2	0.2	0.8	0.9
	F	1930	38	531	7.7	0.4	7.5	0.4	0.1	-	0.2	0.4	0.7	1.2
Pregnancy, birth	F	30	17	13	0.2	0.2	0.1	-	-	-	-	0.3	0.6	0.3
Congenital and perinatal causes	M	1607	1542	55	12.0	20.8	0.7	139.9	1.8	1.1	1.1	0.4	0.8	0.7
	F	1293	1223	52	10.1	17.5	0.6	117.8	1.4	1.2	0.6	0.5	0.3	0.5
Ill-defined causes	M	13757	717	7253	88.9	7.6	104.4	7.7	0.6	0.9	3.9	9.0	10.9	20.0
	F	12303	214	1891	48.2	2.5	25.0	7.3	0.6	0.4	1.8	1.5	2.5	3.5
Other medical causes	M	8556	611	4756	52.5	6.6	69.8	9.6	2.8	2.9	4.4	4.4	7.6	14.2
	F	8035	344	2593	33.2	3.8	35.3	6.9	1.7	2.5	3.0	3.5	3.8	5.2
ALL NON-MEDICAL CAUSES	M	19032	5259	11399	104.3	51.7	145.1	13.2	8.8	12.7	53.0	89.5	86.4	98.3
	F	6731	1121	2427	29.5	11.6	29.3	9.0	5.1	5.9	16.2	15.6	14.1	14.9
Motor vehicle traffic accidents	M	4496	1765	2314	23.9	17.0	29.7	3.1	3.3	4.3	19.6	33.8	30.4	24.7
	F	1328	461	555	6.2	4.6	6.8	1.6	3.1	2.5	8.4	6.6	5.6	4.4
Fire	M	316	40	227	1.8	0.4	3.0	0.2	0.2	0.2	0.3	0.5	0.4	1.1
	F	102	12	34	0.4	0.1	0.4	0.2	0.1	0.1	-	0.2	0.1	0.3
Suicide	M	4869	1375	3142	26.0	13.4	39.0	-	-	2.5	14.0	25.0	23.5	28.6
	F	972	197	641	4.6	2.0	7.4	-	-	0.6	2.7	3.3	3.1	4.1
Homicide	M	586	174	366	3.2	1.8	4.5	1.0	0.2	0.1	0.9	2.5	3.6	4.2
	F	214	62	125	1.1	0.7	1.4	1.0	0.1	0.1	0.8	0.7	0.9	1.2
POPULATION:			M=male		18787	9821	7874	1041	1269	1500	1717	1630	1428	1236
(1000s; UN, 2002 revision)			F=female		19885	9411	8490	985	1208	1429	1648	1568	1381	1192

2000: POLAND

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
291.4	482.0	752.4	1141.8	1689.4	2544.4	3740.2	5473.2	7980.2	15166.9	M	ALL CAUSES	001-999/A00-Y89
92.3	169.9	286.5	441.9	658.8	985.3	1630.6	2761.9	4920.2	13288.0	F	Tuberculosis	010-018, 137/ A15-A19, B90
1.8	4.2	6.3	9.4	8.1	13.4	13.0	19.2	21.0	34.9	M	HIV	279.5, 279.6/B20-B24
0.4	0.8	1.3	0.5	1.3	1.9	2.5	4.3	10.6	14.9	F	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.8	0.8	0.6	0.3	0.3	0.1	-	-	-	-	M	ALL CANCER	140-208/C00-C97
0.2	0.2	0.2	-	-	-	-	-	-	-	F	Mouth and pharynx cancer	140-149/C00-C14
1.0	1.8	2.9	4.2	6.2	8.8	11.7	14.9	15.5	22.7	M	Oesophagus cancer	150/C15
0.5	1.4	1.6	1.9	3.3	5.1	6.6	9.1	12.0	17.9	F	Stomach cancer	151/C16
27.2	71.0	157.6	303.8	542.2	896.9	1240.3	1652.9	1989.3	2086.1	M	Colorectal cancer	153, 154/C18-C21
33.0	72.4	131.3	211.3	297.1	397.1	551.5	715.9	949.1	1198.9	F	Liver cancer	155.0/C22 excl C221
1.4	4.9	11.7	19.8	24.8	25.3	27.2	21.5	26.5	27.1	M	Pancreas cancer	157/C25
0.2	1.2	1.5	2.5	3.7	3.8	3.1	5.0	7.0	12.9	F	Larynx cancer	161/C32
0.1	2.0	5.4	11.5	18.7	25.6	24.2	30.1	27.1	42.8	M	Lung cancer	162/C33, C34
-	0.5	0.8	1.6	1.9	2.6	3.6	4.9	7.0	12.9	F	Malignant melanoma	172/C43
2.5	5.5	11.2	21.4	39.8	67.6	95.0	142.5	187.5	188.3	M	Female breast cancer	174/C50
1.3	3.6	5.1	6.7	10.7	19.3	31.3	49.8	65.9	96.2	F	Cervix cancer	180/C53
1.9	3.8	10.1	17.9	37.5	72.4	120.2	159.7	241.8	250.8	M	Other uterine cancer	179, 182/C54, C55
2.0	3.4	7.0	13.4	25.1	39.4	60.4	93.8	132.3	191.2	F	Ovarian cancer	183/C56, C570-C574
0.6	1.8	2.4	4.9	8.4	18.7	26.1	32.5	49.7	45.9	M	Prostate cancer	185/C61
0.5	0.9	2.1	4.0	6.4	9.4	16.9	24.5	34.0	44.3	F	Bladder cancer	188/C67
2.0	5.0	8.9	15.9	24.4	34.6	45.4	57.4	75.0	65.5	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
0.4	1.3	3.7	7.3	15.2	20.7	30.0	39.2	57.5	71.1	F	Hodgkin's disease	201/C81
0.7	2.5	7.2	15.2	25.6	34.8	39.0	36.2	37.2	31.5	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.2	0.5	0.6	1.9	2.6	1.7	1.9	3.6	2.4	3.7	F	Leukaemia	204-208/C91-C95
4.3	18.8	49.2	108.5	206.8	352.6	476.5	589.0	563.1	419.0	M	Diabetes	250/E10-E14
2.2	7.6	18.0	32.4	42.0	51.5	71.1	76.1	90.0	86.5	F	ALL VASCULAR DISEASE	390-459/I00-I99
1.4	2.0	3.5	3.7	4.9	6.5	7.8	10.8	15.2	20.5	M	Rheumatic heart disease and fever	390-398/I00-I09
1.2	2.3	2.3	3.6	4.6	3.8	5.2	7.7	10.1	12.3	F	Hypertensive disease	401-405/I10-I15
7.1	14.0	28.2	41.9	51.1	56.0	65.4	69.2	95.2	120.3	M	Ischaemic heart disease	410-414/I20-I25
5.5	11.7	16.4	19.5	20.1	23.8	23.6	26.4	29.8	30.3	F	Pulmonary embolism and other venous disease	415.1, 451-453/ I26, I80-I82
0.5	1.6	3.2	6.1	12.1	15.3	23.7	30.2	33.4	33.4	M	Cerebrovascular disease	430-438/I60-I69
2.8	5.9	11.3	18.2	23.7	28.7	35.0	35.4	35.2	32.5	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
0.1	0.4	0.9	3.8	13.0	33.0	62.1	133.4	234.1	355.6	F	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.3	1.0	2.5	6.6	15.5	33.5	50.0	84.8	106.4	145.5	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
0.1	0.2	1.0	1.2	1.5	3.9	6.3	9.4	18.6	28.8	F	Peptic ulcer	531-533/K25-K27
8.1	17.2	34.9	60.1	97.8	148.8	209.1	276.1	318.9	384.0	M	Liver cirrhosis	571/K70, K74
7.1	14.2	25.6	41.6	61.5	93.9	136.7	192.3	271.2	357.8	F	Renal disease	580-590/N00-N19
1.2	1.2	1.4	1.3	1.9	3.2	3.0	4.7	6.1	4.4	M	Pregnancy, birth Congenital and perinatal causes	630-676/A34, O00-O99 740-779/A33, P00-P96, Q00-Q99
0.2	0.3	0.6	1.1	1.2	1.7	1.4	2.8	2.9	2.6	F	Ill-defined causes	780-799/R00-R99
1.0	2.6	4.2	8.6	13.1	23.5	27.1	38.9	50.9	38.0	M	Other medical causes	Rest of 001-799/ rest of A00-R99
1.3	1.1	1.5	4.2	6.9	13.4	19.0	25.5	29.1	22.0	F	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
1.7	2.4	4.0	4.5	9.9	16.9	27.7	35.3	49.7	67.3	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
0.7	2.1	2.3	4.1	6.8	8.0	16.9	20.3	27.5	40.1	F	Fire	E890-E899/X00-X09
2.2	3.8	7.6	11.4	18.4	31.1	48.1	68.4	98.8	114.5	M	Suicide	E950-E959/X60-X84
0.9	1.5	2.6	6.0	12.4	23.6	50.9	78.4	111.7	156.1	F	Homicide	E960-E969/ X85-X99, Y00-Y09
49.2	115.7	225.5	395.9	629.3	1004.3	1658.4	2604.9	4180.2	9036.7	M	POPULATION	
15.9	32.4	63.1	114.9	195.2	366.4	720.5	1446.2	2883.5	8724.4	F	(1000s; UN, 2002 revision)	
0.3	1.3	2.3	4.8	7.3	9.3	13.8	19.2	20.4	20.1	M		
0.2	0.8	1.5	3.5	6.0	8.5	14.5	18.2	22.8	18.9	F		
1.1	3.0	7.1	11.4	19.8	29.8	39.5	62.2	83.5	135.4	M		
0.2	1.0	1.9	7.0	9.1	16.4	28.3	51.6	97.0	213.6	F		
20.3	54.5	111.6	200.6	307.6	448.5	697.8	957.4	1355.8	2359.5	M		
3.6	8.7	19.5	33.5	66.2	134.0	243.1	448.9	799.6	2039.2	F		
1.5	2.8	5.2	8.2	12.1	19.7	32.7	49.1	68.6	68.2	M		
1.1	1.3	3.0	3.9	8.1	13.1	20.2	29.7	43.9	58.3	F		
9.8	20.2	39.8	72.0	121.3	212.0	367.0	600.8	997.9	1832.7	M		
6.3	12.1	21.4	39.7	61.3	100.0	211.4	426.0	838.4	1912.0	F		
16.2	33.9	59.5	99.0	161.3	284.9	507.5	916.1	1654.0	4620.8	M		
4.5	8.4	15.7	27.3	44.6	94.4	203.1	471.7	1081.7	4482.4	F		
0.7	2.0	3.5	10.0	30.2	68.2	124.4	233.1	336.3	456.1	M		
0.7	0.9	2.3	5.9	12.8	16.1	33.6	54.0	74.1	124.9	F		
4.5	10.0	11.8	14.5	23.5	43.5	78.8	145.2	273.5	756.7	M		
2.1	3.0	4.1	5.8	11.8	15.2	33.7	63.3	154.3	587.9	F		
1.3	3.1	4.9	7.7	6.2	10.5	16.6	21.7	36.6	65.1	M		
0.3	0.8	1.0	1.9	1.4	2.6	7.3	11.8	22.8	45.4	F		
14.6	29.0	40.3	45.7	55.9	58.6	60.8	57.4	59.5	48.9	M		
3.0	7.2	8.7	13.9	18.6	17.1	18.4	25.9	30.9	29.3	F		
1.6	2.8	5.5	7.5	11.5	20.6	34.7	58.1	94.2	233.7	M		
1.0	1.4	2.6	4.2	7.1	11.6	24.9	37.1	65.1	121.8	F		
0.7	0.2	0.1	-	-	-	-	-	-	-	M		
0.3	1.0	0.9	0.5	0.7	0.6	0.7	0.6	1.5	0.9	F		
0.8	0.4	0.7	0.5	0.7	0.2	1.0	1.1	1.0	0.6	M		
35.0	59.2	82.3	106.6	123.5	150.2	173.8	230.5	376.8	1449.1	M		
5.8	11.4	17.1	20.9	28.8	38.6	52.0	107.0	235.0	1468.2	F		
25.1	38.3	49.1	64.1	81.7	93.4	137.0	210.9	293.6	479.2	M		
6.6	11.3	19.1	26.3	39.8	54.3	89.7	150.8	253.9	425.8	F		
125.1	139.3	153.5	160.1	151.6	144.0	141.9	155.4	203.4	382.3	M		
20.4	24.4	30.7	27.7	28.5	35.3	38.0	57.1	116.4	372.0	F		
28.5	26.0	28.7	34.8	28.4	29.6	31.8	31.8	38.4	52.9	M		
5.0	5.9	5.8	5.5	7.4	8.6	9.8	11.5	19.4	18.1	F		
1.4	2.3	3.5	3.6	3.2	3.0	3.9	3.5	5.2	5.7	M		
0.2	0.2	0.4	0.6	0.4	0.5	0.8	0.8	3.1	5.6	F		
35.9	42.0	43.7	44.0	43.0	35.2	29.1	27.6	34.5	39.8	M		
6.7	6.9	10.8	6.5	6.9	7.5	6.5	5.9	8.8	5.8	F		
4.9	5.1	4.6	5.0	4.8	3.0	4.3	4.5	2.7	5.7	M		
1.6	1.8	1.2	1.9	1.1	1.5	1.1	0.6	1.3	2.6	F		
1323	1587	1532	1214	754	771	694	535	328	229	M		
1302	1589	1577	1294	857	945	925	834	614	536	F		

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Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	13264	828	36	13	779	27	257	839	138	4837	6338
35-69	Sm.	43231	16429	10565	2359	3505	1701	572	17287	-	7242	-
	Total	105248 (41%)	28404 (58%)	11049 (96%)	3083 (77%)	14272 (25%)	1991 (85%)	1343 (43%)	41601 (42%)	2741	16180 (45%)	12988
70+	Sm.	17341	6290	4236	587	1467	2098	250	7136	-	1567	-
	Total	87174 (20%)	15694 (40%)	4601 (92%)	937 (63%)	10156 (14%)	2796 (75%)	1881 (13%)	52004 (14%)	536	12124 (13%)	2139
Any age	Sm.	60572	22719	14801	2946	4972	3799	822	24423	-	8809	-
	Total	205686 (29%)	44926 (51%)	15686 (94%)	4033 (73%)	25207 (20%)	4814 (79%)	3481 (24%)	94444 (26%)	3415	33141 (27%)	21465
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	10005	674	16	13	645	24	200	595	111	3142	5259
35-69	Sm.	36546	14833	9513	2157	3163	1542	628	13329	-	6214	-
	Total	95195 (38%)	27197 (55%)	10009 (95%)	2922 (74%)	14266 (22%)	1833 (84%)	1633 (38%)	34743 (38%)	3121	15269 (41%)	11399
70+	Sm.	20327	8225	5523	650	2052	2612	482	7237	-	1771	-
	Total	90190 (23%)	20148 (41%)	5959 (93%)	1000 (65%)	13189 (16%)	3395 (77%)	3406 (14%)	48340 (15%)	614	11913 (15%)	2374
Any age	Sm.	56873	23058	15036	2807	5215	4154	1110	20566	-	7985	-
	Total	195390 (29%)	48019 (48%)	15984 (94%)	3935 (71%)	28100 (19%)	5252 (79%)	5239 (21%)	83678 (25%)	3846	30324 (26%)	19032

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		18782	10178	7672	1624	1587	1280	815	865	820	681	466	219	247
2000		18787	9821	7874	1323	1587	1532	1214	754	771	694	535	328	229
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		205686	13264	105248	5984	9192	11192	10854	16908	23436	27682	27457	19031	40686
2000		195390	10005	95195	3854	7648	11524	13865	12735	19612	25957	29298	26175	34717
Lung cancer														
1995		15686	36	11049	109	357	734	1080	2160	3134	3475	2570	1096	935
2000		15984	16	10009	57	298	753	1317	1559	2718	3307	3153	1847	959
ANNUAL DEATH RATE / 100,000														
All causes														
1995		1394.5*	139.0*	1718.5*	368.6	579.3	874.1	1331.3	1955.6	2856.7	4064.3	5898.4	8693.9	16458.7
2000		1246.3*	106.7*	1520.2*	291.4	482.0	752.4	1141.8	1689.4	2544.4	3740.2	5473.2	7980.2	15166.9
All cancer														
1995		301.3*	8.4*	491.9*	33.0	79.0	177.1	350.4	601.8	924.1	1278.2	1579.8	1770.7	1805.8
2000		300.7*	6.9*	462.7*	27.2	71.0	157.6	303.8	542.2	896.9	1240.3	1652.9	1989.3	2086.1
Lung cancer														
1995		104.2*	0.4*	194.4*	6.7	22.5	57.3	132.5	249.8	382.0	510.2	552.1	500.7	378.2
2000		99.1*	0.2*	173.8*	4.3	18.8	49.2	108.5	206.8	352.6	476.5	589.0	563.1	419.0
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		26.9*	0.1*	51.5*	3.3	10.5	28.3	57.3	71.5	90.0	99.5	94.3	107.4	106.4
2000		24.3*	0.1*	46.8*	2.1	9.3	24.4	46.5	69.1	85.6	90.5	87.8	90.9	101.4
Other cancer														
1995		170.3*	7.9*	246.0*	23.0	46.0	91.5	160.7	280.5	452.1	668.5	933.4	1162.6	1321.2
2000		177.2*	6.6*	242.1*	20.8	42.9	84.1	148.8	266.3	458.6	673.3	976.1	1335.4	1565.7
Chronic obstructive pulmonary disease (COPD)														
1995		34.0*	0.3*	37.2*	1.0	1.3	5.1	12.9	28.3	70.5	141.1	225.6	304.7	436.5
2000		34.3*	0.2*	34.1*	0.7	2.0	3.5	10.0	30.2	68.2	124.4	233.1	336.3	456.1
Other respiratory disease														
1995		24.3*	2.8*	21.6*	6.0	8.9	12.4	14.7	20.6	31.2	57.6	101.8	167.2	421.1
2000		35.7*	2.3*	26.6*	4.5	10.0	11.8	14.5	23.5	43.5	78.8	145.2	273.5	756.7
Vascular disease														
1995		670.1*	8.8*	712.4*	73.1	154.5	283.5	480.9	783.9	1267.6	1943.2	3189.5	5169.9	10453.1
2000		554.9*	6.3*	582.6*	49.2	115.7	225.5	395.9	629.3	1004.3	1658.4	2604.9	4180.2	9036.7
Liver cirrhosis														
1995		21.3*	1.5*	41.2*	14.7	23.3	32.0	43.5	50.4	60.6	63.7	57.6	57.1	57.8
2000		22.3*	1.2*	43.6*	14.6	29.0	40.3	45.7	55.9	58.6	60.8	57.4	59.5	48.9
Other medical causes														
1995		221.3*	52.7*	244.3*	90.0	139.0	183.2	230.7	288.0	350.1	429.5	584.5	1022.4	2898.5
2000		194.1*	38.1*	225.5*	70.1	115.0	160.1	211.8	256.7	328.9	435.6	624.3	938.1	2400.2
All non-medical causes														
1995		122.2*	64.5*	169.9*	150.8	173.3	180.8	198.1	182.5	152.7	151.1	159.6	201.9	385.9
2000		104.3*	51.7*	145.1*	125.1	139.3	153.5	160.1	151.6	144.0	141.9	155.4	203.4	382.3

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: POLAND

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5931	685	15	6	664	23	171	342	30	3306	1374
35-69	Sm.	5626	1807	1383	142	282	317	78	2458	-	966	-
	Total	49037 (11%)	17695 (10%)	2025 (68%)	394 (36%)	15276 (2%)	585 (54%)	588 (13%)	19409 (13%)	918	7264 (13%)	2578
70+	Sm.	5231	1085	800	113	172	576	76	2758	-	736	-
	Total	125430 (4%)	14788 (7%)	1310 (61%)	400 (28%)	13078 (1%)	1245 (46%)	2325 (3%)	80515 (3%)	532	22674 (3%)	3351
Any age	Sm.	10857	2892	2183	255	454	893	154	5216	-	1702	-
	Total	180398 (6%)	33168 (9%)	3350 (65%)	800 (32%)	29018 (2%)	1853 (48%)	3084 (5%)	100266 (5%)	1480	33244 (5%)	7303
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	4035	528	10	6	512	11	128	228	47	1972	1121
35-69	Sm.	5944	2196	1700	160	336	413	117	2202	-	1016	-
	Total	44182 (13%)	17787 (12%)	2357 (72%)	389 (41%)	15041 (2%)	710 (58%)	772 (15%)	15005 (15%)	961	6520 (16%)	2427
70+	Sm.	5812	1370	1032	110	228	765	160	2788	-	729	-
	Total	124421 (5%)	18222 (8%)	1651 (63%)	372 (30%)	16199 (1%)	1574 (49%)	4624 (3%)	76496 (4%)	563	19759 (4%)	3183
Any age	Sm.	11756	3566	2732	270	564	1178	277	4990	-	1745	-
	Total	172638 (7%)	36537 (10%)	4018 (68%)	767 (35%)	31752 (2%)	2295 (51%)	5524 (5%)	91729 (5%)	1571	28251 (6%)	6731

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		19813	9763	8325	1603	1599	1321	883	987	993	939	755	396	575
2000		19885	9411	8490	1302	1589	1577	1294	857	945	925	834	614	536
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		180398	5931	49037	1853	3171	4224	4127	6806	11225	17631	23908	21811	79711
2000		172638	4035	44182	1202	2700	4520	5719	5643	9310	15088	23034	30230	71157
Lung cancer														
1995		3350	15	2025	35	124	216	244	310	493	603	587	327	396
2000		4018	10	2357	29	120	284	419	360	487	658	635	553	463
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
1995		767.5*	65.8*	685.6*	115.6	198.3	319.7	467.6	689.4	1131.0	1877.4	3165.8	5513.4	13874.8
2000		695.5*	48.1*	609.3*	92.3	169.9	286.5	441.9	658.8	985.3	1630.6	2761.9	4920.2	13288.0
All cancer														
1995		155.9*	7.3*	245.1*	40.2	81.2	143.9	210.5	279.8	400.0	560.2	715.2	897.1	1016.2
2000		158.4*	5.8*	242.0*	33.0	72.4	131.3	211.3	297.1	397.1	551.5	715.9	949.1	1198.9
Lung cancer														
1995		16.2*	0.2*	28.5*	2.2	7.8	16.3	27.6	31.4	49.7	64.2	77.7	82.7	68.9
2000		18.0*	0.1*	32.1*	2.2	7.6	18.0	32.4	42.0	51.5	71.1	76.1	90.0	86.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		3.7*	0.1*	5.5*	0.8	1.3	3.2	6.1	6.4	9.6	11.3	15.1	22.8	34.1
2000		3.4*	0.1*	5.2*	0.3	2.2	2.9	6.0	8.2	8.1	8.6	13.5	16.4	29.5
Other cancer														
1995		136.0*	7.1*	211.1*	37.2	72.1	124.4	176.8	242.0	340.8	484.7	622.4	791.7	913.1
2000		137.0*	5.6*	204.7*	30.5	62.7	110.4	172.9	246.9	337.4	471.7	626.3	842.6	1082.9
Chronic obstructive pulmonary disease (COPD)														
1995		8.0*	0.2*	8.4*	0.6	1.4	3.1	4.1	7.0	15.7	26.7	50.3	65.5	105.5
2000		9.3*	0.1*	10.3*	0.7	0.9	2.3	5.9	12.8	16.1	33.6	54.0	74.1	124.9
Other respiratory disease														
1995		12.8*	1.9*	8.1*	2.3	3.1	3.6	5.3	7.6	11.3	23.4	43.2	97.8	280.6
2000		21.4*	1.5*	10.8*	2.1	3.0	4.1	5.8	11.8	15.2	33.7	63.3	154.3	587.9
Vascular disease														
1995		407.2*	3.7*	279.3*	21.4	42.0	86.2	135.7	245.3	478.2	946.5	1844.8	3494.7	9183.3
2000		351.5*	2.5*	215.5*	15.9	32.4	63.1	114.9	195.2	366.4	720.5	1446.2	2883.5	8724.4
Liver cirrhosis														
1995		7.2*	0.3*	12.4*	3.9	5.9	7.8	14.2	11.2	19.8	24.0	27.9	32.4	33.6
2000		7.2*	0.5*	12.4*	3.0	7.2	8.7	13.9	18.6	17.1	18.4	25.9	30.9	29.3
Other medical causes														
1995		143.2*	38.0*	100.3*	22.6	36.1	46.2	65.9	106.8	169.4	255.2	411.4	788.2	2863.2
2000		118.3*	26.1*	89.0*	17.3	29.5	46.3	62.3	94.8	138.0	234.8	399.5	712.1	2250.6
All non-medical causes														
1995		33.3*	14.3*	31.9*	24.6	28.6	28.9	31.8	31.7	36.6	41.3	73.0	137.8	392.5
2000		29.5*	11.6*	29.3*	20.4	24.4	30.7	27.7	28.5	35.3	38.0	57.1	116.4	372.0

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

POLAND: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 10	– / 4.0	–
35–69	37 / 95	5.9 / 44	22 years
70+	20 / 90	5.8 / 124	9 years
All ages	57 / 195	12 / 173	17 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

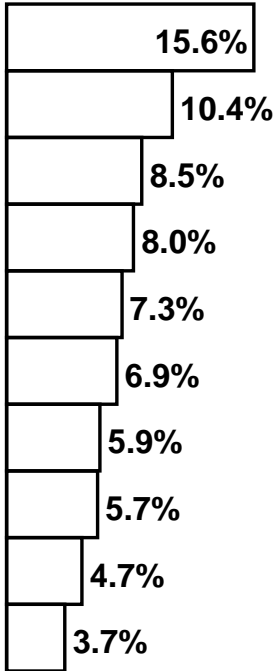
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	9.5/10	5.5/6.0	15/16	–/0.0	1.7/2.4	1.0/1.7	2.7/4.0
All Cancer	–/0.7	15/27 (55%)	8.2/20 (41%)	23/48	–/0.5	2.2/18 (12%)	1.4/18 (8%)	3.6/37
Vascular	–/0.6	13/35	7.2/48	21/84	–/0.2	2.2/15	2.8/76	5.0/92
Respiratory	–/0.2	2.2/3.5	3.1/6.8	5.3/10	–/0.1	0.5/1.5	0.9/6.2	1.5/7.8
All Other	–/8.5	6.2/30	1.8/15	8.0/53	–/3.1	1.0/9.9	0.7/24	1.7/37
All Causes	–/10	37/95 (38%)	20/90 (23%)	57/195	–/4.0	5.9/44 (13%)	5.8/124 (5%)	12/173

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	23 / 48 (48%)	3.6 / 37 (10%)	27 / 85 (31%)
All Causes	57 / 195 (29%)	12 / 173 (7%)	69 / 368 (19%)

1955-2000: POLAND

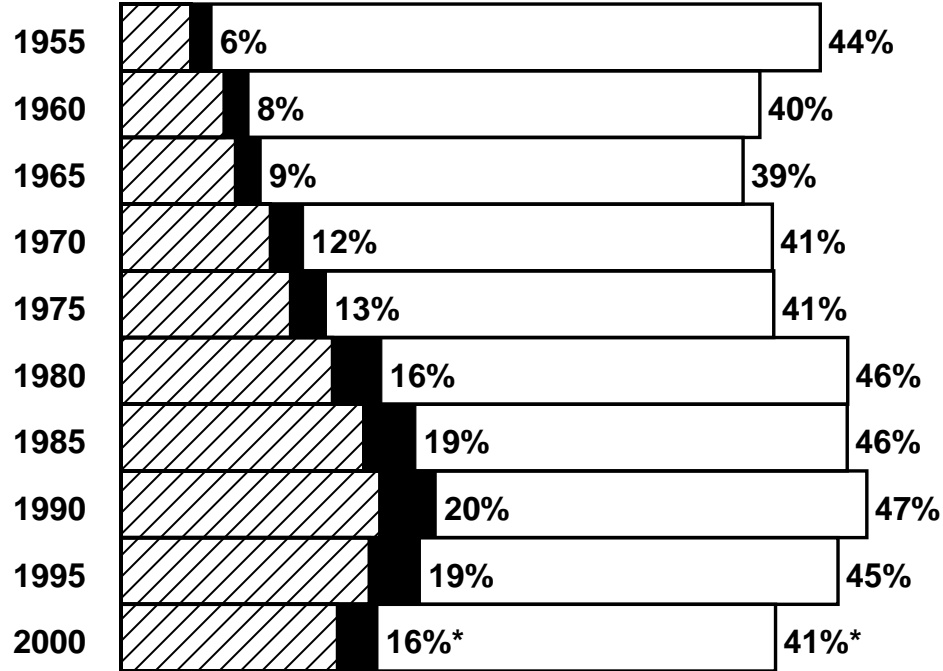
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

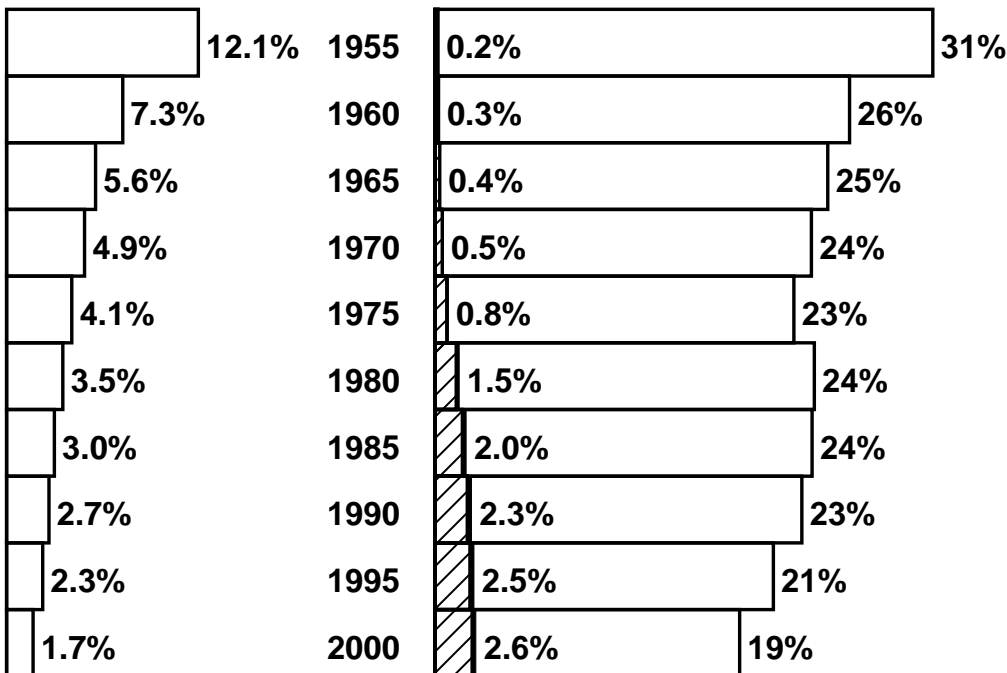
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 41 would die before age 70 (with 16 of these deaths attributed to smoking)

FEMALE



POLAND: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/54	6.4/50 (13%)	1.3/32 (4%)	7.7/136	-/40	0.2/41 (0.6%)	0.1/45 (0.2%)	0.3/126
1960	-/34	9.6/50 (19%)	3.1/32 (10%)	13/117	-/24	0.3/38 (0.9%)	0.2/46 (0.5%)	0.6/107
1965	-/24	13/58 (23%)	3.2/39 (8%)	16/121	-/15	0.5/41 (1%)	0.2/55 (0.4%)	0.7/111
1970	-/22	19/67 (28%)	6.6/52 (13%)	25/141	-/13	0.9/42 (2%)	0.5/71 (0.7%)	1.4/126
1975	-/22	23/72 (31%)	10/64 (16%)	33/158	-/11	1.6/42 (4%)	1.3/85 (2%)	2.9/139
1980	-/23	31/83 (37%)	14/83 (17%)	45/189	-/11	2.8/44 (6%)	2.1/106 (2%)	4.9/161
1985	-/20	37/89 (42%)	17/94 (18%)	54/202	-/9.8	3.8/46 (8%)	3.3/124 (3%)	7.1/179
1990	-/18	45/105 (42%)	15/87 (18%)	60/209	-/7.8	5.1/52 (10%)	4.4/120 (4%)	9.5/179
1995	-/13	43/105 (41%)	17/87 (20%)	61/206	-/5.9	5.6/49 (11%)	5.2/125 (4%)	11/180
2000	-/10	37/95 (38%)	20/90 (23%)	57/195	-/4.0	5.9/44 (13%)	5.8/124 (5%)	12/173

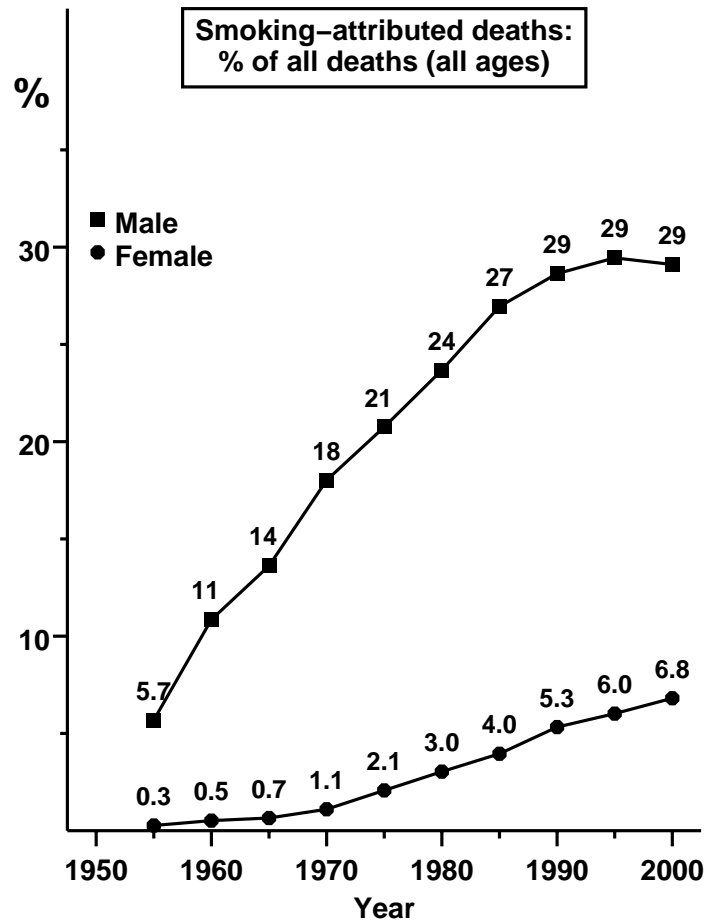
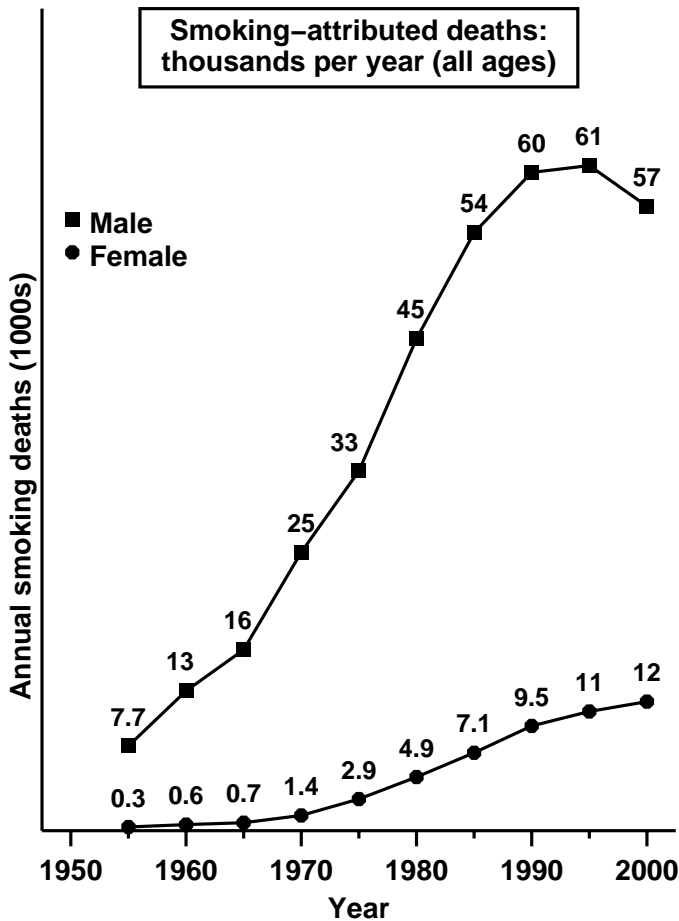
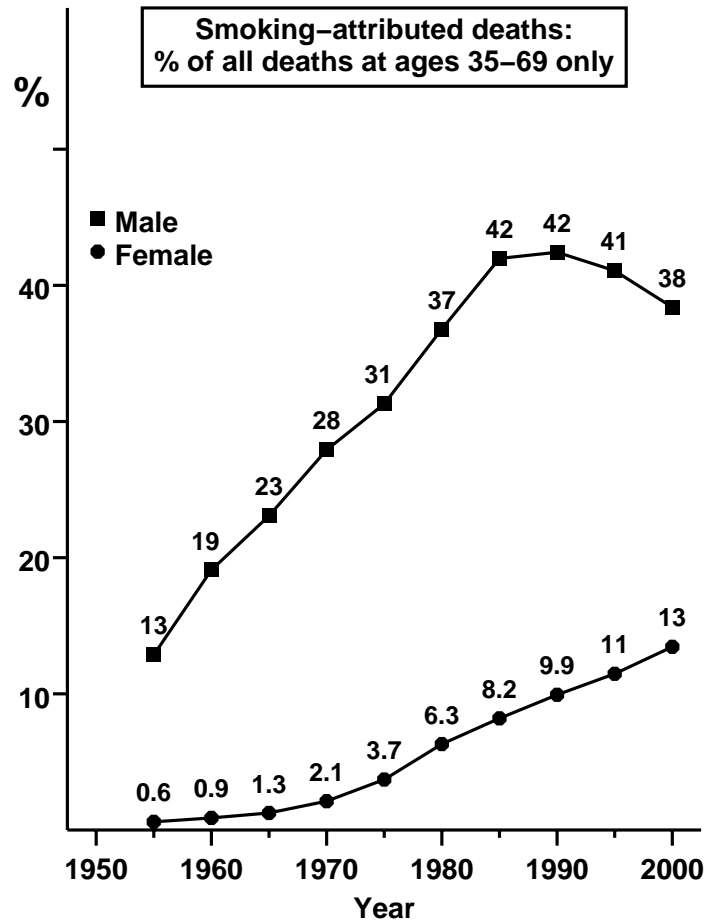
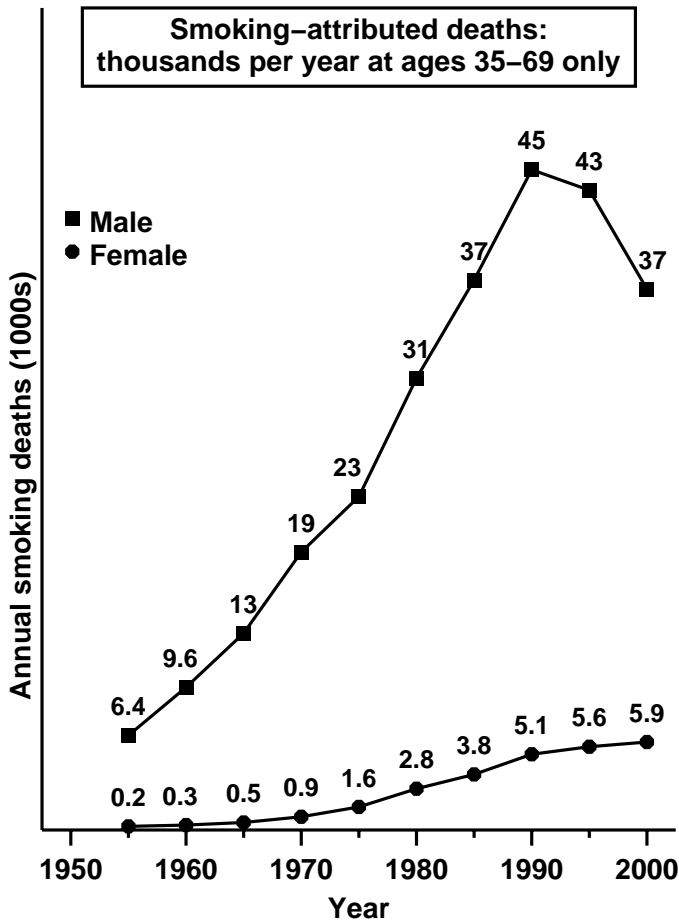
50-year total* (M=millions), mid-1950 to mid-2000: 1.9/ 16M

1950-2000 by age & sex:

-/1.3M	1.2/3.7M (33%)	0.5/3.2M (16%)	1.7/8.2M	-/0.8M	0.1/2.2M (5%)	0.1/4.3M (2%)	0.2/7.4M
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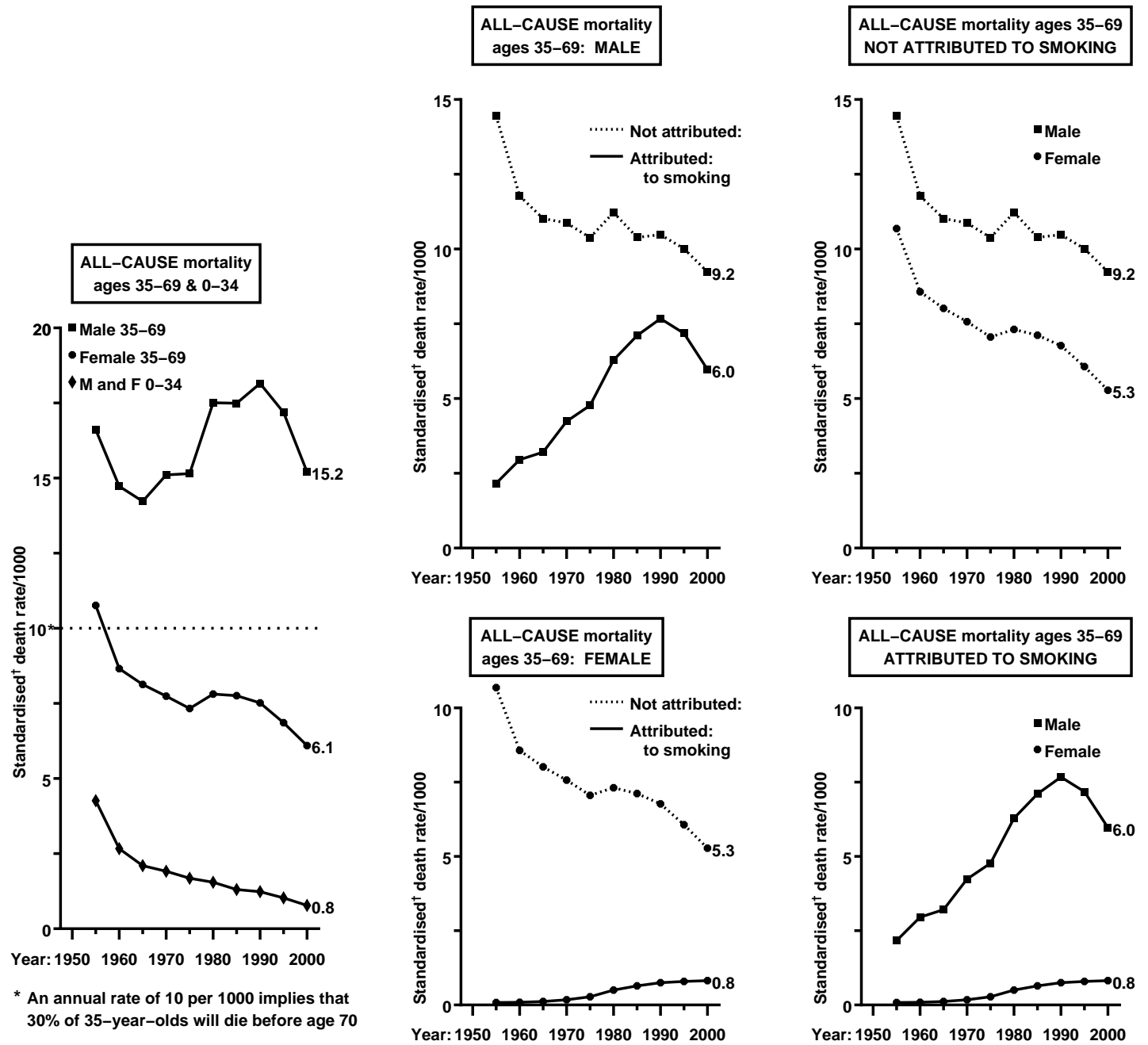
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: POLAND



POLAND: 1955-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



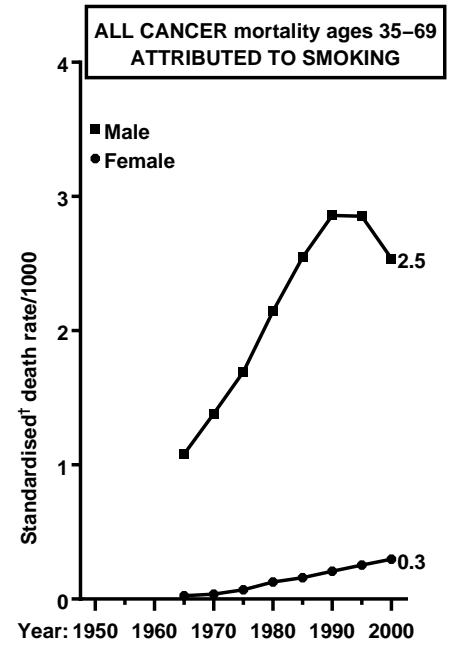
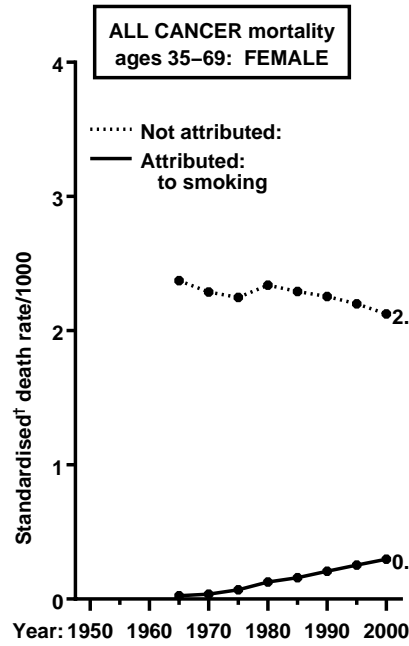
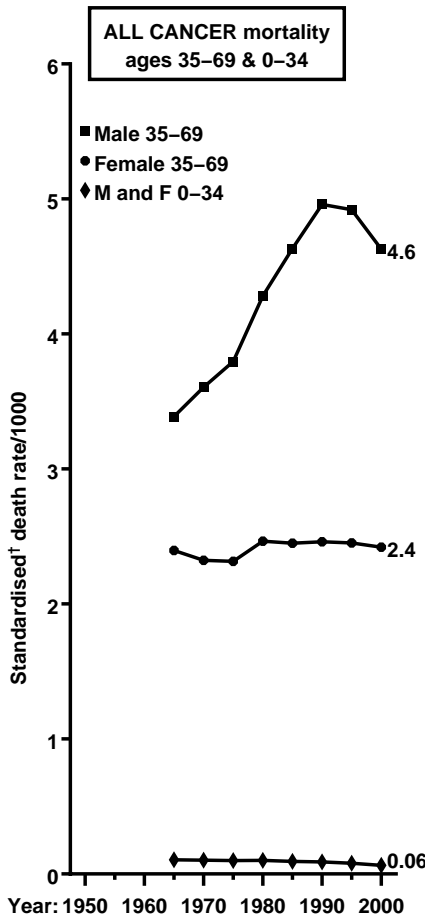
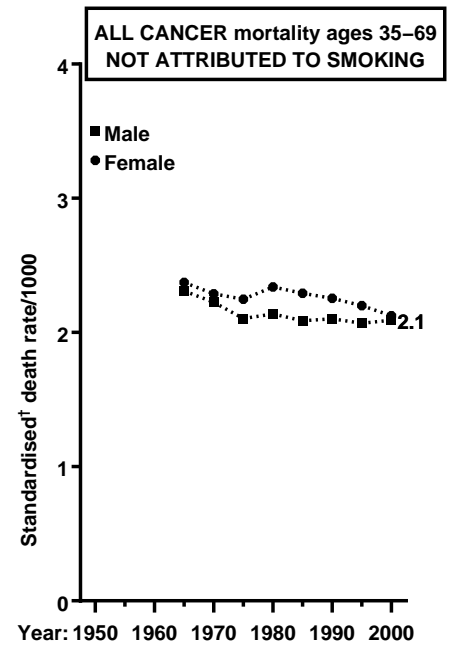
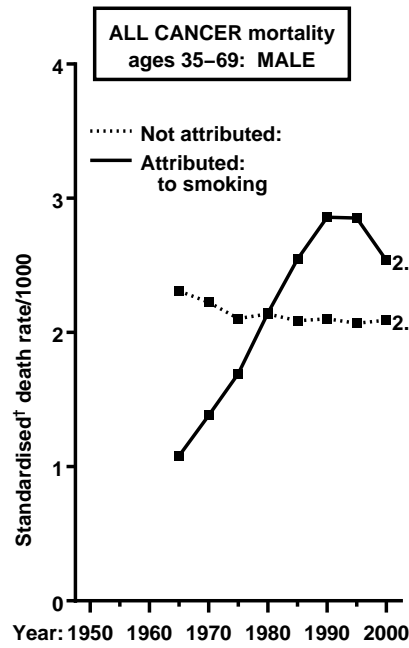
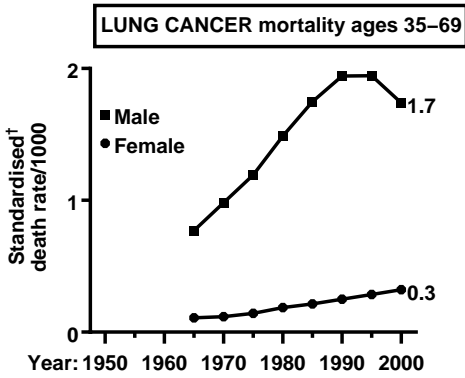
* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	4.84	2.16	14.4	3.80	77.6	-	3.68	0.08	10.7	0.17	66.8	-	2.17	8.01	69.1
1960	-	3.15	2.95	11.8	6.83	69.6	-	1.65	0.09	8.57	0.35	55.8	-	1.44	7.57	67.0
1965	-	2.54	3.21	11.0	6.83	69.6	-	1.20	0.11	8.01	0.31	54.6	-	1.03	7.06	66.5
1970	-	2.38	4.24	10.9	10.9	67.0	-	0.50	0.17	7.57	0.52	51.4	-	0.87	7.31	66.3
1975	-	2.16	4.77	10.4	13.7	66.5	-	0.50	0.27	7.06	0.94	50.5	-	0.87	7.12	66.3
1980	-	2.06	6.29	11.2	15.2	66.3	-	0.50	0.50	7.31	1.24	48.4	-	0.87	7.12	66.3
1985	-	1.73	7.10	10.4	17.4	66.0	-	0.77	0.64	7.12	1.62	48.6	-	0.77	6.77	62.0
1990	-	1.69	7.67	10.5	16.7	62.0	-	0.66	0.75	6.77	2.26	44.7	-	0.66	6.07	56.3
1995	-	1.39	7.18	10.0	16.6	56.3	-	0.82	0.79	6.07	2.34	41.1	-	0.66	6.07	56.3
2000	-	1.07	5.97	9.23	17.0	50.2	-	0.82	0.82	5.28	2.24	36.2	-	0.82	5.28	50.2

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

Trends in ALL CANCER mortality attributed and not attributed to smoking



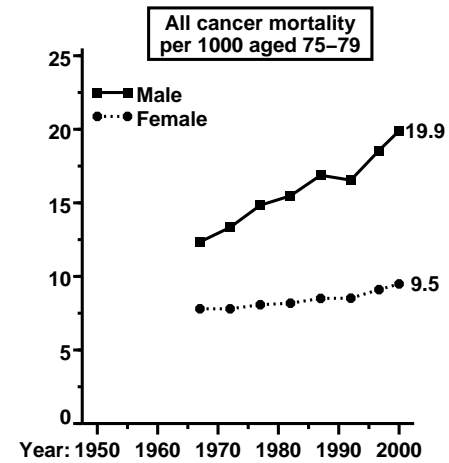
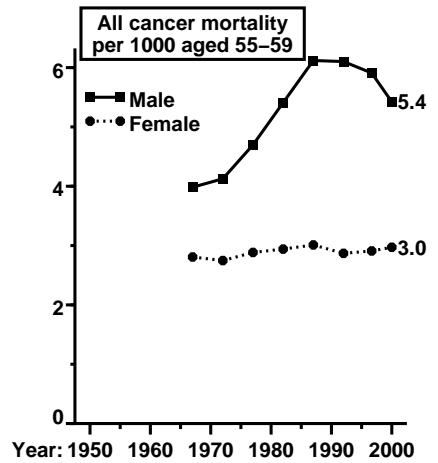
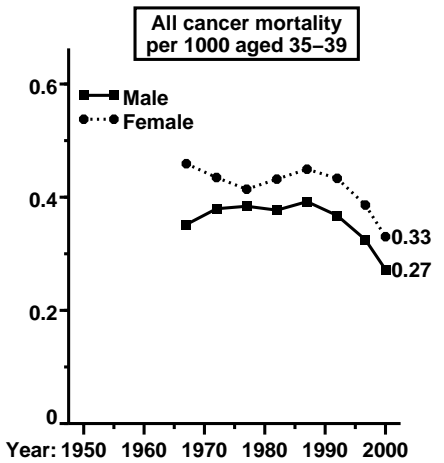
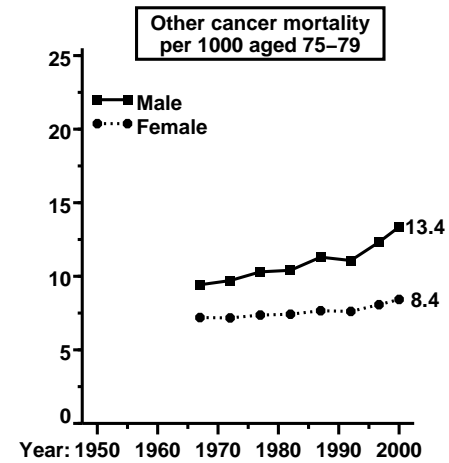
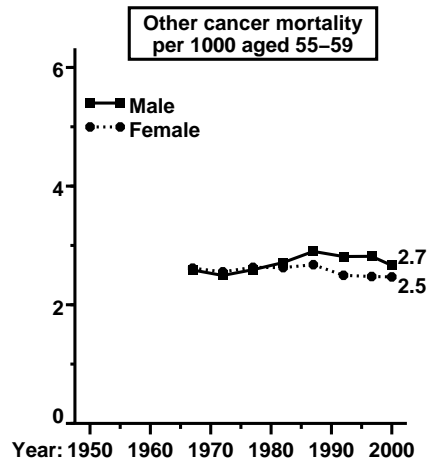
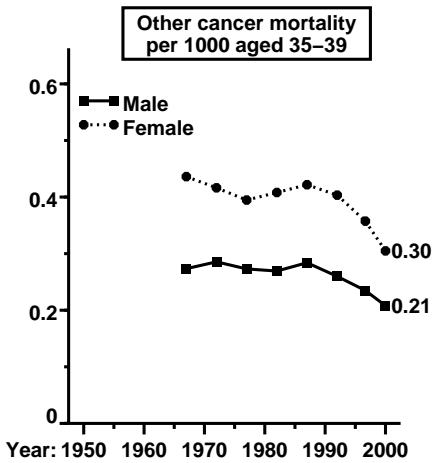
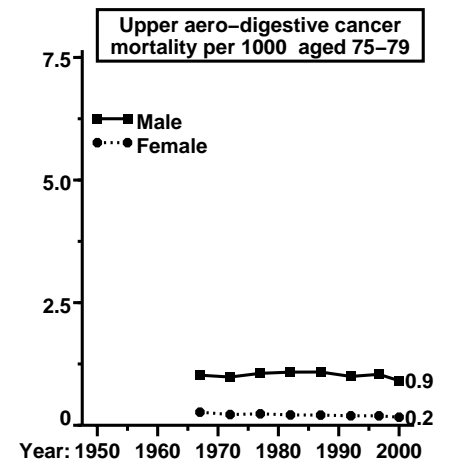
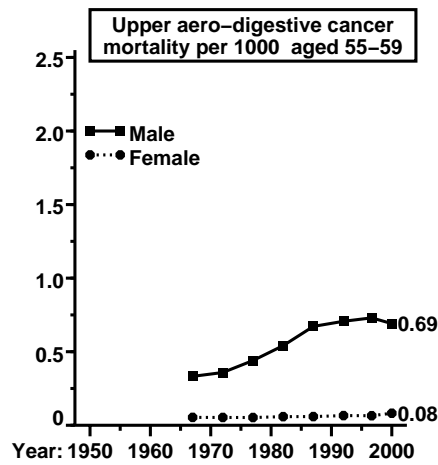
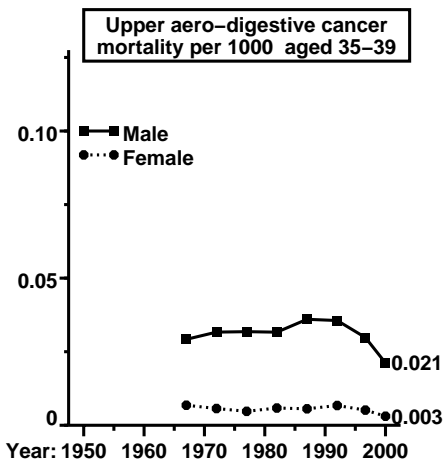
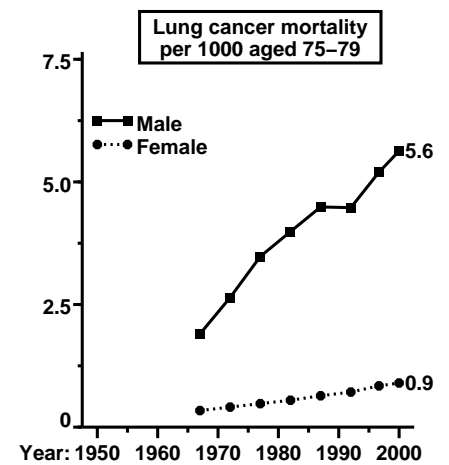
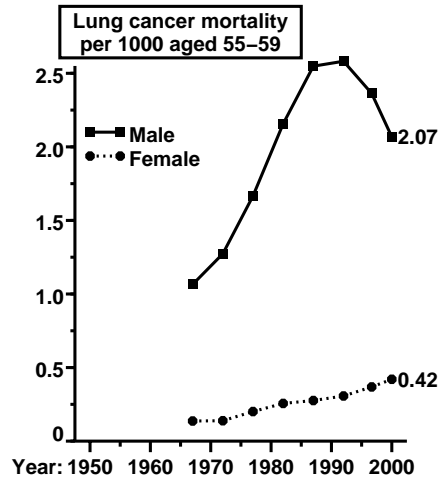
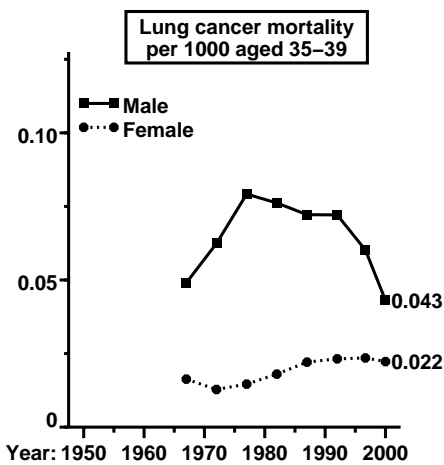
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965	-	0.11	1.08	2.31	2.25	9.52	0.06	7.84	-	0.10	0.02	2.37	0.06	7.84	0.06	7.84
1970	-	0.11	1.38	2.22	3.07	9.17	0.08	7.14	-	0.10	0.04	2.29	0.08	7.14	0.08	7.14
1975	-	0.10	1.69	2.10	4.47	9.44	0.18	7.33	-	0.09	0.07	2.25	0.18	7.33	0.18	7.33
1980	-	0.10	2.14	2.14	5.08	9.31	0.25	6.94	-	0.10	0.13	2.34	0.25	6.94	0.25	6.94
1985	-	0.10	2.55	2.09	5.85	9.55	0.34	7.23	-	0.09	0.16	2.29	0.34	7.23	0.34	7.23
1990	-	0.10	2.86	2.10	6.30	9.53	0.56	7.38	-	0.08	0.21	2.25	0.56	7.38	0.56	7.38
1995	-	0.08	2.85	2.07	6.99	9.76	0.64	7.42	-	0.07	0.25	2.20	0.64	7.42	0.64	7.42
2000	-	0.07	2.54	2.09	7.73	10.5	0.67	7.65	-	0.06	0.30	2.12	0.67	7.65	0.67	7.65

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

POLAND: 1965-2000

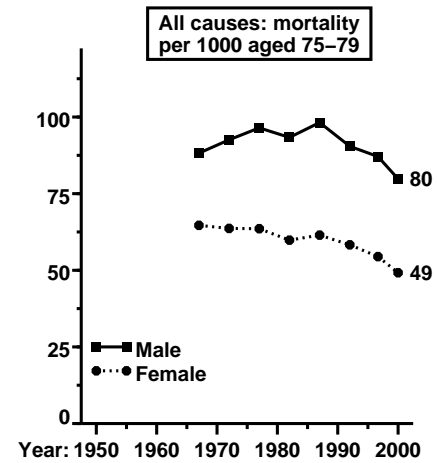
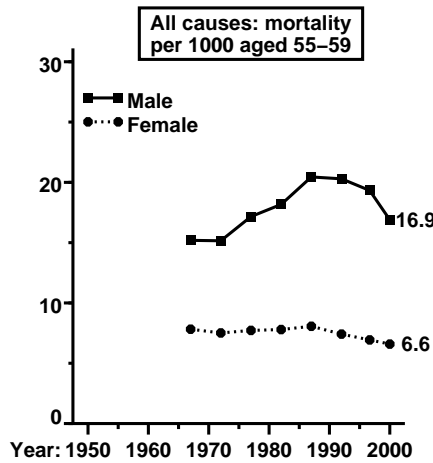
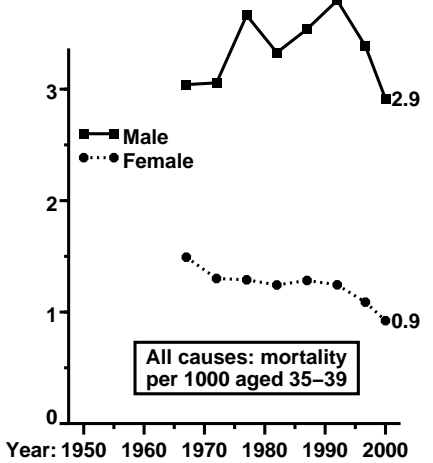
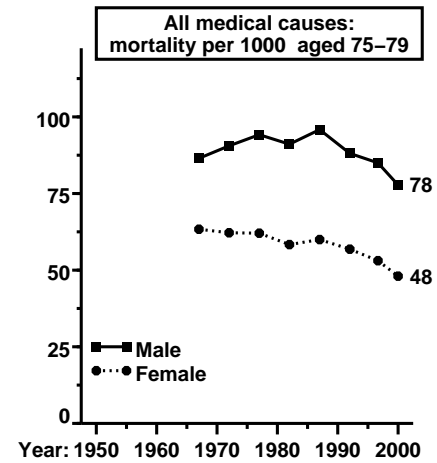
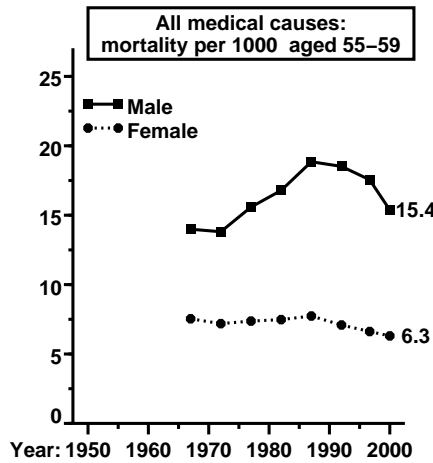
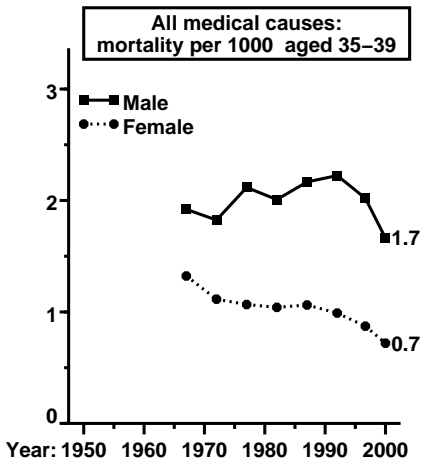
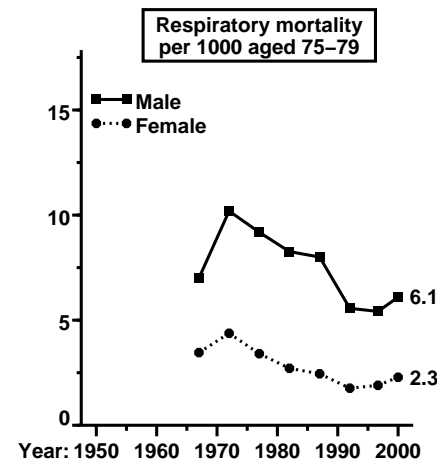
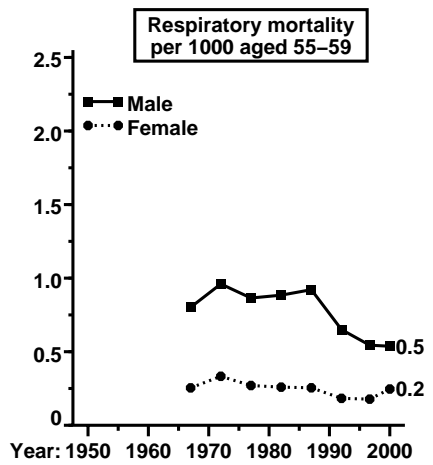
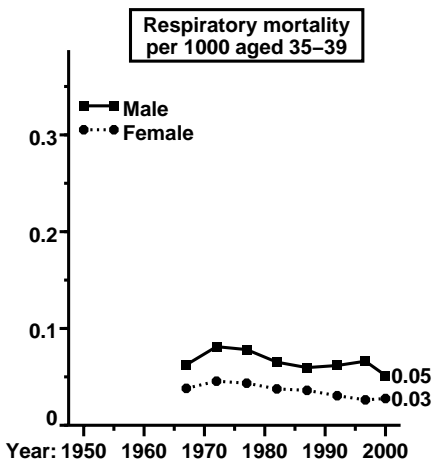
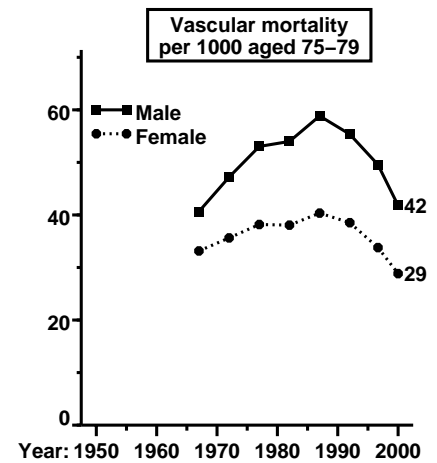
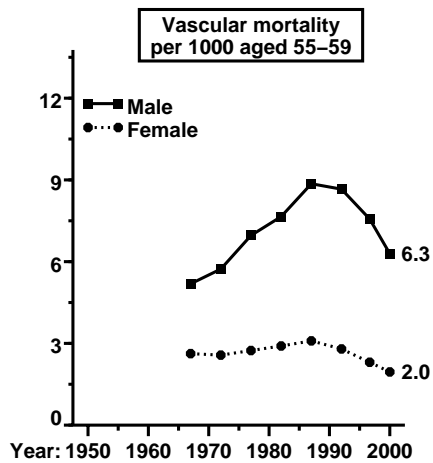
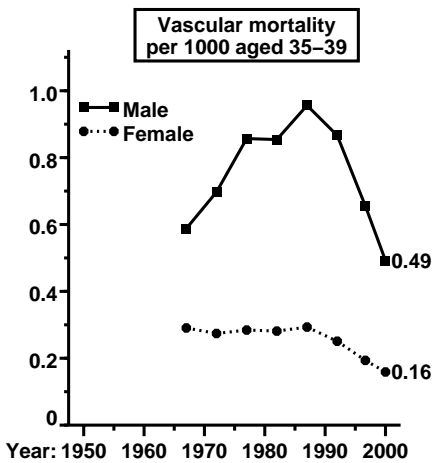
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1965–69,.....,1995–99; then year 2000 separately

1965-2000: POLAND

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1965-69,.....,1995-99; then year 2000 separately

PORTUGAL: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	55346	3202	17760	1045.3	126.0	994.6	168.9	24.1	31.2	97.1	148.2	179.1	233.6
	F	50467	1180	8991	603.9	51.4	434.3	135.4	19.5	17.8	35.5	41.6	39.9	70.3
Tuberculosis	M	254	15	122	4.9	0.6	6.4	0.3	-	-	-	0.7	0.5	2.4
	F	86	6	23	1.1	0.2	1.1	-	-	-	-	0.5	0.5	0.5
HIV	M	777	360	401	15.1	13.0	18.4	-	-	-	1.8	11.7	33.2	44.4
	F	174	88	82	3.2	3.2	3.4	0.4	-	-	0.6	4.6	6.0	11.1
Other infective and parasitic	M	550	85	200	10.8	3.7	10.8	11.4	1.7	1.8	1.2	1.2	3.3	5.0
	F	484	52	130	6.8	2.5	6.3	9.9	1.8	0.7	0.9	0.8	1.0	2.1
ALL CANCER	M	12706	182	5431	239.9	7.0	309.9	3.1	2.4	3.2	7.4	7.7	11.5	14.0
	F	8755	158	3458	120.7	6.4	166.2	4.4	4.0	4.1	5.6	4.8	7.9	14.3
Mouth and pharynx cancer	M	459	9	341	9.4	0.3	18.4	-	0.3	-	0.3	0.5	0.7	0.5
	F	100	1	43	1.4	0.1	2.0	0.4	-	-	-	-	-	-
Oesophagus cancer	M	424	-	265	8.4	-	14.6	-	-	-	-	-	-	-
	F	103	-	23	1.2	-	1.1	-	-	-	-	-	-	-
Stomach cancer	M	1577	5	710	29.8	0.2	40.1	-	-	-	-	0.2	0.2	0.8
	F	1040	8	354	13.7	0.3	17.1	-	-	0.4	-	0.5	0.7	0.5
Colorectal cancer	M	1598	4	595	29.6	0.1	34.8	-	-	-	-	-	0.2	0.8
	F	1265	9	413	16.5	0.3	20.1	-	-	-	-	-	0.2	2.1
Liver cancer	M	249	2	127	4.7	0.1	7.3	0.3	-	-	-	0.2	-	-
	F	93	3	32	1.3	0.2	1.6	0.4	0.4	0.4	-	-	-	-
Pancreas cancer	M	482	4	216	9.0	0.2	12.5	-	-	-	-	-	-	1.1
	F	397	-	120	5.0	-	5.9	-	-	-	-	-	-	-
Larynx cancer	M	367	-	227	7.2	-	12.5	-	-	-	-	-	-	-
	F	20	-	3	0.2	-	0.2	-	-	-	-	-	-	-
Lung cancer	M	2337	6	1260	44.5	0.2	72.4	-	-	-	-	0.2	0.2	1.1
	F	533	3	257	7.6	0.1	12.4	-	-	-	-	-	0.2	0.5
Malignant melanoma	M	82	4	52	1.6	0.1	2.8	-	-	-	-	0.2	0.2	0.5
	F	77	2	37	1.1	0.1	1.7	-	-	-	-	0.3	0.2	-
Female breast cancer	F	1524	15	798	23.0	0.6	37.6	-	-	0.4	-	-	0.5	3.2
Cervix cancer	F	227	6	140	3.7	0.2	6.4	-	-	-	-	-	0.7	0.8
Other uterine cancer	F	366	2	157	5.1	0.1	7.6	-	-	-	-	-	-	0.5
Ovarian cancer	F	371	7	205	5.6	0.3	9.9	-	-	-	-	0.3	0.5	1.1
Prostate cancer	M	1805	-	269	33.0	-	16.5	-	-	-	-	-	-	-
Bladder cancer	M	456	2	125	8.3	0.1	7.5	-	-	-	-	-	0.2	0.3
	F	190	1	29	2.2	0.1	1.4	-	0.4	-	-	-	-	-
Other and ill-defined cancer sites	M	2003	86	897	38.1	3.4	50.6	1.7	2.1	1.4	3.8	3.7	6.7	4.0
	F	1686	63	555	22.5	2.7	27.1	2.2	1.8	2.6	4.0	2.0	2.4	3.7
Hodgkin's disease	M	33	8	16	0.6	0.3	0.8	-	-	-	0.3	0.5	0.7	0.5
	F	30	5	15	0.5	0.2	0.7	-	-	-	-	0.8	0.5	-
Myeloma and non-Hodgkin lymphomas	M	441	13	190	8.2	0.5	11.0	0.3	-	-	0.6	0.5	-	2.1
	F	451	8	192	6.2	0.3	9.4	0.4	0.4	-	-	0.5	0.7	0.3
Leukaemia	M	393	39	141	7.4	1.6	8.0	0.7	-	1.8	2.4	1.5	2.1	2.4
	F	282	25	85	3.9	1.1	4.1	1.1	1.1	0.4	1.5	0.5	1.2	1.6
Diabetes	M	1293	5	352	23.5	0.2	20.9	-	-	-	-	-	0.2	1.1
	F	1845	3	333	21.5	0.1	16.6	-	-	-	-	-	0.2	0.5
ALL VASCULAR DISEASE	M	18675	146	4392	346.5	5.5	255.0	2.1	0.7	1.8	2.1	5.0	8.8	18.2
	F	22319	69	2208	245.3	2.7	109.0	3.3	-	0.7	1.2	2.8	2.9	8.2
Rheumatic heart disease and fever	M	44	1	20	0.8	0.1	1.1	-	-	0.4	-	-	-	-
	F	141	3	42	1.8	0.1	2.0	-	-	0.4	-	-	0.2	0.3
Hypertensive disease	M	383	1	78	7.2	0.1	4.5	-	-	0.4	-	-	-	-
	F	619	-	58	6.7	-	2.9	-	-	-	-	-	-	-
Ischaemic heart disease	M	4914	37	1720	91.7	1.3	99.1	-	-	-	-	0.7	3.6	5.0
	F	4104	4	622	46.8	0.1	30.8	-	-	-	-	0.3	0.2	0.5
Pulmonary embolism and other venous	M	420	8	115	7.8	0.3	6.7	-	-	-	0.3	0.2	-	1.6
	F	499	8	99	5.9	0.3	4.8	-	-	-	0.3	0.3	0.2	1.3
Cerebrovascular disease	M	9110	49	1753	168.0	1.9	102.6	0.7	0.3	1.1	0.3	2.2	3.1	5.3
	F	11885	30	1026	129.5	1.2	50.6	0.7	-	0.4	0.3	1.5	1.0	4.2
Other vascular disease	M	3804	50	706	70.9	1.9	41.0	1.4	0.3	-	1.5	1.7	2.1	6.3
	F	5071	24	361	54.6	1.0	17.8	2.6	-	-	0.6	0.8	1.2	1.8
Chronic obstructive pulmonary disease	M	1730	5	352	31.4	0.2	20.9	-	-	-	-	0.5	0.5	0.3
	F	892	5	132	10.2	0.2	6.5	0.4	-	-	0.3	0.3	0.2	0.3
Other respiratory disease	M	3863	67	693	72.0	2.7	39.7	5.5	0.3	0.4	1.5	1.5	3.1	6.6
	F	3794	28	304	41.3	1.2	14.9	2.2	0.4	0.7	0.6	1.5	1.7	1.1
Peptic ulcer	M	181	-	58	3.5	-	3.3	-	-	-	-	-	-	-
	F	163	1	19	1.8	0.0	0.9	-	-	-	-	-	0.2	-
Liver cirrhosis	M	1347	32	941	26.9	1.2	51.7	-	-	-	0.3	0.2	1.0	6.9
	F	475	14	305	7.8	0.5	14.2	-	-	-	-	0.3	1.7	1.6
Renal disease	M	753	9	164	14.1	0.3	9.5	0.3	-	-	-	0.2	0.7	1.1
	F	622	7	94	7.2	0.3	4.6	0.4	-	-	-	0.3	0.2	1.1
Pregnancy, birth	F	3	2	1	0.1	0.1	0.0	-	-	-	-	-	-	0.5
Congenital and perinatal causes	M	295	281	14	8.0	13.8	0.7	90.5	2.1	1.1	0.3	0.7	1.0	0.8
	F	213	204	9	6.0	10.5	0.4	69.7	0.4	0.4	0.6	1.3	0.7	0.5
Ill-defined causes	M	6741	725	2330	129.7	28.1	125.4	25.3	5.6	6.7	24.9	32.6	45.4	56.0
	F	6410	195	891	74.9	8.3	42.5	18.0	3.3	2.2	8.0	7.9	7.0	11.9
Other medical causes	M	2714	178	788	51.3	7.4	44.0	14.6	3.8	3.2	8.0	4.0	6.9	11.6
	F	2930	117	544	36.0	5.4	26.2	13.2	5.5	3.7	4.3	5.1	1.4	4.2
ALL NON-MEDICAL CAUSES	M	3467	1112	1522	67.7	42.3	78.1	15.6	7.3	13.1	49.7	82.1	63.0	65.3
	F	1302	231	458	19.9	9.7	21.4	13.6	4.0	5.2	13.3	11.5	8.2	12.4
Motor vehicle traffic accidents	M	1097	511	431	21.3	19.2	21.7	2.8	3.5	4.3	24.6	46.5	28.9	23.8
	F	278	91	117	4.8	3.8	5.4	2.6	1.5	3.0	5.9	5.9	3.8	3.7
Fire	M	58	8	32	1.2	0.3	1.6	0.7	0.3	-	-	0.5	0.7	-
	F	28	3	9	0.4	0.1	0.4	-	0.4	-	-	0.3	-	0.3
Suicide	M	417	68	197	8.0	2.5	10.3	-	-	-	2.7	4.7	4.3	5.8
	F	107	16	51	1.7	0.6	2.4	-	-	-	0.9	1.0	-	2.4
Homicide	M	67	28	37	1.3	1.0	1.8	0.3	-	-	1.2	2.7	1.9	1.1
	F	30	12	15	0.6	0.5	0.7	0.7	0.4	-	0.3	0.5	0.7	0.8
POPULATION:														
(1000s; UN, 2002 revision)			M=male		4818.8	2394.3	2008.4	288.4	286.8	281.8	337.9	402.1	418.8	378.5
			F=female		5196.6	2324.7	2223.8	272.5	272.3	269.9	323.6	391.9	416.0	378.5

2000: PORTUGAL

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK		
285.6	365.2	512.3	659.1	1000.0	1563.1	2576.8	4137.3	7011.4	17435.4	M	ALL CAUSES 001-999/A00-Y89
106.1	151.2	222.2	313.8	428.2	682.6	1135.9	2124.6	4005.5	13633.3	F	
4.8	4.5	4.5	4.4	7.9	6.6	12.2	17.4	29.6	45.7	M	Tuberculosis 010-018, 137/
0.5	0.6	1.8	0.3	0.7	1.4	2.2	6.8	6.5	13.6	F	A15-A19, B90
41.2	23.5	20.7	13.3	11.9	10.0	8.6	6.0	3.0	1.0	M	HIV 279.5, 279.6/B20-B24
9.0	7.4	2.4	1.2	2.1	1.4	0.4	0.8	1.0	-	F	
4.8	6.3	7.7	8.5	9.1	16.6	22.6	37.6	53.8	124.3	M	Other infective and parasitic Rest of 001-139/rest of A00-B99 excl A33,A34
1.6	2.6	3.3	1.9	5.2	11.3	18.4	29.8	37.7	76.8	F	
37.0	73.7	131.0	226.7	365.1	515.4	820.2	1196.6	1620.9	2741.6	M	ALL CANCER 140-208/C00-C97
33.7	60.0	98.0	145.5	192.9	270.6	362.7	528.8	709.8	1211.6	F	
3.1	5.1	18.8	22.8	22.2	27.8	28.9	28.3	16.7	34.8	M	Mouth and pharynx cancer 140-149/C00-C14
0.3	1.1	3.9	2.5	1.0	1.8	3.2	6.0	4.5	16.2	F	
2.0	6.3	8.0	14.6	23.0	18.3	30.3	34.3	30.3	55.7	M	Oesophagus cancer 150/C15
-	-	0.6	1.2	0.7	2.1	3.2	6.4	10.6	21.7	F	
5.9	14.1	18.5	28.2	48.1	65.1	100.7	143.2	219.1	308.2	M	Stomach cancer 151/C16
3.3	5.7	8.3	16.2	21.0	24.3	40.7	60.1	93.1	172.7	F	
2.5	6.6	8.0	18.7	35.8	64.7	107.5	167.8	225.2	391.7	M	Colorectal cancer 153, 154/C18-C21
2.4	5.7	8.0	16.5	24.5	34.8	48.7	72.8	110.7	222.2	F	
0.8	0.6	3.8	3.4	8.7	14.9	19.0	27.2	30.3	29.8	M	Liver cancer 155.0/C22 excl C221
0.3	1.1	0.3	0.3	1.4	3.5	4.0	8.4	6.0	12.6	F	
0.3	2.7	2.6	12.6	13.9	17.8	37.5	51.2	65.2	81.5	M	Pancreas cancer 157/C25
0.5	0.6	2.1	4.7	3.5	13.0	16.9	31.0	39.2	61.1	F	
1.1	2.7	10.2	15.0	15.1	18.3	25.3	27.8	35.6	41.7	M	Larynx cancer 161/C32
-	-	-	-	-	0.4	0.7	0.8	2.5	5.1	F	
5.6	13.8	25.5	50.0	99.7	124.9	187.4	254.4	264.6	253.5	M	Lung cancer 162/C33, C34
3.0	4.3	6.8	10.6	14.0	19.4	28.5	34.6	42.3	51.5	F	
1.4	1.8	1.6	3.4	1.2	4.6	5.4	7.1	5.3	6.0	M	Malignant melanoma 172/C43
0.8	0.9	1.5	1.9	1.7	1.4	4.0	4.4	3.5	10.1	F	
10.3	18.2	28.9	43.9	50.3	59.1	52.6	74.0	108.1	156.6	F	Female breast cancer 174/C50
3.3	5.4	7.7	7.2	7.3	8.1	5.8	12.7	11.6	13.1	F	Cervix cancer 180/C53
1.6	1.7	5.1	3.1	11.2	12.3	18.4	22.3	25.7	50.5	F	Other uterine cancer 179, 182/C54, C55
1.1	3.4	5.4	11.2	10.8	14.8	22.4	20.7	25.7	28.3	F	Ovarian cancer 183/C56, C570-C574
-	0.9	1.0	2.4	10.7	30.7	70.0	147.6	301.7	861.8	M	Prostate cancer 185/C61
0.3	0.6	1.6	2.4	6.0	12.4	29.4	51.7	66.0	146.1	M	Bladder cancer 188/C67
-	0.3	0.3	0.3	1.0	3.9	4.3	11.5	19.6	46.5	F	
8.8	11.7	24.5	44.2	57.6	83.0	124.2	178.6	232.8	382.7	M	Other and ill-defined cancer sites Rest of 140-199/ rest of C00-C80, C97
3.8	6.3	13.1	15.6	31.8	50.0	69.2	111.4	142.9	254.5	F	
0.8	0.9	1.0	0.7	0.4	1.2	0.5	2.2	2.3	2.0	M	Hodgkin's disease 201/C81
0.5	0.3	0.9	0.3	-	0.4	2.5	1.2	1.0	2.5	F	
2.0	2.7	3.2	3.7	13.9	19.5	32.1	41.9	71.3	66.6	M	Myeloma and non-Hodgkin lymphomas 200, 202-203/ C82-C90, C96
1.4	3.1	2.7	7.5	9.1	14.4	27.4	32.6	37.7	47.5	F	
2.3	3.0	2.9	4.8	8.7	12.0	22.1	33.2	54.6	79.5	M	Leukaemia 204-208/C91-C95
1.1	2.0	2.4	2.5	3.5	7.0	10.1	17.9	25.2	38.9	F	
1.1	3.9	6.1	6.5	18.3	36.5	73.6	128.0	239.6	382.7	M	Diabetes 250/E10-E14
0.8	0.9	2.7	9.7	13.3	25.3	63.8	126.9	208.2	391.9	F	
27.4	52.0	93.7	145.5	226.1	434.4	805.8	1450.4	2837.0	7685.9	M	ALL VASCULAR DISEASE 390-459/I00-I99
14.1	20.8	31.6	58.0	88.8	175.6	374.2	842.4	1876.8	7168.7	F	
0.3	0.3	1.0	1.4	0.4	2.5	1.8	3.8	6.1	8.0	M	Rheumatic heart disease and fever 390-398/I00-I09
0.3	0.9	1.2	1.6	1.7	4.6	4.0	9.2	16.6	20.2	F	
0.6	0.9	1.9	2.7	3.6	8.3	13.6	21.8	56.9	187.9	M	Hypertensive disease 401-405/I10-I15
-	0.3	0.6	0.6	1.7	6.0	11.2	17.1	54.3	207.1	F	
9.9	23.8	39.5	66.3	95.7	159.3	299.0	427.0	697.5	1444.3	M	Ischaemic heart disease 410-414/I20-I25
2.7	4.0	8.9	15.9	28.3	48.2	107.8	214.5	383.3	1099.5	F	
0.6	1.5	1.9	4.1	6.4	12.0	20.3	35.9	60.7	150.1	M	Pulmonary embolism and other venous 415.1, 451-453/ I26, I80-I82
1.4	1.7	2.4	1.9	4.2	6.3	15.9	21.1	48.3	122.7	F	
9.3	17.7	35.7	50.0	85.4	182.2	337.9	704.2	1483.7	4033.8	M	Cerebrovascular disease 430-438/I60-I69
6.8	9.7	13.7	30.9	41.2	76.7	175.2	431.0	1024.1	3893.9	F	
6.8	7.8	13.7	21.1	34.6	70.1	133.2	257.6	532.2	1861.8	M	Other vascular disease Rest of 390-459/ rest of I00-I99
3.0	4.3	4.8	7.2	11.5	33.8	60.2	149.6	350.1	1825.3	F	
1.4	4.8	3.2	8.5	16.7	31.5	80.4	176.5	300.2	649.1	M	Chronic obstructive pulmonary disease 490-496/ J40-J47, J67
0.3	0.9	3.9	4.4	5.2	8.4	22.4	46.6	78.5	243.4	F	
11.0	16.2	15.0	16.3	21.1	66.4	131.9	255.4	539.8	1910.5	M	Other respiratory disease Rest of 460-519/ rest of J00-J98
4.1	4.0	3.9	6.5	12.6	25.0	48.3	125.0	281.2	1307.6	F	
0.6	1.2	2.2	1.0	4.4	6.6	6.8	10.9	20.5	75.5	M	Peptic ulcer 531-533/K25-K27
0.3	0.6	0.6	0.9	0.7	0.7	2.5	7.6	16.1	46.5	F	
11.9	18.4	39.5	42.1	68.3	83.4	98.0	101.3	81.1	80.5	M	Liver cirrhosis 571/K70, K74
6.0	7.1	12.8	16.8	16.1	23.9	16.9	25.9	24.1	21.7	F	
1.7	2.1	2.6	5.1	10.7	17.4	26.6	49.6	101.6	352.9	M	Renal disease 580-590/N00-N19
0.8	0.9	2.7	2.2	3.8	8.8	13.0	32.2	51.8	170.2	F	
0.3	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth 630-676/A34, O00-O99
0.8	0.3	1.0	0.7	0.8	1.2	-	-	-	-	M	Congenital and perinatal causes 740-779/A33, P00-P96, Q00-Q99
0.8	0.6	0.3	0.3	0.3	-	0.4	-	-	-	F	
66.4	71.3	88.3	90.8	121.6	180.9	258.4	374.2	641.4	2140.2	M	Ill-defined causes 780-799/R00-R99
15.0	21.9	26.2	28.4	39.5	64.0	102.7	175.1	377.8	2087.4	F	
13.3	16.2	26.1	26.9	46.5	62.7	116.5	197.2	374.5	886.7	M	Other medical causes Rest of 001-799/ rest of A00-R99
6.5	10.5	14.9	18.1	24.8	37.3	71.4	126.9	256.5	727.3	F	
62.1	70.7	70.8	62.9	71.5	93.4	115.2	136.2	168.3	358.8	M	ALL NON-MEDICAL CAUSES E800-E999/V01-Y89
12.2	12.8	17.3	19.6	22.0	28.9	36.8	49.7	79.5	166.7	F	
17.8	25.0	20.7	19.4	18.7	24.5	25.7	34.3	31.1	50.7	M	Motor vehicle traffic accidents E810-E819/ part of V01-V99
2.7	4.3	3.3	6.9	5.6	6.3	9.0	6.4	12.6	14.6	F	
2.0	1.2	1.3	1.7	2.0	-	3.2	2.2	1.5	11.9	M	Fire E890-E899/X00-X09
-	0.3	0.3	-	-	1.1	1.4	1.6	2.0	4.0	F	
6.8	11.1	6.1	7.1	5.6	17.8	17.6	25.6	34.9	58.6	M	Suicide E950-E959/X60-X84
1.6	0.6	2.7	1.6	2.4	3.9	4.0	3.6	6.0	9.6	F	
2.0	2.7	2.2	0.3	2.4	0.8	2.3	-	-	2.0	M	Homicide E960-E969/ X85-X99, Y00-Y09
0.3	0.6	1.2	1.2	-	1.4	-	0.4	0.5	0.5	F	
354.0	332.4	313.7	294.2	251.7	241.0	221.4	183.6	131.9	100.6	M	POPULATION
367.6	351.8	335.8	320.9	286.1	284.2	277.4	251.3	198.8	198.0	F	(1000s; UN, 2002 revision)

PORTUGAL: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	3980	193	11	7	175	16	93	151	46	1824	1657
35-69	Sm.	3948	1777	1058	390	329	279	114	959	-	819	-
	Total	18742 (21%)	5367 (33%)	1206 (88%)	755 (52%)	3406 (10%)	422 (66%)	606 (19%)	5245 (18%)	1176	4076 (20%)	1850
70+	Sm.	3272	1175	728	138	309	728	122	862	-	385	-
	Total	31712 (10%)	6033 (19%)	885 (82%)	341 (40%)	4807 (6%)	1300 (56%)	2124 (6%)	14487 (6%)	438	6462 (6%)	868
Any age	Sm.	7220	2952	1786	528	638	1007	236	1821	-	1204	-
	Total	54434 (13%)	11593 (25%)	2102 (85%)	1103 (48%)	8388 (8%)	1738 (58%)	2823 (8%)	19883 (9%)	1660	12362 (10%)	4375
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	3202	182	6	9	167	5	67	146	32	1658	1112
35-69	Sm.	4059	1892	1112	446	334	234	133	840	-	960	-
	Total	17760 (23%)	5431 (35%)	1260 (88%)	833 (54%)	3338 (10%)	352 (66%)	693 (19%)	4392 (19%)	941	4429 (22%)	1522
70+	Sm.	3815	1464	897	177	390	791	189	893	-	478	-
	Total	34384 (11%)	7093 (21%)	1071 (84%)	408 (43%)	5614 (7%)	1373 (58%)	3103 (6%)	14137 (6%)	374	7471 (6%)	833
Any age	Sm.	7874	3356	2009	623	724	1025	322	1733	-	1438	-
	Total	55346 (14%)	12706 (26%)	2337 (86%)	1250 (50%)	9119 (8%)	1730 (59%)	3863 (8%)	18675 (9%)	1347	13558 (11%)	3467

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)														
1995		4775.6	2462.2	1935.7	335.8	318.3	300.9	261.3	256.6	245.4	217.4	174.2	107.6	95.9
2000		4818.8	2394.3	2008.4	354.0	332.4	313.7	294.2	251.7	241.0	221.4	183.6	131.9	100.6
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		54434	3980	18742	1016	1159	1517	1803	2848	4339	6060	7714	7873	16125
2000		55346	3202	17760	1011	1214	1607	1939	2517	3767	5705	7596	9248	17540
Lung cancer														
1995		2102	11	1206	21	42	83	99	225	335	401	363	279	243
2000		2337	6	1260	20	46	80	147	251	301	415	467	349	255
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
1995		1091.5*	157.4*	1075.2*	302.6	364.1	504.2	690.0	1109.9	1768.1	2787.5	4428.2	7316.9	16814.4
2000		1045.3*	126.0*	994.6*	285.6	365.2	512.3	659.1	1000.0	1563.1	2576.8	4137.3	7011.4	17435.4
All cancer														
1995		231.6*	7.6*	313.2*	38.1	66.3	129.9	197.5	347.6	562.8	850.0	1162.5	1582.7	2403.5
2000		239.9*	7.0*	309.9*	37.0	73.7	131.0	226.7	365.1	515.4	820.2	1196.6	1620.9	2741.6
Lung cancer														
1995		42.1*	0.4*	70.5*	6.3	13.2	27.6	37.9	87.7	136.5	184.5	208.4	259.3	253.4
2000		44.5*	0.2*	72.4*	5.6	13.8	25.5	50.0	99.7	124.9	187.4	254.4	264.6	253.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		23.0*	0.3*	43.0*	4.8	12.3	25.6	46.3	48.3	77.0	86.9	85.0	78.1	113.7
2000		25.1*	0.3*	45.5*	6.2	14.1	37.0	52.3	60.4	64.3	84.5	90.4	82.6	132.2
Other cancer														
1995		166.5*	6.9*	199.6*	27.1	40.8	76.8	113.3	211.6	349.2	578.7	869.1	1245.4	2036.5
2000		170.4*	6.5*	191.9*	25.1	45.7	68.5	124.4	205.0	326.1	548.3	851.9	1273.7	2355.9
Chronic obstructive pulmonary disease (COPD)														
1995		34.2*	0.6*	25.3*	1.8	2.2	7.0	10.0	22.2	49.7	84.2	185.4	300.2	682.0
2000		31.4*	0.2*	20.9*	1.4	4.8	3.2	8.5	16.7	31.5	80.4	176.5	300.2	649.1
Other respiratory disease														
1995		56.7*	3.8*	35.2*	8.9	11.6	11.3	23.7	33.1	56.2	101.2	201.5	400.6	1399.4
2000		72.0*	2.7*	39.7*	11.0	16.2	15.0	16.3	21.1	66.4	131.9	255.4	539.8	1910.5
Vascular disease														
1995		394.4*	5.9*	310.3*	33.4	60.3	102.0	164.2	286.4	543.6	982.5	1785.9	3329.0	8127.2
2000		346.5*	5.5*	255.0*	27.4	52.0	93.7	145.5	226.1	434.4	805.8	1450.4	2837.0	7685.9
Liver cirrhosis														
1995		34.6*	1.8*	66.2*	15.2	26.4	39.9	59.7	86.1	110.8	125.1	113.7	133.8	100.1
2000		26.9*	1.2*	51.7*	11.9	18.4	39.5	42.1	68.3	83.4	98.0	101.3	81.1	80.5
Other medical causes														
1995		251.8*	75.2*	227.7*	120.9	110.6	128.6	150.0	229.5	334.1	519.8	810.6	1378.3	3719.5
2000		260.8*	67.1*	239.3*	134.7	129.4	159.1	157.0	231.2	338.6	525.3	820.8	1464.0	4008.9
All non-medical causes														
1995		88.2*	62.6*	97.4*	84.3	86.7	85.4	85.0	104.8	110.8	124.7	168.8	192.4	382.7
2000		67.7*	42.3*	78.1*	62.1	70.7	70.8	62.9	71.5	93.4	115.2	136.2	168.3	358.8

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: PORTUGAL

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1486	188	4	2	182	8	39	81	25	737	408
35-69	Sm.	123	44	37	2	5	14	2	36	-	27	-
	Total	9534 (1%)	3467 (1%)	216 (17%)	56 (4%)	3195 (0%)	139 (10%)	231 (1%)	2752 (1%)	390	1992 (1%)	563
70+	Sm.	82	22	17	2	3	15	3	28	-	14	-
	Total	38485 (0%)	4759 (0%)	251 (7%)	139 (1%)	4369 (0%)	696 (2%)	2281 (0%)	20807 (0%)	175	9184 (0%)	583
Any age	Sm.	205	66	54	4	8	29	5	64	-	41	-
	Total	49505 (0%)	8414 (1%)	471 (11%)	197 (2%)	7746 (0%)	843 (3%)	2551 (0%)	23640 (0%)	590	11913 (0%)	1554
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1180	158	3	1	154	5	28	69	14	675	231
35-69	Sm.	238	91	73	7	11	23	8	58	-	58	-
	Total	8991 (3%)	3458 (3%)	257 (28%)	69 (10%)	3132 (0%)	132 (17%)	304 (3%)	2208 (3%)	305	2126 (3%)	458
70+	Sm.	293	65	48	8	9	78	15	88	-	47	-
	Total	40296 (1%)	5139 (1%)	273 (18%)	153 (5%)	4713 (0%)	755 (10%)	3462 (0%)	20042 (0%)	156	10129 (0%)	613
Any age	Sm.	531	156	121	15	20	101	23	146	-	105	-
	Total	50467 (1%)	8755 (2%)	533 (23%)	223 (7%)	7999 (0%)	892 (11%)	3794 (1%)	22319 (1%)	475	12930 (1%)	1302

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	5140.9	2410.5	2153.7	351.8	336.8	323.3	289.8	290.7	289.3	272.0	231.9	159.5	185.3
2000	5196.6	2324.7	2223.8	367.6	351.8	335.8	320.9	286.1	284.2	277.4	251.3	198.8	198.0
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	49505	1486	9534	342	540	680	948	1421	2225	3378	5534	7349	25602
2000	50467	1180	8991	390	532	746	1007	1225	1940	3151	5339	7963	26994
Lung cancer													
1995	471	4	216	5	12	22	25	34	56	62	80	55	116
2000	533	3	257	11	15	23	34	40	55	79	87	84	102
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	646.1*	63.9*	470.7*	97.2	160.3	210.3	327.1	488.8	769.1	1241.9	2386.4	4607.5	13816.5
2000	603.9*	51.4*	434.3*	106.1	151.2	222.2	313.8	428.2	682.6	1135.9	2124.6	4005.5	13633.3
All cancer													
1995	124.6*	7.6*	170.1*	33.5	68.9	87.8	149.1	204.0	274.5	372.8	556.3	753.0	1224.0
2000	120.7*	6.4*	166.2*	33.7	60.0	98.0	145.5	192.9	270.6	362.7	528.8	709.8	1211.6
Lung cancer													
1995	7.1*	0.2*	10.6*	1.4	3.6	6.8	8.6	11.7	19.4	22.8	34.5	34.5	62.6
2000	7.6*	0.1*	12.4*	3.0	4.3	6.8	10.6	14.0	19.4	28.5	34.6	42.3	51.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	2.7*	0.1*	2.8*	-	0.9	0.9	2.8	3.8	5.9	5.1	14.2	20.7	39.4
2000	2.9*	0.1*	3.3*	0.3	1.1	4.5	3.7	1.7	4.2	7.2	13.1	17.6	42.9
Other cancer													
1995	114.8*	7.3*	156.7*	32.1	64.4	80.1	137.7	188.5	249.2	344.9	507.5	697.8	1122.0
2000	110.2*	6.3*	150.6*	30.5	54.6	86.7	131.2	177.2	247.0	327.0	481.1	649.9	1117.2
Chronic obstructive pulmonary disease (COPD)													
1995	10.7*	0.3*	6.9*	0.6	1.5	1.2	7.2	7.9	13.5	16.5	48.7	98.4	229.9
2000	10.2*	0.2*	6.5*	0.3	0.9	3.9	4.4	5.2	8.4	22.4	46.6	78.5	243.4
Other respiratory disease													
1995	30.6*	1.6*	11.5*	2.6	2.7	5.6	4.5	10.7	17.3	37.1	103.1	230.1	903.9
2000	41.3*	1.2*	14.9*	4.1	4.0	3.9	6.5	12.6	25.0	48.3	125.0	281.2	1307.6
Vascular disease													
1995	285.9*	3.1*	138.3*	12.5	20.8	37.7	63.8	121.4	244.7	466.9	1069.0	2437.0	7793.3
2000	245.3*	2.7*	109.0*	14.1	20.8	31.6	58.0	88.8	175.6	374.2	842.4	1876.8	7168.7
Liver cirrhosis													
1995	10.0*	1.0*	18.9*	3.4	10.4	13.6	16.9	26.5	29.0	32.7	26.7	35.7	30.2
2000	7.8*	0.5*	14.2*	6.0	7.1	12.8	16.8	16.1	23.9	16.9	25.9	24.1	21.7
Other medical causes													
1995	158.3*	33.8*	98.1*	29.8	36.2	45.2	60.4	89.1	153.5	272.4	527.0	967.4	3464.1
2000	158.6*	30.6*	102.1*	35.6	45.8	54.8	62.9	90.5	150.2	274.7	506.2	955.7	3513.6
All non-medical causes													
1995	26.0*	16.5*	26.9*	14.8	19.9	19.2	25.2	29.2	36.6	43.4	55.6	85.9	171.1
2000	19.9*	9.7*	21.4*	12.2	12.8	17.3	19.6	22.0	28.9	36.8	49.7	79.5	166.7

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

PORTUGAL: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 3.2	– / 1.2	–
35–69	4.1 / 18	0.2 / 9.0	23 years
70+	3.8 / 34	0.3 / 40	8 years
All ages	7.9 / 55	0.5 / 50	15 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

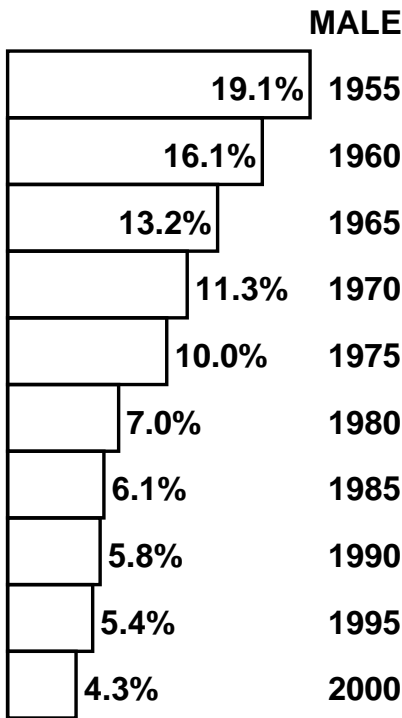
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	1.1/1.3	0.9/1.1	2.0/2.3	–/0.0	0.1/0.3	0.0/0.3	0.1/0.5
All Cancer	–/0.2	1.9/5.4 (35%)	1.5/7.1 (21%)	3.4/13	–/0.2	0.1/3.5 (3%)	0.1/5.1 (1%)	0.2/8.8
Vascular	–/0.1	0.8/4.4	0.9/14	1.7/19	–/0.1	0.1/2.2	0.1/20	0.1/22
Respiratory	–/0.1	0.4/1.0	1.0/4.5	1.3/5.6	–/0.0	0.0/0.4	0.1/4.2	0.1/4.7
All Other	–/2.8	1.0/6.9	0.5/8.7	1.4/18	–/0.9	0.1/2.9	0.0/11	0.1/15
All Causes	–/3.2	4.1/18 (23%)	3.8/34 (11%)	7.9/55	–/1.2	0.2/9.0 (3%)	0.3/40 (0.7%)	0.5/50

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	3.4 / 13 (26%)	0.2 / 8.8 (2%)	3.5 / 21 (16%)
All Causes	7.9 / 55 (14%)	0.5 / 50 (1%)	8.4 / 106 (8%)

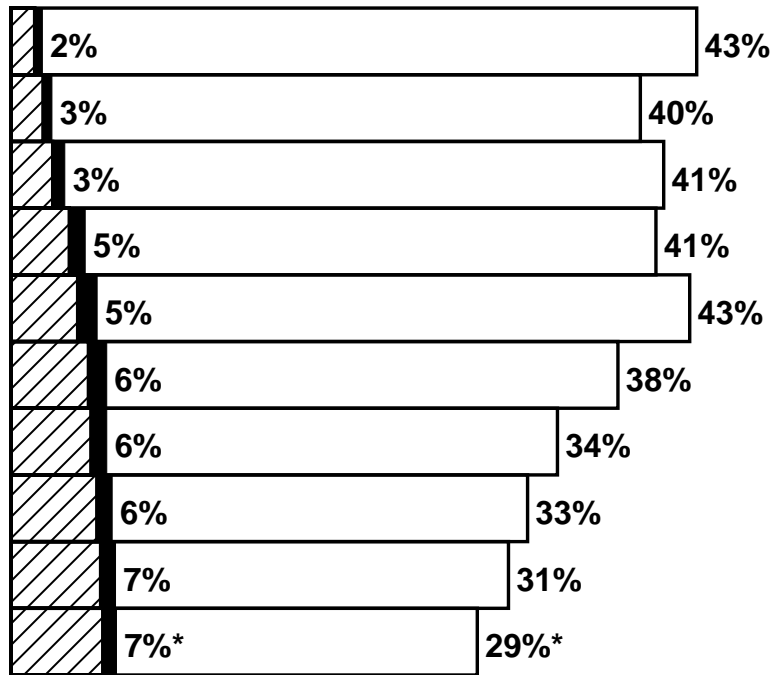
1955-2000: PORTUGAL

Population risk of dying at ages 0-34



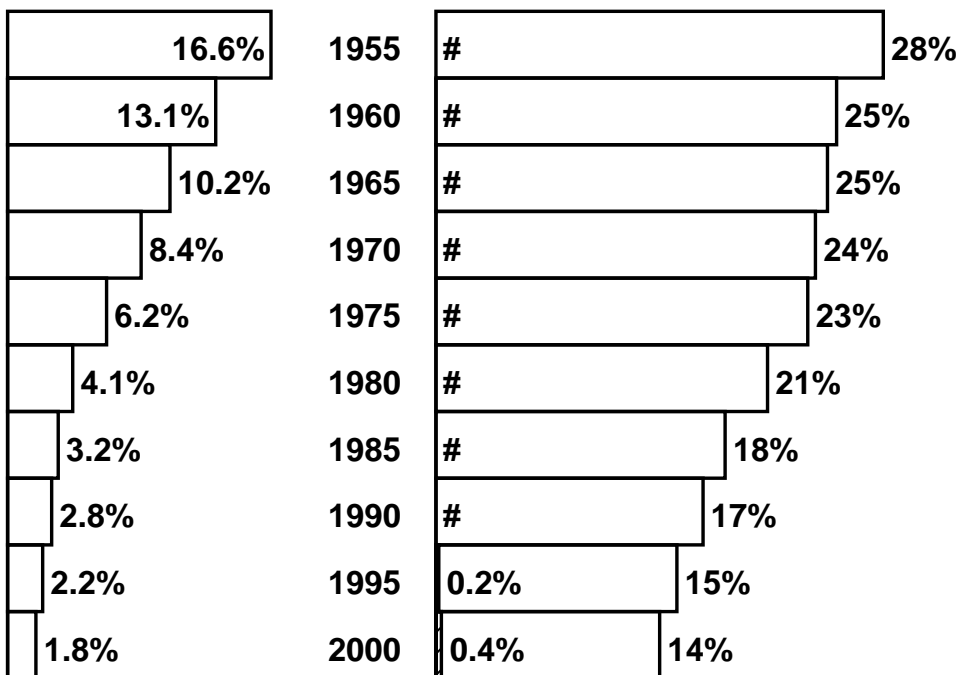
Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not



*At year 2000 male death rates, out of 100 men aged 35, 29 would die before age 70 (with 7 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

PORTUGAL: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/18	0.8/17 (5%)	0.3/16 (2%)	1.1/50	-/15	0.0/12	0.0/22	0.0/49
1960	-/15	1.1/16 (7%)	0.2/17 (0.9%)	1.2/48	-/12	0.0/11	0.0/23	0.0/47
1965	-/13	1.5/18 (8%)	0.4/18 (2%)	2.0/49	-/9.5	0.0/12	0.0/25	0.0/46
1970	-/9.5	2.1/18 (12%)	0.7/20 (3%)	2.8/47	-/7.0	0.0/12	0.0/27	0.0/46
1975	-/8.0	2.7/21 (13%)	1.2/22 (5%)	3.9/51	-/5.0	0.0/12	0.0/29	0.0/47
1980	-/6.0	3.1/19 (16%)	1.6/24 (7%)	4.7/50	-/3.3	0.0/11	0.0/31	0.0/45
1985	-/4.8	3.4/19 (18%)	2.3/27 (9%)	5.7/51	-/2.3	0.0/10	0.0/34	0.0/46
1990	-/4.2	3.8/19 (20%)	2.8/30 (9%)	6.6/53	-/1.8	0.0/10	0.0/37	0.0/50
1995	-/4.0	3.9/19 (21%)	3.3/32 (10%)	7.2/54	-/1.5	0.1/9.5 (1%)	0.1/38 (0.2%)	0.2/50
2000	-/3.2	4.1/18 (23%)	3.8/34 (11%)	7.9/55	-/1.2	0.2/9.0 (3%)	0.3/40 (0.7%)	0.5/50

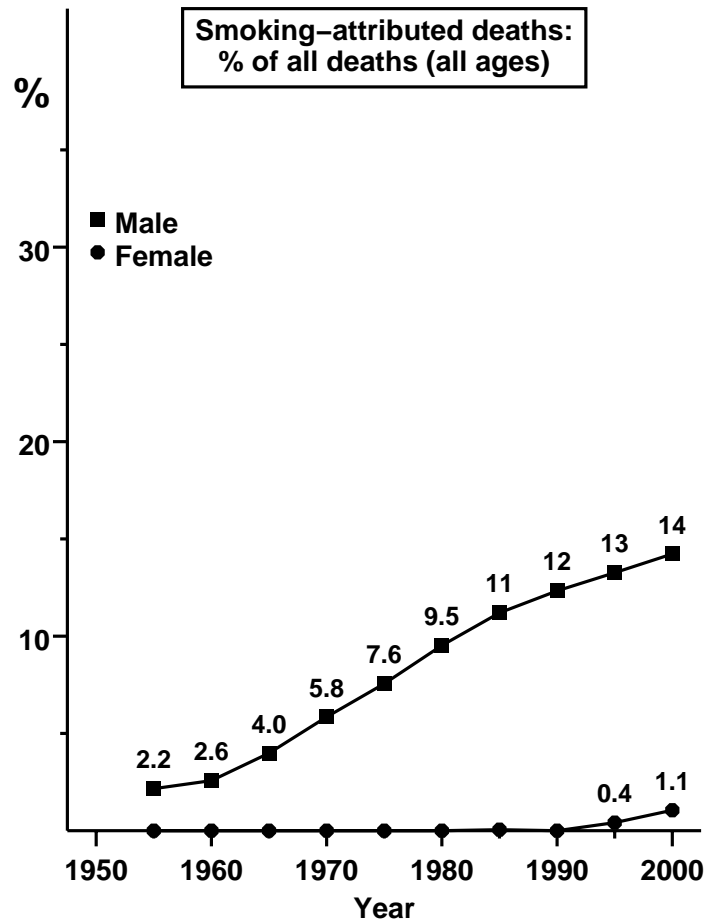
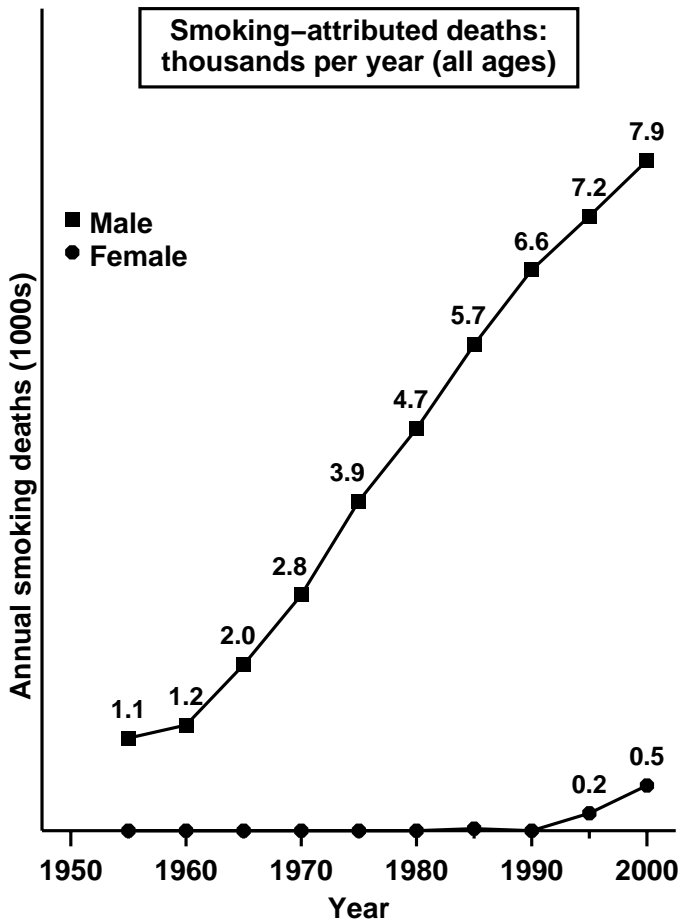
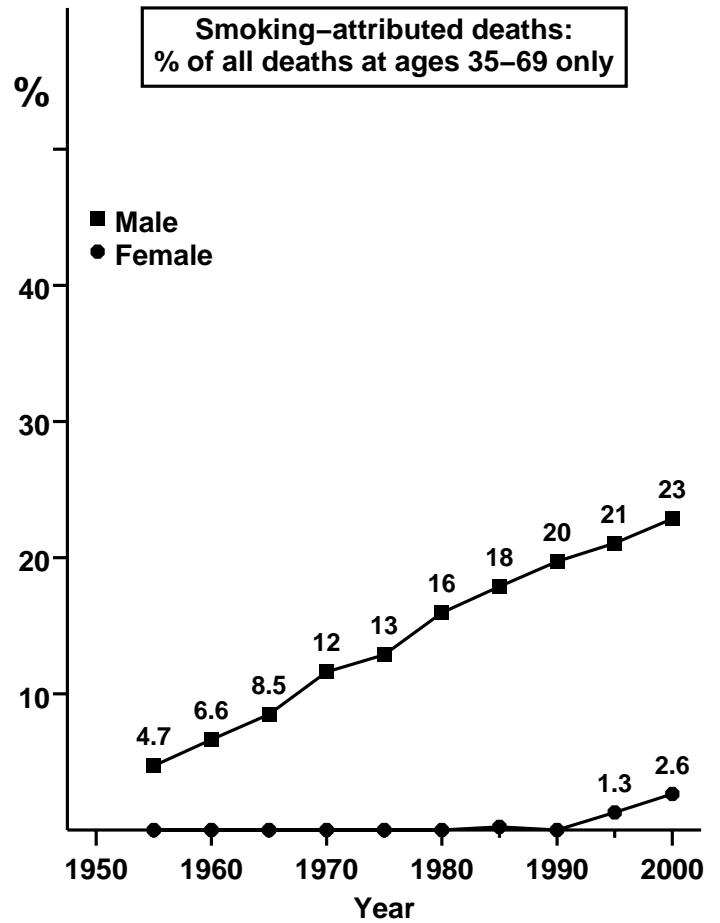
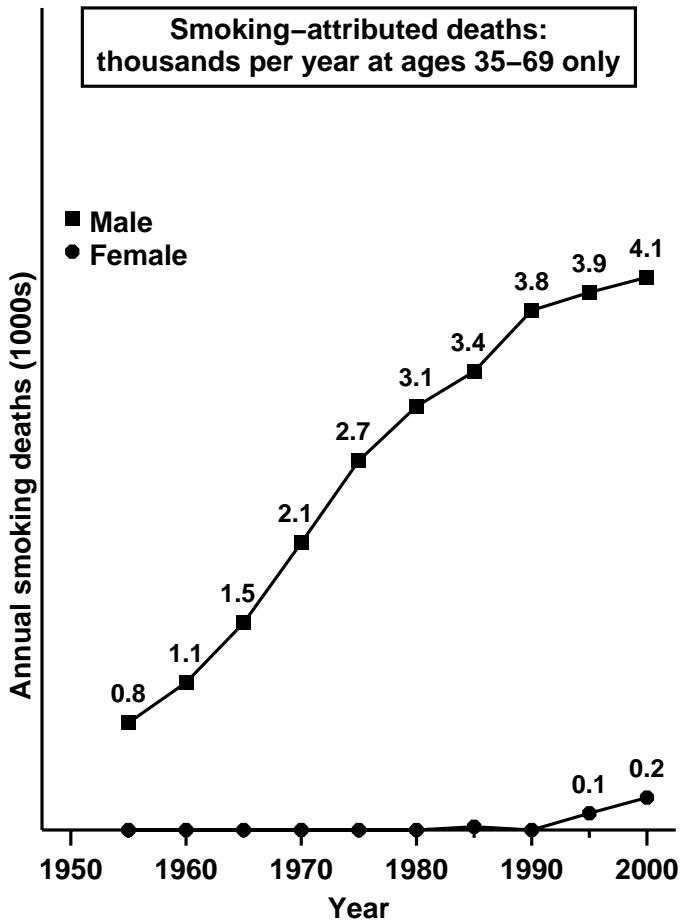
50-year total* (thousands), mid-1950 to mid-2000: 201 / 4939

1950-2000 by age & sex:

-/476	123/933 (13%)	75/1152 (7%)	198/2560	-/335	1.5/561 (0.3%)	0.8/1482 (0.1%)	2.3/2379
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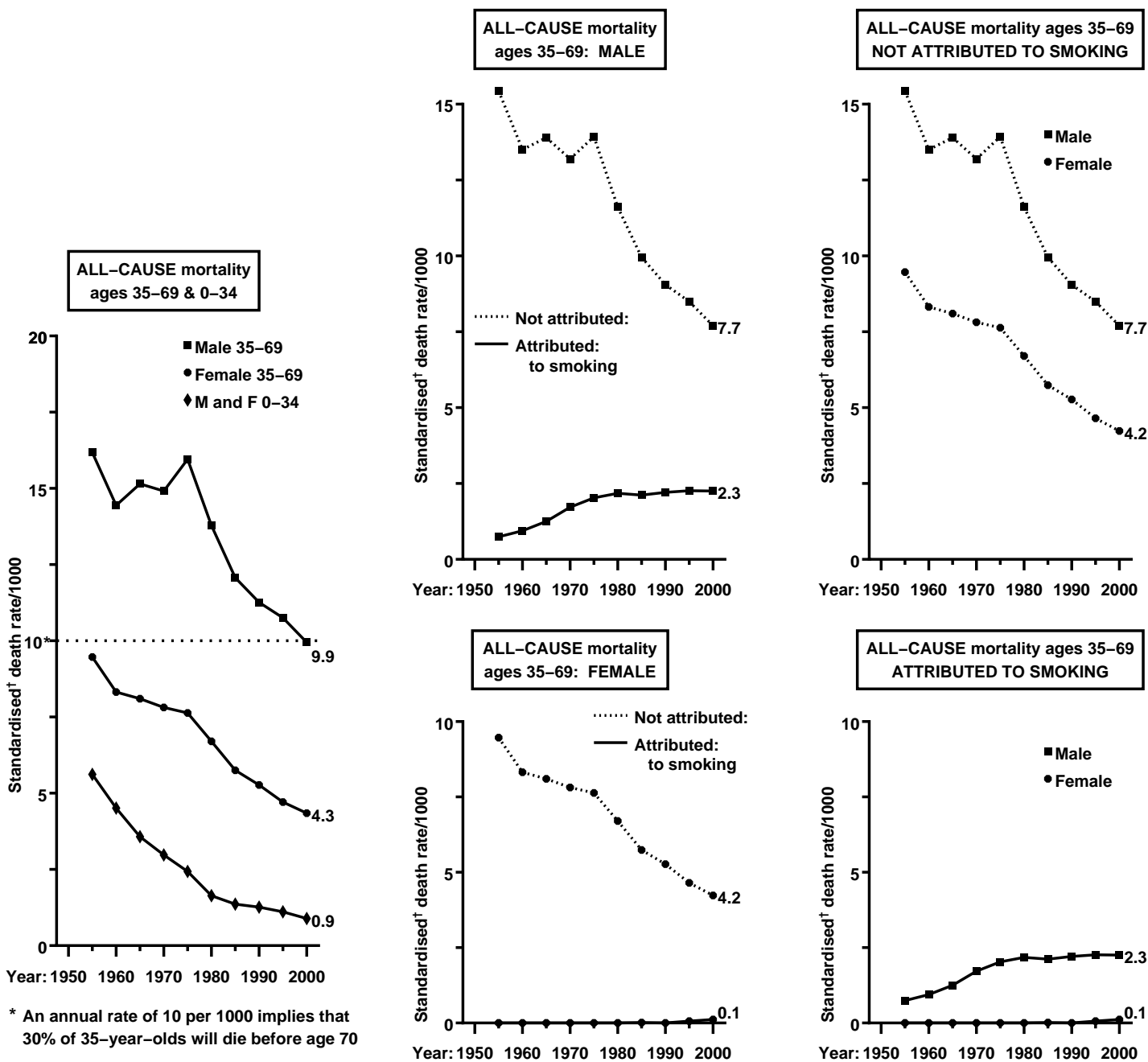
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: PORTUGAL



PORTUGAL: 1955-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

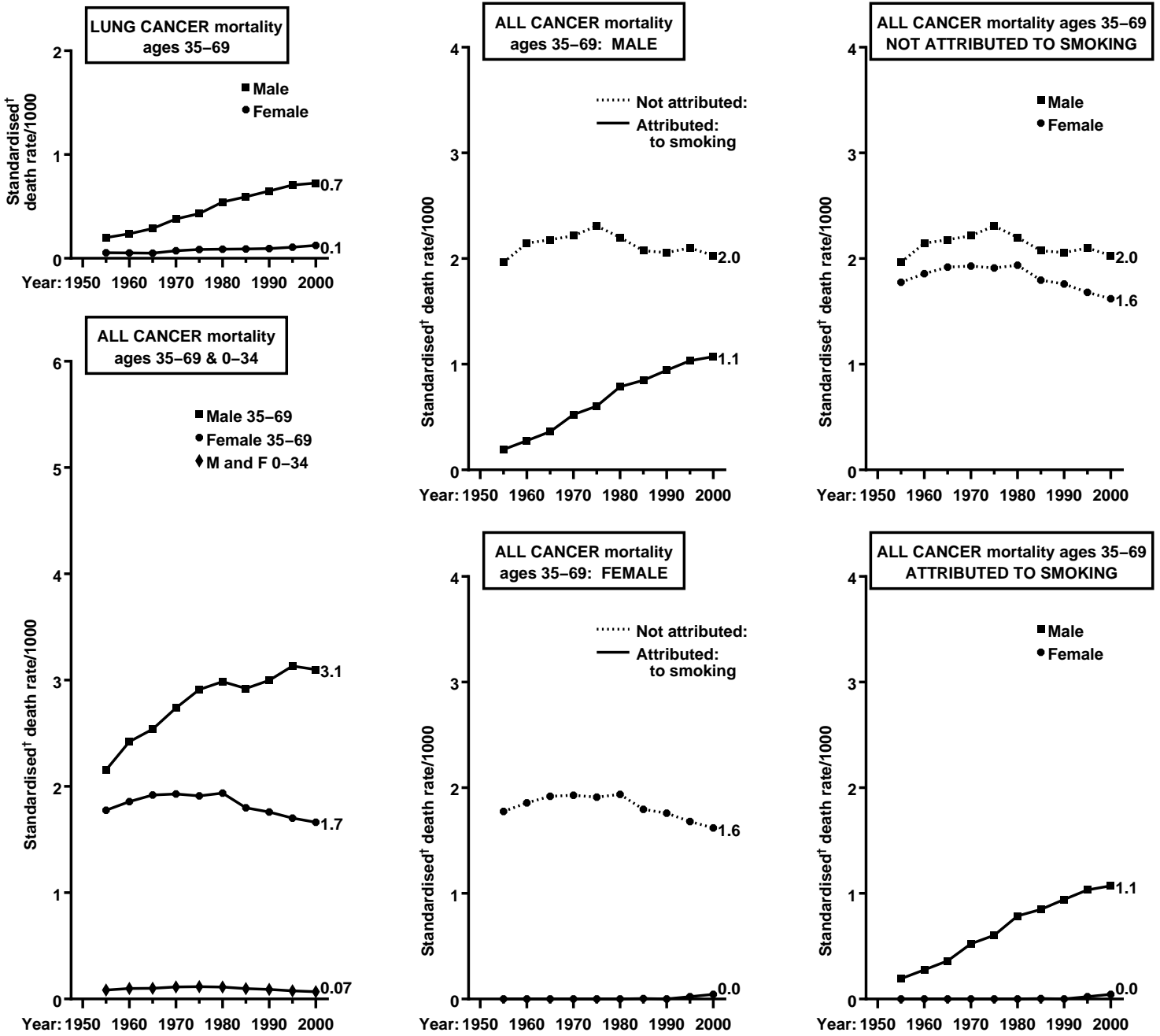


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955	-	6.04	0.74	15.4	1.98	91.6	-	5.19	0.00	9.46	0.00	67.8	-	67.8		
1960	-	5.00	0.94	13.5	0.93	80.3	-	4.02	0.00	8.32	0.00	60.3	-	60.3		
1965	-	4.06	1.25	13.9	2.19	78.2	-	3.08	0.00	8.10	0.00	56.4	-	56.4		
1970	-	3.43	1.72	13.2	3.25	78.6	-	2.51	0.00	7.81	0.00	57.5	-	57.5		
1975	-	3.02	2.03	13.9	5.41	88.6	-	1.84	0.00	7.63	0.00	59.2	-	59.2		
1980	-	2.07	2.17	11.6	5.38	67.5	-	1.20	0.00	6.70	0.00	50.7	-	50.7		
1985	-	1.79	2.12	9.95	6.45	61.4	-	0.93	0.01	5.74	0.00	41.2	-	41.2		
1990	-	1.72	2.21	9.05	6.88	55.9	-	0.80	0.00	5.27	0.00	39.3	-	39.3		
1995	-	1.57	2.26	8.49	6.90	51.8	-	0.64	0.06	4.65	0.18	34.8	-	34.8		
2000	-	1.26	2.25	7.70	7.40	48.3	-	0.51	0.11	4.23	0.30	30.3	-	30.3		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000: PORTUGAL

Trends in ALL CANCER mortality attributed and not attributed to smoking



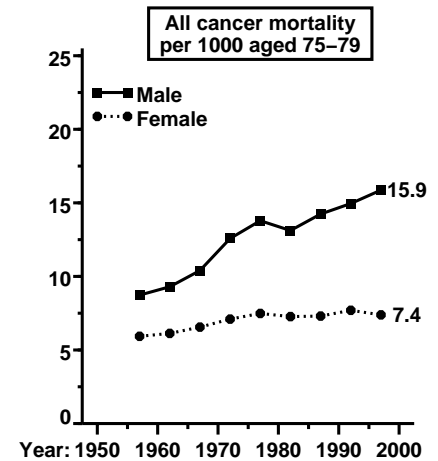
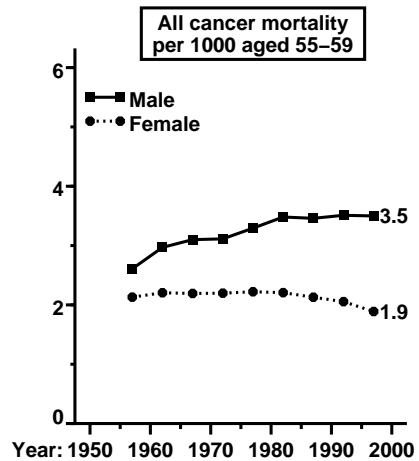
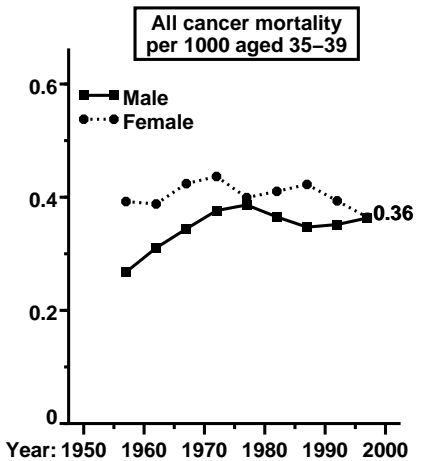
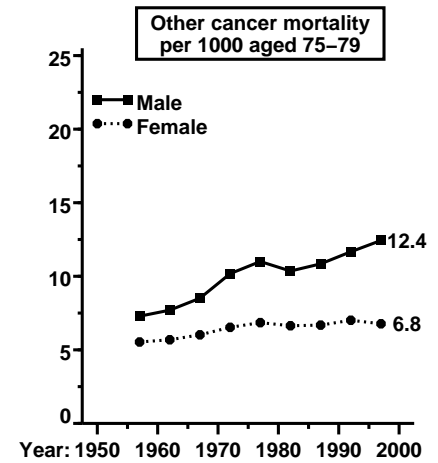
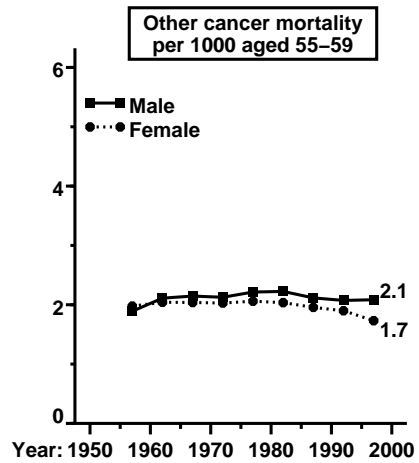
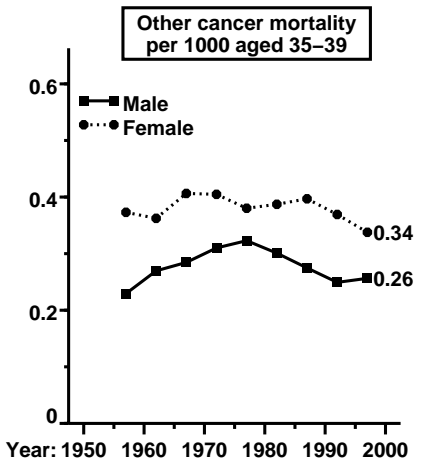
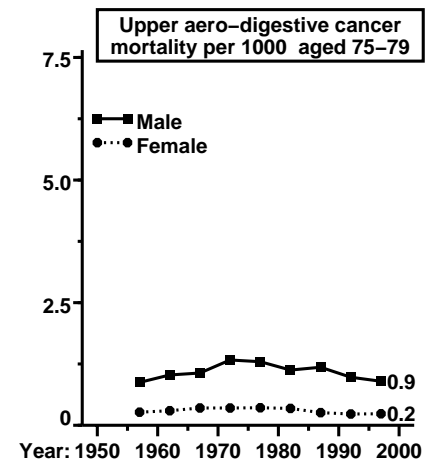
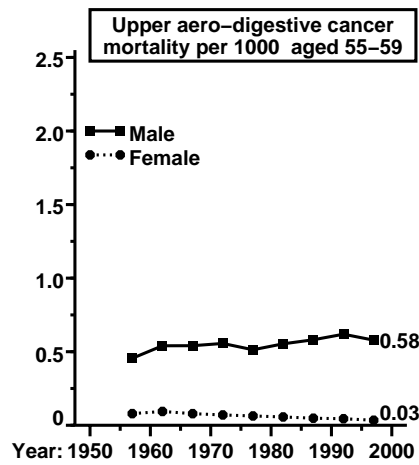
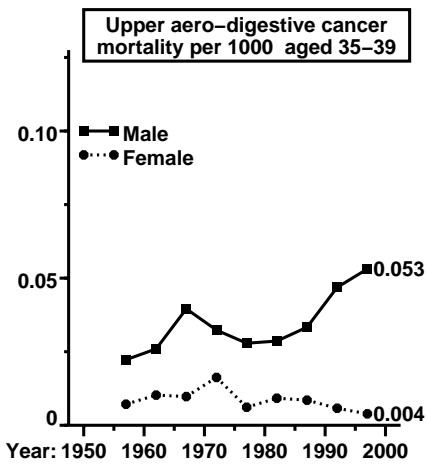
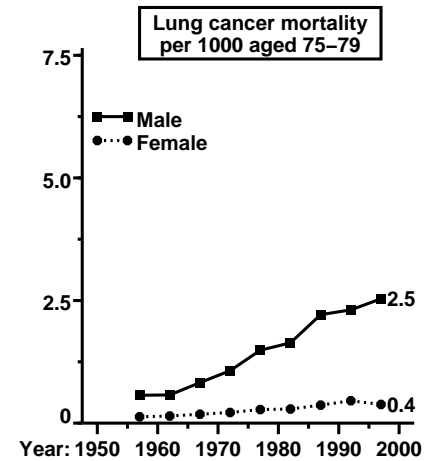
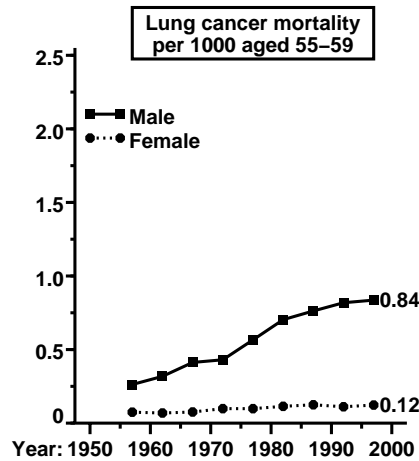
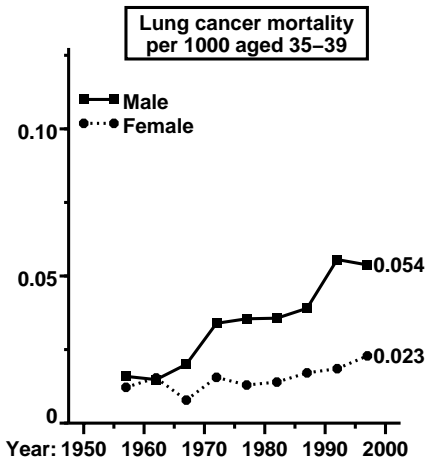
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	0.08	0.19	1.96	0.47	7.43	-	0.08	0.00	1.77	0.00	5.51	0.00	5.28	0.00	5.28
1960	-	0.11	0.28	2.14	0.23	8.09	-	0.09	0.00	1.86	0.00	5.95	0.00	5.95	0.00	6.04
1965	-	0.11	0.36	2.18	0.58	8.55	-	0.09	0.00	1.92	0.00	6.65	0.00	6.65	0.00	6.51
1970	-	0.11	0.52	2.22	0.87	9.39	-	0.11	0.00	1.93	0.00	6.51	0.00	6.51	0.00	6.02
1975	-	0.12	0.60	2.31	1.43	10.7	-	0.11	0.00	1.91	0.00	6.70	0.00	6.70	0.00	6.70
1980	-	0.12	0.79	2.20	1.77	9.98	-	0.11	0.00	1.94	0.00	6.50	0.00	6.50	0.00	6.50
1985	-	0.10	0.85	2.07	2.36	9.87	-	0.09	0.00	1.79	0.00	6.70	0.00	6.70	0.00	6.70
1990	-	0.09	0.94	2.06	2.70	9.88	-	0.09	0.00	1.76	0.00	6.50	0.00	6.50	0.00	6.50
1995	-	0.08	1.03	2.10	2.94	10.8	-	0.08	0.02	1.68	0.05	6.10	0.05	6.10	0.05	6.10
2000	-	0.07	1.07	2.03	3.32	10.8	-	0.06	0.04	1.62	0.09	6.10	0.09	6.10	0.09	6.10

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

PORTUGAL: 1955-2000

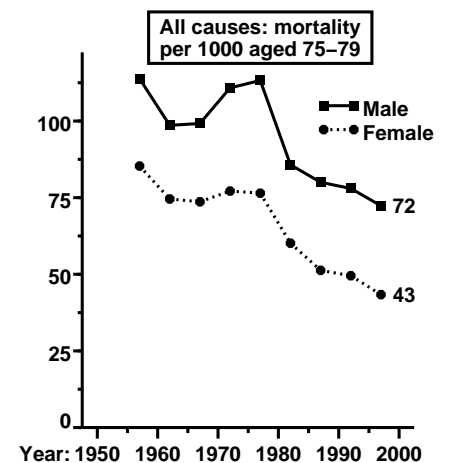
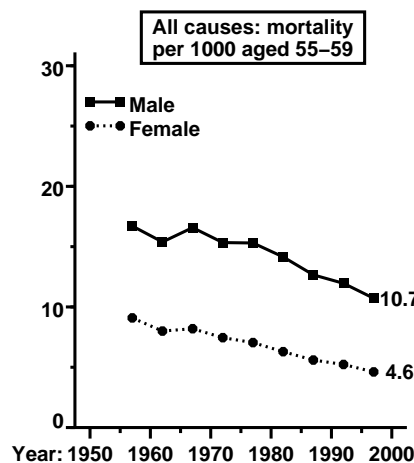
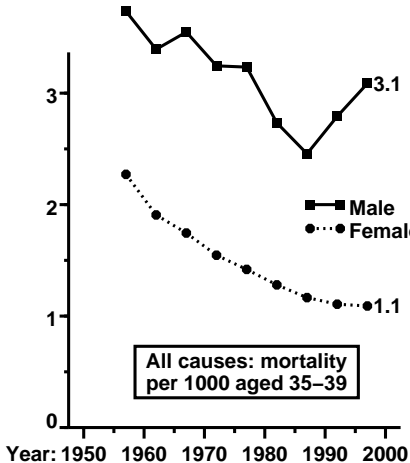
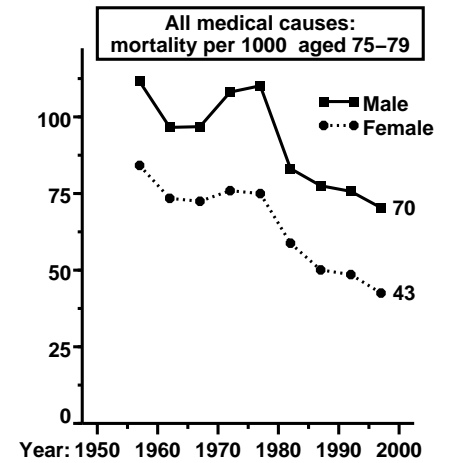
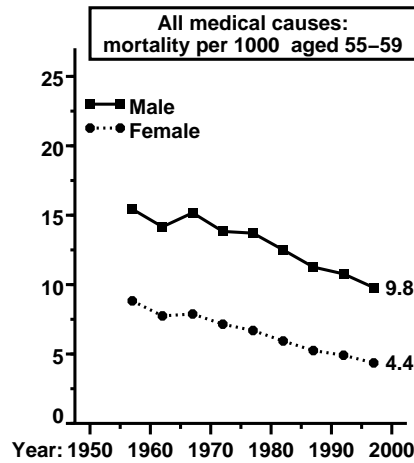
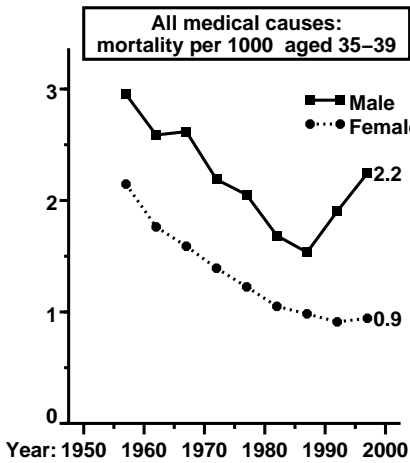
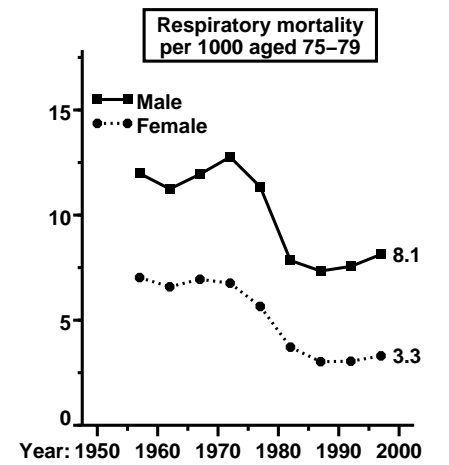
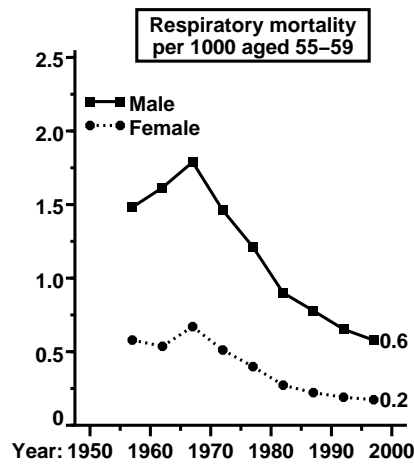
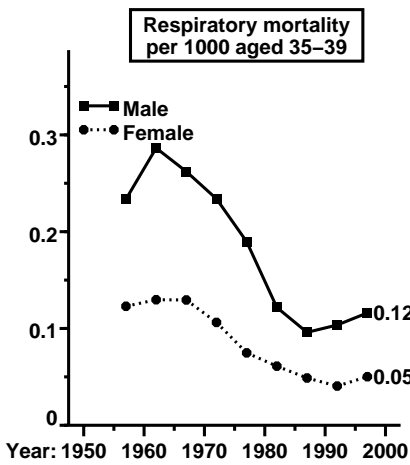
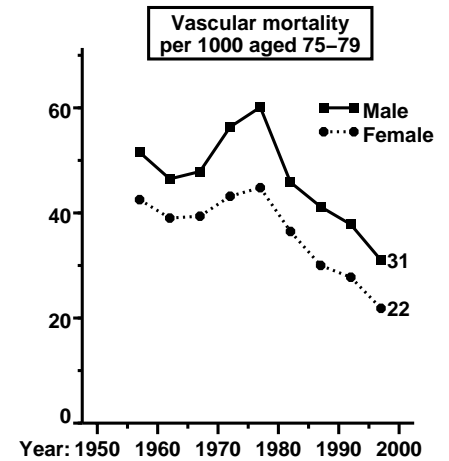
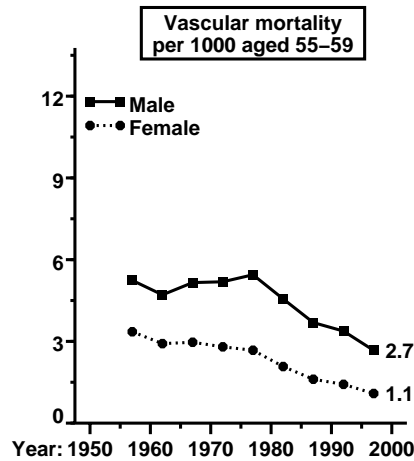
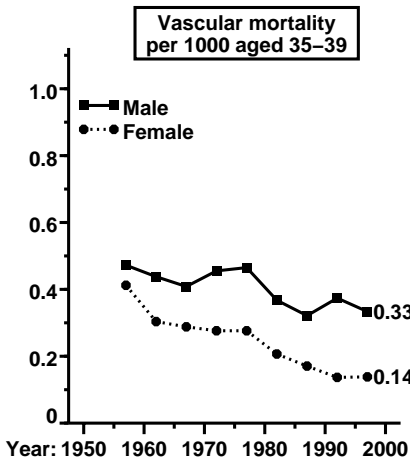
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1955–59,.....,1995–99; year 2000 on pages 386–387

1955-2000: PORTUGAL

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1955-59,.....,1995-99; year 2000 on pages 386-387

2000: ROMANIA

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
337.1	571.9	871.2	1238.5	1853.5	2633.6	3672.3	5406.3	8203.2	16544.9	M	ALL CAUSES	001-999/A00-Y89
144.6	230.3	361.5	496.9	807.5	1216.5	2003.1	3504.2	6265.5	15180.8	F		
21.6	31.4	38.6	36.3	39.9	29.9	29.1	25.8	15.3	15.4	M	Tuberculosis	010-018, 137/ A15-A19, B90
4.1	3.6	6.3	2.6	4.6	4.0	6.9	7.0	5.8	4.5	F		
1.4	1.3	0.6	0.5	0.8	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
1.7	0.2	0.4	0.4	0.4	0.1	0.2	0.2	-	-	F		
1.4	2.0	1.7	2.0	1.2	3.0	3.3	4.7	6.0	5.6	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.6	1.4	0.5	1.6	1.4	2.2	2.6	4.7	4.7	6.4	F		
39.8	94.3	182.2	309.5	495.2	680.5	853.6	1019.8	1108.0	1101.7	M	ALL CANCER	140-208/C00-C97
57.5	89.6	138.3	175.6	251.5	322.6	428.4	553.9	672.6	684.2	F		
2.3	10.6	22.1	33.7	37.3	36.2	30.7	30.4	29.8	22.4	M	Mouth and pharynx cancer	140-149/C00-C14
0.5	1.9	2.8	2.2	3.8	2.5	5.9	3.5	6.3	14.4	F		
0.6	2.4	2.8	10.9	11.7	11.6	12.2	13.3	14.5	13.3	M	Oesophagus cancer	150/C15
0.3	0.2	0.2	0.9	1.3	1.5	3.1	2.9	5.5	5.7	F		
4.0	7.7	16.1	23.4	47.1	69.1	107.3	130.6	151.8	110.8	M	Stomach cancer	151/C16
2.0	3.6	6.3	7.6	15.0	23.7	34.8	54.6	73.7	69.0	F		
2.9	6.0	8.4	16.4	30.2	50.3	74.2	116.3	129.3	140.3	M	Colorectal cancer	153, 154/C18-C21
3.0	3.9	7.3	11.6	17.3	31.9	44.0	67.9	96.7	109.6	F		
2.2	3.9	6.9	15.5	25.6	35.5	49.2	69.7	73.1	59.6	M	Liver cancer	155.0/C22 excl C221
0.9	2.4	2.5	4.4	14.1	12.1	22.3	34.4	41.1	30.7	F		
2.2	4.8	7.9	16.3	24.8	30.8	42.9	50.7	65.1	66.6	M	Pancreas cancer	157/C25
0.8	1.9	3.1	4.6	10.7	16.2	27.6	30.7	38.4	39.0	F		
0.9	4.7	9.3	17.4	22.6	25.0	26.4	23.2	26.8	16.8	M	Larynx cancer	161/C32
0.3	0.4	-	0.4	0.9	1.0	1.8	1.6	1.4	2.3	F		
7.4	27.4	63.5	109.2	181.3	256.7	279.5	265.3	206.6	132.5	M	Lung cancer	162/C33, C34
3.1	4.9	10.7	13.8	22.9	35.0	44.5	58.1	64.7	47.0	F		
0.8	1.3	2.0	2.0	3.8	4.2	4.5	6.2	5.5	13.3	M	Malignant melanoma	172/C43
1.3	1.1	1.1	3.1	1.3	3.1	1.8	4.5	6.0	8.7	F		
8.8	21.0	32.7	43.8	55.1	61.8	68.0	77.9	94.8	93.6	F	Female breast cancer	174/C50
19.4	23.8	32.0	26.0	29.0	26.9	29.6	35.8	43.6	32.6	F	Cervix cancer	180/C53
3.6	3.7	6.9	8.1	11.3	14.7	19.2	26.0	22.5	28.4	F	Other uterine cancer	179, 182/C54, C55
2.3	5.5	9.9	14.4	15.6	20.7	26.0	20.2	20.5	17.4	F	Ovarian cancer	183/C56, C570-C574
-	0.1	0.8	1.9	9.5	20.2	45.3	89.5	174.7	244.7	M	Prostate cancer	185/C61
0.6	1.3	2.4	8.2	15.7	23.7	38.6	53.1	68.0	87.7	M	Bladder cancer	188/C67
0.3	0.4	0.2	1.6	2.7	3.7	6.6	10.4	15.3	17.1	F		
10.5	18.5	31.0	42.2	68.1	89.7	108.4	129.3	118.2	162.0	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
6.3	10.6	17.2	26.3	39.5	49.0	68.2	97.5	111.2	150.5	F	Hodgkin's disease	201/C81
0.9	0.6	0.9	1.2	1.8	1.9	1.6	1.6	3.8	-	M		
0.9	0.9	0.9	0.1	0.9	1.9	0.5	0.8	1.9	0.8	F		
2.3	2.3	5.3	5.9	7.9	14.1	16.1	18.2	14.0	11.9	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.4	1.4	1.7	3.5	3.0	7.9	12.0	12.7	12.1	6.8	F		
2.2	2.9	2.8	5.3	7.7	11.4	16.7	22.4	26.8	19.6	M	Leukaemia	204-208/C91-C95
2.3	2.2	2.6	2.9	7.3	8.9	12.5	14.3	17.0	10.6	F		
1.5	2.9	5.6	7.3	11.1	20.2	30.7	42.7	43.8	47.0	M	Diabetes	250/E10-E14
2.0	1.6	2.6	6.3	11.3	21.7	34.2	45.2	55.6	45.1	F		
73.2	163.9	287.5	474.6	792.9	1304.0	2064.2	3442.0	5894.6	13476.2	M	ALL VASCULAR DISEASE	390-459/I00-I99
24.4	56.6	104.8	184.3	360.0	633.2	1219.8	2456.3	4884.7	13228.2	F		
1.2	2.1	3.6	4.0	8.7	6.9	10.8	9.6	11.5	14.7	M	Rheumatic heart disease and fever	390-398/I00-I09
1.4	1.5	2.8	5.4	6.8	9.7	9.9	10.8	15.6	17.8	F		
3.7	7.7	13.1	25.4	51.4	104.8	181.3	318.4	564.2	1124.8	M	Hypertensive disease	401-405/I10-I15
1.3	3.9	8.8	16.2	34.5	73.2	147.3	297.1	581.9	1357.5	F		
39.5	89.7	144.7	233.0	359.0	528.7	785.3	1220.6	1990.6	4317.0	M	Ischaemic heart disease	410-414/I20-I25
8.6	21.4	33.6	64.1	127.8	226.1	413.4	814.2	1576.7	4068.2	F		
1.4	1.6	3.6	3.4	6.9	9.8	14.4	17.2	21.3	34.4	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.8	1.7	2.1	2.4	4.1	7.9	10.3	15.1	17.3	31.5	F		
11.4	32.8	69.0	133.7	245.8	440.0	719.3	1220.6	2004.3	3721.6	M	Cerebrovascular disease	430-438/I60-I69
6.4	20.2	43.4	74.1	147.7	244.9	491.6	955.4	1793.2	3838.9	F		
15.9	29.9	53.6	74.9	120.9	213.8	353.1	655.6	1302.7	4263.7	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
5.9	8.0	14.1	22.1	39.1	71.3	147.2	363.7	900.0	3914.3	F		
2.8	5.9	11.8	20.5	41.5	75.1	124.0	202.9	332.5	679.5	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.3	1.9	3.0	5.3	8.4	18.8	34.7	69.5	143.0	414.7	F		
15.9	28.8	36.6	42.4	54.8	79.3	91.3	128.3	184.9	469.1	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
5.9	7.3	9.4	12.2	17.0	26.1	41.6	69.1	138.1	352.5	F		
3.2	2.4	5.2	7.3	7.5	10.6	13.0	16.6	20.4	30.2	M	Peptic ulcer	531-533/K25-K27
0.3	0.5	0.7	1.3	2.1	2.4	4.6	10.8	11.5	23.9	F		
24.4	57.7	91.6	111.1	147.9	166.7	187.0	189.9	177.7	136.7	M	Liver cirrhosis	571/K70, K74
11.3	21.4	34.1	41.6	65.1	83.5	95.1	117.0	119.2	106.9	F		
2.0	4.4	6.9	11.2	16.3	18.6	29.7	48.9	62.1	104.5	M	Renal disease	580-590/N00-N19
1.6	3.4	5.7	6.0	10.2	18.5	26.0	31.3	42.2	60.7	F		
1.7	1.2	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
0.6	0.5	0.5	0.8	0.4	-	0.8	-	0.4	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.5	0.2	0.6	0.3	0.2	0.3	0.3	0.2	0.3	0.4	F		
3.5	2.9	2.5	4.5	2.2	2.1	2.2	2.1	4.3	4.9	M	Ill-defined causes	780-799/R00-R99
0.9	1.0	1.0	0.9	0.7	1.5	2.1	1.0	2.2	6.1	F		
25.5	35.4	53.6	61.6	75.3	90.9	106.1	136.1	202.0	284.7	M	Other medical causes	Rest of 001-799/ rest of A00-R99
9.5	13.4	18.7	21.3	35.6	42.0	58.1	82.2	111.8	157.7	F		
120.2	138.1	146.1	149.0	166.4	152.6	137.2	146.7	151.4	189.3	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
22.2	26.8	35.6	36.9	39.0	39.6	48.6	55.8	74.0	89.5	F		
18.1	19.4	18.8	20.3	20.5	19.2	20.3	21.3	22.5	23.1	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
4.4	5.0	5.8	4.0	6.4	6.4	7.4	10.6	10.1	12.1	F		
2.9	3.1	3.8	2.8	3.8	4.4	4.1	4.7	13.2	16.8	M	Fire	E890-E899/X00-X09
0.6	0.9	0.5	1.2	2.0	1.5	3.4	3.7	3.8	13.3	F		
26.2	35.8	38.2	34.4	44.5	30.1	31.9	27.6	26.8	35.8	M	Suicide	E950-E959/X60-X84
3.3	4.7	8.0	8.1	6.3	7.4	6.4	9.2	8.8	12.5	F		
8.2	7.3	7.5	7.0	7.7	6.5	6.5	4.7	8.9	10.5	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.4	2.7	3.5	2.6	1.6	2.1	2.8	2.2	6.0	5.3	F		
648	796	787	645	504	569	492	384	235	143	M	POPULATION	
640	803	809	680	559	672	609	511	365	264	F	(1000s; UN, 2002 revision)	

ROMANIA: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	10448	668	37	23	608	20	1564	616	200	3274	4106
35-69	Sm.	24470	7656	4942	1242	1472	1546	1135	11239	-	2894	-
	Total	75521 (32%)	15032 (51%)	5279 (94%)	1785 (70%)	7968 (18%)	1980 (78%)	2860 (40%)	34351 (33%)	5679	7309 (40%)	8310
70+	Sm.	5685	1420	996	151	273	1384	85	2631	-	165	-
	Total	62608 (9%)	6176 (23%)	1219 (82%)	387 (39%)	4570 (6%)	2701 (51%)	1471 (6%)	47163 (6%)	1331	2570 (6%)	1196
Any age	Sm.	30155	9076	5938	1393	1745	2930	1220	13870	-	3059	-
	Total	148577 (20%)	21876 (41%)	6535 (91%)	2195 (63%)	13146 (13%)	4701 (62%)	5895 (21%)	82130 (17%)	7210	13153 (23%)	13612
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	8709	636	46	21	569	27	1153	537	134	2818	3404
35-69	Sm.	20987	7684	4887	1368	1429	1215	750	9220	-	2118	-
	Total	63947 (33%)	15000 (51%)	5218 (94%)	1949 (70%)	7833 (18%)	1536 (79%)	2069 (36%)	28663 (32%)	4667	5643 (38%)	6369
70+	Sm.	6495	1995	1404	206	385	1350	102	2862	-	186	-
	Total	63669 (10%)	8097 (25%)	1695 (83%)	499 (41%)	5903 (7%)	2531 (53%)	1597 (6%)	46312 (6%)	1343	2599 (7%)	1190
Any age	Sm.	27482	9679	6291	1574	1814	2565	852	12082	-	2304	-
	Total	136325 (20%)	23733 (41%)	6959 (90%)	2469 (64%)	14305 (13%)	4094 (63%)	4819 (18%)	75512 (16%)	6144	11060 (21%)	10963

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)													
1995	11124	5907	4568	817	818	683	548	638	578	487	336	135	178
2000	10994	5793	4439	648	796	787	645	504	569	492	384	235	143
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	148577	10448	75521	3940	5991	7185	8484	13642	16713	19566	20020	11885	30703
2000	136325	8709	63947	2184	4550	6856	7982	9334	14977	18064	20782	19294	23593
Lung cancer													
1995	6535	37	5279	111	260	434	686	1313	1347	1128	777	268	174
2000	6959	46	5218	48	218	500	704	913	1460	1375	1020	486	189
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	1503.1*	198.3*	1838.0*	482.4	732.3	1052.6	1549.0	2136.9	2891.0	4021.8	5963.7	8816.8	17210.2
2000	1343.3*	163.4*	1596.8*	337.1	571.9	871.2	1238.5	1853.5	2633.6	3672.3	5406.3	8203.2	16544.9
All cancer													
1995	213.2*	11.8*	370.9*	50.0	98.3	185.5	328.6	502.2	634.7	797.3	936.8	1040.1	913.1
2000	221.7*	10.6*	379.3*	39.8	94.3	182.2	309.5	495.2	680.5	853.6	1019.8	1108.0	1101.7
Lung cancer													
1995	62.9*	0.7*	129.2*	13.6	31.8	63.6	125.3	205.7	233.0	231.9	231.5	198.8	97.5
2000	64.5*	0.7*	132.2*	7.4	27.4	63.5	109.2	181.3	256.7	279.5	265.3	206.6	132.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	21.4*	0.4*	43.4*	5.4	13.3	32.4	48.9	58.9	68.5	76.3	62.3	61.6	53.3
2000	23.6*	0.3*	47.3*	3.9	17.6	34.2	61.9	71.7	72.8	69.3	66.9	71.0	52.6
Other cancer													
1995	128.9*	10.7*	198.3*	31.0	53.2	89.5	154.5	237.6	333.2	489.2	643.1	779.7	762.3
2000	133.6*	9.5*	199.8*	28.6	49.3	84.5	138.4	242.3	351.0	504.8	687.6	830.4	916.5
Chronic obstructive pulmonary disease (COPD)													
1995	48.3*	0.4*	50.7*	3.6	6.8	14.2	27.6	53.1	102.2	147.4	238.6	373.9	782.5
2000	40.6*	0.5*	40.2*	2.8	5.9	11.8	20.5	41.5	75.1	124.0	202.9	332.5	679.5
Other respiratory disease													
1995	61.3*	33.0*	65.8*	32.8	50.4	54.4	64.8	80.5	83.0	94.6	136.1	200.3	417.0
2000	50.5*	25.7*	49.9*	15.9	28.8	36.6	42.4	54.8	79.3	91.3	128.3	184.9	469.1
Vascular disease													
1995	849.8*	11.5*	864.0*	105.8	208.7	366.1	591.2	954.7	1479.8	2341.8	3934.5	6435.5	14170.4
2000	760.1*	8.4*	737.2*	73.2	163.9	287.5	474.6	792.9	1304.0	2064.2	3442.0	5894.6	13476.2
Liver cirrhosis													
1995	69.8*	3.8*	134.7*	41.5	75.3	94.3	145.7	159.3	205.0	222.0	229.7	211.4	154.1
2000	57.6*	2.1*	112.3*	24.4	57.7	91.6	111.1	147.9	166.7	187.0	189.9	177.7	136.7
Other medical causes													
1995	133.0*	66.8*	168.3*	96.1	121.5	138.9	174.7	189.1	208.6	249.1	312.2	371.7	572.3
2000	111.7*	60.1*	133.7*	60.8	83.2	115.2	131.4	154.7	175.3	214.9	276.8	354.2	492.3
All non-medical causes													
1995	127.7*	71.0*	183.6*	152.7	171.4	199.2	216.4	198.0	177.7	169.6	175.8	184.0	200.7
2000	101.0*	56.0*	144.2*	120.2	138.1	146.1	149.0	166.4	152.6	137.2	146.7	151.4	189.3

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: ROMANIA

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5545	579	26	11	542	13	1171	255	96	2172	1259
35-69	Sm.	2338	551	434	38	79	215	63	1265	-	244	-
	Total	38113 (6%)	9344 (6%)	838 (52%)	182 (21%)	8324 (1%)	601 (36%)	881 (7%)	19000 (7%)	2853	3286 (7%)	2148
70+	Sm.	1162	161	130	12	19	334	16	620	-	31	-
	Total	79437 (1%)	5421 (3%)	426 (31%)	126 (10%)	4869 (0%)	2338 (14%)	1585 (1%)	65569 (1%)	1264	2440 (1%)	820
Any age	Sm.	3500	712	564	50	98	549	79	1885	-	275	-
	Total	123095 (3%)	15344 (5%)	1290 (44%)	319 (16%)	13735 (1%)	2952 (19%)	3637 (2%)	84824 (2%)	4213	7898 (3%)	4227
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	4714	563	17	10	536	14	897	216	63	1979	982
35-69	Sm.	2238	599	466	49	84	180	59	1192	-	208	-
	Total	33962 (7%)	9583 (6%)	874 (53%)	209 (23%)	8500 (1%)	461 (39%)	779 (8%)	16405 (7%)	2307	2751 (8%)	1676
70+	Sm.	2614	402	323	28	51	666	40	1435	-	71	-
	Total	80819 (3%)	7090 (6%)	657 (49%)	148 (19%)	6285 (1%)	1971 (34%)	1787 (2%)	65274 (2%)	1315	2591 (3%)	791
Any age	Sm.	4852	1001	789	77	135	846	99	2627	-	279	-
	Total	119495 (4%)	17236 (6%)	1548 (51%)	367 (21%)	15321 (1%)	2446 (35%)	3463 (3%)	81895 (3%)	3685	7321 (4%)	3449

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
	1995	11557	5688	4874	813	823	697	580	708	662	591	472	223	301
	2000	11486	5574	4772	640	803	809	680	559	672	609	511	365	264
NUMBER OF DEATHS (Source: WHO)														
All causes														
	1995	123095	5545	38113	1352	2197	2811	3522	6262	9038	12931	18247	14825	46365
	2000	119495	4714	33962	925	1850	2926	3378	4517	8171	12195	17903	22869	40047
Lung cancer														
	1995	1290	26	838	24	40	54	109	160	233	218	222	96	108
	2000	1548	17	874	20	39	87	94	128	235	271	297	236	124
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
	1995	927.4*	113.4*	840.4*	166.4	266.9	403.3	607.2	884.1	1364.8	2189.8	3870.0	6659.9	15408.8
	2000	862.5*	99.2*	751.5*	144.6	230.3	361.5	496.9	807.5	1216.5	2003.1	3504.2	6265.5	15180.8
All cancer														
	1995	122.2*	10.7*	202.8*	53.8	87.1	130.3	184.0	243.7	322.3	398.8	524.9	585.4	546.0
	2000	129.2*	9.6*	209.1*	57.5	89.6	138.3	175.6	251.5	322.6	428.4	553.9	672.6	684.2
Lung cancer														
	1995	10.2*	0.5*	18.4*	3.0	4.9	7.7	18.8	22.6	35.2	36.9	47.1	43.1	35.9
	2000	11.3*	0.3*	19.3*	3.1	4.9	10.7	13.8	22.9	35.0	44.5	58.1	64.7	47.0
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
	1995	2.5*	0.2*	4.0*	1.1	1.2	1.9	3.6	4.7	6.8	8.6	11.0	11.7	16.0
	2000	2.8*	0.2*	4.6*	1.1	2.5	3.1	3.5	5.9	5.1	10.8	8.0	13.2	22.4
Other cancer														
	1995	109.5*	10.0*	180.4*	49.7	81.0	120.7	161.6	216.4	280.3	353.3	466.8	530.5	494.2
	2000	115.1*	9.2*	185.2*	53.3	82.3	124.4	158.3	222.7	282.6	373.0	487.8	594.8	614.9
Chronic obstructive pulmonary disease (COPD)														
	1995	21.1*	0.3*	13.5*	0.7	2.4	2.2	5.7	11.2	27.0	45.6	92.7	179.2	499.2
	2000	16.9*	0.2*	10.3*	0.3	1.9	3.0	5.3	8.4	18.8	34.7	69.5	143.0	414.7
Other respiratory disease														
	1995	32.8*	26.2*	19.1*	7.8	10.7	10.3	18.3	18.6	26.3	41.7	75.1	121.7	319.0
	2000	30.1*	21.4*	17.1*	5.9	7.3	9.4	12.2	17.0	26.1	41.6	69.1	138.1	352.5
Vascular disease														
	1995	610.9*	4.8*	427.3*	29.7	67.9	128.3	233.8	401.1	740.0	1390.2	2805.1	5301.9	13473.2
	2000	565.7*	3.6*	369.0*	24.4	56.6	104.8	184.3	360.0	633.2	1219.8	2456.3	4884.7	13228.2
Liver cirrhosis														
	1995	33.9*	1.8*	61.8*	16.7	25.1	40.2	58.1	84.4	95.4	112.3	133.2	126.2	118.0
	2000	28.0*	1.0*	50.3*	11.3	21.4	34.1	41.6	65.1	83.5	95.1	117.0	119.2	106.9
Other medical causes														
	1995	69.9*	46.1*	70.8*	28.2	36.1	47.5	62.9	80.1	102.1	139.0	174.1	257.4	347.6
	2000	63.4*	44.7*	60.2*	23.0	26.6	36.4	40.9	66.5	92.7	135.0	182.6	234.0	304.8
All non-medical causes														
	1995	36.6*	23.6*	45.0*	29.5	37.5	44.6	44.5	45.0	51.8	62.3	64.9	88.1	105.7
	2000	29.3*	18.7*	35.5*	22.2	26.8	35.6	36.9	39.0	39.6	48.6	55.8	74.0	89.5

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

ROMANIA: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 8.7	– / 4.7	–
35–69	21 / 64	2.2 / 34	21 years
70+	6.5 / 64	2.6 / 81	9 years
All ages	27 / 136	4.9 / 119	17 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

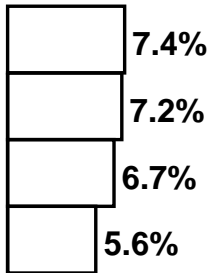
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	4.9/5.2	1.4/1.7	6.3/7.0	–/0.0	0.5/0.9	0.3/0.7	0.8/1.5
All Cancer	–/0.6	7.7/15 (51%)	2.0/8.1 (25%)	9.7/24	–/0.6	0.6/9.6 (6%)	0.4/7.1 (6%)	1.0/17
Vascular	–/0.5	9.2/29	2.9/46	12/76	–/0.2	1.2/16	1.4/65	2.6/82
Respiratory	–/1.2	2.0/3.6	1.5/4.1	3.4/8.9	–/0.9	0.2/1.2	0.7/3.8	0.9/5.9
All Other	–/6.4	2.1/17	0.2/5.1	2.3/28	–/3.0	0.2/6.7	0.1/4.7	0.3/14
All Causes	–/8.7	21/64 (33%)	6.5/64 (10%)	27/136	–/4.7	2.2/34 (7%)	2.6/81 (3%)	4.9/119

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	9.7 / 24 (41%)	1.0 / 17 (6%)	11 / 41 (26%)
All Causes	27 / 136 (20%)	4.9 / 119 (4%)	32 / 256 (13%)

1985-2000: ROMANIA

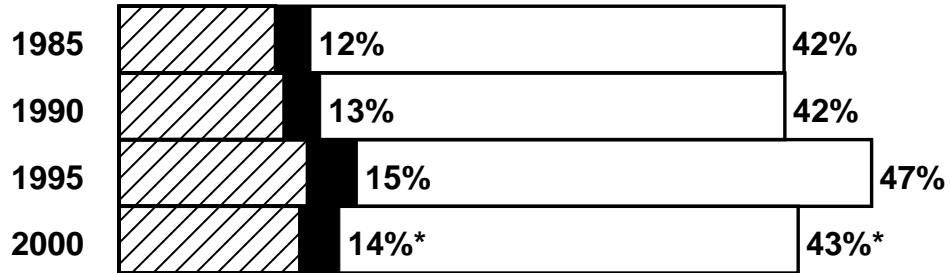
Population risk of dying at ages 0–34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

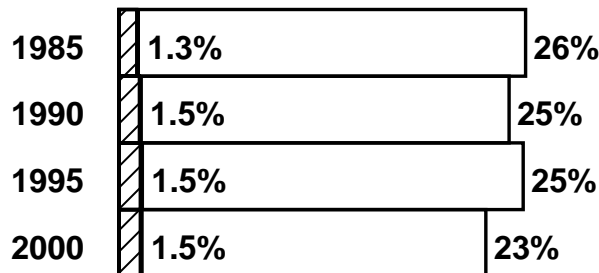
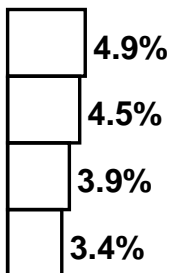
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 43 would die before age 70 (with 14 of these deaths attributed to smoking)

FEMALE



ROMANIA: 1980-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/14	17/53 (31%)	5.4/63 (9%)	22/130	-/8.5	1.6/32 (5%)	0.5/76 (0.7%)	2.2/116
1990	-/13	20/62 (32%)	4.2/56 (8%)	24/132	-/8.1	2.2/36 (6%)	0.8/72 (1%)	2.9/115
1995	-/10	24/76 (32%)	5.7/63 (9%)	30/149	-/5.5	2.3/38 (6%)	1.2/79 (1%)	3.5/123
2000	-/8.7	21/64 (33%)	6.5/64 (10%)	27/136	-/4.7	2.2/34 (7%)	2.6/81 (3%)	4.9/119

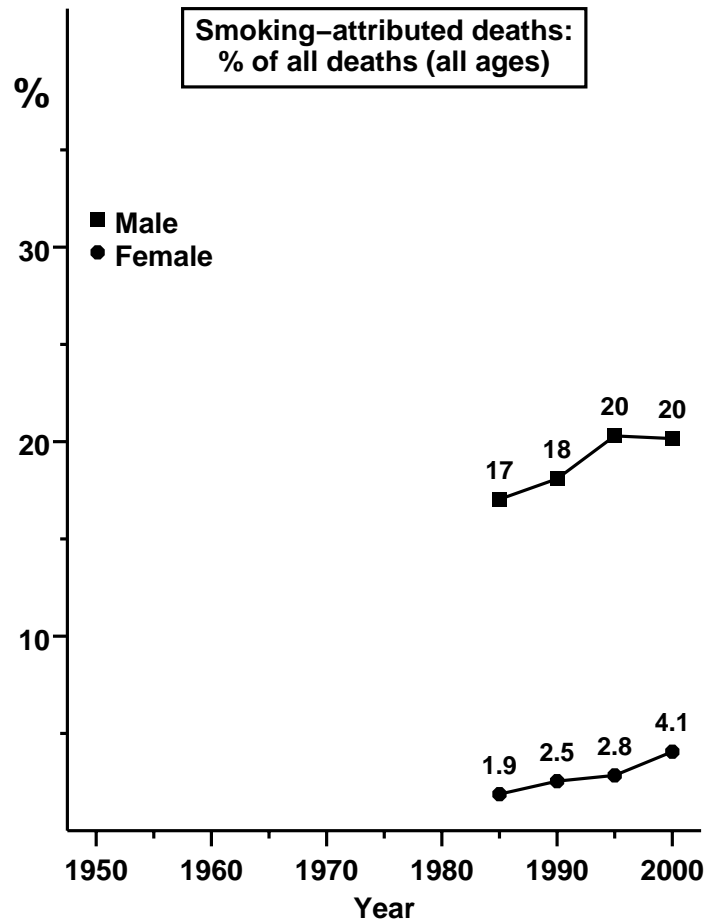
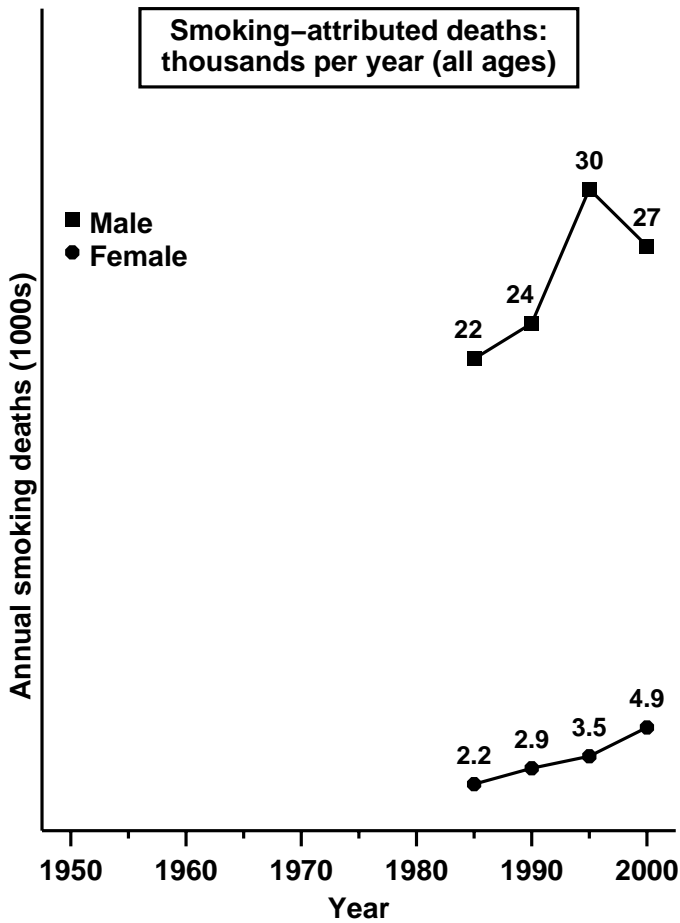
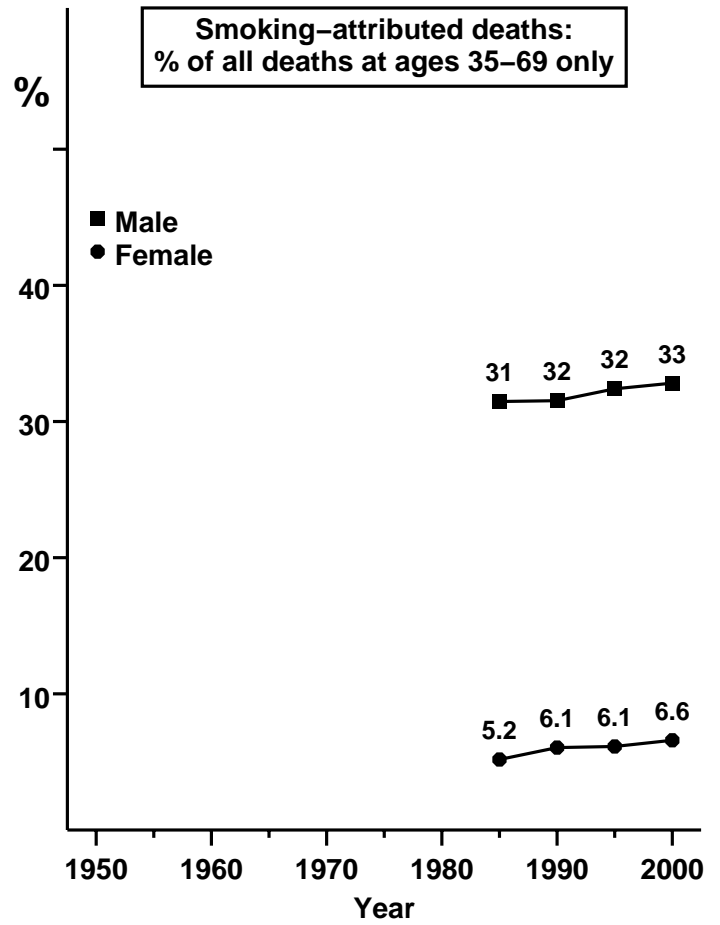
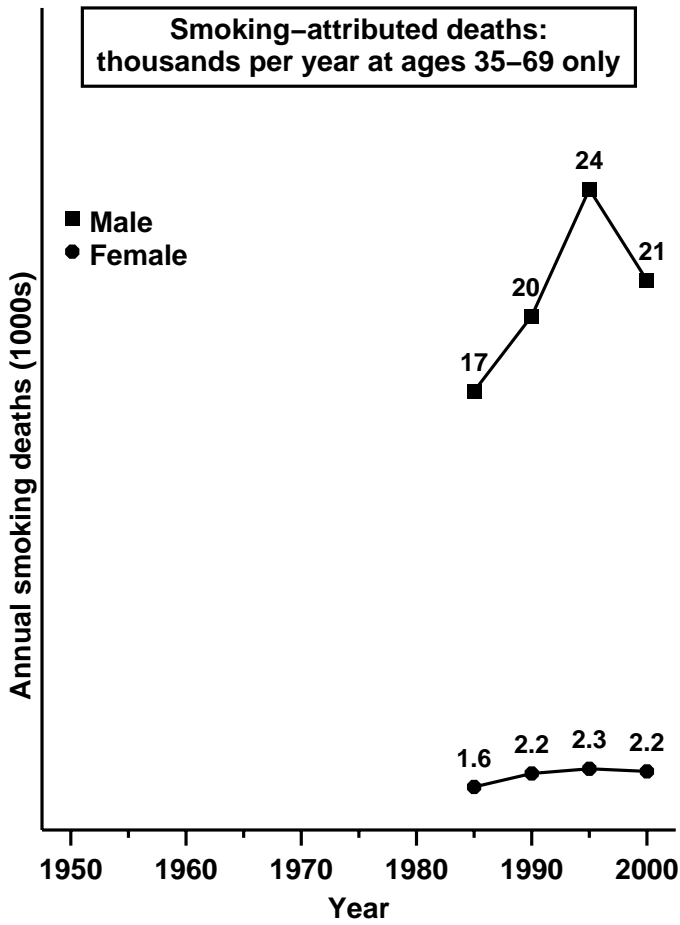
20-year total* (thousands), mid-1980 to mid-2000: 580 / 5183

1980-2000 by age & sex:

-/240	412/1288 (32%)	111/1260 (9%)	523/2788	-/141	40/699 (6%)	17/1556 (1%)	57/2396
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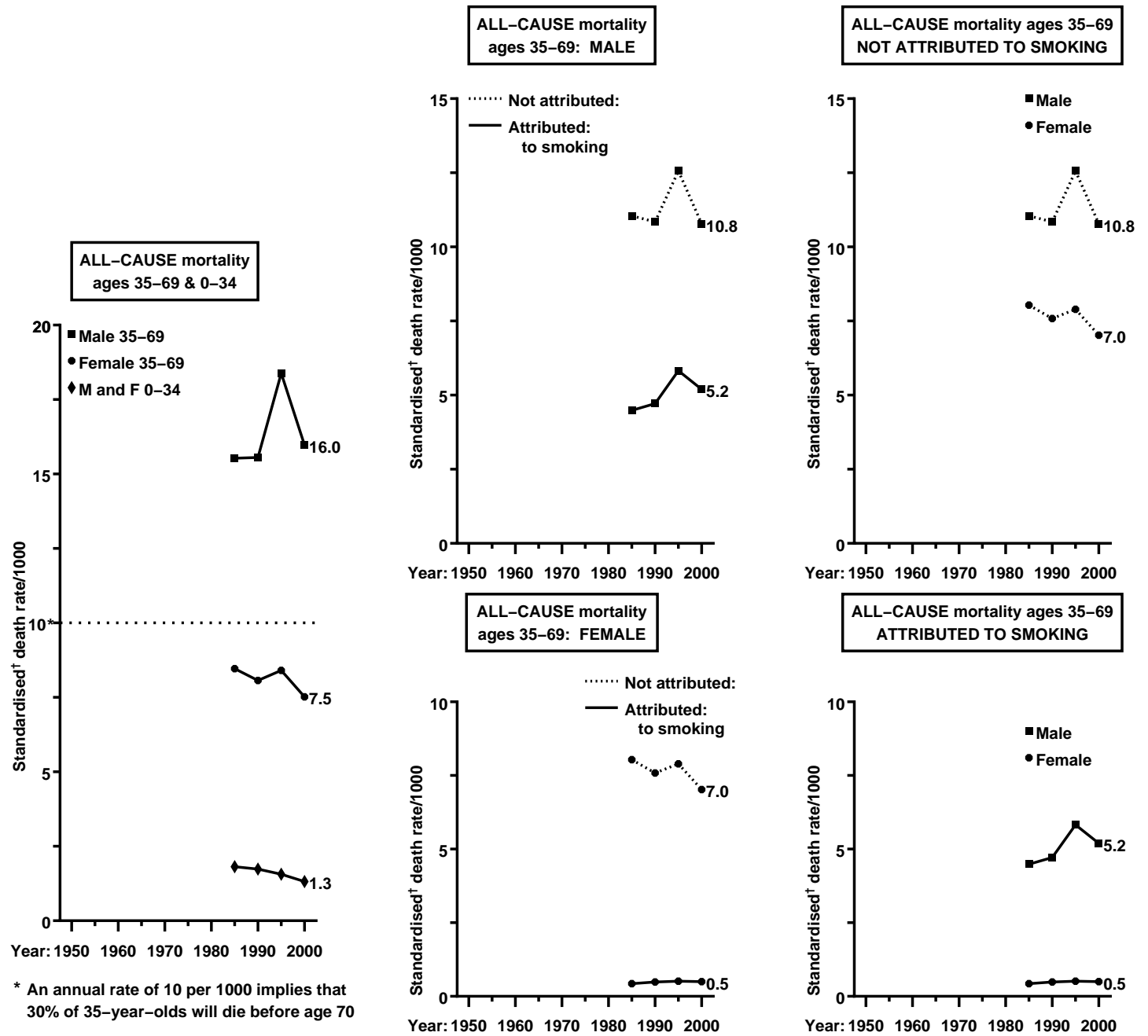
*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1985-2000: ROMANIA



ROMANIA: 1985-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

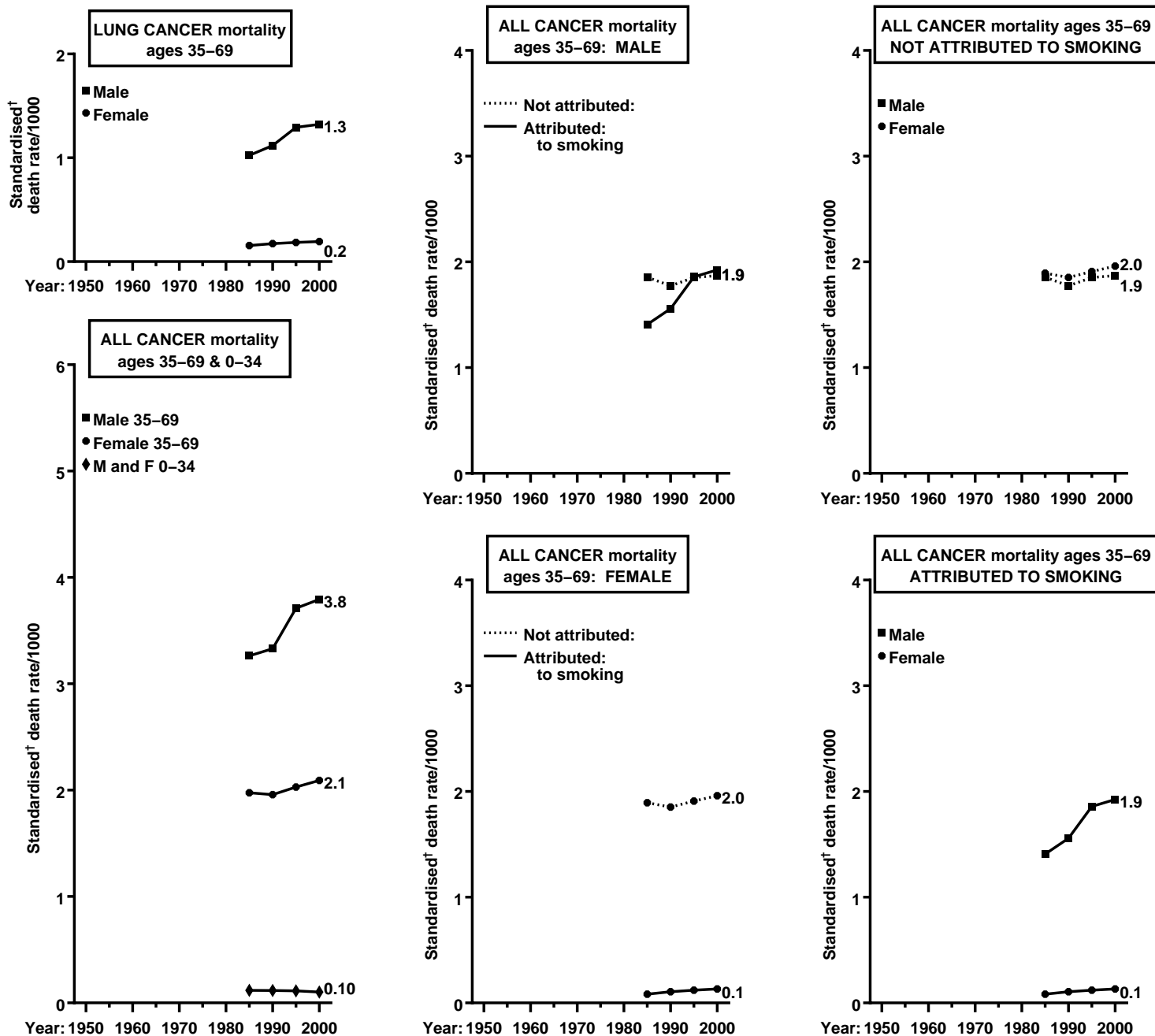
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965
1970
1975
1980
1985	-	2.19	4.48	11.0	7.32	70.2	-	1.43	0.43	8.03	0.64	58.4	-	1.33	0.48	7.58
1990	-	2.13	4.71	10.8	6.45	64.0	-	1.13	0.51	7.89	0.99	51.7	-	0.99	0.50	7.02
1995	-	1.98	5.82	12.6	7.58	66.3	-	0.99	0.50	7.02	1.80	47.0	-	0.99	0.50	7.02
2000	-	1.63	5.19	10.8	7.72	60.3	-	0.99	0.50	7.02	1.80	47.0	-	0.99	0.50	7.02

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: ROMANIA

Trends in ALL CANCER mortality attributed and not attributed to smoking



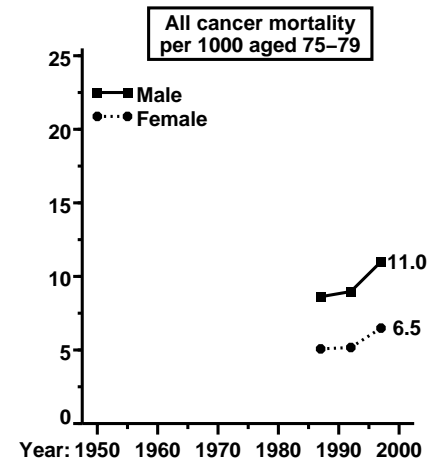
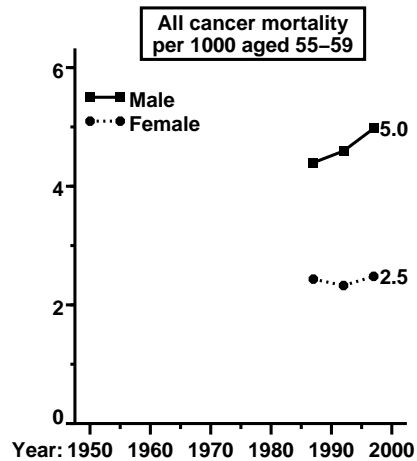
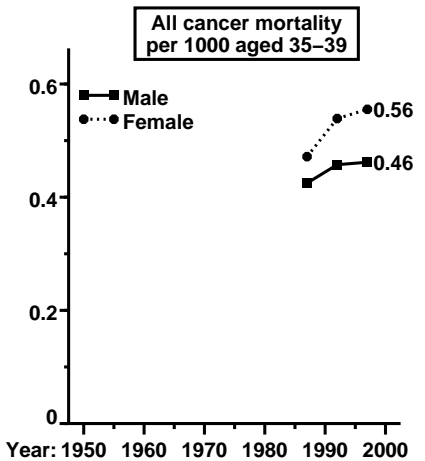
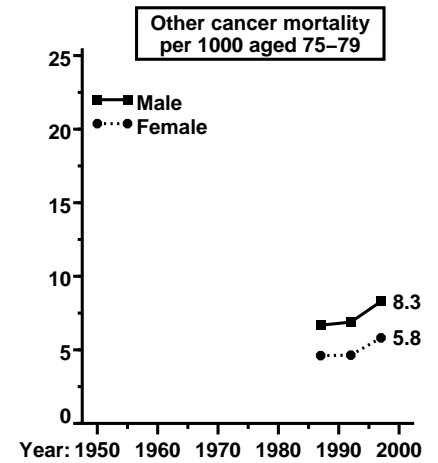
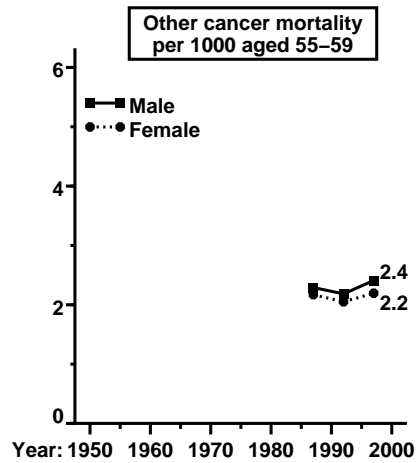
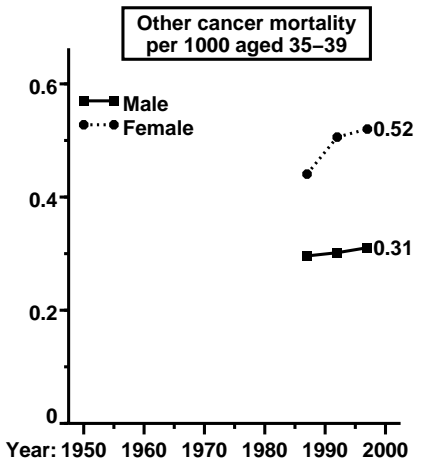
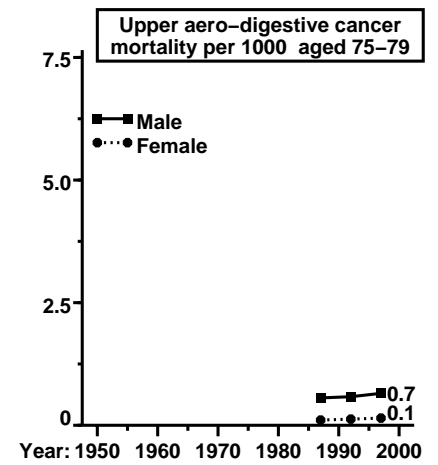
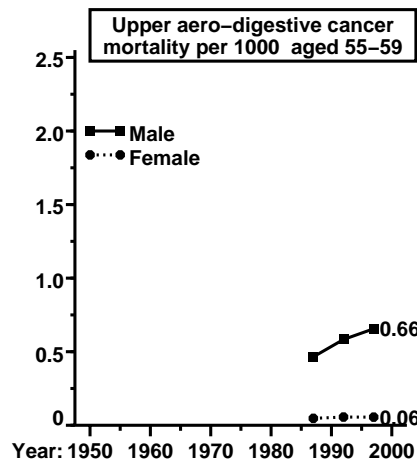
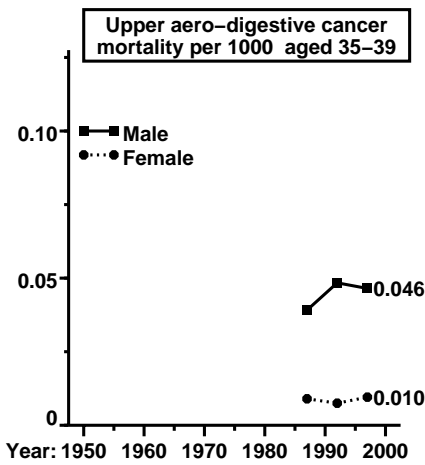
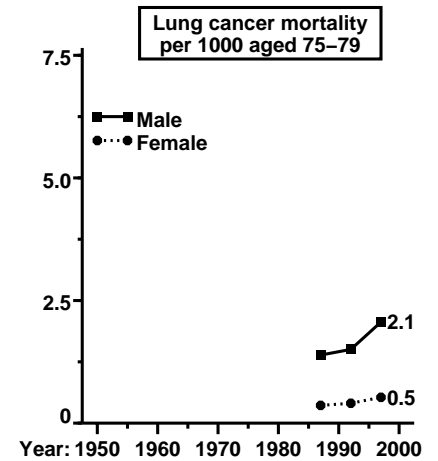
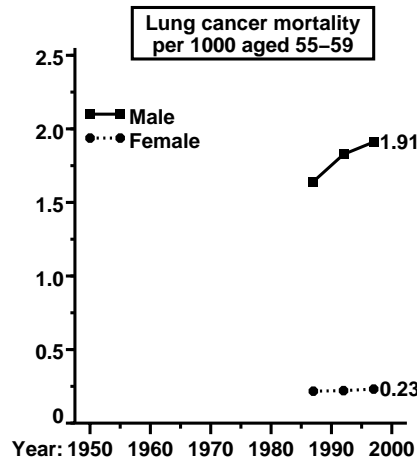
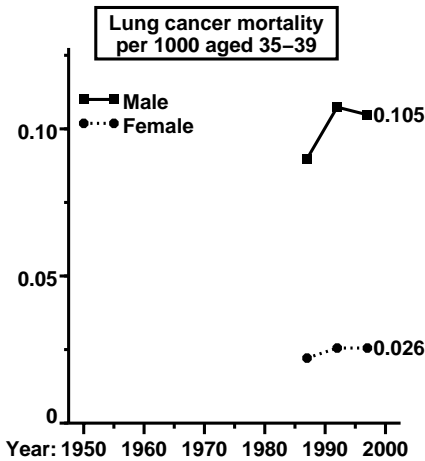
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)							FEMALE cancer mortality (annual rate/1000, by age)								
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965
1970
1975
1980
1985	-	0.13	1.41	1.85	1.58	7.00	-	0.11	0.08	1.89	0.07	4.95	-	0.11	0.11	1.85
1990	-	0.12	1.56	1.77	1.65	6.76	-	0.11	0.11	1.85	0.11	4.90	-	0.11	0.17	5.38
1995	-	0.12	1.86	1.85	2.40	7.48	-	0.11	0.12	1.91	0.17	5.38	-	0.11	0.37	5.76
2000	-	0.11	1.92	1.87	2.72	7.92	-	0.10	0.13	1.96	0.37	5.76	-	0.10	0.37	5.76

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

ROMANIA: 1985-2000

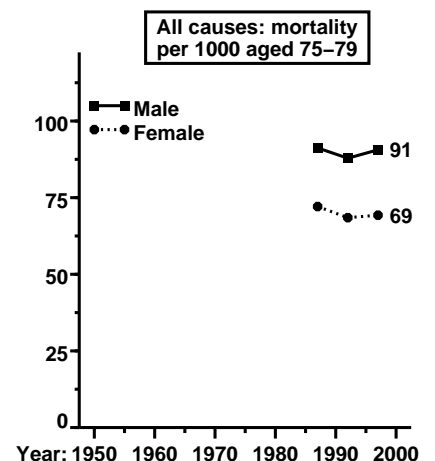
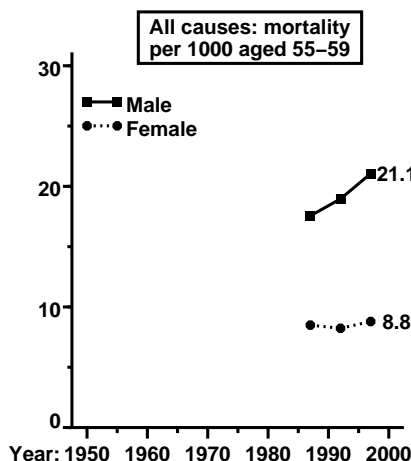
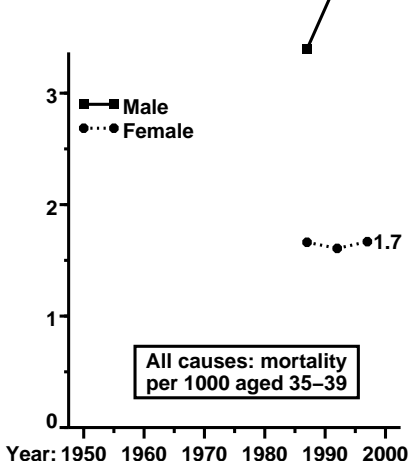
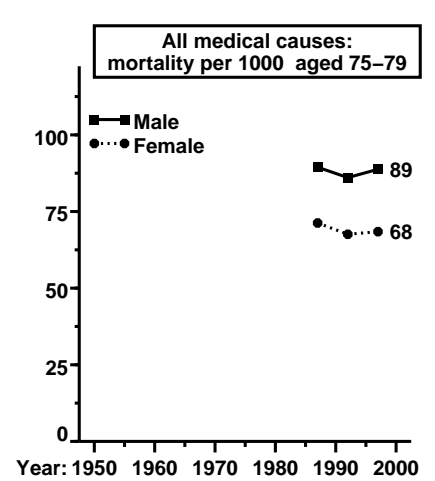
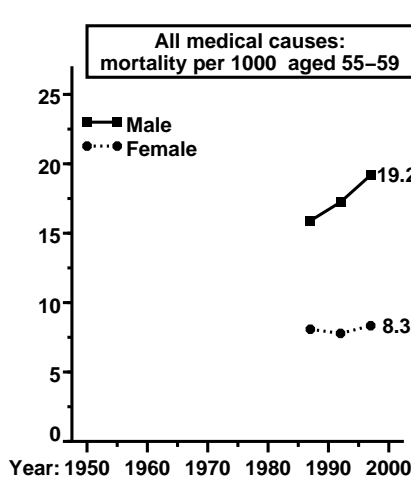
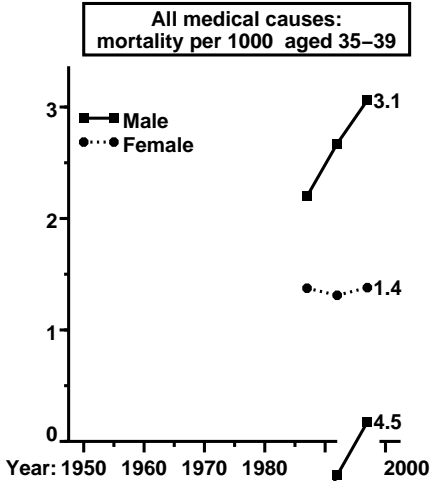
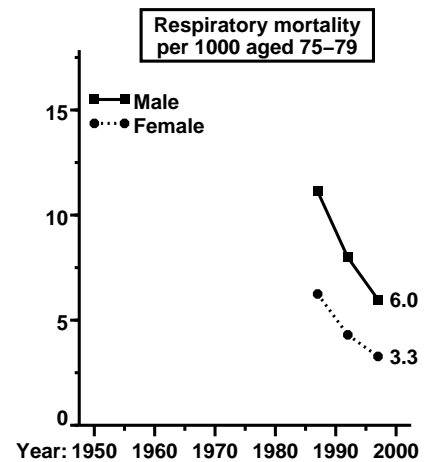
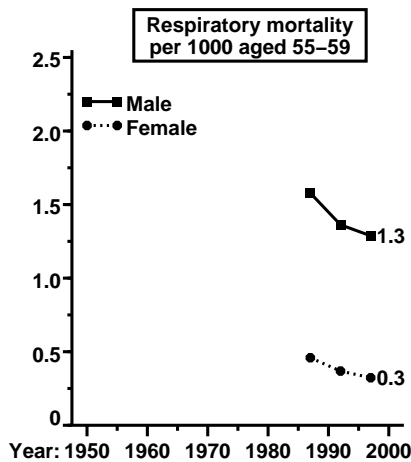
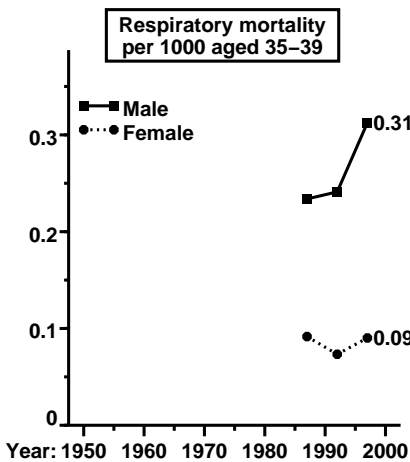
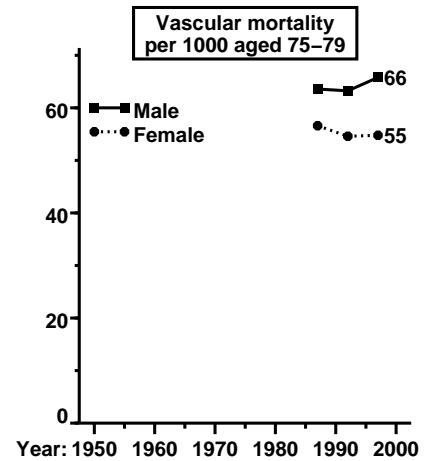
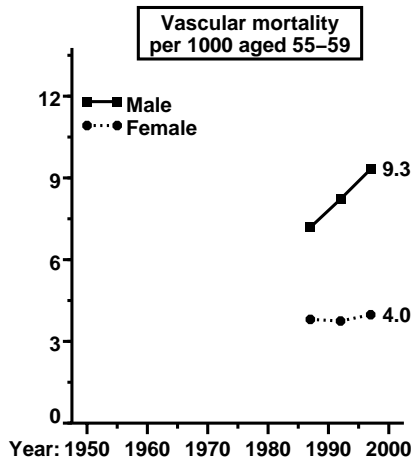
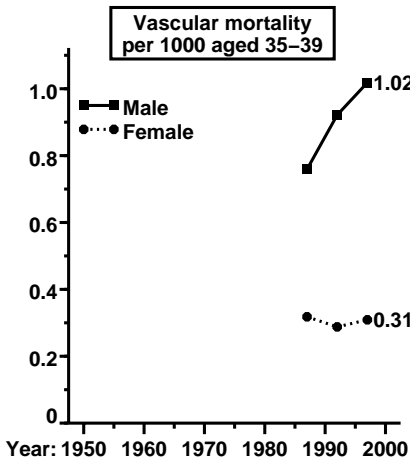
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; year 2000 on pages 398-399

1985-2000: ROMANIA

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; year 2000 on pages 398-399

RUSSIAN FEDERATION: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)							
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34	
ALL CAUSES	M	1179775	124173	699439	2102.4	362.5	2849.1	427.0	58.0	57.6	214.9	493.6	595.7	690.5	
	F	1045557	39282	311351	1013.2	128.3	1015.8	326.5	34.9	30.6	81.1	113.8	135.9	175.1	
Tuberculosis	M	26070	4112	20763	38.4	11.6	68.3	0.9	0.0	0.1	1.5	12.7	27.1	39.1	
	F	3730	812	2473	4.6	2.4	6.9	0.5	0.1	0.0	0.8	3.1	5.2	6.8	
HIV	M	174	119	53	0.2	0.3	0.1	0.1	-	0.0	0.1	0.5	0.7	0.8	
	F	34	19	15	0.0	0.1	0.0	0.0	-	-	0.0	0.2	0.1	0.1	
Other infective and parasitic	M	3642	1799	1605	6.2	6.3	5.6	26.4	1.5	0.8	2.2	4.5	4.7	4.0	
	F	2564	1084	1047	3.9	4.1	3.2	19.5	1.1	0.8	1.6	1.8	2.0	1.9	
ALL CANCER	M	162853	3282	107779	287.9	9.4	488.0	7.0	5.3	4.7	8.0	9.7	12.6	18.3	
	F	132472	3123	68517	137.3	9.3	222.1	6.8	4.1	3.9	5.9	7.7	12.7	23.9	
Mouth and pharynx cancer	M	7403	52	5912	12.7	0.1	25.5	0.1	0.0	0.1	0.1	0.1	0.2	0.4	
	F	1577	34	736	1.6	0.1	2.4	0.1	-	0.1	0.1	0.1	0.1	0.3	
Oesophagus cancer	M	5514	9	3926	9.8	0.0	18.1	-	0.0	-	-	0.0	0.0	0.1	
	F	1720	4	586	1.6	0.0	2.0	-	-	-	-	0.0	-	0.1	
Stomach cancer	M	25035	190	16440	44.4	0.5	74.5	0.1	0.0	0.0	0.2	0.3	1.1	2.0	
	F	18712	204	8473	18.5	0.6	28.0	-	-	0.0	0.0	0.5	1.1	2.6	
Colorectal cancer	M	15375	125	8569	28.6	0.4	40.4	-	-	0.0	0.1	0.3	0.5	1.5	
	F	19466	108	8619	19.2	0.3	28.8	-	0.0	0.0	0.1	0.3	0.5	1.3	
Liver cancer	M	4745	65	3156	8.4	0.2	14.4	0.2	0.0	0.1	0.1	0.2	0.2	0.4	
	F	3605	45	1722	3.6	0.1	5.7	0.3	0.1	0.1	0.1	0.1	0.1	0.3	
Pancreas cancer	M	6752	65	4754	11.9	0.2	20.9	-	-	-	-	0.1	0.3	0.9	
	F	6266	35	2771	6.2	0.1	9.3	-	-	0.0	-	0.1	0.2	0.4	
Larynx cancer	M	5770	12	4400	9.9	0.0	19.4	0.0	-	-	0.0	-	0.0	0.2	
	F	283	5	149	0.3	0.0	0.5	0.0	0.0	-	-	0.0	0.0	-	
Lung cancer	M	50087	147	35007	87.2	0.4	161.5	-	0.1	0.0	0.3	0.4	0.5	1.6	
	F	8785	81	4011	8.7	0.2	13.3	0.1	-	0.0	0.1	0.3	0.4	0.9	
Malignant melanoma	M	1125	56	805	1.9	0.2	3.2	-	-	-	0.0	0.1	0.4	0.5	
	F	1416	85	823	1.5	0.2	2.5	-	-	0.0	0.2	0.2	0.4	0.9	
Female breast cancer	F	21707	228	14200	24.0	0.7	44.7	-	0.1	-	0.0	0.1	0.9	3.6	
Cervix cancer	F	6288	281	3825	6.9	0.8	11.6	-	0.0	-	-	0.4	2.1	3.2	
Other uterine cancer	F	6089	69	3306	6.3	0.2	11.0	-	-	-	0.1	0.1	0.4	0.9	
Ovarian cancer	F	7321	145	4716	8.0	0.4	15.1	-	0.0	0.2	0.3	0.3	0.7	1.3	
Prostate cancer	M	6680	6	2959	13.2	0.0	14.9	-	-	-	0.0	0.0	0.0	0.0	
Bladder cancer	M	5691	9	2996	10.9	0.0	14.5	0.0	0.0	0.0	-	-	0.0	0.1	
	F	1376	4	421	1.3	0.0	1.4	0.1	-	-	-	-	0.0	0.0	
Other and ill-defined cancer sites	M	22320	1697	15045	38.2	4.8	64.0	3.7	2.9	2.7	4.2	5.4	7.0	8.1	
	F	21693	1192	10833	22.8	3.6	35.1	4.0	2.6	2.0	3.1	3.4	4.1	5.9	
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and non-Hodgkin lymphomas	M	2279	219	1516	3.8	0.6	6.6	0.5	0.5	0.5	0.7	0.7	0.9	0.6	
	F	2222	137	1279	2.4	0.4	4.2	0.3	0.1	0.2	0.3	0.4	0.6	0.8	
Leukaemia	M	4077	630	2294	7.0	1.8	10.1	2.4	1.6	1.3	2.3	1.9	1.3	2.0	
	F	3946	466	2047	4.3	1.4	6.5	1.9	1.2	1.3	1.5	1.3	1.2	1.5	
Diabetes	M	3471	378	2280	5.7	1.1	9.5	0.0	0.2	0.1	0.4	1.4	2.6	2.7	
	F	8014	441	4075	8.2	1.2	13.7	0.0	0.1	0.3	0.9	2.3	2.3	2.7	
ALL VASCULAR DISEASE	M	545162	9270	298979	1050.5	26.2	1319.0	3.6	1.0	1.9	7.9	27.8	49.8	91.7	
	F	686211	2646	153562	621.1	7.8	521.3	3.5	1.3	1.0	3.8	7.2	13.2	24.8	
Rheumatic heart disease and fever	M	3378	215	2810	5.3	0.6	10.9	0.2	0.0	0.1	0.2	0.6	1.3	1.8	
	F	5032	94	3566	5.6	0.3	11.6	0.0	0.1	0.0	0.1	0.2	0.4	1.1	
Hypertensive disease	M	10798	146	7334	19.1	0.4	32.4	0.1	-	0.0	0.0	0.3	0.7	1.7	
	F	15695	51	6289	15.2	0.1	21.3	0.1	0.0	0.0	0.1	0.1	0.3	0.4	
Ischaemic heart disease	M	284284	3202	164289	541.2	9.1	723.3	-	0.0	-	1.4	7.8	16.1	38.6	
	F	293973	556	64834	264.8	1.6	222.1	-	-	-	0.4	1.3	2.8	7.0	
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	172083	1200	80047	347.6	3.4	376.0	0.4	0.2	0.4	1.6	3.5	5.9	11.7	
	F	291555	552	60287	261.2	1.6	206.8	0.3	0.2	0.2	0.8	1.6	2.6	5.5	
Other vascular disease, incl. venous	M	74619	4507	44499	137.3	12.7	176.2	2.9	0.7	1.4	4.8	15.6	25.8	37.8	
	F	79956	1393	18586	74.3	4.2	59.5	3.1	1.0	0.7	2.3	4.0	7.1	10.9	
Chronic obstructive pulmonary disease	M	38844	274	19875	74.1	0.8	96.5	0.3	0.2	0.3	0.5	0.8	1.6	1.7	
	F	18041	131	4802	16.5	0.4	16.4	0.2	0.2	0.1	0.3	0.5	0.6	0.9	
Other respiratory disease	M	33386	4221	24795	55.5	14.2	92.4	48.1	2.3	1.4	4.0	8.9	13.6	21.2	
	F	11870	2221	5574	14.8	8.5	16.8	40.4	2.1	1.0	2.0	3.3	4.4	6.4	
Peptic ulcer	M	6247	274	4564	10.6	0.8	18.5	-	0.0	0.0	0.3	0.7	1.2	3.1	
	F	2388	49	1014	2.4	0.1	3.3	0.0	0.1	0.1	0.1	0.1	0.2	0.5	
Liver cirrhosis & other liver disease	M	17339	1088	14026	27.5	3.1	53.3	0.5	0.2	0.3	0.9	2.4	5.5	11.8	
	F	11896	493	8376	13.8	1.4	26.5	0.3	0.2	0.2	0.6	1.0	2.9	4.9	
Renal disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth	F	503	346	157	0.7	1.0	0.4	-	-	0.0	0.6	2.1	2.1	2.0	
Congenital and perinatal causes	M	9074	8610	422	21.0	36.4	1.4	243.6	3.8	1.8	1.6	1.4	1.1	1.2	
	F	6593	6088	453	15.7	27.0	1.3	180.3	3.0	1.7	1.3	1.0	0.9	0.9	
Ill-defined causes	M	43087	6642	21545	87.8	19.2	77.5	19.3	1.3	1.8	10.0	27.9	36.0	38.3	
	F	59845	1868	5801	54.5	6.1	17.8	16.1	1.2	1.1	3.6	6.1	6.4	8.4	
Other medical causes	M	40417	6129	26130	67.2	18.1	98.5	22.6	7.6	5.8	10.9	20.0	26.6	33.0	
	F	32689	3192	16316	35.9	10.0	51.0	17.5	5.7	4.2	7.2	8.9	11.8	14.5	
ALL NON-MEDICAL CAUSES	M	250009	77975	156623	369.6	215.1	520.7	54.7	34.4	38.6	166.6	375.1	412.7	423.4	
	F	68707	16769	39169	83.8	48.9	115.2	41.4	16.0	16.1	52.4	68.5	71.1	76.5	
Motor vehicle traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	7700	1420	5534	12.0	4.2	19.1	5.2	1.7	1.2	1.7	4.1	6.4	9.4	
	F	2933	473	1480	3.5	1.6	4.5	3.8	1.1	0.5	0.6	1.2	1.8	2.0	
Suicide	M	47806	15636	28667	69.7	42.3	96.1	-	0.5	6.4	36.8	79.6	86.4	86.5	
	F	9128	2145	4719	10.5	5.9	13.8	-	0.1	1.8	8.6	9.4	10.3	10.8	
Homicide	M	30753	10320	18942	44.6	28.5	59.9	3.5	1.4	2.2	18.2	45.8	60.9	67.4	
	F	10337	3015	5786	12.7	8.6	16.5	3.8							

2000: RUSSIAN FEDERATION

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
901.1	1243.6	1742.9	2407.0	3279.2	4440.2	5930.1	8074.1	10527.0	18558.7	M	ALL CAUSES	001-999/A00-Y89
233.3	334.1	503.2	756.6	1133.4	1589.2	2560.8	4135.5	6766.4	15495.8	F		
54.6	71.9	83.9	80.7	77.1	66.2	43.8	33.0	24.0	56.6	M	Tuberculosis	010-018/A15-A19
7.4	8.8	8.2	7.1	6.5	5.2	5.1	4.8	4.6	6.0	F		
0.3	0.3	0.2	0.1	0.1	0.0	-	0.0	-	0.2	M	HIV	279.5, 279.6/B20-B24
0.1	0.1	0.0	0.0	-	-	-	-	-	-	F		
4.7	4.8	4.5	6.7	5.9	6.3	6.4	6.9	7.3	7.0	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.8	2.0	2.7	3.6	3.9	4.0	4.3	4.2	5.7	5.4	F		
37.4	78.1	179.6	354.3	638.1	911.3	1216.9	1524.1	1640.3	1337.3	M	ALL CANCER	140-208/C00-C97
41.7	73.0	122.9	191.3	274.0	364.3	487.1	647.5	786.8	668.7	F		
1.6	5.0	13.5	27.6	39.0	44.4	47.4	46.6	39.1	30.9	M	Mouth and pharynx cancer	140-149/C00-C14
0.4	0.6	1.7	2.5	3.1	3.0	5.4	6.8	9.0	13.5	F		
0.3	1.5	5.7	15.2	28.0	34.0	42.1	47.5	51.4	35.4	M	Oesophagus cancer	150/C15
0.1	0.2	0.7	1.2	1.8	2.8	7.2	10.1	14.4	16.0	F		
5.8	12.6	28.3	50.7	93.2	138.2	192.9	245.1	273.4	215.6	M	Stomach cancer	151/C16
4.6	7.4	12.1	18.9	32.4	47.3	73.3	107.5	134.0	104.7	F		
2.5	5.0	11.1	21.6	46.8	74.7	121.2	178.6	227.8	214.1	M	Colorectal cancer	153, 154/C18-C21
3.1	6.0	10.3	19.3	35.3	51.4	76.3	108.9	140.9	125.3	F		
1.0	2.3	5.2	9.6	19.5	27.1	36.0	44.0	52.6	36.6	M	Liver cancer	155.0, 155.1/C22
0.7	1.2	2.2	3.9	6.7	10.7	14.6	20.3	24.6	18.0	F		
2.1	4.7	9.5	16.5	28.5	37.6	47.7	56.1	59.1	55.4	M	Pancreas cancer	157/C25
0.7	1.3	3.3	6.3	11.5	17.7	24.1	37.7	43.6	37.7	F		
0.9	3.1	9.3	17.1	28.3	36.8	40.3	43.8	42.1	22.9	M	Larynx cancer	161/C32
0.1	0.1	0.4	0.4	0.5	0.7	1.3	1.2	1.9	1.5	F		
6.0	17.5	50.6	111.7	220.3	320.7	403.7	490.9	428.5	264.3	M	Lung cancer	162/C33, C34
1.5	2.8	6.1	9.6	16.0	22.9	34.3	51.8	65.0	44.0	F		
1.0	1.6	2.4	3.3	3.7	4.5	5.5	6.8	9.6	8.5	M	Malignant melanoma	172/C43
1.1	1.4	2.5	2.6	2.1	3.3	4.2	5.0	5.9	7.0	F		
9.5	19.9	34.4	52.0	61.0	67.6	68.2	76.3	90.2	86.1	F	Female breast cancer	174/C50
5.4	8.7	10.1	12.1	13.3	14.6	16.8	22.9	28.7	24.0	F	Cervix cancer	180/C53
1.5	2.2	4.7	8.1	14.6	19.5	26.2	30.1	34.1	28.9	F	Other uterine cancer	179, 182/C54, C55
2.4	5.4	10.0	16.4	20.2	24.3	26.9	31.8	29.6	19.7	F	Ovarian cancer	183.0/C56
0.2	0.5	1.6	4.4	12.5	29.3	56.1	89.6	134.7	142.4	M	Prostate cancer	185/C61
0.5	1.3	3.0	6.5	16.2	27.7	46.2	68.2	88.6	102.7	M	Bladder cancer	188/C67
0.1	0.2	0.3	0.7	1.3	2.4	5.0	7.3	13.8	13.7	F		
12.2	18.3	32.7	57.8	82.0	108.4	136.4	158.7	176.0	164.1	M	Other and ill-defined cancer sites	Rest of 140-199/rest of C00-C80, C97
7.6	11.8	18.1	28.6	42.0	58.9	78.5	102.2	121.4	111.2	F	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	M		
1.2	1.9	2.9	5.0	7.9	11.5	15.5	16.0	18.9	12.0	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/C82-C85, C90
0.6	1.1	2.2	3.3	5.0	6.8	10.5	10.0	10.9	6.0	F		
2.2	2.9	3.9	7.2	12.1	16.4	25.9	32.4	38.6	32.4	M	Leukaemia	204-208/C91-C95
2.1	2.6	3.7	5.3	7.2	10.4	14.4	17.7	18.7	11.5	F		
3.0	3.5	4.8	8.2	10.1	14.9	21.9	24.4	25.3	20.0	M	Diabetes	250/E10-E14
1.7	2.5	4.1	8.1	14.8	24.6	39.9	45.6	45.7	23.6	F		
175.9	332.4	579.2	949.4	1460.2	2296.9	3439.0	5151.0	7285.9	12741.3	M	ALL VASCULAR DISEASE	390-459/I00-I99
42.9	81.4	154.8	288.3	526.3	886.1	1669.3	2986.9	5244.7	12019.1	F		
3.0	5.6	8.8	11.8	14.0	16.4	16.9	12.2	8.3	6.4	M	Rheumatic heart disease and fever	390-398/I00-I09
1.5	3.3	6.0	9.9	16.1	21.6	22.8	18.7	17.3	8.6	F		
3.7	7.6	13.5	25.1	37.3	57.9	82.0	91.8	98.7	114.4	M	Hypertensive disease	401-404/I10-I13
1.1	2.7	6.7	14.6	24.0	38.2	61.7	81.0	112.1	143.8	F		
83.1	175.1	326.0	550.8	835.4	1276.1	1817.0	2605.4	3653.3	5970.8	M	Ischaemic heart disease	410-414/I20-I25
13.1	26.9	55.5	109.5	220.7	384.5	744.4	1327.8	2300.6	5076.5	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
25.1	52.4	106.2	200.7	380.4	691.9	1175.6	1929.0	2797.0	5040.7	M	Cerebrovascular disease	430-438/I60-169
10.0	22.9	49.9	105.4	200.2	357.3	702.0	1294.4	2326.4	5197.8	F		
61.0	91.8	124.7	161.0	193.1	254.6	347.4	512.5	728.6	1608.9	M	Other vascular disease, incl. venous	Rest of 390-459/rest of I00-I99
17.2	25.8	36.7	48.8	65.3	84.4	138.5	265.1	488.4	1592.4	F		
4.2	8.2	19.1	40.5	91.2	183.7	328.5	474.8	603.4	730.5	M	Chronic obstructive pulmonary disease	490-494, 496/J40-J47
1.2	2.4	4.9	7.9	16.0	27.6	54.5	90.5	140.6	257.6	F		
37.6	56.6	84.0	109.1	119.4	124.9	115.1	106.1	108.5	230.0	M	Other respiratory disease	Rest of 460-519/rest of J00-J98
8.9	11.4	15.8	18.9	19.7	19.9	23.4	32.5	42.3	74.1	F		
4.9	7.7	12.3	18.8	23.9	27.5	34.1	40.0	41.3	45.8	M	Peptic ulcer	531-533/K25-K27
0.7	1.4	1.9	2.7	3.7	4.9	7.4	10.8	17.5	19.8	F		
20.5	31.6	43.7	57.4	67.9	76.6	74.9	70.4	60.8	52.9	M	Liver cirrhosis & other liver disease	570-573/K70-K76
8.3	13.4	19.3	27.9	43.6	37.6	35.3	35.4	38.7	28.3	F		
...	...	...	...	...	...	...	...	...	...	M	Renal disease	Not given separately
1.8	0.7	0.1	-	0.1	0.0	-	-	-	-	F	Pregnancy, birth	630-676/O00-O99
1.2	1.4	1.6	1.4	1.8	1.2	1.0	1.0	1.7	1.4	M	Congenital and perinatal causes	740-779/P00-P96, Q00-Q99
0.9	1.1	1.9	1.3	1.9	1.1	1.0	0.8	0.5	0.4	F		
43.9	58.0	71.2	89.0	99.3	100.2	80.4	94.0	193.3	1946.9	M	Ill-defined causes	780-799/R00-R99
8.9	11.2	14.8	18.5	23.8	22.9	24.2	44.2	147.9	1987.4	F		
46.6	62.1	82.2	99.6	113.3	129.7	155.9	196.7	258.1	361.9	M	Other medical causes	Rest of 001-799/rest of A00-R99
20.4	26.1	36.0	49.4	60.8	71.9	92.6	118.1	159.6	194.0	F		
466.2	526.9	576.6	591.6	570.7	500.6	412.2	351.7	277.2	1027.0	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
86.5	98.4	115.7	131.6	138.5	119.1	116.7	114.3	131.8	211.4	F	Motor vehicle traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	M	Fire	E890-E899/X00-X09
12.5	17.6	20.4	21.1	21.0	22.0	19.1	16.2	16.9	48.1	F		
2.4	3.2	3.7	4.6	5.9	5.4	6.3	7.9	10.4	17.4	F		
87.7	96.8	103.6	105.9	100.1	83.2	95.4	99.9	75.4	147.8	M	Suicide	E950-E959/X60-X84
10.8	12.2	13.4	14.9	13.8	14.0	17.8	21.1	23.6	35.8	F		
69.8	70.1	71.1	67.9	59.8	47.2	33.3	27.0	23.1	128.8	M	Homicide	E960-E969/X85-X99, Y00-Y09
16.5	17.4	18.3	17.9	17.6	14.4	13.2	14.5	16.6	23.4	F		
5762	6162	5468	4139	2383	3635	2301	2054	768	590	M	POPULATION	
5835	6449	5964	4758	3049	5124	3679	4040	2404	2357	F	(1000s; UN, 2002 revision)	

RUSSIAN FEDERATION: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & other liver	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	131783	3912	208	120	3584	837	4253	9508	1160	27669	84444
35-69	Sm.	272376	70092	41774	12460	15858	27795	7987	130539	-	35963	-
	Total	753307 (36%)	125119 (56%)	43721 (96%)	16311 (76%)	65087 (24%)	32522 (85%)	16989 (47%)	310435 (42%)	16778	77466 (46%)	173998
70+	Sm.	53006	14238	9338	1896	3004	12739	263	22859	-	2907	-
	Total	282538 (19%)	36762 (39%)	10266 (91%)	3171 (60%)	23325 (13%)	17575 (72%)	2094 (13%)	183773 (12%)	2153	25966 (11%)	14215
Any age	Sm.	325382	84330	51112	14356	18862	40534	8250	153398	-	38870	-
	Total	1167628 (28%)	165793 (51%)	54195 (94%)	19602 (73%)	91996 (21%)	50934 (80%)	23336 (35%)	503716 (30%)	20091	131101 (30%)	272657
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	124173	3282	147	73	3062	274	4221	9270	1088	28063	77975
35-69	Sm.	229255	56145	33183	10423	12539	16505	10415	113466	-	32724	-
	Total	699439 (33%)	107779 (52%)	35007 (95%)	14238 (73%)	58534 (21%)	19875 (83%)	24795 (42%)	298979 (38%)	14026	77362 (42%)	156623
70+	Sm.	71707	20656	13638	2666	4352	13696	645	33412	-	3298	-
	Total	356163 (20%)	51792 (40%)	14933 (91%)	4376 (61%)	32483 (13%)	18695 (73%)	4370 (15%)	236913 (14%)	2225	26757 (12%)	15411
Any age	Sm.	300962	76801	46821	13089	16891	30201	11060	146878	-	36022	-
	Total	1179775 (26%)	162853 (47%)	50087 (93%)	18687 (70%)	94079 (18%)	38844 (78%)	33386 (33%)	545162 (27%)	17339	132182 (27%)	250009

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		69560	37605	29473	6397	5800	4511	2675	4307	2917	2866	1213	611	659
2000		68199	34938	29849	5762	6162	5468	4139	2383	3635	2301	2054	768	590
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		1167628	131783	753307	63600	81122	86647	72457	145374	133360	170747	91776	64710	126052
2000		1179775	124173	699439	51922	76630	95309	99617	78134	161400	136427	165859	80826	109478
Lung cancer														
1995		54195	208	43721	453	1466	2713	3911	10642	10621	13915	5710	2747	1809
2000		50087	147	35007	344	1078	2766	4624	5250	11658	9287	10084	3290	1559
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)														
All causes														
1995		2163.9*	361.2*	2989.5*	994.2	1398.7	1920.8	2709.2	3375.0	4571.7	5957.1	7567.9	10594.3	19124.9
2000		2102.4*	362.5*	2849.1*	901.1	1243.6	1742.9	2407.0	3279.2	4440.2	5930.1	8074.1	10527.0	18558.7
All cancer														
1995		306.2*	10.4*	538.2*	42.8	96.7	208.6	424.1	671.1	985.9	1338.1	1484.5	1649.5	1317.6
2000		287.9*	9.4*	488.0*	37.4	78.1	179.6	354.3	638.1	911.3	1216.9	1524.1	1640.3	1337.3
Lung cancer														
1995		98.0*	0.5*	190.8*	7.1	25.3	60.1	146.2	247.1	364.1	485.5	470.9	449.7	274.5
2000		87.2*	0.4*	161.5*	6.0	17.5	50.6	111.7	220.3	320.7	403.7	490.9	428.5	264.3
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		35.2*	0.3*	69.2*	3.3	13.5	35.9	68.2	97.1	125.5	140.7	139.2	125.6	108.6
2000		32.4*	0.2*	63.0*	2.8	9.6	28.5	59.9	95.4	115.2	129.9	137.9	132.6	89.2
Other cancer														
1995		173.0*	9.5*	278.3*	32.4	58.0	112.5	209.6	327.0	496.3	711.9	874.5	1074.2	934.5
2000		168.3*	8.7*	263.4*	28.7	51.0	100.5	182.6	322.4	475.4	683.4	895.4	1079.2	983.9
Chronic obstructive pulmonary disease (COPD)														
1995		102.6*	2.2*	142.6*	12.7	24.0	42.1	94.1	145.9	277.5	402.0	554.8	737.6	962.2
2000		74.1*	0.8*	96.5*	4.2	8.2	19.1	40.5	91.2	183.7	328.5	474.8	603.4	730.5
Other respiratory disease														
1995		39.7*	13.2*	62.9*	27.3	45.6	62.5	84.7	80.9	75.4	63.9	55.2	62.5	158.1
2000		55.5*	14.2*	92.4*	37.6	56.6	84.0	109.1	119.4	124.9	115.1	106.1	108.5	230.0
Vascular disease														
1995		1031.9*	24.6*	1310.0*	193.4	360.3	617.9	1000.2	1443.4	2271.7	3283.1	4658.9	7042.2	12784.3
2000		1050.5*	26.2*	1319.0*	175.9	332.4	579.2	949.4	1460.2	2296.9	3439.0	5151.0	7285.9	12741.3
Liver cirrhosis and other liver disease														
1995		33.7*	3.0*	64.3*	22.5	36.4	56.7	71.5	81.4	91.0	90.5	91.6	81.4	82.7
2000		27.5*	3.1*	53.3*	20.5	31.6	43.7	57.4	67.9	76.6	74.9	70.4	60.8	52.9
Other medical causes														
1995		239.6*	83.9*	284.8*	150.3	216.0	263.4	318.7	331.8	344.9	368.4	422.8	706.8	2506.8
2000		237.1*	93.7*	279.4*	159.3	209.8	260.8	304.7	331.7	346.1	343.5	396.0	550.9	2439.7
All non-medical causes														
1995		410.4*	224.0*	586.7*	545.2	619.7	669.6	715.9	620.5	525.2	411.1	300.1	314.3	1313.3
2000		369.6*	215.1*	520.7*	466.2	526.9	576.6	591.6	570.7	500.6	412.2	351.7	277.2	1027.0

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: RUSSIAN FEDERATION

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & other liver	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	43662	3637	96	47	3494	435	2558	2696	466	15891	17979
35-69	Sm.	16435	2968	2244	289	435	2614	169	8936	-	1748	-
	Total	347268 (5%)	74731 (4%)	5174 (43%)	1728 (17%)	67829 (1%)	8453 (31%)	3659 (5%)	169610 (5%)	9670	36168 (5%)	44977
70+	Sm.	18906	2617	1900	384	333	5471	50	9516	-	1252	-
	Total	645253 (3%)	51490 (5%)	4119 (46%)	2159 (18%)	45212 (1%)	17262 (32%)	2143 (2%)	487489 (2%)	3091	70884 (2%)	12894
Any age	Sm.	35341	5585	4144	673	768	8085	219	18452	-	3000	-
	Total	1036183 (3%)	129858 (4%)	9389 (44%)	3934 (17%)	116535 (1%)	26150 (31%)	8360 (3%)	659795 (3%)	13227	122943 (2%)	75850
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	39282	3123	81	43	2999	131	2221	2646	493	13899	16769
35-69	Sm.	9041	1703	1291	160	252	1063	169	5131	-	975	-
	Total	311351 (3%)	68517 (2%)	4011 (32%)	1471 (11%)	63035 (0%)	4802 (22%)	5574 (3%)	153562 (3%)	8376	31351 (3%)	39169
70+	Sm.	19967	2974	2190	379	405	4355	94	11194	-	1350	-
	Total	694924 (3%)	60832 (5%)	4693 (47%)	2066 (18%)	54073 (1%)	13108 (33%)	4075 (2%)	530003 (2%)	3027	71110 (2%)	12769
Any age	Sm.	29008	4677	3481	539	657	5418	263	16325	-	2325	-
	Total	1045557 (3%)	132472 (4%)	8785 (40%)	3580 (15%)	120107 (1%)	18041 (30%)	11870 (2%)	686211 (2%)	11896	116360 (2%)	68707

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
	1995	78581	36218	34741	6465	6029	4858	3139	5425	4054	4771	3155	1846	2622
	2000	77413	33755	34858	5835	6449	5964	4758	3049	5124	3679	4040	2404	2357
NUMBER OF DEATHS (Source: WHO)														
All causes														
	1995	1036183	43662	347268	16287	23045	27866	26466	61680	69221	122703	128563	124193	392497
	2000	1045557	39282	311351	13612	21548	30009	35994	34561	81426	94201	167057	162692	365175
Lung cancer														
	1995	9389	96	5174	100	205	337	346	936	1215	2035	1739	1135	1245
	2000	8785	81	4011	90	180	361	455	489	1173	1263	2093	1563	1037
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
	1995	1023.8*	130.8*	1066.7*	251.9	382.3	573.6	843.0	1136.9	1707.5	2571.8	4074.4	6729.1	14972.2
	2000	1013.2*	128.3*	1015.8*	233.3	334.1	503.2	756.6	1133.4	1589.2	2560.8	4135.5	6766.4	15495.8
All cancer														
	1995	139.8*	9.9*	230.5*	46.4	78.4	132.7	199.1	273.8	371.7	511.2	647.6	734.6	667.4
	2000	137.3*	9.3*	222.1*	41.7	73.0	122.9	191.3	274.0	364.3	487.1	647.5	786.8	668.7
Lung cancer														
	1995	9.8*	0.3*	16.1*	1.5	3.4	6.9	11.0	17.3	30.0	42.7	55.1	61.5	47.5
	2000	8.7*	0.2*	13.3*	1.5	2.8	6.1	9.6	16.0	22.9	34.3	51.8	65.0	44.0
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
	1995	4.0*	0.1*	5.4*	0.7	1.0	2.2	4.2	5.3	8.9	15.3	21.4	28.6	36.5
	2000	3.5*	0.1*	4.9*	0.6	0.9	2.8	4.2	5.4	6.6	13.8	18.0	25.3	30.9
Other cancer														
	1995	126.1*	9.5*	209.0*	44.1	73.9	123.5	183.9	251.2	332.8	453.2	571.1	644.6	583.4
	2000	125.1*	8.9*	203.8*	39.6	69.3	114.0	177.6	252.5	334.8	438.9	577.6	696.5	593.8
Chronic obstructive pulmonary disease (COPD)														
	1995	25.1*	1.2*	26.2*	3.3	5.8	10.1	16.8	24.8	46.3	76.4	125.6	204.3	363.5
	2000	16.5*	0.4*	16.4*	1.2	2.4	4.9	7.9	16.0	27.6	54.5	90.5	140.6	257.6
Other respiratory disease														
	1995	11.2*	8.7*	10.9*	5.3	9.3	11.1	11.3	12.2	11.7	15.1	20.5	26.4	38.5
	2000	14.8*	8.5*	16.8*	8.9	11.4	15.8	18.9	19.7	19.9	23.4	32.5	42.3	74.1
Vascular disease														
	1995	608.7*	7.3*	527.3*	46.0	90.3	173.8	316.1	513.7	944.9	1606.6	2854.4	5089.6	11576.9
	2000	621.1*	7.8*	521.3*	42.9	81.4	154.8	288.3	526.3	886.1	1669.3	2986.9	5244.7	12019.1
Liver cirrhosis and other liver disease														
	1995	15.5*	1.3*	29.7*	8.1	14.3	23.5	35.2	44.2	41.5	41.1	40.3	43.9	38.4
	2000	13.8*	1.4*	26.5*	8.3	13.4	19.3	27.9	43.6	37.6	35.3	35.4	38.7	28.3
Other medical causes														
	1995	129.8*	52.2*	109.5*	43.9	61.3	79.0	100.7	123.2	159.7	198.7	267.7	479.4	2044.3
	2000	125.7*	52.0*	97.5*	43.8	54.0	69.8	90.7	115.4	134.6	174.5	228.5	381.4	2236.6
All non-medical causes														
	1995	93.7*	50.2*	132.6*	99.0	123.0	143.4	163.8	145.0	131.6	122.8	118.3	151.0	243.2
	2000	83.8*	48.9*	115.2*	86.5	98.4	115.7	131.6	138.5	119.1	116.7	114.3	131.8	211.4

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

RUSSIAN FEDERATION: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 124	– / 39	–
35–69	229 / 699	9.0 / 311	19 years
70+	72 / 356	20 / 695	8 years
All ages	301 / 1180	29 / 1046	16 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

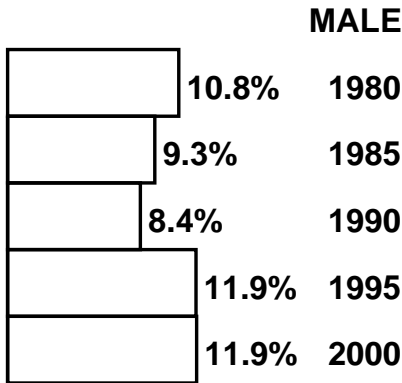
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.1	33/35	14/15	47/50	–/0.1	1.3/4.0	2.2/4.7	3.5/8.8
All Cancer	–/3.3	56/108 (52%)	21/52 (40%)	77/163	–/3.1	1.7/69 (2%)	3.0/61 (5%)	4.7/132
Vascular	–/9.3	113/299	33/237	147/545	–/2.6	5.1/154	11/530	16/686
Respiratory	–/4.5	27/45	14/23	41/72	–/2.4	1.2/10	4.4/17	5.7/30
All Other	–/107	33/248	3.3/44	36/400	–/31	1.0/79	1.4/87	2.3/197
All Causes	–/124	229/699 (33%)	72/356 (20%)	301/1180	–/39	9.0/311 (3%)	20/695 (3%)	29/1046

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	77 / 163 (47%)	4.7 / 132 (4%)	81 / 295 (28%)
All Causes	301 / 1180 (26%)	29 / 1046 (3%)	330 / 2225 (15%)

1980-2000: RUSSIAN FEDERATION

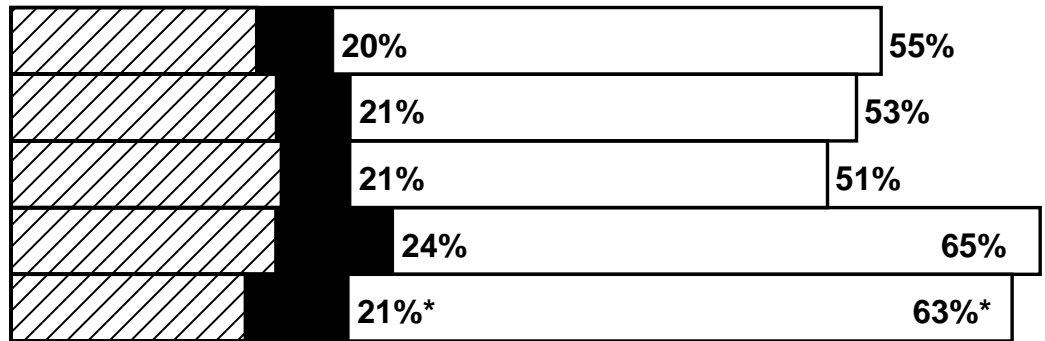
Population risk of dying at ages 0–34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

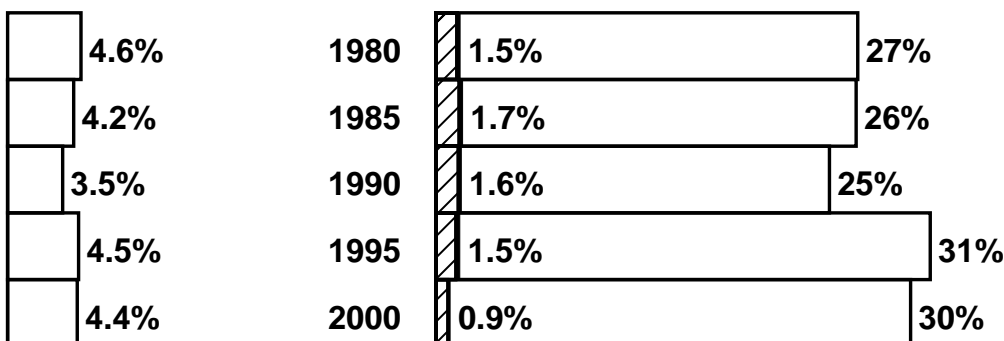
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 63 would die before age 70 (with 21 of these deaths attributed to smoking)

FEMALE



RUSSIAN FEDERATION: 1980-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	-/129	150/413 (36%)	41/217 (19%)	192/760	-/51	14/248 (6%)	13/467 (3%)	26/766
1985	-/116	168/411 (41%)	50/250 (20%)	218/777	-/49	15/240 (6%)	17/559 (3%)	31/848
1990	-/102	191/460 (41%)	49/241 (20%)	240/802	-/40	16/251 (6%)	20/563 (4%)	36/854
1995	-/132	272/753 (36%)	53/283 (19%)	325/1168	-/44	16/347 (5%)	19/645 (3%)	35/1036
2000	-/124	229/699 (33%)	72/356 (20%)	301/1180	-/39	9.0/311 (3%)	20/695 (3%)	29/1046

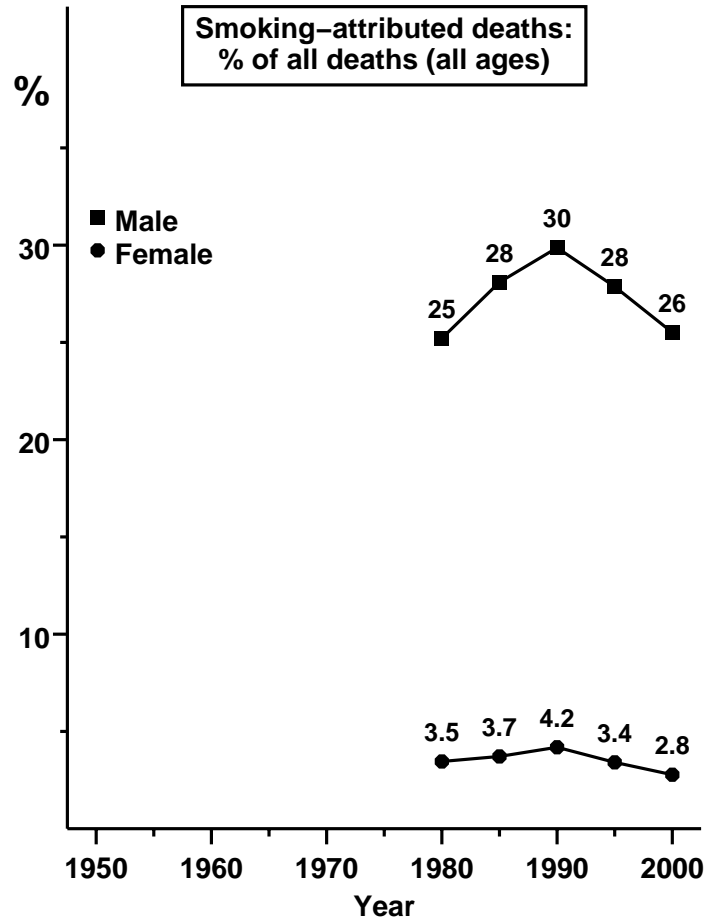
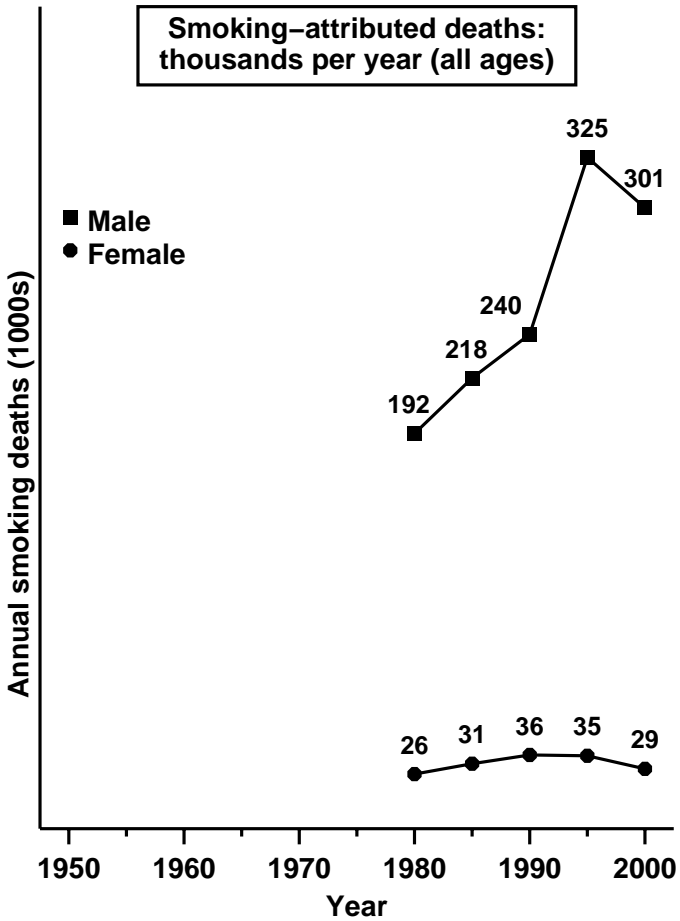
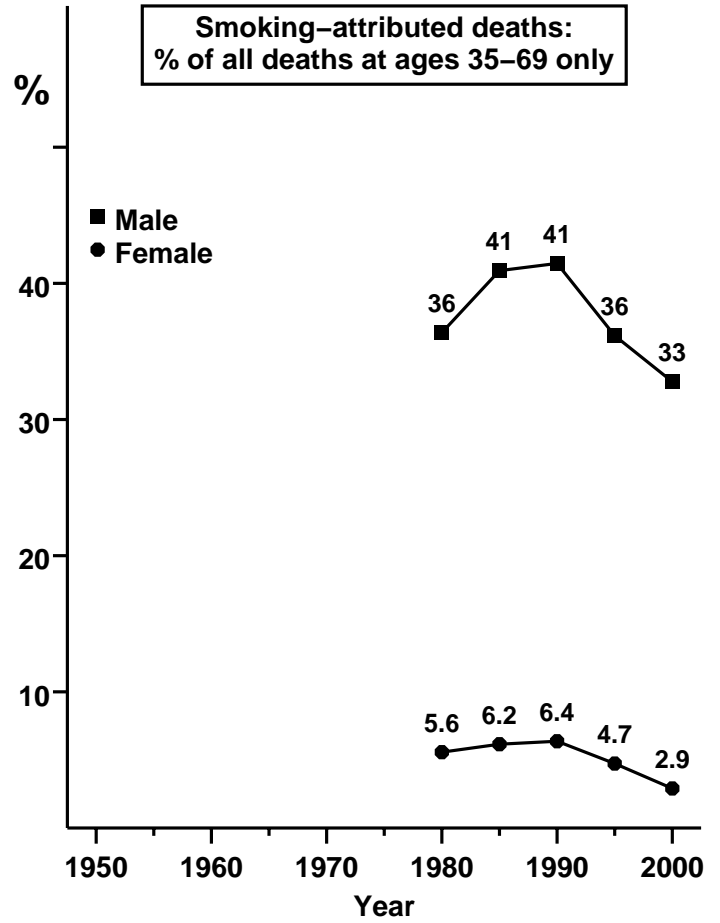
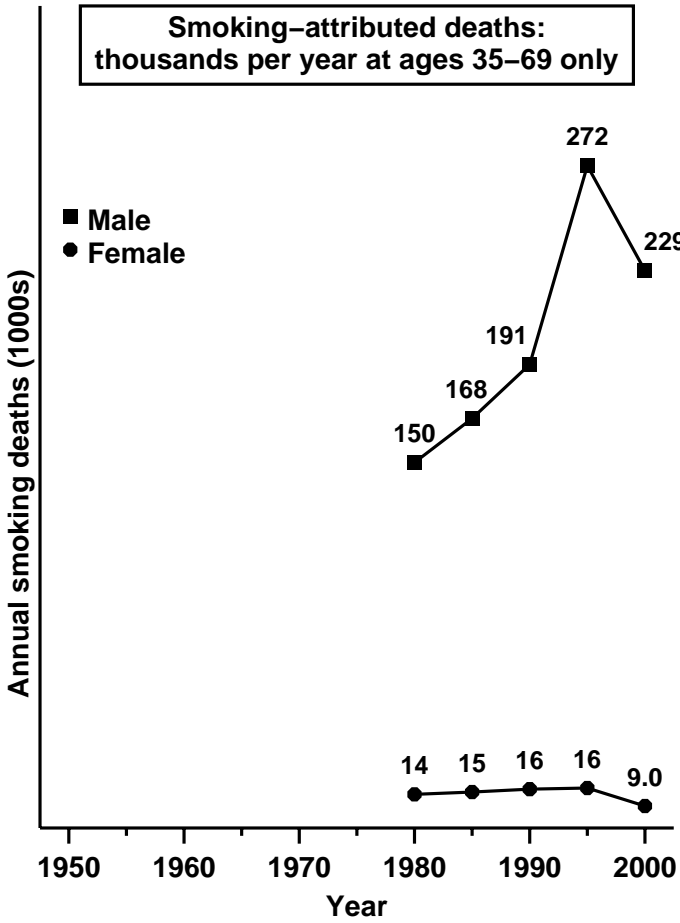
20-year total* (M=millions), mid-1980 to mid-2000: 6.1/ 38M

1980-2000 by age & sex:

-/2.5M	4.4/12M (38%)	1.0/5.3M (19%)	5.4/19M	-/0.9M	0.3/5.9M (5%)	0.4/12M (3%)	0.7/19M
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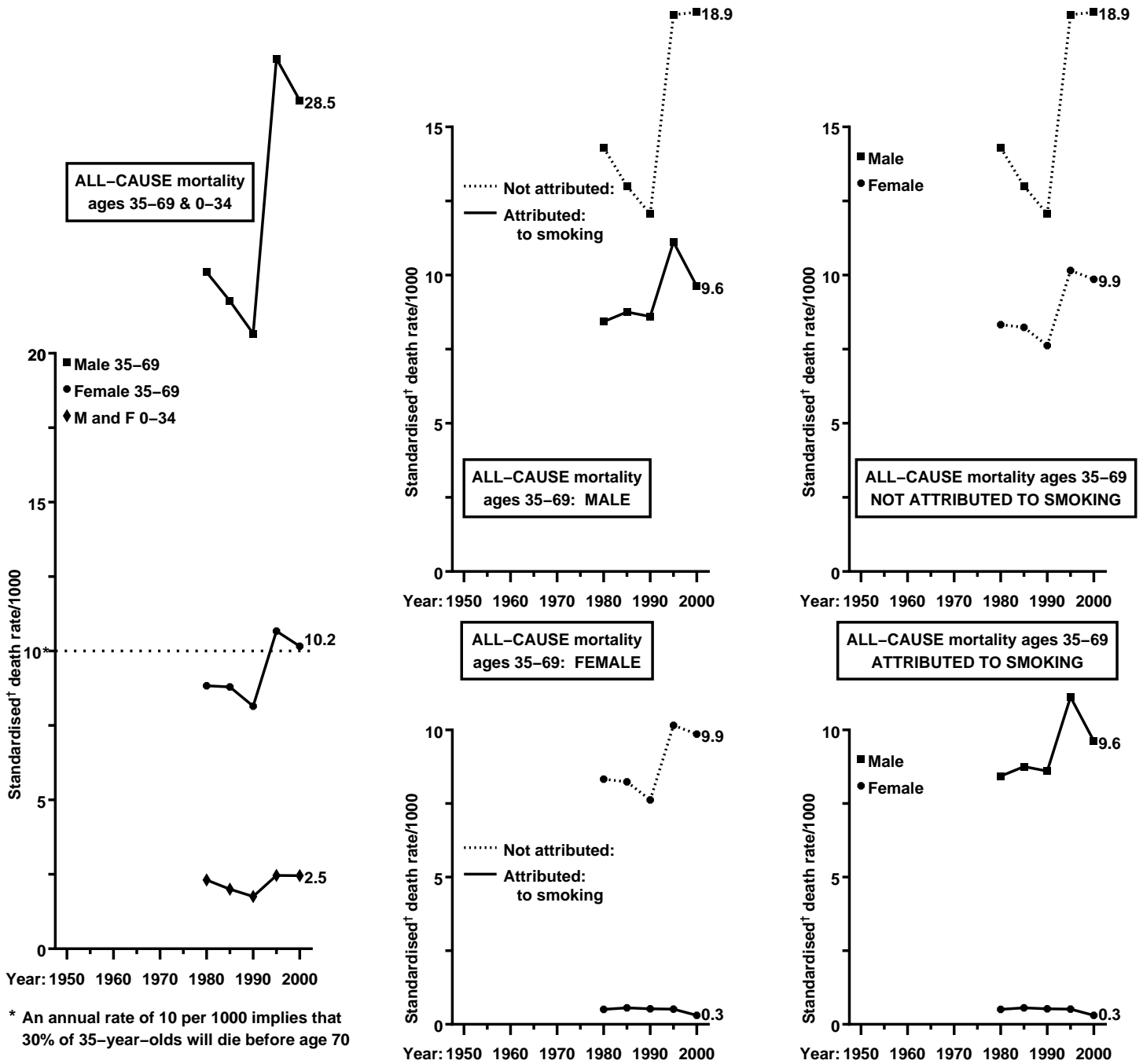
*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1980-2000: RUSSIAN FEDERATION



RUSSIAN FEDERATION: 1980-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

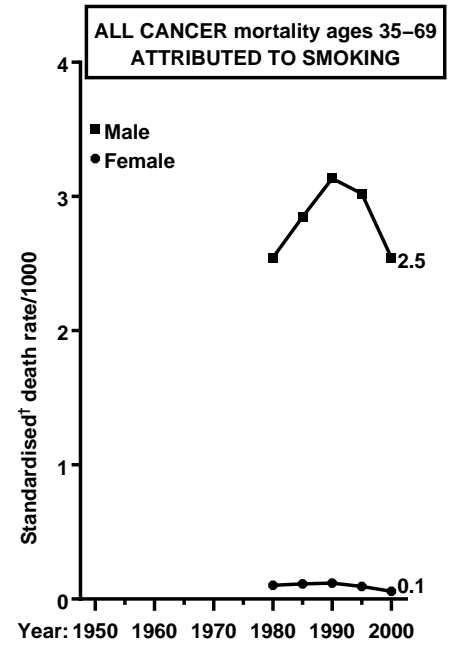
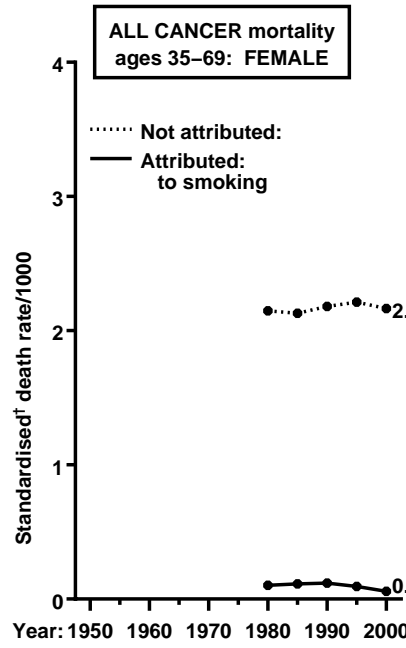
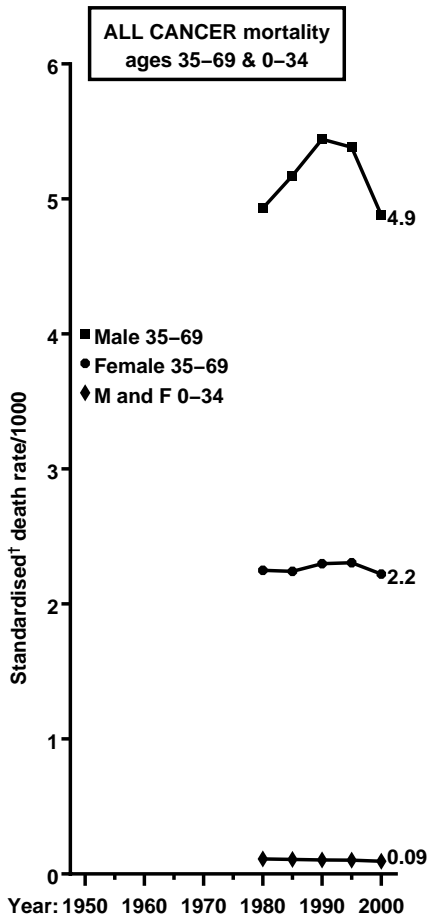
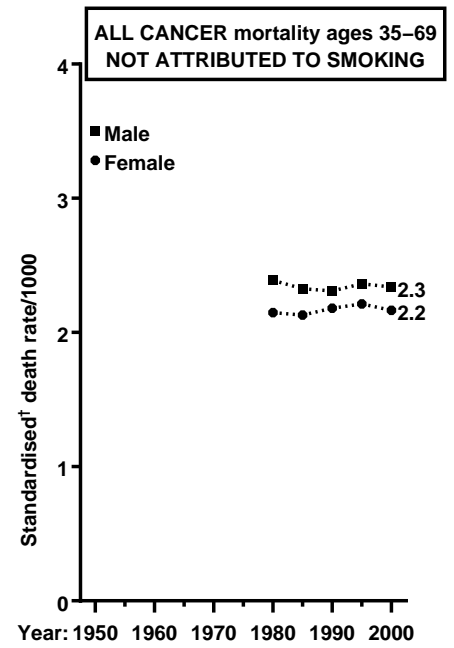
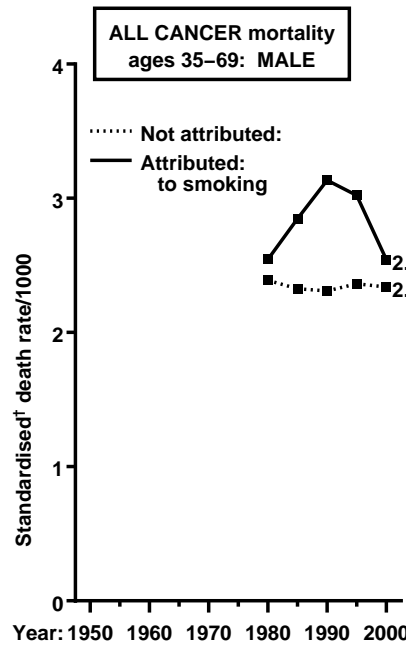
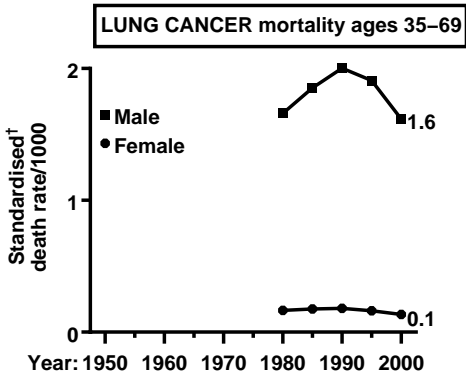


Year	Attributed to smoking?	MALE all-cause mortality (annual rate/1000, by age)						FEMALE all-cause mortality (annual rate/1000, by age)					
		0-34		35-69		70-79		0-34		35-69		70-79	
1950	
1955	
1960	
1965	
1970	
1975	
1980	-	3.26	8.43	14.3	18.0	71.1	-	1.35	0.51	8.33	1.60	49.6	
1985	-	2.78	8.75	13.0	19.1	70.6	-	1.22	0.56	8.23	1.85	51.0	
1990	-	2.50	8.60	12.1	19.6	63.9	-	1.01	0.52	7.62	2.22	47.3	
1995	-	3.61	11.1	18.8	19.6	71.2	-	1.31	0.51	10.2	1.97	52.0	
2000	-	3.62	9.62	18.9	19.5	73.5	-	1.28	0.30	9.86	1.82	52.7	

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1980-2000: RUSSIAN FEDERATION

Trends in ALL CANCER mortality attributed and not attributed to smoking



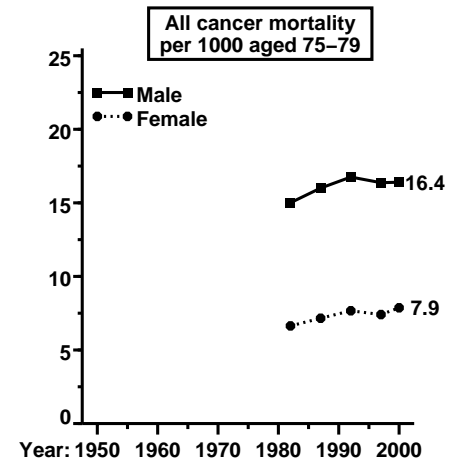
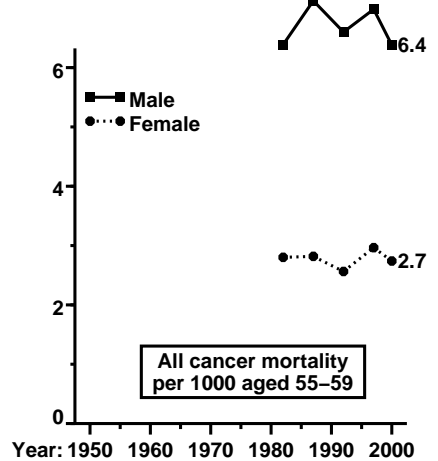
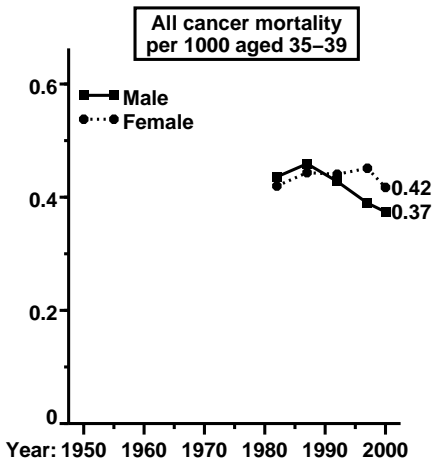
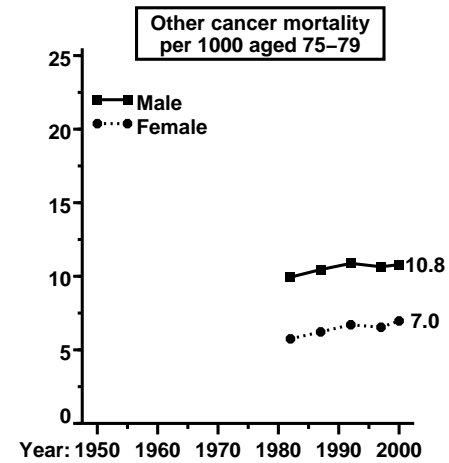
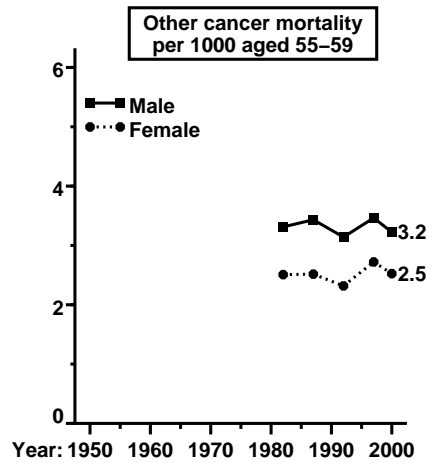
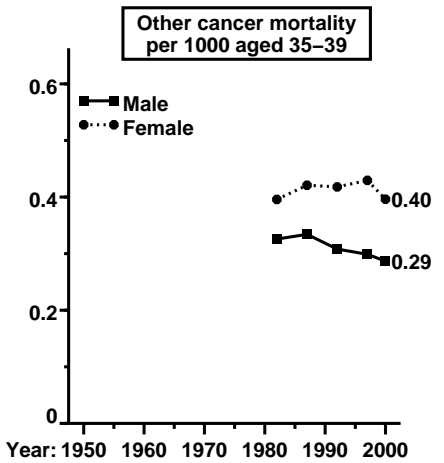
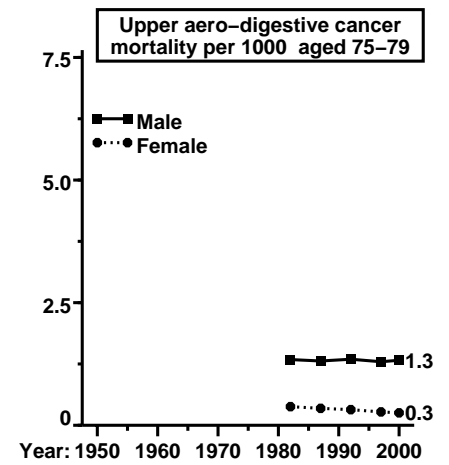
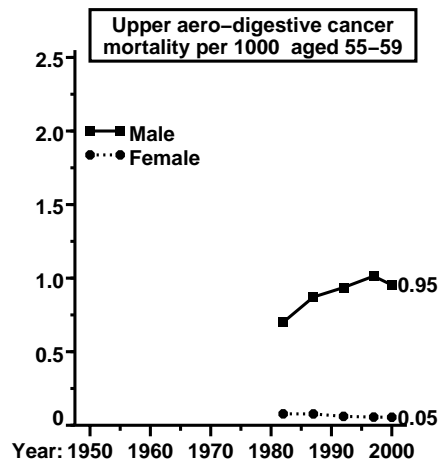
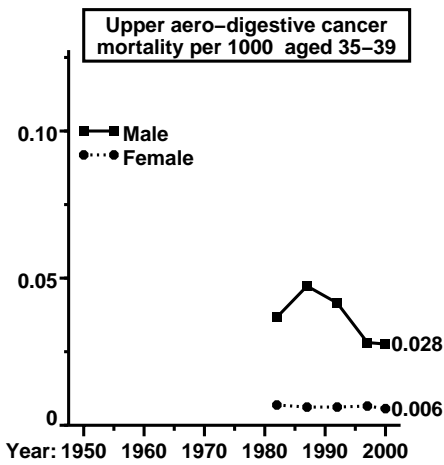
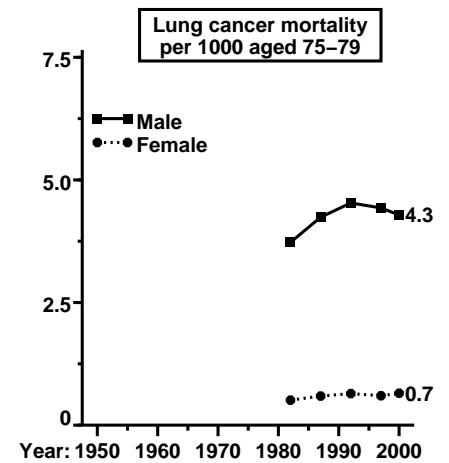
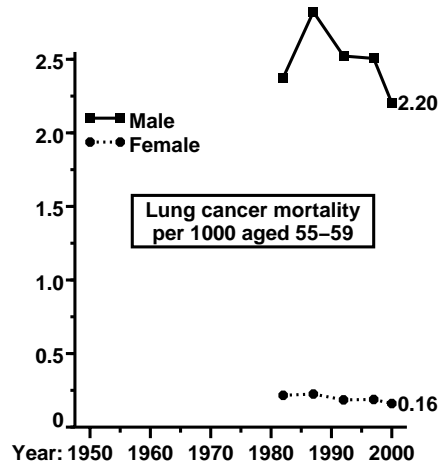
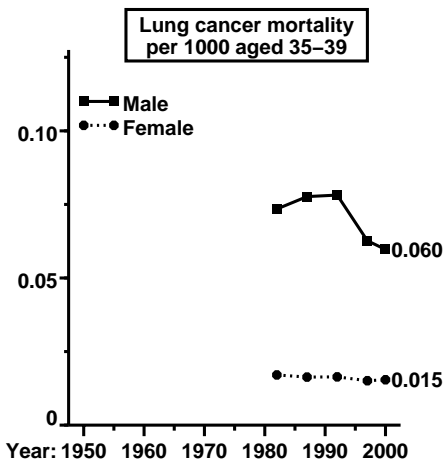
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955		
1960		
1965		
1970		
1975		
1980	-	0.12	2.54	2.39	4.97	9.10	-	0.10	0.10	2.15	0.24	5.97	-	0.10		
1985	-	0.11	2.85	2.32	5.62	9.37	-	0.10	0.11	2.13	0.30	6.22	-	0.10		
1990	-	0.11	3.13	2.31	6.64	9.63	-	0.10	0.12	2.18	0.43	6.69	-	0.10		
1995	-	0.10	3.02	2.36	6.22	9.45	-	0.10	0.09	2.21	0.36	6.55	-	0.10		
2000	-	0.09	2.54	2.34	6.25	9.57	-	0.09	0.06	2.16	0.36	6.81	-	0.10		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

RUSSIAN FEDERATION: 1980-2000

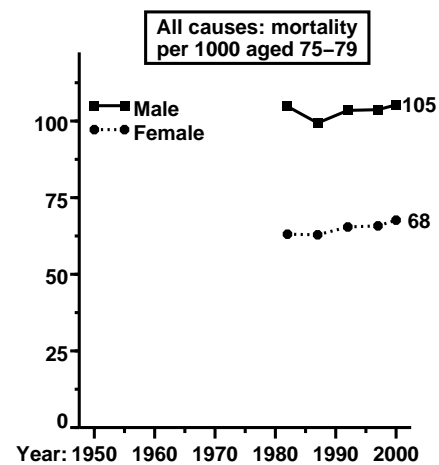
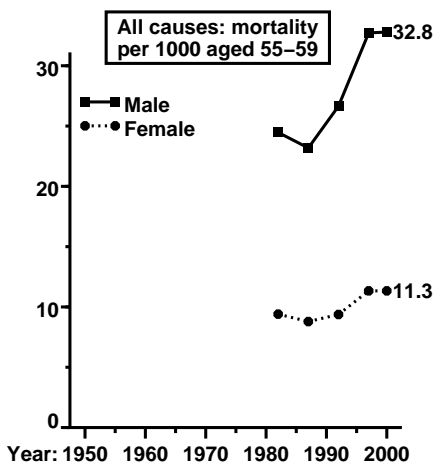
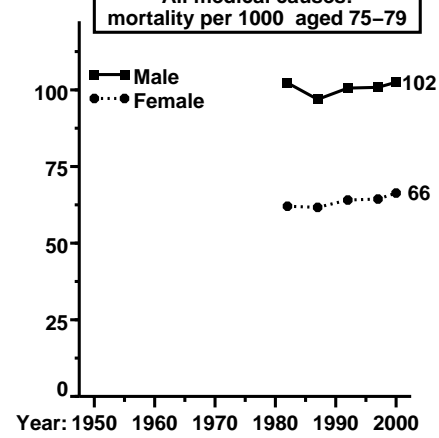
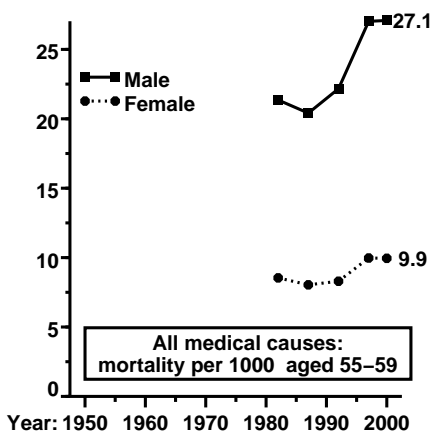
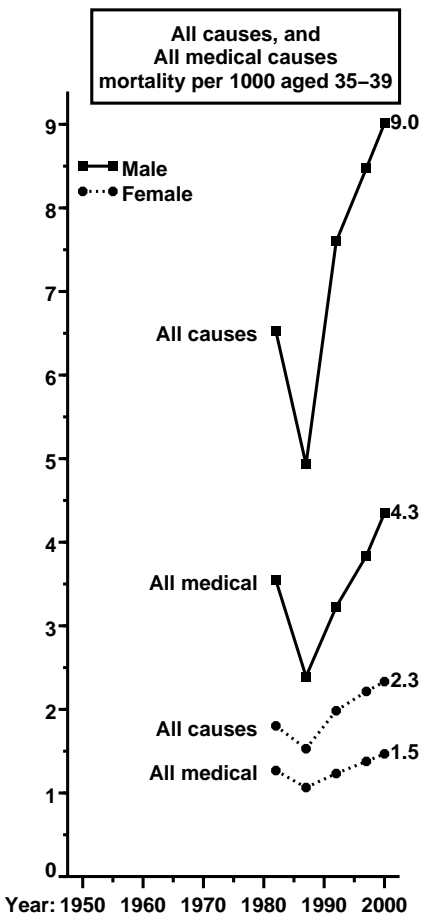
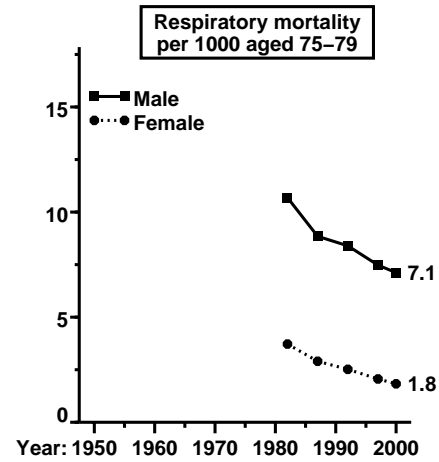
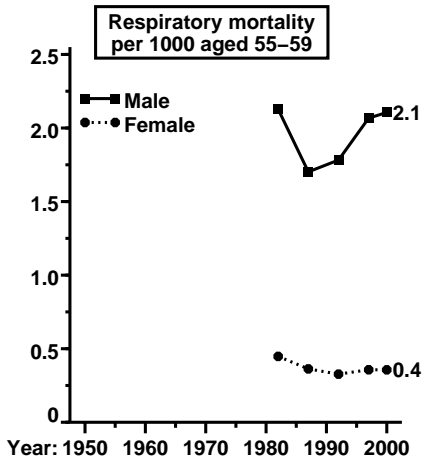
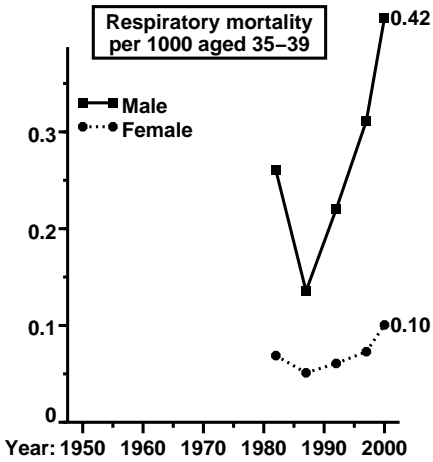
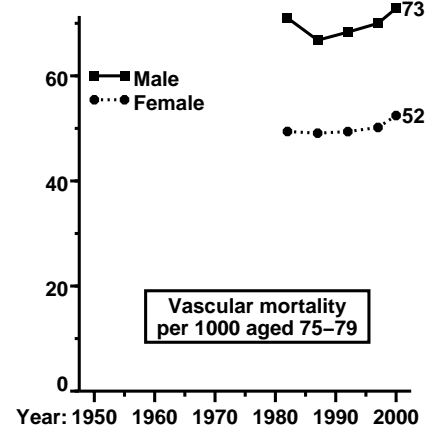
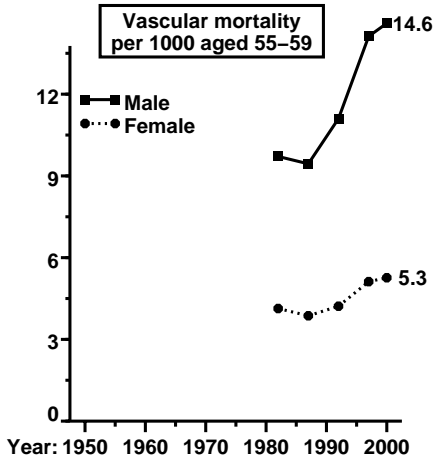
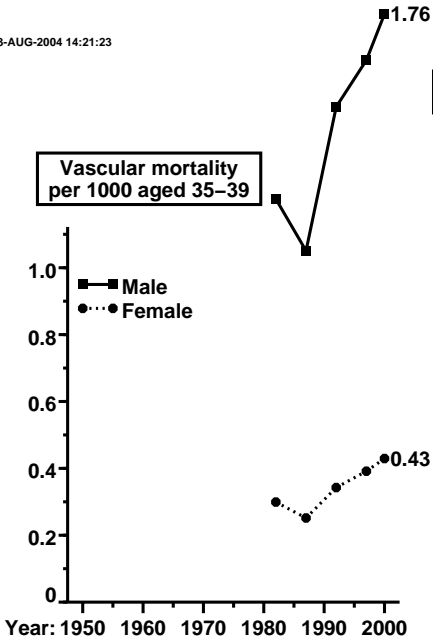
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1980-84,.....,1995-99; then year 2000 separately

1980-2000: RUSSIAN FEDERATION

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1980-84,.....,1995-99; then year 2000 separately

SERBIA and MONTENEGRO: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
		M	F	M	F	M	F	M	F	M	F	M	F	M	F
ALL CAUSES	M	61656	2883	28251	1280.9	112.5	1496.4	351.0	27.4	27.3	58.5	98.7	102.9	121.7
	F	56422	1650	16986	931.9	70.1	810.7	265.0	17.2	20.5	28.2	40.7	43.7	75.1
Tuberculosis	M	270	3	180	5.3	0.1	9.2	-	-	-	-	-	0.3	0.5
	F	109	10	45	1.7	0.4	2.1	-	0.3	-	0.5	0.5	0.5	0.8
HIV	M	32	5	27	0.6	0.2	1.2	0.6	-	-	-	0.2	0.3	0.3
	F	11	8	3	0.2	0.3	0.1	-	0.3	-	-	-	0.3	1.7
Other infective and parasitic	M	226	92	91	4.8	3.8	4.7	22.6	1.1	0.5	0.5	1.0	1.0	0.3
	F	179	78	64	3.6	3.5	3.0	18.4	1.2	1.1	1.0	0.8	0.3	1.4
ALL CANCER	M	11481	210	7141	223.4	7.8	378.7	4.5	3.6	6.5	4.7	9.7	8.4	17.0
	F	8475	179	4837	139.2	7.1	226.8	3.6	1.8	2.1	2.3	7.0	8.4	24.5
Mouth and pharynx cancer	M	386	5	291	7.7	0.2	15.1	-	-	0.2	-	0.2	-	0.8
	F	80	-	38	1.3	-	1.8	-	-	-	-	-	-	-
Oesophagus cancer	M	218	-	155	4.2	-	8.3	-	-	-	-	-	-	-
	F	53	1	29	0.9	0.0	1.4	-	-	-	-	-	0.3	-
Stomach cancer	M	904	9	523	17.5	0.3	27.6	-	-	0.2	0.2	0.2	0.3	1.4
	F	520	4	260	8.2	0.2	12.4	-	-	-	-	-	0.3	0.8
Colorectal cancer	M	1276	11	700	24.7	0.4	37.6	-	-	-	-	0.5	1.0	1.4
	F	921	9	421	14.5	0.4	20.1	-	-	-	-	0.8	0.3	1.4
Liver cancer	M	578	2	330	11.2	0.1	17.9	-	-	-	0.2	-	-	0.3
	F	387	5	200	6.0	0.2	9.7	0.6	-	-	-	-	-	0.8
Pancreas cancer	M	481	1	314	9.5	0.0	16.9	-	-	-	-	-	-	0.3
	F	378	2	196	6.0	0.1	9.5	-	-	-	-	-	0.3	0.3
Larynx cancer	M	472	1	346	9.2	0.0	18.3	-	-	-	-	-	-	0.3
	F	42	-	23	0.7	-	1.1	-	-	-	-	-	-	-
Lung cancer	M	3586	11	2497	68.9	0.4	131.8	-	-	0.2	-	-	0.5	2.2
	F	972	8	626	16.0	0.3	29.4	-	-	-	-	0.3	-	2.0
Malignant melanoma	M	115	4	83	2.3	0.2	4.0	-	-	-	-	-	0.3	0.8
	F	84	8	47	1.4	0.3	2.1	-	-	-	-	0.5	0.5	1.1
Female breast cancer	M	1600	15	1091	27.7	0.6	50.3	-	-	-	-	0.3	-	3.9
Cervix cancer	F	496	20	333	8.5	0.8	15.0	-	-	-	-	0.3	0.5	4.8
Other uterine cancer	F	335	6	191	5.5	0.2	9.0	-	-	-	-	0.5	0.5	0.6
Ovarian cancer	F	331	9	238	5.6	0.4	11.2	-	-	0.3	-	0.5	0.3	1.4
Prostate cancer	M	646	-	221	13.2	-	12.5	-	-	-	-	-	-	-
Bladder cancer	M	386	1	192	7.6	0.0	10.7	0.3	-	-	-	-	-	-
	F	141	-	46	2.2	-	2.2	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	1958	113	1223	38.5	4.2	64.1	3.6	1.4	3.5	2.1	6.5	4.8	7.3
	F	1752	57	886	28.3	2.3	41.8	2.3	0.9	1.1	1.5	2.1	3.0	5.1
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and non-Hodgkin lymphomas	M	189	11	119	3.5	0.4	6.2	-	0.6	0.5	0.2	0.7	0.3	0.5
	F	162	9	97	2.6	0.3	4.6	-	-	0.5	0.3	0.5	0.8	0.3
Leukaemia	M	286	41	147	5.5	1.5	7.6	0.6	1.7	1.7	1.9	1.5	1.3	1.9
	F	221	26	115	3.7	1.0	5.4	0.6	0.9	0.3	0.5	1.3	1.6	2.0
Diabetes	M	1240	9	645	24.5	0.3	35.1	0.3	-	-	-	0.5	0.8	0.8
	F	1666	21	589	25.2	0.8	28.8	-	-	0.3	0.8	1.3	1.4	2.0
ALL VASCULAR DISEASE	M	31567	176	12510	673.5	6.5	677.0	3.9	0.8	2.0	4.3	8.5	10.7	15.4
	F	34420	116	7954	562.1	4.6	384.5	3.2	0.9	3.5	2.5	3.4	6.5	12.1
Rheumatic heart disease and fever	M	96	4	50	1.9	0.1	2.6	-	-	-	0.5	-	0.5	-
	F	117	6	56	2.0	0.2	2.7	-	-	0.5	-	-	-	1.1
Hypertensive disease	M	619	2	257	13.0	0.1	13.8	-	-	-	-	0.2	-	0.3
	F	890	-	215	14.3	-	10.3	-	-	-	-	-	-	-
Ischaemic heart disease	M	7763	52	4271	157.9	1.9	226.5	-	-	-	0.9	1.0	4.3	7.3
	F	5613	13	1846	89.5	0.5	89.2	-	-	-	0.3	-	1.6	1.7
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	8616	42	3442	178.2	1.5	188.4	0.6	0.3	1.0	0.9	2.7	2.3	3.0
	F	10644	39	2938	167.2	1.6	141.7	1.6	0.6	0.8	0.5	1.3	2.4	3.7
Other vascular disease, incl. venous	M	14473	76	4490	322.5	2.8	245.7	3.3	0.6	1.0	1.9	4.6	3.6	4.9
	F	17156	58	2899	289.1	2.3	140.6	1.6	0.3	2.1	1.8	2.1	2.4	5.6
Chronic obstructive pulmonary disease	M	1931	8	751	38.9	0.3	42.1	0.3	0.3	0.5	-	0.5	0.5	-
	F	1058	7	307	17.0	0.3	14.9	-	-	-	0.5	0.8	0.3	0.3
Other respiratory disease	M	1260	137	463	26.7	5.6	24.8	25.9	4.7	1.2	2.4	2.9	0.8	1.1
	F	1066	116	253	18.2	5.2	12.2	28.2	3.0	0.8	2.0	0.3	0.8	1.1
Peptic ulcer	M	362	6	174	7.2	0.2	9.4	-	-	0.2	0.2	0.5	0.3	0.3
	F	210	1	73	3.2	0.0	3.5	-	-	-	-	0.3	-	-
Liver cirrhosis & other liver disease	M	880	18	659	17.2	0.7	33.9	0.3	-	0.2	0.7	0.5	1.5	1.4
	F	323	8	197	5.2	0.3	9.4	-	0.3	-	0.3	-	0.5	1.1
Renal disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth	F	7	3	4	0.1	0.1	0.2	-	-	-	-	0.5	0.3	-
Congenital and perinatal causes	M	810	797	11	19.4	34.2	0.5	236.4	1.7	0.5	0.2	-	0.3	0.3
	F	557	544	11	14.2	25.0	0.5	170.9	1.2	0.5	0.8	1.0	0.5	0.3
Ill-defined causes	M	5322	417	2327	115.6	15.9	118.9	33.1	4.4	4.2	6.9	16.3	22.7	24.1
	F	4700	207	1094	82.1	8.6	51.7	25.2	2.1	4.0	3.8	6.7	8.1	10.1
Other medical causes	M	2874	161	1417	58.0	6.1	73.2	12.3	2.5	2.5	5.5	4.6	7.9	7.6
	F	2398	119	972	38.2	4.8	46.1	8.1	2.4	3.2	4.1	4.7	5.4	5.6
ALL NON-MEDICAL CAUSES	M	3401	844	1855	65.8	30.7	87.7	10.8	8.3	8.9	33.2	53.6	47.5	52.7
	F	1243	233	583	21.5	9.1	26.9	7.4	3.9	5.1	9.7	13.5	10.3	14.1
Motor vehicle traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Suicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Homicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
POPULATION:														
(1000s; UN, 2002 revision)			M=male		5249.3	2691.7	2208.2	332.5	360.8	402.4	422.0	412.3	391.8	369.9
			F=female		5305.9	2523.7	2283.3	309.0	336.5	374.8	393.4	385.5	368.8	355.7

2000: SERBIA and MONTENEGRO

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
199.7	355.7	597.8	1026.6	1620.3	2549.5	4125.6	6059.3	8934.4	15974.9	M	ALL CAUSES	001-999/A00-Y89
106.9	173.5	310.5	490.5	826.5	1371.7	2395.5	4163.9	7325.0	16691.2	F		
3.0	4.5	4.2	7.1	10.8	14.8	19.8	24.9	24.7	25.1	M	Tuberculosis	010-018/A15-A19
0.9	1.1	0.8	1.5	0.8	3.8	5.8	8.6	13.1	12.6	F		
1.6	1.3	1.5	0.6	1.7	0.8	0.8	-	-	-	M	HIV	279.5, 279.6/B20-B24
0.6	0.3	-	-	-	-	-	-	-	-	F		
0.5	2.1	2.5	4.3	4.5	7.4	11.2	8.3	12.4	23.5	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.7	0.6	1.5	2.4	3.8	4.8	6.2	4.1	8.1	14.7	F		
28.2	69.5	159.2	295.9	441.3	669.8	987.2	1187.4	1272.8	1017.2	M	ALL CANCER	140-208/C00-C97
42.0	79.3	131.5	192.2	272.4	377.2	493.1	606.3	749.5	820.4	F		
1.1	5.1	6.7	14.8	22.3	28.0	27.7	28.8	20.0	26.6	M	Mouth and pharynx cancer	140-149/C00-C14
-	0.3	1.0	3.1	1.9	2.0	4.1	5.4	11.2	11.6	F		
0.3	0.5	4.0	5.6	11.2	17.5	19.0	19.4	19.0	12.5	M	Oesophagus cancer	150/C15
0.3	0.3	0.3	1.8	1.5	1.0	4.5	4.5	3.1	7.4	F		
1.9	6.1	11.4	22.9	28.5	48.3	74.4	100.3	133.1	79.9	M	Stomach cancer	151/C16
2.0	1.9	5.5	6.7	15.0	22.5	33.3	43.7	59.0	57.8	F		
1.6	5.6	15.1	24.1	36.8	66.6	113.2	150.2	196.8	136.4	M	Colorectal cancer	153, 154/C18-C21
2.9	3.0	8.5	11.6	20.0	38.9	55.7	79.1	110.6	127.1	F		
0.3	2.1	6.4	10.2	20.7	35.0	50.4	69.3	79.8	58.0	M	Liver cancer	155.0, 155.1/C22
0.6	1.4	4.0	3.1	13.1	17.4	28.2	37.9	39.2	28.4	F		
1.4	3.7	4.4	11.4	24.8	30.8	41.7	49.3	45.6	45.5	M	Pancreas cancer	157/C25
-	1.7	2.3	6.4	11.5	16.7	27.8	34.6	33.6	44.1	F		
0.3	2.7	7.4	18.2	22.7	32.7	44.2	39.9	31.4	31.3	M	Larynx cancer	161/C32
0.6	0.3	0.8	0.9	1.9	1.4	1.7	3.3	4.4	4.2	F		
7.4	23.8	61.1	109.3	155.1	237.1	328.9	365.9	297.5	164.6	M	Lung cancer	162/C33, C34
3.7	9.9	18.0	24.7	38.5	47.5	63.6	65.9	77.1	56.7	F		
1.6	1.9	2.7	5.9	4.5	5.1	6.6	7.8	9.5	6.3	M	Malignant melanoma	172/C43
1.4	1.4	1.5	3.1	1.2	3.8	2.4	5.4	5.0	8.4	F		
12.3	24.0	37.8	59.2	68.9	72.8	77.0	80.7	101.9	140.8	F	Female breast cancer	174/C50
7.4	10.5	13.8	17.4	16.5	19.8	19.2	28.8	32.3	22.1	F	Cervix cancer	180/C53
1.4	2.8	3.8	7.3	10.0	15.4	22.7	28.4	21.8	35.7	F	Other uterine cancer	179, 182/C54, C55
2.6	3.9	7.5	8.8	16.9	17.1	21.3	16.5	20.5	11.6	F	Ovarian cancer	183.0/C56
0.3	-	1.2	4.3	9.1	21.8	50.8	88.1	144.5	178.7	M	Prostate cancer	185/C61
-	0.8	2.0	3.7	8.7	20.2	39.7	49.9	58.9	64.3	M	Bladder cancer	188/C67
0.3	-	0.8	1.8	0.8	7.2	4.5	14.4	19.9	29.4	F		
9.6	12.3	29.2	57.1	81.9	105.1	153.3	172.9	183.5	183.4	M	Other and ill-defined cancer sites	Rest of 140-199/rest of C00-C80, C97
4.3	13.8	21.5	28.4	43.1	73.5	108.2	131.0	178.4	214.3	F	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	M		
1.1	0.8	4.0	4.6	4.5	10.5	17.8	17.2	22.8	6.3	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/C82-C85, C90
0.9	1.1	2.8	2.4	5.0	12.3	7.6	10.7	13.7	8.4	F		
1.4	4.0	3.7	3.7	10.3	10.9	19.4	28.3	30.4	23.5	M	Leukaemia	204-208/C91-C95
1.4	3.0	2.0	5.5	6.5	7.9	11.3	16.1	18.0	12.6	F		
3.3	4.5	9.6	19.5	38.5	59.6	110.7	153.5	172.1	200.6	M	Diabetes	250/E10-E14
1.1	3.9	3.5	8.2	28.9	58.4	97.6	182.5	236.2	244.7	F		
50.9	112.2	207.9	387.9	711.3	1197.4	2071.1	3358.6	5468.6	11079.9	M	ALL VASCULAR DISEASE	390-459/I00-I99
22.6	45.3	96.8	179.4	345.1	664.8	1337.8	2626.0	5078.3	12398.1	F		
0.8	1.1	0.7	0.9	3.7	5.1	6.2	9.4	18.1	9.4	M	Rheumatic heart disease and fever	390-398/I00-I09
-	0.8	0.8	2.4	4.6	4.8	5.5	8.2	11.2	17.9	F		
1.4	1.3	4.7	12.0	14.5	21.0	41.3	73.7	102.7	186.5	M	Hypertensive disease	401-404/I10-I13
0.6	3.0	3.8	3.7	8.8	18.1	34.0	65.9	147.9	291.0	F		
21.1	48.6	90.2	168.6	279.6	407.3	569.8	788.8	992.4	1525.1	M	Ischaemic heart disease	410-414/I20-I25
4.9	12.2	25.0	39.4	88.9	169.1	285.2	479.4	753.3	1447.5	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
12.3	30.2	48.0	80.9	182.4	345.4	619.8	1031.0	1622.6	2453.0	M	Cerebrovascular disease	430-438/I60-I69
9.1	17.1	37.0	73.5	122.0	237.8	495.5	940.7	1704.2	2774.2	F		
15.3	31.0	64.3	125.4	231.2	418.6	833.9	1455.7	2732.9	6906.0	M	Other vascular disease, incl. venous	Rest of 390-459/rest of I00-I99
8.0	12.2	30.3	60.4	120.8	235.1	517.5	1131.8	2461.8	7867.6	F		
1.6	2.7	6.4	13.3	31.0	70.9	169.0	256.7	385.0	476.5	M	Chronic obstructive pulmonary disease	490-494, 496/J40-J47
1.1	1.7	3.3	7.6	16.9	27.7	46.0	90.6	149.2	298.3	F		
3.8	4.5	7.2	15.4	21.1	48.7	73.1	117.0	207.2	362.1	M	Other respiratory disease	Rest of 460-519/rest of J00-J98
2.3	1.4	3.5	5.5	13.1	20.2	39.5	74.1	139.8	306.7	F		
1.9	1.3	2.2	5.9	9.5	13.6	31.4	38.2	71.3	59.6	M	Peptic ulcer	531-533/K25-K27
0.3	-	1.5	1.2	3.5	7.2	11.0	17.7	35.4	37.8	F		
2.2	12.8	19.0	32.1	50.5	53.3	67.4	63.7	63.7	32.9	M	Liver cirrhosis & other liver disease	570-573/K70-K76
1.1	2.5	3.3	5.5	11.5	17.1	25.1	25.5	19.9	25.2	F		
...	...	...	...	...	...	...	...	...	...	M	Renal disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
1.1	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/O00-O99
0.5	0.5	0.5	0.3	-	0.4	1.2	-	-	3.1	M	Congenital and perinatal causes	740-779/P00-P96, Q00-Q99
0.3	-	0.8	0.6	0.4	0.7	0.7	0.8	-	-	F		
28.5	45.7	66.7	99.1	132.8	188.1	271.5	384.1	635.0	1907.5	M	Ill-defined causes	780-799/R00-R99
11.7	14.4	25.0	34.2	53.5	81.0	141.9	262.8	520.8	2020.0	F		
14.8	25.4	35.1	59.9	73.6	127.7	176.0	284.4	426.8	523.5	M	Other medical causes	Rest of 001-799/rest of A00-R99
6.9	10.2	21.3	29.6	44.2	67.0	143.6	195.6	293.3	378.2	F		
58.6	68.4	75.6	85.2	93.9	97.0	135.1	182.4	194.9	263.3	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
13.1	13.0	18.0	22.6	32.3	42.0	47.1	69.2	81.4	134.5	F		
...	...	...	...	...	...	...	...	...	...	M	Motor vehicle traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Fire	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Suicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Homicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
365.1	374.2	404.5	323.8	241.8	256.8	242.0	180.4	105.2	63.8	M	POPULATION	
350.0	361.9	400.0	327.8	259.9	292.7	291.0	242.8	160.9	95.2	F	(1000s; UN, 2002 revision)	

SERBIA and MONTENEGRO: 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & other liver	Other medical	Non-medical
1995												
0-34	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
35-69	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
70+	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
Any age	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2883	210	11	6	193	8	137	176	18	1490	844
35-69	Sm.	9815	3565	2335	543	687	592	144	3891	-	1623	-
	Total	28251 (35%)	7141 (50%)	2497 (94%)	792 (69%)	3852 (18%)	751 (79%)	463 (31%)	12510 (31%)	659	4872 (33%)	1855
70+	Sm.	4344	1353	946	144	263	752	61	1732	-	446	-
	Total	30522 (14%)	4130 (33%)	1078 (88%)	278 (52%)	2774 (9%)	1172 (64%)	660 (9%)	18881 (9%)	203	4774 (9%)	702
Any age	Sm.	14159	4918	3281	687	950	1344	205	5623	-	2069	-
	Total	61656 (23%)	11481 (43%)	3586 (91%)	1076 (64%)	6819 (14%)	1931 (70%)	1260 (16%)	31567 (18%)	880	11136 (19%)	3401

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)														
1995		...	...	...	...	...	...	...	...	...	...	...	...	...
2000		5249.3	2691.7	2208.2	365.1	374.2	404.5	323.8	241.8	256.8	242.0	180.4	105.2	63.8
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		...	...	...	...	...	...	...	...	...	...	...	...	...
2000		61656	2883	28251	729	1331	2418	3324	3918	6547	9984	10931	9399	10192
Lung cancer														
1995		...	...	...	...	...	...	...	...	...	...	...	...	...
2000		3586	11	2497	27	89	247	354	375	609	796	660	313	105
ANNUAL DEATH RATE / 100,000														
All causes					(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)									
1995		...	...	...	...	...	...	...	...	...	...	...	...	...
2000		1280.9*	112.5*	1496.4*	199.7	355.7	597.8	1026.6	1620.3	2549.5	4125.6	6059.3	8934.4	15974.9
All cancer														
1995		...	...	...	...	...	...	...	...	...	...	...	...	...
2000		223.4*	7.8*	378.7*	28.2	69.5	159.2	295.9	441.3	669.8	987.2	1187.4	1272.8	1017.2
Lung cancer														
1995		...	...	...	...	...	...	...	...	...	...	...	...	...
2000		68.9*	0.4*	131.8*	7.4	23.8	61.1	109.3	155.1	237.1	328.9	365.9	297.5	164.6
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		...	...	...	...	...	...	...	...	...	...	...	...	...
2000		21.2*	0.2*	41.7*	1.6	8.3	18.0	38.6	56.2	78.3	90.9	88.1	70.3	70.5
Other cancer														
1995		...	...	...	...	...	...	...	...	...	...	...	...	...
2000		133.4*	7.1*	205.2*	19.2	37.4	80.1	147.9	229.9	354.4	567.4	733.4	904.9	782.1
Chronic obstructive pulmonary disease (COPD)														
1995		...	...	...	...	...	...	...	...	...	...	...	...	...
2000		38.9*	0.3*	42.1*	1.6	2.7	6.4	13.3	31.0	70.9	169.0	256.7	385.0	476.5
Other respiratory disease														
1995		...	...	...	...	...	...	...	...	...	...	...	...	...
2000		26.7*	5.6*	24.8*	3.8	4.5	7.2	15.4	21.1	48.7	73.1	117.0	207.2	362.1
Vascular disease														
1995		...	...	...	...	...	...	...	...	...	...	...	...	...
2000		673.5*	6.5*	677.0*	50.9	112.2	207.9	387.9	711.3	1197.4	2071.1	3358.6	5468.6	11079.9
Liver cirrhosis and other liver disease														
1995		...	...	...	...	...	...	...	...	...	...	...	...	...
2000		17.2*	0.7*	33.9*	2.2	12.8	19.0	32.1	50.5	53.3	67.4	63.7	63.7	32.9
Other medical causes														
1995		...	...	...	...	...	...	...	...	...	...	...	...	...
2000		235.4*	61.0*	252.2*	54.2	85.5	122.4	196.7	271.3	412.4	622.7	893.6	1342.2	2742.9
All non-medical causes														
1995		...	...	...	...	...	...	...	...	...	...	...	...	...
2000		65.8*	30.7*	87.7*	58.6	68.4	75.6	85.2	93.9	97.0	135.1	182.4	194.9	263.3

2000: SERBIA and MONTENEGRO

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & other liver	Other medical	Non-medical
1995												
0-34	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
35-69	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
70+	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
Any age	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1650	179	8	1	170	7	116	116	8	991	233
35-69	Sm.	2150	550	435	33	82	167	33	1018	-	382	-
	Total	16986 (13%)	4837 (11%)	626 (69%)	90 (37%)	4121 (2%)	307 (54%)	253 (13%)	7954 (13%)	197	2855 (13%)	583
70+	Sm.	1603	247	192	21	34	313	23	826	-	194	-
	Total	37786 (4%)	3459 (7%)	338 (57%)	84 (25%)	3037 (1%)	744 (42%)	697 (3%)	26350 (3%)	118	5991 (3%)	427
Any age	Sm.	3753	797	627	54	116	480	56	1844	-	576	-
	Total	56422 (7%)	8475 (9%)	972 (65%)	175 (31%)	7328 (2%)	1058 (45%)	1066 (5%)	34420 (5%)	323	9837 (6%)	1243

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	5305.9	2523.7	2283.3	350.0	361.9	400.0	327.8	259.9	292.7	291.0	242.8	160.9	95.2	
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	56422	1650	16986	374	628	1242	1608	2148	4015	6971	10110	11786	15890	
Lung cancer														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	972	8	626	13	36	72	81	100	139	185	160	124	54	
ANNUAL DEATH RATE / 100,000														
All causes														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	931.9*	70.1*	810.7*	106.9	173.5	310.5	490.5	826.5	1371.7	2395.5	4163.9	7325.0	16691.2	
All cancer														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	139.2*	7.1*	226.8*	42.0	79.3	131.5	192.2	272.4	377.2	493.1	606.3	749.5	820.4	
Lung cancer														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	16.0*	0.3*	29.4*	3.7	9.9	18.0	24.7	38.5	47.5	63.6	65.9	77.1	56.7	
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	2.9*	0.0*	4.2*	0.9	0.8	2.0	5.8	5.4	4.4	10.3	13.2	18.6	23.1	
Other cancer														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	120.3*	6.7*	193.2*	37.4	68.5	111.5	161.7	228.5	325.2	419.2	527.2	653.8	740.5	
Chronic obstructive pulmonary disease (COPD)														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	17.0*	0.3*	14.9*	1.1	1.7	3.3	7.6	16.9	27.7	46.0	90.6	149.2	298.3	
Other respiratory disease														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	18.2*	5.2*	12.2*	2.3	1.4	3.5	5.5	13.1	20.2	39.5	74.1	139.8	306.7	
Vascular disease														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	562.1*	4.6*	384.5*	22.6	45.3	96.8	179.4	345.1	664.8	1337.8	2626.0	5078.3	12398.1	
Liver cirrhosis and other liver disease														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	5.2*	0.3*	9.4*	1.1	2.5	3.3	5.5	11.5	17.1	25.1	25.5	19.9	25.2	
Other medical causes														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	168.6*	43.5*	136.0*	24.6	30.4	54.3	77.8	135.1	222.8	406.9	672.2	1106.9	2708.0	
All non-medical causes														
1995	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	21.5*	9.1*	26.9*	13.1	13.0	18.0	22.6	32.3	42.0	47.1	69.2	81.4	134.5	

SERBIA and MONTENEGRO: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 2.9	– / 1.6	–
35–69	9.8 / 28	2.2 / 17	20 years
70+	4.3 / 31	1.6 / 38	9 years
All ages	14 / 62	3.8 / 56	16 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

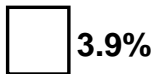
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	2.3/2.5	0.9/1.1	3.3/3.6	–/0.0	0.4/0.6	0.2/0.3	0.6/1.0
All Cancer	–/0.2	3.6/7.1 (50%)	1.4/4.1 (33%)	4.9/11	–/0.2	0.6/4.8 (11%)	0.2/3.5 (7%)	0.8/8.5
Vascular	–/0.2	3.9/13	1.7/19	5.6/32	–/0.1	1.0/8.0	0.8/26	1.8/34
Respiratory	–/0.1	0.7/1.2	0.8/1.8	1.5/3.2	–/0.1	0.2/0.6	0.3/1.4	0.5/2.1
All Other	–/2.4	1.6/7.4	0.4/5.7	2.1/15	–/1.2	0.4/3.6	0.2/6.5	0.6/11
All Causes	–/2.9	9.8/28 (35%)	4.3/31 (14%)	14/62	–/1.6	2.2/17 (13%)	1.6/38 (4%)	3.8/56

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	4.9 / 11 (43%)	0.8 / 8.5 (9%)	5.7 / 20 (29%)
All Causes	14 / 62 (23%)	3.8 / 56 (7%)	18 / 118 (15%)

2000: SERBIA and MONTENEGRO

Population risk of dying at ages 0–34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE

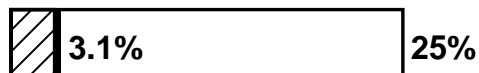
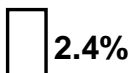
2000



*At year 2000 male death rates, out of 100 men aged 35, 41 would die before age 70 (with 14 of these deaths attributed to smoking)

FEMALE

2000



SLOVAKIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	28157	1424	13004	1330.5	106.2	1616.5	228.6	20.7	29.9	58.0	109.3	125.9	171.2
	F	24567	576	5937	761.3	47.4	622.8	160.9	19.4	14.6	33.5	26.6	38.0	39.1
Tuberculosis	M	38	2	24	1.8	0.2	2.8	-	-	-	-	-	-	1.1
	F	16	1	3	0.5	0.1	0.4	-	-	-	-	-	-	0.6
HIV	M	2	1	1	0.1	0.1	0.1	-	-	-	-	-	0.5	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	56	12	28	2.7	1.1	3.5	6.8	-	-	-	-	-	1.1
	F	56	12	12	2.0	1.1	1.3	5.7	0.6	0.5	0.5	-	0.5	-
ALL CANCER	M	6985	106	3932	328.0	7.5	506.9	5.4	1.1	4.3	4.4	7.5	12.5	17.2
	F	4886	83	2267	158.9	6.1	230.7	2.1	4.0	2.5	3.7	3.4	10.4	16.5
Mouth and pharynx cancer	M	511	1	426	22.7	0.1	46.1	-	-	-	-	0.4	-	-
	F	46	-	28	1.6	-	2.5	-	-	-	-	-	-	-
Oesophagus cancer	M	230	1	187	10.5	0.1	22.1	-	-	-	-	-	-	0.5
	F	23	-	13	0.8	-	1.2	-	-	-	-	-	-	-
Stomach cancer	M	517	9	252	24.2	0.6	32.9	-	-	-	-	0.4	1.8	2.2
	F	318	3	86	9.7	0.2	9.0	-	-	-	-	-	0.9	0.6
Colorectal cancer	M	1009	5	469	48.2	0.4	64.0	0.7	-	-	-	-	0.9	1.1
	F	713	4	264	22.5	0.3	27.8	-	-	-	-	0.4	0.9	0.6
Liver cancer	M	202	2	118	9.6	0.2	15.2	0.7	-	-	-	-	0.5	-
	F	145	-	58	4.6	-	6.3	-	-	-	-	-	-	-
Pancreas cancer	M	318	2	181	14.9	0.2	23.2	-	-	-	-	-	-	1.1
	F	258	-	111	8.3	-	11.8	-	-	-	-	-	-	-
Larynx cancer	M	190	-	155	8.7	-	18.4	-	-	-	-	-	-	-
	F	12	-	9	0.5	-	0.9	-	-	-	-	-	-	-
Lung cancer	M	1887	3	1173	89.1	0.2	158.3	-	-	-	-	-	0.9	0.5
	F	362	-	193	11.8	-	19.4	-	-	-	-	-	-	-
Malignant melanoma	M	83	2	46	3.8	0.1	5.4	-	-	-	-	-	0.5	0.5
	F	83	2	45	2.8	0.1	4.4	-	-	-	-	-	0.5	0.6
Female breast cancer	F	799	9	446	26.8	0.7	44.2	-	-	-	-	-	0.9	3.9
Cervix cancer	F	220	7	146	7.6	0.5	13.4	-	-	-	-	-	0.9	2.8
Other uterine cancer	F	250	3	105	7.9	0.2	11.3	-	-	-	-	0.4	-	1.1
Ovarian cancer	F	271	4	178	9.4	0.3	18.1	-	-	-	-	-	0.9	1.1
Prostate cancer	M	537	-	130	27.0	-	19.2	-	-	-	-	-	-	-
Bladder cancer	M	178	-	66	8.7	-	9.8	-	-	-	-	-	-	-
	F	57	-	17	1.7	-	1.8	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	931	48	528	42.5	3.4	65.9	2.7	0.5	2.4	3.1	3.7	4.6	6.5
	F	974	32	407	31.4	2.4	42.1	1.4	2.3	1.5	2.7	2.1	1.4	5.0
Hodgkin's disease	M	27	7	16	1.2	0.5	2.0	-	-	-	-	1.2	1.4	0.5
	F	27	3	13	0.9	0.2	1.5	-	-	-	-	-	1.4	-
Myeloma and non- Hodgkin lymphomas	M	180	6	93	8.4	0.4	11.9	-	-	0.5	-	0.4	0.9	1.1
	F	186	4	84	6.0	0.3	8.7	-	-	0.5	-	-	1.4	-
Leukaemia	M	185	20	92	8.5	1.4	12.4	1.4	0.5	1.4	1.3	1.2	0.9	3.2
	F	142	12	64	4.7	0.9	6.3	0.7	1.7	0.5	0.9	0.4	0.9	1.1
Diabetes	M	320	-	157	14.9	-	20.2	-	-	-	-	-	-	-
	F	438	1	115	13.2	0.1	12.8	-	-	-	-	-	0.5	-
ALL VASCULAR DISEASE	M	13558	84	5005	663.5	5.8	662.3	2.7	0.5	1.4	3.1	9.1	8.3	15.6
	F	15325	35	2309	458.6	2.7	256.3	4.3	1.1	0.5	0.9	2.6	3.3	6.1
Rheumatic heart disease and fever	M	41	1	23	1.9	0.1	3.1	-	-	-	-	-	0.5	-
	F	79	2	42	2.6	0.1	4.7	-	-	-	-	0.4	0.5	-
Hypertensive disease	M	1504	1	690	72.6	0.1	92.7	-	-	-	-	-	0.5	-
	F	1878	1	396	56.4	0.1	43.7	-	-	-	-	-	-	0.6
Ischaemic heart disease	M	7476	18	2672	367.8	1.3	357.6	-	-	-	-	1.2	2.3	5.4
	F	8212	3	1130	245.7	0.2	126.8	-	-	-	-	-	0.9	0.6
Pulmonary embolism and other venous	M	450	7	182	21.6	0.5	22.8	-	-	-	0.4	0.8	0.9	1.1
	F	528	6	117	16.0	0.5	12.4	0.7	-	-	-	-	0.9	1.7
Cerebrovascular disease	M	2140	13	700	104.1	0.9	94.1	-	0.5	1.0	0.4	1.7	1.4	1.1
	F	2537	4	336	74.6	0.3	37.5	-	-	-	-	0.4	0.5	1.1
Other vascular disease	M	1947	44	738	95.5	3.1	92.0	2.7	-	0.5	2.2	5.4	2.8	8.1
	F	2091	19	288	63.2	1.5	31.3	3.5	1.1	0.5	0.9	1.7	0.5	2.2
Chronic obstructive pulmonary disease	M	589	3	196	28.9	0.2	26.5	-	-	-	0.4	-	0.5	0.5
	F	288	-	55	8.8	-	5.9	-	-	-	-	-	-	-
Other respiratory disease	M	1049	74	319	51.5	6.3	40.0	31.2	1.1	1.4	1.3	3.7	2.3	3.2
	F	983	32	145	30.5	2.9	15.5	14.2	2.3	0.5	0.9	0.4	0.9	1.1
Peptic ulcer	M	167	1	95	7.9	0.1	11.5	-	-	-	0.4	-	-	-
	F	101	1	28	3.1	0.1	2.8	-	-	-	-	-	-	0.6
Liver cirrhosis	M	965	24	818	42.7	1.8	90.8	0.7	-	-	0.4	-	2.3	9.2
	F	296	4	233	10.7	0.3	22.3	-	-	-	-	0.4	0.9	0.6
Renal disease	M	320	2	166	15.3	0.2	20.8	-	-	-	-	-	-	1.1
	F	285	5	93	8.8	0.4	9.8	0.7	-	-	0.5	0.4	0.9	-
Pregnancy, birth Congenital and perinatal causes	F	1	1	-	0.0	0.1	-	-	-	-	0.5	-	-	-
	M	227	217	8	12.0	20.7	0.9	140.4	1.6	1.4	-	1.2	0.5	-
	F	168	163	4	9.2	16.1	0.4	106.3	2.3	0.5	1.8	0.4	-	1.7
Ill-defined causes	M	373	69	212	16.1	5.0	21.8	7.5	-	-	0.9	6.6	7.8	12.4
	F	219	27	52	7.1	2.2	5.2	7.1	1.1	0.5	1.4	1.7	3.3	-
Other medical causes	M	1057	120	577	47.8	9.0	65.7	18.3	3.3	4.8	7.0	5.8	7.8	16.2
	F	842	76	302	27.4	5.8	31.0	12.0	4.6	6.0	5.0	3.9	7.1	2.2
ALL NON- MEDICAL CAUSES	M	2451	709	1466	97.5	48.2	142.8	15.6	13.1	16.4	40.0	75.3	83.5	93.7
	F	663	135	319	22.6	9.6	28.6	8.5	3.4	3.5	18.3	13.3	10.0	9.9
Motor vehicle traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	30	5	17	1.3	0.4	1.5	0.7	1.1	-	0.4	-	0.5	-
	F	24	5	11	0.8	0.4	0.9	1.4	1.1	-	0.5	-	-	-
Suicide	M	594	152	376	23.3	10.1	35.2	-	-	1.4	6.6	21.1	20.8	20.5
	F	135	17	94	4.8	1.1	8.1	-	-	0.5	1.8	2.1	1.9	1.7
Homicide	M	90	35	52	3.4	2.4	4.8	-	0.5	0.5	1.3	2.1	5.5	7.0
	F	28	9	12	1.0	0.7	1.0	0.7	-	0.5	1.4	0.4	0.5	1.1
POPULATION: (1000s; UN, 2002 revision)			M=male		2620.9	1410.1	1061.6	147.4	183.4	207.5	227.7	241.6	216.8	185.7
			F=female		2770.0	1358.6	1153.1	141.1	175.0	199.1	218.2	233.0	210.6	181.6

2000: SLOVAKIA

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
237.9	421.9	736.5	1223.0	1759.7	2810.9	4125.7	6097.5	8799.6	16139.0	M	ALL CAUSES	001-999/A00-Y89
85.8	152.9	253.5	396.2	622.3	1064.8	1784.1	3134.6	5639.2	15276.6	F	Tuberculosis	010-018, 137/ A15-A19, B90
-	1.0	2.9	1.9	3.4	4.2	5.9	1.5	4.1	27.2	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.5	1.0	1.0	1.9	4.3	12.6	3.5	11.8	8.3	12.1	F	ALL CANCER	140-208/C00-C97
-	0.5	-	0.6	2.2	2.5	3.4	7.5	6.9	28.1	F	Mouth and pharynx cancer	140-149/C00-C14
24.9	81.7	192.3	390.1	576.8	926.5	1356.1	1670.6	2053.7	2483.4	M	Oesophagus cancer	150/C15
32.6	70.6	131.8	179.8	255.5	386.4	558.0	728.0	941.6	1460.9	F	Stomach cancer	151/C16
2.0	19.8	43.7	69.3	48.9	77.7	61.1	57.6	53.7	57.4	M	Colorectal cancer	153, 154/C18-C21
0.5	1.9	2.9	4.7	2.2	3.3	1.7	2.8	8.0	12.5	F	Liver cancer	155.0, 155.1/C22
1.5	3.9	13.7	28.0	29.2	31.5	47.0	26.6	28.9	30.2	M	Pancreas cancer	157/C25
0.5	1.0	1.0	-	4.4	0.8	0.8	2.8	3.4	6.3	F	Larynx cancer	161/C32
2.5	4.8	8.8	26.0	36.1	66.2	85.8	150.7	190.1	187.3	M	Lung cancer	162/C33, C34
0.5	2.4	4.8	5.9	8.0	14.8	26.2	57.0	82.5	150.0	F	Malignant melanoma	172/C43
2.5	7.2	14.7	34.3	69.5	116.6	203.3	288.0	374.0	480.4	M	Female breast cancer	174/C50
1.0	5.8	14.4	16.6	24.7	59.1	72.8	105.6	164.9	293.8	F	Cervix cancer	180/C53
0.5	1.9	6.4	12.1	18.0	28.4	38.8	39.9	53.7	87.6	F	Other uterine cancer	179, 182/C54, C55
0.5	0.5	1.4	3.5	6.6	14.8	16.9	26.2	34.4	45.3	F	Ovarian cancer	183.0/C56
0.5	2.4	9.3	21.0	28.3	41.0	59.9	73.9	107.4	99.7	M	Prostate cancer	185/C61
-	2.4	4.3	7.7	16.0	20.5	31.3	46.7	53.8	78.1	F	Bladder cancer	188/C67
1.0	4.3	10.8	20.3	25.8	31.5	35.3	22.2	28.9	18.1	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
-	0.5	-	1.2	1.5	3.3	-	0.9	1.1	1.6	F	Hodgkin's disease	201/C81
3.6	14.0	38.8	101.0	187.1	305.7	458.3	494.8	477.3	438.1	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.6	8.3	15.4	10.6	17.5	33.6	49.1	44.9	68.7	95.3	F	Leukaemia	204-208/C91-C95
1.0	1.4	3.4	5.1	7.7	7.4	11.8	25.1	16.5	30.2	M	Diabetes	250/E10-E14
1.0	1.9	3.8	4.1	2.9	8.2	8.5	4.7	10.3	34.4	F	ALL VASCULAR DISEASE	390-459/I00-199
6.2	15.6	29.3	44.4	55.3	60.7	98.2	100.0	123.7	201.6	M	Rheumatic heart disease and fever	390-398/I00-109
5.7	7.3	17.8	12.4	8.7	23.8	17.8	29.9	19.5	28.1	M	Hypertensive disease	401-405/I10-I15
1.0	1.9	3.8	5.9	11.6	18.9	35.6	50.5	56.1	60.9	F	Ischaemic heart disease	410-414/I20-I25
2.6	5.4	8.7	17.7	21.1	28.7	42.3	29.0	33.2	45.3	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-182
0.5	-	2.5	4.4	18.9	28.4	79.9	127.0	272.7	571.0	M	Cerebrovascular disease	430-438/I60-169
-	-	0.5	3.2	9.4	16.8	38.8	44.3	82.6	126.9	M	Other vascular disease	Rest of 390-459/ rest of I00-199
-	-	1.0	1.2	1.5	-	9.3	11.2	16.0	21.9	F	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
6.6	15.0	29.4	53.4	76.4	119.7	161.0	226.0	264.5	223.6	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
7.8	10.7	14.9	33.7	53.9	65.6	108.4	154.2	202.7	301.6	F	Peptic ulcer	531-533/K25-K27
-	-	1.5	1.9	0.9	6.3	3.5	4.4	-	3.0	M	Liver cirrhosis	571/K70, K74
-	-	-	-	1.5	2.5	6.8	4.7	2.3	6.3	F	Renal disease	580-590/N00-N19
1.0	3.9	3.9	7.6	12.0	24.2	30.6	51.7	49.6	66.5	M	Pregnancy, birth	630-676/A34, O00-O99
1.6	1.9	3.4	6.5	10.2	16.4	21.2	33.6	35.5	48.4	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.5	2.9	4.9	2.5	8.6	25.2	41.1	38.4	53.7	63.4	F	Ill-defined causes	780-799/R00-R99
2.1	2.9	4.8	3.5	8.0	11.5	11.0	23.4	25.2	29.7	M	Other medical causes	Rest of 001-799/ rest of A00-R99
2.5	3.9	7.9	14.0	17.2	39.9	56.4	101.9	121.9	105.7	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
0.5	1.0	2.9	3.5	10.2	32.0	39.8	89.7	124.9	182.8	F	Motor vehicle traffic accidents	Not given separately
40.2	93.3	220.8	418.7	682.4	1210.1	1970.6	3388.5	5252.1	10975.8	M	Fire	E890-E899/X00-X09
9.8	29.7	46.2	109.4	222.0	450.4	926.3	1918.7	3896.9	11759.4	F	Suicide	E950-E959/X60-X84
-	1.0	-	1.9	4.3	8.4	5.9	11.8	16.5	3.0	M	Homicide	E960-E969/ X85-X99, Y00-Y09
-	0.5	1.0	1.2	5.8	10.7	13.5	13.1	14.9	12.5	F	POPULATION (1000s; UN, 2002 revision)	
4.1	9.2	28.0	52.1	103.0	184.9	267.9	366.3	570.2	873.1	M		
1.0	5.4	8.2	22.5	42.9	68.1	157.5	266.4	525.8	1151.6	F		
13.2	46.9	107.0	226.8	363.1	646.0	1099.9	1920.2	2890.5	6305.1	M		
2.6	10.2	19.2	49.1	102.6	234.6	469.1	1013.1	1985.1	6659.4	F		
4.6	6.3	8.3	17.2	24.9	30.5	68.2	96.0	175.6	335.3	M		
2.1	3.4	4.3	7.1	10.2	18.0	41.5	69.2	143.2	321.9	F		
6.1	13.5	32.9	48.3	78.1	176.5	303.2	602.7	933.9	1713.0	M		
0.5	4.4	7.2	12.4	32.8	69.7	135.5	349.5	760.6	1810.9	F		
12.2	16.4	44.7	72.4	109.0	163.9	225.6	391.4	665.3	1746.2	M		
3.6	5.8	6.3	17.1	27.7	49.2	109.2	207.5	467.4	1803.1	F		
1.5	2.4	7.9	13.3	30.9	48.3	81.1	134.4	283.1	489.4	M		
2.1	0.5	0.5	4.1	5.1	9.0	20.3	36.4	63.0	217.2	F		
7.6	8.2	22.6	25.4	34.3	63.0	118.7	203.8	405.0	972.8	M		
2.1	2.4	4.8	9.5	16.0	31.2	42.3	86.9	209.6	828.1	F		
1.0	2.4	6.4	12.1	12.0	22.1	24.7	38.4	37.2	81.6	M		
0.5	-	2.4	4.1	2.2	2.5	7.6	17.8	24.1	50.0	F		
23.9	44.9	60.4	97.2	120.2	157.6	131.6	104.9	68.2	57.4	M		
5.7	11.7	16.8	23.1	29.8	41.8	27.1	25.2	20.6	21.9	F		
2.0	4.3	6.9	19.1	28.3	36.8	48.2	59.1	111.6	175.2	M		
1.0	1.9	4.3	7.1	9.5	13.9	30.5	44.9	73.3	117.2	F		
-	-	-	-	-	-	-	-	-	-	M		
0.5	0.5	-	1.9	-	2.1	1.2	3.0	-	-	F		
-	-	-	0.6	1.5	-	0.8	-	1.1	-	M		
16.3	11.6	20.6	21.6	24.9	21.0	36.4	45.8	47.5	114.8	F		
2.1	1.5	2.4	5.9	4.4	5.7	14.4	24.3	42.4	120.3	F		
20.8	33.8	37.3	62.3	61.8	125.0	118.7	161.0	252.1	389.7	M		
7.2	8.8	14.4	23.1	31.3	56.6	75.4	102.8	161.5	332.8	F		
96.1	132.9	149.2	143.6	163.1	141.8	172.7	172.8	155.0	253.8	M		
22.2	24.4	26.9	25.4	32.8	31.2	37.3	49.5	67.6	151.6	F		
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F		
2.0	1.4	1.5	1.9	1.7	1.1	1.2	3.0	4.1	12.1	M		
1.6	1.5	1.0	-	-	-	2.5	4.7	-	4.7	F		
21.4	38.7	38.8	46.4	42.1	26.3	32.9	45.8	41.3	45.3	M		
7.2	8.3	8.2	9.5	9.5	7.4	6.8	8.4	8.0	12.5	F		
4.1	4.8	6.4	4.4	5.2	5.3	3.5	3.0	-	3.0	M		
1.0	0.5	1.4	2.4	-	0.8	0.8	1.9	2.3	4.7	F		
196.7	206.9	203.8	157.4	116.5	95.2	85.1	67.7	48.4	33.1	M		
193.4	205.3	207.9	169.1	137.4	121.9	118.1	107.0	87.3	64.0	F		

SLOVAKIA: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1578	118	2	4	112	4	100	102	19	478	757
35-69	Sm.	5132	2243	1251	555	437	105	206	2133	-	445	-
	Total	13226 (39%)	3956 (57%)	1315 (95%)	736 (75%)	1905 (23%)	124 (85%)	516 (40%)	5469 (39%)	633	1064 (42%)	1464
70+	Sm.	2242	886	566	105	215	118	111	1022	-	105	-
	Total	13321 (17%)	2525 (35%)	622 (91%)	177 (59%)	1726 (12%)	168 (70%)	977 (11%)	8309 (12%)	126	820 (13%)	396
Any age	Sm.	7374	3129	1817	660	652	223	317	3155	-	550	-
	Total	28125 (26%)	6599 (47%)	1939 (94%)	917 (72%)	3743 (17%)	296 (75%)	1593 (20%)	13880 (23%)	778	2362 (23%)	2617
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1424	106	3	2	101	3	74	84	24	424	709
35-69	Sm.	4608	2059	1108	546	405	161	117	1792	-	479	-
	Total	13004 (35%)	3932 (52%)	1173 (94%)	768 (71%)	1991 (20%)	196 (82%)	319 (37%)	5005 (36%)	818	1268 (38%)	1466
70+	Sm.	2569	1019	648	98	273	284	79	1072	-	115	-
	Total	13729 (19%)	2947 (35%)	711 (91%)	161 (61%)	2075 (13%)	390 (73%)	656 (12%)	8469 (13%)	123	868 (13%)	276
Any age	Sm.	7177	3078	1756	644	678	445	196	2864	-	594	-
	Total	28157 (25%)	6985 (44%)	1887 (93%)	931 (69%)	4167 (16%)	589 (76%)	1049 (19%)	13558 (21%)	965	2560 (23%)	2451

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	2612.4	1464.8	1008.6	210.7	210.3	165.4	125.8	107.0	101.4	88.0	71.1	29.9	38.0
2000	2620.9	1410.1	1061.6	196.7	206.9	203.8	157.4	116.5	95.2	85.1	67.7	48.4	33.1
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	28125	1578	13226	578	1019	1254	1589	2043	3019	3724	4451	2659	6211
2000	28157	1424	13004	468	873	1501	1925	2050	2676	3511	4128	4259	5342
Lung cancer													
1995	1939	2	1315	14	39	85	148	259	381	389	350	126	146
2000	1887	3	1173	7	29	79	159	218	291	390	335	231	145
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	1377.5*	112.6*	1699.8*	274.3	484.5	758.2	1263.1	1909.3	2977.3	4231.8	6260.2	8893.0	16344.7
2000	1330.5*	106.2*	1616.5*	237.9	421.9	736.5	1223.0	1759.7	2810.9	4125.7	6097.5	8799.6	16139.0
All cancer													
1995	324.3*	8.2*	521.5*	37.0	106.0	215.8	392.7	629.0	995.1	1275.0	1575.2	1856.2	2236.8
2000	328.0*	7.5*	506.9*	24.9	81.7	192.3	390.1	576.8	926.5	1356.1	1670.6	2053.7	2483.4
Lung cancer													
1995	95.5*	0.1*	179.2*	6.6	18.5	51.4	117.6	242.1	375.7	442.0	492.3	421.4	384.2
2000	89.1*	0.2*	158.3*	3.6	14.0	38.8	101.0	187.1	305.7	458.3	494.8	477.3	438.1
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	44.3*	0.3*	87.8*	7.6	37.6	71.9	108.9	120.6	150.9	117.0	128.0	117.1	134.2
2000	41.9*	0.1*	86.6*	4.6	28.0	68.2	117.5	103.9	140.8	143.4	106.4	111.6	105.7
Other cancer													
1995	184.5*	7.7*	254.6*	22.8	49.9	92.5	166.1	266.4	468.4	715.9	955.0	1317.7	1718.4
2000	197.0*	7.1*	261.9*	16.8	39.6	85.4	171.5	285.8	480.0	754.4	1069.4	1464.9	1939.6
Chronic obstructive pulmonary disease (COPD)													
1995	14.9*	0.3*	17.2*	0.9	2.9	3.6	4.8	16.8	39.4	52.3	66.1	117.1	226.3
2000	28.9*	0.2*	26.5*	1.5	2.4	7.9	13.3	30.9	48.3	81.1	134.4	283.1	489.4
Other respiratory disease													
1995	79.8*	7.2*	67.3*	10.0	17.6	27.8	41.3	74.8	122.3	177.3	329.1	605.4	1478.9
2000	51.5*	6.3*	40.0*	7.6	8.2	22.6	25.4	34.3	63.0	118.7	203.8	405.0	972.8
Vascular disease													
1995	699.9*	7.3*	740.7*	54.6	135.0	219.5	461.8	787.9	1344.2	2181.8	3603.4	5374.6	10894.7
2000	663.5*	5.8*	662.3*	40.2	93.3	220.8	418.7	682.4	1210.1	1970.6	3388.5	5252.1	10975.8
Liver cirrhosis													
1995	36.9*	1.4*	72.7*	23.7	31.4	67.1	85.9	98.1	111.4	90.9	88.6	127.1	65.8
2000	42.7*	1.8*	90.8*	23.9	44.9	60.4	97.2	120.2	157.6	131.6	104.9	68.2	57.4
Other medical causes													
1995	111.8*	36.1*	129.5*	36.1	52.3	78.6	110.5	146.7	204.1	278.4	406.5	568.6	950.0
2000	118.5*	36.4*	147.3*	43.7	58.5	83.4	134.7	151.9	263.7	294.9	422.5	582.6	906.3
All non-medical causes													
1995	110.0*	52.2*	150.9*	112.0	139.3	145.7	166.1	156.1	160.7	176.1	191.3	244.1	492.1
2000	97.5*	48.2*	142.8*	96.1	132.9	149.2	143.6	163.1	141.8	172.7	172.8	155.0	253.8

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: SLOVAKIA

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	754	100	1	1	98	5	82	36	5	338	188
35-69	Sm.	248	75	57	7	11	12	13	117	-	31	-
	Total	6575 (4%)	2149 (3%)	141 (40%)	53 (13%)	1955 (1%)	42 (29%)	264 (5%)	2913 (4%)	182	696 (4%)	329
70+	Sm.	464	97	71	11	15	47	27	267	-	26	-
	Total	17229 (3%)	2099 (5%)	146 (49%)	53 (21%)	1900 (1%)	128 (37%)	1232 (2%)	12091 (2%)	47	1121 (2%)	511
Any age	Sm.	712	172	128	18	26	59	40	384	-	57	-
	Total	24558 (3%)	4348 (4%)	288 (44%)	107 (17%)	3953 (1%)	175 (34%)	1578 (3%)	15040 (3%)	234	2155 (3%)	1028
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	576	83	0	0	83	0	32	35	4	287	135
35-69	Sm.	385	134	103	11	20	23	11	172	-	45	-
	Total	5937 (6%)	2267 (6%)	193 (53%)	50 (22%)	2024 (1%)	55 (42%)	145 (8%)	2309 (7%)	233	609 (7%)	319
70+	Sm.	477	100	78	5	17	81	15	255	-	26	-
	Total	18054 (3%)	2536 (4%)	169 (46%)	31 (16%)	2336 (1%)	233 (35%)	806 (2%)	12981 (2%)	59	1230 (2%)	209
Any age	Sm.	862	234	181	16	37	104	26	427	-	71	-
	Total	24567 (4%)	4886 (5%)	362 (50%)	81 (20%)	4443 (1%)	288 (36%)	983 (3%)	15325 (3%)	296	2126 (3%)	663

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	2751.4	1411.1	1105.0	206.3	209.8	171.8	141.1	127.3	127.2	121.5	109.2	49.3	76.8
2000	2770.0	1358.6	1153.1	193.4	205.3	207.9	169.1	137.4	121.9	118.1	107.0	87.3	64.0
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	24558	754	6575	202	337	443	672	896	1552	2473	3762	2794	10673
2000	24567	576	5937	166	314	527	670	855	1298	2107	3354	4923	9777
Lung cancer													
1995	288	1	141	3	10	20	22	15	34	37	53	35	58
2000	362	-	193	3	17	32	18	24	41	58	48	60	61
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	778.8*	57.2*	707.4*	97.9	160.6	257.9	476.3	703.8	1220.1	2035.4	3445.1	5667.3	13897.1
2000	761.3*	47.4*	622.8*	85.8	152.9	253.5	396.2	622.3	1064.8	1784.1	3134.6	5639.2	15276.6
All cancer													
1995	150.3*	7.3*	226.1*	35.9	69.6	115.8	200.6	267.1	370.3	523.5	666.7	839.8	1246.1
2000	158.9*	6.1*	230.7*	32.6	70.6	131.8	179.8	255.5	386.4	558.0	728.0	941.6	1460.9
Lung cancer													
1995	10.0*	0.1*	14.6*	1.5	4.8	11.6	15.6	11.8	26.7	30.5	48.5	71.0	75.5
2000	11.8*	-	19.4*	1.6	8.3	15.4	10.6	17.5	33.6	49.1	44.9	68.7	95.3
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	3.7*	0.1*	5.3*	1.9	1.9	4.7	6.4	4.7	6.3	11.5	7.3	24.3	43.0
2000	2.8*	-	4.6*	1.0	3.4	3.8	5.9	8.0	7.4	2.5	6.5	12.6	20.3
Other cancer													
1995	136.6*	7.1*	206.1*	32.5	62.9	99.5	178.6	250.6	337.3	481.5	610.8	744.4	1127.6
2000	144.3*	6.1*	206.6*	30.0	58.9	112.6	163.2	230.0	345.4	506.4	676.6	860.3	1345.3
Chronic obstructive pulmonary disease (COPD)													
1995	5.5*	0.4*	4.4*	1.5	1.4	0.6	1.4	6.3	14.9	4.9	15.6	46.7	114.6
2000	8.8*	-	5.9*	2.1	0.5	0.5	4.1	5.1	9.0	20.3	36.4	63.0	217.2
Other respiratory disease													
1995	48.5*	6.3*	28.2*	5.3	9.1	8.1	15.6	24.4	51.9	83.1	198.7	377.3	1079.4
2000	30.5*	2.9*	15.5*	2.1	2.4	4.8	9.5	16.0	31.2	42.3	86.9	209.6	828.1
Vascular disease													
1995	457.3*	2.6*	325.0*	15.0	28.6	62.3	152.4	278.9	586.5	1151.4	2163.9	3845.8	10197.9
2000	458.6*	2.7*	256.3*	9.8	29.7	46.2	109.4	222.0	450.4	926.3	1918.7	3896.9	11759.4
Liver cirrhosis													
1995	9.0*	0.4*	18.3*	5.8	7.1	15.7	22.7	25.1	29.1	22.2	22.9	18.3	16.9
2000	10.7*	0.3*	22.3*	5.7	11.7	16.8	23.1	29.8	41.8	27.1	25.2	20.6	21.9
Other medical causes													
1995	74.2*	26.9*	74.0*	15.0	18.6	30.3	55.3	69.1	128.1	201.6	290.3	395.5	793.0
2000	71.3*	25.9*	63.6*	11.4	13.6	26.5	44.9	61.1	114.8	172.7	289.7	439.9	837.5
All non-medical causes													
1995	33.9*	13.4*	31.4*	19.4	26.2	25.0	28.3	33.0	39.3	48.6	87.0	144.0	449.2
2000	22.6*	9.6*	28.6*	22.2	24.4	26.9	25.4	32.8	31.2	37.3	49.5	67.6	151.6

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

SLOVAKIA: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.4	– / 0.6	–
35–69	4.6 / 13	0.4 / 5.9	20 years
70+	2.6 / 14	0.5 / 18	8 years
All ages	7.2 / 28	0.9 / 25	16 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

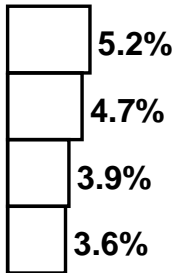
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	1.1/1.2	0.6/0.7	1.8/1.9	–/0.0	0.1/0.2	0.1/0.2	0.2/0.4
All Cancer	–/0.1	2.1/3.9 (52%)	1.0/2.9 (35%)	3.1/7.0	–/0.1	0.1/2.3 (6%)	0.1/2.5 (4%)	0.2/4.9
Vascular	–/0.1	1.8/5.0	1.1/8.5	2.9/14	–/0.0	0.2/2.3	0.3/13	0.4/15
Respiratory	–/0.1	0.3/0.5	0.4/1.0	0.6/1.6	–/0.0	0.0/0.2	0.1/1.0	0.1/1.3
All Other	–/1.2	0.5/3.6	0.1/1.3	0.6/6.0	–/0.4	0.0/1.2	0.0/1.5	0.1/3.1
All Causes	–/1.4	4.6/13 (35%)	2.6/14 (19%)	7.2/28	–/0.6	0.4/5.9 (6%)	0.5/18 (3%)	0.9/25

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	3.1 / 7.0 (44%)	0.2 / 4.9 (5%)	3.3 / 12 (28%)
All Causes	7.2 / 28 (25%)	0.9 / 25 (4%)	8.0 / 53 (15%)

1985-2000: SLOVAKIA

Population risk of dying at ages 0–34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

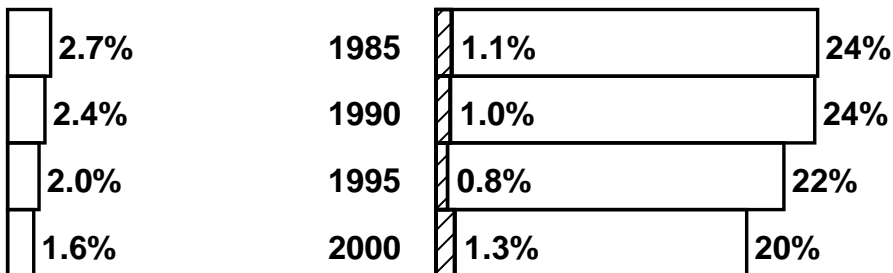
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 43 would die before age 70 (with 16 of these deaths attributed to smoking)

FEMALE



SLOVAKIA: 1980-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/2.4	4.8/12 (39%)	2.6/14 (19%)	7.5/29	-/1.2	0.3/6.1 (4%)	0.4/17 (2%)	0.7/24
1990	-/2.0	5.9/15 (38%)	1.9/13 (15%)	7.8/30	-/1.0	0.3/7.2 (4%)	0.4/16 (2%)	0.7/24
1995	-/1.6	5.1/13 (39%)	2.2/13 (17%)	7.4/28	-/0.8	0.2/6.6 (4%)	0.5/17 (3%)	0.7/25
2000	-/1.4	4.6/13 (35%)	2.6/14 (19%)	7.2/28	-/0.6	0.4/5.9 (6%)	0.5/18 (3%)	0.9/25

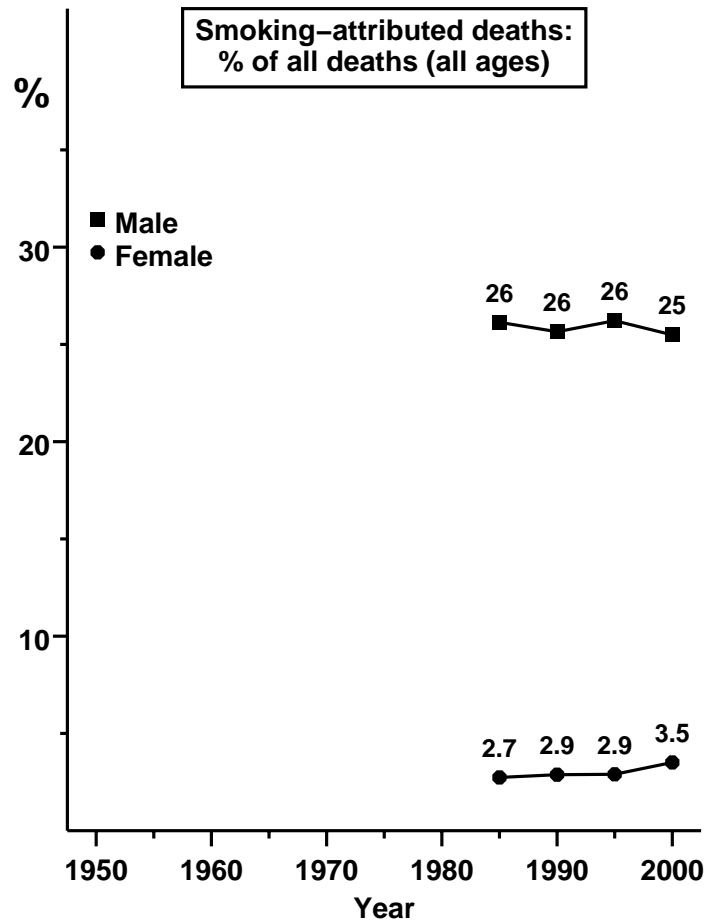
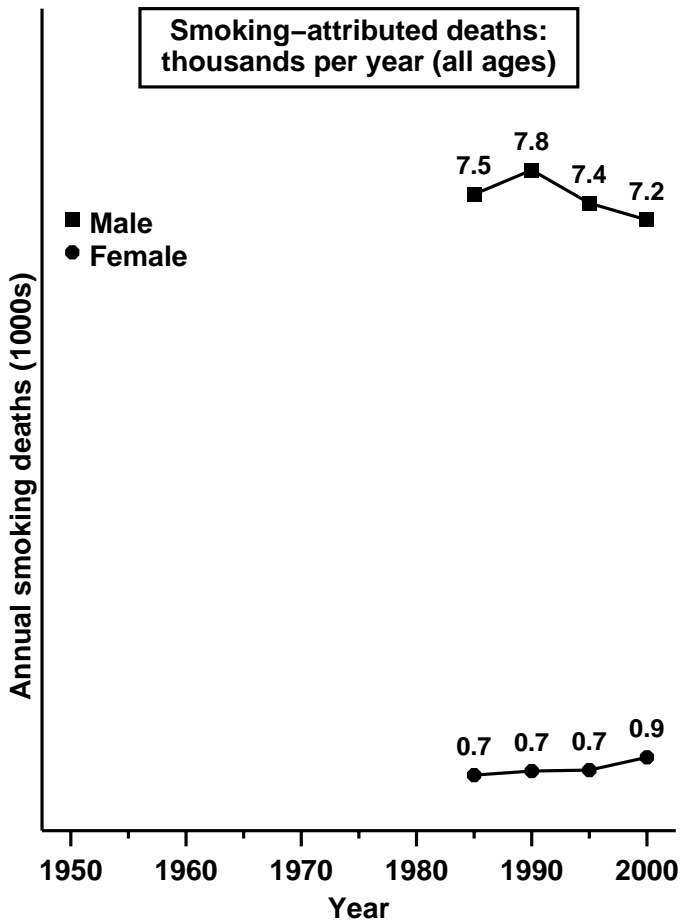
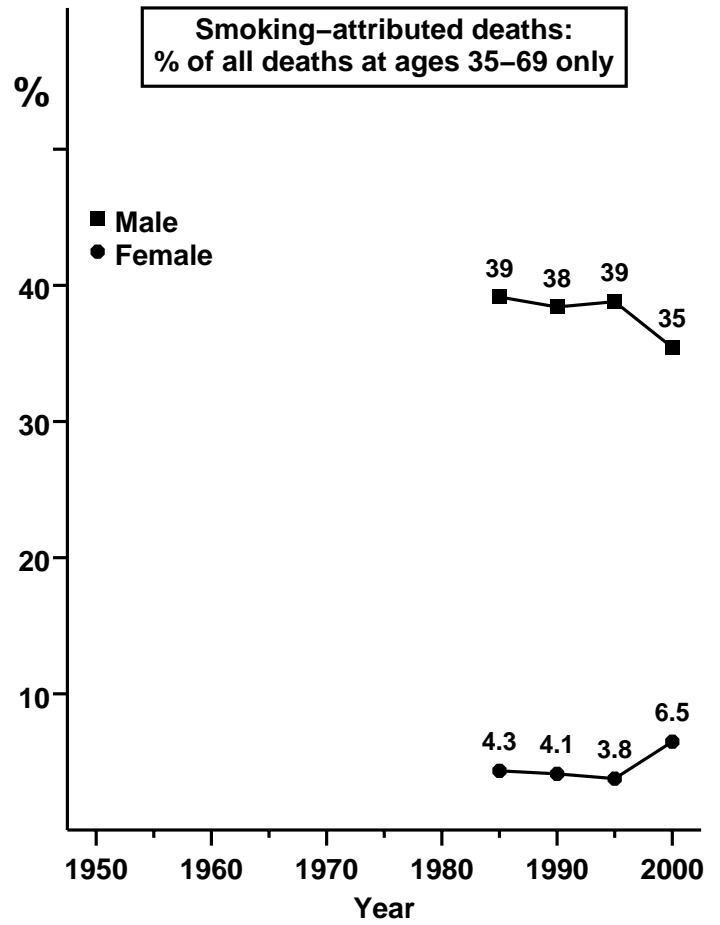
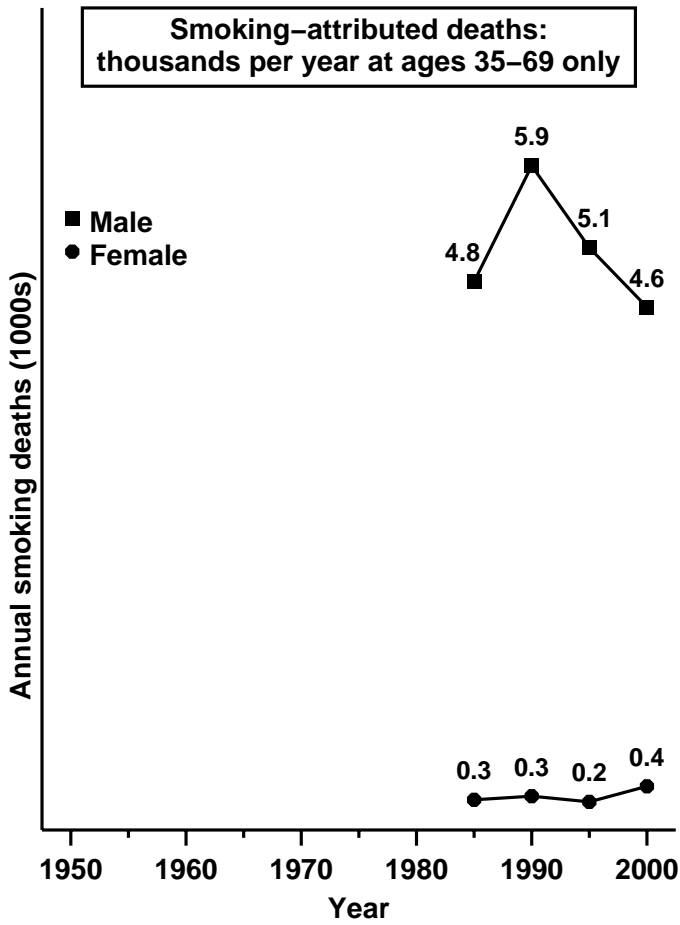
20-year total* (thousands), mid-1980 to mid-2000: 162 / 1051

1980-2000 by age & sex:

-/39	100/256 (39%)	49/272 (18%)	149/567	-/19	5.1/127 (4%)	8.5/338 (3%)	14/484
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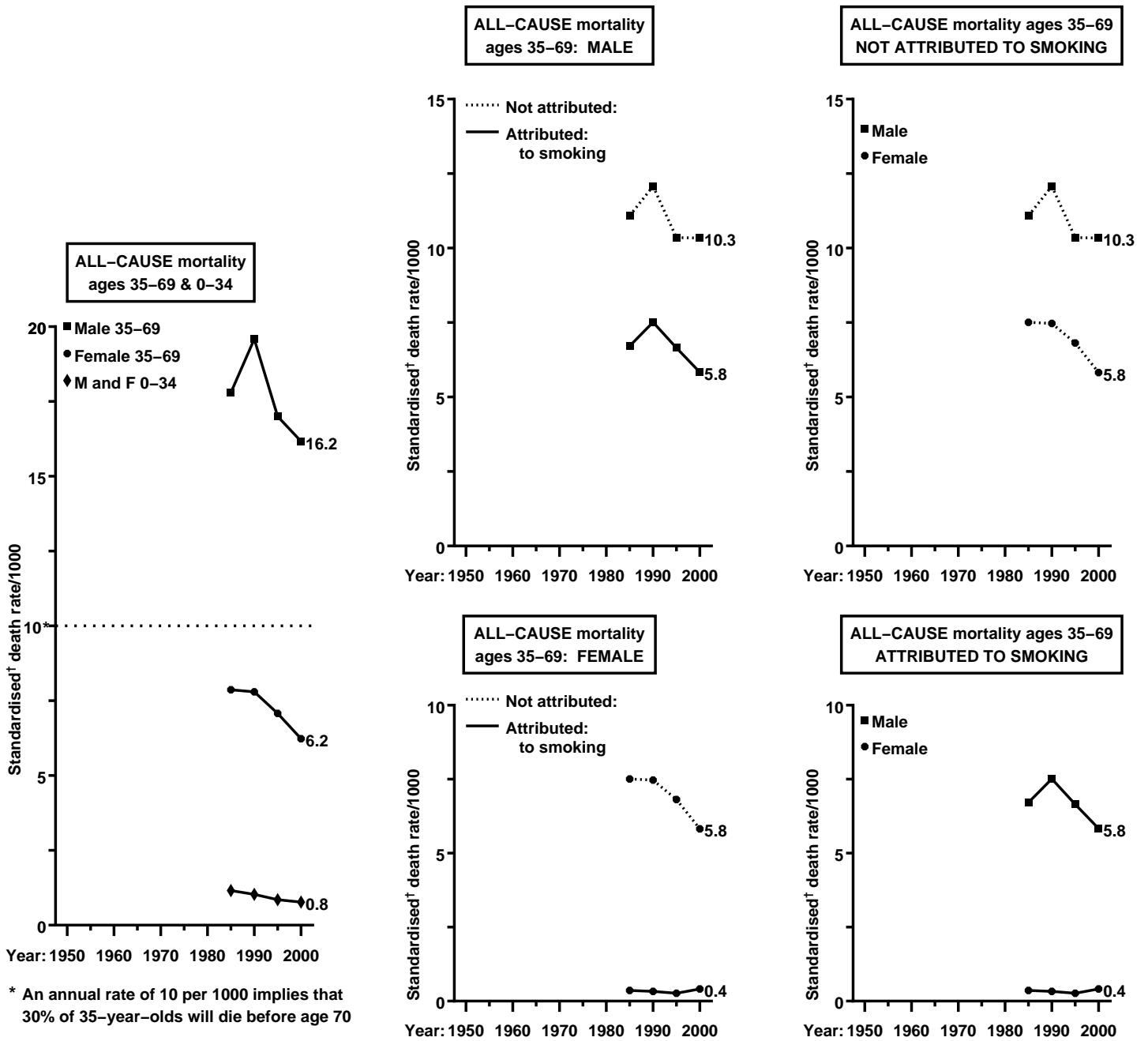
*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1985-2000: SLOVAKIA



SLOVAKIA: 1985-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

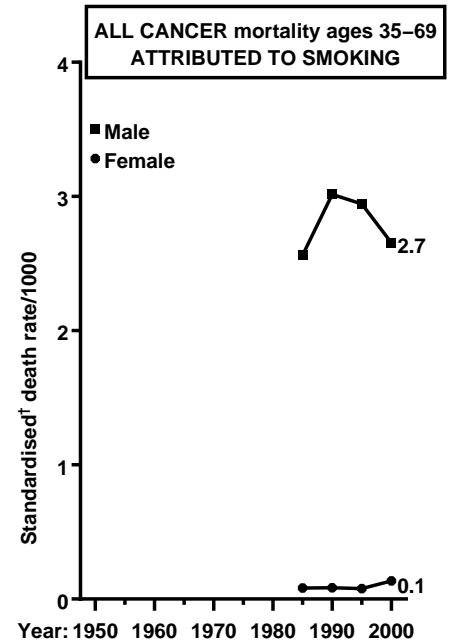
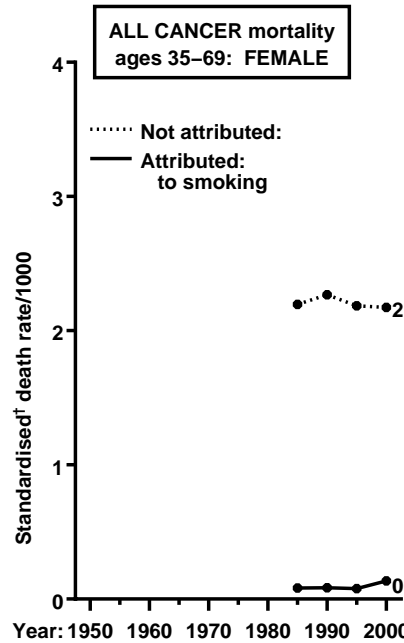
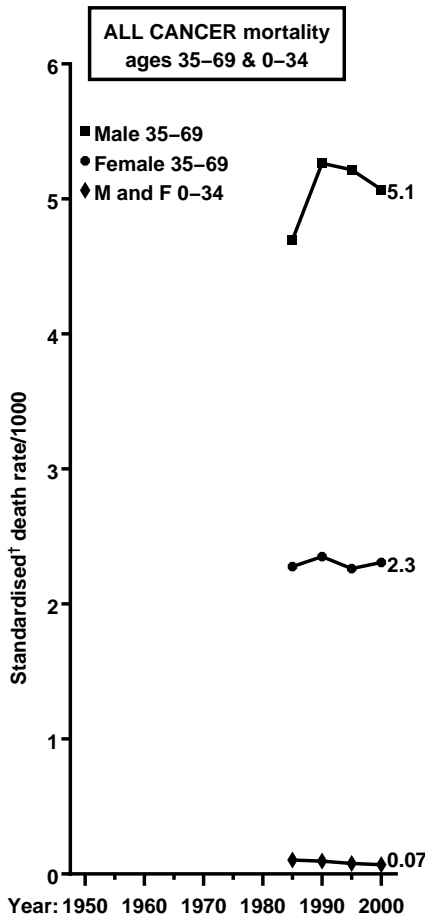
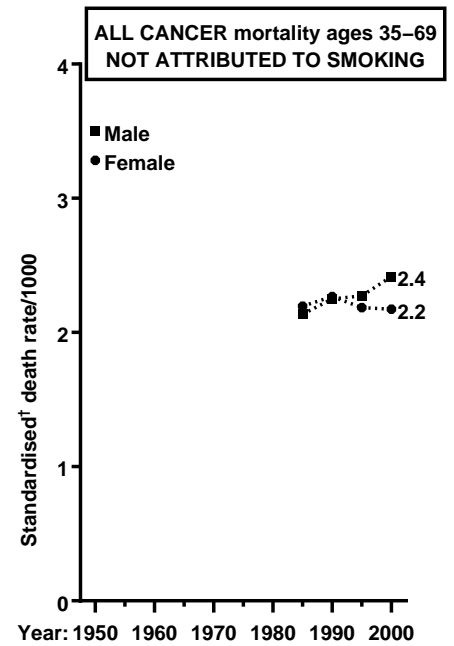
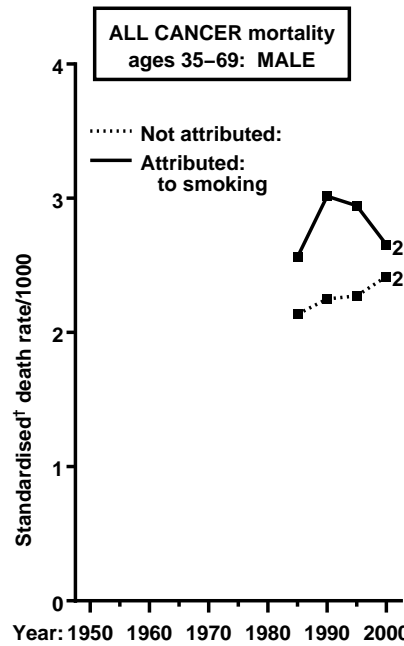
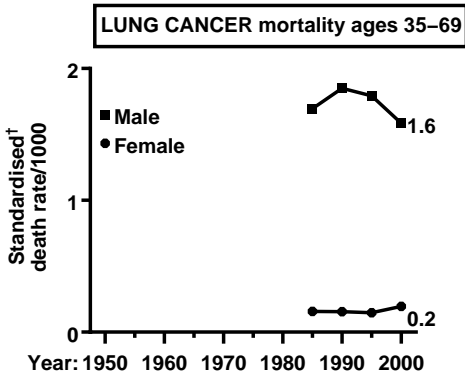


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965
1970
1975
1980
1985	-	1.52	6.71	11.1	17.5	67.5	-	0.79	0.36	7.51	1.57	57.3	-	0.68	0.33	7.47
1990	-	1.37	7.51	12.1	14.0	65.1	-	0.57	0.26	6.81	1.38	44.2	-	0.47	0.41	5.82
1995	-	1.13	6.65	10.3	14.3	61.5	-	0.47	0.41	5.82	1.22	42.6	-	0.47	0.41	5.82
2000	-	1.06	5.83	10.3	15.6	58.9	-	0.47	0.41	5.82	1.22	42.6	-	0.47	0.41	5.82

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: SLOVAKIA

Trends in ALL CANCER mortality attributed and not attributed to smoking



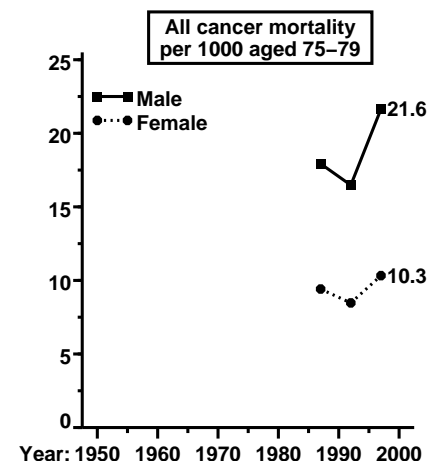
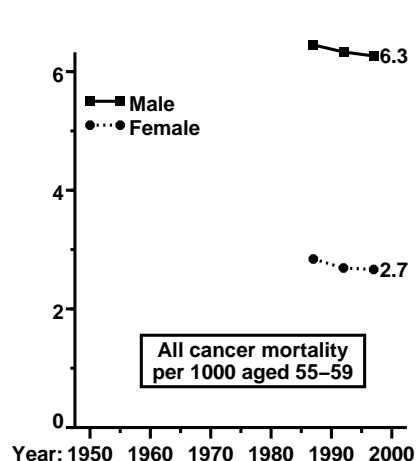
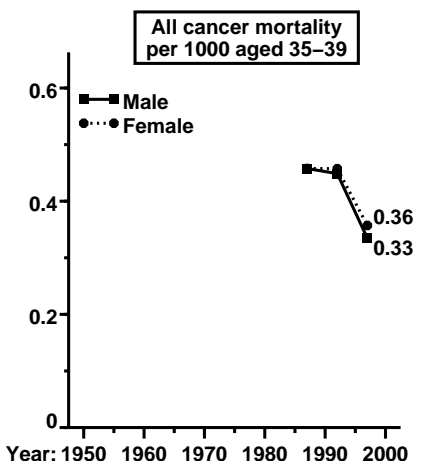
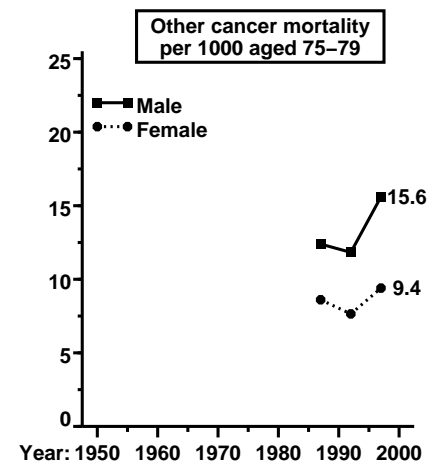
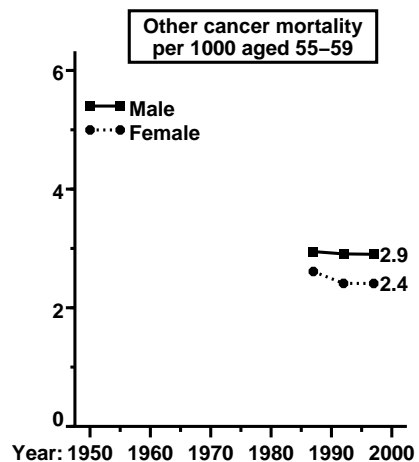
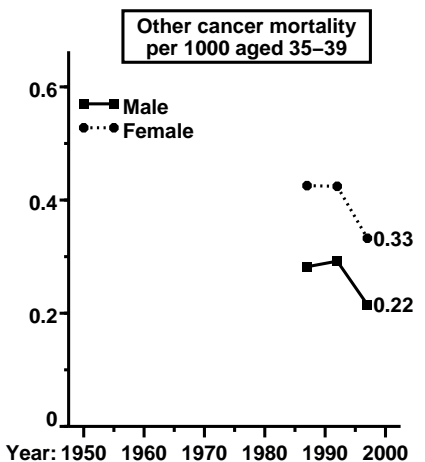
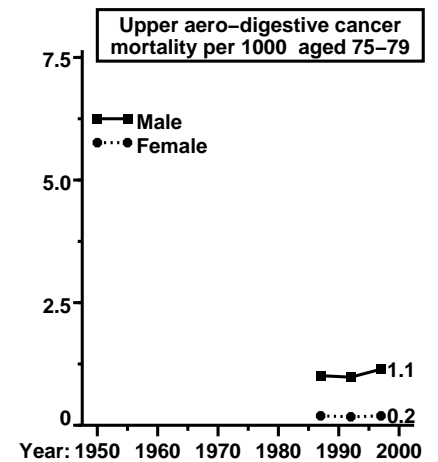
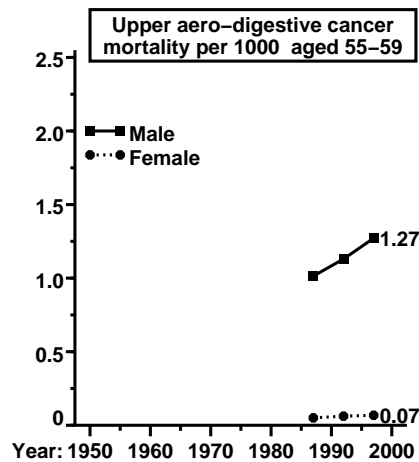
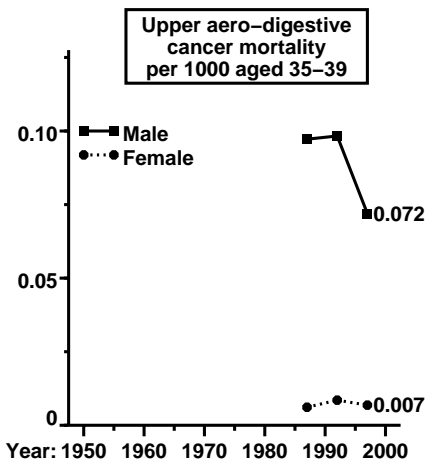
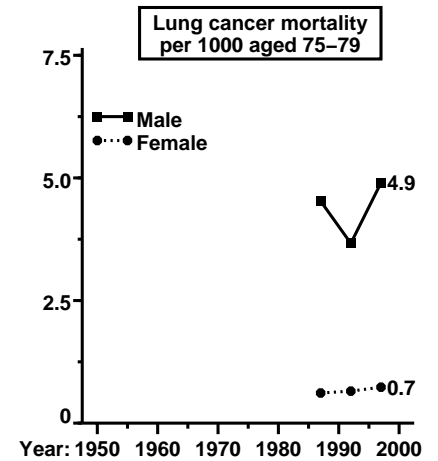
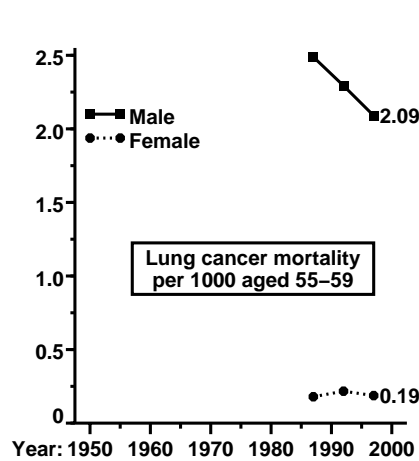
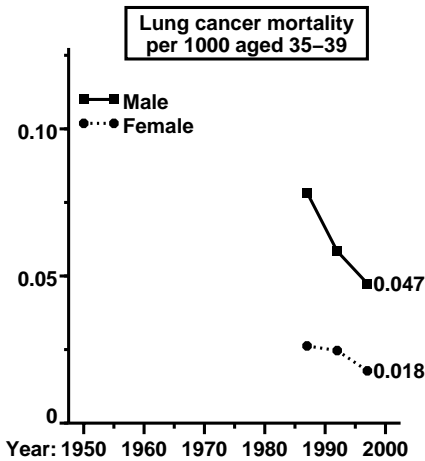
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955
1960
1965
1970
1975
1980
1985	-	0.11	2.56	2.14	6.06	9.97	-	0.10	0.08	2.19	0.28	8.00	-	0.09	0.35	7.32
1990	-	0.10	3.01	2.25	5.79	10.3	-	0.09	0.08	2.27	0.37	7.16	-	0.07	0.32	8.02
1995	-	0.08	2.94	2.27	6.31	10.8	-	0.07	0.13	2.17	0.32	8.02	-	0.06	0.32	8.02
2000	-	0.07	2.65	2.42	6.81	11.8	-	0.06	0.13	2.17	0.32	8.02	-	0.06	0.32	8.02

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

SLOVAKIA: 1985-2000

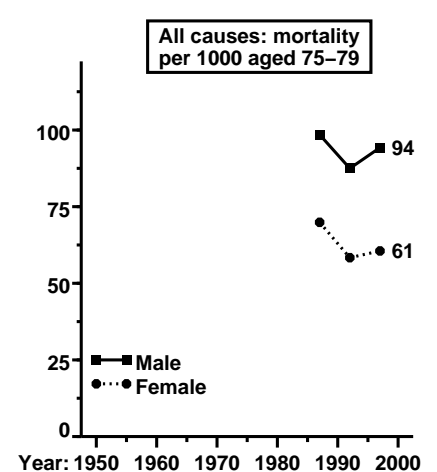
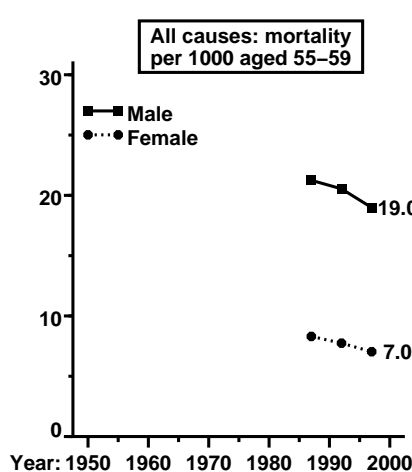
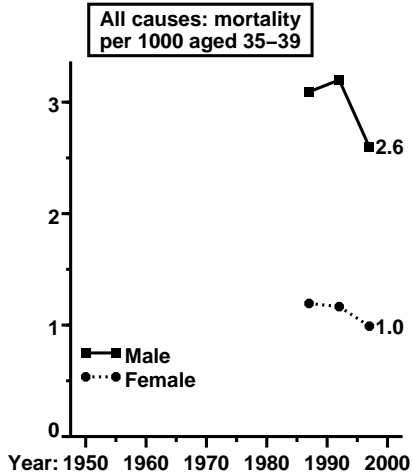
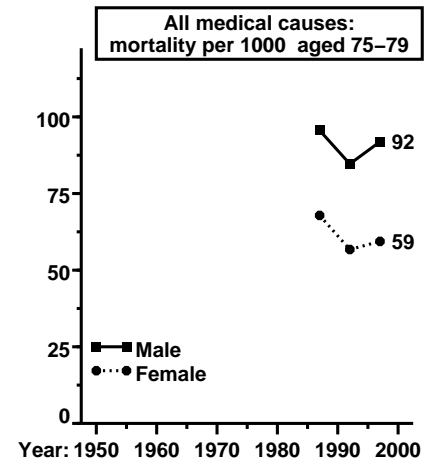
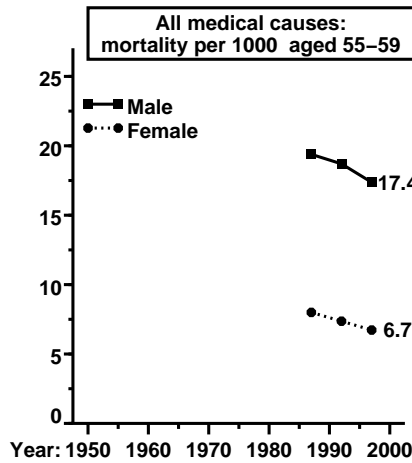
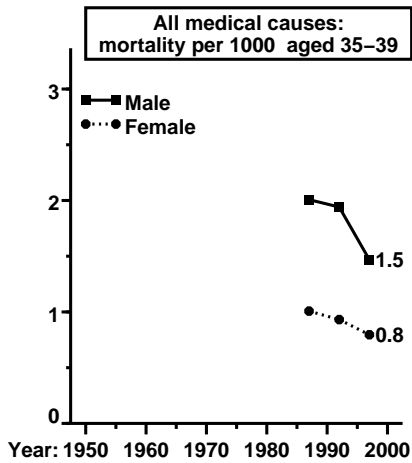
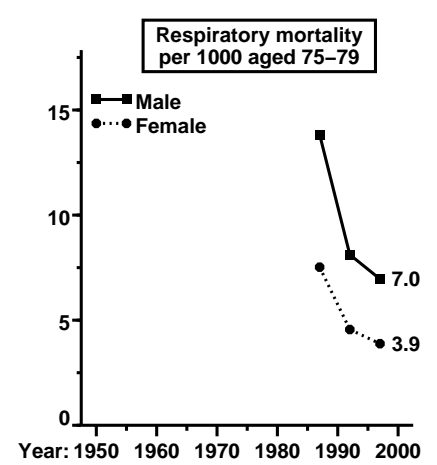
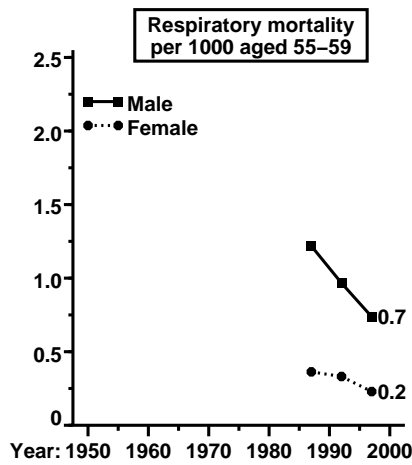
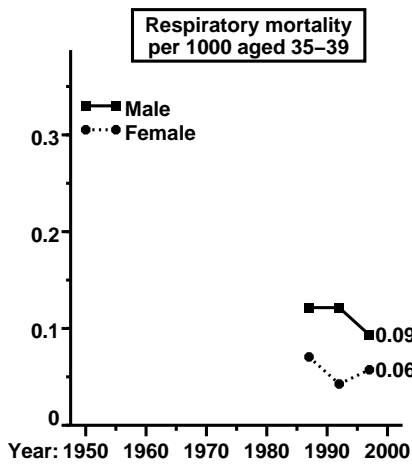
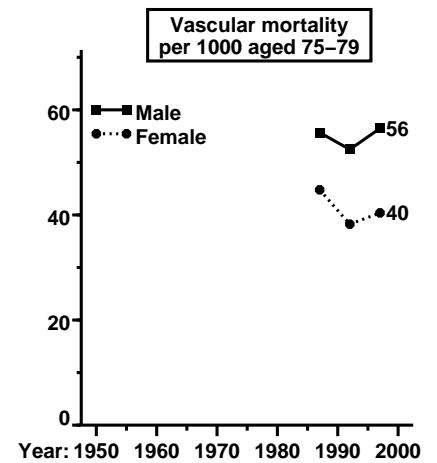
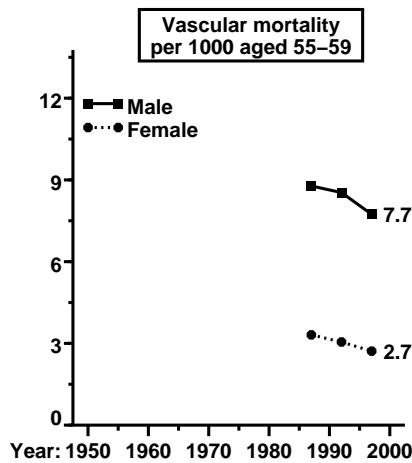
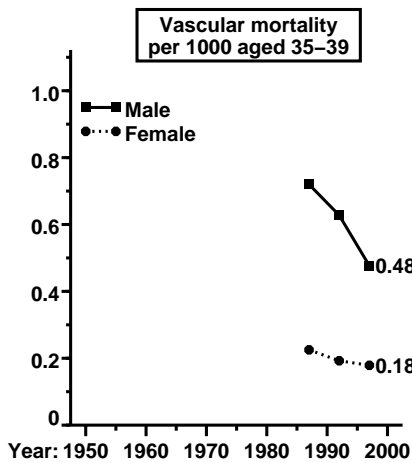
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; year 2000 on pages 428-429

1985-2000: SLOVAKIA

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; year 2000 on pages 428-429

SLOVENIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	9557	399	4406	1110.1	84.3	1185.2	126.3	15.4	15.8	70.0	126.1	99.9	136.9
	F	9031	164	2052	605.1	38.9	494.4	94.8	18.2	8.3	35.1	29.9	39.7	46.0
Tuberculosis	M	9	-	8	0.8	-	1.9	-	-	-	-	-	-	-
	F	12	-	1	0.8	-	0.3	-	-	-	-	-	-	-
HIV	M	4	-	4	0.4	-	0.8	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	42	1	20	5.1	0.2	5.1	-	-	-	1.4	-	-	-
	F	34	-	5	2.2	-	1.2	-	-	-	-	-	-	-
ALL CANCER	M	2672	29	1380	297.7	5.8	380.3	2.1	3.8	1.6	1.4	11.6	4.1	16.3
	F	2080	21	875	149.9	4.4	209.0	-	4.0	1.7	1.5	2.7	7.1	13.5
Mouth and pharynx cancer	M	108	-	83	11.1	-	21.3	-	-	-	-	-	-	-
	F	19	-	12	1.5	-	2.7	-	-	-	-	-	-	-
Oesophagus cancer	M	63	1	41	6.4	0.2	10.2	-	-	-	-	-	-	1.4
	F	14	-	5	0.9	-	1.3	-	-	-	-	-	-	-
Stomach cancer	M	240	2	112	26.9	0.4	30.9	-	-	-	-	-	1.4	1.4
	F	165	2	62	11.7	0.4	15.1	-	-	-	-	-	1.4	1.4
Colorectal cancer	M	323	2	137	37.3	0.4	39.8	-	-	-	-	-	-	2.7
	F	277	2	93	19.0	0.4	22.9	-	-	-	-	-	-	2.7
Liver cancer	M	97	-	52	10.4	-	14.7	-	-	-	-	-	-	-
	F	45	-	16	3.1	-	3.8	-	-	-	-	-	-	-
Pancreas cancer	M	117	-	62	12.9	-	16.8	-	-	-	-	-	-	-
	F	117	-	44	8.3	-	10.9	-	-	-	-	-	-	-
Larynx cancer	M	69	-	47	7.3	-	13.1	-	-	-	-	-	-	-
	F	5	-	2	0.3	-	0.4	-	-	-	-	-	-	-
Lung cancer	M	733	1	448	77.9	0.2	123.8	-	-	-	-	-	-	1.4
	F	198	-	107	14.9	-	25.0	-	-	-	-	-	-	-
Malignant melanoma	M	40	5	23	4.3	1.0	5.8	-	-	-	-	1.3	1.4	4.1
	F	29	1	12	2.2	0.2	2.8	-	-	1.7	-	-	-	-
Female breast cancer	F	365	2	173	27.1	0.4	41.2	-	-	-	-	-	1.4	1.4
Cervix cancer	F	62	2	41	5.1	0.4	9.1	-	-	-	-	-	1.4	1.4
Other uterine cancer	F	87	-	30	5.9	-	7.3	-	-	-	-	-	-	-
Ovarian cancer	F	111	1	55	8.3	0.2	13.0	-	-	-	-	-	1.4	-
Prostate cancer	M	246	-	56	32.0	-	17.5	-	-	-	-	-	-	-
Bladder cancer	M	73	-	25	8.5	-	7.3	-	-	-	-	-	-	-
	F	27	-	8	1.7	-	2.1	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	401	12	218	44.0	2.6	59.2	2.1	3.8	-	1.4	5.1	1.4	4.1
	F	393	5	148	28.1	1.2	35.0	-	4.0	-	-	1.4	-	2.7
Hodgkin's disease	M	2	-	-	0.3	-	-	-	-	-	-	-	-	-
	F	8	1	4	0.7	0.2	1.0	-	-	-	-	-	-	1.4
Myeloma and non- Hodgkin lymphomas	M	90	1	46	10.3	0.2	12.0	-	-	1.6	-	-	-	-
	F	92	1	40	6.3	0.2	9.9	-	-	-	-	1.4	-	-
Leukaemia	M	70	5	30	8.2	0.9	7.8	-	-	-	-	5.1	-	1.4
	F	66	4	23	4.7	0.8	5.5	-	-	-	1.5	-	1.4	2.7
Diabetes	M	173	1	63	20.8	0.2	17.5	-	-	-	-	-	1.4	-
	F	318	-	50	19.6	-	12.6	-	-	-	-	-	-	-
ALL VASCULAR DISEASE	M	3395	15	1281	415.1	3.0	359.3	-	1.9	-	2.8	5.1	4.1	6.8
	F	4109	7	488	256.9	1.4	121.0	-	-	-	-	4.1	1.4	4.1
Rheumatic heart disease and fever	M	29	-	18	3.3	-	5.0	-	-	-	-	-	-	-
	F	52	-	8	3.3	-	2.0	-	-	-	-	-	-	-
Hypertensive disease	M	148	1	62	17.8	0.2	17.7	-	-	-	-	1.3	-	-
	F	290	-	31	17.9	-	8.0	-	-	-	-	-	-	-
Ischaemic heart disease	M	1256	2	538	150.2	0.4	151.3	-	-	-	-	-	-	2.7
	F	1241	1	142	77.1	0.2	35.6	-	-	-	-	-	-	1.4
Pulmonary embolism and other venous	M	39	-	17	4.7	-	4.7	-	-	-	-	-	-	-
	F	59	-	13	3.8	-	3.0	-	-	-	-	-	-	-
Cerebrovascular disease	M	911	6	306	110.5	1.2	86.4	-	1.9	-	1.4	2.6	1.4	1.4
	F	1128	4	144	70.9	0.8	35.2	-	-	-	-	2.7	1.4	1.4
Other vascular disease	M	1012	6	340	128.6	1.2	94.1	-	-	-	1.4	1.3	2.7	2.7
	F	1339	2	150	83.9	0.4	37.2	-	-	-	-	1.4	-	1.4
Chronic obstructive pulmonary disease	M	425	2	121	53.0	0.4	36.3	-	-	-	1.4	1.3	-	-
	F	209	1	29	13.0	0.2	7.3	-	-	-	-	-	1.4	-
Other respiratory disease	M	340	-	88	45.0	-	24.7	-	-	-	-	-	-	-
	F	496	7	32	31.0	1.6	7.8	2.3	2.0	-	2.9	1.4	2.8	-
Peptic ulcer	M	54	-	21	6.6	-	6.3	-	-	-	-	-	-	-
	F	74	1	8	4.7	0.2	2.0	-	-	-	-	-	-	1.4
Liver cirrhosis	M	473	9	382	48.2	1.7	97.5	-	-	-	1.4	2.6	1.4	6.8
	F	229	2	179	19.3	0.4	42.9	-	-	-	-	-	1.4	1.4
Renal disease	M	51	-	15	6.5	-	4.4	-	-	-	-	-	-	-
	F	93	-	14	5.9	-	3.5	-	-	-	-	-	-	-
Pregnancy, birth Congenital and perinatal causes	F	2	2	-	0.2	0.4	-	-	-	-	-	-	1.4	1.4
	M	55	50	5	8.8	14.9	1.0	98.5	1.9	-	-	2.6	1.4	-
	F	39	36	2	6.7	11.5	0.5	79.0	-	1.7	-	-	-	-
Ill-defined causes	M	318	27	168	37.7	5.7	42.9	8.6	-	1.6	4.2	3.9	8.2	13.6
	F	329	11	66	22.7	2.7	15.6	9.0	-	-	1.5	1.4	5.7	1.4
Other medical causes	M	498	30	252	56.9	6.5	66.8	8.6	3.8	3.2	4.2	6.4	10.9	8.1
	F	512	13	117	34.3	2.9	28.1	-	6.1	1.7	-	4.1	2.8	5.4
ALL NON- MEDICAL CAUSES	M	1048	235	598	107.4	45.9	140.4	8.6	3.8	9.5	53.2	92.7	68.4	85.4
	F	495	63	186	38.2	13.2	42.7	4.5	6.1	3.3	29.3	16.3	15.6	17.6
Motor vehicle traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	6	-	4	0.6	-	0.7	-	-	-	-	-	-	-
	F	2	-	2	0.2	-	0.4	-	-	-	-	-	-	-
Suicide	M	433	87	275	43.4	16.7	62.5	-	-	1.6	12.6	30.9	36.9	35.2
	F	155	24	100	13.4	4.8	22.8	-	-	-	11.7	6.8	8.5	6.8
Homicide	M	14	2	12	1.3	0.4	2.8	-	-	-	-	2.6	-	-
	F	8	3	4	0.8	0.7	0.9	-	2.0	-	-	1.4	-	1.4
POPULATION: (1000s; UN, 2002 revision)														
			M=male		967.0	458.2	449.4	46.7	52.1	63.4	71.4	77.7	73.1	73.8
			F=female		1023.0	440.4	462.1	44.3	49.5	60.3	68.3	73.5	70.6	73.9

2000: SLOVENIA

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
210.1	325.8	556.9	795.1	1322.2	1933.3	3152.9	4941.2	7462.0	16786.3	M	ALL CAUSES	001-999/A00-Y89
83.1	134.7	258.4	382.4	494.7	812.4	1295.3	2251.5	4099.5	12668.7	F	Tuberculosis	010-018, 137/ A15-A19, B90
1.3	1.3	2.4	-	-	6.1	2.4	3.3	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	1.8	-	12.1	2.6	12.3	F	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.3	1.3	4.9	3.1	7.4	8.1	9.4	13.1	23.4	111.1	M	ALL CANCER	140-208/C00-C97
-	-	1.3	-	1.8	1.8	3.6	10.1	15.7	55.2	F	Mouth and pharynx cancer	140-149/C00-C14
20.8	64.4	166.5	272.2	387.0	652.5	1098.8	1705.9	2111.1	3247.9	M	Oesophagus cancer	150/C15
26.0	73.8	119.5	199.1	226.0	311.5	507.2	680.1	939.8	1493.9	F	Stomach cancer	151/C16
1.3	2.5	17.1	27.5	20.4	40.4	40.0	45.8	46.8	25.6	M	Colorectal cancer	153, 154/C18-C21
-	1.3	3.9	6.3	1.8	-	5.4	6.0	5.2	6.1	F	Liver cancer	155.0, 155.1/C22
-	3.8	9.8	12.2	13.0	16.2	16.5	35.9	52.6	8.5	M	Pancreas cancer	157/C25
-	-	-	-	-	3.6	5.4	4.0	13.1	6.1	F	Larynx cancer	161/C32
1.3	6.3	8.6	22.9	42.6	52.5	82.4	192.8	193.0	290.6	M	Lung cancer	162/C33, C34
1.3	3.9	3.9	15.7	17.8	20.0	43.5	64.4	47.1	156.4	F	Malignant melanoma	172/C43
2.6	1.3	4.9	24.5	42.6	70.7	131.8	225.5	327.5	504.3	M	Female breast cancer	174/C50
2.6	3.9	5.1	21.9	19.6	38.3	68.8	84.5	138.7	266.9	F	Cervix cancer	180/C53
1.3	1.3	3.7	9.2	18.5	22.2	47.1	75.2	81.9	68.4	F	Other uterine cancer	179, 182/C54, C55
1.3	-	2.6	3.1	5.3	1.8	12.7	12.1	31.4	33.7	F	Ovarian cancer	183.0/C56
-	2.5	9.8	12.2	22.2	28.3	42.4	85.0	81.9	128.2	M	Prostate cancer	185/C61
1.3	1.3	1.3	9.4	16.0	20.0	27.2	56.3	39.3	92.0	F	Bladder cancer	188/C67
-	2.5	6.1	7.6	7.4	30.3	37.6	39.2	17.5	59.8	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
-	1.3	-	-	-	-	1.8	-	2.6	6.1	F	Hodgkin's disease	201/C81
5.2	20.2	56.3	85.6	129.6	198.0	371.8	464.1	502.9	478.6	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.3	10.4	23.1	28.2	16.0	36.4	59.8	82.5	68.1	73.6	F	Leukaemia	204-208/C91-C95
1.3	3.8	3.7	1.5	13.0	8.1	9.4	19.6	11.7	34.2	M	Diabetes	250/E10-E14
1.3	1.3	1.3	4.7	1.8	7.3	1.8	10.1	13.1	18.4	F	ALL VASCULAR DISEASE	390-459/I00-I99
2.6	13.0	30.8	36.1	55.2	71.0	79.7	102.6	157.1	242.3	M	Rheumatic heart disease and fever	390-398/I00-I09
2.6	14.2	6.4	7.8	8.9	10.9	12.7	8.0	15.7	27.6	F	Hypertensive disease	401-405/I10-I15
-	1.3	6.4	1.6	7.1	9.1	25.4	26.2	47.1	79.8	M	Ischaemic heart disease	410-414/I20-I25
2.6	3.9	7.7	15.7	16.0	18.2	27.2	36.2	49.7	55.2	F	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
-	-	-	3.1	9.3	30.3	80.0	156.9	269.0	820.5	M	Cerebrovascular disease	430-438/I60-I69
-	-	2.4	4.6	5.6	10.1	28.2	58.8	93.6	119.7	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
5.2	13.9	29.4	47.4	38.9	115.2	164.7	245.1	263.2	435.9	F	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
9.1	10.4	23.1	34.5	48.0	54.6	65.2	132.8	209.4	288.3	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
-	-	-	3.1	1.8	-	1.8	3.3	-	8.5	M	Peptic ulcer	531-533/K25-K27
-	-	-	-	-	-	-	2.0	2.6	3.1	F	Liver cirrhosis	571/K70, K74
-	3.8	8.6	9.2	16.7	20.2	25.9	39.2	93.6	128.2	M	Renal disease	580-590/N00-N19
-	5.2	1.3	4.7	7.1	10.9	39.9	20.1	62.8	52.1	F	Pregnancy, birth	630-676/A34, O00-O99
2.6	2.5	6.1	4.6	7.4	10.1	21.2	19.6	76.0	136.8	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
-	2.6	2.6	6.3	3.6	7.3	16.3	22.1	20.9	61.3	F	Ill-defined causes	780-799/R00-R99
1.3	1.3	1.3	4.7	1.8	29.1	48.9	111.1	193.0	359.0	M	Other medical causes	Rest of 001-799/ rest of A00-R99
-	-	-	-	-	-	-	74.4	259.2	404.9	F	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
28.5	65.7	117.5	200.3	381.5	606.1	1115.3	1859.5	3286.5	8273.5	M	Motor vehicle traffic accidents	Not given separately
9.1	18.1	45.0	43.9	112.1	213.1	405.8	955.7	1971.2	7319.0	F	Fire	E890-E899/X00-X09
1.3	-	3.7	3.1	1.8	8.1	18.8	6.5	17.5	51.3	M	Suicide	E950-E959/X60-X84
-	1.3	-	-	-	10.9	-	12.1	52.4	55.2	F	Homicide	E960-E969/ X85-X99, Y00-Y09
2.6	2.5	4.9	9.2	14.8	26.3	63.5	58.8	175.4	316.2	M	POPULATION (1000s; UN, 2002 revision)	
-	1.3	-	-	5.3	23.7	25.4	66.4	151.8	515.3	F		
10.4	25.3	45.3	73.4	177.8	284.8	442.4	699.3	1099.4	2683.8	M		
1.3	3.9	7.7	15.7	33.8	56.5	130.4	328.0	654.5	2101.2	F		
-	1.3	-	6.1	5.6	6.1	14.1	26.1	23.4	85.5	M		
1.3	-	3.9	3.1	1.8	3.6	7.2	12.1	52.4	61.3	F		
6.5	11.4	28.2	52.0	90.7	131.3	284.7	568.6	1087.7	2042.7	M		
5.2	3.9	19.3	15.7	32.0	54.6	115.9	275.7	549.7	1941.7	F		
7.8	25.3	35.5	56.6	92.6	149.5	291.8	500.0	883.0	3094.0	M		
1.3	7.8	14.1	9.4	37.4	63.8	126.8	261.6	510.5	2644.2	F		
1.3	-	6.1	6.1	27.8	78.8	134.1	284.3	479.5	1136.8	M		
1.3	-	1.3	3.1	3.6	10.9	30.8	78.5	117.8	291.4	F		
2.6	6.3	7.3	9.2	37.0	28.3	82.4	160.1	350.9	1222.2	M		
2.6	1.3	2.6	3.1	10.7	10.9	23.6	98.6	191.1	1027.6	F		
-	-	-	-	11.1	14.1	18.8	26.1	58.5	128.2	M		
-	-	1.3	-	3.6	3.6	5.4	28.2	28.8	122.7	F		
27.2	32.8	55.1	84.1	163.0	153.5	167.1	150.3	152.0	85.5	M		
13.0	7.8	19.3	48.6	48.0	67.4	96.0	48.3	44.5	21.5	F		
-	1.3	-	1.5	5.6	8.1	14.1	35.9	35.1	162.4	M		
2.6	-	-	1.6	-	12.8	7.2	28.2	55.0	135.0	F		
-	-	-	-	-	-	-	-	-	-	M		
-	1.3	2.4	3.1	-	-	-	-	-	-	F		
-	-	-	-	-	3.6	-	-	-	3.1	M		
16.9	12.6	24.5	29.1	75.9	68.7	72.9	81.7	117.0	666.7	M		
2.6	6.5	9.0	20.4	16.0	25.5	29.0	34.2	81.2	625.8	F		
11.7	27.8	33.0	44.3	72.2	109.1	169.4	215.7	345.0	777.8	M		
5.2	5.2	19.3	18.8	28.5	47.4	72.5	126.8	251.3	684.0	F		
97.3	109.8	129.7	128.4	129.6	159.6	228.2	294.1	309.9	615.4	M		
19.5	20.7	38.6	39.2	42.7	72.9	65.2	76.5	141.4	472.4	F		
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F		
-	2.5	2.4	-	-	-	-	3.3	-	8.5	M		
-	1.3	-	-	-	1.8	-	-	-	-	F		
49.3	60.6	57.5	71.9	61.1	52.5	84.7	114.4	87.7	179.5	M		
11.7	11.7	21.9	20.4	24.9	34.6	34.4	24.1	23.6	30.7	F		
5.2	2.5	1.2	-	1.9	2.0	7.1	-	-	-	M		
1.3	-	1.3	-	-	3.6	-	2.0	-	-	F		
77.1	79.2	81.7	65.4	54.0	49.5	42.5	30.6	17.1	11.7	M		
77.0	77.2	77.8	63.8	56.2	54.9	55.2	49.7	38.2	32.6	F		

SLOVENIA: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	506	40	2	2	36	2	12	16	4	123	309
35-69	Sm.	1730	873	534	171	168	114	36	498	-	209	-
	Total	4711 (37%)	1562 (56%)	562 (95%)	232 (74%)	768 (22%)	134 (85%)	97 (37%)	1340 (37%)	378	541 (39%)	659
70+	Sm.	904	311	200	25	86	244	29	258	-	62	-
	Total	4413 (20%)	923 (34%)	220 (91%)	40 (63%)	663 (13%)	337 (72%)	255 (11%)	2133 (12%)	69	495 (13%)	201
Any age	Sm.	2634	1184	734	196	254	358	65	756	-	271	-
	Total	9630 (27%)	2525 (47%)	784 (94%)	274 (72%)	1467 (17%)	473 (76%)	364 (18%)	3489 (22%)	451	1159 (23%)	1169
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	399	29	1	1	27	2	0	15	9	109	235
35-69	Sm.	1339	658	417	114	127	95	27	384	-	175	-
	Total	4406 (30%)	1380 (48%)	448 (93%)	171 (67%)	761 (17%)	121 (79%)	88 (31%)	1281 (30%)	382	556 (31%)	598
70+	Sm.	1012	424	260	42	122	222	30	267	-	69	-
	Total	4752 (21%)	1263 (34%)	284 (92%)	68 (62%)	911 (13%)	302 (74%)	252 (12%)	2099 (13%)	82	539 (13%)	215
Any age	Sm.	2351	1082	677	156	249	317	57	651	-	244	-
	Total	9557 (25%)	2672 (40%)	733 (92%)	240 (65%)	1699 (15%)	425 (75%)	340 (17%)	3395 (19%)	473	1204 (20%)	1048

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)													
1995	966.5	489.8	427.6	80.1	83.2	67.5	57.0	53.8	48.5	37.5	23.5	10.6	15.0
2000	967.0	458.2	449.4	77.1	79.2	81.7	65.4	54.0	49.5	42.5	30.6	17.1	11.7
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	9630	506	4711	172	329	391	534	790	1164	1331	1223	823	2367
2000	9557	399	4406	162	258	455	520	714	957	1340	1512	1276	1964
Lung cancer													
1995	784	2	562	6	12	25	55	125	166	173	109	51	60
2000	733	1	448	4	16	46	56	70	98	158	142	86	56
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	1177.7*	102.7*	1363.4*	214.7	395.4	579.3	936.8	1468.4	2400.0	3549.3	5204.3	7764.2	15780.0
2000	1110.1*	84.3*	1185.2*	210.1	325.8	556.9	795.1	1322.2	1933.3	3152.9	4941.2	7462.0	16786.3
All cancer													
1995	302.9*	8.1*	462.3*	30.0	88.9	145.2	308.8	583.6	874.2	1205.3	1527.7	1849.1	2453.3
2000	297.7*	5.8*	380.3*	20.8	64.4	166.5	272.2	387.0	652.5	1098.8	1705.9	2111.1	3247.9
Lung cancer													
1995	92.1*	0.4*	170.2*	7.5	14.4	37.0	96.5	232.3	342.3	461.3	463.8	481.1	400.0
2000	77.9*	0.2*	123.8*	5.2	20.2	56.3	85.6	129.6	198.0	371.8	464.1	502.9	478.6
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	30.7*	0.4*	65.5*	5.0	16.8	32.6	66.7	98.5	103.1	136.0	85.1	47.2	100.0
2000	24.8*	0.2*	44.6*	1.3	8.8	33.0	47.4	40.7	86.9	94.1	120.9	117.0	94.0
Other cancer													
1995	180.2*	7.3*	226.6*	17.5	57.7	75.6	145.6	252.8	428.9	608.0	978.7	1320.8	1953.3
2000	195.0*	5.5*	211.9*	14.3	35.4	77.1	139.1	216.7	367.7	632.9	1120.9	1491.2	2675.2
Chronic obstructive pulmonary disease (COPD)													
1995	62.0*	0.4*	44.8*	-	3.6	4.4	14.0	24.2	61.9	205.3	353.2	528.3	1320.0
2000	53.0*	0.4*	36.3*	1.3	-	6.1	6.1	27.8	78.8	134.1	284.3	479.5	1136.8
Other respiratory disease													
1995	47.9*	2.8*	29.2*	3.7	7.2	8.9	17.5	26.0	47.4	93.3	187.2	405.7	1120.0
2000	45.0*	-	24.7*	2.6	6.3	7.3	9.2	37.0	28.3	82.4	160.1	350.9	1222.2
Vascular disease													
1995	447.0*	3.0*	409.1*	22.5	61.3	124.4	215.8	394.1	771.1	1274.7	2140.4	3594.3	8326.7
2000	415.1*	3.0*	359.3*	28.5	65.7	117.5	200.3	381.5	606.1	1115.3	1859.5	3286.5	8273.5
Liver cirrhosis													
1995	50.3*	0.7*	101.8*	15.0	45.7	63.7	128.1	117.1	185.6	157.3	144.7	113.2	153.3
2000	48.2*	1.7*	97.5*	27.2	32.8	55.1	84.1	163.0	153.5	167.1	150.3	152.0	85.5
Other medical causes													
1995	142.7*	28.2*	154.2*	31.2	55.3	84.4	98.2	154.3	253.6	402.7	574.5	962.3	1720.0
2000	143.8*	27.5*	146.6*	32.4	46.7	74.7	94.8	196.3	254.5	327.1	486.9	771.9	2205.1
All non-medical causes													
1995	124.9*	59.6*	162.0*	112.4	133.4	148.1	154.4	169.1	206.2	210.7	276.6	311.3	686.7
2000	107.4*	45.9*	140.4*	97.3	109.8	129.7	128.4	129.6	159.6	228.2	294.1	309.9	615.4

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: SLOVENIA

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	209	30	1	0	29	0	2	5	6	79	87
35-69	Sm.	210	85	67	5	13	19	3	71	-	32	-
	Total	2357 (9%)	976 (9%)	105 (64%)	15 (33%)	856 (2%)	41 (46%)	33 (9%)	632 (11%)	193	285 (11%)	197
70+	Sm.	227	44	32	4	8	67	9	85	-	22	-
	Total	6772 (3%)	1042 (4%)	65 (49%)	17 (24%)	960 (1%)	186 (36%)	375 (2%)	3921 (2%)	42	932 (2%)	274
Any age	Sm.	437	129	99	9	21	86	12	156	-	54	-
	Total	9338 (5%)	2048 (6%)	171 (58%)	32 (28%)	1845 (1%)	227 (38%)	410 (3%)	4558 (3%)	241	1296 (4%)	558
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	164	21	0	0	21	1	7	7	2	63	63
35-69	Sm.	184	85	68	6	11	15	3	53	-	28	-
	Total	2052 (9%)	875 (10%)	107 (64%)	19 (32%)	749 (1%)	29 (52%)	32 (9%)	488 (11%)	179	263 (11%)	186
70+	Sm.	273	68	52	5	11	70	11	94	-	30	-
	Total	6815 (4%)	1184 (6%)	91 (57%)	19 (26%)	1074 (1%)	179 (39%)	457 (2%)	3614 (3%)	48	1087 (3%)	246
Any age	Sm.	457	153	120	11	22	85	14	147	-	58	-
	Total	9031 (5%)	2080 (7%)	198 (61%)	38 (29%)	1844 (1%)	209 (41%)	496 (3%)	4109 (4%)	229	1413 (4%)	495

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		1024.0	473.0	447.4	77.5	78.3	64.6	57.3	56.8	58.4	54.5	45.6	21.5	36.5
2000		1023.0	440.4	462.1	77.0	77.2	77.8	63.8	56.2	54.9	55.2	49.7	38.2	32.6
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		9338	209	2357	77	129	180	243	304	564	860	1219	977	4576
2000		9031	164	2052	64	104	201	244	278	446	715	1119	1566	4130
Lung cancer														
1995		171	1	105	2	5	8	13	12	33	32	24	15	26
2000		198	-	107	1	8	18	18	9	20	33	41	26	24
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
1995		656.6*	46.0*	578.0*	99.4	164.8	278.6	424.1	535.2	965.8	1578.0	2673.2	4544.2	12537.0
2000		605.1*	38.9*	494.4*	83.1	134.7	258.4	382.4	494.7	812.4	1295.3	2251.5	4099.5	12668.7
All cancer														
1995		161.9*	6.1*	238.9*	42.6	54.9	133.1	230.4	257.0	409.2	545.0	732.5	990.7	1356.2
2000		149.9*	4.4*	209.0*	26.0	73.8	119.5	199.1	226.0	311.5	507.2	680.1	939.8	1493.9
Lung cancer														
1995		14.0*	0.2*	25.8*	2.6	6.4	12.4	22.7	21.1	56.5	58.7	52.6	69.8	71.2
2000		14.9*	-	25.0*	1.3	10.4	23.1	28.2	16.0	36.4	59.8	82.5	68.1	73.6
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		2.4*	-	3.7*	-	1.3	-	1.7	-	12.0	11.0	17.5	14.0	16.4
2000		2.8*	-	4.4*	-	2.6	3.9	6.3	1.8	3.6	12.7	10.1	20.9	18.4
Other cancer														
1995		145.5*	5.9*	209.4*	40.0	47.3	120.7	205.9	235.9	340.8	475.2	662.3	907.0	1268.5
2000		132.3*	4.4*	179.6*	24.7	60.9	92.5	164.6	208.2	271.4	434.8	587.5	850.8	1401.8
Chronic obstructive pulmonary disease (COPD)														
1995		15.0*	-	10.3*	1.3	1.3	-	7.0	7.0	15.4	40.4	78.9	116.3	342.5
2000		13.0*	0.2*	7.3*	1.3	-	1.3	3.1	3.6	10.9	30.8	78.5	117.8	291.4
Other respiratory disease														
1995		25.4*	0.5*	8.1*	-	3.8	3.1	-	1.8	18.8	29.4	89.9	176.7	811.0
2000		31.0*	1.6*	7.8*	2.6	1.3	2.6	3.1	10.7	10.9	23.6	98.6	191.1	1027.6
Vascular disease														
1995		294.2*	1.1*	159.0*	7.7	20.4	35.6	71.6	91.5	280.8	605.5	1269.7	2344.2	7775.3
2000		256.9*	1.4*	121.0*	9.1	18.1	45.0	43.9	112.1	213.1	405.8	955.7	1971.2	7319.0
Liver cirrhosis														
1995		21.7*	1.1*	46.5*	7.7	19.2	32.5	41.9	73.9	77.1	73.4	48.2	32.6	35.6
2000		19.3*	0.4*	42.9*	13.0	7.8	19.3	48.6	48.0	67.4	96.0	48.3	44.5	21.5
Other medical causes														
1995		94.8*	19.8*	69.3*	14.2	31.9	34.1	45.4	56.3	101.0	201.8	368.4	730.2	1663.0
2000		96.9*	17.7*	63.7*	11.7	13.0	32.1	45.5	51.6	125.7	166.7	313.9	693.7	2042.9
All non-medical causes														
1995		43.6*	17.5*	45.8*	25.8	33.2	40.2	27.9	47.5	63.4	82.6	85.5	153.5	553.4
2000		38.2*	13.2*	42.7*	19.5	20.7	38.6	39.2	42.7	72.9	65.2	76.5	141.4	472.4

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

SLOVENIA: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.4	– / 0.2	–
35–69	1.3 / 4.4	0.2 / 2.1	21 years
70+	1.0 / 4.8	0.3 / 6.8	9 years
All ages	2.4 / 9.6	0.5 / 9.0	15 years

Deaths, by cause, attributed to SMOKING / total deaths in the year 2000

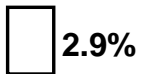
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 1	417/448	260/284	677/733	– / 0	68/107	52/91	120/198
All Cancer	– / 29	658/1380 (48%)	424/1263 (34%)	1082/2672	– / 21	85/875 (10%)	68/1184 (6%)	153/2080
Vascular	– / 15	384/1281	267/2099	651/3395	– / 7	53/488	94/3614	147/4109
Respiratory	– / 2	122/209	252/554	374/765	– / 8	18/61	81/636	99/705
All Other	– / 353	175/1536	69/836	244/2725	– / 128	28/628	30/1381	58/2137
All Causes	– / 399	1339/4406 (30%)	1012/4752 (21%)	2351/9557	– / 164	184/2052 (9%)	273/6815 (4%)	457/9031

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	1.1 / 2.7 (40%)	0.2 / 2.1 (7%)	1.2 / 4.8 (26%)
All Causes	2.4 / 9.6 (25%)	0.5 / 9.0 (5%)	2.8 / 19 (15%)

2000: SLOVENIA

Population risk of dying at ages 0–34

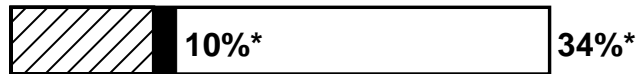


Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE

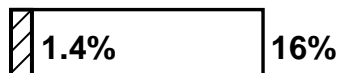
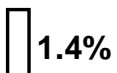
2000



*At year 2000 male death rates, out of 100 men aged 35, 34 would die before age 70 (with 10 of these deaths attributed to smoking)

FEMALE

2000



SPAIN: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)							
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34	
ALL CAUSES	M	189468	7972	58662	804.7	77.0	800.1	119.1	18.5	20.3	64.2	89.5	98.1	129.7	
	F	170923	3324	25082	453.1	37.2	316.7	100.8	12.7	14.1	26.4	28.3	30.2	48.0	
Tuberculosis	M	337	11	110	1.4	0.1	1.5	-	-	-	-	0.1	0.1	0.5	
	F	183	6	26	0.5	0.1	0.3	-	0.1	-	-	0.1	0.1	0.1	
HIV	M	1391	380	984	6.4	3.2	10.0	0.2	0.1	-	-	0.8	4.4	16.8	
	F	320	125	192	1.4	1.1	1.9	0.1	-	0.2	-	0.2	2.1	5.0	
Other infective and parasitic	M	1982	117	653	8.5	1.3	8.7	3.3	0.9	0.3	0.8	0.4	0.8	2.3	
	F	2065	85	392	5.9	1.1	5.0	4.4	0.9	0.1	1.2	0.4	0.3	0.5	
ALL CANCER	M	57525	623	24207	248.6	5.9	337.5	3.7	3.7	3.2	6.0	6.4	7.2	11.4	
	F	34321	526	11883	110.4	5.1	150.0	1.6	3.2	3.1	3.8	4.0	6.4	13.6	
Mouth and pharynx cancer	M	1838	15	1277	8.8	0.1	17.1	0.1	-	-	0.1	0.3	0.2	0.3	
	F	348	8	138	1.2	0.1	1.7	-	-	-	-	-	0.1	0.4	
Oesophagus cancer	M	1555	7	941	7.2	0.1	13.1	-	-	-	-	0.1	0.1	0.2	
	F	235	-	72	0.7	-	0.9	-	-	-	-	-	-	-	
Stomach cancer	M	3747	18	1551	16.1	0.2	21.6	-	-	-	0.1	0.2	0.2	0.6	
	F	2345	11	642	6.9	0.1	8.1	-	-	-	-	0.1	0.2	0.4	
Colorectal cancer	M	6464	23	2311	27.2	0.2	32.7	-	-	-	0.1	0.3	0.3	0.7	
	F	5189	29	1407	15.3	0.2	17.9	-	-	-	-	0.2	0.5	1.0	
Liver cancer	M	2495	20	1032	10.6	0.2	14.7	0.1	-	0.1	0.1	0.1	0.3	0.6	
	F	1174	6	287	3.4	0.1	3.7	-	0.1	-	0.2	0.1	0.1	-	
Pancreas cancer	M	2077	9	994	9.1	0.1	14.0	-	-	-	0.1	-	0.1	0.4	
	F	1923	5	594	5.9	0.0	7.7	-	-	-	-	0.1	0.1	0.2	
Larynx cancer	M	1770	3	1053	8.1	0.0	14.5	-	-	-	-	-	0.1	0.1	
	F	46	-	23	0.2	-	0.3	-	-	-	-	-	-	-	
Lung cancer	M	15477	29	7724	68.1	0.2	107.8	-	-	-	-	0.2	0.3	1.2	
	F	1886	10	870	6.7	0.1	10.7	-	-	-	-	0.1	0.2	0.4	
Malignant melanoma	M	391	20	208	1.8	0.2	2.7	-	-	0.1	-	0.3	0.3	0.5	
	F	310	16	131	1.1	0.1	1.6	-	0.1	-	0.2	0.1	0.3	0.4	
Female breast cancer	F	5677	71	2756	20.6	0.6	34.3	-	-	-	-	0.3	0.4	3.6	
Cervix cancer	F	597	19	365	2.4	0.2	4.3	-	-	-	-	-	0.2	1.0	
Other uterine cancer	F	1206	3	420	3.8	0.0	5.4	-	-	-	-	-	0.1	0.1	
Ovarian cancer	F	1615	21	787	5.9	0.2	10.0	-	-	-	-	0.2	0.4	0.7	
Prostate cancer	M	5456	1	794	21.8	0.0	11.7	-	-	-	-	0.1	-	-	
Bladder cancer	M	3193	3	939	13.2	0.0	13.5	-	-	-	-	-	0.1	0.1	
	F	721	1	101	1.9	0.0	1.3	-	-	-	-	-	-	0.1	
Other and ill-defined cancer sites	M	9244	255	3943	40.3	2.5	54.3	1.9	1.6	1.0	3.1	2.7	2.9	4.0	
	F	7740	171	2289	23.9	1.8	29.1	1.1	1.9	1.5	1.5	1.6	2.2	2.8	
Hodgkin's disease	M	155	28	68	0.7	0.3	0.9	-	0.1	0.1	0.4	0.4	0.4	0.4	
	F	125	23	40	0.4	0.2	0.5	-	-	0.1	0.5	0.2	0.4	0.3	
Myeloma and non-Hodgkin lymphomas	M	2045	56	800	8.7	0.5	11.0	0.1	0.2	0.3	0.4	0.6	0.9	1.1	
	F	1921	29	599	6.0	0.3	7.7	-	-	0.4	0.3	0.6	0.2	0.4	
Leukaemia	M	1618	136	572	7.0	1.5	7.8	1.5	1.7	1.7	1.7	1.2	1.1	1.2	
	F	1263	103	362	4.1	1.1	4.6	0.5	1.1	1.2	1.3	0.5	1.2	1.9	
Diabetes	M	3558	16	814	14.6	0.1	11.6	0.1	-	-	0.1	-	0.2	0.6	
	F	5695	13	551	14.0	0.1	7.2	-	-	-	-	0.1	0.2	0.5	
ALL VASCULAR DISEASE	M	57056	416	14508	236.7	3.6	202.4	1.2	0.5	0.9	2.0	4.1	5.5	11.2	
	F	68667	186	5378	163.8	1.8	69.3	1.4	0.3	1.1	1.0	1.8	2.6	4.3	
Rheumatic heart disease and fever	M	523	6	222	2.2	0.1	3.1	0.1	-	-	-	-	0.1	0.2	
	F	1277	2	351	3.8	0.0	4.6	-	-	-	0.1	-	0.1	-	
Hypertensive disease	M	1583	4	335	6.5	0.0	4.8	-	-	-	0.1	0.1	0.1	0.1	
	F	3472	2	207	8.1	0.0	2.7	-	-	-	-	-	0.1	0.1	
Ischaemic heart disease	M	22541	110	7585	95.0	0.9	105.5	-	-	0.1	0.3	0.5	1.7	3.9	
	F	16774	24	1774	41.5	0.2	22.9	0.2	-	-	0.1	0.2	0.4	0.6	
Pulmonary embolism and other venous	M	1170	27	374	5.0	0.2	5.0	-	-	-	-	0.4	0.3	0.9	
	F	1645	17	210	4.2	0.2	2.7	-	-	0.1	-	0.3	0.2	0.4	
Cerebrovascular disease	M	15019	86	2696	61.1	0.8	38.0	0.2	0.1	0.3	0.3	1.2	1.0	2.2	
	F	21577	66	1545	51.2	0.6	19.8	-	0.1	0.2	0.4	0.5	0.9	2.1	
Other vascular disease	M	16220	183	3296	66.8	1.7	46.0	0.9	0.4	0.6	1.3	2.0	2.4	4.0	
	F	23922	75	1291	55.0	0.8	16.6	1.2	0.2	0.8	0.5	0.7	1.0	1.2	
Chronic obstructive pulmonary disease	M	12222	19	1854	48.8	0.2	27.0	-	-	-	0.2	0.3	0.3	0.4	
	F	4405	12	363	10.6	0.1	4.7	0.1	-	0.1	0.2	0.2	0.1	0.1	
Other respiratory disease	M	11909	228	2007	48.6	2.1	27.7	2.8	0.7	0.4	1.0	2.5	2.8	4.8	
	F	12447	80	831	29.3	0.8	10.5	1.9	0.1	0.3	0.5	0.6	1.0	1.6	
Peptic ulcer	M	416	1	104	1.7	0.0	1.4	-	-	-	-	-	-	0.1	
	F	337	4	31	0.8	0.0	0.4	-	0.1	-	-	-	0.2	-	
Liver cirrhosis	M	3539	60	2280	16.5	0.5	30.5	-	-	-	-	-	0.5	3.0	
	F	1605	23	694	5.6	0.2	8.8	-	-	-	0.1	0.1	0.3	1.0	
Renal disease	M	2876	15	470	11.7	0.1	6.6	-	0.1	-	0.3	0.1	0.2	0.4	
	F	3010	19	310	7.4	0.2	4.0	0.1	-	-	0.2	0.5	0.2	0.3	
Pregnancy, birth	F	14	12	2	0.1	0.1	0.0	-	-	-	0.1	0.2	0.2	0.3	
Congenital and perinatal causes	M	1055	911	103	7.7	12.7	1.2	81.7	2.1	0.6	0.9	1.2	1.2	1.2	
	F	916	752	103	6.8	11.1	1.2	70.8	1.5	1.5	1.8	1.0	0.3	0.9	
Ill-defined causes	M	4288	334	1231	18.7	3.4	16.0	8.3	0.7	0.4	1.6	3.2	3.5	6.0	
	F	5355	118	395	13.0	1.4	4.9	6.0	0.1	0.5	0.4	0.6	1.0	1.5	
Other medical causes	M	19207	536	4083	79.9	5.6	55.4	9.4	3.7	3.5	5.1	4.3	5.1	7.9	
	F	27149	335	2492	66.9	3.8	31.6	8.1	3.1	2.4	3.4	2.9	2.8	4.0	
ALL NON-MEDICAL CAUSES	M	12107	4305	5254	55.1	38.2	62.8	8.3	5.9	11.1	46.1	66.2	66.3	63.4	
	F	4434	1028	1439	16.6	10.1	17.0	6.3	3.3	4.9	13.7	15.8	12.7	14.1	
Motor vehicle traffic accidents	M	4600	2167	1880	21.1	19.4	22.4	2.5	3.3	6.8	29.6	38.5	30.5	24.8	
	F	1427	560	527	6.2	5.6	6.2	2.3	1.9	3.5	9.7	10.0	6.3	5.3	
Fire	M	127	27	54	0.6	0.3	0.7	0.7	0.5	-	0.1	0.1	0.3	0.4	
	F	79	16	19	0.3	0.2	0.2	0.4	0.1	0.1	0.2	0.3	-	0.2	
Suicide	M	2574	635	1247	11.6	5.4	15.1	-	-	0.6	5.3	9.2	12.2	10.4	
	F	819	153	414	3.3	1.4	5.0	-	-	0.3	1.4	1.5	2.7	3.6	
Homicide	M	298	126	160	1.4	1.1	1.8	0.2	0.1	-	0.3	1.5	2.2	3.1	
	F	113	47	49	0.5	0.4	0.5	0.4	-	0.1	0.3	0.2	0.6	1.4	
POPULATION: (1000s; UN, 2002 revision)			M=male F=female		19987 20766	9639 9203	8442 8745	990 937	981 934	1081 1026	1343 1273	1714 1635	1841 1763	1689 1635	

2000: SPAIN

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
182.0	247.5	368.3	568.1	813.5	1399.8	2021.8	3103.2	5516.9	13352.6	M	ALL CAUSES	001-999/A00-Y89
69.8	106.1	152.4	219.4	307.1	529.0	833.1	1428.3	2958.5	10765.2	F		
0.7	0.3	0.8	1.2	1.1	2.2	3.9	5.9	12.3	19.7	M	Tuberculosis	010-018, 137/
0.1	-	0.2	0.2	0.4	0.6	0.9	2.8	4.6	8.8	F		A15-A19, B90
27.0	18.5	8.6	5.7	4.6	3.2	2.1	1.4	1.4	1.4	M	HIV	279.5, 279.6/B20-B24
6.0	3.8	1.7	0.6	0.1	0.3	0.5	0.3	-	-	F		
3.5	3.5	4.9	6.5	6.8	13.6	22.0	33.6	55.2	125.7	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.0	0.7	1.7	2.8	3.4	8.1	17.2	21.8	42.0	106.1	F		
27.5	66.8	141.9	248.3	379.5	629.4	869.0	1171.7	1717.7	2660.2	M	ALL CANCER	140-208/C00-C97
27.2	53.9	81.8	125.7	165.3	252.6	343.1	447.2	687.7	1212.6	F		
1.9	6.3	11.8	19.7	22.3	30.1	28.0	24.9	31.2	32.2	M	Mouth and pharynx cancer	140-149/C00-C14
0.2	0.7	1.1	2.1	2.2	2.5	3.4	4.0	4.9	12.6	F		
0.4	2.3	5.8	12.1	18.8	25.4	26.9	29.5	32.7	34.9	M	Oesophagus cancer	150/C15
0.1	0.2	0.6	0.7	1.4	1.8	1.6	2.9	4.2	10.3	F		
1.9	4.6	8.9	15.3	22.9	39.1	58.5	78.8	117.1	172.7	M	Stomach cancer	151/C16
1.2	3.5	3.7	6.3	7.4	12.1	22.3	29.7	48.3	102.9	F		
2.2	4.3	10.8	19.3	30.2	60.8	101.3	133.8	205.7	373.9	M	Colorectal cancer	153, 154/C18-C21
2.2	5.2	8.1	12.0	19.7	30.5	48.0	63.1	111.7	227.5	F		
0.5	1.7	3.7	8.7	16.5	26.8	44.7	62.9	77.6	95.9	M	Liver cancer	155.0/C22 excl C221
0.3	0.5	1.2	1.2	3.1	7.1	12.7	19.7	31.1	44.0	F		
0.9	2.0	4.1	10.1	16.5	27.4	37.2	43.9	57.1	77.2	M	Pancreas cancer	157/C25
0.6	0.9	2.2	5.1	9.0	13.7	22.3	27.8	47.1	67.9	F		
0.9	3.1	8.2	13.9	18.1	27.0	30.2	31.6	37.6	47.4	M	Larynx cancer	161/C32
-	0.3	0.4	0.2	0.2	0.3	0.6	0.5	0.7	1.2	F		
5.3	19.3	50.1	82.7	127.8	203.6	266.1	345.7	448.4	458.5	M	Lung cancer	162/C33, C34
2.5	5.9	9.0	10.9	11.4	16.5	19.0	24.1	34.9	49.0	F		
1.2	0.9	1.9	2.1	3.7	4.3	5.1	7.1	7.7	12.1	M	Malignant melanoma	172/C43
0.9	0.8	1.0	1.5	1.3	2.7	3.1	3.9	4.7	8.7	F		
8.3	16.6	24.3	35.6	41.3	55.3	58.2	66.9	87.3	150.0	F	Female breast cancer	174/C50
1.8	3.7	4.4	5.2	4.4	4.8	6.1	5.6	8.3	9.0	F	Cervix cancer	180/C53
0.2	0.6	1.9	4.9	6.5	9.3	14.6	18.5	23.9	41.1	F	Other uterine cancer	179, 182/C54, C55
1.4	2.7	4.7	11.0	13.2	18.0	19.2	23.1	31.1	32.6	F	Ovarian cancer	183/C56, C570-C574
0.1	0.1	0.9	2.9	6.2	24.0	47.7	91.2	207.5	555.0	M	Prostate cancer	185/C61
0.2	0.7	3.2	7.1	13.4	26.6	43.4	66.0	121.0	205.5	M	Bladder cancer	188/C67
0.2	-	0.6	0.8	1.3	3.2	3.3	8.4	15.3	42.3	F		
6.9	14.9	24.1	41.2	65.9	98.2	128.8	181.6	258.4	417.0	M	Other and ill-defined cancer sites	Rest of 140-199/rest of C00-C80, C97
4.8	8.7	13.0	20.2	30.9	51.6	74.7	102.3	158.4	304.3	F		
0.3	0.8	0.7	1.3	0.5	1.2	1.2	1.9	3.7	4.5	M	Hodgkin's disease	201/C81
0.6	0.2	0.3	0.3	0.4	0.6	0.9	1.9	1.4	3.2	F		
2.7	3.2	4.2	5.9	10.6	21.1	29.5	45.0	68.1	86.0	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/C82-C90, C96
1.2	1.7	2.8	4.6	7.2	14.2	22.1	29.6	49.7	60.5	F		
2.0	2.6	3.5	5.9	6.1	13.7	20.6	27.8	43.8	87.1	M	Leukaemia	204-208/C91-C95
0.7	1.8	2.6	3.2	4.5	8.5	10.9	15.4	24.5	45.6	F		
0.9	1.7	1.6	6.4	11.5	23.7	35.7	67.4	124.5	296.9	M	Diabetes	250/E10-E14
0.5	0.7	1.0	1.6	6.0	12.5	28.0	56.0	127.6	365.0	F		
22.1	44.7	76.9	133.6	196.1	372.9	570.4	956.1	1791.6	4886.4	M	ALL VASCULAR DISEASE	390-459/I00-I99
7.9	13.3	22.0	32.5	56.0	123.1	230.2	494.2	1169.0	5034.9	F		
0.3	0.4	1.0	2.0	3.1	5.7	9.5	13.0	15.6	19.7	M	Rheumatic heart disease and fever	390-398/I00-I09
0.4	0.3	0.6	2.2	3.9	10.0	15.0	21.9	33.6	44.0	F		
0.3	0.7	0.9	3.1	4.2	9.8	14.5	26.0	48.3	153.6	M	Hypertensive disease	401-405/I10-I15
0.1	0.3	1.0	1.3	2.1	3.3	10.4	24.0	59.0	263.3	F		
10.5	24.6	41.4	77.0	104.8	191.5	288.6	430.2	715.3	1461.0	M	Ischaemic heart disease	410-414/I20-I25
1.4	3.6	6.7	9.6	16.9	38.1	84.1	162.2	347.1	1087.8	F		
1.2	2.2	3.8	3.4	4.4	10.2	10.2	18.6	35.5	83.8	M	Pulmonary embolism and other venous	415.1, 451-453/I26, I80-I82
0.4	0.9	1.3	1.8	2.8	4.9	6.6	15.0	32.6	103.6	F		
3.7	5.7	13.5	21.8	35.2	71.3	114.6	237.6	507.6	1503.9	M	Cerebrovascular disease	430-438/I60-I69
3.2	4.1	8.2	10.6	16.2	35.9	60.4	147.9	381.8	1592.4	F		
6.1	11.2	16.4	26.2	44.3	84.4	133.1	230.7	469.3	1664.5	M	Other vascular disease	Rest of 390-459/rest of I00-I99
2.4	4.0	4.2	6.9	14.1	31.0	53.8	123.3	314.8	1943.9	F		
0.5	2.0	3.8	6.9	18.1	51.3	106.4	214.7	466.1	1204.7	M	Chronic obstructive pulmonary disease	490-496/J40-J47, J67
0.4	1.0	1.1	1.9	3.2	8.5	16.6	34.8	80.2	313.4	F		
6.4	8.3	9.6	14.4	23.3	48.1	83.6	153.4	379.4	1274.5	M	Other respiratory disease	Rest of 460-519/rest of J00-J98
2.7	3.1	4.5	5.3	9.3	15.4	32.8	71.7	186.3	963.7	F		
0.2	0.3	0.9	1.4	1.4	2.9	2.9	6.4	13.5	37.0	M	Peptic ulcer	531-533/K25-K27
0.2	0.1	0.1	0.2	0.2	0.7	1.2	2.7	6.4	23.1	F		
5.7	13.2	19.8	30.5	35.1	52.3	56.6	58.9	69.0	62.8	M	Liver cirrhosis	571/K70, K74
1.8	2.1	5.6	7.6	10.2	14.9	19.3	25.9	39.5	30.9	F		
0.7	1.4	2.2	2.7	6.1	12.2	20.9	43.9	88.3	311.1	M	Renal disease	580-590/N00-N19
0.4	0.6	1.3	1.5	2.8	7.4	14.1	24.0	57.4	204.2	F		
0.1	0.1	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
1.4	1.1	0.8	1.7	1.0	1.2	1.3	0.6	4.4	2.3	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.7	1.3	1.0	0.7	1.1	1.9	1.8	1.4	1.9	3.2	F		
7.9	9.2	10.4	12.1	16.6	24.5	31.0	43.4	81.6	387.9	M	Ill-defined causes	780-799/R00-R99
1.9	2.3	2.9	3.9	3.4	7.4	12.2	19.2	53.5	436.9	F		
13.7	17.8	27.0	39.5	52.8	91.2	146.1	258.5	585.9	1858.5	M	Other medical causes	Rest of 001-799/rest of A00-R99
6.7	10.1	13.0	18.9	29.2	54.5	88.8	188.1	449.7	1944.0	F		
63.9	58.7	59.1	57.5	59.3	71.1	69.7	87.3	126.1	223.4	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
12.2	12.9	14.2	16.0	16.4	20.9	26.5	38.3	52.8	118.3	F		
22.8	22.1	21.1	20.5	22.8	24.5	22.8	26.1	30.8	32.0	M	Motor vehicle traffic accidents	E810-E819/part of V01-V99
4.4	5.5	5.4	6.1	6.0	6.9	8.9	10.1	13.4	13.1	F		
0.5	0.4	0.9	0.5	0.7	1.0	0.7	0.9	3.3	3.9	M	Fire	E890-E899/X00-X09
0.2	0.2	0.4	-	0.2	-	0.4	0.4	1.4	3.0	F		
13.7	13.0	13.8	13.2	14.1	17.9	20.3	24.2	34.3	59.8	M	Suicide	E950-E959/X60-X84
2.9	3.5	4.1	5.3	4.8	7.1	6.9	8.3	8.7	9.9	F		
2.1	2.6	2.2	1.5	1.6	1.8	0.9	0.2	0.7	1.2	M	Homicide	E960-E969/X85-X99, Y00-Y09
0.7	0.8	0.5	0.7	0.5	0.2	0.4	0.5	1.0	0.4	F		
1613	1486	1250	1178	1060	866	990	848	571	487	M	POPULATION	
1600	1498	1260	1204	1108	946	1130	1052	803	964	F	(1000s; UN, 2002 revision)	

SPAIN: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	11399	771	47	26	698	44	306	748	135	4717	4678
35-69	Sm.	21155	11662	7337	2292	2033	1717	493	4589	-	2694	-
	Total	62229	24769	7943	3532	13294	2253	1777	16472	3105	8944	4909
		(34%)	(47%)	(92%)	(65%)	(15%)	(76%)	(28%)	(28%)		(30%)	
70+	Sm.	23485	9520	6238	972	2310	6706	692	4522	-	2045	-
	Total	110860	28607	6941	1710	19956	9492	6742	42606	1558	19559	2296
		(21%)	(33%)	(90%)	(57%)	(12%)	(71%)	(10%)	(11%)		(10%)	
Any age	Sm.	44640	21182	13575	3264	4343	8423	1185	9111	-	4739	-
	Total	184488	54147	14931	5268	33948	11789	8825	59826	4798	33220	11883
		(24%)	(39%)	(91%)	(62%)	(13%)	(71%)	(13%)	(15%)		(14%)	
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	7972	623	29	25	569	19	228	416	60	2321	4305
35-69	Sm.	19512	11144	7112	2089	1943	1390	540	3945	-	2493	-
	Total	58662	24207	7724	3271	13212	1854	2007	14508	2280	8552	5254
		(33%)	(46%)	(92%)	(64%)	(15%)	(75%)	(27%)	(27%)		(29%)	
70+	Sm.	25411	10516	6905	1036	2575	7239	949	4289	-	2418	-
	Total	122834	32695	7724	1867	23104	10349	9674	42132	1199	24237	2548
		(21%)	(32%)	(89%)	(55%)	(11%)	(70%)	(10%)	(10%)		(10%)	
Any age	Sm.	44923	21660	14017	3125	4518	8629	1489	8234	-	4911	-
	Total	189468	57525	15477	5163	36885	12222	11909	57056	3539	35110	12107
		(24%)	(38%)	(91%)	(61%)	(12%)	(71%)	(13%)	(14%)		(14%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		19577	10021	7933	1462	1269	1201	1083	938	1042	937	738	445	439
2000		19987	9639	8442	1613	1486	1250	1178	1060	866	990	848	571	487
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		184488	11399	62229	3447	3400	4875	6192	8955	14998	20362	25820	25279	59761
2000		189468	7972	58662	2935	3678	4603	6691	8622	12125	20008	26300	31507	65027
Lung cancer														
1995		14931	47	7943	117	284	608	821	1257	2173	2683	2830	2020	2091
2000		15477	29	7724	85	287	626	974	1355	1764	2633	2930	2561	2233
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)														
All causes														
1995		864.8*	108.0*	864.0*	235.7	267.9	405.8	571.6	954.7	1439.2	2172.6	3498.2	5676.8	13609.9
2000		804.7*	77.0*	800.1*	182.0	247.5	368.3	568.1	813.5	1399.8	2021.8	3103.2	5516.9	13352.6
All cancer														
1995		256.6*	7.3*	349.3*	32.8	72.9	154.6	247.3	417.2	638.3	881.8	1265.8	1731.9	2630.8
2000		248.6*	5.9*	337.5*	27.5	66.8	141.9	248.3	379.5	629.4	869.0	1171.7	1717.7	2660.2
Lung cancer														
1995		71.2*	0.4*	112.2*	8.0	22.4	50.6	75.8	134.0	208.5	286.3	383.4	453.6	476.2
2000		68.1*	0.2*	107.8*	5.3	19.3	50.1	82.7	127.8	203.6	266.1	345.7	448.4	458.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		26.6*	0.2*	49.2*	3.1	13.1	32.3	49.9	75.8	84.9	84.9	97.1	100.6	124.1
2000		24.1*	0.2*	44.8*	3.2	11.6	25.8	45.8	59.2	82.5	85.1	86.0	101.6	114.6
Other cancer														
1995		158.8*	6.7*	187.9*	21.7	37.4	71.7	121.6	207.4	344.9	510.6	785.3	1177.6	2030.5
2000		156.3*	5.5*	184.9*	19.0	35.9	65.9	119.8	192.5	343.2	517.9	739.9	1167.7	2087.1
Chronic obstructive pulmonary disease (COPD)														
1995		53.2*	0.4*	32.8*	0.8	2.0	4.8	10.3	28.4	57.9	125.6	273.1	508.2	1187.2
2000		48.8*	0.2*	27.0*	0.5	2.0	3.8	6.9	18.1	51.3	106.4	214.7	466.1	1204.7
Other respiratory disease														
1995		40.5*	2.8*	24.9*	6.2	7.0	8.5	12.8	24.0	41.6	74.5	140.2	297.1	998.4
2000		48.6*	2.1*	27.7*	6.4	8.3	9.6	14.4	23.3	48.1	83.6	153.4	379.4	1274.5
Vascular disease														
1995		276.3*	6.8*	232.7*	31.3	52.8	92.4	139.7	250.5	399.1	662.9	1150.1	2027.4	5713.7
2000		236.7*	3.6*	202.4*	22.1	44.7	76.9	133.6	196.1	372.9	570.4	956.1	1791.6	4886.4
Liver cirrhosis														
1995		23.8*	1.2*	42.6*	10.4	18.1	26.2	34.5	57.2	69.2	82.8	91.9	96.3	102.7
2000		16.5*	0.5*	30.5*	5.7	13.2	19.8	30.5	35.1	52.3	56.6	58.9	69.0	62.8
Other medical causes														
1995		157.7*	48.2*	119.0*	92.9	61.9	63.9	70.7	108.3	163.8	271.3	476.4	898.5	2742.4
2000		150.6*	26.5*	112.4*	55.9	53.8	57.2	77.1	102.1	174.7	266.1	461.1	966.9	3040.5
All non-medical causes														
1995		56.8*	41.2*	62.6*	61.4	53.2	55.4	56.2	69.1	69.3	73.7	100.7	117.4	234.6
2000		55.1*	38.2*	62.8*	63.9	58.7	59.1	57.5	59.3	71.1	69.7	87.3	126.1	223.4

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: SPAIN

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	4402	585	16	11	558	24	112	293	29	2240	1119
35-69	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	27044 (0%)	12435 (0%)	659 (0%)	199 (0%)	11577 (0%)	438 (0%)	659 (0%)	6437 (0%)	990	4647 (0%)	1438
70+	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	130293 (0%)	19737 (0%)	904 (0%)	387 (0%)	18446 (0%)	3953 (0%)	7524 (0%)	65154 (0%)	1080	30960 (0%)	1885
Any age	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	161739 (0%)	32757 (0%)	1579 (0%)	597 (0%)	30581 (0%)	4415 (0%)	8295 (0%)	71884 (0%)	2099	37847 (0%)	4442
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	3324	526	10	8	508	12	80	186	23	1469	1028
35-69	Sm.	419	232	191	16	25	27	13	73	-	74	-
	Total	25082 (2%)	11883 (2%)	870 (22%)	233 (7%)	10780 (0%)	363 (7%)	831 (2%)	5378 (1%)	694	4494 (2%)	1439
70+	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	142517 (0%)	21912 (0%)	1006 (0%)	388 (0%)	20518 (0%)	4030 (0%)	11536 (0%)	63103 (0%)	888	39081 (0%)	1967
Any age	Sm.	419	232	191	16	25	27	13	73	-	74	-
	Total	170923 (0%)	34321 (1%)	1886 (10%)	629 (3%)	31806 (0%)	4405 (1%)	12447 (0%)	68667 (0%)	1605	45044 (0%)	4434

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		20358	9605	8292	1463	1274	1217	1111	999	1142	1087	934	683	845
2000		20766	9203	8745	1600	1498	1260	1204	1108	946	1130	1052	803	964
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		161739	4402	27044	1291	1448	1940	2566	3614	6324	9861	15264	22021	93008
2000		170923	3324	25082	1117	1589	1920	2640	3402	5002	9412	15027	23757	103733
Lung cancer														
1995		1579	16	659	39	53	55	74	84	152	202	247	242	415
2000		1886	10	870	40	88	114	131	126	156	215	254	280	472
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
1995		485.5*	47.9*	345.0*	88.3	113.7	159.4	231.0	361.7	553.8	907.5	1634.3	3224.2	11009.5
2000		453.1*	37.2*	316.7*	69.8	106.1	152.4	219.4	307.1	529.0	833.1	1428.3	2958.5	10765.2
All cancer														
1995		116.3*	5.7*	158.9*	34.8	56.5	88.0	125.5	195.7	256.2	355.3	493.5	709.8	1216.9
2000		110.4*	5.1*	150.0*	27.2	53.9	81.8	125.7	165.3	252.6	343.1	447.2	687.7	1212.6
Lung cancer														
1995		5.7*	0.1*	8.3*	2.7	4.2	4.5	6.7	8.4	13.3	18.6	26.4	35.4	49.1
2000		6.7*	0.1*	10.7*	2.5	5.9	9.0	10.9	11.4	16.5	19.0	24.1	34.9	49.0
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		2.1*	0.1*	2.5*	0.5	0.9	1.8	2.5	2.7	3.8	5.4	8.1	13.5	25.9
2000		2.1*	0.1*	2.9*	0.3	1.1	2.1	3.0	3.8	4.7	5.6	7.3	9.8	24.1
Other cancer														
1995		108.5*	5.5*	148.0*	31.6	51.4	81.7	116.3	184.6	239.1	331.3	458.9	660.9	1141.8
2000		101.7*	5.0*	136.3*	24.4	46.9	70.7	111.8	150.1	231.5	318.5	415.7	643.0	1139.6
Chronic obstructive pulmonary disease (COPD)														
1995		12.2*	0.2*	5.7*	0.5	0.4	1.6	2.1	6.1	10.4	18.6	45.9	100.7	335.7
2000		10.6*	0.1*	4.7*	0.4	1.0	1.1	1.9	3.2	8.5	16.6	34.8	80.2	313.4
Other respiratory disease														
1995		22.4*	1.2*	8.4*	2.1	2.6	3.2	4.5	6.2	15.0	25.1	56.4	147.6	708.9
2000		29.3*	0.8*	10.5*	2.7	3.1	4.5	5.3	9.3	15.4	32.8	71.7	186.3	963.7
Vascular disease														
1995		194.8*	2.9*	83.0*	9.4	15.6	26.0	42.3	69.2	137.2	281.2	623.2	1420.4	5875.0
2000		163.8*	1.8*	69.3*	7.9	13.3	22.0	32.5	56.0	123.1	230.2	494.2	1169.0	5034.9
Liver cirrhosis														
1995		7.9*	0.3*	12.7*	2.2	4.9	5.6	8.6	14.1	21.9	31.4	38.8	46.1	47.7
2000		5.6*	0.2*	8.8*	1.8	2.1	5.6	7.6	10.2	14.9	19.3	25.9	39.5	30.9
Other medical causes														
1995		114.4*	26.8*	58.7*	26.4	20.0	21.4	32.7	50.5	92.1	168.0	336.7	742.5	2692.2
2000		116.8*	19.0*	56.5*	17.6	19.8	23.1	30.3	46.7	93.5	164.6	316.1	743.1	3091.3
All non-medical causes														
1995		17.6*	10.8*	17.7*	12.8	13.7	13.6	15.4	19.9	20.9	27.8	39.7	57.1	133.0
2000		16.6*	10.1*	17.0*	12.2	12.9	14.2	16.0	16.4	20.9	26.5	38.3	52.8	118.3

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

SPAIN: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 8.0	– / 3.3	–
35–69	20 / 59	0.4 / 25	23 years
70+	25 / 123	0.0 / 143	8 years
All ages	45 / 189	0.4 / 171	15 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

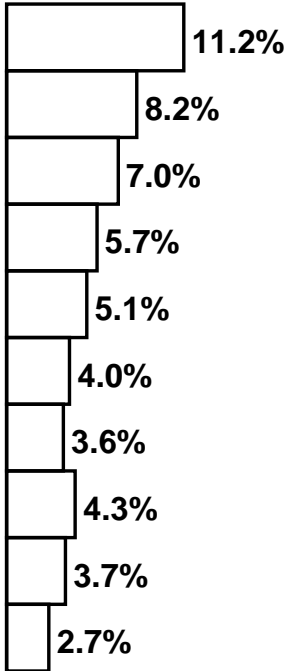
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	7.1/7.7	6.9/7.7	14/15	–/0.0	0.2/0.9	0.0/1.0	0.2/1.9
All Cancer	–/0.6	11/24 (46%)	11/33 (32%)	22/58	–/0.5	0.2/12 (2%)	0.0/22 (0%)	0.2/34
Vascular	–/0.4	3.9/15	4.3/42	8.2/57	–/0.2	0.1/5.4	0.0/63	0.1/69
Respiratory	–/0.2	1.9/3.9	8.2/20	10/24	–/0.1	0.0/1.2	0.0/16	0.0/17
All Other	–/6.7	2.5/16	2.4/28	4.9/51	–/2.5	0.1/6.6	0.0/42	0.1/51
All Causes	–/8.0	20/59 (33%)	25/123 (21%)	45/189	–/3.3	0.4/25 (2%)	0.0/143 (0%)	0.4/171

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	22 / 58 (38%)	0.2 / 34 (0.7%)	22 / 92 (24%)
All Causes	45 / 189 (24%)	0.4 / 171 (0.2%)	45 / 360 (13%)

1955-2000: SPAIN

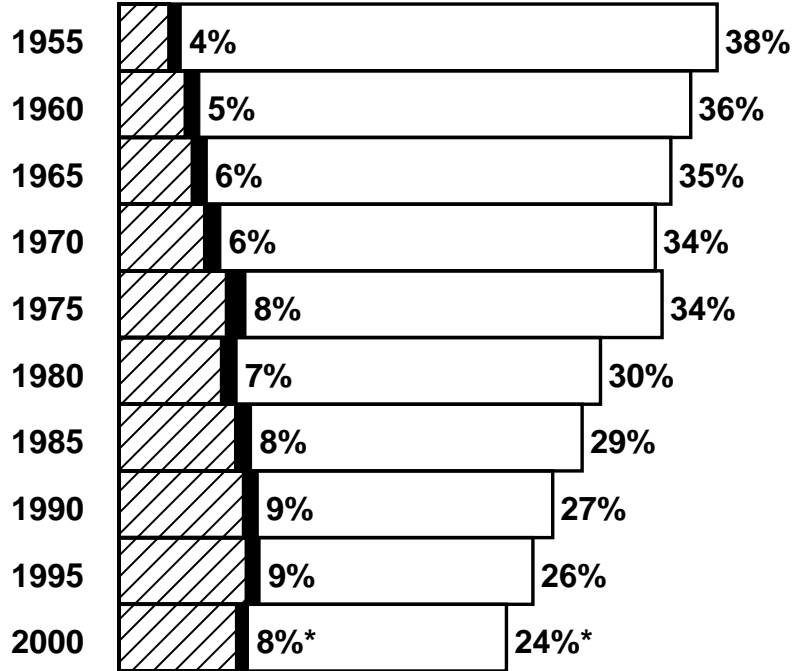
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

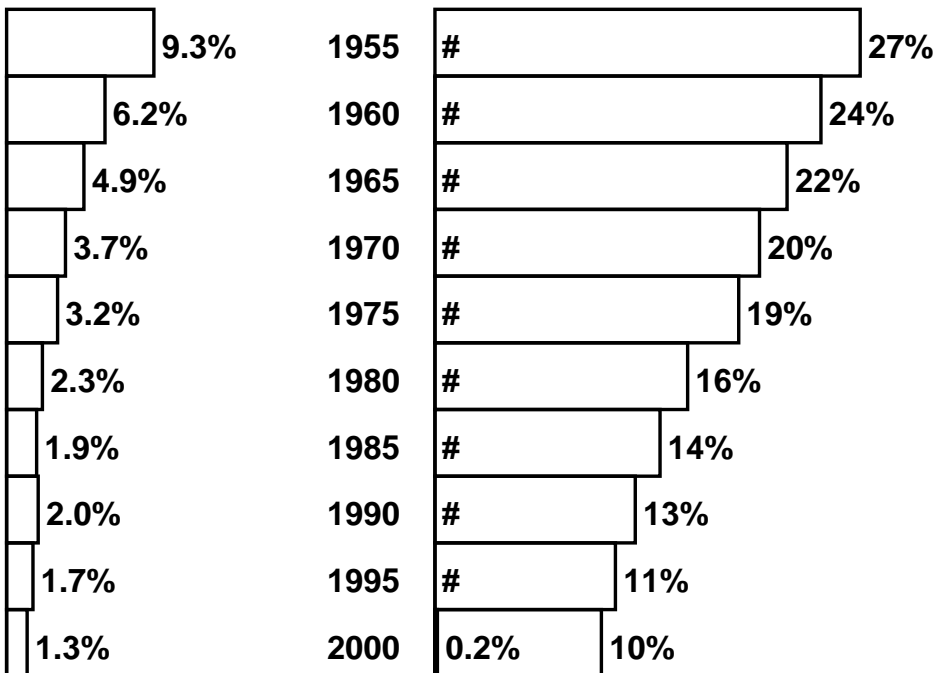
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 24 would die before age 70 (with 8 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

SPAIN: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/32	5.6/52 (11%)	1.5/52 (3%)	7.1/135	-/25	0.0/40	0.0/68	0.0/134
1960	-/24	7.6/52 (15%)	3.3/57 (6%)	11/133	-/18	0.3/39	0.0/73	0.3/129
1965	-/21	8.9/55 (16%)	4.9/62 (8%)	14/138	-/14	0.0/38	0.0/78	0.0/130
1970	-/17	11/59 (19%)	6.3/68 (9%)	17/144	-/11	0.4/38	0.0/87	0.4/136
1975	-/16	14/62 (23%)	10/78 (13%)	25/155	-/9.8	0.0/37	0.0/96	0.0/143
1980	-/12	14/58 (25%)	12/82 (14%)	26/152	-/6.9	0.0/32	0.0/98	0.0/137
1985	-/10	17/60 (29%)	16/94 (17%)	33/165	-/5.1	0.0/30	0.0/113	0.0/148
1990	-/13	20/63 (32%)	19/101 (19%)	39/177	-/5.2	0.0/29	0.0/122	0.0/156
1995	-/11	21/62 (34%)	23/111 (21%)	45/184	-/4.4	0.0/27	0.0/130	0.0/162
2000	-/8.0	20/59 (33%)	25/123 (21%)	45/189	-/3.3	0.4/25 (2%)	0.0/143	0.4/171

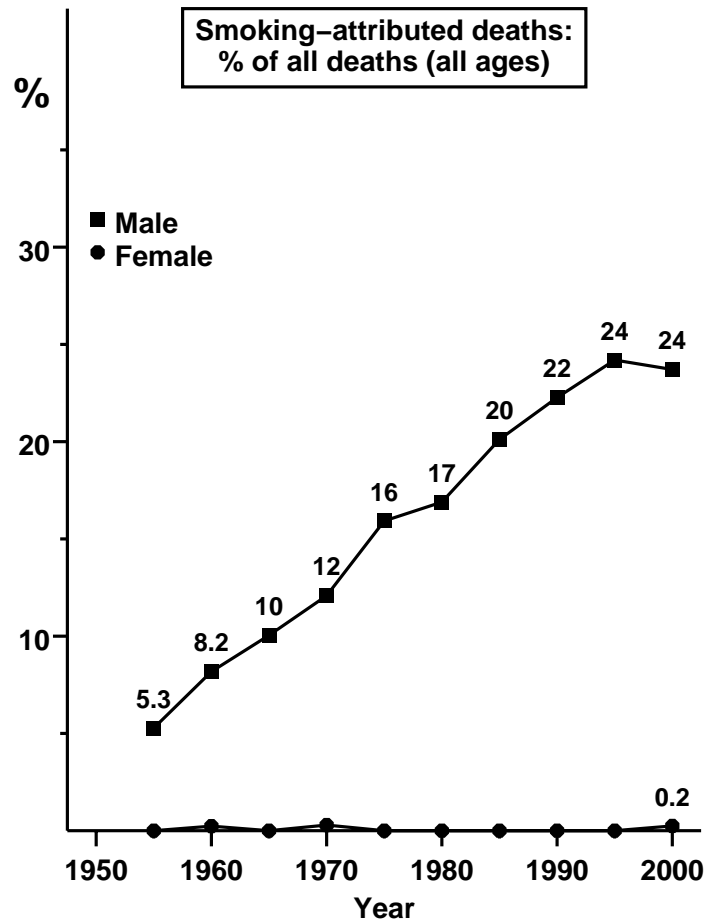
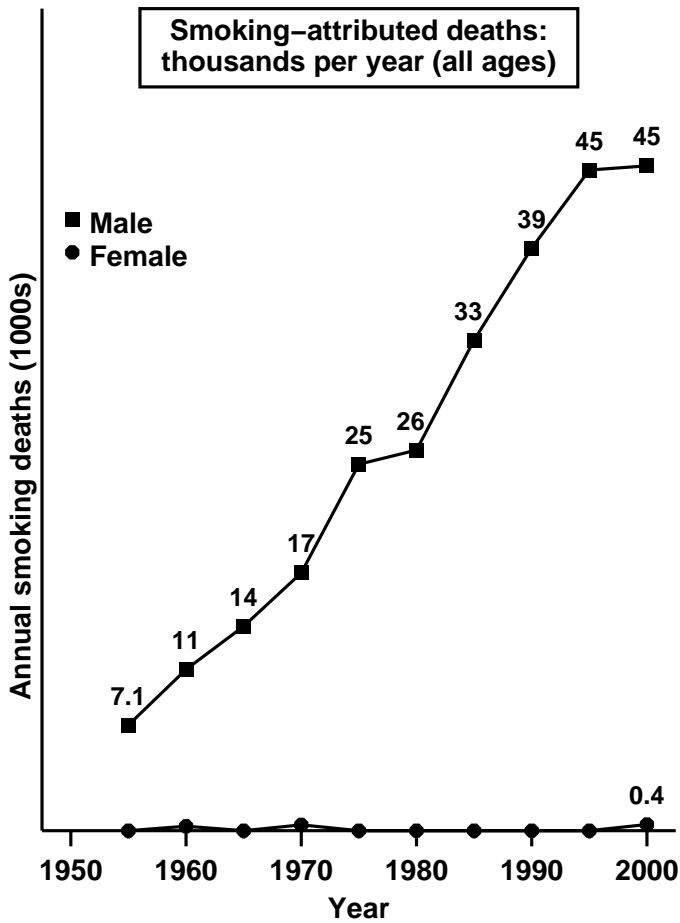
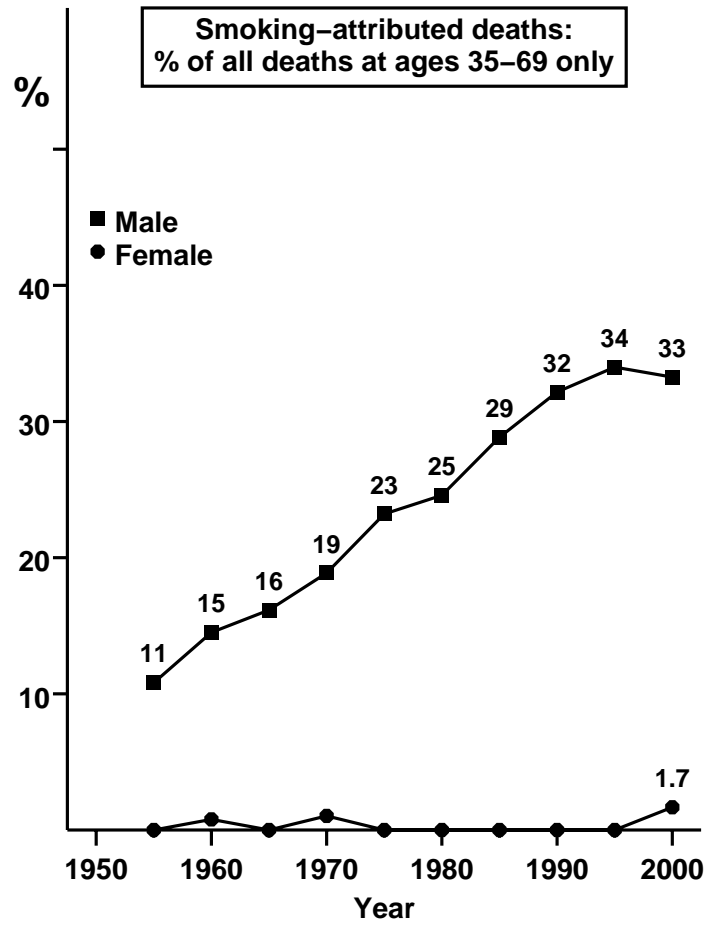
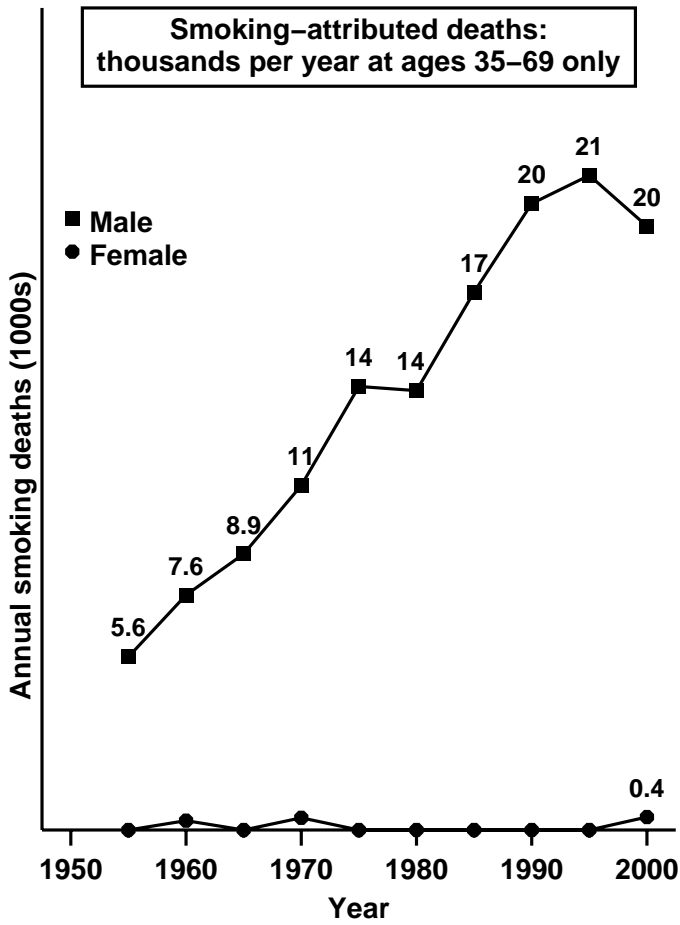
50-year total* (thousands), mid-1950 to mid-2000: 1235 / 14937

1950-2000 by age & sex:

-/901	674/2912 (23%)	561/3963 (14%)	1235/7775	-/588	0.0/1723 (0%)	0.0/4851 (0%)	0.0/7161
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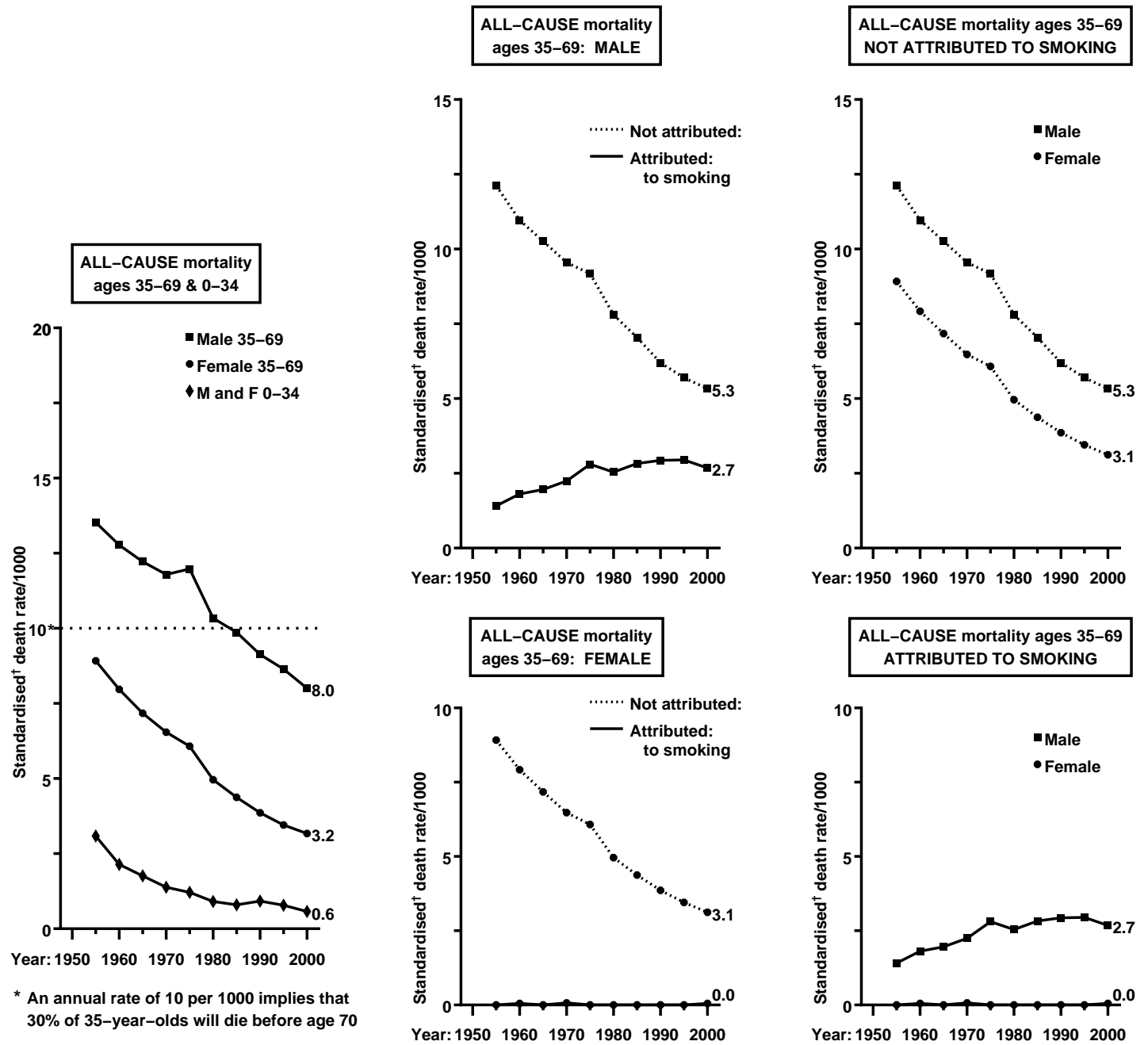
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: SPAIN



SPAIN: 1955-2000

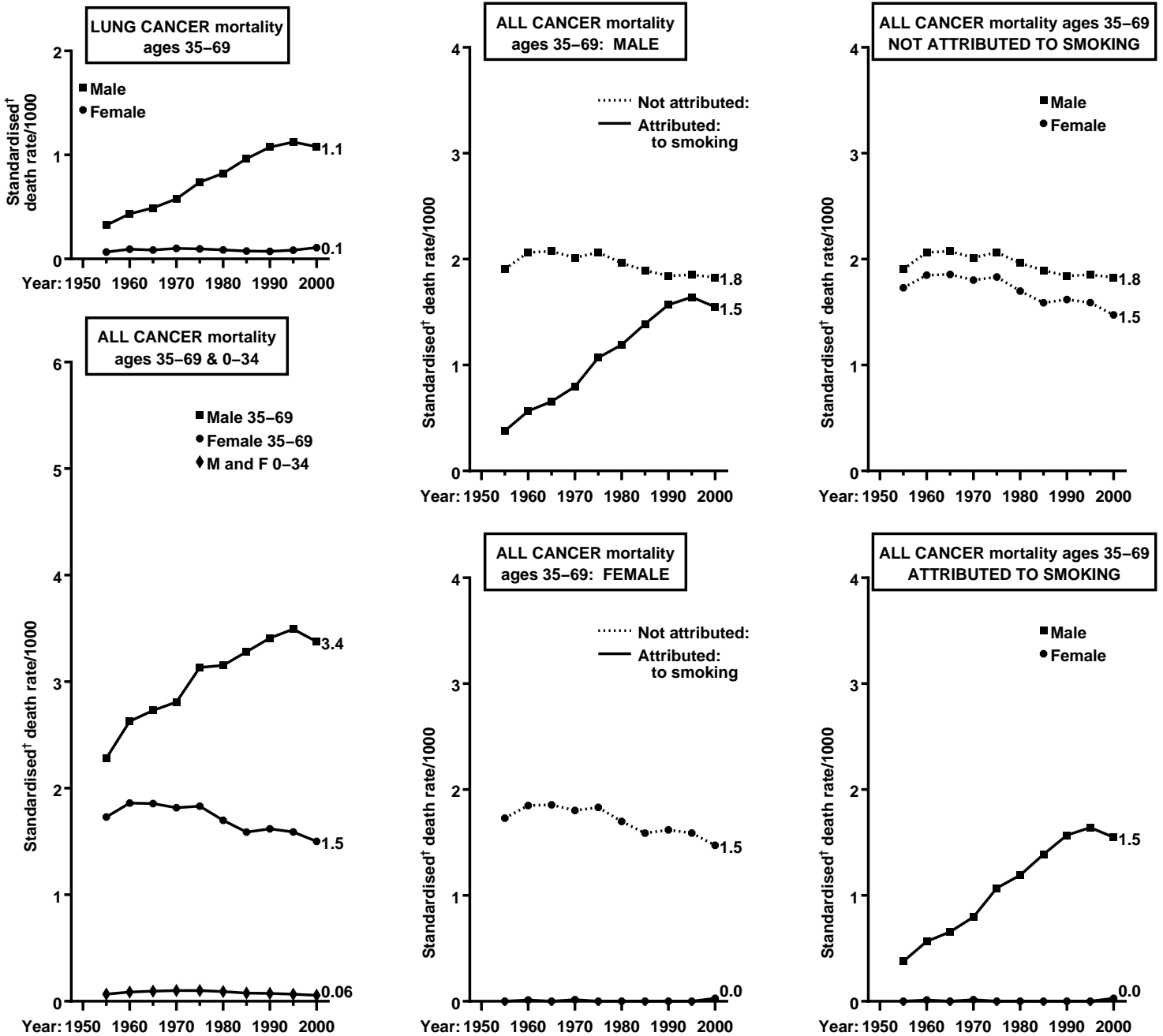
Trends in ALL-CAUSE mortality attributed and not attributed to smoking



Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	
1955	-	3.38	1.41	12.1	2.59	75.1	-	2.78	0.00	8.92	0.00	57.4	-	2.78	0.00	8.92	0.00	
1960	-	2.45	1.81	11.0	4.68	67.6	-	1.83	0.05	7.92	0.00	53.5	-	1.83	0.05	7.92	0.00	
1965	-	2.09	1.96	10.3	6.55	68.5	-	1.43	0.00	7.17	0.00	54.3	-	1.43	0.00	7.17	0.00	
1970	-	1.68	2.24	9.55	7.00	61.3	-	1.08	0.07	6.47	0.00	47.7	-	1.08	0.07	6.47	0.00	
1975	-	1.48	2.80	9.17	10.6	61.1	-	0.93	0.00	6.07	0.00	47.9	-	0.93	0.00	6.07	0.00	
1980	-	1.16	2.54	7.80	9.83	52.8	-	0.65	0.00	4.96	0.00	38.0	-	0.65	0.00	4.96	0.00	
1985	-	1.04	2.83	7.04	10.8	45.9	-	0.55	0.00	4.37	0.00	32.7	-	0.55	0.00	4.37	0.00	
1990	-	1.26	2.93	6.19	11.2	39.5	-	0.57	0.00	3.86	0.00	28.1	-	0.57	0.00	3.86	0.00	
1995	-	1.08	2.95	5.69	11.2	34.7	-	0.48	0.00	3.45	0.00	24.3	-	0.48	0.00	3.45	0.00	
2000	-	0.77	2.67	5.33	10.1	33.0	-	0.37	0.05	3.12	0.00	21.9	-	0.37	0.05	3.12	0.00	

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

Trends in ALL CANCER mortality attributed and not attributed to smoking



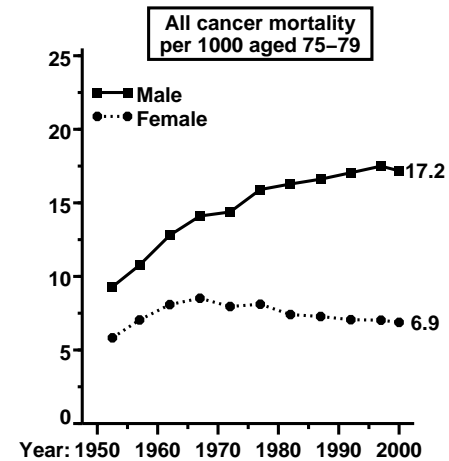
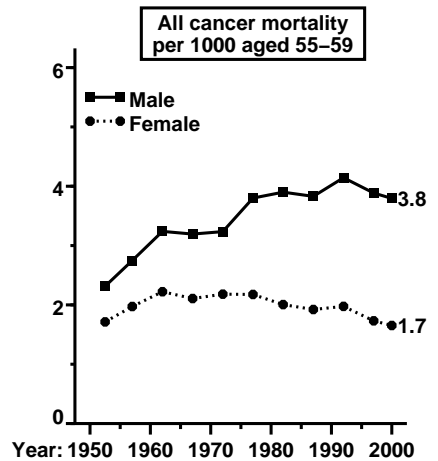
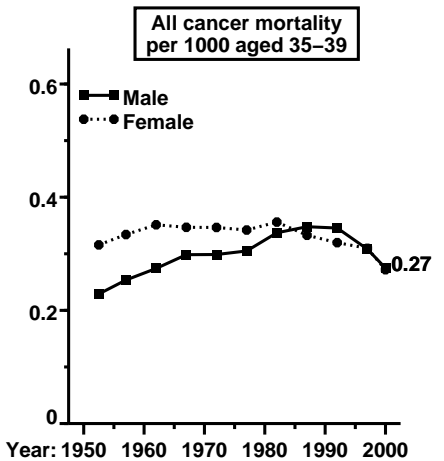
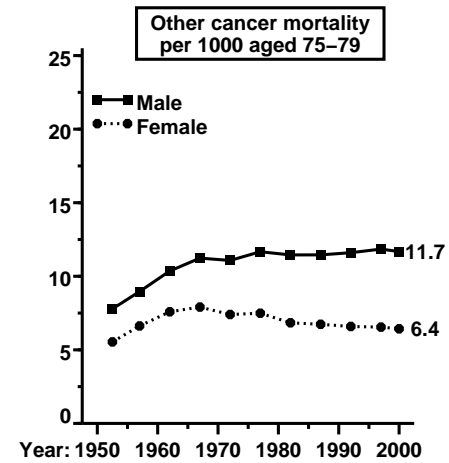
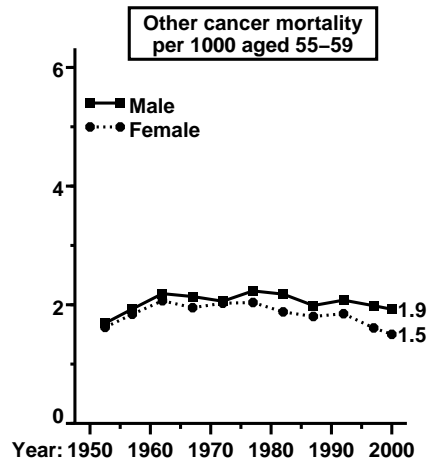
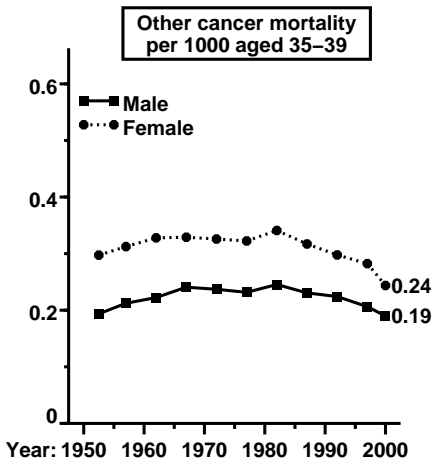
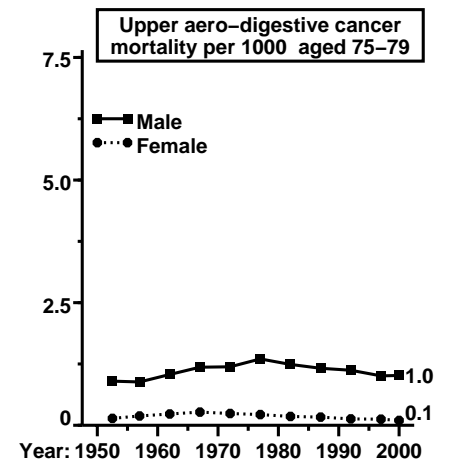
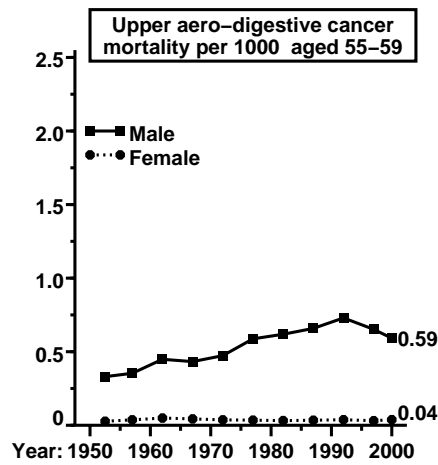
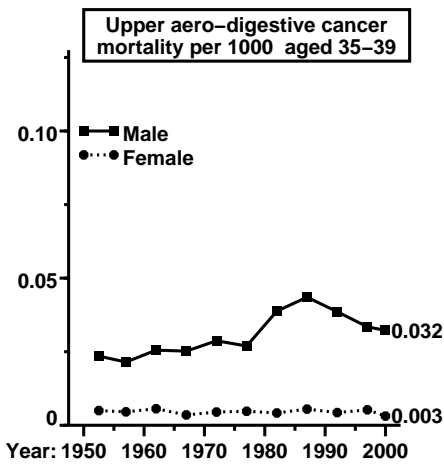
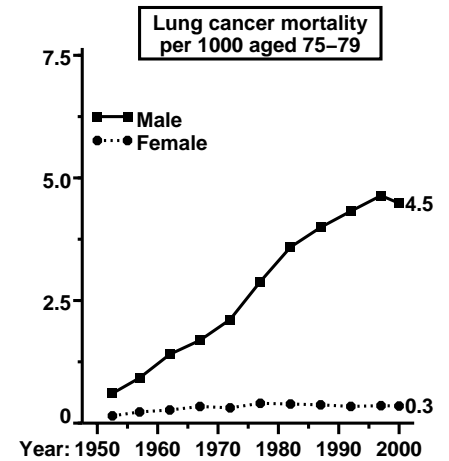
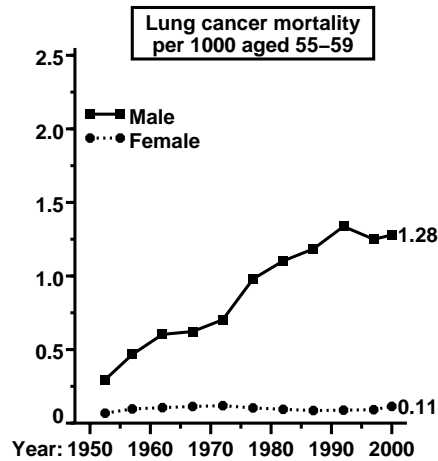
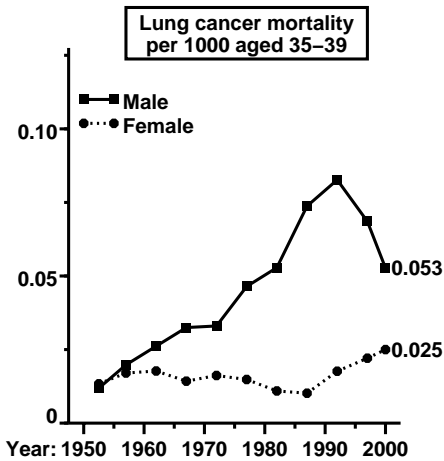
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955	-	0.07	0.38	1.90	0.64	8.63	-	0.07	0.00	1.73	0.00	6.00	0.00	6.00		
1960	-	0.09	0.56	2.06	1.36	9.06	-	0.08	0.01	1.85	0.00	6.51	0.00	6.51		
1965	-	0.11	0.66	2.07	2.03	10.9	-	0.08	0.00	1.85	0.00	7.10	0.00	7.10		
1970	-	0.11	0.80	2.01	2.18	9.77	-	0.09	0.01	1.80	0.00	6.74	0.00	6.74		
1975	-	0.11	1.07	2.06	3.47	10.2	-	0.09	0.00	1.83	0.00	7.11	0.00	7.11		
1980	-	0.10	1.19	1.96	4.18	10.1	-	0.08	0.00	1.70	0.00	6.67	0.00	6.67		
1985	-	0.08	1.39	1.89	4.70	9.71	-	0.07	0.00	1.59	0.00	6.29	0.00	6.29		
1990	-	0.08	1.57	1.84	5.13	9.75	-	0.06	0.00	1.62	0.00	6.03	0.00	6.03		
1995	-	0.07	1.64	1.85	5.48	9.51	-	0.06	0.00	1.59	0.00	6.02	0.00	6.02		
2000	-	0.06	1.55	1.83	5.13	9.31	-	0.05	0.03	1.47	0.00	5.67	0.00	5.67		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

SPAIN: 1951-2000

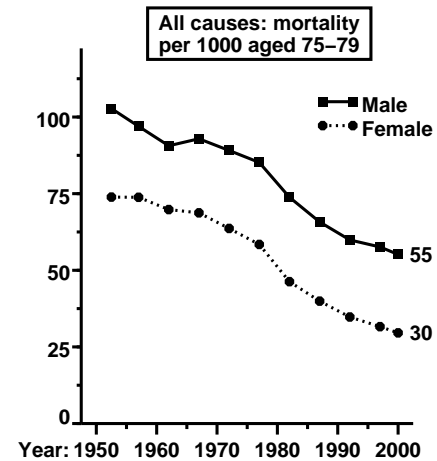
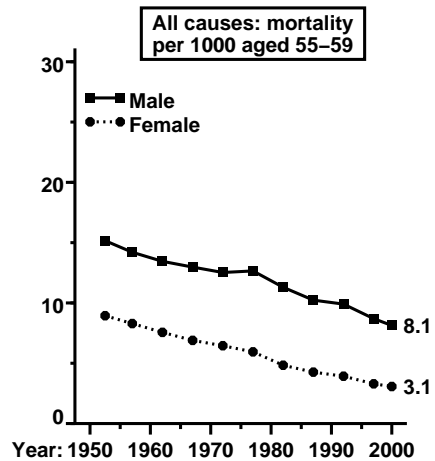
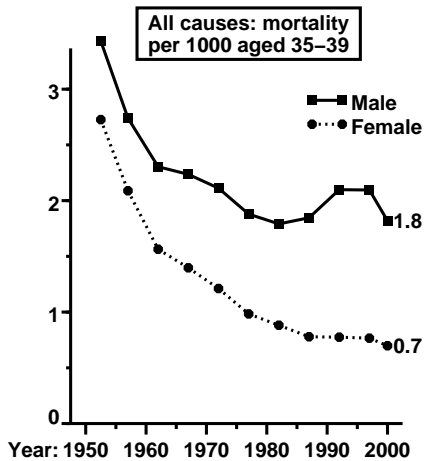
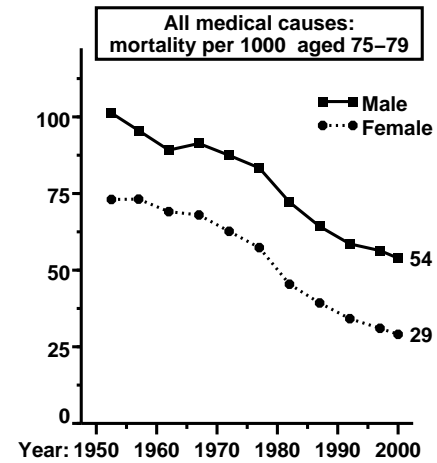
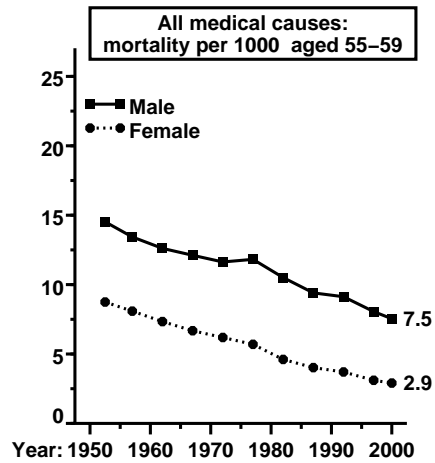
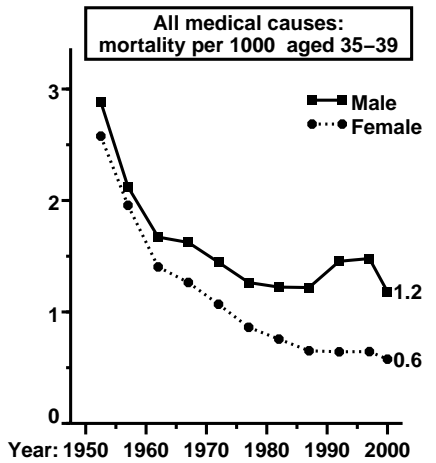
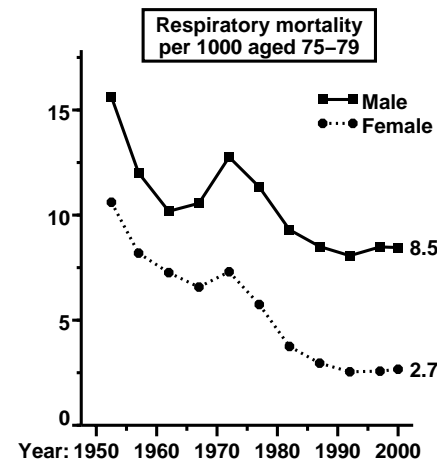
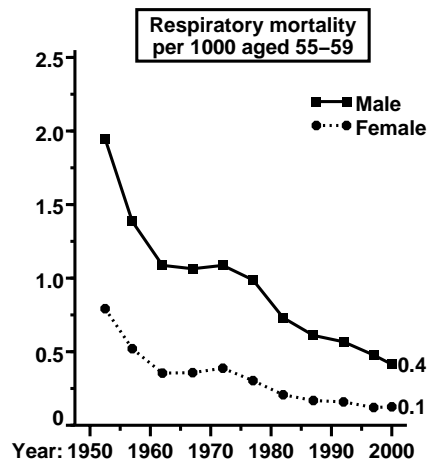
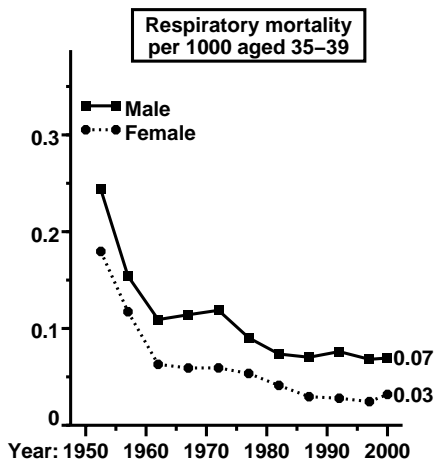
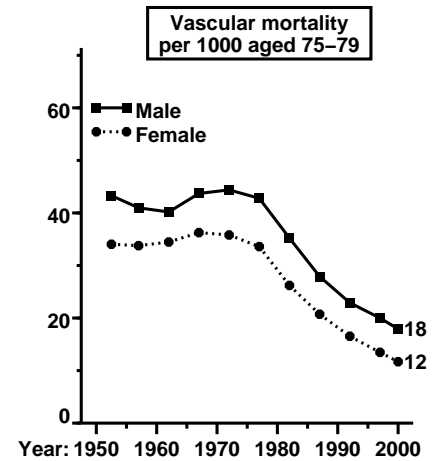
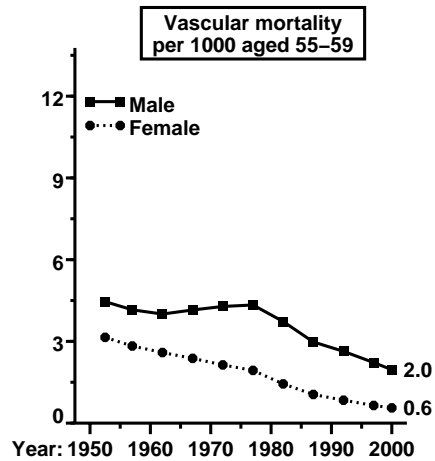
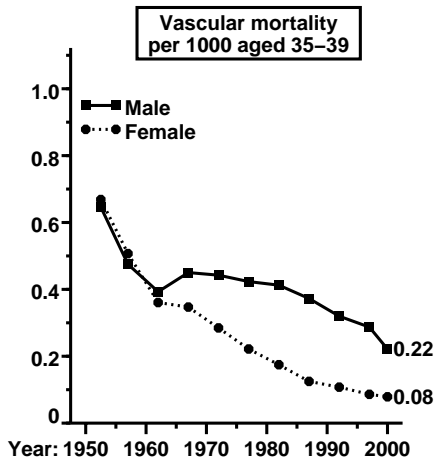
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1950–54,.....,1995–99; then year 2000 separately

1951-2000: SPAIN

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

SWEDEN: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	45710	1077	10394	727.0	55.8	637.3	90.3	9.8	14.0	48.0	77.2	75.0	76.3
	F	47806	490	6708	486.4	27.3	396.7	65.2	9.6	12.9	23.3	25.3	26.1	28.3
Tuberculosis	M	36	-	1	0.5	-	0.1	-	-	-	-	-	-	-
	F	33	1	2	0.3	0.0	0.1	-	-	-	-	-	0.3	-
HIV	M	22	2	20	0.5	0.1	1.0	-	-	-	-	-	-	0.6
	F	4	-	4	0.1	-	0.2	-	-	-	-	-	-	-
Other infective and parasitic	M	435	13	81	6.8	0.7	4.9	3.0	0.3	0.7	0.4	0.4	0.3	-
	F	477	4	60	4.7	0.2	3.5	0.5	0.3	-	0.8	-	-	-
ALL CANCER	M	11033	120	3330	183.6	5.9	209.1	1.7	2.6	4.1	7.0	5.7	8.4	11.8
	F	10120	75	3414	138.2	3.9	198.9	2.3	3.8	3.6	2.0	4.0	4.5	6.8
Mouth and pharynx cancer	M	162	5	73	3.0	0.2	4.3	-	-	-	-	-	0.3	1.2
	F	104	-	36	1.4	-	2.2	-	-	-	-	-	-	-
Oesophagus cancer	M	246	3	107	4.4	0.1	6.7	-	-	-	-	-	0.3	0.6
	F	108	-	30	1.4	-	1.9	-	-	-	-	-	-	-
Stomach cancer	M	503	2	149	8.3	0.1	9.3	-	-	-	-	-	0.3	0.3
	F	359	1	101	4.5	0.0	6.0	-	-	-	-	-	0.3	-
Colorectal cancer	M	1231	6	372	20.5	0.3	23.7	-	-	-	0.4	-	0.3	1.2
	F	1270	5	318	15.5	0.3	19.2	-	-	-	0.4	-	1.0	0.3
Liver cancer	M	261	-	79	4.3	-	4.9	-	-	-	-	-	-	-
	F	205	-	46	2.4	-	2.7	-	-	-	-	-	-	-
Pancreas cancer	M	666	4	253	11.5	0.2	15.8	-	-	-	-	0.4	0.3	0.6
	F	785	1	231	10.2	0.1	13.8	-	-	-	-	0.4	-	-
Larynx cancer	M	44	-	17	0.8	-	1.1	-	-	-	-	-	-	-
	F	16	-	6	0.2	-	0.4	-	-	-	-	-	-	-
Lung cancer	M	1766	-	731	31.4	-	46.5	-	-	-	-	-	-	-
	F	1220	1	578	19.2	0.1	34.2	-	-	-	-	0.4	-	-
Malignant melanoma	M	222	7	95	4.0	0.3	5.3	-	-	-	-	-	0.3	1.9
	F	148	1	68	2.2	0.0	3.7	-	-	-	-	-	-	0.3
Female breast cancer	M	1526	6	710	23.4	0.3	39.1	-	-	-	-	-	0.7	1.3
Cervix cancer	F	171	4	80	2.7	0.2	4.6	-	-	-	-	-	0.3	1.0
Other uterine cancer	F	315	-	74	4.0	-	4.5	-	-	-	-	-	-	-
Ovarian cancer	F	656	6	328	10.5	0.3	18.6	-	-	-	0.4	0.4	-	1.3
Prostate cancer	M	2501	-	318	37.0	-	22.1	-	-	-	-	-	-	-
Bladder cancer	M	428	-	81	6.6	-	5.4	-	-	-	-	-	-	-
	F	193	-	24	2.0	-	1.4	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	1971	62	718	34.2	3.1	43.2	0.4	2.0	2.4	2.7	4.2	4.7	5.0
	F	2128	36	572	27.1	1.9	33.7	1.8	2.4	2.9	0.8	1.6	1.7	1.9
Hodgkin's disease	M	24	4	11	0.5	0.2	0.7	-	0.3	-	-	0.4	0.7	-
	F	14	2	2	0.2	0.1	0.1	-	-	0.4	-	0.4	-	-
Myeloma and non-Hodgkin lymphomas	M	618	5	199	10.4	0.3	12.4	-	-	-	1.2	0.4	0.3	-
	F	575	2	131	7.0	0.1	8.1	-	-	0.4	-	-	-	0.3
Leukaemia	M	390	22	127	6.8	1.1	7.7	1.3	0.3	1.7	2.7	0.4	0.7	0.9
	F	327	10	79	4.1	0.5	4.6	0.5	1.4	-	0.4	0.8	0.3	0.3
Diabetes	M	848	5	194	13.3	0.2	11.6	-	-	-	0.4	-	1.0	0.3
	F	922	4	115	9.1	0.2	6.9	-	-	-	0.4	0.4	0.3	0.3
ALL VASCULAR DISEASE	M	20877	50	3761	316.5	2.4	239.1	0.4	-	0.3	1.5	3.4	4.4	6.8
	F	22400	27	1433	194.5	1.4	88.9	1.4	-	0.4	2.5	1.2	2.8	1.9
Rheumatic heart disease and fever	M	53	-	6	0.8	-	0.4	-	-	-	-	-	-	-
	F	97	1	6	0.9	0.0	0.4	-	-	-	-	-	0.3	-
Hypertensive disease	M	265	-	33	3.9	-	2.1	-	-	-	-	-	-	-
	F	459	-	20	3.8	-	1.3	-	-	-	-	-	-	-
Ischaemic heart disease	M	10957	10	2366	170.4	0.5	149.9	-	-	-	-	-	0.7	2.5
	F	9171	4	695	82.2	0.2	43.7	-	-	-	0.4	0.4	0.3	0.3
Pulmonary embolism and other venous	M	381	3	99	6.1	0.1	6.3	-	-	0.3	-	-	0.3	0.3
	F	529	3	81	5.7	0.2	4.8	-	-	-	0.8	-	-	0.3
Cerebrovascular disease	M	4215	6	585	62.2	0.3	37.7	-	-	-	0.8	-	0.7	0.6
	F	5978	4	378	51.6	0.2	23.2	-	-	-	0.4	0.4	0.3	0.3
Other vascular disease	M	5006	31	672	73.2	1.5	42.6	0.4	-	-	0.8	3.4	2.7	3.4
	F	6166	15	253	50.2	0.8	15.5	1.4	-	0.4	0.8	0.4	1.7	1.0
Chronic obstructive pulmonary disease	M	1364	4	192	20.5	0.2	13.0	-	-	-	0.4	0.4	0.3	0.3
	F	1170	2	240	13.6	0.1	15.5	-	-	-	-	-	-	0.6
Other respiratory disease	M	1958	15	186	27.7	0.8	11.6	0.9	-	0.3	-	1.1	1.7	1.2
	F	2227	6	116	18.4	0.3	6.6	0.5	0.3	0.4	0.4	0.4	-	0.3
Peptic ulcer	M	212	-	51	3.3	-	3.2	-	-	-	-	-	-	-
	F	228	-	27	2.2	-	1.6	-	-	-	-	-	-	-
Liver cirrhosis	M	318	1	212	6.3	0.0	12.1	-	-	-	-	-	-	0.3
	F	190	1	111	3.4	0.1	6.5	0.5	-	-	-	-	-	-
Renal disease	M	405	2	34	5.7	0.1	2.3	-	-	0.3	-	-	0.3	-
	F	351	1	32	3.2	0.1	1.9	-	-	0.4	-	-	-	-
Pregnancy, birth	F	4	3	1	0.1	0.1	0.0	-	-	-	-	-	0.3	0.6
Congenital and perinatal causes	M	219	161	32	6.4	9.6	1.8	60.8	1.3	0.7	1.2	0.8	1.3	1.2
	F	190	135	28	5.5	8.3	1.5	48.9	2.4	1.1	0.8	1.2	1.7	2.3
Ill-defined causes	M	891	42	202	14.4	2.4	11.9	12.0	-	-	0.8	1.5	2.0	0.6
	F	1646	26	95	13.9	1.6	5.6	7.7	-	1.1	-	2.0	-	0.3
Other medical causes	M	4392	127	943	68.7	6.4	54.3	7.3	2.3	3.1	2.7	8.0	9.8	11.5
	F	6277	59	576	57.7	3.1	34.5	2.3	2.4	1.4	1.6	4.8	4.9	4.2
ALL NON-MEDICAL CAUSES	M	2700	535	1155	52.8	26.9	61.3	4.3	3.3	4.4	33.7	55.8	45.4	41.6
	F	1567	146	454	21.6	7.7	24.4	1.4	0.3	4.7	14.7	11.2	11.2	10.7
Motor vehicle traffic accidents	M	390	168	147	8.6	8.6	7.5	0.9	0.7	1.4	17.4	18.7	12.1	9.3
	F	134	41	48	2.6	2.2	2.6	-	-	2.9	3.7	4.4	1.7	2.6
Fire	M	54	8	30	1.1	0.4	1.7	0.4	0.3	-	0.8	-	1.0	0.3
	F	36	2	14	0.5	0.1	0.8	-	-	0.4	0.4	-	-	-
Suicide	M	802	178	444	16.7	8.7	23.2	-	-	0.3	8.1	16.0	16.8	19.9
	F	328	57	202	6.7	3.0	10.6	-	-	0.4	6.5	4.0	5.6	4.5
Homicide	M	55	25	29	1.3	1.3	1.5	-	0.3	0.3	1.9	3.1	1.7	1.6
	F	35	10	18	0.7	0.5	1.0	0.5	-	0.7	0.4	0.4	0.7	1.0
POPULATION:														
(1000s; UN, 2002 revision)			M=male		4382.0	1972.5	1938.3	233.7	305.8	293.5	258.1	261.8	297.3	322.3
			F=female		4474.4	1878.5	1907.6	220.8	290.6	278.5	244.5	249.4	286.9	307.8

2000: SWEDEN

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
98.7	152.3	258.9	402.4	626.3	1086.1	1835.9	3172.3	5405.4	13316.4	M	ALL CAUSES	001-999/A00-Y89
66.0	93.5	169.8	271.7	448.6	682.6	1044.5	1748.5	3164.6	10585.5	F		
-	-	-	-	-	-	0.6	3.0	8.8	10.8	M	Tuberculosis	010-018, 137/ A15-A19, B90
-	-	-	-	-	0.5	0.5	2.5	5.6	4.8	F		
0.6	1.3	2.3	0.6	1.0	0.5	0.6	-	-	-	M	HIV	279.5, 279.6/B20-B24
0.7	-	-	-	-	0.5	0.5	-	-	-	F		
0.6	1.3	2.0	3.9	5.1	8.3	12.7	22.9	57.6	138.2	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.7	1.0	0.7	1.9	7.0	2.7	10.5	14.6	31.9	110.0	F		
12.9	28.0	57.9	120.8	207.7	407.2	629.4	1033.7	1488.1	2328.5	M	ALL CANCER	140-208/C00-C97
25.1	44.1	95.6	153.1	260.6	350.4	463.2	687.2	871.8	1213.9	F		
0.3	0.3	1.3	2.7	7.5	9.7	8.3	18.7	14.9	19.7	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	1.0	1.6	1.8	6.8	4.0	8.0	7.1	13.0	F		
-	0.7	0.7	2.7	9.6	14.7	18.7	20.5	31.2	35.5	M	Oesophagus cancer	150/C15
-	-	1.4	0.3	1.4	5.4	4.5	6.0	10.6	15.4	F		
0.6	1.3	2.7	5.5	9.9	18.0	27.0	44.6	69.8	111.0	M	Stomach cancer	151/C16
-	1.7	2.1	3.1	8.5	11.3	15.5	18.1	30.9	54.9	F		
1.3	4.0	5.0	13.4	19.2	49.7	73.2	121.1	167.5	256.8	M	Colorectal cancer	153, 154/C18-C21
0.7	2.1	9.3	12.1	20.4	32.1	57.5	83.8	111.4	192.0	F		
-	0.3	1.3	3.6	6.2	8.8	13.8	25.9	42.0	48.8	M	Liver cancer	155.0/C22 excl C221
-	0.3	0.7	1.9	3.9	5.4	7.0	14.1	21.8	30.2	F		
0.3	1.7	2.7	11.2	17.8	27.6	49.6	62.0	89.5	110.3	M	Pancreas cancer	157/C25
1.0	1.0	3.5	9.0	18.7	27.1	36.5	57.7	81.1	95.3	F		
-	0.3	0.3	0.3	1.0	2.8	2.8	6.0	4.1	7.0	M	Larynx cancer	161/C32
-	-	-	0.3	-	1.8	0.5	1.0	1.0	2.1	F		
-	3.0	12.7	22.2	48.3	100.4	138.8	204.2	235.9	220.7	M	Lung cancer	162/C33, C34
1.3	4.2	12.8	23.9	46.5	66.5	84.5	102.9	104.4	78.8	F		
0.3	3.7	3.0	6.1	7.9	4.6	11.6	25.9	21.7	28.5	M	Malignant melanoma	172/C43
1.3	1.0	2.1	5.0	6.0	4.5	6.0	8.0	10.1	14.7	F		
10.6	18.4	31.4	36.9	57.0	65.1	54.5	90.9	92.2	153.2	F	Female breast cancer	174/C50
2.6	3.5	2.1	2.5	3.5	6.8	11.5	11.0	10.6	15.1	F	Cervix cancer	180/C53
0.3	0.3	1.4	3.4	4.9	5.9	15.0	33.1	28.9	40.5	F	Other uterine cancer	179, 182/C54, C55
1.3	3.5	7.9	21.7	27.1	33.0	35.5	43.7	56.2	42.5	F	Ovarian cancer	183/C56, C570-C574
0.3	-	0.7	5.5	11.3	42.8	94.2	200.6	397.3	801.5	M	Prostate cancer	185/C61
-	0.3	0.3	0.9	5.8	9.2	21.5	38.0	61.0	123.0	M	Bladder cancer	188/C67
-	-	0.7	1.6	1.4	3.2	3.0	10.5	20.3	37.0	F		
6.6	9.3	19.7	31.0	46.5	81.5	107.4	164.5	233.9	363.3	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
4.0	6.6	15.9	23.6	44.7	48.4	92.5	137.6	189.0	299.3	F		
0.3	0.3	-	-	-	2.3	2.2	0.6	1.4	3.8	M	Hodgkin's disease	201/C81
-	-	-	-	-	-	1.0	2.0	1.0	1.4	F		
0.9	1.0	4.7	8.8	11.0	22.6	38.0	65.1	73.9	124.9	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.7	0.3	2.1	4.3	7.4	16.7	25.0	42.2	60.8	81.6	F		
1.9	1.7	2.7	7.0	5.8	12.4	22.6	36.1	44.1	73.6	M	Leukaemia	204-208/C91-C95
1.3	1.0	1.4	1.9	7.4	10.4	9.0	16.6	34.4	47.0	F		
2.2	2.0	7.7	8.2	12.3	16.6	32.5	65.7	101.7	247.3	M	Diabetes	250/E10-E14
2.0	1.0	1.4	4.7	6.0	13.6	20.0	38.2	66.9	204.0	F		
13.2	28.7	75.6	127.5	223.8	406.7	798.5	1421.1	2575.6	6916.9	M	ALL VASCULAR DISEASE	390-459/I00-I99
7.9	13.6	23.1	43.2	73.6	160.0	300.7	634.5	1426.5	5779.9	F		
-	-	-	-	-	1.4	1.7	3.6	9.5	17.1	M	Rheumatic heart disease and fever	390-398/I00-I09
-	0.3	-	-	0.4	0.5	1.5	7.5	8.1	20.2	F		
-	0.3	1.0	0.6	1.7	4.1	7.2	18.7	31.9	97.7	M	Hypertensive disease	401-405/I10-I15
-	-	-	0.3	0.4	2.7	6.0	10.5	28.9	123.8	F		
5.6	14.3	45.2	84.4	148.5	263.0	488.4	844.6	1348.5	3291.1	M	Ischaemic heart disease	410-414/I20-I25
1.3	4.2	10.7	18.9	33.1	85.0	152.6	313.3	637.8	2258.8	F		
0.9	0.3	0.7	2.7	6.5	13.4	19.8	27.1	52.2	99.6	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.3	2.1	2.8	2.8	4.2	7.7	12.5	27.6	47.1	101.8	F		
2.5	3.7	11.0	20.0	31.1	59.9	135.5	273.5	560.0	1486.4	M	Cerebrovascular disease	430-438/I60-I69
3.0	4.2	6.6	11.5	20.4	43.4	73.5	154.1	391.6	1548.2	F		
4.1	10.0	17.7	19.7	35.9	64.9	145.9	253.6	573.6	1925.2	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
2.3	2.8	3.1	9.6	15.1	20.8	54.5	121.5	313.1	1727.1	F		
0.6	0.3	1.3	4.2	7.9	23.5	53.4	118.1	205.4	424.2	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.7	1.0	1.0	6.5	8.8	24.9	65.5	80.3	123.1	180.0	F		
2.2	3.0	4.3	8.2	7.5	18.0	38.0	76.5	198.0	848.4	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.0	2.8	4.1	7.1	8.1	7.2	15.5	39.2	92.2	632.5	F		
0.3	-	1.0	2.4	3.1	5.1	10.5	12.7	29.8	60.9	M	Peptic ulcer	531-533/K25-K27
-	-	0.7	1.2	1.8	3.6	4.0	6.5	13.7	55.2	F		
-	3.0	8.0	11.8	19.8	18.0	23.7	26.5	25.1	15.2	M	Liver cirrhosis	571/K70, K74
0.3	0.7	3.5	6.8	5.3	18.1	10.5	16.1	13.2	6.9	F		
-	-	0.3	0.9	2.1	3.2	9.4	22.9	54.2	159.2	M	Renal disease	580-590/N00-N19
-	-	0.3	1.6	2.5	2.3	7.0	13.1	24.3	83.6	F		
-	-	-	0.3	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
0.3	0.7	0.7	1.8	2.7	3.7	2.8	6.0	3.4	7.0	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.7	-	1.0	2.5	2.1	3.2	1.0	3.5	3.5	4.5	F		
2.5	3.7	7.0	7.6	14.7	19.8	28.1	39.2	54.2	318.3	M	Ill-defined causes	780-799/R00-R99
0.7	0.3	3.1	4.0	6.0	12.2	13.0	16.6	44.6	481.3	F		
18.8	25.0	32.1	47.6	52.7	88.0	115.6	214.5	454.2	1455.9	M	Other medical causes	Rest of 001-799/ rest of A00-R99
5.3	9.4	15.5	17.4	38.0	56.5	99.5	157.1	385.0	1566.3	F		
44.5	55.3	58.5	56.8	65.7	67.7	80.4	109.6	149.2	385.5	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
21.1	19.5	19.7	21.4	28.9	27.1	33.0	39.2	62.3	262.6	F		
6.3	9.7	9.7	6.4	7.2	8.3	5.0	13.3	18.3	16.5	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
3.3	1.7	2.8	1.6	1.8	5.0	2.0	4.5	9.1	6.2	F		
0.6	1.0	1.0	1.5	2.1	2.8	2.8	4.2	0.7	5.1	M	Fire	E890-E899/X00-X09
-	0.3	0.3	0.9	1.1	1.4	1.5	1.5	1.5	4.8	F		
20.7	21.7	23.8	22.2	24.6	19.8	29.7	31.3	38.6	45.0	M	Suicide	E950-E959/X60-X84
10.9	10.1	9.7	10.2	13.0	9.9	10.0	10.0	9.1	10.6	F		
1.3	2.0	1.3	1.5	1.0	1.8	1.7	-	-	0.6	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.0	2.1	0.3	0.9	-	0.9	1.5	0.5	1.5	1.0	F		
319.0	300.0	298.9	329.5	292.2	217.1	181.6	166.0	147.5	157.7	M	POPULATION	
302.9	287.7	289.8	322.1	284.0	221.2	199.9	199.2	197.4	291.7	F	(1000s; UN, 2002 revision)	

SWEDEN: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1197	116	4	3	109	4	11	71	3	428	564
35-69	Sm.	1774	865	627	74	164	109	24	578	-	198	-
	Total	11486 (15%)	3417 (25%)	761 (82%)	182 (41%)	2474 (7%)	188 (58%)	180 (13%)	4569 (13%)	250	1534 (13%)	1348
70+	Sm.	3313	1306	857	84	365	613	113	1037	-	244	-
	Total	34745 (10%)	7206 (18%)	1051 (82%)	211 (40%)	5944 (6%)	1120 (55%)	2227 (5%)	18737 (6%)	104	4491 (5%)	860
Any age	Sm.	5087	2171	1484	158	529	722	137	1615	-	442	-
	Total	47428 (11%)	10739 (20%)	1816 (82%)	396 (40%)	8527 (6%)	1312 (55%)	2418 (6%)	23377 (7%)	357	6453 (7%)	2772
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1077	120	0	8	112	4	15	50	1	352	535
35-69	Sm.	1530	800	586	73	141	105	21	426	-	178	-
	Total	10394 (15%)	3330 (24%)	731 (80%)	197 (37%)	2402 (6%)	192 (55%)	186 (11%)	3761 (11%)	212	1558 (11%)	1155
70+	Sm.	3172	1302	837	96	369	624	86	879	-	281	-
	Total	34239 (9%)	7583 (17%)	1035 (81%)	247 (39%)	6301 (6%)	1168 (53%)	1757 (5%)	17066 (5%)	105	5550 (5%)	1010
Any age	Sm.	4702	2102	1423	169	510	729	107	1305	-	459	-
	Total	45710 (10%)	11033 (19%)	1766 (81%)	452 (37%)	8815 (6%)	1364 (53%)	1958 (5%)	20877 (6%)	318	7460 (6%)	2700

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)														
1995		4361.2	2052.7	1844.7	300.7	300.6	333.6	299.0	226.4	195.7	188.7	183.8	136.6	143.4
2000		4382.0	1972.5	1938.3	319.0	300.0	298.9	329.5	292.2	217.1	181.6	166.0	147.5	157.7
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		47428	1197	11486	365	595	980	1360	1660	2500	4026	6534	8298	19913
2000		45710	1077	10394	315	457	774	1326	1830	2358	3334	5266	7973	21000
Lung cancer														
1995		1816	4	761	4	16	41	84	113	197	306	371	340	340
2000		1766	-	731	-	9	38	73	141	218	252	339	348	348
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
1995		802.5*	56.5*	744.6*	121.4	197.9	293.8	454.8	733.2	1277.5	2133.5	3555.0	6074.7	13886.3
2000		727.0*	55.8*	637.3*	98.7	152.3	258.9	402.4	626.3	1086.1	1835.9	3172.3	5405.4	13316.4
All cancer														
1995		189.3*	5.5*	227.4*	14.6	33.9	66.2	134.4	223.1	431.8	687.9	1079.4	1484.6	2227.3
2000		183.6*	5.9*	209.1*	12.9	28.0	57.9	120.8	207.7	407.2	629.4	1033.7	1488.1	2328.5
Lung cancer														
1995		33.7*	0.2*	51.4*	1.3	5.3	12.3	28.1	49.9	100.7	162.2	201.8	248.9	237.1
2000		31.4*	-	46.5*	-	3.0	12.7	22.2	48.3	100.4	138.8	204.2	235.9	220.7
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		7.5*	0.1*	11.9*	0.3	1.7	3.0	10.4	13.7	21.0	33.4	41.3	42.5	53.7
2000		8.1*	0.4*	12.1*	0.3	1.3	2.3	5.8	18.1	27.2	29.7	45.2	50.2	62.1
Other cancer														
1995		148.1*	5.2*	164.1*	13.0	26.9	51.0	96.0	159.5	310.2	492.3	836.2	1193.3	1936.5
2000		144.1*	5.5*	150.5*	12.5	23.7	42.8	92.9	141.3	279.6	460.9	784.3	1202.0	2045.7
Chronic obstructive pulmonary disease (COPD)														
1995		20.8*	0.2*	13.3*	0.7	1.0	0.9	3.3	10.6	24.5	51.9	125.1	207.9	422.6
2000		20.5*	0.2*	13.0*	0.6	0.3	1.3	4.2	7.9	23.5	53.4	118.1	205.4	424.2
Other respiratory disease														
1995		36.2*	0.5*	11.6*	1.7	3.3	4.2	7.0	15.5	18.4	31.3	83.2	288.4	1171.5
2000		27.7*	0.8*	11.6*	2.2	3.0	4.3	8.2	7.5	18.0	38.0	76.5	198.0	848.4
Vascular disease														
1995		380.2*	3.3*	308.8*	18.3	34.9	80.6	146.5	298.1	562.1	1021.2	1767.7	3247.4	7707.1
2000		316.5*	2.4*	239.1*	13.2	28.7	75.6	127.5	223.8	406.7	798.5	1421.1	2575.6	6916.9
Liver cirrhosis														
1995		7.5*	0.1*	15.0*	2.7	6.3	13.5	12.7	17.2	23.5	29.1	27.7	19.0	18.8
2000		6.3*	0.0*	12.1*	-	3.0	8.0	11.8	19.8	18.0	23.7	26.5	25.1	15.2
Other medical causes														
1995		111.3*	20.1*	94.3*	32.6	46.6	53.7	68.9	98.5	126.2	233.7	374.9	693.3	1990.9
2000		119.6*	19.6*	91.0*	25.4	34.0	53.2	73.1	93.8	145.1	212.6	386.7	764.1	2397.6
All non-medical causes														
1995		57.2*	26.7*	74.1*	50.9	71.9	74.6	81.9	70.2	91.0	78.4	96.8	134.0	348.0
2000		52.8*	26.9*	61.3*	44.5	55.3	58.5	56.8	65.7	67.7	80.4	109.6	149.2	385.5

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: SWEDEN

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	636	95	1	1	93	2	7	35	1	295	201
35-69	Sm.	944	448	364	24	60	131	16	230	-	119	-
	Total	6817 (14%)	3447 (13%)	512 (71%)	61 (39%)	2874 (2%)	230 (57%)	110 (15%)	1616 (14%)	128	812 (15%)	474
70+	Sm.	1855	477	355	43	79	385	73	698	-	222	-
	Total	38760 (5%)	6424 (7%)	566 (63%)	145 (30%)	5713 (1%)	802 (48%)	2440 (3%)	21361 (3%)	103	6756 (3%)	874
Any age	Sm.	2799	925	719	67	139	516	89	928	-	341	-
	Total	46213 (6%)	9966 (9%)	1079 (67%)	207 (32%)	8680 (2%)	1034 (50%)	2557 (3%)	23012 (4%)	232	7863 (4%)	1549
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	490	75	1	0	74	2	6	27	1	233	146
35-69	Sm.	1067	518	423	31	64	147	18	232	-	152	-
	Total	6708 (16%)	3414 (15%)	578 (73%)	72 (43%)	2764 (2%)	240 (61%)	116 (16%)	1433 (16%)	111	940 (16%)	454
70+	Sm.	2436	604	441	56	107	510	84	869	-	369	-
	Total	40608 (6%)	6631 (9%)	641 (69%)	156 (36%)	5834 (2%)	928 (55%)	2105 (4%)	20940 (4%)	78	8959 (4%)	967
Any age	Sm.	3503	1122	864	87	171	657	102	1101	-	521	-
	Total	47806 (7%)	10120 (11%)	1220 (71%)	228 (38%)	8672 (2%)	1170 (56%)	2227 (5%)	22400 (5%)	190	10132 (5%)	1567

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	4465.8	1953.5	1836.1	287.4	290.3	324.2	287.6	226.1	207.6	212.9	222.5	185.7	268.0
2000	4474.4	1878.5	1907.6	302.9	287.7	289.8	322.1	284.0	221.2	199.9	199.2	197.4	291.7
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	46213	636	6817	177	322	587	840	972	1502	2417	4123	6398	28239
2000	47806	490	6708	200	269	492	875	1274	1510	2088	3483	6247	30878
Lung cancer													
1995	1079	1	512	3	6	55	78	95	129	146	193	161	212
2000	1220	1	578	4	12	37	77	132	147	169	205	206	230
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	504.0*	31.6*	419.2*	61.6	110.9	181.1	292.1	429.9	723.5	1135.3	1853.0	3445.3	10536.9
2000	486.4*	27.3*	396.7*	66.0	93.5	169.8	271.7	448.6	682.6	1044.5	1748.5	3164.6	10585.5
All cancer													
1995	142.2*	4.6*	211.9*	19.8	49.6	95.0	158.2	248.6	382.5	529.4	650.8	885.8	1242.9
2000	138.2*	3.9*	198.9*	25.1	44.1	95.6	153.1	260.6	350.4	463.2	687.2	871.8	1213.9
Lung cancer													
1995	17.6*	0.0*	31.4*	1.0	2.1	17.0	27.1	42.0	62.1	68.6	86.7	86.7	79.1
2000	19.2*	0.1*	34.2*	1.3	4.2	12.8	23.9	46.5	66.5	84.5	102.9	104.4	78.8
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	2.8*	0.0*	3.7*	0.7	0.7	1.2	3.5	3.5	6.7	9.9	13.5	20.5	28.7
2000	3.0*	-	4.4*	-	-	2.4	2.2	3.2	14.0	9.0	15.1	18.7	30.5
Other cancer													
1995	121.8*	4.5*	176.7*	18.1	46.8	76.8	127.6	203.0	313.6	450.9	550.6	778.7	1135.1
2000	115.9*	3.8*	160.2*	23.8	40.0	80.4	127.0	210.9	269.9	369.7	569.3	748.7	1104.6
Chronic obstructive pulmonary disease (COPD)													
1995	12.7*	0.1*	14.8*	0.3	1.4	2.8	5.9	15.5	27.5	50.3	73.7	101.8	167.5
2000	13.6*	0.1*	15.5*	0.7	1.0	1.0	6.5	8.8	24.9	65.5	80.3	123.1	180.0
Other respiratory disease													
1995	22.3*	0.3*	6.7*	0.3	1.7	4.3	5.2	6.2	12.0	16.9	38.2	155.1	771.3
2000	18.4*	0.3*	6.6*	1.0	2.8	4.1	7.1	8.1	7.2	15.5	39.2	92.2	632.5
Vascular disease													
1995	216.3*	1.7*	102.9*	8.7	12.4	28.7	44.2	80.9	186.4	359.3	780.2	1703.8	6142.2
2000	194.5*	1.4*	88.9*	7.9	13.6	23.1	43.2	73.6	160.0	300.7	634.5	1426.5	5779.9
Liver cirrhosis													
1995	4.0*	0.0*	7.7*	0.7	2.8	4.3	7.0	11.9	12.0	15.0	14.4	15.6	15.7
2000	3.4*	0.1*	6.5*	0.3	0.7	3.5	6.8	5.3	18.1	10.5	16.1	13.2	6.9
Other medical causes													
1995	82.9*	14.7*	49.1*	11.5	17.9	23.4	40.7	41.1	74.2	134.8	256.6	505.7	1957.5
2000	96.8*	13.7*	56.1*	9.9	11.8	22.8	33.5	63.4	94.9	156.1	252.0	575.5	2509.8
All non-medical causes													
1995	23.6*	10.1*	26.1*	20.2	25.1	22.5	30.9	25.7	28.9	29.6	39.1	77.5	239.9
2000	21.6*	7.7*	24.4*	21.1	19.5	19.7	21.4	28.9	27.1	33.0	39.2	62.3	262.6

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

SWEDEN: 2000**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.1	– / 0.5	–
35–69	1.5 / 10	1.1 / 6.7	22 years
70+	3.2 / 34	2.4 / 41	8 years
All ages	4.7 / 46	3.5 / 48	12 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

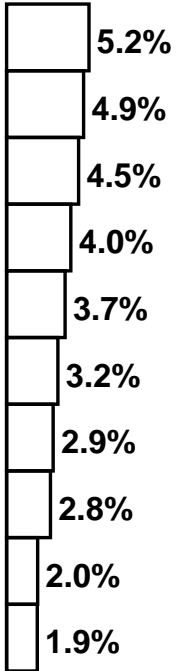
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	0.6/0.7	0.8/1.0	1.4/1.8	–/0.0	0.4/0.6	0.4/0.6	0.9/1.2
All Cancer	–/0.1	0.8/3.3 (24%)	1.3/7.6 (17%)	2.1/11	–/0.1	0.5/3.4 (15%)	0.6/6.6 (9%)	1.1/10
Vascular	–/0.1	0.4/3.8	0.9/17	1.3/21	–/0.0	0.2/1.4	0.9/21	1.1/22
Respiratory	–/0.0	0.1/0.4	0.7/2.9	0.8/3.3	–/0.0	0.2/0.4	0.6/3.0	0.8/3.4
All Other	–/0.9	0.2/2.9	0.3/6.7	0.5/10	–/0.4	0.2/1.5	0.4/10	0.5/12
All Causes	–/1.1	1.5/10 (15%)	3.2/34 (9%)	4.7/46	–/0.5	1.1/6.7 (16%)	2.4/41 (6%)	3.5/48

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	2.1 / 11 (19%)	1.1 / 10 (11%)	3.2 / 21 (15%)
All Causes	4.7 / 46 (10%)	3.5 / 48 (7%)	8.2 / 94 (9%)

1955-2000: SWEDEN

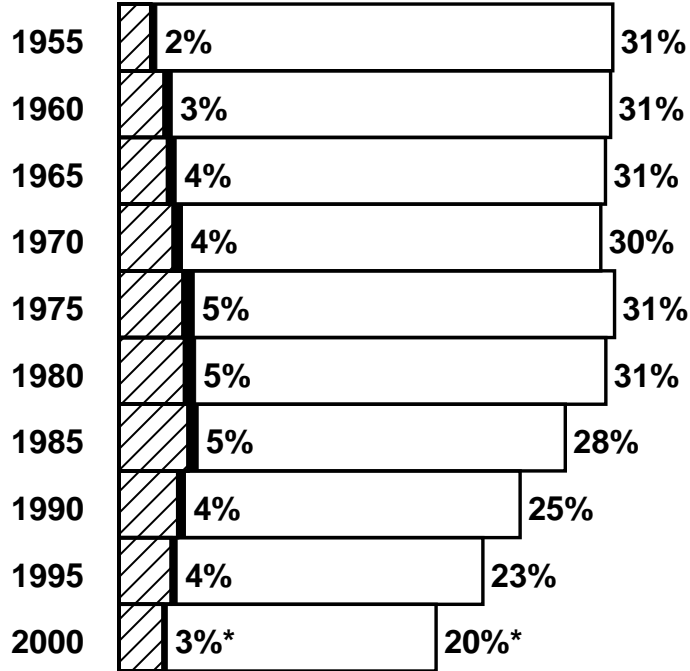
Population risk of dying at ages 0–34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

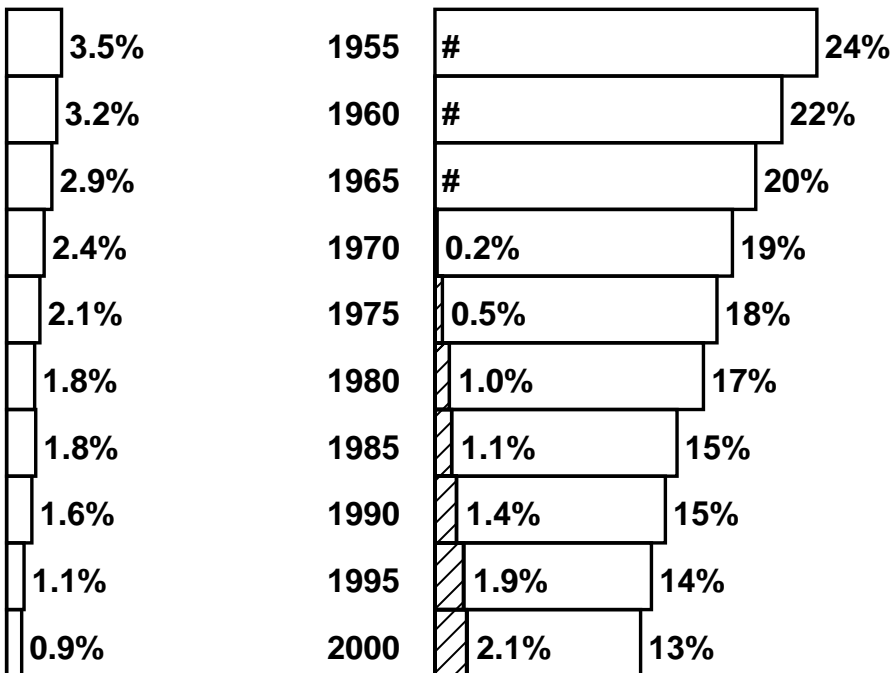
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 20 would die before age 70 (with 3 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

SWEDEN: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/2.8	1.1/13 (8%)	0.4/19 (2%)	1.5/36	-/1.8	0.0/11	0.0/21	0.0/33
1960	-/2.5	1.6/14 (11%)	0.7/23 (3%)	2.3/40	-/1.6	0.0/10	0.0/24	0.0/36
1965	-/2.6	1.8/15 (12%)	1.2/24 (5%)	3.0/42	-/1.5	0.0/10	0.0/25	0.0/36
1970	-/2.4	2.1/16 (13%)	1.9/25 (7%)	4.0/43	-/1.3	0.1/9.7 (0.8%)	0.3/26 (1%)	0.4/37
1975	-/2.2	2.6/17 (15%)	2.9/29 (10%)	5.5/48	-/1.2	0.3/9.4 (3%)	0.6/29 (2%)	0.9/40
1980	-/1.9	2.6/16 (16%)	3.4/31 (11%)	6.0/50	-/1.0	0.5/8.8 (6%)	0.8/32 (2%)	1.3/42
1985	-/1.6	2.6/15 (18%)	3.1/34 (9%)	5.7/50	-/0.9	0.6/7.9 (7%)	0.6/35 (2%)	1.2/44
1990	-/1.6	2.1/13 (16%)	3.2/34 (9%)	5.3/49	-/0.9	0.7/7.5 (10%)	1.3/38 (3%)	2.0/46
1995	-/1.2	1.8/11 (15%)	3.3/35 (10%)	5.1/47	-/0.6	0.9/6.8 (14%)	1.9/39 (5%)	2.8/46
2000	-/1.1	1.5/10 (15%)	3.2/34 (9%)	4.7/46	-/0.5	1.1/6.7 (16%)	2.4/41 (6%)	3.5/48

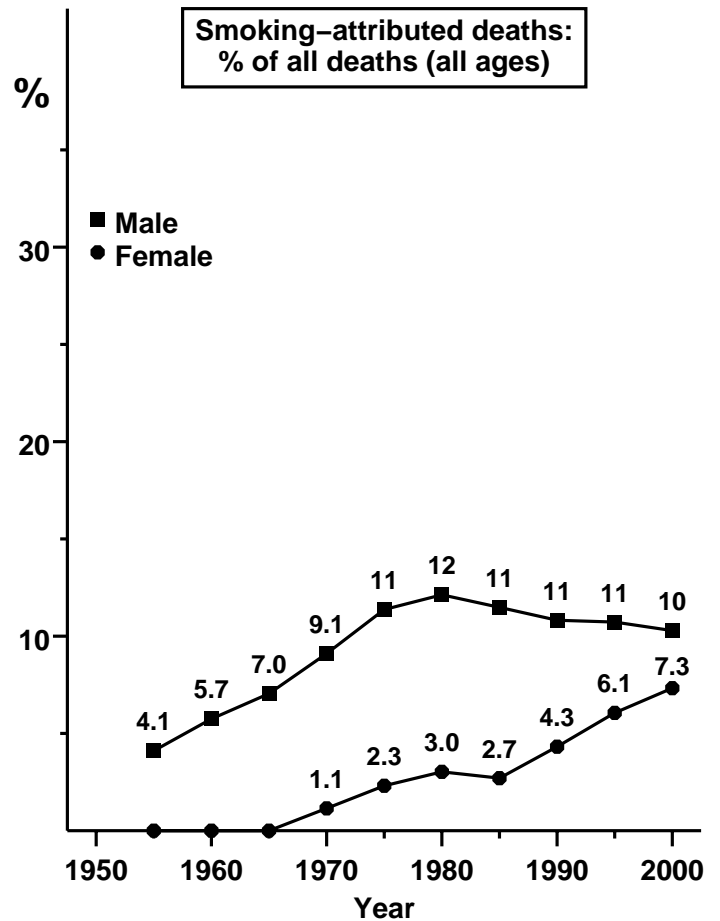
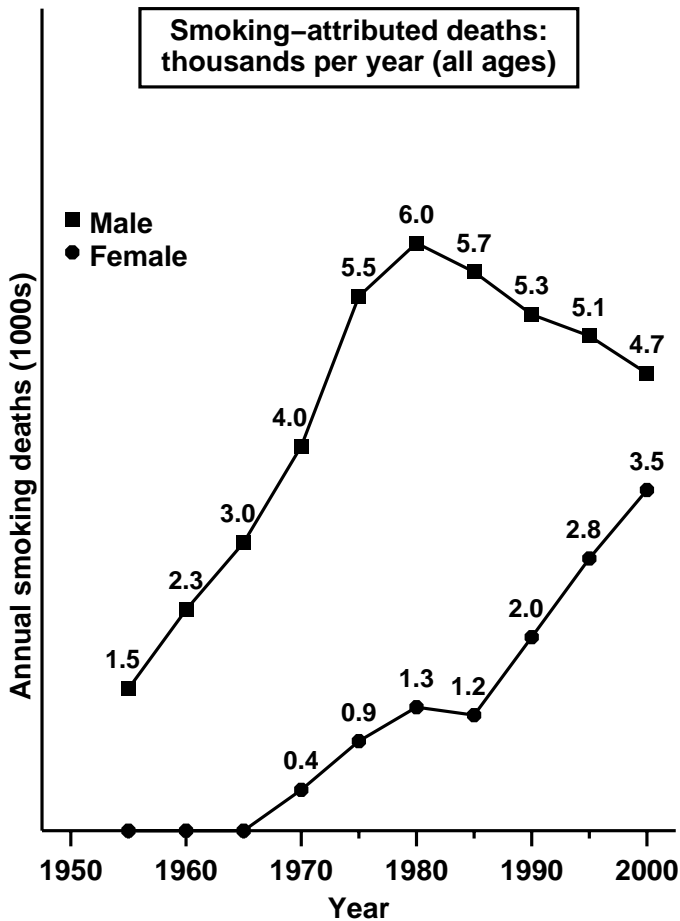
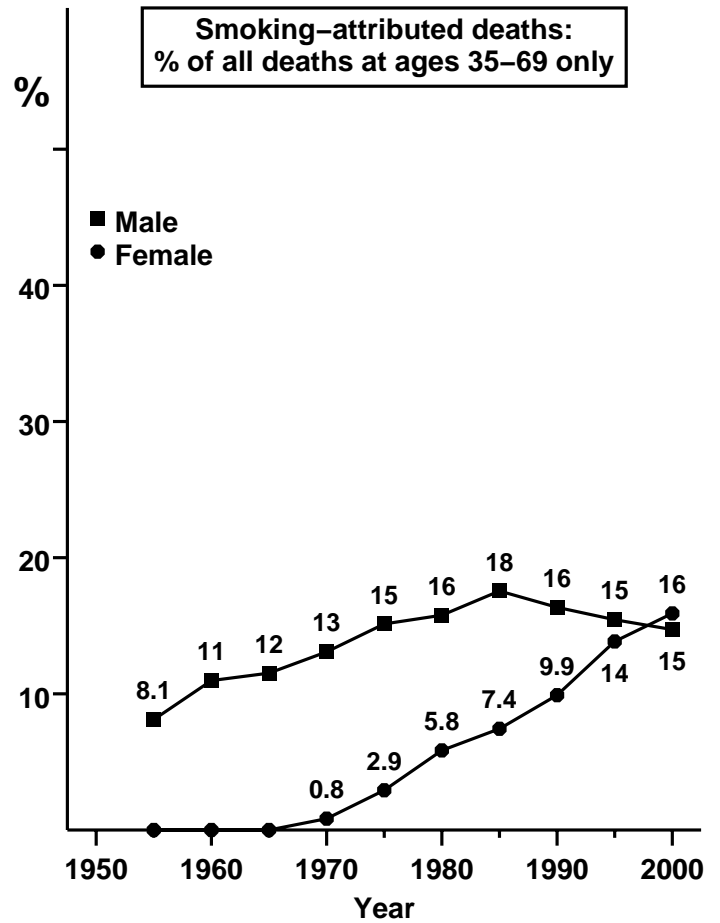
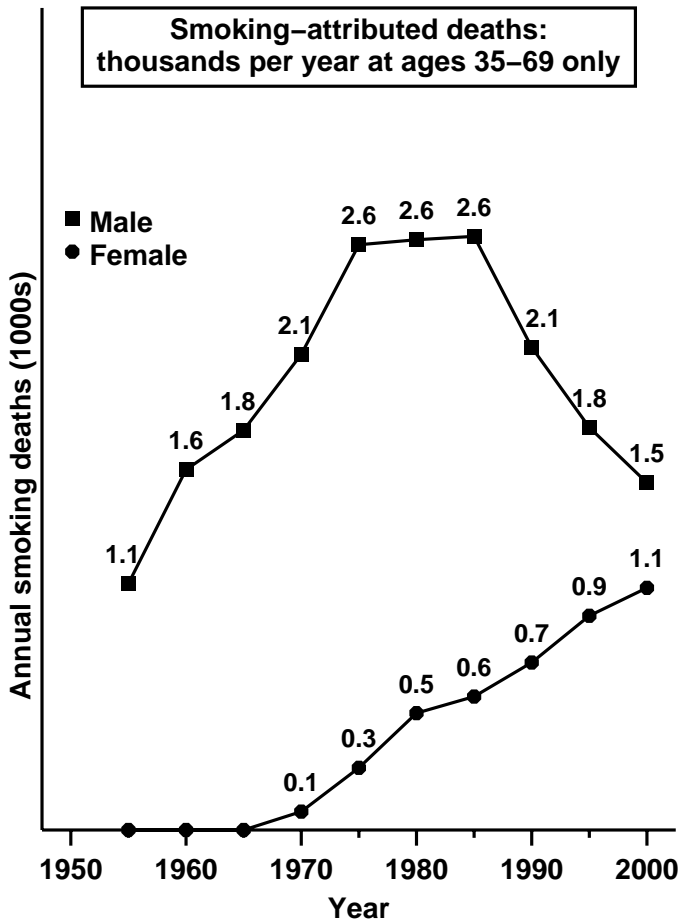
50-year total* (thousands), mid-1950 to mid-2000: 257 / 4227

1950-2000 by age & sex:

-/104	98/721 (14%)	109/1408 (8%)	207/2234	-/61	18/447 (4%)	31/1485 (2%)	49/1993
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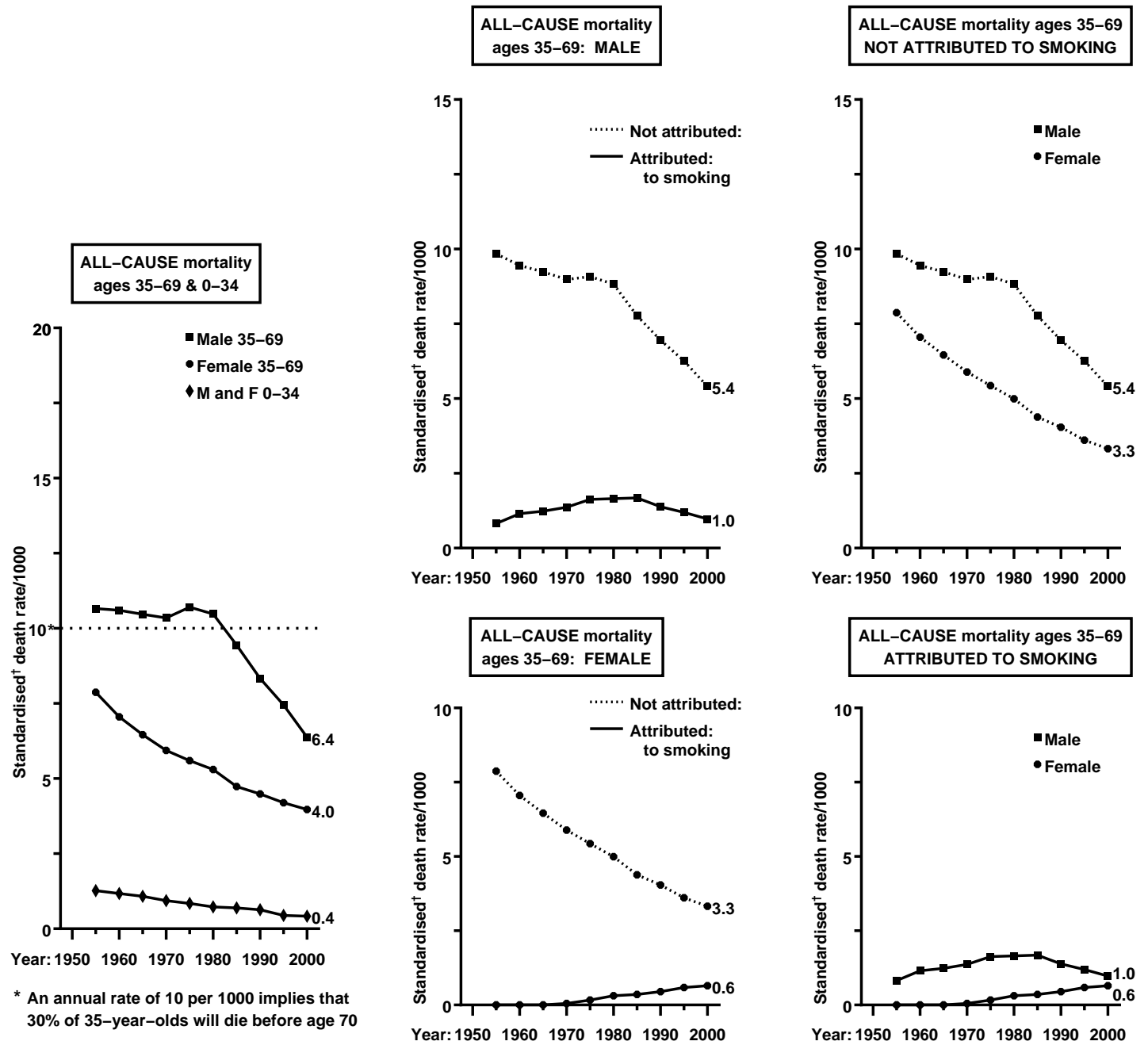
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: SWEDEN



SWEDEN: 1955-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

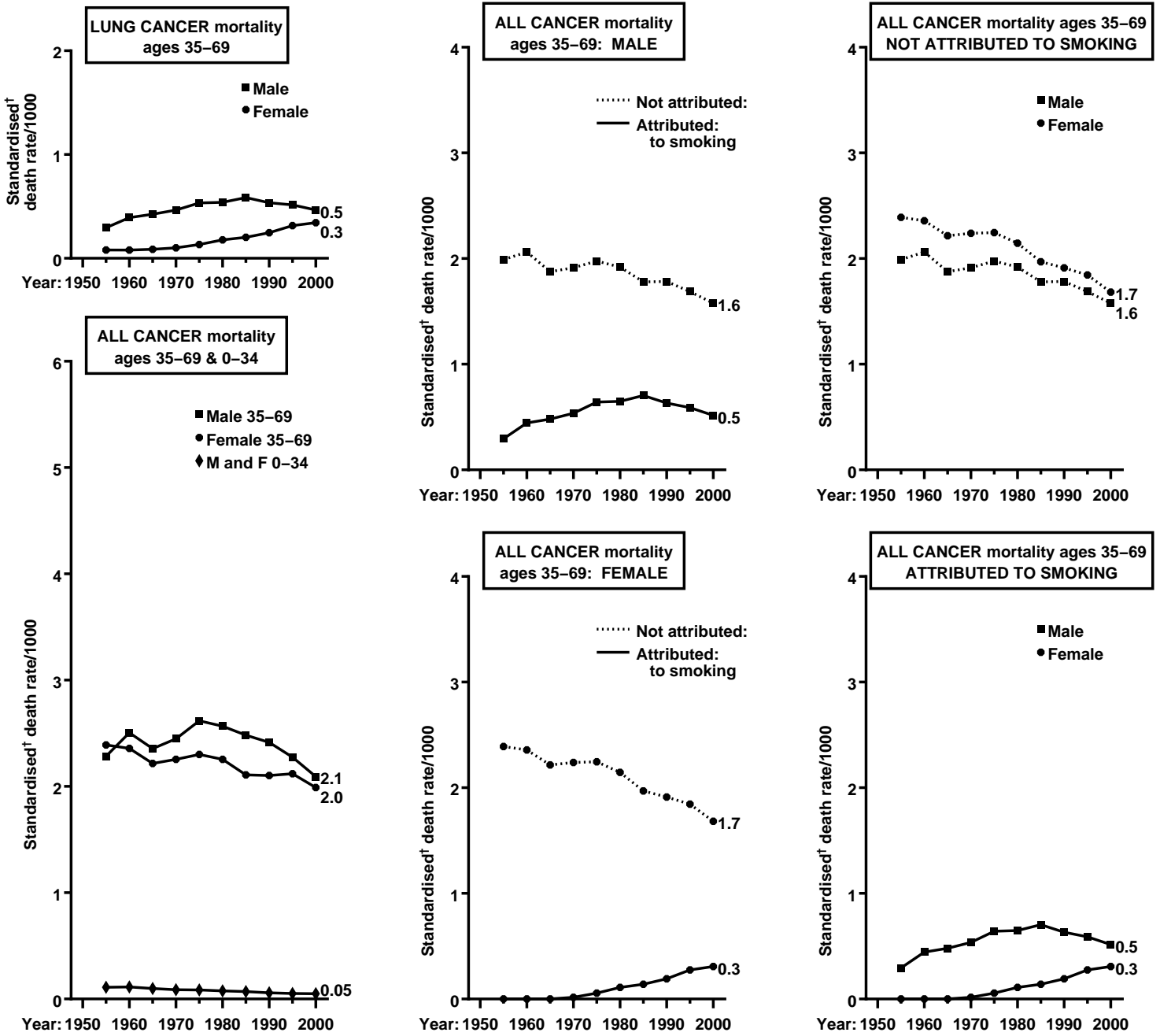


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955	-	1.52	0.82	9.84	1.52	63.0	-	1.01	0.00	7.87	0.00	54.9	0.00	53.0		
1960	-	1.42	1.15	9.45	2.41	63.5	-	0.92	0.00	7.05	0.00	47.6	0.00	47.6		
1965	-	1.33	1.23	9.23	3.93	61.8	-	0.83	0.00	6.46	0.00	41.2	0.66	38.6		
1970	-	1.18	1.36	8.98	5.41	56.1	-	0.68	0.05	5.88	1.01	34.2	1.00	34.2		
1975	-	1.07	1.63	9.08	7.41	56.8	-	0.61	0.16	5.43	1.00	30.9	0.75	28.1		
1980	-	0.94	1.65	8.82	7.53	53.4	-	0.51	0.31	4.99	1.00	24.5	1.95	24.5		
1985	-	0.85	1.68	7.76	6.04	50.0	-	0.53	0.35	4.38	1.00	22.2	2.39	22.2		
1990	-	0.80	1.38	6.95	5.94	48.2	-	0.46	0.45	4.04	1.00	22.2	2.39	22.2		
1995	-	0.56	1.19	6.26	5.57	42.6	-	0.32	0.59	3.61	1.00	22.2	2.39	22.2		
2000	-	0.56	0.97	5.40	5.11	37.8	-	0.27	0.65	3.32	1.00	22.2	2.39	22.2		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000: SWEDEN

Trends in ALL CANCER mortality attributed and not attributed to smoking



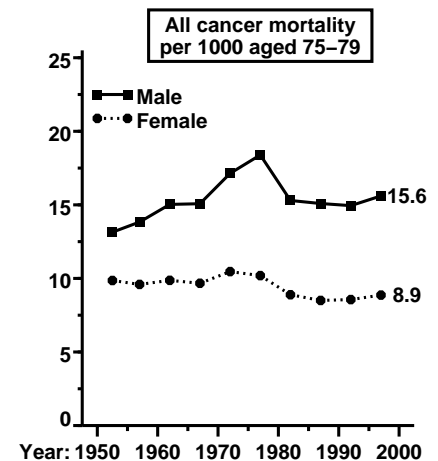
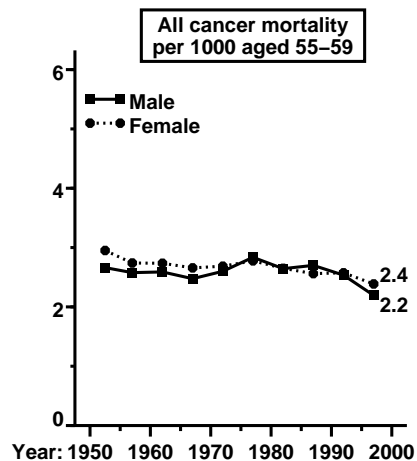
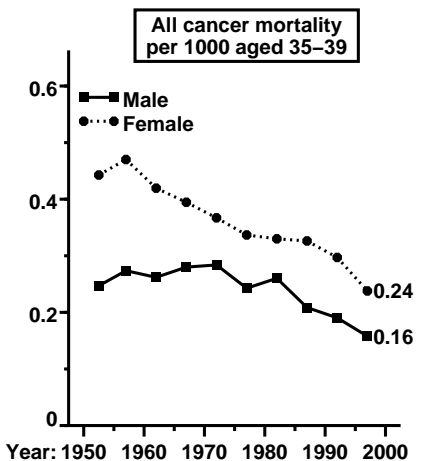
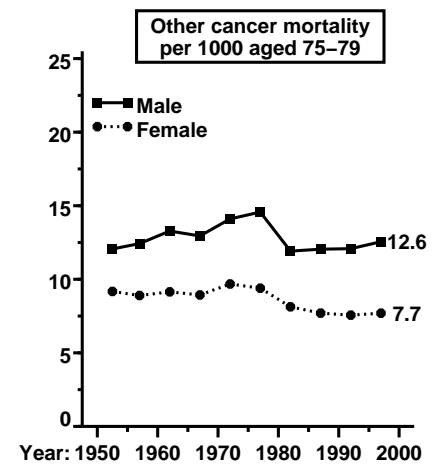
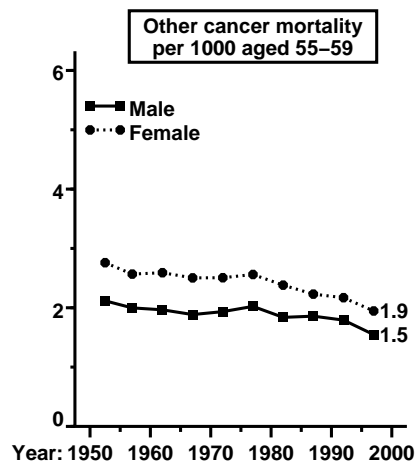
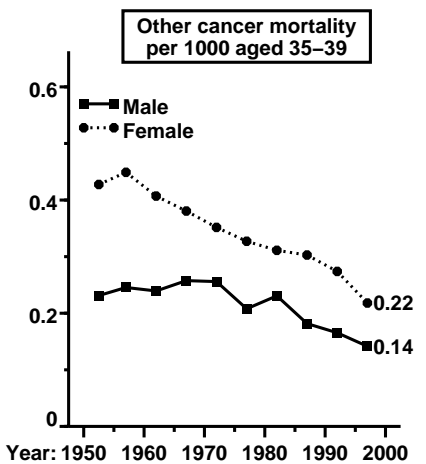
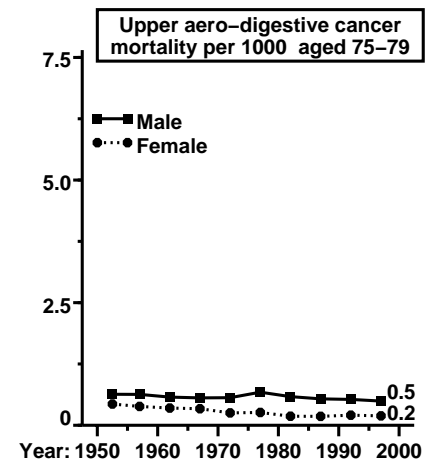
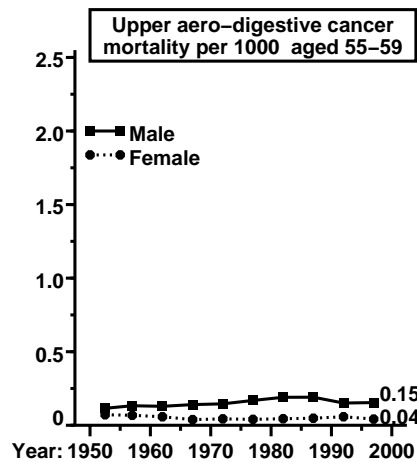
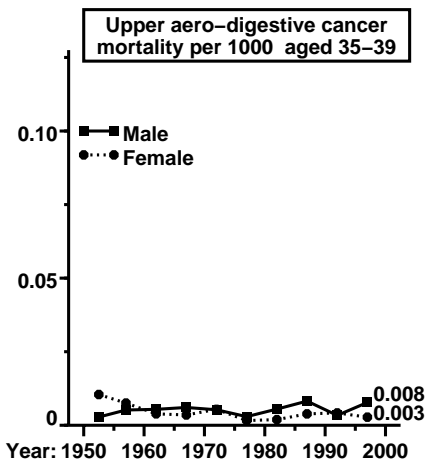
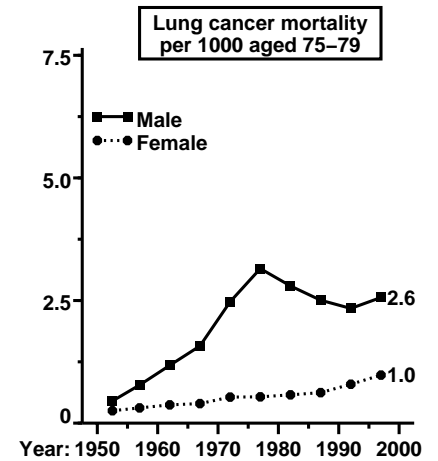
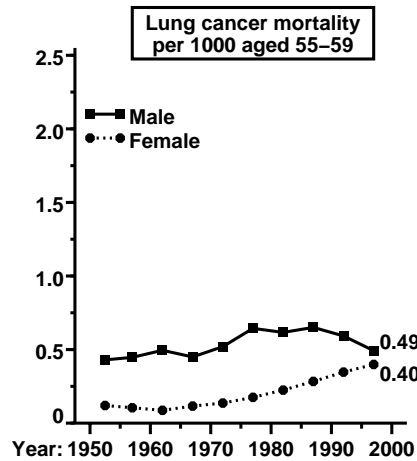
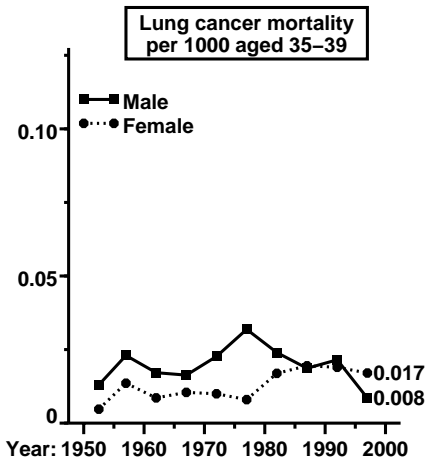
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	0.11	0.29	1.99	0.62	11.0	-	0.11	0.00	2.39	0.00	8.38	-	0.11	0.00	8.78
1960	-	0.11	0.44	2.06	0.99	11.6	-	0.11	0.00	2.36	0.00	8.78	-	0.09	0.00	8.25
1965	-	0.11	0.48	1.88	1.60	11.5	-	0.09	0.00	2.22	0.00	8.25	-	0.08	0.02	2.24
1970	-	0.09	0.53	1.91	2.27	10.7	-	0.08	0.06	2.24	0.18	8.15	-	0.08	0.06	2.24
1975	-	0.09	0.64	1.98	3.17	12.0	-	0.08	0.06	2.24	0.32	8.64	-	0.07	0.11	2.14
1980	-	0.08	0.65	1.92	3.22	10.9	-	0.07	0.11	2.14	0.31	8.10	-	0.07	0.14	1.97
1985	-	0.07	0.70	1.78	2.61	10.2	-	0.07	0.14	1.97	0.24	7.33	-	0.07	0.14	1.97
1990	-	0.06	0.63	1.78	2.69	10.5	-	0.06	0.19	1.91	0.51	7.30	-	0.06	0.19	1.91
1995	-	0.06	0.59	1.69	2.64	10.2	-	0.05	0.27	1.84	0.71	6.97	-	0.05	0.27	1.84
2000	-	0.06	0.51	1.58	2.57	10.0	-	0.04	0.31	1.68	0.92	6.87	-	0.04	0.31	1.68

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

SWEDEN: 1951-2000

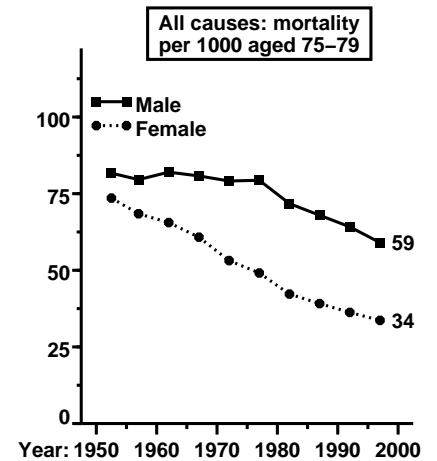
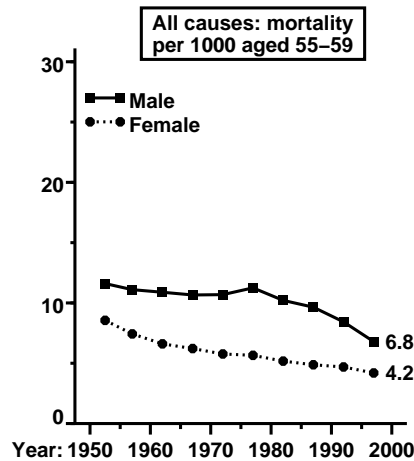
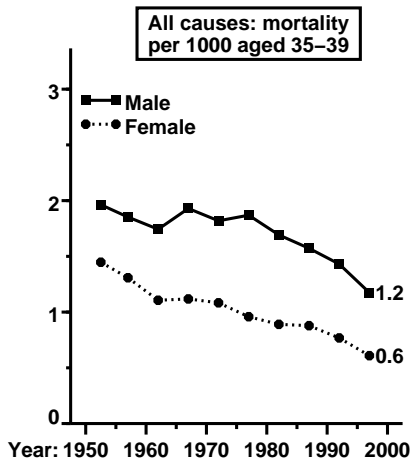
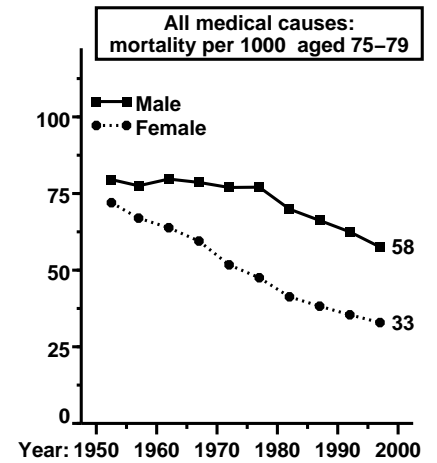
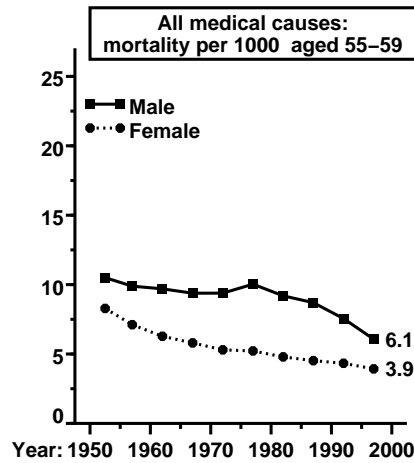
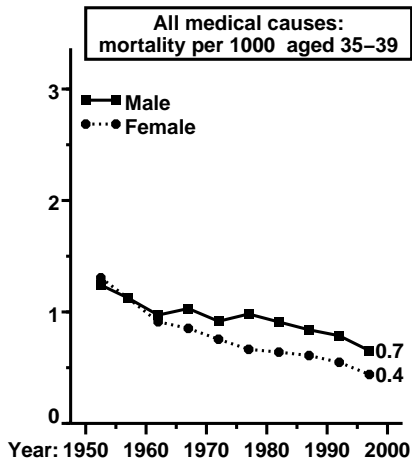
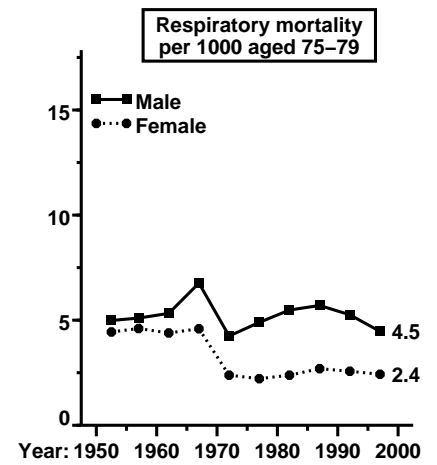
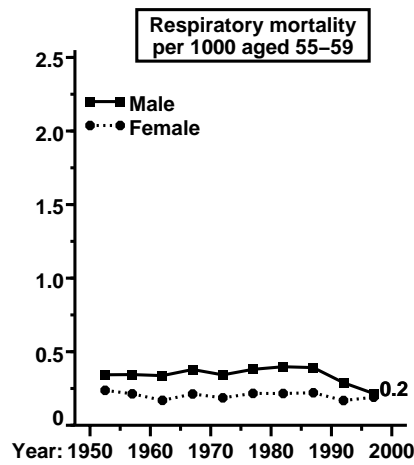
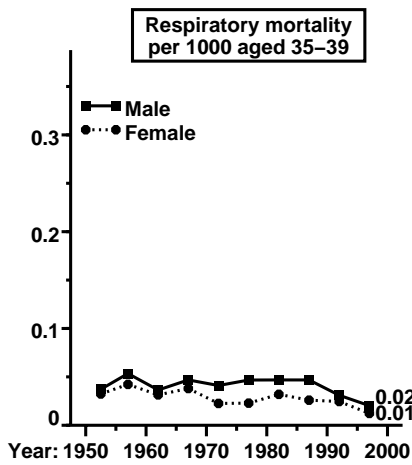
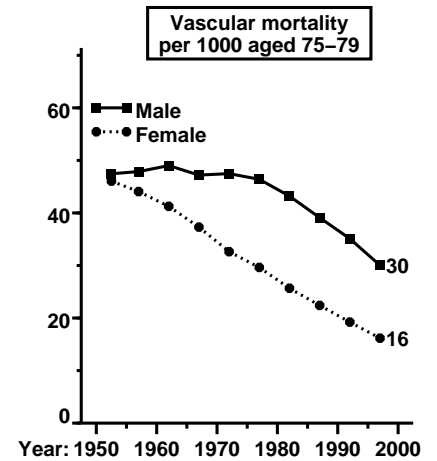
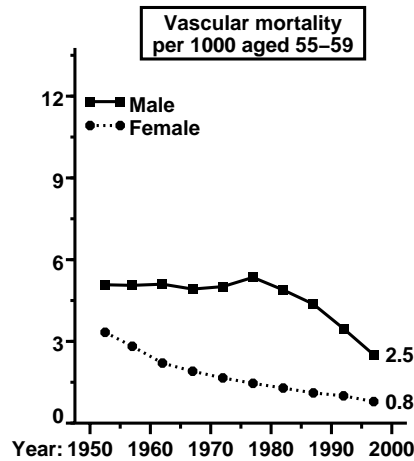
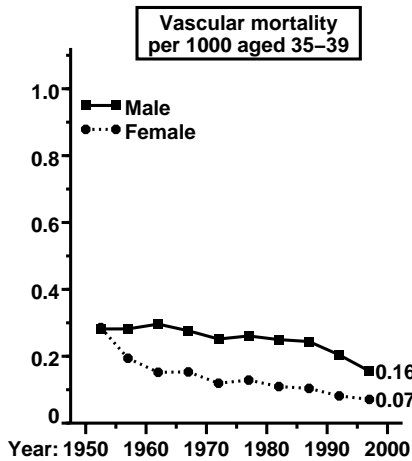
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1950–54,.....,1995–99; year 2000 on pages 458–459

1951-2000: SWEDEN

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 458-459

SWITZERLAND: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	30411	1200	8783	712.9	79.1	618.2	136.9	14.6	20.4	57.7	109.6	114.0	100.9
	F	32134	566	4937	450.5	40.1	332.9	109.2	7.9	13.9	24.5	36.8	46.1	42.6
Tuberculosis	M	22	-	3	0.5	-	0.2	-	-	-	-	-	-	-
	F	11	-	3	0.2	-	0.2	-	-	-	-	-	-	-
HIV	M	86	18	65	2.1	1.0	3.4	-	-	-	-	-	2.3	4.6
	F	49	12	37	1.3	0.8	2.0	-	-	-	0.5	0.5	3.3	1.1
Other infective and parasitic	M	230	15	80	5.5	1.0	5.3	3.2	-	0.9	-	1.0	0.9	1.1
	F	315	12	50	4.7	0.9	3.5	3.3	-	0.5	-	1.1	0.5	0.8
ALL CANCER	M	8575	82	3296	202.8	5.2	238.8	2.7	2.8	4.3	4.0	8.2	5.4	9.2
	F	6934	82	2507	121.5	5.4	168.7	1.7	3.0	3.0	3.1	5.9	12.8	8.7
Mouth and pharynx cancer	M	275	3	179	6.8	0.2	12.1	0.5	-	-	-	0.5	-	0.4
	F	91	-	48	1.8	-	3.2	-	-	-	-	-	-	-
Oesophagus cancer	M	289	-	150	7.0	-	10.7	-	-	-	-	-	-	-
	F	95	-	29	1.6	-	2.0	-	-	-	-	-	-	-
Stomach cancer	M	343	3	122	8.0	0.2	8.5	-	-	-	-	-	-	1.1
	F	232	6	63	3.7	0.4	4.3	-	-	-	-	-	1.9	0.8
Colorectal cancer	M	929	2	309	21.7	0.1	22.7	-	-	-	-	-	0.5	0.4
	F	791	1	224	12.6	0.1	15.5	-	-	-	-	0.5	-	-
Liver cancer	M	345	1	157	8.3	0.1	11.7	-	-	-	-	-	-	0.4
	F	156	-	44	2.6	-	3.0	-	-	-	-	-	-	-
Pancreas cancer	M	401	2	176	9.6	0.1	12.7	-	-	-	-	-	-	0.7
	F	465	2	132	7.6	0.1	9.3	-	-	-	-	-	0.5	0.4
Larynx cancer	M	87	-	45	2.1	-	3.2	-	-	-	-	-	-	-
	F	17	-	7	0.3	-	0.5	-	-	-	-	-	-	-
Lung cancer	M	2044	3	976	49.2	0.2	71.1	-	-	-	-	0.5	-	0.7
	F	781	4	387	15.2	0.2	26.3	-	-	-	-	-	1.0	0.8
Malignant melanoma	M	141	3	72	3.4	0.2	4.9	-	-	-	-	-	0.5	0.7
	F	98	7	38	1.9	0.5	2.4	-	-	-	-	0.5	1.9	0.8
Female breast cancer	F	1337	9	637	25.4	0.5	41.6	-	-	-	-	-	1.0	2.6
Cervix cancer	F	85	3	44	1.7	0.2	2.7	-	-	-	-	-	0.5	0.8
Other uterine cancer	F	204	-	63	3.4	-	4.2	-	-	-	-	-	-	-
Ovarian cancer	F	420	2	151	7.3	0.1	10.5	-	-	-	0.5	-	0.5	-
Prostate cancer	M	1307	-	189	29.3	-	15.3	-	-	-	-	-	-	-
Bladder cancer	M	280	-	74	6.5	-	5.6	-	-	-	-	-	-	-
	F	156	-	33	2.3	-	2.3	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	1486	46	606	35.6	3.0	43.0	2.1	1.4	1.9	3.0	5.6	3.2	3.9
	F	1380	34	414	23.4	2.4	27.9	1.7	1.5	1.5	2.6	4.3	2.9	2.3
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and non-Hodgkin lymphomas	M	399	2	146	9.4	0.1	10.7	-	-	-	-	0.5	-	0.4
	F	396	5	131	6.9	0.3	8.9	-	0.5	0.5	-	-	1.0	0.4
Leukaemia	M	249	17	95	6.0	1.1	6.6	-	1.4	2.4	1.0	1.0	1.4	0.7
	F	230	9	62	3.9	0.6	4.1	-	1.0	1.0	-	0.5	1.9	-
Diabetes	M	626	2	168	14.4	0.1	12.6	-	-	-	-	-	0.5	0.4
	F	932	-	100	12.0	-	7.1	-	-	-	-	-	-	-
ALL VASCULAR DISEASE	M	11011	46	2372	249.9	2.8	173.1	3.2	-	0.5	3.0	2.0	3.6	7.5
	F	13899	27	845	166.5	1.7	59.8	1.7	-	0.5	0.5	1.6	2.4	5.3
Rheumatic heart disease and fever	M	38	-	4	0.8	-	0.3	-	-	-	-	-	-	-
	F	97	-	7	1.2	-	0.5	-	-	-	-	-	-	-
Hypertensive disease	M	550	-	117	12.5	-	8.8	-	-	-	-	-	-	-
	F	1028	-	46	12.1	-	3.3	-	-	-	-	-	-	-
Ischaemic heart disease	M	5346	12	1291	122.0	0.7	94.6	-	-	-	-	0.5	0.9	3.2
	F	5360	2	341	64.3	0.1	24.6	-	-	-	-	-	-	0.8
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	1758	2	276	39.4	0.1	20.2	-	-	-	-	-	-	0.7
	F	2820	6	175	34.1	0.4	12.1	-	-	0.5	-	-	1.0	1.1
Other vascular disease, incl. venous	M	3319	32	684	75.2	2.1	49.2	3.2	-	0.5	3.0	1.5	2.7	3.6
	F	4594	19	276	54.9	1.2	19.3	1.7	-	-	0.5	1.6	1.4	3.4
Chronic obstructive pulmonary disease	M	1186	4	213	26.9	0.2	16.7	-	0.5	-	-	-	0.9	0.4
	F	687	-	98	9.6	-	6.9	-	-	-	-	-	-	-
Other respiratory disease	M	1231	7	146	27.3	0.5	10.9	0.5	-	0.5	0.5	0.5	0.9	0.4
	F	1521	8	90	18.2	0.5	6.2	1.7	-	0.5	0.5	-	-	1.1
Peptic ulcer	M	100	-	23	2.3	-	1.6	-	-	-	-	-	-	-
	F	145	-	14	1.9	-	1.0	-	-	-	-	-	-	-
Liver cirrhosis & other liver disease	M	459	2	304	11.3	0.1	20.2	0.5	-	-	-	-	-	0.4
	F	219	4	136	4.6	0.2	8.9	-	-	-	-	-	0.5	1.1
Renal disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth	F	5	4	1	0.1	0.2	0.1	-	-	-	-	-	1.0	0.8
Congenital and perinatal causes	M	233	192	25	8.9	14.3	1.6	89.7	0.9	1.9	1.0	3.1	2.3	1.4
	F	214	150	42	7.8	11.7	2.6	73.0	0.5	3.0	0.5	2.1	1.9	1.1
Ill-defined causes	M	1002	78	372	24.3	5.2	25.1	11.7	1.4	1.4	2.5	5.6	7.7	6.0
	F	1001	47	166	14.9	3.5	11.2	13.9	-	1.0	2.6	4.3	1.0	1.9
Other medical causes	M	3275	176	684	75.6	11.2	47.1	12.2	1.9	3.3	4.5	15.3	23.4	18.1
	F	4833	66	446	62.2	4.6	30.2	7.2	0.5	2.5	3.1	7.5	4.3	6.8
ALL NON-MEDICAL CAUSES	M	2375	578	1032	61.1	37.4	61.6	13.3	7.0	7.6	42.2	73.9	66.2	51.5
	F	1369	154	402	25.0	10.5	24.7	6.7	3.9	3.0	13.6	13.9	18.5	13.9
Motor vehicle traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	22	7	9	0.6	0.5	0.6	1.6	0.5	-	1.0	-	-	0.4
	F	14	1	7	0.3	0.1	0.4	-	-	-	-	0.5	-	-
Suicide	M	979	230	536	25.2	14.5	31.0	-	-	1.9	13.4	26.5	35.6	24.2
	F	399	68	220	9.3	4.4	13.4	-	-	0.5	4.2	6.4	10.9	9.0
Homicide	M	25	14	9	0.7	0.9	0.5	1.6	-	-	0.5	2.0	1.4	1.1
	F	32	16	13	0.9	1.1	0.7	1.7	-	1.0	0.5	2.1	0.5	1.9
POPULATION: (1000s; UN, 2002 revision)			M=male		3547.5	1513.1	1723.8	188.5	213.0	210.8	201.2	196.2	221.9	281.5
			F=female		3625.1	1438.8	1688.5	179.5	203.1	201.5	191.6	187.4	210.3	265.4

2000: SWITZERLAND

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
117.9	170.5	255.4	413.4	656.2	1021.6	1692.4	2828.1	5115.4	13024.6	M	ALL CAUSES	001-999/A00-Y89
71.5	98.3	143.3	235.9	385.8	555.8	840.0	1428.0	2666.9	10531.0	F		
-	0.3	-	-	-	0.5	0.6	1.6	2.2	16.1	M	Tuberculosis	010-018/A15-A19
-	0.4	-	-	-	1.0	-	0.6	-	3.6	F		
7.2	4.7	4.5	1.5	3.4	1.1	1.3	1.6	-	1.1	M	HIV	279.5, 279.6/B20-B24
4.4	4.7	2.0	0.4	1.3	0.5	0.6	-	-	-	F		
1.9	2.4	3.8	3.4	5.9	8.1	11.9	22.5	39.9	74.9	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.3	-	2.4	1.6	3.0	7.2	10.0	14.8	35.5	91.7	F		
16.7	36.4	61.6	154.2	278.2	453.9	671.1	1106.0	1614.9	2487.2	M	ALL CANCER	140-208/C00-C97
25.3	42.1	79.9	127.9	217.3	299.5	388.5	548.5	742.2	1235.5	F		
0.3	2.0	4.5	14.5	22.0	17.3	23.9	24.9	28.0	38.5	M	Mouth and pharynx cancer	140-149/C00-C14
0.7	-	1.2	2.7	4.7	8.2	5.0	6.8	5.7	12.3	F		
-	1.0	2.6	8.4	17.4	16.2	29.5	40.2	38.8	56.7	M	Oesophagus cancer	150/C15
-	0.4	0.4	1.6	3.4	4.6	3.3	6.8	9.9	21.0	F		
1.3	0.7	3.8	6.5	13.5	14.0	19.5	42.6	71.2	106.0	M	Stomach cancer	151/C16
1.0	-	1.6	3.1	5.1	10.3	8.9	14.2	19.9	57.3	F		
2.5	3.4	6.0	12.6	22.0	40.5	72.2	127.7	189.9	303.0	M	Colorectal cancer	153, 154/C18-C21
1.3	1.8	5.9	9.4	18.8	28.3	42.9	52.6	93.8	178.7	F		
0.3	1.0	3.8	5.3	10.6	26.4	34.5	43.4	83.1	60.0	M	Liver cancer	155.0, 155.1/C22
0.3	1.1	0.8	1.6	5.1	4.1	7.8	20.4	17.8	27.6	F		
1.6	2.7	1.9	8.4	14.4	24.3	35.8	65.9	70.1	81.4	M	Pancreas cancer	157/C25
0.3	1.1	2.4	3.5	12.4	18.0	27.3	39.6	58.9	94.2	F		
-	0.3	0.4	2.3	5.9	6.5	6.9	12.9	15.1	12.8	M	Larynx cancer	161/C32
-	-	0.4	0.8	-	0.5	1.7	0.6	0.7	4.1	F		
1.9	7.4	18.0	46.2	84.7	147.3	192.1	299.6	385.1	358.7	M	Lung cancer	162/C33, C34
1.7	3.6	11.0	25.1	35.1	37.6	69.7	73.0	76.7	84.0	F		
2.2	1.7	-	4.2	6.4	8.6	11.3	13.7	21.6	31.0	M	Malignant melanoma	172/C43
1.7	-	2.0	2.4	3.0	3.6	4.5	8.7	7.8	14.3	F		
5.7	16.7	27.2	37.7	58.2	75.1	70.8	92.8	108.7	198.7	F	Female breast cancer	174/C50
2.0	2.5	2.8	1.6	3.0	3.6	3.3	6.2	3.6	11.8	F	Cervix cancer	180/C53
0.3	0.4	2.8	3.9	5.1	7.7	9.5	14.2	27.0	41.0	F	Other uterine cancer	179, 182/C54, C55
1.0	0.7	3.1	4.3	14.1	26.2	24.0	35.9	52.6	69.1	F	Ovarian cancer	183.0/C56
-	-	-	3.4	8.0	32.9	62.8	140.6	282.6	729.1	M	Prostate cancer	185/C61
-	-	1.1	4.2	4.2	11.3	18.2	33.7	45.3	130.6	M	Bladder cancer	188/C67
-	0.7	1.2	1.6	1.3	4.1	7.2	14.8	11.4	42.5	F		
5.3	11.8	13.1	27.5	51.2	75.6	116.8	177.5	257.8	400.4	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
5.4	9.8	11.4	20.0	32.5	48.4	67.4	110.1	161.2	269.8	F		
...	...	...	...	...	...	...	...	...	...	M	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
-	2.7	4.9	5.3	8.5	22.1	31.4	53.0	85.2	113.5	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/ C82-C85, C90
2.4	1.5	3.9	5.9	9.8	14.4	24.5	32.8	63.2	60.4	F		
1.3	1.7	1.5	5.3	9.3	10.8	16.3	30.5	41.0	65.3	M	Leukaemia	204-208/C91-C95
1.3	1.8	2.0	2.7	5.6	4.6	10.6	19.2	23.4	48.6	F		
0.3	1.3	4.9	5.0	13.1	18.3	45.2	77.1	124.1	262.3	M	Diabetes	250/E10-E14
1.0	0.4	1.2	4.3	6.0	9.8	27.3	43.3	85.9	328.2	F		
15.7	35.1	60.1	100.8	167.2	277.4	555.6	969.5	1920.2	6002.1	M	ALL VASCULAR DISEASE	390-459/I00-I99
6.4	9.8	20.1	29.8	45.8	99.3	207.4	428.6	1050.4	5558.1	F		
-	-	-	0.8	-	0.5	0.6	2.4	5.4	27.8	M	Rheumatic heart disease and fever	390-398/I00-I09
0.3	1.7	3.8	3.8	6.4	13.0	32.6	3.1	11.4	35.3	F		
-	0.4	0.8	2.7	0.9	8.2	10.0	35.3	72.4	421.4	M	Hypertensive disease	401-404/I10-I13
5.0	17.9	31.5	57.6	91.9	154.9	303.2	507.6	984.9	2674.5	M	Ischaemic heart disease	410-414/I20-I25
0.7	2.2	7.9	9.4	19.7	38.1	94.2	171.3	413.4	2129.0	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
1.9	4.7	6.0	12.2	16.1	36.2	64.7	147.0	305.3	1085.7	M	Cerebrovascular disease	430-438/I60-I69
2.7	2.5	5.5	8.2	8.1	20.6	36.8	92.1	233.0	1107.0	F		
8.5	10.8	18.8	26.3	52.9	72.9	154.4	257.0	528.6	1919.7	M	Other vascular disease, incl. venous	Rest of 390-459/ rest of I00-I99
3.0	4.7	5.9	9.4	17.1	30.9	64.1	126.8	320.3	1865.3	F		
0.3	-	1.1	5.3	13.1	36.2	60.9	133.3	283.7	578.2	M	Chronic obstructive pulmonary disease	490-494, 496/ J40-J47
0.3	0.4	1.2	3.1	9.0	13.9	20.6	49.5	86.6	198.2	F		
1.3	2.4	3.0	4.6	9.7	15.1	40.2	78.7	202.8	848.0	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
0.3	0.7	1.6	4.3	8.1	12.9	15.6	40.8	95.9	625.7	F		
-	0.3	1.1	0.8	3.0	2.2	3.8	6.4	18.3	55.7	M	Peptic ulcer	531-533/K25-K27
-	-	0.8	0.4	0.4	2.1	3.3	8.7	13.5	50.2	F		
3.1	9.1	13.9	19.5	23.3	31.3	41.4	43.4	39.9	66.4	M	Liver cirrhosis & other liver disease	570-573/ K70-K76
1.3	4.4	3.9	8.2	13.7	14.9	15.6	11.8	22.0	14.8	F		
...	...	...	...	...	...	...	...	...	...	M	Renal disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
-	0.4	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/O00-O99
0.9	0.7	0.4	2.7	2.1	1.6	2.5	3.2	8.6	4.3	M	Congenital and perinatal causes	740-779/ P00-P96, Q00-Q99
1.3	1.1	0.8	3.1	5.6	1.0	5.6	3.7	4.3	5.1	F		
9.1	6.1	13.5	22.5	28.4	39.9	55.9	71.5	140.2	356.5	M	Ill-defined causes	780-799/R00-R99
3.4	2.2	7.1	4.7	15.0	19.0	26.8	34.6	68.2	325.7	F		
14.2	17.9	24.4	33.2	41.5	77.7	120.5	202.4	539.4	1780.5	M	Other medical causes	Rest of 001-799/ rest of A00-R99
9.1	10.2	8.3	22.4	32.1	42.7	86.4	181.8	384.2	1784.9	F		
47.2	53.9	63.1	59.9	67.3	58.3	81.6	110.8	181.2	491.4	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
18.2	21.8	14.2	25.5	28.7	31.9	32.3	61.2	78.1	309.3	F		
...	...	...	...	...	...	...	...	...	...	M	Motor vehicle traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
-	0.3	0.4	-	1.3	0.5	1.9	1.6	1.1	3.2	M	Fire	E890-E899/X00-X09
0.7	0.7	0.4	-	-	0.5	0.6	1.9	0.7	1.0	F		
29.9	29.3	33.4	34.0	33.4	23.7	33.3	49.0	63.6	99.6	M	Suicide	E950-E959/X60-X84
10.1	12.7	10.2	13.0	14.1	19.0	14.5	19.8	18.5	27.1	F		
0.9	0.3	-	0.8	0.4	0.5	0.6	1.6	-	-	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.3	1.1	0.8	0.8	0.4	-	0.6	0.6	0.7	0.5	F		
318.0	296.7	266.3	262.0	236.2	185.3	159.3	124.5	92.7	93.4	M	POPULATION	
296.5	275.7	254.0	254.8	233.8	194.3	179.4	161.7	140.8	195.3	F	(1000s; UN, 2002 revision)	

SWITZERLAND: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & other liver	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1655	100	5	1	94	5	8	51	7	810	674
35-69	Sm.	2331	1246	843	189	214	150	22	560	-	353	-
	Total	9521	3346	951	356	2039	220	109	2809	346	1642	1049
		(24%)	(37%)	(89%)	(53%)	(10%)	(68%)	(20%)	(20%)		(21%)	
70+	Sm.	3179	1342	875	117	350	703	60	776	-	298	-
	Total	20446	4962	998	230	3734	1074	757	9196	155	3571	731
		(16%)	(27%)	(88%)	(51%)	(9%)	(65%)	(8%)	(8%)		(8%)	
Any age	Sm.	5510	2588	1718	306	564	853	82	1336	-	651	-
	Total	31622	8408	1954	587	5867	1299	874	12056	508	6023	2454
		(17%)	(31%)	(88%)	(52%)	(10%)	(66%)	(9%)	(11%)		(11%)	
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1200	82	3	3	76	4	7	46	2	481	578
35-69	Sm.	2122	1233	856	190	187	142	27	441	-	279	-
	Total	8783	3296	976	374	1946	213	146	2372	304	1420	1032
		(24%)	(37%)	(88%)	(51%)	(10%)	(67%)	(18%)	(19%)		(20%)	
70+	Sm.	3215	1447	935	141	371	643	87	728	-	310	-
	Total	20428	5197	1065	274	3858	969	1078	8593	153	3673	765
		(16%)	(28%)	(88%)	(51%)	(10%)	(66%)	(8%)	(8%)		(8%)	
Any age	Sm.	5337	2680	1791	331	558	785	114	1169	-	589	-
	Total	30411	8575	2044	651	5880	1186	1231	11011	459	5574	2375
		(18%)	(31%)	(88%)	(51%)	(9%)	(66%)	(9%)	(11%)		(11%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)														
1995		3517.2	1645.7	1587.4	298.6	269.0	266.4	243.0	194.4	172.9	143.1	116.5	80.2	87.4
2000		3547.5	1513.1	1723.8	318.0	296.7	266.3	262.0	236.2	185.3	159.3	124.5	92.7	93.4
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		31622	1655	9521	485	560	829	1128	1475	2113	2931	4027	4459	11960
2000		30411	1200	8783	375	506	680	1083	1550	1893	2696	3521	4742	12165
Lung cancer														
1995		1954	5	951	6	28	59	106	187	238	327	384	289	325
2000		2044	3	976	6	22	48	121	200	273	306	373	357	335
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)														
All causes														
1995		805.4*	95.2*	739.3*	162.4	208.2	311.2	464.2	758.7	1222.1	2048.2	3456.7	5559.9	13684.2
2000		712.9*	79.1*	618.2*	117.9	170.5	255.4	413.4	656.2	1021.6	1692.4	2828.1	5115.4	13024.6
All cancer														
1995		218.6*	5.7*	268.6*	17.4	46.5	88.6	159.3	310.2	477.2	781.3	1205.2	1591.0	2611.0
2000		202.8*	5.2*	238.8*	16.7	36.4	61.6	154.2	278.2	453.9	671.1	1106.0	1614.9	2487.2
Lung cancer														
1995		51.9*	0.3*	77.2*	2.0	10.4	22.1	43.6	96.2	137.7	228.5	329.6	360.3	371.9
2000		49.2*	0.2*	71.1*	1.9	7.4	18.0	46.2	84.7	147.3	192.1	299.6	385.1	358.7
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		15.8*	0.1*	27.1*	1.3	7.8	13.1	21.8	41.7	44.5	59.4	70.4	64.8	109.8
2000		15.9*	0.2*	26.0*	0.3	3.4	7.5	25.2	45.3	39.9	60.3	77.9	82.0	108.1
Other cancer														
1995		150.8*	5.4*	164.3*	14.1	28.3	53.3	93.8	172.3	295.0	493.4	805.2	1165.8	2129.3
2000		137.7*	4.8*	141.8*	14.5	25.6	36.0	82.8	148.2	266.6	418.7	728.5	1147.8	2020.3
Chronic obstructive pulmonary disease (COPD)														
1995		32.1*	0.3*	19.4*	-	0.7	2.3	5.8	10.8	34.1	82.5	175.1	325.4	696.8
2000		26.9*	0.2*	16.7*	0.3	-	1.1	5.3	13.1	36.2	60.9	133.3	283.7	578.2
Other respiratory disease														
1995		21.2*	0.5*	8.8*	1.3	2.2	1.5	4.5	7.7	17.9	26.6	67.0	163.3	627.0
2000		27.3*	0.5*	10.9*	1.3	2.4	3.0	4.6	9.7	15.1	40.2	78.7	202.8	848.0
Vascular disease														
1995		300.1*	2.7*	229.0*	15.4	37.9	70.9	127.6	216.6	393.3	741.4	1341.6	2362.8	6565.2
2000		249.9*	2.8*	173.1*	15.7	35.1	60.1	100.8	167.2	277.4	555.6	969.5	1920.2	6002.1
Liver cirrhosis and other liver disease														
1995		13.8*	0.3*	25.4*	3.7	8.9	14.6	25.9	33.4	45.1	46.1	53.2	48.6	61.8
2000		11.3*	0.1*	20.2*	3.1	9.1	13.9	19.5	23.3	31.3	41.4	43.4	39.9	66.4
Other medical causes														
1995		154.2*	46.5*	118.6*	69.7	62.1	65.3	81.9	106.0	170.6	274.6	485.8	874.1	2636.2
2000		133.6*	32.9*	96.8*	33.6	33.7	52.6	69.1	97.4	149.5	241.7	386.3	872.7	2551.4
All non-medical causes														
1995		65.5*	39.1*	69.4*	54.9	49.8	67.9	59.3	74.1	83.9	95.7	128.8	194.5	486.3
2000		61.1*	37.4*	61.6*	47.2	53.9	63.1	59.9	67.3	58.3	81.6	110.8	181.2	491.4

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: SWITZERLAND

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & other liver	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	798	77	3	1	73	0	7	33	2	465	214
35-69	Sm.	462	234	187	19	28	46	6	90	-	86	-
	Total	5099 (9%)	2503 (9%)	310 (60%)	70 (27%)	2123 (1%)	103 (45%)	57 (11%)	982 (9%)	149	906 (9%)	399
70+	Sm.	713	191	141	19	31	154	17	236	-	115	-
	Total	25870 (3%)	4335 (4%)	287 (49%)	101 (19%)	3947 (1%)	471 (33%)	992 (2%)	13112 (2%)	86	6134 (2%)	740
Any age	Sm.	1175	425	328	38	59	200	23	326	-	201	-
	Total	31767 (4%)	6915 (6%)	600 (55%)	172 (22%)	6143 (1%)	574 (35%)	1056 (2%)	14127 (2%)	237	7505 (3%)	1353
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	566	82	4	0	78	0	8	27	4	291	154
35-69	Sm.	577	313	253	28	32	51	10	100	-	103	-
	Total	4937 (12%)	2507 (12%)	387 (65%)	84 (33%)	2036 (2%)	98 (52%)	90 (11%)	845 (12%)	136	859 (12%)	402
70+	Sm.	1064	293	222	29	42	247	35	324	-	165	-
	Total	26631 (4%)	4345 (7%)	390 (57%)	119 (24%)	3836 (1%)	589 (42%)	1423 (2%)	13027 (2%)	79	6355 (3%)	813
Any age	Sm.	1641	606	475	57	74	298	45	424	-	268	-
	Total	32134 (5%)	6934 (9%)	781 (61%)	203 (28%)	5950 (1%)	687 (43%)	1521 (3%)	13899 (3%)	219	7505 (4%)	1369

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
	1995	3600.9	1554.6	1582.3	276.2	255.1	257.0	237.2	198.6	186.0	172.2	157.7	119.7	186.6
	2000	3625.1	1438.8	1688.5	296.5	275.7	254.0	254.8	233.8	194.3	179.4	161.7	140.8	195.3
NUMBER OF DEATHS (Source: WHO)														
All causes														
	1995	31767	798	5099	218	307	440	635	765	1088	1646	2626	3511	19733
	2000	32134	566	4937	212	271	364	601	902	1080	1507	2309	3755	20567
Lung cancer														
	1995	600	3	310	6	18	23	40	60	78	85	104	75	108
	2000	781	4	387	5	10	28	64	82	73	125	118	108	164
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
	1995	480.4*	49.0*	366.3*	78.9	120.3	171.2	267.7	385.2	584.9	955.9	1665.2	2933.2	10575.0
	2000	450.5*	40.1*	332.9*	71.5	98.3	143.3	235.9	385.8	555.8	840.0	1428.0	2666.9	10531.0
All cancer														
	1995	129.0*	4.5*	179.3*	24.6	52.9	91.1	150.5	211.5	300.0	424.5	600.5	761.1	1327.4
	2000	121.5*	5.4*	168.7*	25.3	42.1	79.9	127.9	217.3	299.5	388.5	548.5	742.2	1235.5
Lung cancer														
	1995	12.8*	0.1*	22.4*	2.2	7.1	8.9	16.9	30.2	41.9	49.4	65.9	62.7	57.9
	2000	15.2*	0.2*	26.3*	1.7	3.6	11.0	25.1	35.1	37.6	69.7	73.0	76.7	84.0
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
	1995	3.3*	0.0*	4.9*	-	2.0	3.1	3.8	9.1	9.1	7.5	11.4	14.2	35.4
	2000	3.6*	-	5.7*	0.7	0.4	2.0	5.1	8.1	13.4	10.0	14.2	16.3	37.4
Other cancer														
	1995	112.9*	4.3*	152.0*	22.4	43.9	79.0	129.8	172.2	248.9	367.6	523.1	684.2	1234.2
	2000	102.7*	5.2*	136.7*	22.9	38.1	66.9	97.7	174.1	248.6	308.8	461.3	649.1	1114.2
Chronic obstructive pulmonary disease (COPD)														
	1995	8.7*	-	7.9*	0.4	-	1.6	2.5	7.0	16.1	27.9	39.3	71.0	173.6
	2000	9.6*	-	6.9*	0.3	0.4	1.2	3.1	9.0	13.9	20.6	49.5	86.6	198.2
Other respiratory disease														
	1995	13.3*	0.4*	4.0*	1.1	1.2	2.3	3.8	4.0	7.5	8.1	27.9	76.9	458.7
	2000	18.2*	0.5*	6.2*	0.3	0.7	1.6	4.3	8.1	12.9	15.6	40.8	95.9	625.7
Vascular disease														
	1995	183.8*	2.0*	73.9*	7.2	14.5	19.5	31.2	65.0	125.3	254.9	585.9	1270.7	5716.5
	2000	166.5*	1.7*	59.8*	6.4	9.8	20.1	29.8	45.8	99.3	207.4	428.6	1050.4	5558.1
Liver cirrhosis and other liver disease														
	1995	5.4*	0.1*	10.2*	1.4	4.7	8.9	11.4	13.6	13.4	18.0	16.5	18.4	20.4
	2000	4.6*	0.2*	8.9*	1.3	4.4	3.9	8.2	13.7	14.9	15.6	11.8	22.0	14.8
Other medical causes														
	1995	113.7*	28.8*	64.6*	26.1	26.7	29.2	40.5	56.9	90.9	181.8	336.1	664.2	2577.2
	2000	105.1*	21.7*	57.8*	19.6	19.2	22.4	36.9	63.3	83.4	160.0	287.6	591.6	2589.3
All non-medical causes														
	1995	26.5*	13.1*	26.4*	18.1	20.4	18.7	27.8	27.2	31.7	40.7	59.0	71.0	301.2
	2000	25.0*	10.5*	24.7*	18.2	21.8	14.2	25.5	28.7	31.9	32.3	61.2	78.1	309.3

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

SWITZERLAND: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.2	– / 0.6	–
35–69	2.1 / 8.8	0.6 / 4.9	23 years
70+	3.2 / 20	1.1 / 27	8 years
All ages	5.3 / 30	1.6 / 32	14 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

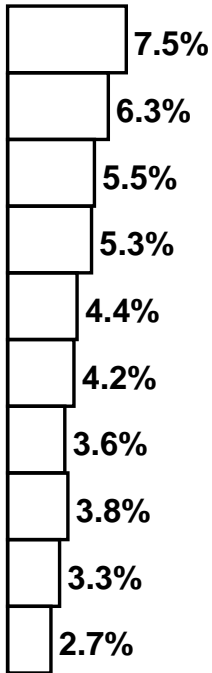
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	0.9/1.0	0.9/1.1	1.8/2.0	–/0.0	0.3/0.4	0.2/0.4	0.5/0.8
All Cancer	–/0.1	1.2/3.3 (37%)	1.4/5.2 (28%)	2.7/8.6	–/0.1	0.3/2.5 (12%)	0.3/4.3 (7%)	0.6/6.9
Vascular	–/0.0	0.4/2.4	0.7/8.6	1.2/11	–/0.0	0.1/0.8	0.3/13	0.4/14
Respiratory	–/0.0	0.2/0.4	0.7/2.0	0.9/2.4	–/0.0	0.1/0.2	0.3/2.0	0.3/2.2
All Other	–/1.1	0.3/2.8	0.3/4.6	0.6/8.4	–/0.4	0.1/1.4	0.2/7.2	0.3/9.1
All Causes	–/1.2	2.1/8.8 (24%)	3.2/20 (16%)	5.3/30	–/0.6	0.6/4.9 (12%)	1.1/27 (4%)	1.6/32

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	2.7 / 8.6 (31%)	0.6 / 6.9 (9%)	3.3 / 16 (21%)
All Causes	5.3 / 30 (18%)	1.6 / 32 (5%)	7.0 / 63 (11%)

1955-2000: SWITZERLAND

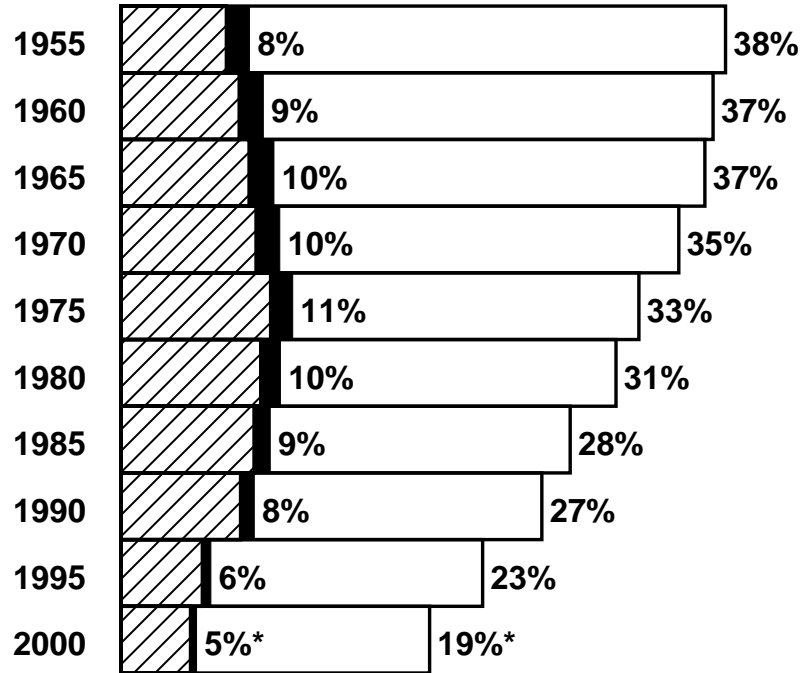
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

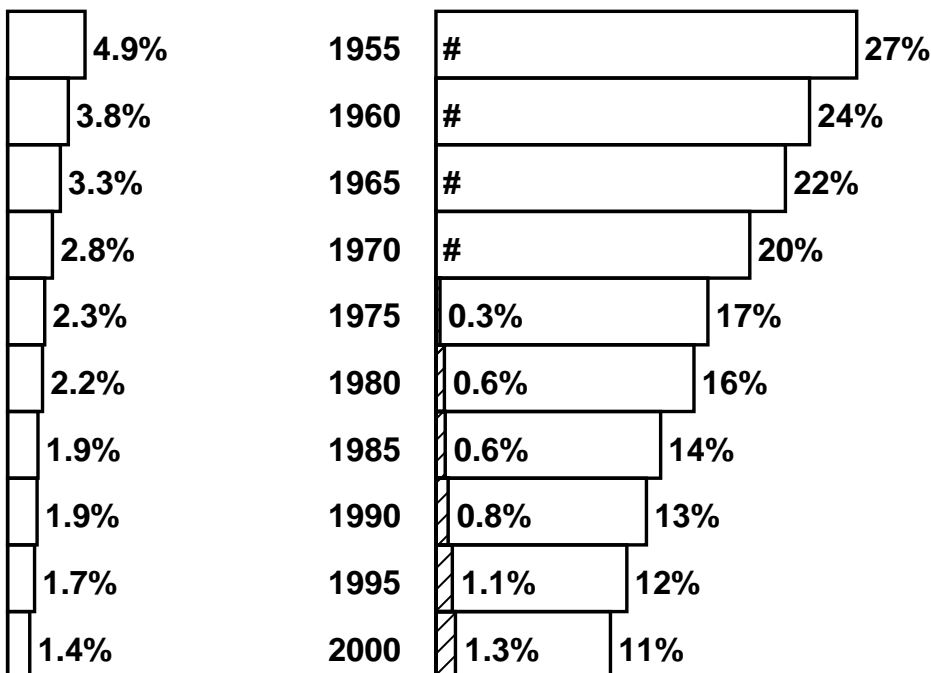
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 19 would die before age 70 (with 5 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

SWITZERLAND: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/3.0	2.4/11 (22%)	0.7/12 (6%)	3.1/26	-/1.9	0.0/8.1	0.0/15	0.0/25
1960	-/2.8	2.8/11 (25%)	1.0/13 (8%)	3.8/27	-/1.6	0.0/7.6	0.0/16	0.0/25
1965	-/2.7	3.2/12 (27%)	1.5/14 (10%)	4.6/29	-/1.6	0.0/7.7	0.0/17	0.0/26
1970	-/2.7	3.5/12 (29%)	2.1/15 (14%)	5.6/30	-/1.4	0.0/7.2	0.0/19	0.0/27
1975	-/2.1	3.8/11 (33%)	2.7/16 (17%)	6.4/30	-/1.1	0.1/6.3 (2%)	0.0/19	0.1/26
1980	-/1.9	3.5/11 (32%)	3.2/18 (18%)	6.6/31	-/0.9	0.2/5.8 (3%)	0.2/22 (0.7%)	0.4/28
1985	-/1.7	3.3/10 (32%)	3.6/19 (19%)	6.9/31	-/0.8	0.2/5.3 (4%)	0.3/23 (1%)	0.5/29
1990	-/2.0	3.1/10 (31%)	3.7/20 (18%)	6.8/32	-/0.9	0.3/5.2 (6%)	0.9/25 (3%)	1.2/31
1995	-/1.7	2.3/9.5 (24%)	3.2/20 (16%)	5.5/32	-/0.8	0.5/5.1 (9%)	0.7/26 (3%)	1.2/32
2000	-/1.2	2.1/8.8 (24%)	3.2/20 (16%)	5.3/30	-/0.6	0.6/4.9 (12%)	1.1/27 (4%)	1.6/32

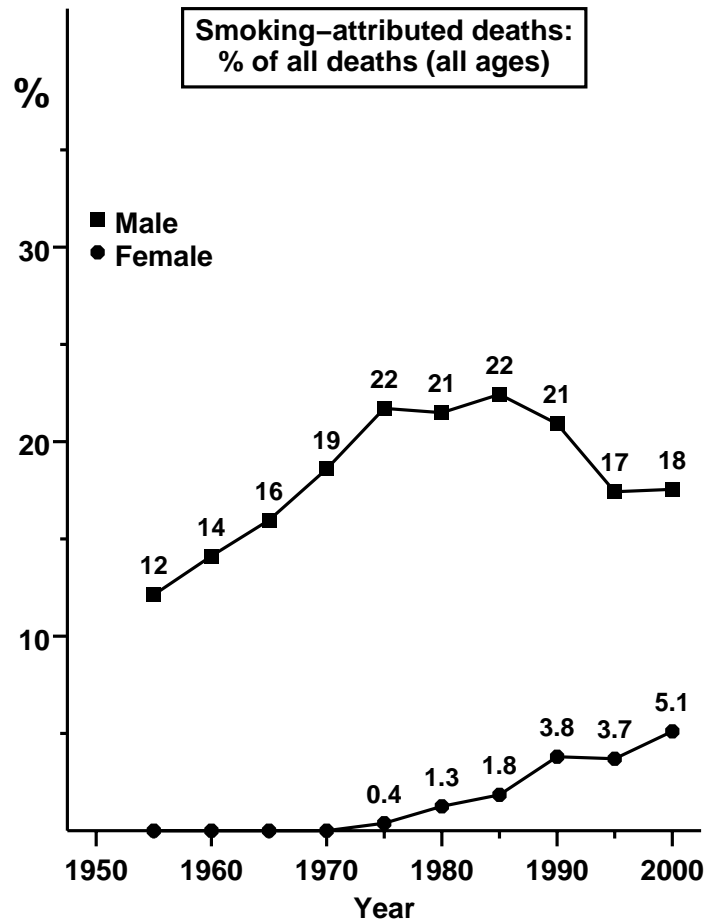
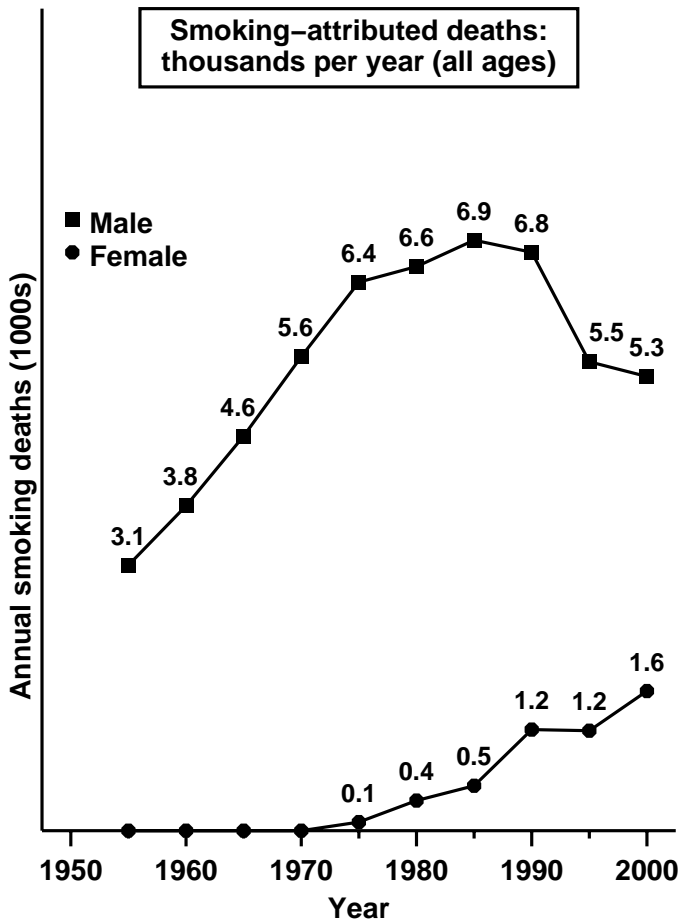
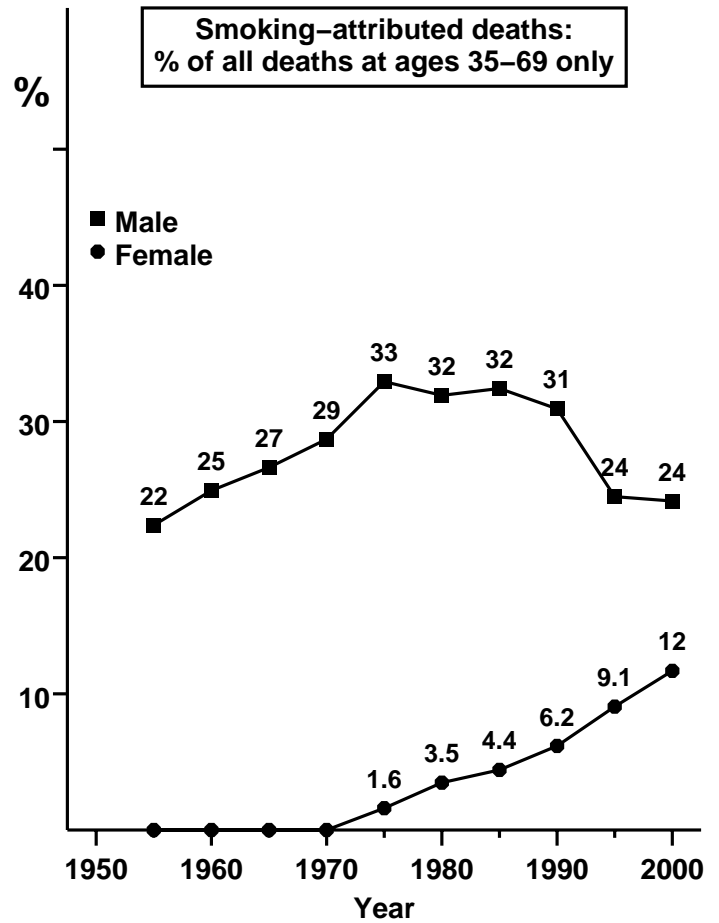
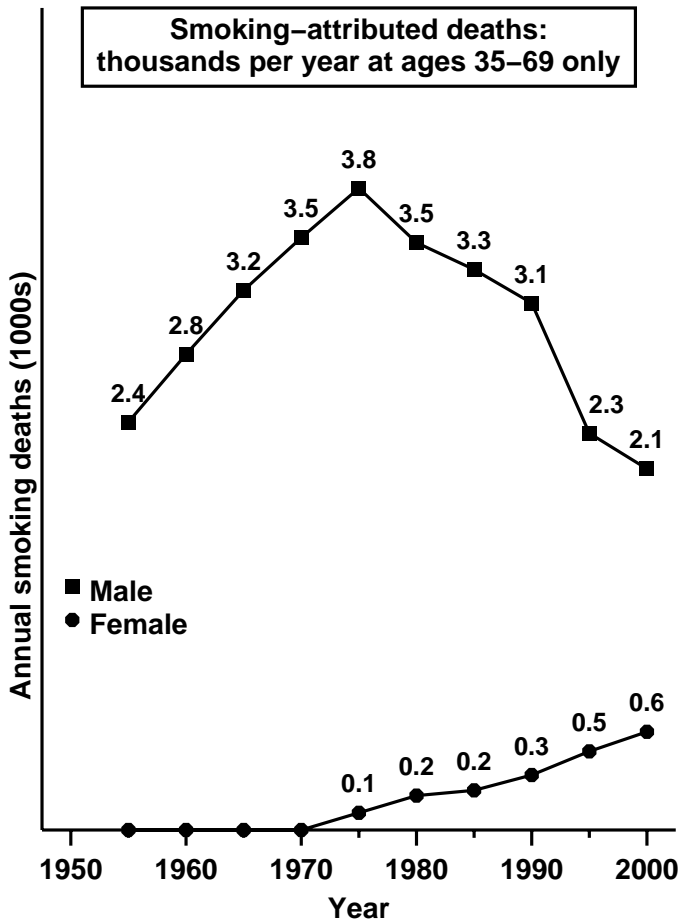
50-year total* (thousands), mid-1950 to mid-2000: 285 / 2848

1950-2000 by age & sex:

-/112	150/537 (28%)	117/821 (14%)	267/1470	-/62	8.0/325 (2%)	10/991 (1%)	18/1378
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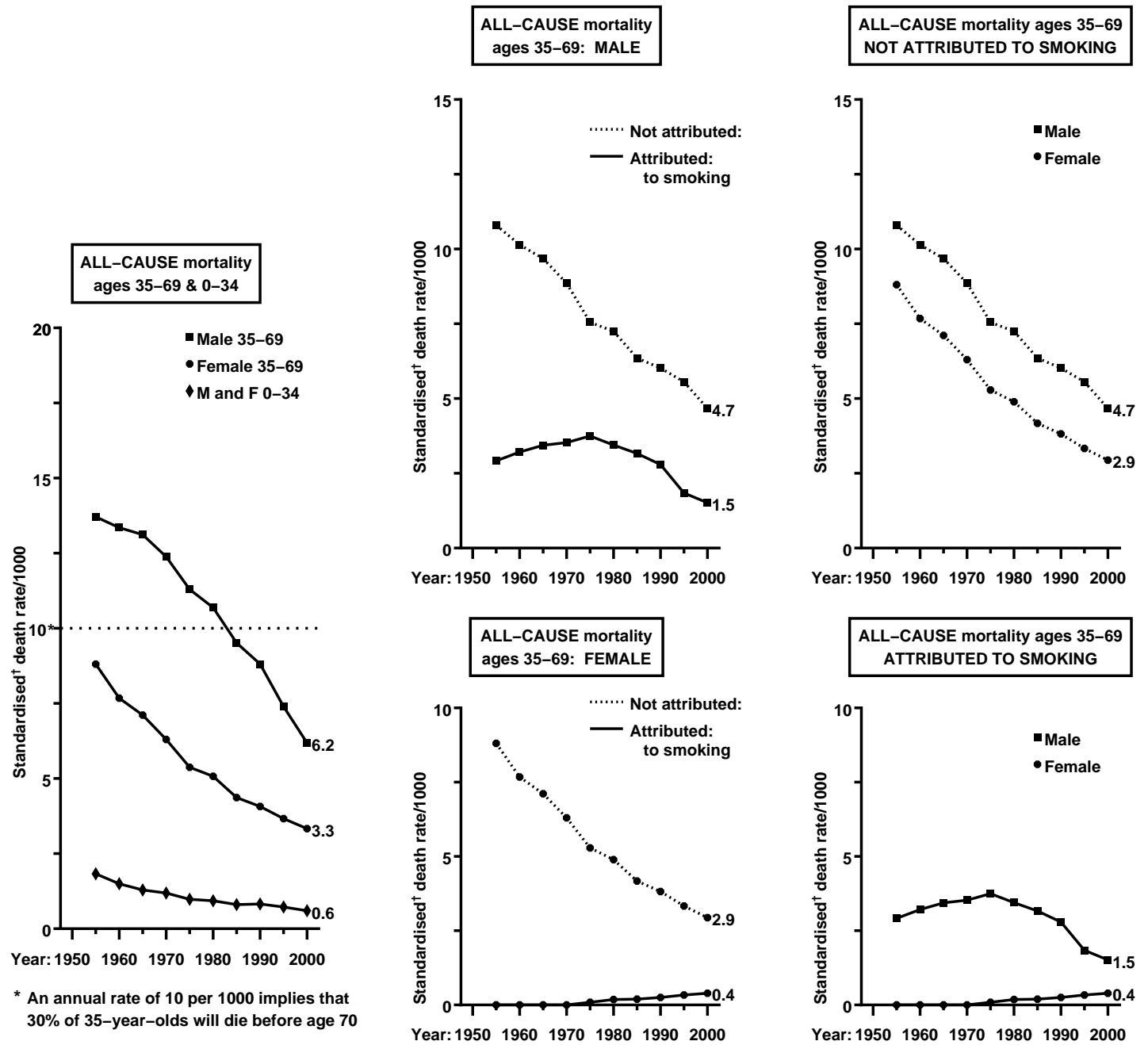
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: SWITZERLAND



SWITZERLAND: 1955-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

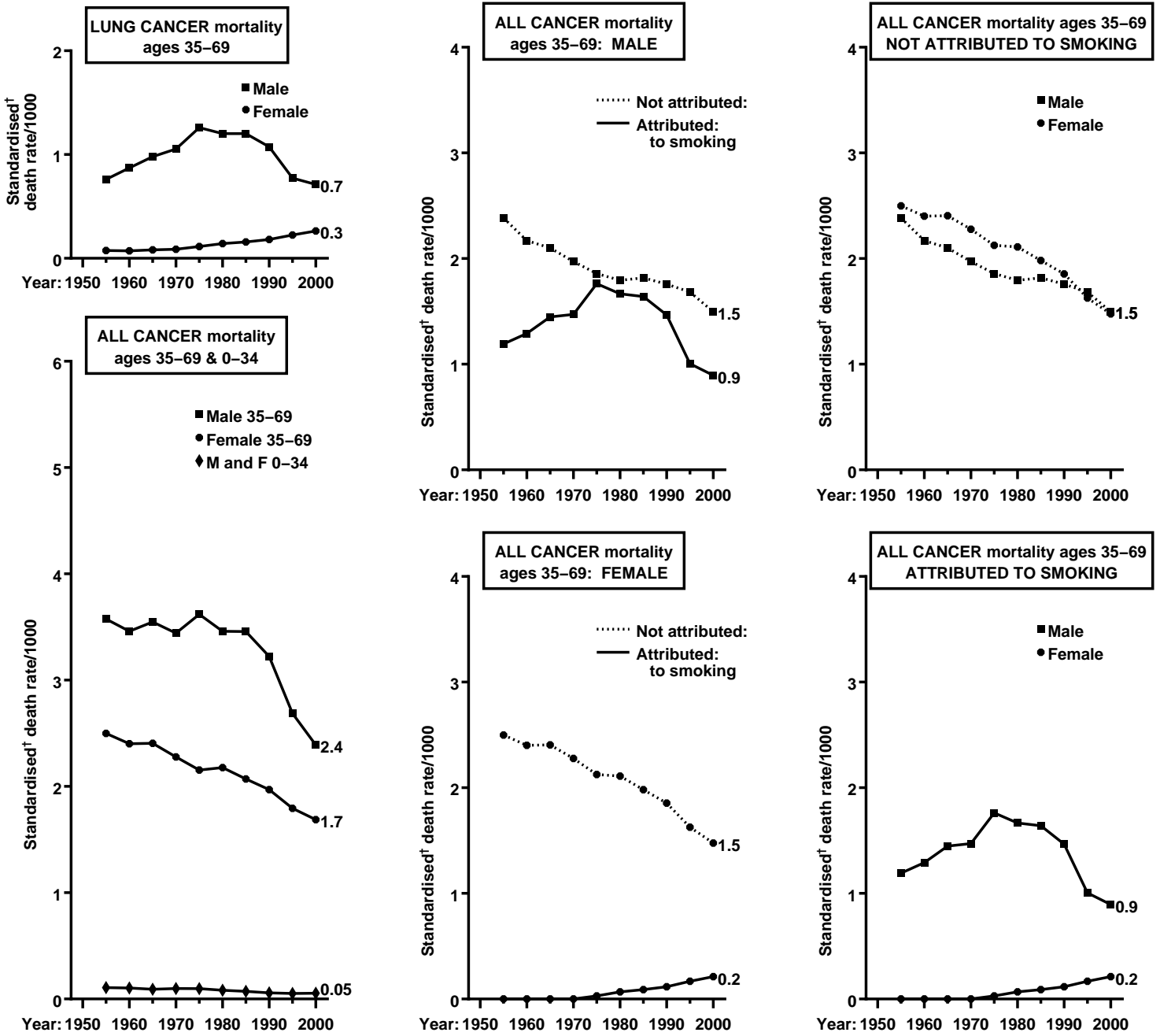


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	2.22	2.91	10.8	5.15	72.4	-	1.43	0.00	8.81	0.00	60.3	-	0.00	0.00	60.3
1960	-	1.87	3.21	10.1	6.62	68.5	-	1.11	0.00	7.67	0.00	55.0	-	0.00	0.00	55.0
1965	-	1.61	3.44	9.68	8.70	66.1	-	0.97	0.00	7.11	0.00	51.5	-	0.00	0.00	51.5
1970	-	1.55	3.53	8.86	10.9	58.6	-	0.82	0.00	6.30	0.00	45.9	-	0.00	0.00	45.9
1975	-	1.28	3.75	7.55	12.1	51.7	-	0.68	0.09	5.28	0.00	38.0	-	0.00	0.00	38.0
1980	-	1.22	3.44	7.25	12.3	47.2	-	0.64	0.18	4.89	0.35	33.8	-	0.35	0.35	33.8
1985	-	1.05	3.16	6.35	12.2	42.6	-	0.55	0.19	4.17	0.68	28.3	-	0.68	0.68	28.3
1990	-	1.11	2.79	6.02	11.7	40.9	-	0.54	0.25	3.82	1.25	26.2	-	1.25	1.25	26.2
1995	-	0.95	1.84	5.55	8.60	36.5	-	0.49	0.33	3.33	1.04	22.0	-	1.04	1.04	22.0
2000	-	0.79	1.51	4.67	7.82	31.9	-	0.40	0.39	2.94	1.30	19.2	-	1.30	1.30	19.2

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000: SWITZERLAND

Trends in ALL CANCER mortality attributed and not attributed to smoking



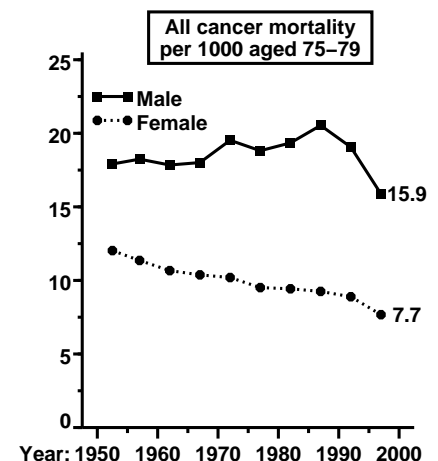
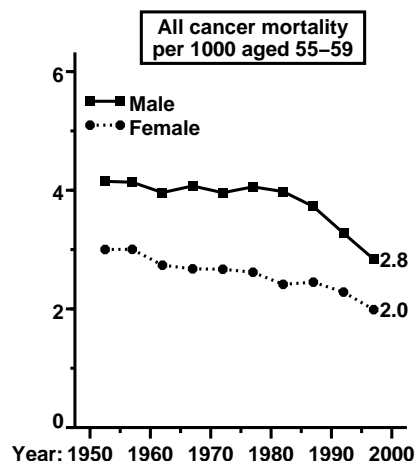
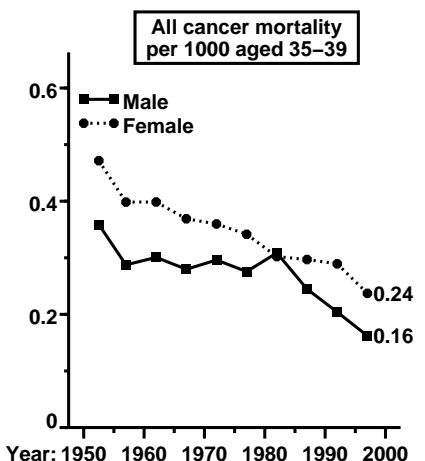
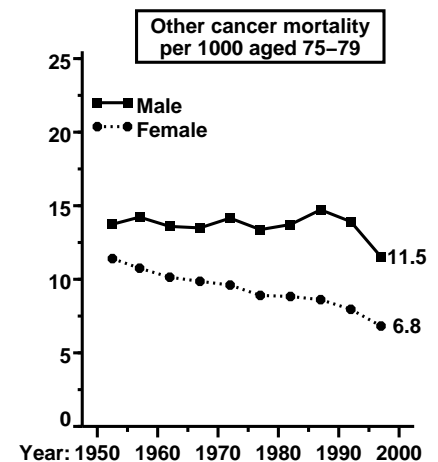
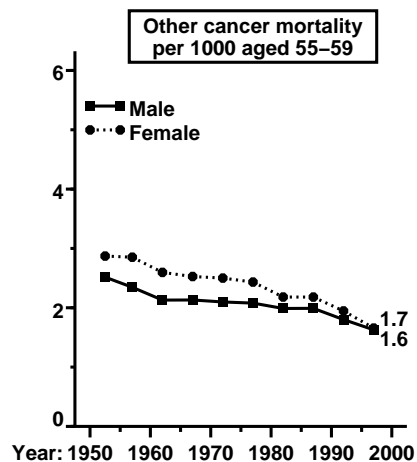
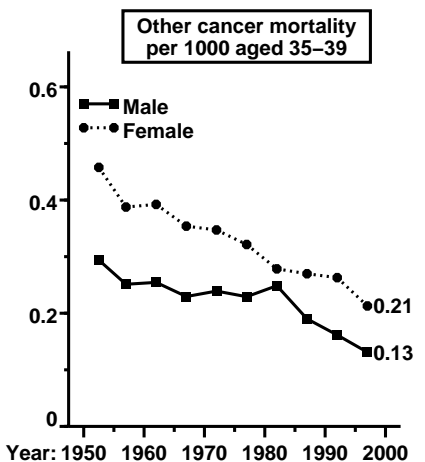
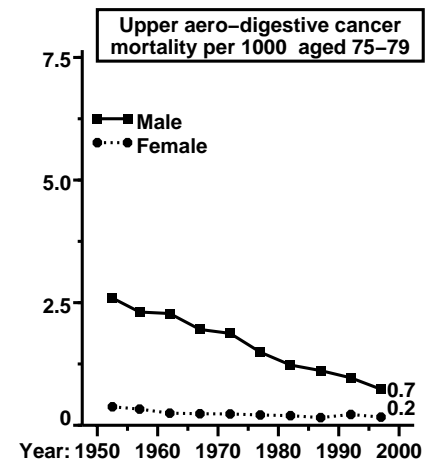
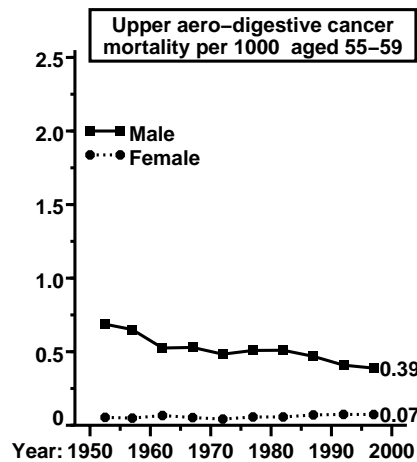
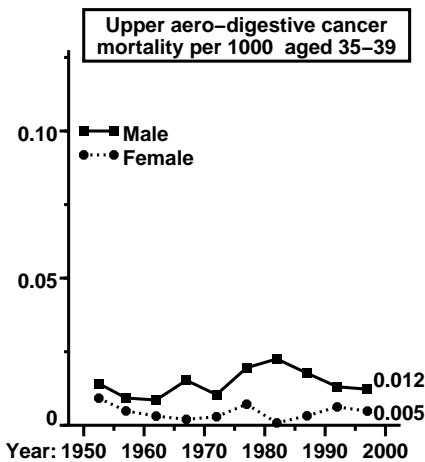
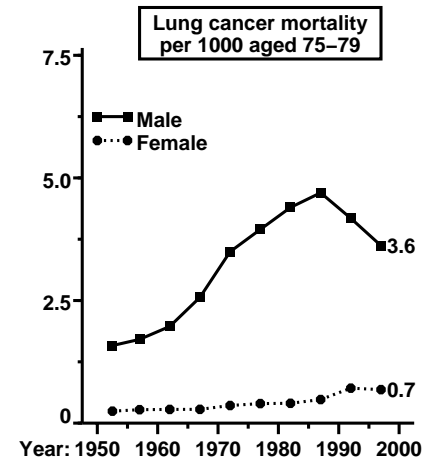
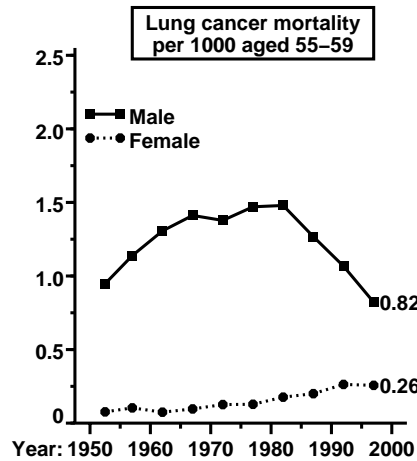
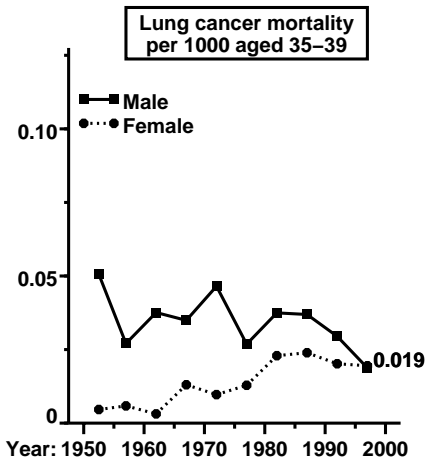
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950
1955	-	0.11	1.19	2.38	2.21	13.3	-	0.10	0.00	2.50	0.00	9.75	0.00	9.46	0.00	9.23
1960	-	0.11	1.29	2.17	2.87	12.4	-	0.09	0.00	2.40	0.00	9.23	0.00	8.93	0.00	8.59
1965	-	0.11	1.45	2.10	3.74	12.2	-	0.07	0.00	2.40	0.00	8.93	0.00	8.59	0.00	7.97
1970	-	0.11	1.47	1.97	4.60	11.5	-	0.08	0.00	2.28	0.00	8.93	0.00	8.59	0.00	7.97
1975	-	0.12	1.76	1.86	5.54	11.2	-	0.08	0.03	2.12	0.00	8.59	0.00	7.97	0.00	7.88
1980	-	0.09	1.67	1.79	5.65	10.3	-	0.07	0.07	2.11	0.10	7.97	0.23	7.88	0.47	7.66
1985	-	0.08	1.64	1.82	6.16	11.5	-	0.07	0.09	1.98	0.23	7.88	0.47	7.66	0.41	6.40
1990	-	0.06	1.47	1.76	5.71	11.0	-	0.05	0.12	1.85	0.47	7.66	0.41	6.40	0.54	5.91
1995	-	0.06	1.00	1.68	4.33	9.65	-	0.04	0.17	1.63	0.41	6.40	0.54	5.91		
2000	-	0.05	0.89	1.49	4.32	9.28	-	0.05	0.21	1.48	0.54	5.91				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

SWITZERLAND: 1951-2000

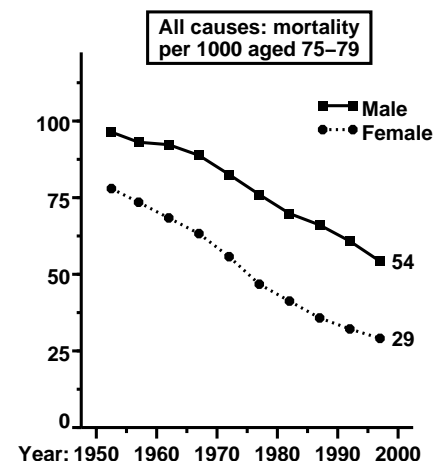
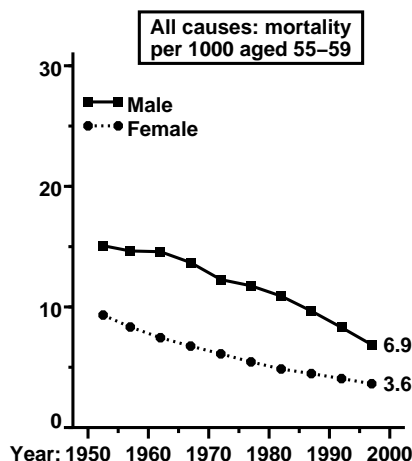
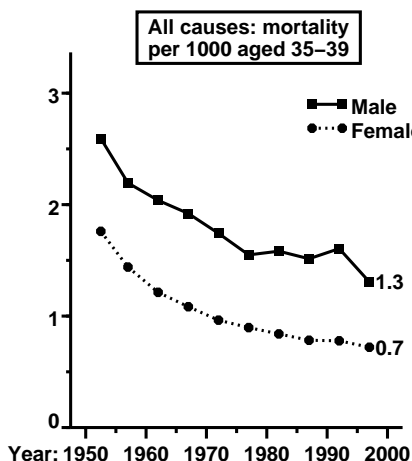
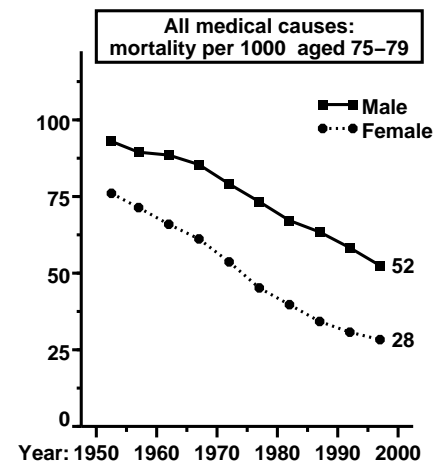
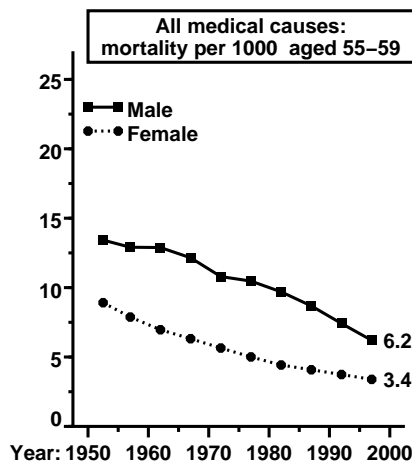
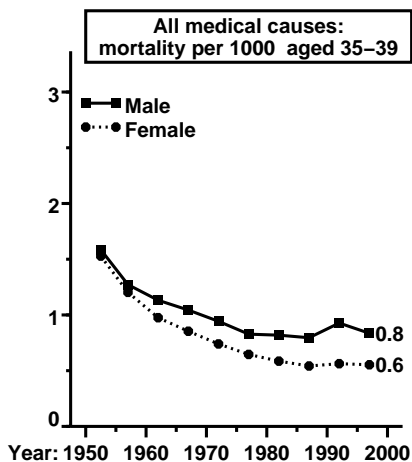
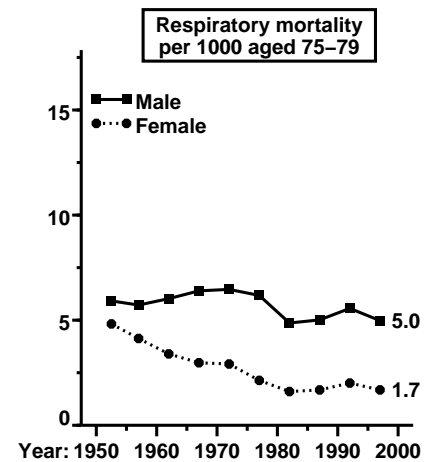
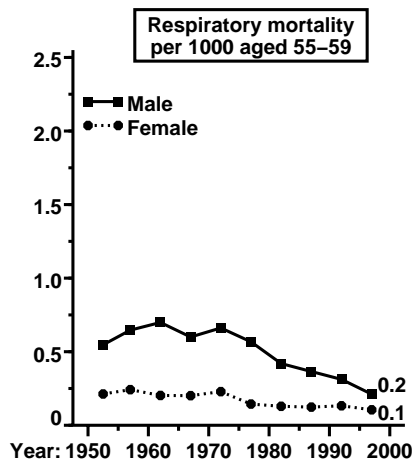
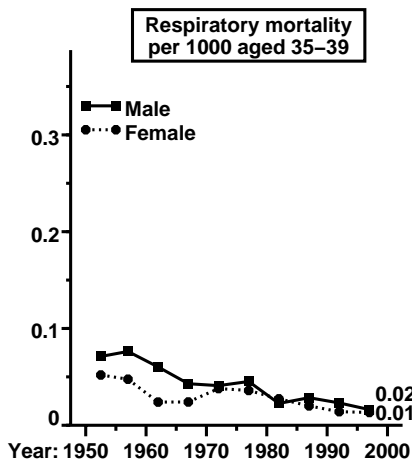
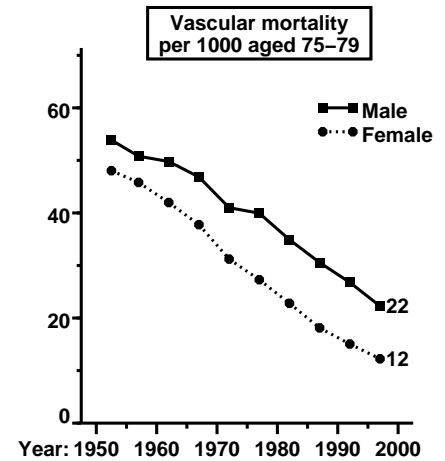
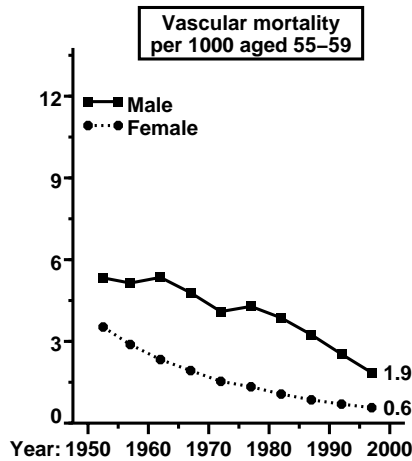
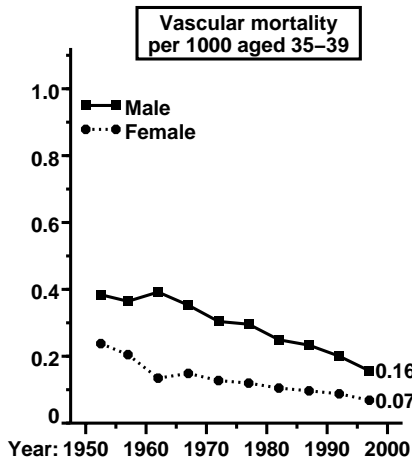
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 470-471

1951-2000: SWITZERLAND

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 470-471

UKRAINE: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)							
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34	
ALL CAUSES	M	382260	27616	210854	1855.3	242.3	2434.5	324.5	44.5	46.4	130.5	270.8	363.2	516.3	
	F	375822	9678	100292	965.0	93.4	914.4	237.0	27.2	27.7	51.9	72.6	93.4	143.8	
Tuberculosis	M	9746	1775	7513	42.2	14.8	72.3	0.3	0.1	-	2.0	15.4	32.2	53.3	
	F	1230	284	766	4.4	2.4	6.3	0.2	-	0.1	0.9	3.0	5.6	6.7	
HIV	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other infective and parasitic	M	1093	436	559	5.3	4.4	6.0	16.6	0.8	0.5	1.6	2.7	3.9	4.8	
	F	656	300	258	2.8	3.1	2.2	11.6	0.8	0.5	1.0	2.1	2.5	3.3	
ALL CANCER	M	55151	1280	36893	252.4	10.8	446.1	6.6	5.6	5.3	8.6	11.8	14.8	22.9	
	F	41972	1166	24025	122.7	10.2	215.2	7.4	3.9	4.8	5.9	8.4	13.5	27.1	
Mouth and pharynx cancer	M	3170	34	2604	14.6	0.3	30.1	0.1	0.1	0.1	0.3	0.4	0.2	0.8	
	F	446	12	217	1.3	0.1	2.0	0.1	-	-	0.1	0.1	0.3	0.1	
Oesophagus cancer	M	1594	4	1217	7.3	0.0	14.6	-	-	-	-	-	0.1	0.2	
	F	260	-	101	0.7	-	0.9	-	-	-	-	-	-	-	
Stomach cancer	M	7539	68	4984	34.5	0.6	60.2	-	-	-	0.2	0.5	1.1	2.1	
	F	4895	72	2530	13.6	0.6	23.0	-	-	-	0.1	0.4	1.1	2.7	
Colorectal cancer	M	5771	48	3256	26.9	0.4	40.7	-	-	0.1	0.2	0.3	0.7	1.5	
	F	5792	31	2818	15.7	0.3	25.7	-	-	0.1	0.1	0.2	0.5	1.0	
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Larynx cancer	M	2068	4	1644	9.5	0.0	19.5	-	-	-	0.1	-	-	0.2	
	F	63	3	32	0.2	0.0	0.3	-	-	0.1	-	-	-	0.1	
Lung cancer	M	15887	67	11213	71.7	0.6	137.8	-	-	-	0.1	0.4	1.0	2.5	
	F	2913	38	1483	8.1	0.3	13.5	0.1	-	-	0.1	0.2	0.5	1.4	
Malignant melanoma	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Female breast cancer	M	7998	86	5493	24.8	0.7	48.3	-	-	0.1	0.1	0.1	0.8	4.2	
Cervix cancer	F	2443	115	1537	7.6	1.0	13.2	-	-	-	0.1	0.6	2.1	4.0	
Other uterine cancer	F	2236	21	1297	6.3	0.2	11.8	-	-	-	0.1	0.2	0.3	0.7	
Ovarian cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Prostate cancer	M	2537	5	1092	12.2	0.0	14.4	-	-	-	0.1	-	0.1	0.2	
Bladder cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other and ill-defined cancer sites	M	13735	636	9048	63.0	5.4	107.6	3.4	3.3	2.6	4.4	5.8	6.9	11.4	
	F	12595	464	7200	37.0	4.1	64.6	3.6	2.7	2.6	2.7	3.8	4.8	8.4	
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and all lymphomas	M	1279	201	859	5.7	1.6	9.6	0.5	0.8	0.7	1.8	2.6	2.8	2.3	
	F	944	144	536	3.0	1.2	4.8	0.8	0.2	0.5	0.8	1.9	2.1	2.3	
Leukaemia	M	1571	213	976	7.1	1.9	11.6	2.6	1.5	1.8	1.7	1.8	1.9	1.7	
	F	1387	180	781	4.4	1.6	7.0	2.9	1.0	1.6	1.7	1.0	1.1	2.2	
Diabetes	M	1408	156	929	6.3	1.3	10.6	0.1	0.1	0.1	0.3	1.6	3.4	3.3	
	F	2066	160	1193	6.1	1.3	10.7	-	0.1	0.2	1.0	1.6	3.1	3.2	
ALL VASCULAR DISEASE	M	196536	2181	92452	993.0	18.6	1134.5	8.3	0.7	1.2	4.8	14.8	30.6	70.2	
	F	267340	677	52779	640.3	5.9	495.3	5.2	0.5	1.4	3.1	5.6	7.5	18.3	
Rheumatic heart disease and fever	M	1331	73	1151	6.0	0.6	12.6	-	-	0.1	0.3	0.4	1.1	2.4	
	F	1758	42	1399	5.8	0.3	12.4	-	-	0.2	0.4	0.5	0.2	1.1	
Hypertensive disease	M	570	13	440	2.7	0.1	5.0	-	-	-	-	0.1	0.3	0.4	
	F	524	10	277	1.5	0.1	2.5	-	-	-	0.1	0.1	0.2	0.3	
Ischaemic heart disease	M	130474	864	60102	658.3	7.3	747.0	-	-	-	1.4	4.7	11.4	33.6	
	F	168724	158	31257	398.8	1.3	296.0	-	-	-	0.4	1.3	1.7	5.9	
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	44612	320	20810	225.3	2.7	259.1	1.0	0.1	0.2	1.3	2.5	4.4	9.4	
	F	71414	156	16103	173.4	1.3	150.6	0.2	0.4	0.4	0.6	1.3	2.2	4.0	
Other vascular disease, incl. venous	M	19549	911	9949	100.8	7.9	110.8	7.3	0.6	0.9	1.8	7.1	13.3	24.4	
	F	24920	311	3743	60.8	2.9	33.8	5.0	0.1	0.8	1.6	2.3	3.3	7.0	
Chronic obstructive pulmonary disease	M	20477	235	9971	101.0	2.0	126.4	0.6	-	0.2	0.8	1.5	3.3	7.4	
	F	10113	108	2268	24.7	0.9	21.1	0.8	0.2	0.3	0.8	1.0	1.4	2.2	
Other respiratory disease	M	5636	910	4205	26.1	8.7	42.9	23.7	0.7	0.7	2.5	5.4	10.6	17.4	
	F	1673	405	891	6.3	4.3	7.6	16.8	0.7	0.9	1.1	2.3	3.6	4.6	
Peptic ulcer	M	1544	80	1126	7.0	0.7	12.3	0.1	-	-	0.2	0.4	1.6	2.3	
	F	533	9	285	1.5	0.1	2.6	-	-	-	-	-	0.2	0.3	
Liver cirrhosis & some other digestive	M	8993	555	7489	40.2	4.7	79.7	0.5	-	0.4	0.9	3.4	7.8	19.8	
	F	4243	192	3200	14.2	1.6	27.8	0.5	0.1	0.3	0.4	1.3	3.0	5.9	
Renal disease	M	1831	180	1252	8.3	1.5	13.6	0.4	0.1	0.3	0.8	1.4	3.4	4.0	
	F	1562	127	1025	4.9	1.1	8.9	0.7	0.3	0.4	1.1	1.5	2.0	1.7	
Pregnancy, birth congenital and perinatal causes	F	95	71	24	0.4	0.6	0.2	-	-	-	0.6	0.8	1.4	1.2	
	M	2493	2308	179	16.5	28.2	1.7	183.2	4.1	2.7	2.7	2.2	1.2	1.4	
	F	1704	1525	166	11.6	19.7	1.4	128.7	2.3	2.1	1.3	1.5	1.2	0.7	
Ill-defined causes	M	7562	467	2027	48.1	4.5	21.4	13.0	0.5	0.3	1.1	3.1	5.4	8.2	
	F	19276	170	519	45.5	1.9	4.6	9.3	0.1	0.1	0.7	0.9	0.6	1.7	
Other medical causes	M	11711	2376	7437	53.3	20.7	77.4	24.1	7.8	7.1	11.0	21.0	29.0	45.1	
	F	7863	1238	4103	25.8	11.4	35.6	19.5	6.0	5.0	7.3	10.5	13.1	18.4	
ALL NON- MEDICAL CAUSES	M	58079	14677	38822	255.7	121.4	389.5	47.0	23.9	27.6	93.3	186.0	215.9	256.4	
	F	15496	3246	8790	53.9	28.8	74.7	36.4	12.1	11.5	26.7	32.2	34.5	48.5	
Motor vehicle traffic accidents	M	4240	1880	2083	18.0	15.2	20.4	2.8	4.3	3.5	16.6	31.9	25.1	22.4	
	F	1321	467	611	4.7	4.0	5.2	2.5	3.4	1.9	6.4	6.0	3.7	4.0	
Fire	M	1353	228	973	6.1	2.0	10.2	2.2	0.8	0.7	0.4	1.5	3.3	5.0	
	F	489	69	215	1.6	0.7	1.8	2.7	0.4	0.3	-	0.4	0.6	0.7	
Suicide	M	11910	2932	7784	51.9	23.7	79.6	-	0.4	4.7	19.6	39.7	46.9	54.6	
	F	2648	468	1452	8.6	3.8	12.4	-	0.1	1.1	5.0	5.8	6.5	8.3	
Homicide	M	4545	1470	2834	19.4	12.0	26.9	2.0	0.6	1.0	9.3	21.1	23.5	26.3	
	F	1913	480	1037	6.6	4.1	8.6	2.6	1.1	1.1	4.3	5.5	5.8	8.3	
POPULATION: (1000s; UN, 2002 revision)			M=male												
			F=female												
				23066	11708	9945	1123	1497	1908	1916	1819	1827	1619		
				26622	11373	11907	1063	1425	1837	1857	1788	1767	1636		

2000: UKRAINE

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
710.5	1058.5	1487.9	2117.6	2614.5	3886.3	5165.9	7394.5	10386.7	18485.6	M	ALL CAUSES	001-999/A00-Y89
190.3	280.4	429.2	682.2	931.0	1506.9	2380.8	3902.2	6859.1	16274.8	F		
70.0	92.8	97.3	88.4	68.0	51.3	38.5	30.3	25.6	48.5	M	Tuberculosis	010-018/A15-A19
7.0	6.9	9.1	6.3	6.1	4.3	4.8	5.1	6.2	5.0	F		
...	...	...	...	...	...	...	...	...	...	M	HIV	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
3.5	4.1	4.4	7.1	8.0	7.2	8.0	6.9	8.6	4.7	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.9	1.1	1.5	2.1	2.5	3.1	3.7	3.0	3.4	2.3	F		
42.5	87.8	192.3	375.5	555.7	835.2	1033.6	1257.3	1280.8	921.2	M	ALL CANCER	140-208/C00-C97
48.2	81.3	130.0	207.1	252.9	350.9	436.0	521.6	574.7	387.0	F		
1.9	7.1	20.9	38.5	45.6	50.8	46.1	40.8	34.2	33.0	M	Mouth and pharynx cancer	140-149/C00-C14
0.4	0.9	1.1	1.6	2.3	3.0	4.5	5.4	6.3	8.7	F		
0.5	2.1	7.9	14.7	21.0	26.6	29.3	29.3	22.8	22.5	M	Oesophagus cancer	150/C15
0.2	0.2	0.4	0.7	0.8	1.6	2.7	4.1	4.9	5.8	F		
5.4	12.1	27.5	50.7	72.2	113.2	140.2	184.3	196.9	121.5	M	Stomach cancer	151/C16
4.3	6.4	11.6	19.4	25.0	38.0	56.4	71.0	84.5	46.7	F		
3.7	6.5	11.4	25.4	42.6	79.1	116.1	168.8	194.4	165.0	M	Colorectal cancer	153, 154/C18-C21
2.9	6.2	10.7	20.3	29.3	45.9	64.8	85.8	104.6	73.5	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pancreas cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
0.9	3.3	10.8	23.0	30.5	32.9	35.4	35.4	28.1	14.8	M	Larynx cancer	161/C32
0.1	0.1	0.2	0.4	0.4	0.4	0.5	0.8	1.2	0.5	F		
6.5	19.1	48.4	102.2	178.1	275.0	335.1	376.3	328.3	168.5	M	Lung cancer	162/C33, C34
1.9	3.4	7.1	12.2	15.1	22.4	32.4	44.7	49.1	27.9	F		
...	...	...	...	...	...	...	...	...	...	M	Malignant melanoma	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
11.2	23.2	40.1	58.0	61.4	74.3	69.5	78.3	79.4	54.2	F	Female breast cancer	174/C50
8.1	10.5	12.1	15.7	12.5	15.7	18.0	23.4	27.8	19.6	F	Cervix cancer	180/C53
1.2	2.5	4.3	8.9	15.4	22.7	27.5	31.0	30.8	17.5	F	Other uterine cancer	179, 182/C54, C55
...	...	...	...	...	...	...	...	...	...	F	Ovarian cancer	Not given separately
0.2	0.4	1.8	5.0	10.8	30.9	51.5	86.7	127.2	113.7	M	Prostate cancer	185/C61
...	...	...	...	...	...	...	...	...	...	M	Bladder cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
17.0	28.7	51.7	96.2	131.4	192.0	236.3	291.5	303.3	249.2	M	Other and ill-defined cancer sites	Rest of 140-199/rest of C00-C80, C97
13.3	22.5	36.5	60.2	77.9	108.7	133.1	152.2	163.7	121.5	F	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F		
3.4	4.7	6.8	10.5	9.9	15.0	17.3	16.0	17.2	11.6	M	Myeloma and all lymphomas	200-203 incl 201/C81-C90, C96
2.0	2.4	2.5	4.4	4.9	7.1	10.2	9.8	7.9	4.6	F		
2.9	3.8	5.1	9.4	13.7	19.7	26.2	28.3	28.3	21.4	M	Leukaemia	204-208/C91-C95
2.6	2.8	3.4	5.3	7.9	10.9	16.3	15.1	14.6	6.6	F		
3.7	5.2	6.0	8.9	12.1	17.4	20.9	24.0	25.0	16.3	M	Diabetes	250/E10-E14
2.3	3.7	5.0	8.3	11.9	19.6	24.3	27.9	21.5	9.7	F		
130.6	264.0	459.1	790.6	1117.9	2068.6	3110.5	4960.5	7559.4	13687.1	M	ALL VASCULAR DISEASE	390-459/I00-I99
30.9	60.2	121.2	252.5	446.8	900.3	1655.4	3000.3	5669.2	13167.8	F		
3.9	7.8	10.2	16.6	17.7	17.1	14.7	9.3	6.4	3.9	M	Rheumatic heart disease and fever	390-398/I00-I09
2.4	4.0	8.2	14.4	19.4	21.2	17.0	14.0	8.1	3.2	F		
1.6	2.1	2.9	6.2	7.1	7.2	7.8	7.2	10.0	9.3	M	Hypertensive disease	401-405/I10-I15
0.2	0.8	1.3	2.2	3.4	4.3	5.4	5.8	8.7	7.5	F		
65.5	147.2	260.8	466.5	703.2	1422.6	2163.4	3413.4	5328.9	9002.7	M	Ischaemic heart disease	410-414/I20-I25
11.2	22.2	46.7	110.0	242.0	559.2	1080.7	1962.6	3778.6	8233.9	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
20.4	46.6	90.6	185.6	268.6	470.4	731.3	1197.3	1666.7	3092.0	M	Cerebrovascular disease	430-438/I60-I69
7.0	20.0	42.9	94.9	145.9	268.7	475.1	840.2	1455.4	3286.7	F		
39.2	60.3	94.5	115.7	121.2	151.4	193.3	333.4	547.5	1579.2	M	Other vascular disease, incl. venous	Rest of 390-459/rest of I00-I99
10.1	13.2	22.1	31.0	36.1	47.0	77.2	177.8	418.5	1636.4	F		
10.8	20.0	37.0	64.4	129.3	231.5	391.6	547.7	831.4	1135.1	M	Chronic obstructive pulmonary disease	470-478, 490-519/J30-J98
2.9	4.6	7.6	11.4	19.6	35.2	66.4	115.5	218.9	448.7	F		
25.4	36.9	52.5	57.3	51.0	45.1	32.3	28.3	27.5	76.5	M	Other respiratory disease	460-466, 480-487/J00-J22
5.0	6.8	8.5	8.9	8.9	7.4	7.7	8.5	9.8	17.8	F		
5.0	7.8	9.7	12.1	14.1	19.0	18.2	21.9	28.1	24.5	M	Peptic ulcer	531-533/K25-K27
0.9	0.8	1.6	2.1	2.3	3.9	6.4	5.6	7.8	9.1	F		
35.6	57.4	74.7	99.4	103.5	101.5	85.7	76.7	61.1	46.2	M	Liver cirrhosis & some other digestive	570-3, 575.2-579.9/K70-K77, K82-K92
11.8	16.1	24.2	35.5	39.5	36.8	31.0	27.7	26.1	20.8	F		
6.6	8.6	10.4	16.6	16.2	17.9	19.1	27.6	30.8	26.8	M	Renal disease	580-590/N00-N19
3.7	4.6	5.9	9.0	10.1	15.1	14.1	13.7	12.2	9.8	F		
0.8	0.5	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
1.7	2.8	1.9	2.6	1.6	0.9	0.2	0.3	0.8	0.4	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.3	1.3	2.0	2.1	1.3	1.0	0.8	0.5	0.3	0.2	F		
10.5	16.2	21.1	26.6	28.8	24.8	22.1	43.4	154.4	1617.6	M	Ill-defined causes	780-799/R00-R99
1.6	2.0	3.4	6.1	6.3	6.1	6.6	25.9	137.5	1952.9	F		
52.0	61.9	81.2	89.5	83.5	86.5	87.0	108.7	145.3	198.4	M	Other medical causes	Rest of 001-799/rest of A00-R99
20.8	24.9	29.8	40.0	40.9	42.9	50.3	64.5	79.0	90.8	F		
312.6	393.0	440.4	478.6	424.7	379.4	298.1	260.9	207.8	682.5	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
51.3	65.8	79.4	90.9	81.9	80.4	73.2	82.4	92.6	152.7	F		
22.3	22.1	23.3	22.4	20.3	17.4	15.2	16.9	13.9	36.1	M	Motor vehicle traffic accidents	E810-E819/part of V01-V99
4.2	5.1	5.1	5.1	5.4	5.5	5.8	5.7	8.1	9.1	F		
6.6	9.1	9.0	11.6	12.3	11.4	11.2	8.9	8.9	19.0	M	Fire	E890-E899/X00-X09
0.8	1.8	1.8	2.0	2.4	2.1	2.0	4.2	6.2	9.4	F		
61.3	74.3	85.0	93.2	86.2	77.4	79.7	84.5	58.6	120.7	M	Suicide	E950-E959/X60-X84
8.0	10.7	11.4	13.0	13.5	14.7	15.9	18.4	20.0	29.8	F		
33.1	34.7	32.9	29.8	23.6	20.6	13.9	13.8	12.2	33.8	M	Homicide	E960-E969/X85-X99, Y00-Y09
8.0	9.9	10.2	8.6	7.7	8.3	7.7	9.1	10.9	17.8	F		
1849	1825	1662	1261	1096	1410	842	795	360	258	M	POPULATION	
1934	1972	1867	1503	1419	1933	1280	1511	967	864	F	(1000s; UN, 2002 revision)	

UKRAINE: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	32494	1519	81	37	1401	255	1106	2635	490	8428	18061
35-69	Sm.	83763	23022	13477	4582	4963	11772	1629	38024	-	9316	-
	Total	233338 (36%)	43218 (53%)	14212 (95%)	6197 (74%)	22809 (22%)	14164 (83%)	3590 (45%)	100363 (38%)	7305	21217 (44%)	43481
70+	Sm.	21495	4566	3127	554	885	7277	38	8493	-	1121	-
	Total	130220 (17%)	13229 (35%)	3534 (88%)	1040 (53%)	8655 (10%)	10983 (66%)	373 (10%)	87102 (10%)	806	13861 (8%)	3866
Any age	Sm.	105258	27588	16604	5136	5848	19049	1667	46517	-	10437	-
	Total	396052 (27%)	57966 (48%)	17827 (93%)	7274 (71%)	32865 (18%)	25402 (75%)	5069 (33%)	190100 (24%)	8601	43506 (24%)	65408
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	27616	1280	67	42	1171	235	910	2181	555	7778	14677
35-69	Sm.	67134	18180	10530	3833	3817	8045	1660	31031	-	8218	-
	Total	210854 (32%)	36893 (49%)	11213 (94%)	5465 (70%)	20215 (19%)	9971 (81%)	4205 (39%)	92452 (34%)	7489	21022 (39%)	38822
70+	Sm.	24193	5940	4083	713	1144	6809	56	10618	-	770	-
	Total	143790 (17%)	16978 (35%)	4607 (89%)	1325 (54%)	11046 (10%)	10271 (66%)	521 (11%)	101903 (10%)	949	8588 (9%)	4580
Any age	Sm.	91327	24120	14613	4546	4961	14854	1716	41649	-	8988	-
	Total	382260 (24%)	55151 (44%)	15887 (92%)	6832 (67%)	32432 (15%)	20477 (73%)	5636 (30%)	196536 (21%)	8993	37388 (24%)	58079

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		23932	12674	10122	1914	1774	1382	1242	1666	1060	1085	551	263	321
2000		23066	11708	9945	1849	1825	1662	1261	1096	1410	842	795	360	258
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		396052	32494	233338	14674	20025	22714	26356	48891	41922	58756	41652	27435	61133
2000		382260	27616	210854	13139	19313	24723	26712	28663	54797	43507	58779	37392	47619
Lung cancer														
1995		17827	81	14212	156	437	780	1619	3811	3283	4126	2042	901	591
2000		15887	67	11213	121	348	804	1289	1952	3877	2822	2991	1182	434
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
1995		1935.2*	262.4*	2567.0*	766.8	1128.6	1643.9	2121.4	2935.3	3956.0	5416.8	7555.2	10423.6	19044.5
2000		1855.3*	242.3*	2434.5*	710.5	1058.5	1487.9	2117.6	2614.5	3886.3	5165.9	7394.5	10386.7	18485.6
All cancer														
1995		269.8*	12.0*	490.9*	48.5	107.9	219.3	396.6	643.7	880.9	1139.6	1261.9	1277.0	906.9
2000		252.4*	10.8*	446.1*	42.5	87.8	192.3	375.5	555.7	835.2	1033.6	1257.3	1280.8	921.2
Lung cancer														
1995		81.8*	0.6*	162.6*	8.2	24.6	56.5	130.3	228.8	309.8	380.4	370.4	342.3	184.1
2000		71.7*	0.6*	137.8*	6.5	19.1	48.4	102.2	178.1	275.0	335.1	376.3	328.3	168.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		33.3*	0.3*	68.7*	4.8	21.0	45.2	77.3	97.9	116.9	118.0	105.8	87.0	71.0
2000		31.4*	0.4*	64.3*	3.4	12.6	39.7	76.3	97.1	110.3	110.8	105.4	85.0	70.3
Other cancer														
1995		154.8*	11.0*	259.6*	35.6	62.3	117.6	189.0	317.1	454.2	641.2	785.8	847.6	651.7
2000		149.3*	9.9*	244.0*	32.6	56.2	104.2	197.1	280.6	449.9	587.7	775.6	867.5	682.5
Chronic obstructive pulmonary disease (COPD)														
1995		128.7*	2.0*	166.8*	12.9	25.0	48.6	92.3	175.4	339.7	473.4	717.9	954.0	1406.2
2000		101.0*	2.0*	126.4*	10.8	20.0	37.0	64.4	129.3	231.5	391.6	547.7	831.4	1135.1
Other respiratory disease														
1995		23.0*	9.5*	35.8*	21.4	33.6	44.2	45.3	45.9	33.7	26.7	24.5	28.9	50.5
2000		26.1*	8.7*	42.9*	25.4	36.9	52.5	57.3	51.0	45.1	32.3	28.3	27.5	76.5
Vascular disease														
1995		977.2*	20.6*	1153.7*	153.0	289.4	521.8	759.4	1247.7	1996.1	3108.6	4872.8	7186.9	12872.9
2000		993.0*	18.6*	1134.5*	130.6	264.0	459.1	790.6	1117.9	2068.6	3110.5	4960.5	7559.4	13687.1
Liver cirrhosis and some other digestive														
1995		38.4*	3.8*	76.4*	26.4	52.8	76.7	86.5	99.7	96.3	96.6	84.7	68.8	49.2
2000		40.2*	4.7*	79.7*	35.6	57.4	74.7	99.4	103.5	101.5	85.7	76.7	61.1	46.2
Other medical causes														
1995		216.5*	72.2*	216.7*	133.3	180.3	220.5	236.1	249.7	241.4	255.4	341.4	667.9	3184.1
2000		186.9*	76.1*	215.4*	153.0	199.3	232.0	251.9	232.4	225.0	214.0	263.1	418.6	1937.1
All non-medical causes														
1995		281.6*	142.4*	426.6*	371.3	439.6	512.8	505.2	473.2	367.9	316.5	251.9	240.1	574.8
2000		255.7*	121.4*	389.5*	312.6	393.0	440.4	478.6	424.7	379.4	298.1	260.9	207.8	682.5

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: UKRAINE

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	12434	1475	41	22	1412	147	640	829	155	5302	3886
35-69	Sm.	5625	989	774	62	153	1092	43	2984	-	517	-
	Total	117547 (5%)	26792 (4%)	1843 (42%)	397 (16%)	24552 (1%)	3733 (29%)	800 (5%)	62423 (5%)	3329	10339 (5%)	10131
70+	Sm.	7303	742	590	64	88	2712	8	3336	-	505	-
	Total	266582 (3%)	15515 (5%)	1388 (43%)	420 (15%)	13707 (1%)	9980 (27%)	350 (2%)	197049 (2%)	916	39500 (1%)	3272
Any age	Sm.	12928	1731	1364	126	241	3804	51	6320	-	1022	-
	Total	396563 (3%)	43782 (4%)	3272 (42%)	839 (15%)	39671 (1%)	13860 (27%)	1790 (3%)	260301 (2%)	4400	55141 (2%)	17289
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	9678	1166	38	15	1113	108	405	677	192	3884	3246
35-69	Sm.	3278	639	501	41	97	506	33	1799	-	301	-
	Total	100292 (3%)	24025 (3%)	1483 (34%)	350 (12%)	22192 (0%)	2268 (22%)	891 (4%)	52779 (3%)	3200	8339 (4%)	8790
70+	Sm.	4836	574	464	45	65	1560	5	2485	-	212	-
	Total	265852 (2%)	16781 (3%)	1392 (33%)	404 (11%)	14985 (0%)	7737 (20%)	377 (1%)	213884 (1%)	851	22762 (1%)	3460
Any age	Sm.	8114	1213	965	86	162	2066	38	4284	-	513	-
	Total	375822 (2%)	41972 (3%)	2913 (33%)	769 (11%)	38290 (0%)	10113 (20%)	1673 (2%)	267340 (2%)	4243	34985 (1%)	15496

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

			All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)															
1995			27599	12382	12216	2007	1912	1554	1489	2066	1418	1770	1264	701	1037
2000			26622	11373	11907	1934	1972	1867	1503	1419	1933	1280	1511	967	864
NUMBER OF DEATHS (Source: WHO)															
All causes															
1995			396563	12434	117547	4245	6081	8033	10243	22173	22528	44244	54410	49546	162626
2000			375822	9678	100292	3680	5529	8011	10252	13213	29133	30474	58955	66348	140549
Lung cancer															
1995			3272	41	1843	36	71	135	184	380	361	676	674	388	326
2000			2913	38	1483	36	68	133	183	214	434	415	676	475	241
ANNUAL DEATH RATE / 100,000															
All causes															
1995			1004.3*	106.1*	985.2*	211.5	318.1	516.8	688.1	1073.1	1589.2	2499.7	4303.9	7071.9	15682.4
2000			965.0*	93.4*	914.4*	190.3	280.4	429.2	682.2	931.0	1506.9	2380.8	3902.2	6859.1	16274.8
All cancer															
1995			129.2*	11.7*	224.6*	52.4	85.1	149.2	195.8	281.6	352.0	456.0	568.5	580.8	410.7
2000			122.7*	10.2*	215.2*	48.2	81.3	130.0	207.1	252.9	350.9	436.0	521.6	574.7	387.0
Lung cancer															
1995			9.3*	0.3*	15.5*	1.8	3.7	8.7	12.4	18.4	25.5	38.2	53.3	55.4	31.4
2000			8.1*	0.3*	13.5*	1.9	3.4	7.1	12.2	15.1	22.4	32.4	44.7	49.1	27.9
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)															
1995			2.3*	0.2*	3.4*	0.5	1.2	2.1	2.8	3.7	5.8	7.3	12.1	14.6	15.9
2000			2.1*	0.1*	3.2*	0.6	1.2	1.7	2.7	3.5	5.0	7.6	10.3	12.4	14.9
Other cancer															
1995			117.6*	11.2*	205.7*	50.1	80.2	138.4	180.6	259.5	320.8	410.5	503.1	510.8	363.4
2000			112.5*	9.7*	198.5*	45.7	76.6	121.2	192.2	234.3	323.4	396.0	466.6	513.2	344.1
Chronic obstructive pulmonary disease (COPD)															
1995			33.9*	1.2*	31.5*	2.9	6.1	10.6	17.1	32.3	61.3	90.5	181.8	290.9	544.3
2000			24.7*	0.9*	21.1*	2.9	4.6	7.6	11.4	19.6	35.2	66.4	115.5	218.9	448.7
Other respiratory disease															
1995			6.8*	5.9*	6.6*	5.3	6.6	9.2	6.2	7.4	5.3	6.0	8.9	11.3	15.2
2000			6.3*	4.3*	7.6*	5.0	6.8	8.5	8.9	8.9	7.4	7.7	8.5	9.8	17.8
Vascular disease															
1995			619.9*	6.7*	525.3*	38.4	75.4	151.6	259.0	511.8	940.8	1699.8	3221.6	5535.5	11334.6
2000			640.3*	5.9*	495.3*	30.9	60.2	121.2	252.5	446.8	900.3	1655.4	3000.3	5669.2	13167.8
Liver cirrhosis and some other digestive															
1995			14.3*	1.2*	27.8*	7.4	17.6	26.1	34.5	40.6	34.6	33.7	33.9	33.1	24.6
2000			14.2*	1.6*	27.8*	11.8	16.1	24.2	35.5	39.5	36.8	31.0	27.7	26.1	20.8
Other medical causes															
1995			141.0*	47.7*	86.0*	43.9	51.6	78.4	79.1	101.3	115.1	132.8	204.2	516.3	3211.3
2000			102.9*	41.6*	72.6*	40.2	45.8	58.3	75.9	81.3	95.9	111.0	146.2	267.9	2079.9
All non-medical causes															
1995			59.3*	31.7*	83.5*	61.2	75.6	91.8	96.5	98.2	80.1	80.7	85.0	104.1	141.7
2000			53.9*	28.8*	74.7*	51.3	65.8	79.4	90.9	81.9	80.4	73.2	82.4	92.6	152.7

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

UKRAINE: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 28	– / 9.7	–
35–69	67 / 211	3.3 / 100	19 years
70+	24 / 144	4.8 / 266	8 years
All ages	91 / 382	8.1 / 376	16 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

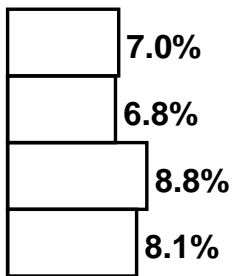
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.1	11/11	4.1/4.6	15/16	–/0.0	0.5/1.5	0.5/1.4	1.0/2.9
All Cancer	–/1.3	18/37 (49%)	5.9/17 (35%)	24/55	–/1.2	0.6/24 (3%)	0.6/17 (3%)	1.2/42
Vascular	–/2.2	31/92	11/102	42/197	–/0.7	1.8/53	2.5/214	4.3/267
Respiratory	–/1.1	9.7/14	6.9/11	17/26	–/0.5	0.5/3.2	1.6/8.1	2.1/12
All Other	–/23	8.2/67	0.8/14	9.0/104	–/7.3	0.3/20	0.2/27	0.5/55
All Causes	–/28	67/211 (32%)	24/144 (17%)	91/382	–/9.7	3.3/100 (3%)	4.8/266 (2%)	8.1/376

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	24 / 55 (44%)	1.2 / 42 (3%)	25 / 97 (26%)
All Causes	91 / 382 (24%)	8.1 / 376 (2%)	99 / 758 (13%)

1985-2000: UKRAINE

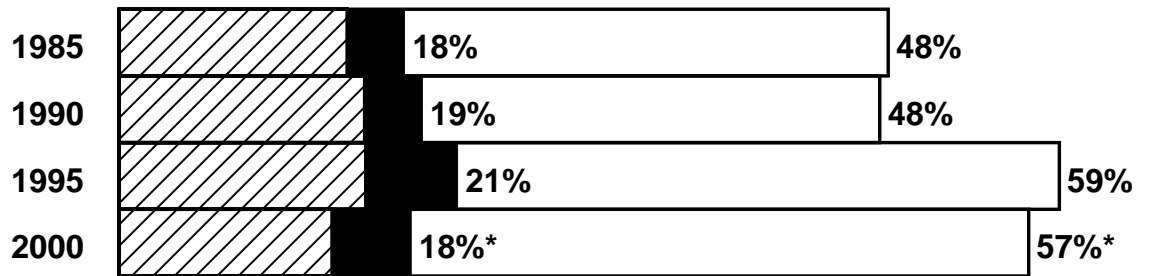
Population risk of dying at ages 0–34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35–69

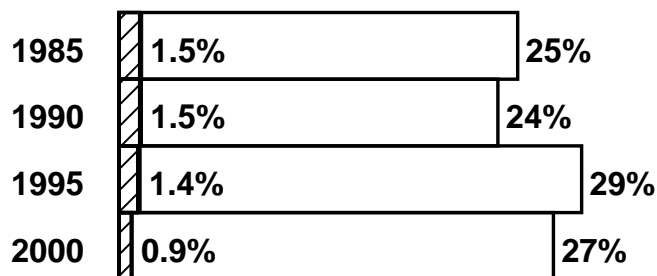
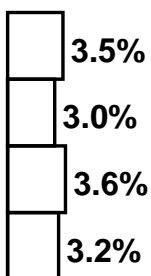
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 57 would die before age 70 (with 18 of these deaths attributed to smoking)

FEMALE



UKRAINE: 1980-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/28	53/138 (39%)	20/121 (17%)	74/287	-/13	5.0/86 (6%)	6.1/230 (3%)	11/330
1990	-/26	64/159 (40%)	20/112 (18%)	84/298	-/11	5.8/93 (6%)	8.7/228 (4%)	14/332
1995	-/32	84/233 (36%)	21/130 (17%)	105/396	-/12	5.6/118 (5%)	7.3/267 (3%)	13/397
2000	-/28	67/211 (32%)	24/144 (17%)	91/382	-/9.7	3.3/100 (3%)	4.8/266 (2%)	8.1/376

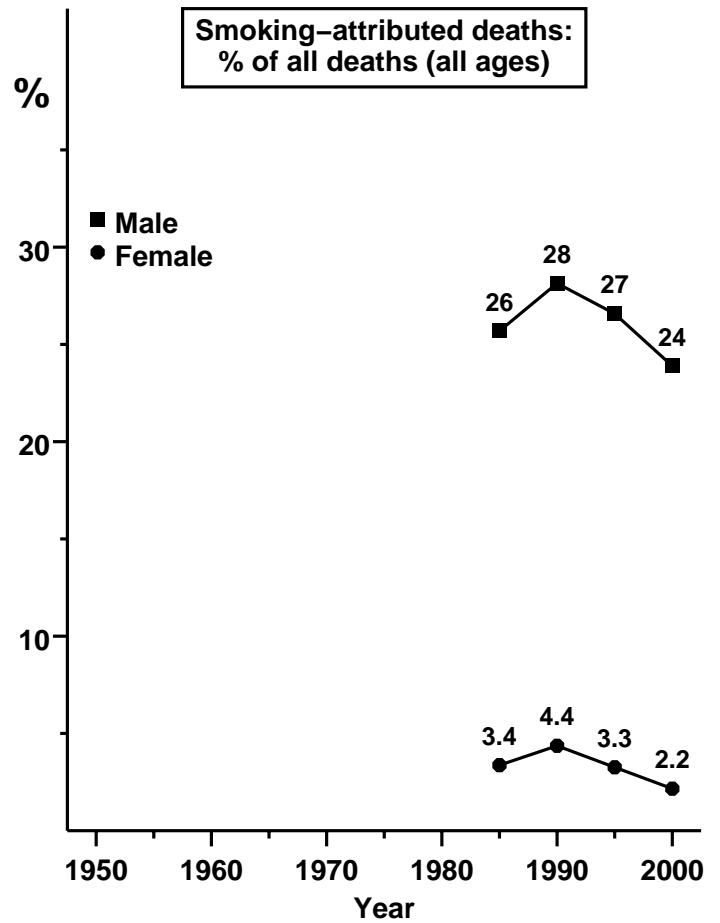
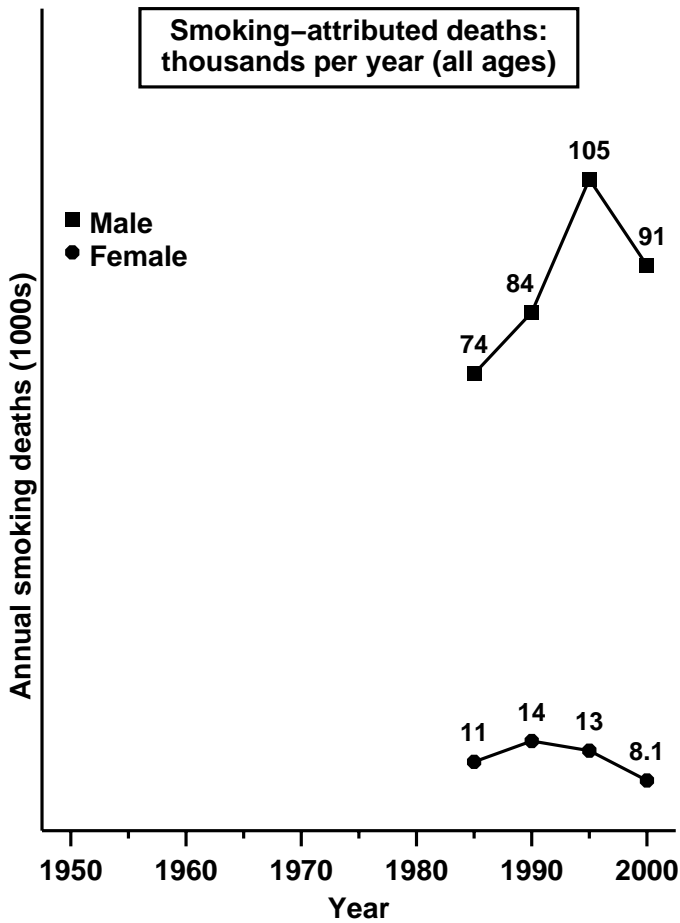
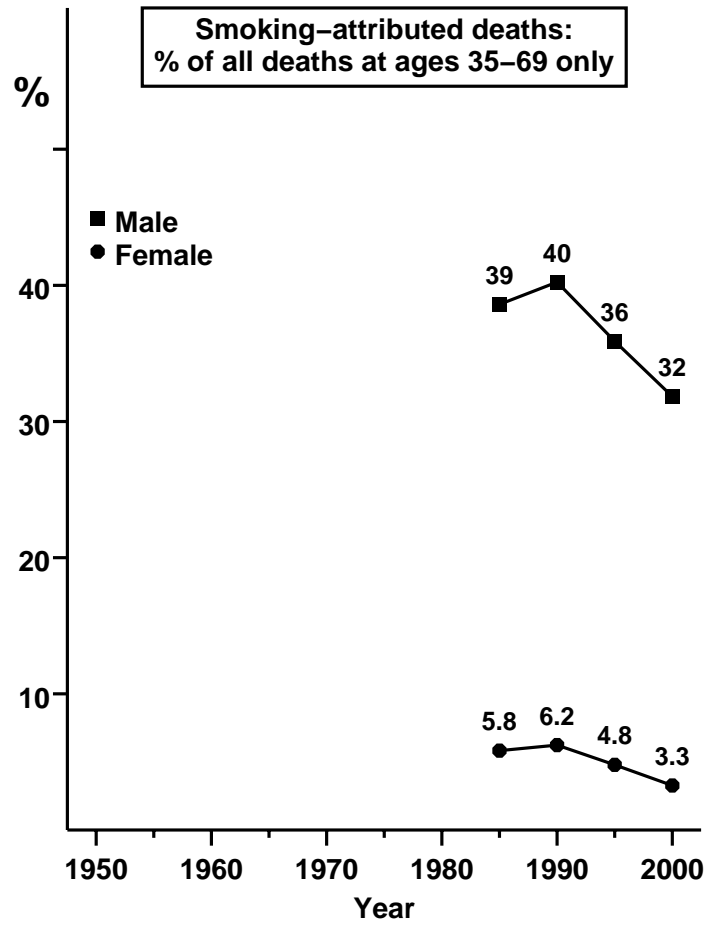
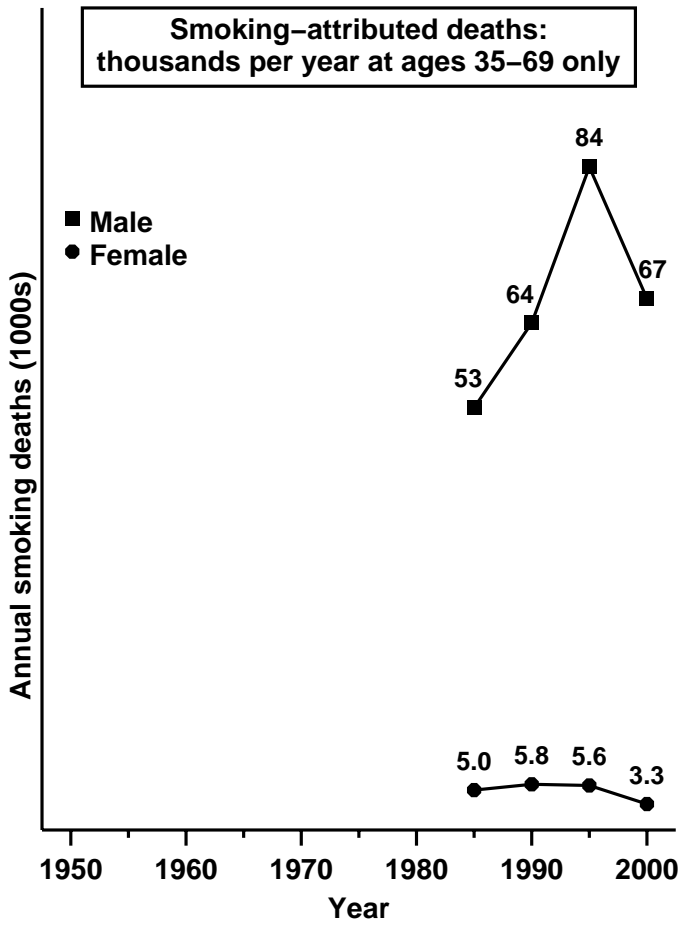
20-year total* (M=millions), mid-1980 to mid-2000: 2.0/ 14M

1980-2000 by age & sex:

-/0.6M	1.4/3.7M	0.4/2.5M	1.8/6.8M	-/0.3M	0.1/2.0M	0.1/5.0M	0.2/7.3M
	(37%)	(17%)			(5%)	(3%)	

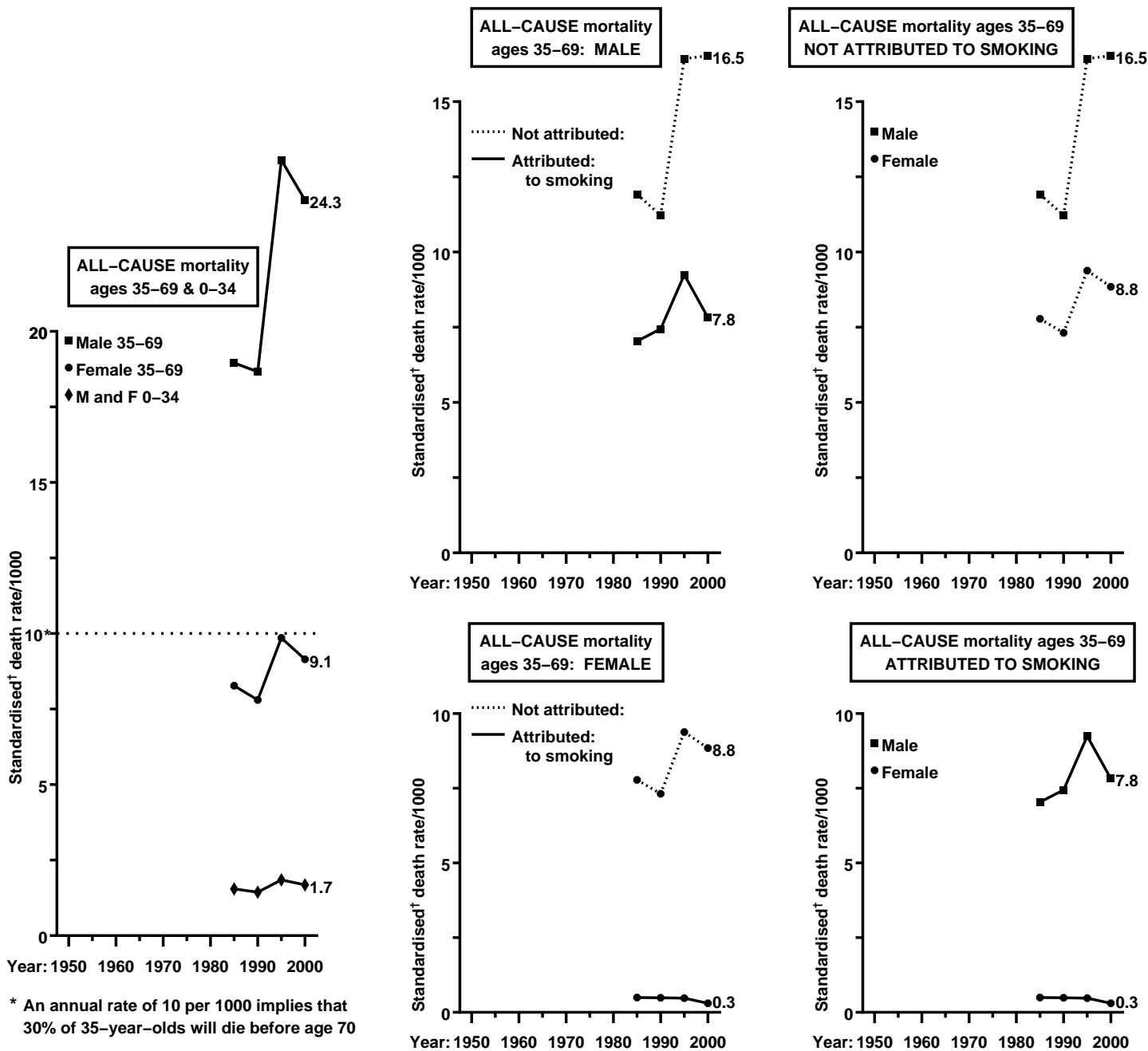
*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1985-2000: UKRAINE



UKRAINE: 1985-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking

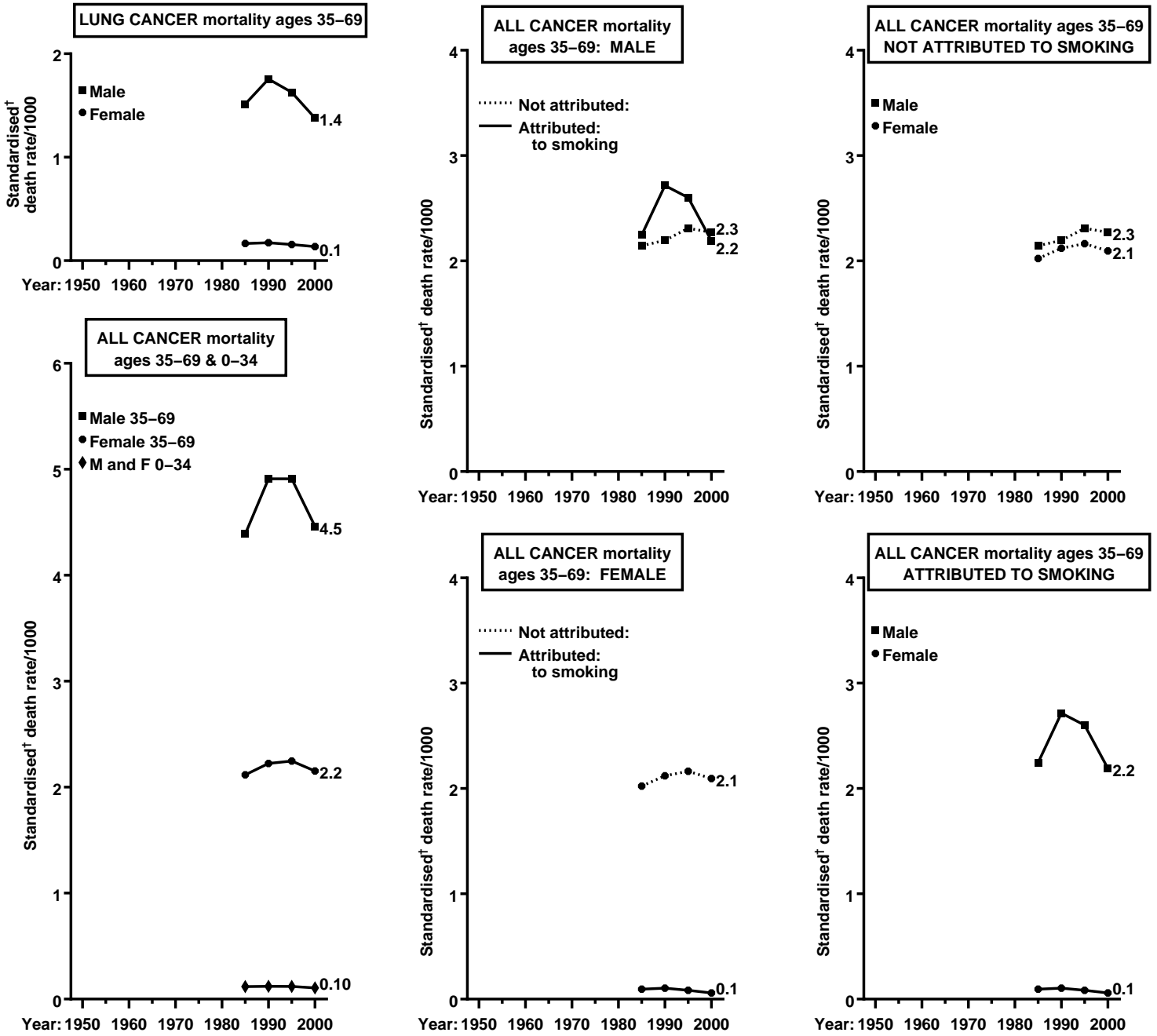


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955		
1960		
1965		
1970		
1975		
1980		
1985	-	2.07	7.03	11.9	15.6	67.5	-	1.01	0.49	7.78	1.66	51.4	-	...		
1990	-	2.01	7.44	11.2	16.5	61.3	-	0.86	0.48	7.31	2.41	46.8	-	...		
1995	-	2.62	9.24	16.4	17.0	72.8	-	1.06	0.47	9.38	1.99	54.9	-	...		
2000	-	2.42	7.82	16.5	16.0	73.0	-	0.93	0.30	8.84	1.20	52.6	-	...		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: UKRAINE

Trends in ALL CANCER mortality attributed and not attributed to smoking

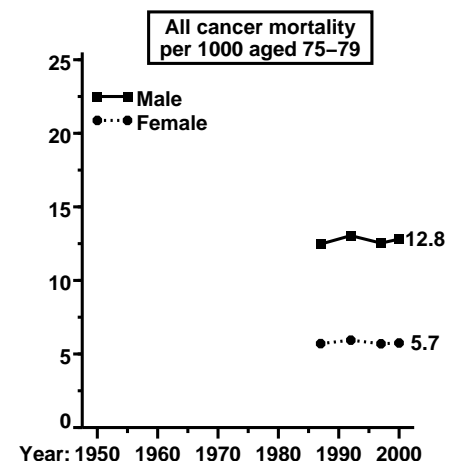
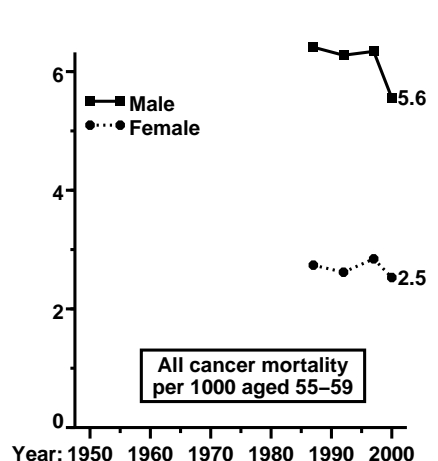
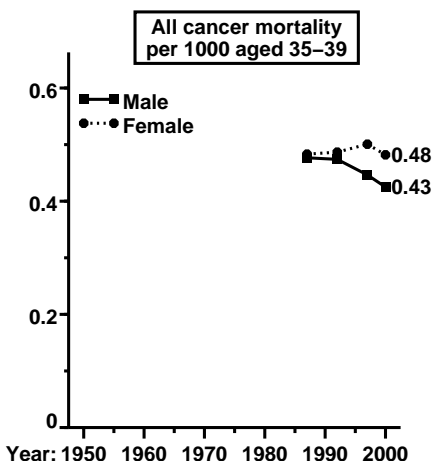
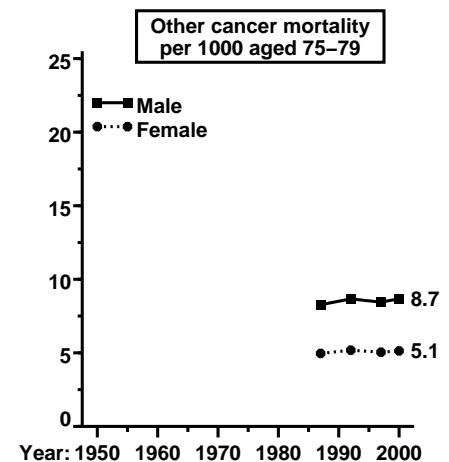
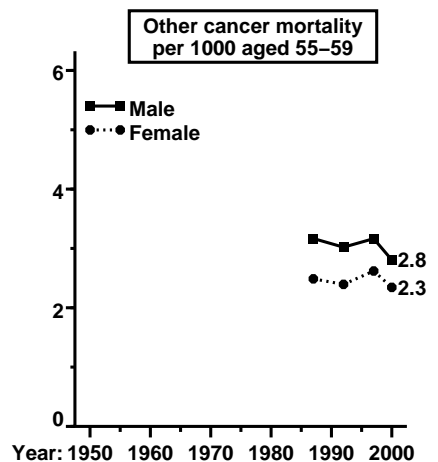
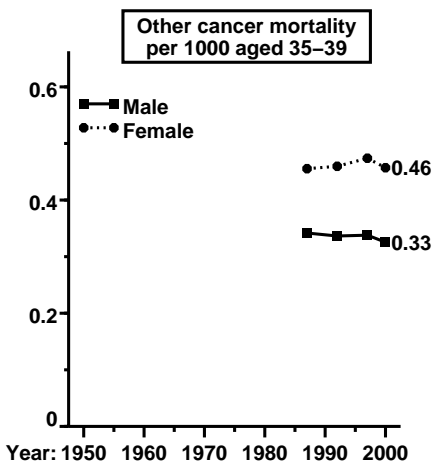
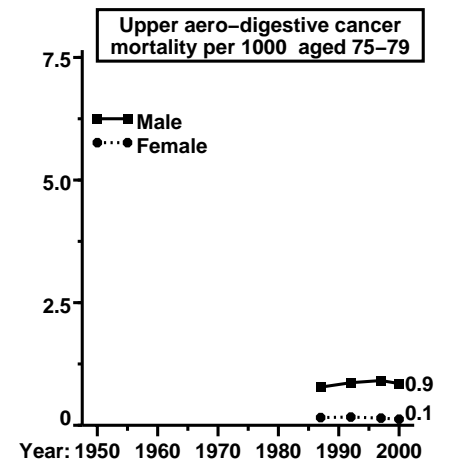
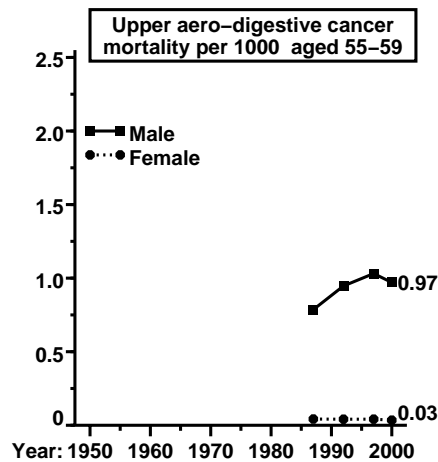
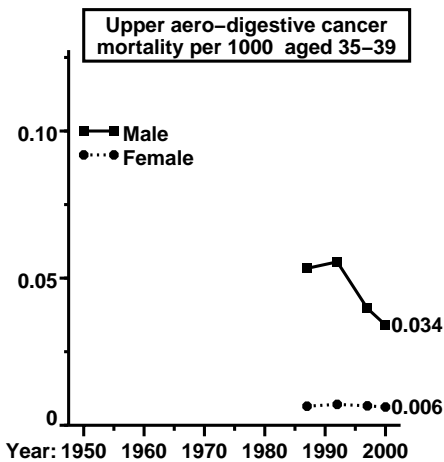
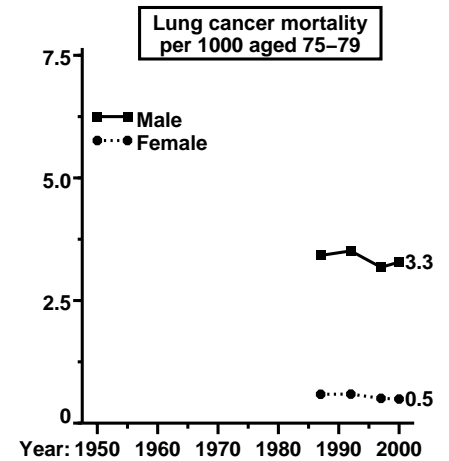
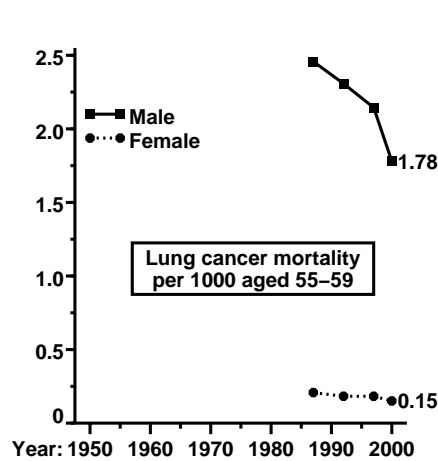
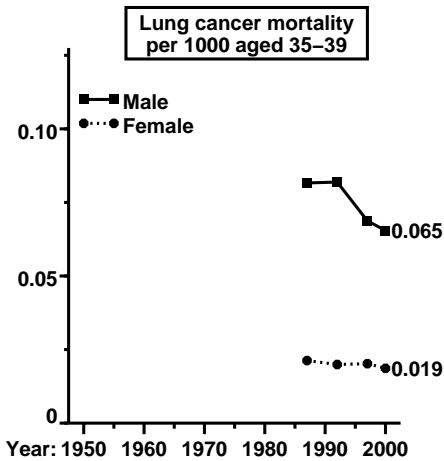


Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950		
1955		
1960		
1965		
1970		
1975		
1980		
1985	-	0.12	2.25	2.14	4.04	7.50	-	0.11	0.09	2.02	0.21	4.92				
1990	-	0.13	2.71	2.19	5.01	8.29	-	0.11	0.10	2.12	0.40	5.61				
1995	-	0.12	2.60	2.31	4.49	8.21	-	0.12	0.08	2.16	0.29	5.46				
2000	-	0.11	2.19	2.27	4.43	8.26	-	0.10	0.06	2.09	0.19	5.29				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

UKRAINE: 1985-2000

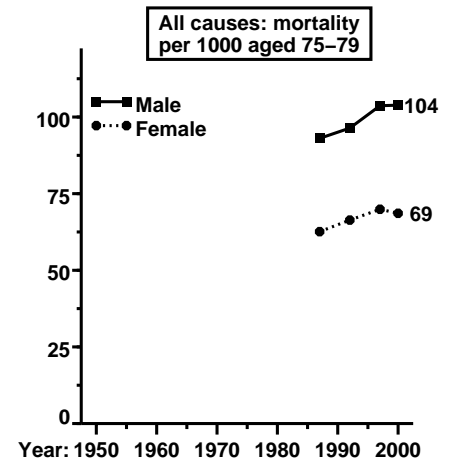
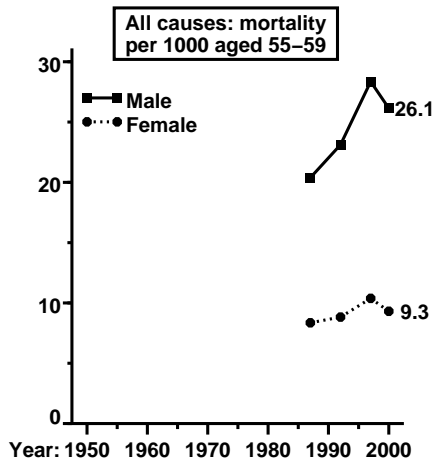
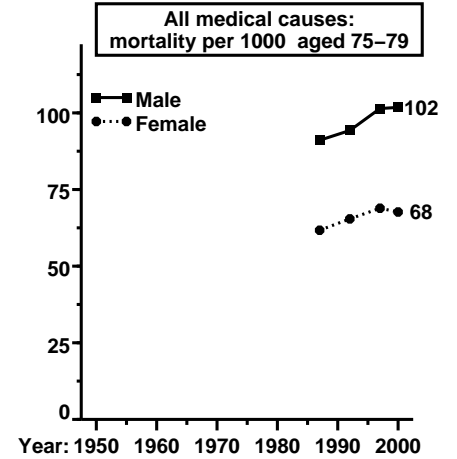
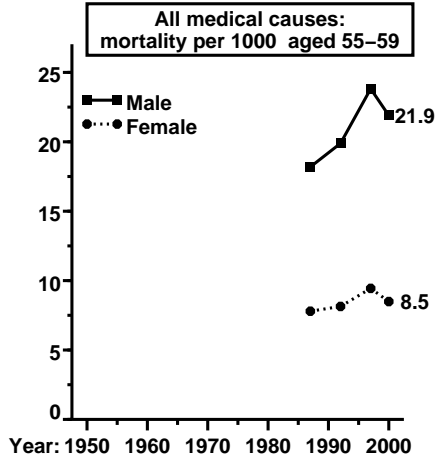
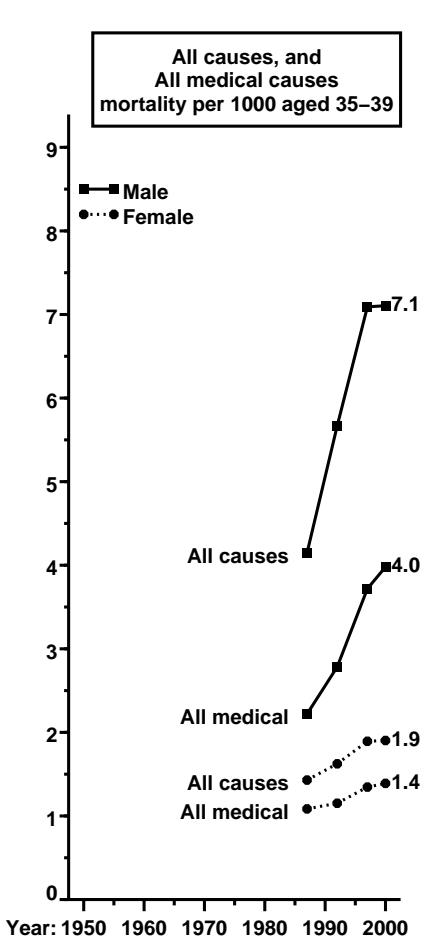
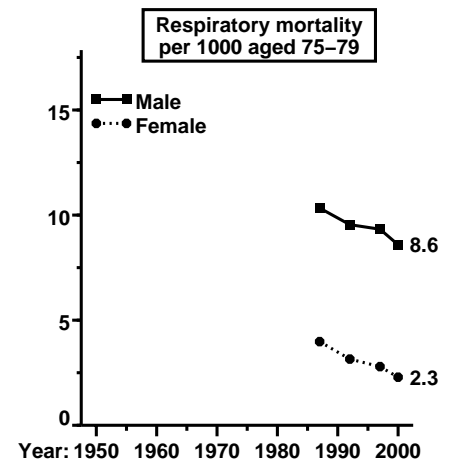
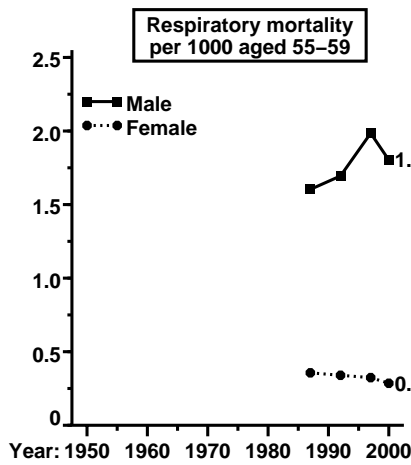
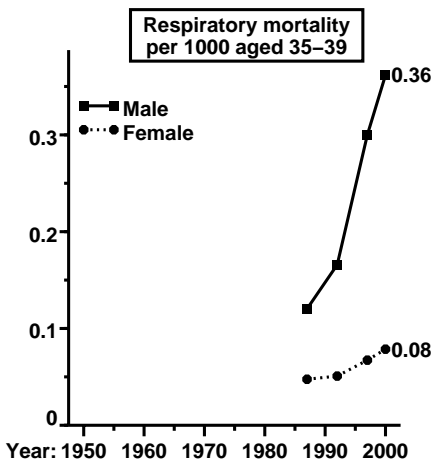
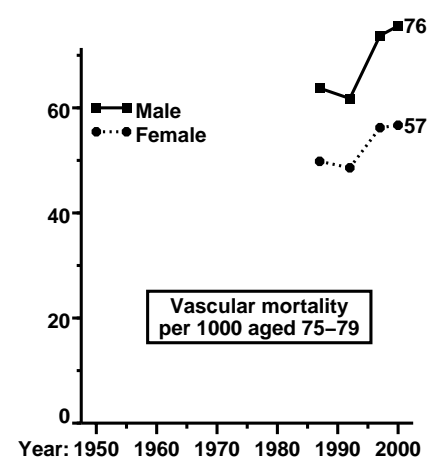
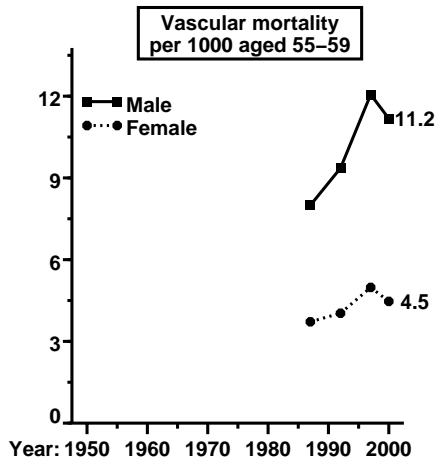
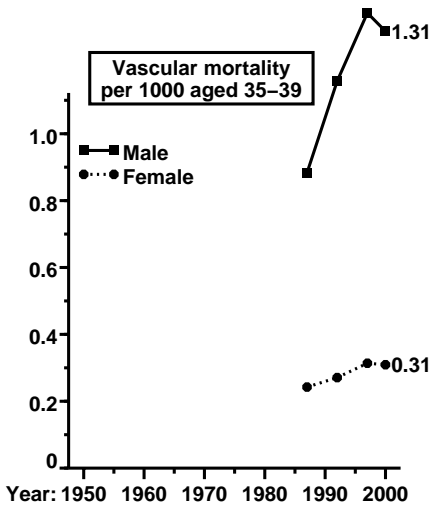
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; then year 2000 separately

1985-2000: UKRAINE

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1985-89, ..., 1995-99; then year 2000 separately

UNITED KINGDOM: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	290186	10009	83480	836.8	74.4	804.6	137.7	13.1	16.4	56.7	85.0	102.0	109.7
	F	318180	5273	54196	576.8	39.7	495.3	112.7	9.6	10.7	25.3	30.2	37.7	51.7
Tuberculosis	M	269	5	92	0.8	0.0	0.9	-	-	0.1	-	-	-	0.2
	F	231	12	65	0.5	0.1	0.6	0.1	0.1	-	-	0.1	0.3	0.1
HIV	M	161	34	124	0.5	0.2	0.9	0.1	-	-	-	0.1	0.5	0.9
	F	45	15	27	0.1	0.1	0.2	-	-	-	-	-	0.2	0.5
Other infective and parasitic	M	1619	208	544	5.0	1.6	4.9	5.3	0.4	0.6	1.1	1.3	0.9	1.5
	F	1994	183	421	4.2	1.4	3.7	4.9	0.7	0.4	1.3	0.9	1.2	0.7
ALL CANCER	M	78011	799	28539	228.6	5.8	281.6	3.1	3.5	2.8	5.1	5.7	7.8	12.4
	F	73175	775	25432	163.4	5.4	230.5	2.1	2.0	2.3	3.2	4.8	7.3	15.8
Mouth and pharynx cancer	M	1183	13	697	3.7	0.1	6.5	0.1	-	-	0.1	0.1	0.1	0.3
	F	731	12	286	1.7	0.1	2.6	-	-	0.1	0.1	0.1	0.2	0.3
Oesophagus cancer	M	4296	7	1904	12.9	0.0	18.4	-	-	-	-	-	-	0.1
	F	2623	2	630	5.2	0.0	5.9	-	-	-	-	-	-	0.1
Stomach cancer	M	4080	11	1327	11.8	0.1	13.3	-	-	-	0.1	0.1	0.2	0.2
	F	2528	13	581	5.0	0.1	5.4	-	-	-	-	0.1	0.1	0.5
Colorectal cancer	M	8539	34	3081	24.9	0.2	30.6	-	-	-	0.1	0.3	0.4	0.9
	F	7726	33	1981	15.5	0.2	18.3	-	-	0.1	0.2	0.4	0.2	0.8
Liver cancer	M	668	12	328	2.0	0.1	3.2	-	0.1	-	0.1	0.1	0.3	0.1
	F	208	7	85	0.5	0.0	0.8	0.1	-	0.1	-	0.1	0.1	0.1
Pancreas cancer	M	3369	9	1436	10.1	0.1	14.0	-	-	-	-	-	0.1	0.4
	F	3528	3	1055	7.5	0.0	9.9	-	-	0.1	-	-	0.1	0.0
Larynx cancer	M	676	2	335	2.1	0.0	3.2	-	-	-	-	-	-	0.1
	F	165	-	62	0.4	-	0.6	-	-	-	-	-	-	-
Lung cancer	M	20684	23	7872	60.7	0.2	79.2	-	-	-	0.1	0.2	0.2	0.7
	F	13085	11	4728	30.1	0.1	44.3	-	-	-	-	-	0.1	0.4
Malignant melanoma	M	862	43	518	2.7	0.3	4.7	-	-	0.1	0.2	0.3	0.5	1.1
	F	820	23	409	2.1	0.2	3.5	0.1	-	-	0.1	0.1	0.4	0.5
Female breast cancer	F	12768	159	5916	31.2	1.0	51.0	-	-	-	-	0.3	1.3	5.5
Cervix cancer	F	1253	58	677	3.3	0.4	5.6	-	-	-	-	0.2	0.8	1.7
Other uterine cancer	F	1494	4	518	3.3	0.0	4.9	-	-	-	-	-	0.1	0.1
Ovarian cancer	F	4422	36	2107	11.1	0.3	19.1	-	0.1	-	0.1	0.4	0.6	0.6
Prostate cancer	M	9279	-	1522	25.2	-	16.3	-	-	-	-	-	-	-
Bladder cancer	M	3195	6	783	9.0	0.0	8.0	-	-	-	-	0.1	0.1	0.2
	F	1746	2	325	3.2	0.0	3.1	-	-	-	-	-	-	0.1
Other and ill-defined cancer sites	M	15401	370	6407	46.1	2.7	61.7	1.5	2.1	1.4	2.4	3.0	3.6	4.9
	F	14721	254	4432	31.6	1.8	40.5	1.1	1.1	1.6	1.4	2.2	2.1	3.3
Hodgkin's disease	M	154	24	98	0.5	0.2	0.9	-	-	0.1	-	0.2	0.5	0.5
	F	124	17	55	0.3	0.1	0.5	-	-	-	-	0.3	0.3	0.3
Myeloma and non-Hodgkin lymphomas	M	3442	73	1471	10.3	0.5	14.2	0.1	0.2	0.3	0.5	0.3	0.8	1.4
	F	3429	42	1088	7.4	0.3	10.1	0.1	0.1	-	0.5	0.3	0.3	0.8
Leukaemia	M	2183	172	760	6.5	1.3	7.3	1.4	1.1	1.1	1.7	1.0	1.2	1.4
	F	1804	99	497	3.9	0.7	4.4	0.8	0.7	0.5	0.8	0.6	0.9	0.9
Diabetes	M	3047	40	889	8.7	0.3	8.7	-	-	-	0.3	0.2	0.7	0.8
	F	3431	35	631	6.3	0.2	5.9	-	0.1	0.1	0.2	0.2	0.5	0.7
ALL VASCULAR DISEASE	M	113784	609	30822	322.3	4.4	303.6	4.6	0.7	0.8	2.2	3.8	7.3	11.2
	F	122939	385	13506	202.5	2.8	128.2	4.5	0.4	0.6	1.7	2.4	4.4	5.5
Rheumatic heart disease and fever	M	468	10	152	1.4	0.1	1.5	0.1	-	-	-	0.1	0.2	0.2
	F	1321	5	296	2.5	0.0	2.9	0.1	-	-	-	0.1	-	0.1
Hypertensive disease	M	1596	7	545	4.6	0.0	5.2	-	0.1	-	-	-	-	0.3
	F	2027	3	263	3.4	0.0	2.5	-	-	-	-	-	-	0.1
Ischaemic heart disease	M	68459	127	21175	196.3	0.9	208.6	0.2	-	-	0.2	0.5	1.6	3.7
	F	55608	32	6863	94.0	0.2	66.2	0.2	-	0.1	-	0.1	0.4	0.8
Pulmonary embolism and other venous	M	2999	27	978	8.6	0.2	9.4	0.1	-	-	0.1	0.1	0.4	0.7
	F	5008	55	957	9.4	0.4	8.8	0.1	-	0.1	0.1	0.6	0.6	1.2
Cerebrovascular disease	M	22599	144	4164	62.0	1.0	41.2	1.0	0.2	0.5	0.3	0.9	1.8	2.6
	F	38196	108	3299	60.0	0.8	30.7	0.5	0.3	0.2	0.7	0.6	1.5	1.7
Other vascular disease	M	17663	294	3808	49.3	2.2	37.6	3.2	0.5	0.4	1.7	2.3	3.3	3.7
	F	20779	182	1828	33.1	1.4	17.2	3.7	0.2	0.3	0.9	1.1	2.0	1.5
Chronic obstructive pulmonary disease	M	15990	82	3247	44.2	0.6	33.5	0.3	0.2	0.6	0.4	0.9	0.7	1.0
	F	13277	61	2547	25.6	0.4	24.6	-	0.3	0.3	0.5	0.6	0.6	0.9
Other respiratory disease	M	28706	284	3606	77.5	2.1	35.5	6.6	0.3	0.2	1.4	1.7	1.7	3.0
	F	41071	200	2260	60.4	1.5	20.9	4.1	0.6	0.8	0.9	1.1	1.0	2.0
Peptic ulcer	M	2058	6	541	5.8	0.0	5.2	-	-	-	-	-	0.1	0.2
	F	2386	9	326	4.1	0.1	3.1	0.1	0.1	0.1	0.1	-	0.2	0.1
Liver cirrhosis	M	3619	102	2922	12.2	0.7	24.8	-	-	0.1	-	0.1	1.1	3.5
	F	2198	76	1573	6.6	0.5	13.0	0.1	-	-	0.1	0.2	1.3	1.9
Renal disease	M	1898	18	319	5.2	0.1	3.2	0.4	-	-	0.1	0.2	0.2	0.1
	F	2190	35	263	3.7	0.3	2.4	0.7	0.2	0.1	0.1	0.1	0.4	0.4
Pregnancy, birth	F	46	32	14	0.1	0.2	0.1	-	-	-	0.1	0.1	0.6	0.7
Congenital and perinatal causes	M	2051	1724	209	8.5	13.5	1.7	86.6	0.8	1.4	1.5	1.4	1.4	1.4
	F	1718	1372	199	7.1	11.2	1.6	71.8	1.0	0.6	1.2	1.2	1.2	1.4
Ill-defined causes	M	3235	332	356	9.2	2.6	3.0	12.2	0.1	0.2	0.7	1.3	2.0	1.5
	F	10992	194	167	14.8	1.6	1.4	8.8	0.1	0.1	0.3	0.6	0.4	0.6
Other medical causes	M	23430	1586	5956	67.5	11.6	54.9	12.1	3.4	3.2	7.8	15.0	18.8	21.1
	F	35265	813	4746	60.9	6.0	42.8	9.9	2.4	3.2	5.0	5.9	6.9	8.8
ALL NON-MEDICAL CAUSES	M	12308	4180	5314	40.8	30.9	42.2	6.3	3.8	6.7	36.0	53.4	58.9	50.9
	F	7222	1076	2019	16.6	7.9	16.1	5.7	1.7	2.3	10.7	12.1	11.4	11.6
Motor vehicle traffic accidents	M	2439	1262	890	8.4	9.4	7.0	1.0	1.7	3.1	16.8	16.9	15.2	11.3
	F	852	278	291	2.5	2.1	2.4	0.8	0.5	1.1	3.8	3.8	2.5	2.1
Fire	M	252	71	103	0.8	0.5	0.8	0.4	0.5	0.4	0.3	0.5	0.5	1.1
	F	182	29	64	0.5	0.2	0.5	0.5	0.2	0.1	0.1	0.2	0.1	0.3
Suicide	M	3311	1163	1811	11.3	8.5	14.0	-	-	0.3	6.5	15.5	19.3	17.9
	F	979	272	545	3.1	1.9	4.2	-	-	0.2	2.3	3.4	3.9	3.8
Homicide	M	351	201	141	1.3	1.5	1.0	0.7	0.5	0.4	1.6	3.3	2.5	1.7
	F	178	82	74	0.6	0.6	0.5	0.8	0.2	0.2	1.0	0.7	0.8	0.7
POPULATION:			M=male		28521	13472	12391	1816	1932	1992	1837	1753	1913	2229
(1000s; UN, 2002 revision)			F=female		30169	13340	12769	1729	1840	1893	1775	1771	1990	2342

2000: UNITED KINGDOM

Annual death rates / 100,000

(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
139.4	193.9	315.4	476.1	812.8	1403.6	2291.1	3875.1	6433.9	13237.9	M	ALL CAUSES	001-999/A00-Y89
78.2	130.1	207.1	320.3	511.7	838.9	1381.1	2348.0	4136.6	11185.0	F		
0.4	0.2	0.4	0.4	1.0	1.5	2.2	3.9	6.3	10.2	M	Tuberculosis	010-018, 137/
0.1	0.2	0.2	0.3	0.3	0.8	2.4	2.2	4.2	4.7	F		A15-A19, B90
1.8	1.5	1.3	0.4	0.4	0.6	0.5	0.3	-	-	M	HIV	279.5, 279.6/B20-B24
0.6	0.2	0.2	-	0.1	0.2	-	0.1	0.2	-	F		
1.8	2.3	3.7	3.7	4.5	7.6	11.1	16.6	28.3	59.1	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.2	1.4	2.1	2.8	3.8	6.1	8.6	12.9	21.9	60.1	F		
19.9	37.3	82.2	156.0	294.8	539.2	841.8	1288.5	1848.4	2555.0	M	ALL CANCER	140-208/C00-C97
28.7	59.2	101.5	173.0	270.5	402.7	577.7	819.6	1089.4	1474.6	F		
0.4	1.4	3.4	6.2	8.4	11.4	14.4	14.2	18.2	22.3	M	Mouth and pharynx cancer	140-149/C00-C14
0.3	0.5	1.1	2.0	3.2	4.9	6.1	7.2	8.3	15.1	F		
0.9	2.3	6.1	12.3	24.5	35.1	47.9	67.3	95.1	114.8	M	Oesophagus cancer	150/C15
0.3	0.6	1.6	3.5	6.6	12.0	17.0	30.4	44.2	67.4	F		
1.0	1.6	3.8	5.8	12.1	25.2	43.7	75.6	101.4	142.7	M	Stomach cancer	151/C16
0.7	1.1	1.8	2.9	4.8	9.3	17.4	27.5	42.4	67.5	F		
1.4	3.8	7.9	16.0	31.8	59.6	94.0	143.8	212.1	278.0	M	Colorectal cancer	153, 154/C18-C21
1.4	3.9	6.0	12.1	20.5	31.5	52.9	78.5	122.0	203.7	F		
0.4	0.5	1.1	2.2	2.9	5.9	9.3	12.8	12.6	11.5	M	Liver cancer	155.0/C22 excl C221
0.2	0.2	0.3	0.7	0.8	1.2	1.8	2.8	2.9	2.9	F		
0.6	1.7	4.9	8.3	17.9	28.1	36.6	54.8	72.8	95.9	M	Pancreas cancer	157/C25
0.4	1.2	2.7	5.2	11.5	18.6	29.9	43.2	59.4	76.0	F		
0.2	0.3	1.0	2.8	3.9	6.5	7.8	9.5	12.0	18.0	M	Larynx cancer	161/C32
-	0.1	0.1	0.2	0.9	1.1	1.7	1.9	2.5	3.0	F		
1.8	6.0	16.0	37.8	83.3	155.9	254.0	386.4	524.1	565.5	M	Lung cancer	162/C33, C34
1.3	5.6	13.7	26.2	50.0	81.0	132.7	202.1	229.3	191.4	F		
1.5	1.8	2.5	4.3	5.5	7.9	9.3	10.5	11.0	12.9	M	Malignant melanoma	172/C43
0.6	2.1	3.0	3.6	4.1	4.8	6.2	7.1	7.4	13.1	F		
11.5	21.4	33.2	54.3	66.8	79.5	90.3	109.7	143.7	224.0	F	Female breast cancer	174/C50
3.1	4.7	5.1	5.0	6.0	7.2	7.9	10.5	13.3	14.2	F	Cervix cancer	180/C53
0.1	0.5	1.6	2.7	5.8	10.0	13.4	15.5	23.8	30.8	F	Other uterine cancer	179, 182/C54, C55
1.3	3.7	9.0	14.7	24.9	37.2	43.2	50.6	54.8	61.5	F	Ovarian cancer	183/C56, C570-C574
0.0	0.1	0.9	3.3	9.1	31.0	69.4	131.3	256.0	549.1	M	Prostate cancer	185/C61
-	0.4	1.6	3.0	6.8	17.0	27.3	58.2	80.2	145.6	M	Bladder cancer	188/C67
0.3	0.4	0.9	1.7	2.4	5.7	10.1	17.2	28.1	54.0	F		
7.9	12.3	24.4	39.9	65.2	116.5	165.9	237.9	330.1	436.9	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
5.0	9.1	15.2	28.8	46.5	71.7	107.2	158.1	226.2	333.4	F		
0.5	0.4	0.4	0.8	0.9	1.2	1.9	0.8	1.8	1.0	M	Hodgkin's disease	201/C81
0.4	0.2	0.4	0.5	0.4	0.6	0.7	1.2	1.5	1.2	F		
1.8	3.0	5.7	8.7	14.9	25.6	39.7	53.3	75.3	92.0	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.8	2.2	3.5	5.6	11.3	18.7	28.7	38.4	53.5	73.4	F		
1.5	1.8	2.5	4.6	7.6	12.5	20.7	32.0	45.9	68.9	M	Leukaemia	204-208/C91-C95
1.2	1.5	2.6	3.4	4.0	7.9	10.4	17.6	26.3	42.0	F		
1.6	1.9	3.2	4.4	7.3	16.7	25.4	46.1	67.5	138.5	M	Diabetes	250/E10-E14
1.3	1.1	1.7	2.5	4.3	11.2	19.5	28.8	48.5	113.5	F		
23.2	49.8	98.4	170.3	304.8	539.9	938.7	1621.9	2754.1	5479.5	M	ALL VASCULAR DISEASE	390-459/I00-199
10.2	20.2	35.7	58.3	108.1	224.2	440.8	863.5	1730.0	4825.0	F		
0.3	0.1	0.5	0.8	1.6	2.8	4.3	7.3	12.6	16.2	M	Rheumatic heart disease and fever	390-398/I00-109
0.3	0.5	0.5	0.9	2.0	5.2	10.6	13.2	22.1	36.8	F		
0.5	1.4	2.0	2.7	7.0	9.5	13.6	21.6	36.6	66.3	M	Hypertensive disease	401-405/I10-I15
0.3	0.2	0.6	1.3	2.4	4.7	7.8	16.0	26.8	77.1	F		
11.9	31.0	66.7	118.5	220.6	380.9	630.7	1041.5	1648.9	2907.8	M	Ischaemic heart disease	410-414/I20-I25
2.8	7.4	13.8	25.2	52.1	121.0	240.9	455.4	871.7	2029.2	F		
1.6	2.5	4.1	5.9	8.9	14.9	27.9	41.6	73.3	122.5	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.5	2.2	3.8	5.2	9.0	14.3	25.2	44.9	76.2	157.1	F		
4.4	8.3	13.6	22.2	33.3	67.9	138.8	270.0	561.7	1393.1	M	Cerebrovascular disease	430-438/I60-169
3.0	6.7	12.2	17.7	27.4	50.2	97.8	211.9	474.8	1645.2	F		
4.6	6.4	11.6	20.2	33.4	63.9	123.4	240.1	421.0	973.5	M	Other vascular disease	Rest of 390-459/ rest of I00-199
2.3	3.2	4.7	7.9	15.1	28.9	58.5	122.3	258.4	879.7	F		
0.9	2.4	5.1	10.4	28.4	65.1	122.1	255.4	448.8	807.3	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.9	2.2	4.2	9.4	20.9	45.5	89.3	174.9	262.2	333.4	F		
3.7	7.2	12.4	19.5	30.7	61.6	113.1	254.1	589.3	2225.5	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
3.2	4.5	9.0	10.9	19.6	36.3	63.1	151.5	395.7	1986.6	F		
0.4	1.1	2.1	3.4	5.5	9.0	15.0	29.5	55.2	96.0	M	Peptic ulcer	531-533/K25-K27
0.3	0.8	0.8	1.1	2.7	5.2	10.9	18.7	36.2	86.2	F		
8.2	17.1	25.5	29.1	32.4	34.1	27.5	26.0	22.5	17.4	M	Liver cirrhosis	571/K70, K74
4.8	8.5	12.6	14.7	16.3	16.0	18.4	15.9	15.6	10.2	F		
0.4	0.7	0.8	1.7	2.7	4.8	11.0	21.9	43.9	124.7	M	Renal disease	580-590/N00-N19
0.6	0.3	0.7	1.6	2.2	4.3	7.3	13.3	25.5	88.3	F		
0.5	0.1	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
1.5	1.2	1.4	1.7	2.6	2.1	1.6	2.5	4.4	7.1	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.2	1.3	1.2	1.6	2.0	2.0	2.1	2.7	3.3	4.6	F		
2.4	2.0	2.8	2.5	3.9	3.5	3.8	5.9	14.4	304.5	M	Ill-defined causes	780-799/R00-R99
0.9	1.0	1.0	1.1	1.3	1.8	3.0	5.3	21.8	638.3	F		
21.4	24.3	31.1	34.2	55.8	80.1	137.8	248.3	469.3	1210.8	M	Other medical causes	Rest of 001-799/ rest of A00-R99
10.5	14.0	20.0	28.0	42.9	67.2	117.2	207.8	428.0	1367.3	F		
51.8	44.8	44.9	38.4	38.1	37.9	39.5	54.2	81.5	202.2	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
13.4	15.1	16.5	15.0	16.8	15.3	20.8	30.8	54.1	192.2	F		
10.6	7.8	6.5	5.9	5.6	6.2	6.2	7.2	8.7	18.0	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
1.9	2.2	2.5	1.7	2.4	1.9	3.8	5.3	6.3	8.7	F		
0.6	0.9	0.9	0.7	1.1	1.0	0.7	1.9	2.8	4.5	M	Fire	E890-E899/X00-X09
0.3	0.4	0.5	0.5	0.6	0.5	0.9	0.5	1.9	3.8	F		
18.8	16.3	17.3	14.0	12.0	10.4	9.4	10.7	11.7	16.3	M	Suicide	E950-E959/X60-X84
4.3	4.5	5.3	4.5	4.3	3.2	3.1	4.1	4.0	3.9	F		
2.1	1.7	0.8	0.9	1.1	0.5	0.2	0.4	0.5	0.1	M	Homicide	E960-E969/ X85-X99, Y00-Y09
0.8	1.2	0.5	0.4	0.4	0.1	0.2	0.4	0.7	0.6	F		
2275	2016	1826	2039	1607	1389	1238	1061	820	777	M	POPULATION	
2348	2056	1864	2060	1641	1447	1354	1290	1154	1615	F	(1000s; UN, 2002 revision)	

UNITED KINGDOM: 1995, 2000**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	11417	904	17	23	864	62	420	709	80	4594	4648
35-69	Sm.	27986	12945	8746	1694	2505	2909	857	9237	-	2038	-
	Total	93479 (30%)	31547 (41%)	9609 (91%)	2871 (59%)	19067 (13%)	3895 (75%)	3620 (24%)	39033 (24%)	1911	8458 (24%)	5015
70+	Sm.	48382	19363	12783	1962	4618	10893	2941	12435	-	2750	-
	Total	205826 (24%)	49867 (39%)	13936 (92%)	3159 (62%)	32772 (14%)	14490 (75%)	23989 (12%)	92959 (13%)	556	21490 (13%)	2475
Any age	Sm.	76368	32308	21529	3656	7123	13802	3798	21672	-	4788	-
	Total	310722 (25%)	82318 (39%)	23562 (91%)	6053 (60%)	52703 (14%)	18447 (75%)	28029 (14%)	132701 (16%)	2547	34542 (14%)	12138
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	10009	799	23	22	754	82	284	609	102	3953	4180
35-69	Sm.	21194	10405	6984	1548	1873	2251	705	6040	-	1793	-
	Total	83480 (25%)	28539 (36%)	7872 (89%)	2936 (53%)	17731 (11%)	3247 (69%)	3606 (20%)	30822 (20%)	2922	9030 (20%)	5314
70+	Sm.	42284	17689	11609	1896	4184	9266	2764	9719	-	2846	-
	Total	196697 (21%)	48673 (36%)	12789 (91%)	3197 (59%)	32687 (13%)	12661 (73%)	24816 (11%)	82353 (12%)	595	24785 (11%)	2814
Any age	Sm.	63478	28094	18593	3444	6057	11517	3469	15759	-	4639	-
	Total	290186 (22%)	78011 (36%)	20684 (90%)	6155 (56%)	51172 (12%)	15990 (72%)	28706 (12%)	113784 (14%)	3619	37768 (12%)	12308

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
POPULATION (1000s; UN, 2002 revision)													
1995	27913	13576	11802	2027	1865	2044	1738	1485	1374	1270	1098	733	704
2000	28521	13472	12391	2275	2016	1826	2039	1607	1389	1238	1061	820	777
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	310722	11417	93479	2821	3933	6578	9066	13937	22131	35013	50446	50633	104747
2000	290186	10009	83480	3171	3910	5760	9710	13060	19496	28373	41126	52726	102845
Lung cancer													
1995	23562	17	9609	44	149	410	831	1511	2544	4120	5145	4112	4679
2000	20684	23	7872	40	120	293	771	1338	2165	3145	4101	4295	4393
ANNUAL DEATH RATE / 100,000													
All causes				(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)									
1995	946.1*	82.5*	928.6*	139.2	210.9	321.9	521.6	938.7	1610.8	2757.1	4594.8	6906.7	14872.5
2000	836.8*	74.4*	804.6*	139.4	193.9	315.4	476.1	812.8	1403.6	2291.1	3875.1	6433.9	13237.9
All cancer													
1995	253.2*	6.4*	317.8*	21.4	45.5	89.9	180.4	339.7	575.9	971.6	1446.5	1890.2	2858.0
2000	228.6*	5.8*	281.6*	19.9	37.3	82.2	156.0	294.8	539.2	841.8	1288.5	1848.4	2555.0
Lung cancer													
1995	72.4*	0.1*	98.5*	2.2	8.0	20.1	47.8	101.8	185.2	324.4	468.6	560.9	664.3
2000	60.7*	0.2*	79.2*	1.8	6.0	16.0	37.8	83.3	155.9	254.0	386.4	524.1	565.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	19.1*	0.2*	28.3*	1.6	5.1	10.4	22.2	34.4	52.3	72.2	103.7	125.9	155.8
2000	18.7*	0.2*	28.2*	1.5	4.0	10.5	21.2	36.8	53.0	70.1	91.0	125.2	155.1
Other cancer													
1995	161.6*	6.2*	191.0*	17.6	32.4	59.4	110.4	203.6	338.4	574.9	874.1	1203.4	2037.9
2000	149.2*	5.5*	174.2*	16.6	27.4	55.6	96.9	174.7	330.4	517.8	811.1	1199.1	1834.5
Chronic obstructive pulmonary disease (COPD)													
1995	54.0*	0.5*	40.9*	1.1	2.2	4.9	12.6	28.9	76.1	160.4	326.0	514.8	1013.3
2000	44.2*	0.6*	33.5*	0.9	2.4	5.1	10.4	28.4	65.1	122.1	255.4	448.8	807.3
Other respiratory disease													
1995	81.5*	3.0*	36.1*	7.2	9.3	12.6	17.3	29.6	57.4	119.3	274.9	570.3	2383.9
2000	77.5*	2.1*	35.5*	3.7	7.2	12.4	19.5	30.7	61.6	113.1	254.1	589.3	2225.5
Vascular disease													
1995	399.0*	5.0*	394.0*	25.6	59.3	116.1	206.8	396.2	714.2	1239.9	2109.3	3221.3	6557.7
2000	322.3*	4.4*	303.6*	23.2	49.8	98.4	170.3	304.8	539.9	938.7	1621.9	2754.1	5479.5
Liver cirrhosis													
1995	8.8*	0.5*	17.2*	5.6	11.0	15.6	16.7	23.4	25.3	22.8	24.0	22.8	17.9
2000	12.2*	0.7*	24.8*	8.2	17.1	25.5	29.1	32.4	34.1	27.5	26.0	22.5	17.4
Other medical causes													
1995	108.0*	33.6*	80.5*	31.6	35.8	41.7	48.7	79.2	125.6	200.6	363.6	609.1	1850.5
2000	111.2*	30.0*	83.5*	31.6	35.2	46.9	52.5	83.6	125.8	208.4	374.9	689.3	1951.0
All non-medical causes													
1995	41.7*	33.5*	42.2*	46.7	47.9	41.1	39.0	41.7	36.5	42.4	50.6	78.3	191.1
2000	40.8*	30.9*	42.2*	51.8	44.8	44.9	38.4	38.1	37.9	39.5	54.2	81.5	202.2

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: UNITED KINGDOM

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5956	918	11	17	890	64	245	455	50	3058	1166
35-69	Sm.	13234	5182	3961	531	690	2098	547	3982	-	1425	-
	Total	59708 (22%)	27343 (19%)	4951 (80%)	1041 (51%)	21351 (3%)	2954 (71%)	2436 (22%)	17384 (23%)	1144	6566 (22%)	1881
70+	Sm.	39347	9944	6857	1416	1671	7775	3834	13576	-	4218	-
	Total	269107 (15%)	47297 (21%)	8076 (85%)	2422 (58%)	36799 (5%)	10257 (76%)	39227 (10%)	126908 (11%)	549	40938 (10%)	3931
Any age	Sm.	52581	15126	10818	1947	2361	9873	4381	17558	-	5643	-
	Total	334771 (16%)	75558 (20%)	13038 (83%)	3480 (56%)	59040 (4%)	13275 (74%)	41908 (10%)	144747 (12%)	1743	50562 (11%)	6978
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5273	775	11	14	750	61	200	385	76	2700	1076
35-69	Sm.	11326	4804	3724	479	601	1760	472	2878	-	1412	-
	Total	54196 (21%)	25432 (19%)	4728 (79%)	978 (49%)	19726 (3%)	2547 (69%)	2260 (21%)	13506 (21%)	1573	6859 (21%)	2019
70+	Sm.	39967	10381	7135	1517	1729	8211	4038	12083	-	5254	-
	Total	258711 (15%)	46968 (22%)	8346 (85%)	2527 (60%)	36095 (5%)	10669 (77%)	38611 (10%)	109048 (11%)	549	48739 (11%)	4127
Any age	Sm.	51293	15185	10859	1996	2330	9971	4510	14961	-	6666	-
	Total	318180 (16%)	73175 (21%)	13085 (83%)	3519 (57%)	56571 (4%)	13277 (75%)	41071 (11%)	122939 (12%)	2198	58298 (11%)	7222

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
	1995	29785	13661	12156	2104	1933	2003	1738	1506	1438	1433	1345	1082	1542
	2000	30169	13340	12769	2348	2056	1864	2060	1641	1447	1354	1290	1154	1615
NUMBER OF DEATHS (Source: WHO)														
All causes														
	1995	334771	5956	59708	1639	2564	4423	5966	8574	13519	23023	37965	45970	185172
	2000	318180	5273	54196	1835	2674	3861	6598	8394	12139	18695	30299	47741	180671
Lung cancer														
	1995	13038	11	4951	28	115	279	461	694	1261	2113	2907	2256	2913
	2000	13085	11	4728	30	116	255	539	820	1172	1796	2608	2646	3092
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
	1995	631.9*	43.1*	555.7*	77.9	132.6	220.8	343.2	569.2	940.2	1606.2	2821.8	4250.6	12011.7
	2000	576.8*	39.7*	495.3*	78.2	130.1	207.1	320.3	511.7	838.9	1381.1	2348.0	4136.6	11185.0
All cancer														
	1995	175.1*	6.2*	252.2*	32.3	63.9	121.6	188.8	299.3	430.2	629.0	910.2	1037.3	1546.0
	2000	163.4*	5.4*	230.5*	28.7	59.2	101.5	173.0	270.5	402.7	577.7	819.6	1089.4	1474.6
Lung cancer														
	1995	30.9*	0.1*	47.0*	1.3	5.9	13.9	26.5	46.1	87.7	147.4	216.1	208.6	189.0
	2000	30.1*	0.1*	44.3*	1.3	5.6	13.7	26.2	50.0	81.0	132.7	202.1	229.3	191.4
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
	1995	7.5*	0.1*	9.9*	0.3	0.9	3.0	5.4	12.1	18.8	28.6	42.4	50.9	84.4
	2000	7.3*	0.1*	9.1*	0.5	1.3	2.7	5.8	10.7	18.0	24.7	39.5	55.0	85.6
Other cancer														
	1995	136.7*	6.0*	195.3*	30.7	57.1	104.6	156.9	241.1	323.7	453.0	651.8	777.7	1272.6
	2000	125.9*	5.2*	177.0*	26.9	52.3	85.1	141.1	209.9	303.7	420.3	578.0	805.1	1197.6
Chronic obstructive pulmonary disease (COPD)														
	1995	26.8*	0.5*	28.6*	0.9	1.7	3.7	9.7	24.8	50.6	108.8	192.1	232.8	334.4
	2000	25.6*	0.4*	24.6*	0.9	2.2	4.2	9.4	20.9	45.5	89.3	174.9	262.2	333.4
Other respiratory disease														
	1995	64.4*	1.8*	23.0*	2.8	4.2	7.4	10.9	20.5	36.4	78.5	179.6	392.0	2112.9
	2000	60.4*	1.5*	20.9*	3.2	4.5	9.0	10.9	19.6	36.3	63.1	151.5	395.7	1986.6
Vascular disease														
	1995	249.6*	3.1*	166.1*	9.8	22.3	37.5	70.6	140.1	293.6	588.6	1187.0	2015.5	5782.3
	2000	202.5*	2.8*	128.2*	10.2	20.2	35.7	58.3	108.1	224.2	440.8	863.5	1730.0	4825.0
Liver cirrhosis														
	1995	5.2*	0.3*	9.9*	3.5	5.8	8.8	11.4	11.8	14.2	14.1	16.6	15.2	10.5
	2000	6.6*	0.5*	13.0*	4.8	8.5	12.6	14.7	16.3	16.0	18.4	15.9	15.6	10.2
Other medical causes														
	1995	94.2*	23.0*	60.3*	15.4	20.0	27.7	36.9	57.1	99.2	165.6	300.1	501.7	2041.6
	2000	101.8*	21.2*	61.9*	17.1	20.4	27.8	38.9	59.5	98.8	171.0	291.8	589.6	2363.0
All non-medical causes														
	1995	16.6*	8.3*	15.8*	13.2	14.7	14.0	15.0	15.7	16.1	21.6	36.3	56.1	184.0
	2000	16.6*	7.9*	16.1*	13.4	15.1	16.5	15.0	16.8	15.3	20.8	30.8	54.1	192.2

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

UNITED KINGDOM: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 10	– / 5.3	–
35–69	21 / 83	11 / 54	21 years
70+	42 / 197	40 / 259	8 years
All ages	63 / 290	51 / 318	12 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	7.0/7.9	12/13	19/21	–/0.0	3.7/4.7	7.1/8.3	11/13
All Cancer	–/0.8	10/29 (36%)	18/49 (36%)	28/78	–/0.8	4.8/25 (19%)	10/47 (22%)	15/73
Vascular	–/0.6	6.0/31	9.7/82	16/114	–/0.4	2.9/14	12/109	15/123
Respiratory	–/0.4	3.0/6.9	12/37	15/45	–/0.3	2.2/4.8	12/49	14/54
All Other	–/8.2	1.8/17	2.8/28	4.6/54	–/3.9	1.4/10	5.3/53	6.7/68
All Causes	–/10	21/83 (25%)	42/197 (21%)	63/290	–/5.3	11/54 (21%)	40/259 (15%)	51/318

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	28 / 78 (36%)	15 / 73 (21%)	43 / 151 (29%)
All Causes	63 / 290 (22%)	51 / 318 (16%)	115 / 608 (19%)

1950-2000: UNITED KINGDOM

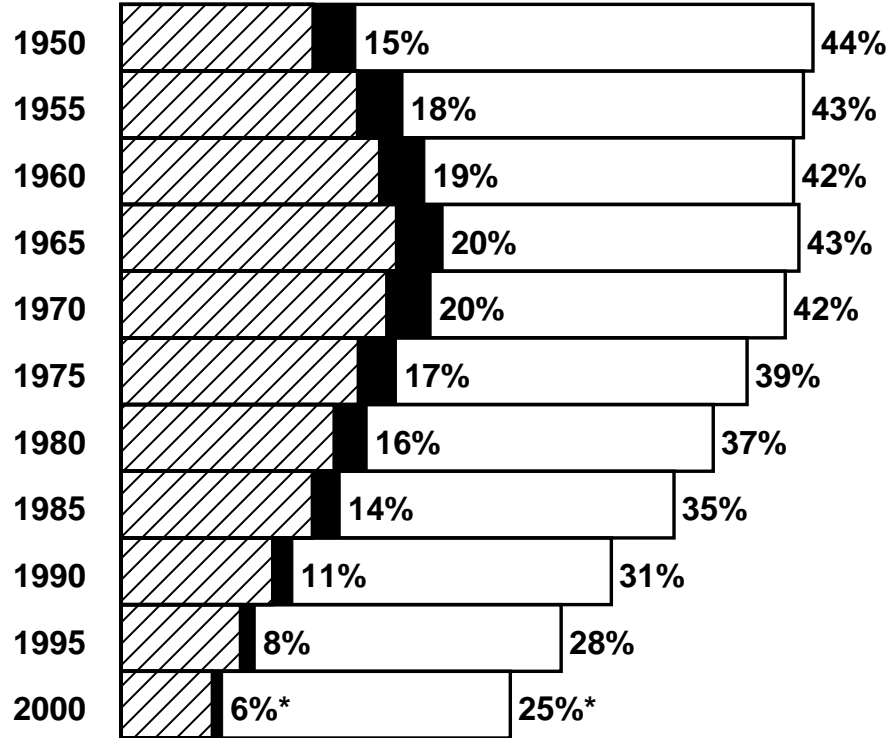
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

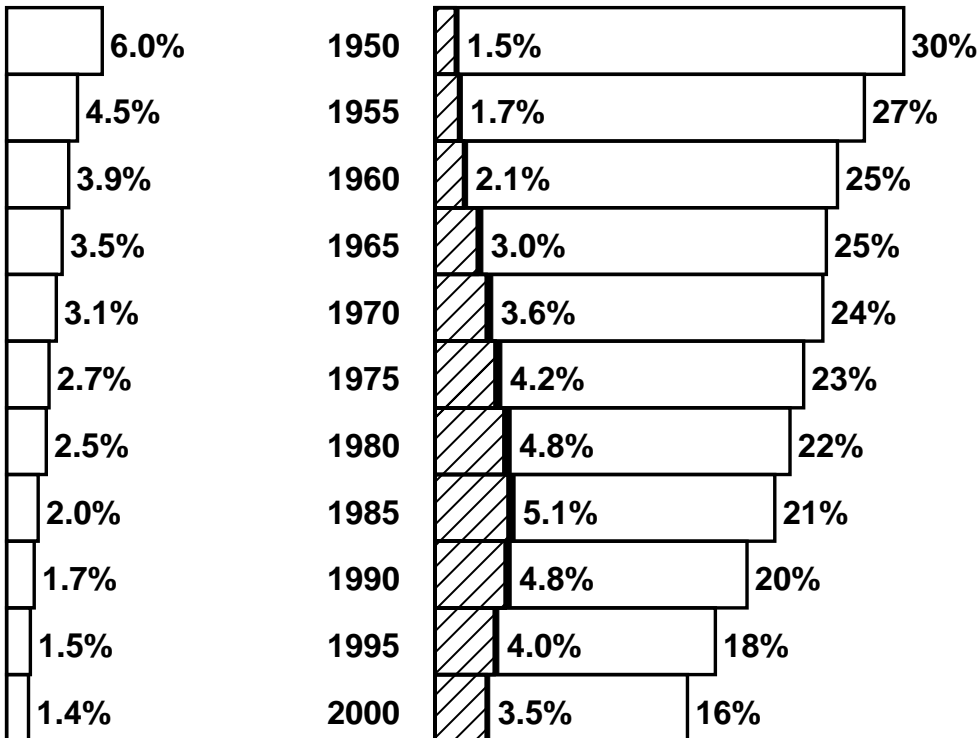
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 25 would die before age 70 (with 6 of these deaths attributed to smoking)

FEMALE



UNITED KINGDOM: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	-/30	47/130 (36%)	11/141 (8%)	58/301	-/24	5.1/97 (5%)	1.7/168 (1%)	6.8/289
1955	-/23	56/130 (43%)	20/153 (13%)	76/306	-/17	5.9/91 (7%)	2.4/183 (1%)	8.3/290
1960	-/23	62/135 (46%)	28/151 (19%)	91/309	-/15	7.3/88 (8%)	4.8/191 (3%)	12/295
1965	-/23	70/146 (48%)	36/155 (23%)	106/323	-/15	11/89 (12%)	6.3/201 (3%)	17/305
1970	-/20	71/151 (47%)	45/163 (28%)	116/334	-/13	14/90 (15%)	12/218 (6%)	26/321
1975	-/17	62/142 (44%)	52/176 (30%)	115/335	-/10	16/85 (18%)	15/232 (6%)	31/327
1980	-/15	54/130 (41%)	55/187 (29%)	109/332	-/9.1	17/79 (21%)	19/241 (8%)	36/329
1985	-/13	46/117 (39%)	59/202 (29%)	105/332	-/7.5	17/73 (23%)	29/259 (11%)	46/339
1990	-/13	37/107 (35%)	52/195 (26%)	88/315	-/6.9	16/68 (24%)	32/252 (13%)	49/327
1995	-/11	28/93 (30%)	48/206 (24%)	76/311	-/6.0	13/60 (22%)	39/269 (15%)	53/335
2000	-/10	21/83 (25%)	42/197 (21%)	63/290	-/5.3	11/54 (21%)	40/259 (15%)	51/318

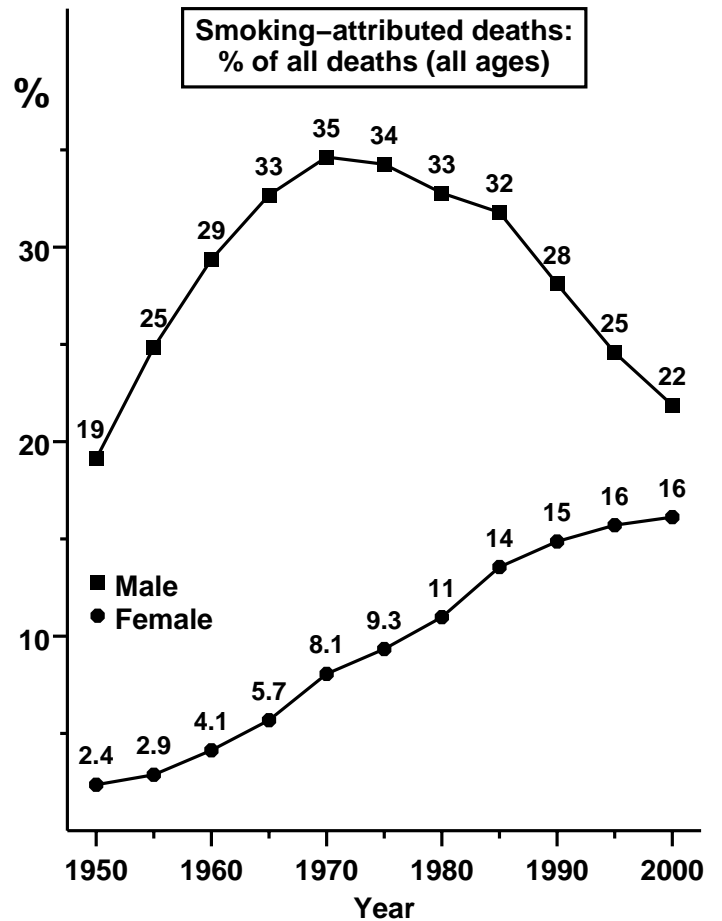
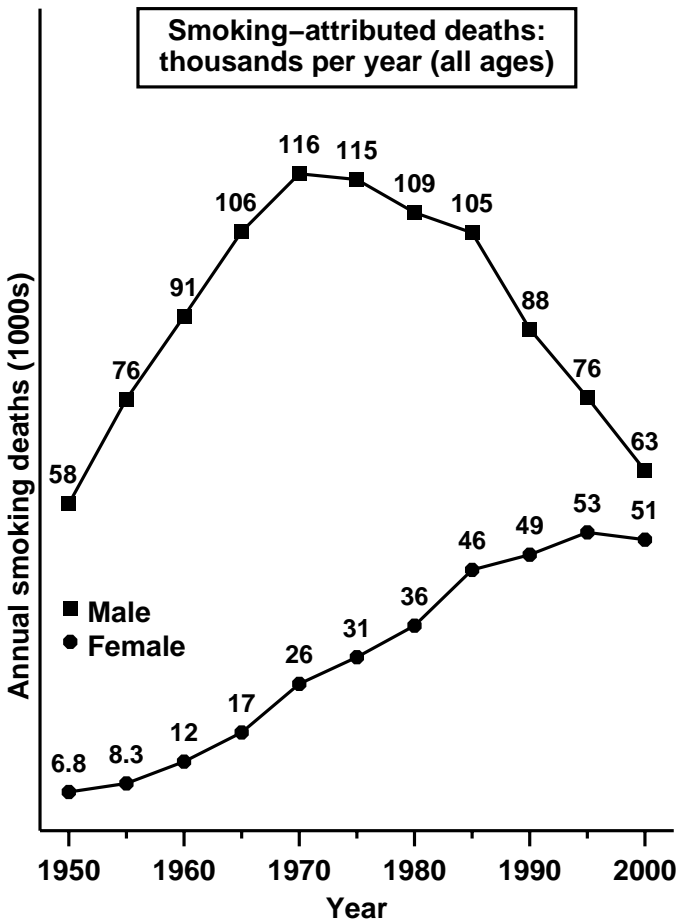
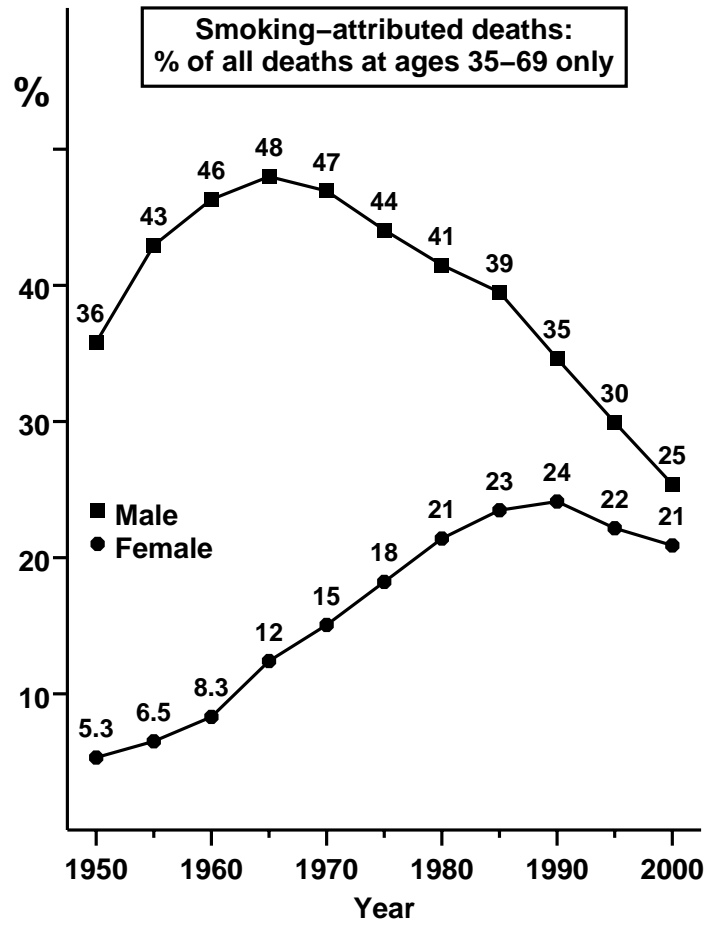
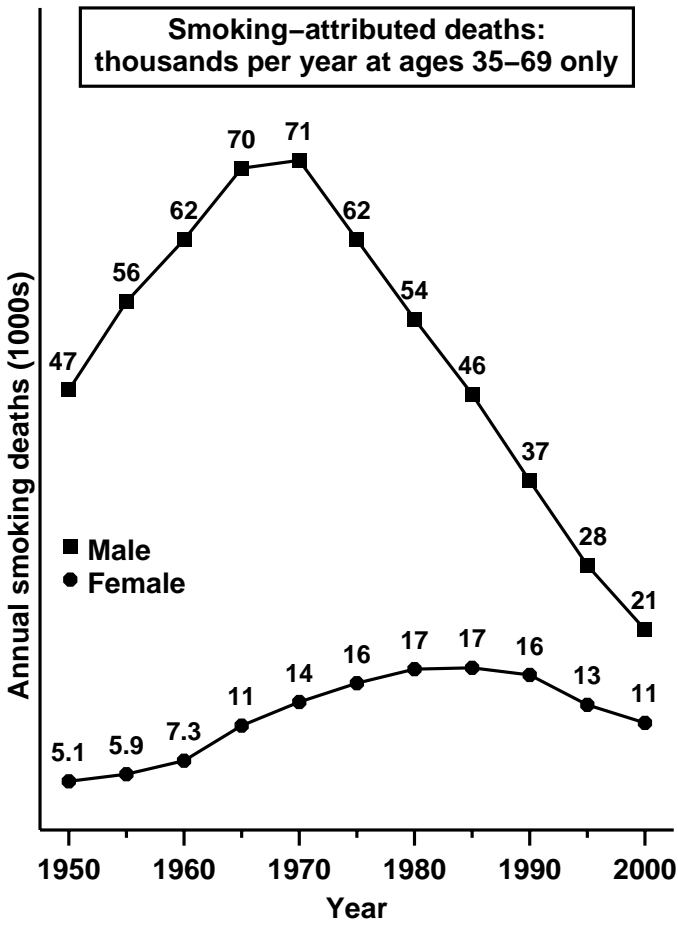
50-year total* (M=millions), mid-1950 to mid-2000: 6.3/ 32M

1950-2000 by age & sex:

-/0.9M	2.6/6.3M (42%)	2.2/8.9M (24%)	4.8/16M	-/0.6M	0.6/4.0M (16%)	0.9/11M (8%)	1.5/16M
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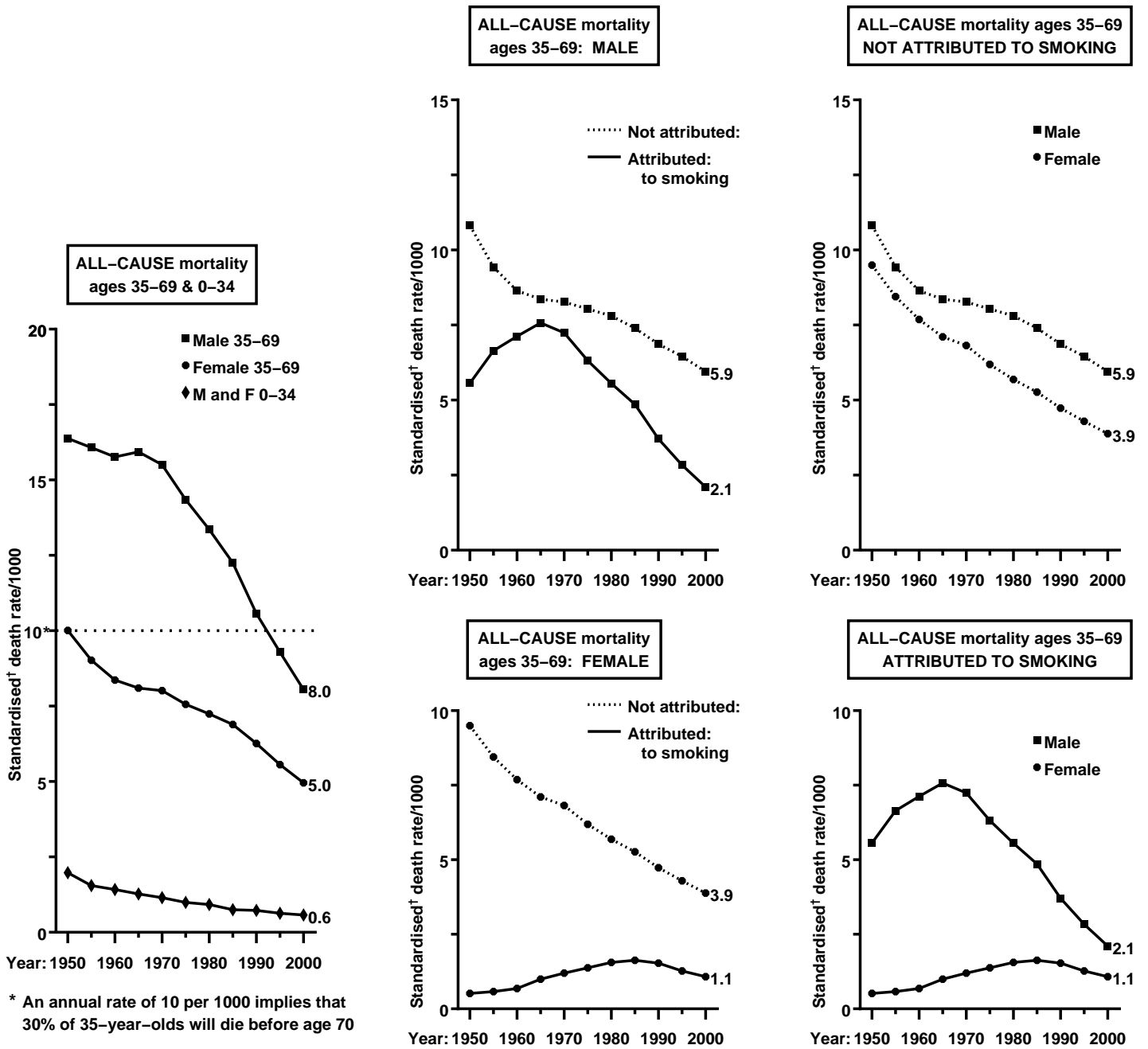
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1950-2000: UNITED KINGDOM



UNITED KINGDOM: 1950-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

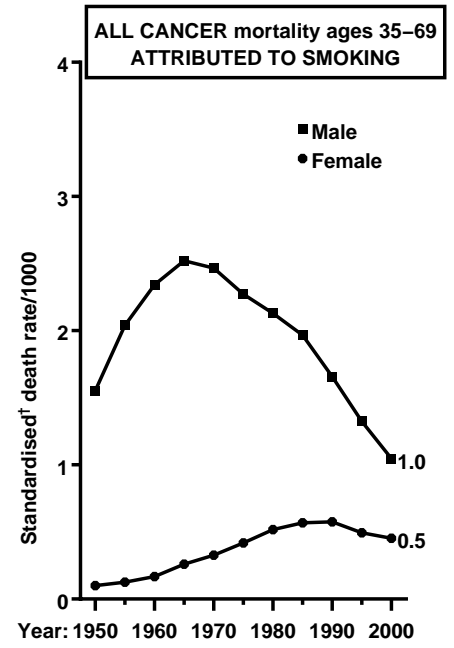
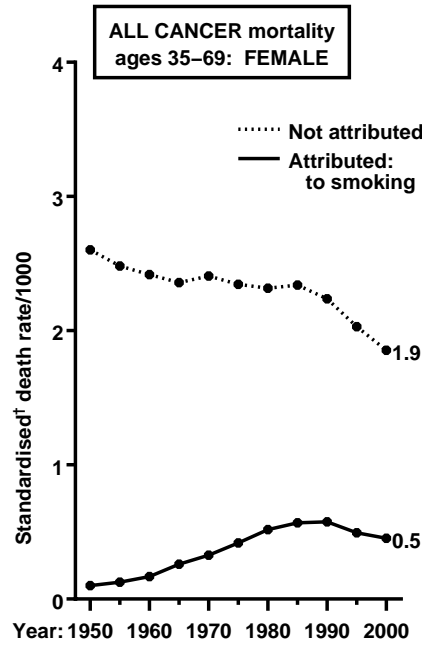
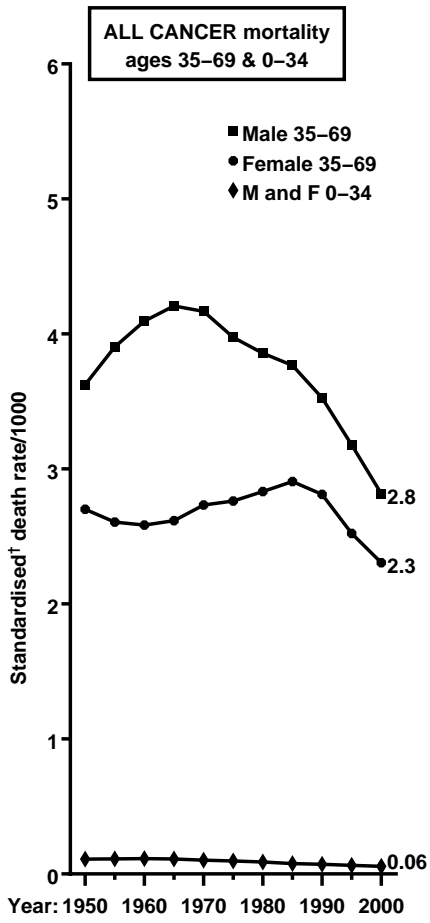
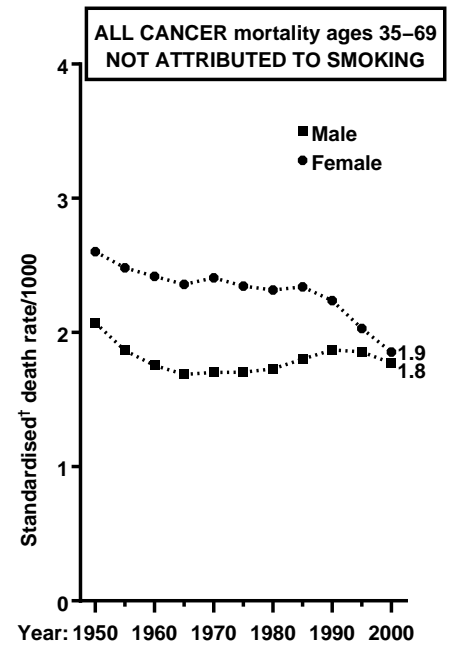
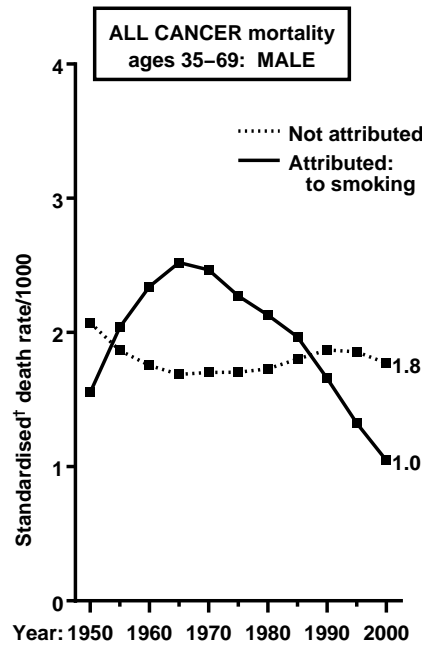
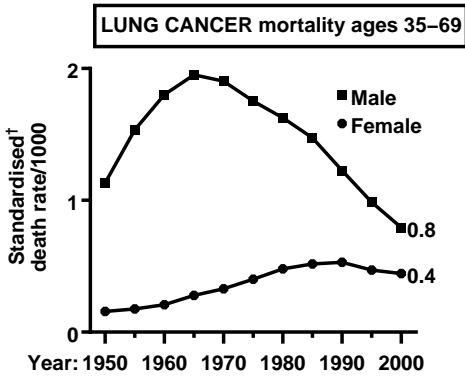
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?	0-34		35-69		70-79		Yes	No	Yes	No	Yes	No			
		Yes	No	Yes	No	Yes	No									
1950	-	-	2.17	5.56	10.8	7.59	79.8	-	1.78	0.51	9.49	0.79	63.8			
1955	-	-	1.79	6.64	9.43	13.5	76.2	-	1.31	0.58	8.44	0.99	58.3			
1960	-	-	1.69	7.12	8.64	18.4	67.8	-	1.14	0.68	7.68	1.67	53.3			
1965	-	-	1.52	7.57	8.36	22.5	63.8	-	1.02	0.99	7.10	2.00	49.5			
1970	-	-	1.38	7.24	8.26	26.7	61.0	-	0.91	1.19	6.82	3.37	47.0			
1975	-	-	1.20	6.31	8.03	26.9	56.5	-	0.77	1.37	6.19	3.71	42.4			
1980	-	-	1.11	5.55	7.80	24.0	52.2	-	0.72	1.55	5.68	4.32	38.3			
1985	-	-	0.92	4.86	7.39	23.1	50.3	-	0.57	1.62	5.26	5.96	35.0			
1990	-	-	0.94	3.70	6.86	18.0	44.7	-	0.50	1.53	4.73	6.24	30.6			
1995	-	-	0.82	2.83	6.45	15.3	42.2	-	0.43	1.27	4.29	7.31	28.1			
2000	-	-	0.74	2.10	5.94	12.6	38.9	-	0.40	1.07	3.88	6.94	25.5			

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: UNITED KINGDOM

Trends in ALL CANCER mortality attributed and not attributed to smoking



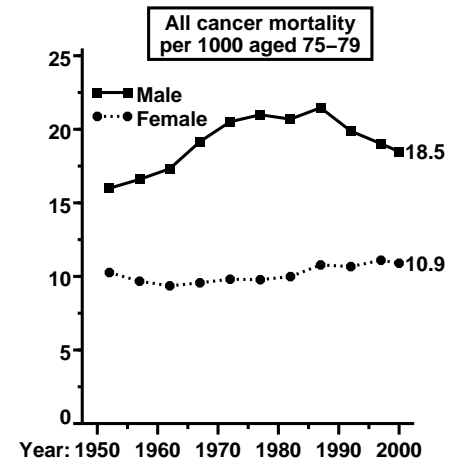
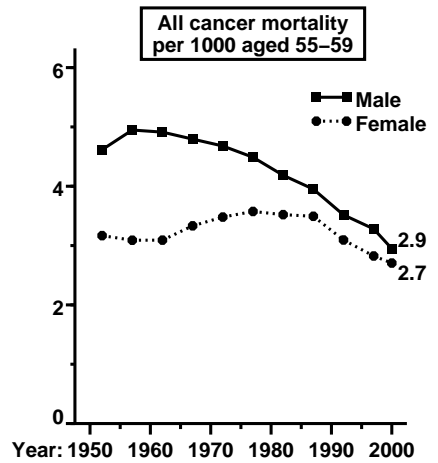
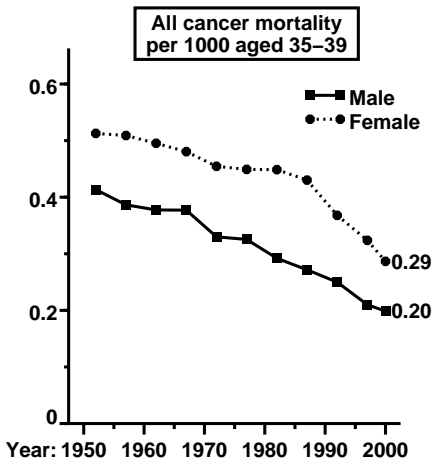
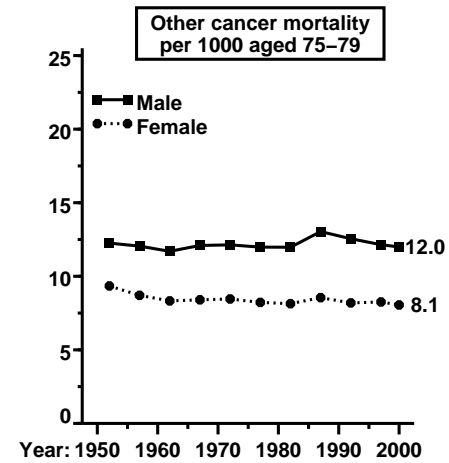
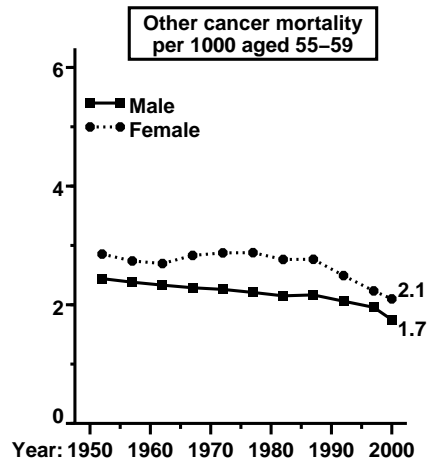
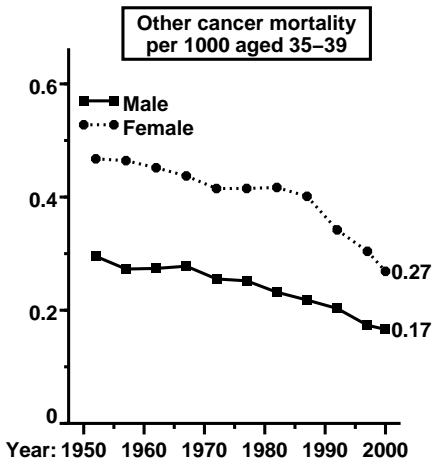
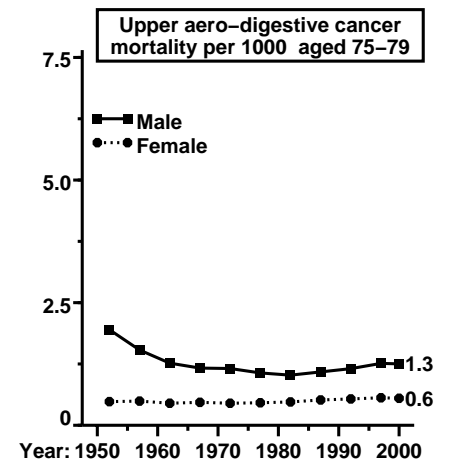
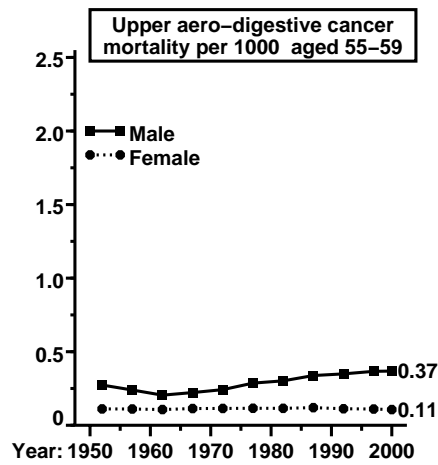
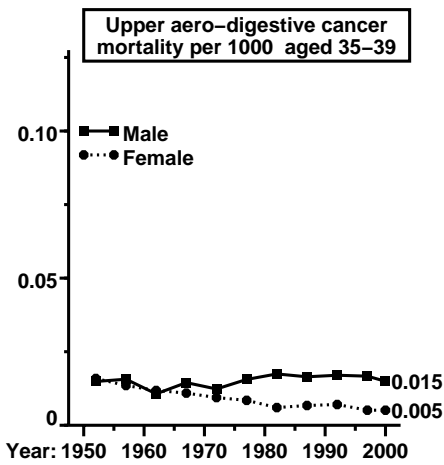
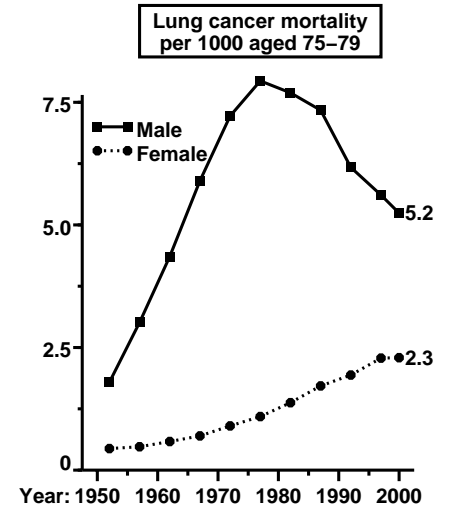
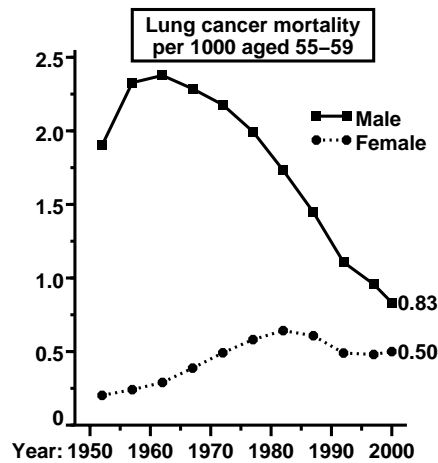
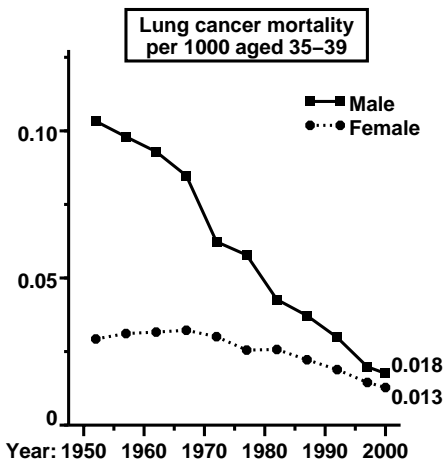
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	-	0.11	1.55	2.07	2.14	11.9	-	0.11	0.10	2.60	0.12	9.32				
1955	-	0.12	2.04	1.86	3.87	10.7	-	0.11	0.12	2.48	0.17	8.40				
1960	-	0.12	2.34	1.75	5.63	9.77	-	0.10	0.17	2.42	0.32	8.12				
1965	-	0.12	2.52	1.69	6.98	9.44	-	0.10	0.26	2.36	0.41	7.88				
1970	-	0.11	2.47	1.70	8.80	9.23	-	0.09	0.33	2.41	0.76	7.86				
1975	-	0.10	2.27	1.70	9.55	9.00	-	0.09	0.42	2.34	0.94	7.65				
1980	-	0.09	2.13	1.73	9.32	8.81	-	0.09	0.52	2.32	1.24	7.54				
1985	-	0.08	1.97	1.80	9.28	9.62	-	0.08	0.57	2.34	1.80	7.76				
1990	-	0.07	1.66	1.87	7.92	9.81	-	0.07	0.57	2.24	2.08	7.54				
1995	-	0.06	1.32	1.85	6.92	9.77	-	0.06	0.49	2.03	2.44	7.29				
2000	-	0.06	1.05	1.77	6.05	9.63	-	0.05	0.45	1.85	2.48	7.07				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

UNITED KINGDOM: 1950-2000

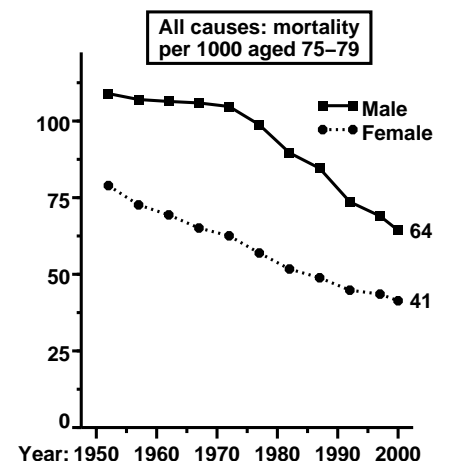
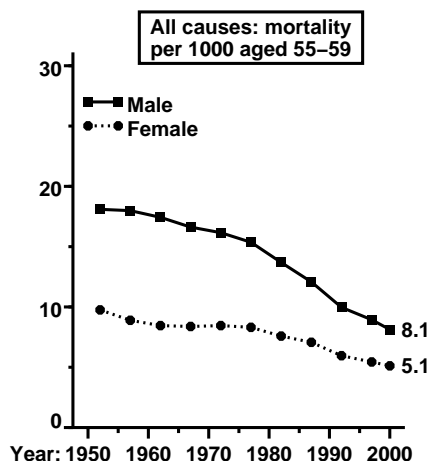
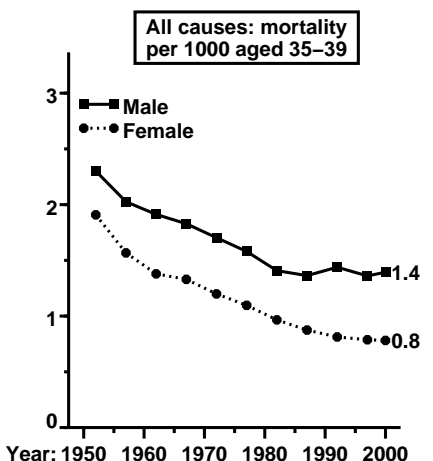
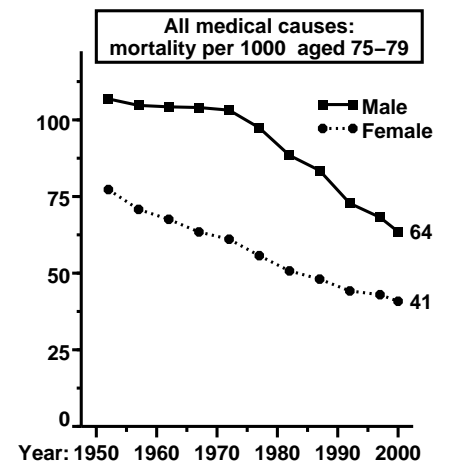
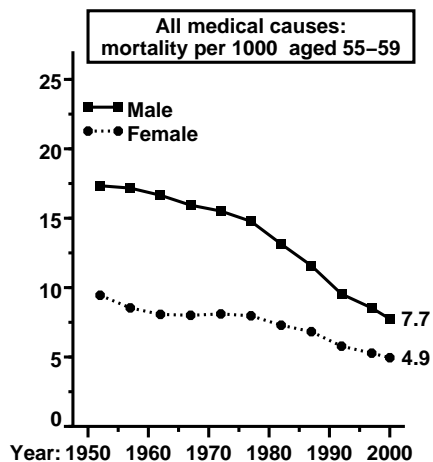
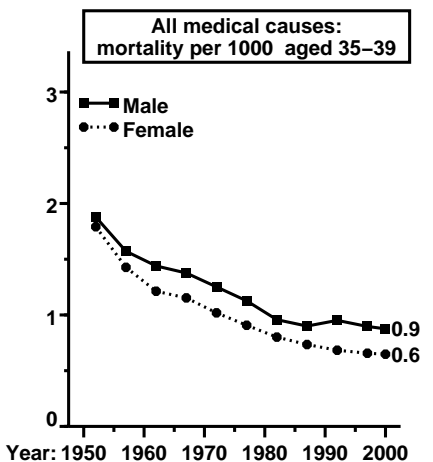
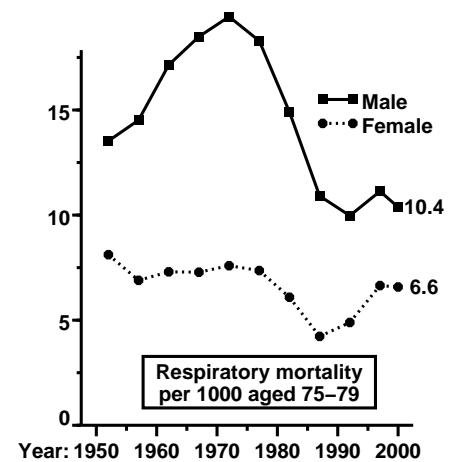
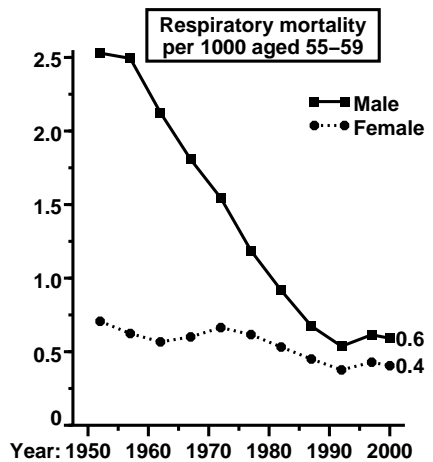
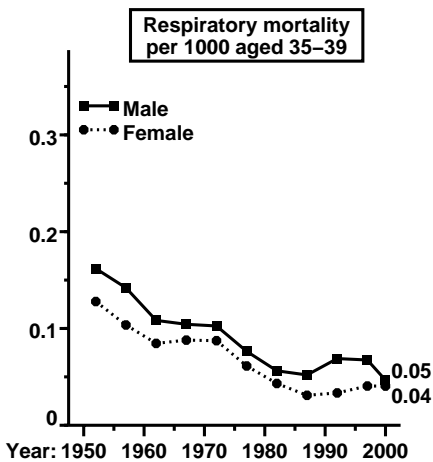
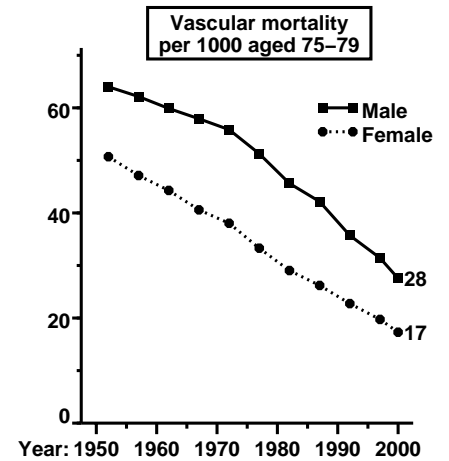
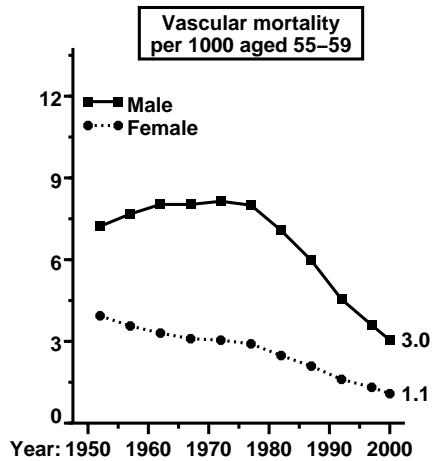
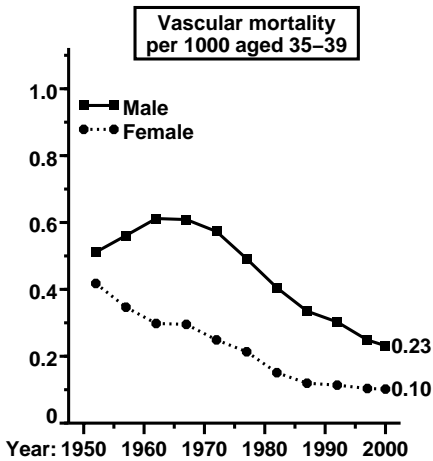
Mortality* trends at selected ages: 35–39, 55–59 & 75–79



* Annual mortality per 1000: averages of years available in 1950–54,.....,1995–99; then year 2000 separately

1950-2000: UNITED KINGDOM

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

UNITED STATES: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	1177578	73904	404951	852.3	103.4	918.2	177.2	17.1	24.1	94.1	137.0	127.7	146.7
	F	1225773	38281	267773	599.9	55.2	569.9	145.3	13.6	15.9	39.4	46.7	52.6	72.5
Tuberculosis	M	534	24	224	0.4	0.0	0.5	0.0	-	0.0	0.0	0.1	0.0	0.1
	F	367	17	85	0.2	0.0	0.2	0.1	-	0.0	-	0.0	0.0	0.0
HIV	M	10868	1737	8949	7.6	2.4	13.7	0.1	0.1	0.1	0.2	0.8	3.8	11.8
	F	3610	949	2601	2.4	1.4	3.7	0.1	0.1	0.2	0.2	0.7	2.9	5.4
Other infective and parasitic	M	20397	910	8277	14.8	1.3	17.6	3.6	0.4	0.3	0.7	0.9	1.1	1.7
	F	23231	732	5983	11.8	1.1	12.4	3.2	0.3	0.3	0.5	0.7	0.9	1.4
ALL CANCER	M	286082	3728	116716	214.7	5.2	286.0	2.7	2.5	2.8	4.3	5.9	7.0	11.2
	F	267009	3427	102686	153.2	4.9	220.9	2.3	2.1	2.2	3.0	4.2	6.9	13.5
Mouth and pharynx cancer	M	4952	45	2977	3.9	0.1	6.8	-	-	0.0	0.1	0.1	0.1	0.2
	F	2540	35	968	1.4	0.1	2.1	-	-	-	0.0	0.1	0.1	0.2
Oesophagus cancer	M	9279	34	4944	7.2	0.0	11.9	0.0	-	-	-	0.0	0.1	0.2
	F	2953	9	1022	1.7	0.0	2.3	-	-	-	0.0	-	0.0	0.1
Stomach cancer	M	7328	75	3075	5.5	0.1	7.3	-	-	-	-	0.1	0.2	0.5
	F	5317	64	1627	2.8	0.1	3.4	-	-	0.0	0.0	0.1	0.1	0.4
Colorectal cancer	M	28462	179	11133	21.2	0.3	27.1	-	-	0.0	0.1	0.2	0.4	1.1
	F	29015	136	8326	15.2	0.2	18.2	-	-	0.0	0.1	0.1	0.4	0.8
Liver cancer	M	6843	88	3699	5.3	0.1	8.4	0.1	0.1	0.0	0.1	0.1	0.2	0.3
	F	3349	53	1123	1.9	0.1	2.4	0.1	0.0	0.1	0.0	0.1	0.1	0.1
Pancreas cancer	M	14238	38	6524	10.9	0.1	15.9	0.0	-	-	0.0	0.0	0.1	0.2
	F	15094	26	4640	8.2	0.0	10.5	0.0	-	0.0	-	0.0	0.1	0.2
Larynx cancer	M	3041	2	1556	2.4	0.0	3.8	-	-	-	-	-	-	0.0
	F	820	5	381	0.5	0.0	0.9	-	-	0.0	0.0	-	-	0.0
Lung cancer	M	90469	119	40791	69.6	0.2	103.6	0.0	-	-	0.0	0.1	0.3	0.7
	F	65052	105	27039	39.2	0.1	61.6	0.0	-	0.0	-	0.1	0.1	0.8
Malignant melanoma	M	4592	132	2485	3.5	0.2	5.4	-	-	0.0	0.0	0.2	0.3	0.7
	F	2828	96	1396	1.7	0.1	2.7	-	-	-	0.0	0.2	0.3	0.5
Female breast cancer	M	41872	475	20737	25.3	0.7	41.2	-	-	-	0.0	0.1	0.8	3.7
Cervix cancer	F	4200	248	2699	2.7	0.4	4.8	-	-	0.0	0.0	0.1	0.8	1.5
Other uterine cancer	F	6586	30	2567	3.8	0.0	5.7	-	-	-	-	0.0	0.0	0.2
Ovarian cancer	F	14224	126	6243	8.5	0.2	13.3	-	0.0	-	0.1	0.2	0.4	0.6
Prostate cancer	M	31078	1	4791	21.5	0.0	13.5	-	-	-	-	-	0.0	-
Bladder cancer	M	8163	5	2138	5.9	0.0	5.6	-	-	-	0.0	0.0	-	0.0
	F	3839	9	755	1.9	0.0	1.7	-	-	0.0	-	-	0.0	0.1
Other and ill-defined cancer sites	M	47749	1696	21479	35.9	2.4	50.2	1.6	1.5	1.6	2.0	2.6	3.0	4.3
	F	42690	1131	15193	24.0	1.6	32.5	1.3	1.4	1.3	1.5	1.6	1.8	2.5
Hodgkin's disease	M	686	118	326	0.5	0.2	0.7	-	0.0	0.0	0.1	0.3	0.3	0.5
	F	601	108	236	0.4	0.2	0.4	-	0.0	0.0	0.2	0.2	0.3	0.4
Myeloma and non-Hodgkin lymphomas	M	17425	340	6845	12.9	0.5	16.4	0.1	0.1	0.1	0.4	0.8	0.6	1.1
	F	16467	200	4988	8.9	0.3	11.2	0.0	0.1	0.1	0.1	0.4	0.6	0.6
Leukaemia	M	11777	856	3953	8.6	1.2	9.5	0.9	0.7	1.0	1.5	1.5	1.3	1.5
	F	9562	571	2746	5.2	0.8	5.8	0.9	0.6	0.6	0.9	0.8	1.0	0.9
Diabetes	M	31602	489	12471	23.4	0.7	29.6	0.1	0.0	0.1	0.3	0.6	1.2	2.5
	F	37699	332	10649	19.8	0.5	23.6	0.0	0.0	0.1	0.2	0.5	0.9	1.5
ALL VASCULAR DISEASE	M	437893	3933	131708	314.0	5.5	312.7	4.7	0.7	1.2	2.9	5.1	8.3	15.5
	F	503631	2613	69425	221.6	3.8	154.9	4.2	0.6	1.0	2.1	3.7	5.6	9.2
Rheumatic heart disease and fever	M	1072	33	429	0.8	0.0	1.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1
	F	2510	29	711	1.3	0.0	1.5	0.0	0.0	-	0.0	0.0	0.1	0.1
Hypertensive disease	M	17934	233	7083	13.1	0.3	15.6	0.0	0.0	0.0	0.0	0.3	0.6	1.3
	F	26685	143	4591	12.0	0.2	9.8	0.0	0.0	0.0	0.1	0.2	0.4	0.7
Ischaemic heart disease	M	260574	818	82956	188.5	1.1	199.0	0.2	0.0	0.0	0.2	0.6	1.8	5.0
	F	254630	296	34447	112.1	0.4	79.3	0.2	0.0	0.0	0.1	0.3	0.6	1.7
Pulmonary embolism and other venous	M	4907	214	2185	3.6	0.3	4.7	0.1	0.1	0.0	0.1	0.3	0.5	1.0
	F	6940	277	2297	3.7	0.4	4.6	0.0	0.0	0.0	0.2	0.6	0.8	1.1
Cerebrovascular disease	M	64769	540	14541	45.3	0.8	34.9	0.9	0.1	0.2	0.4	0.7	1.1	1.9
	F	102892	508	12696	44.3	0.7	27.6	0.8	0.1	0.3	0.3	0.7	1.0	1.9
Other vascular disease	M	88637	2095	24514	62.8	2.9	57.4	3.4	0.5	0.9	2.1	3.1	4.2	6.3
	F	109974	1360	14683	48.1	2.0	32.1	3.1	0.4	0.6	1.3	1.9	2.6	3.7
Chronic obstructive pulmonary disease	M	60008	401	13817	42.8	0.6	37.0	0.4	0.2	0.5	0.6	0.6	0.7	0.9
	F	62009	286	12950	31.1	0.4	30.9	0.3	0.2	0.3	0.3	0.4	0.6	0.8
Other respiratory disease	M	50708	1144	9643	35.0	1.6	23.1	4.5	0.5	0.4	0.7	1.3	1.5	2.2
	F	58354	941	7140	25.2	1.4	15.5	3.8	0.4	0.5	0.7	1.0	1.3	1.9
Peptic ulcer	M	2176	13	746	1.6	0.0	1.7	-	-	-	0.0	0.0	0.0	0.0
	F	2328	10	404	1.1	0.0	0.9	-	-	-	0.0	0.0	0.0	0.1
Liver cirrhosis	M	17109	296	12960	13.3	0.4	25.8	0.0	-	-	0.0	0.1	0.6	2.1
	F	9003	141	5364	5.8	0.2	10.3	0.0	-	-	0.0	0.1	0.2	1.0
Renal disease	M	18234	309	4577	12.9	0.4	11.0	1.1	0.1	0.1	0.2	0.2	0.4	0.8
	F	20171	246	3919	9.6	0.4	8.8	0.7	0.0	0.1	0.1	0.4	0.4	0.8
Pregnancy, birth	F	404	277	127	0.3	0.4	0.2	-	-	-	0.2	0.8	0.9	0.9
Congenital and perinatal causes	M	13485	12005	1051	10.2	16.4	2.0	107.1	1.1	1.1	1.4	1.4	1.3	1.5
	F	11162	9610	955	8.6	13.8	1.8	90.6	1.0	1.0	0.9	0.9	0.9	1.1
Ill-defined causes	M	15863	4033	6378	11.4	5.6	11.9	21.9	0.4	0.5	1.9	3.9	4.6	5.8
	F	16015	2453	3358	8.2	3.5	6.0	16.0	0.4	0.4	1.2	1.8	2.2	2.8
Other medical causes	M	107935	4945	30659	75.9	6.9	66.6	11.1	2.4	3.1	4.6	7.2	8.3	11.5
	F	164196	3756	24704	73.0	5.4	50.9	9.1	2.2	2.8	3.5	5.1	6.4	8.7
ALL NON-MEDICAL CAUSES	M	104684	39937	46775	74.2	56.4	79.2	19.8	8.6	13.9	76.1	108.7	88.9	79.0
	F	46584	12491	17423	28.0	18.1	29.0	14.9	6.3	7.0	26.5	26.3	22.5	23.5
Motor vehicle traffic accidents	M	28435	13697	11479	20.2	19.4	19.6	3.9	3.7	5.4	33.3	39.9	27.6	21.8
	F	13673	5762	5277	9.1	8.4	9.0	3.3	3.3	3.5	17.3	13.9	9.4	8.0
Fire	M	2025	617	919	1.5	0.9	1.7	1.9	1.0	0.3	0.4	0.8	0.8	0.8
	F	1352	409	479	0.8	0.6	0.9	1.3	0.7	0.5	0.4	0.4	0.4	

2000: UNITED STATES

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK			
204.9	304.6	449.7	643.2	974.7	1514.3	2336.3	3591.9	5515.6	12097.7	M	ALL CAUSES	001-999/A00-Y89
112.4	169.7	246.4	377.8	596.9	965.1	1521.2	2366.4	3806.8	10796.3	F		
0.1	0.2	0.4	0.5	0.4	0.7	1.1	1.3	2.5	5.0	M	Tuberculosis	010-018, 137/
0.1	0.1	0.0	0.1	0.1	0.3	0.6	1.0	1.8	2.3	F		A15-A19, B90
19.1	20.3	20.0	15.0	9.9	6.9	4.5	2.9	1.7	0.4	M	HIV	279.5, 279.6/B20-B24
6.3	6.5	5.2	3.3	2.0	1.5	1.0	0.7	0.3	0.2	F		
3.8	7.2	14.0	16.9	18.1	25.3	37.8	57.1	92.5	190.8	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
2.5	4.5	6.9	9.0	13.0	20.2	30.6	47.2	73.6	186.1	F		
21.2	44.2	92.1	174.2	316.4	528.1	825.6	1163.2	1536.5	2245.6	M	ALL CANCER	140-208/C00-C97
27.6	52.0	91.6	157.4	254.1	394.4	569.2	771.7	981.3	1362.7	F		
0.5	1.4	3.1	6.0	9.3	12.5	15.0	16.5	18.1	22.2	M	Mouth and pharynx cancer	140-149/C00-C14
0.2	0.4	0.9	1.6	2.1	3.8	5.4	7.3	8.4	13.8	F		
0.6	1.8	4.1	8.7	14.9	22.7	30.3	37.1	42.5	46.9	M	Oesophagus cancer	150/C15
0.1	0.2	0.6	1.4	2.7	4.4	7.1	9.8	11.1	16.3	F		
0.9	1.6	2.9	4.8	7.7	13.9	19.3	27.7	38.2	59.3	M	Stomach cancer	151/C16
0.6	1.2	1.7	2.4	3.5	5.8	8.9	12.9	18.7	36.9	F		
2.4	4.4	8.9	17.1	30.1	50.3	76.6	113.1	154.4	246.5	M	Colorectal cancer	153, 154/C18-C21
1.8	3.5	7.3	12.3	19.9	33.6	49.0	74.9	105.6	208.1	F		
0.6	1.7	5.3	7.6	10.1	13.8	19.5	24.9	30.4	35.0	M	Liver cancer	155.0/C22 excl C221
0.3	0.6	1.0	1.5	2.7	4.3	6.7	10.5	13.4	18.2	F		
0.8	2.1	5.3	11.1	18.2	29.6	44.2	55.7	77.9	95.2	M	Pancreas cancer	157/C25
0.5	1.5	2.9	6.3	11.6	19.8	30.9	47.6	64.3	89.8	F		
0.1	0.4	1.2	2.5	4.8	7.8	9.9	12.6	14.4	16.7	M	Larynx cancer	161/C32
0.0	0.1	0.3	0.6	0.9	1.4	2.6	2.9	3.3	2.5	F		
3.3	10.5	25.3	53.3	114.2	199.4	318.9	430.4	500.4	527.1	M	Lung cancer	162/C33, C34
2.6	8.0	16.1	34.3	69.2	120.2	180.8	237.2	268.2	248.3	F		
1.0	2.1	3.2	5.2	6.4	8.6	11.1	14.3	17.8	26.7	M	Malignant melanoma	172/C43
1.0	1.3	2.0	2.4	2.9	4.0	5.0	6.4	7.6	11.8	F		
8.5	16.0	26.0	40.0	52.8	65.4	79.9	98.3	120.2	179.8	F	Female breast cancer	174/C50
2.6	3.5	4.3	5.2	5.9	5.8	6.7	7.0	7.4	9.9	F	Cervix cancer	180/C53
0.4	0.8	1.8	3.5	6.7	11.3	15.6	20.0	24.1	33.2	F	Other uterine cancer	179, 182/C54, C55
1.3	2.8	5.9	10.8	16.0	23.4	33.2	40.1	53.7	60.3	F	Ovarian cancer	183/C56, C570-C574
0.1	0.2	1.1	3.1	9.4	25.1	55.4	108.7	200.9	495.1	M	Prostate cancer	185/C61
0.2	0.4	1.1	2.5	5.6	10.5	18.8	31.4	49.1	102.1	M	Bladder cancer	188/C67
0.2	0.3	0.5	0.8	1.7	3.3	5.5	9.8	14.2	33.5	F		
7.0	12.0	20.5	36.3	57.7	88.8	129.0	175.7	227.9	329.2	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
4.8	8.1	13.8	23.7	37.1	56.8	83.2	115.3	155.1	236.7	F		
0.4	0.4	0.5	0.6	0.5	1.1	1.3	1.9	2.3	3.0	M	Hodgkin's disease	201/C81
0.3	0.3	0.3	0.4	0.5	0.6	0.7	1.3	1.5	2.2	F		
1.9	3.2	6.1	10.4	18.0	28.3	47.2	67.9	99.1	139.7	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.0	1.8	3.5	6.4	12.1	20.7	32.6	47.3	69.0	101.0	F		
1.6	2.1	3.5	5.1	9.5	15.8	28.9	45.1	63.1	100.8	M	Leukaemia	204-208/C91-C95
1.6	1.7	2.5	3.9	5.8	9.6	15.4	23.1	35.5	60.4	F		
3.5	6.8	11.2	19.7	32.9	53.2	79.9	116.9	168.3	275.1	M	Diabetes	250/E10-E14
2.5	4.2	7.6	14.8	25.7	42.4	68.4	101.0	146.3	260.9	F		
31.8	68.8	126.5	211.1	347.1	551.7	851.7	1377.2	2241.6	5600.3	M	ALL VASCULAR DISEASE	390-459/I00-199
17.5	31.4	51.2	87.4	151.5	272.2	473.2	813.5	1515.3	5509.9	F		
0.2	0.3	0.5	0.6	1.1	1.8	2.2	3.5	5.6	9.3	M	Rheumatic heart disease and fever	390-398/I00-109
0.2	0.5	0.7	0.9	1.6	2.5	4.5	7.2	9.8	16.8	F		
2.5	5.6	8.9	13.8	18.1	27.1	33.4	50.0	74.3	199.0	M	Hypertensive disease	401-405/I10-I15
1.5	2.9	4.6	6.3	10.6	16.8	25.9	40.7	75.1	282.3	F		
14.7	36.9	75.8	134.4	229.3	357.8	544.5	859.4	1350.9	3168.2	M	Ischaemic heart disease	410-414/I20-I25
5.0	10.1	19.5	40.9	78.6	146.4	254.8	434.5	790.1	2777.3	F		
1.4	1.9	2.9	4.1	4.7	7.5	10.8	14.7	22.4	38.6	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.5	2.1	2.7	3.7	4.6	7.5	10.1	14.7	20.7	46.4	F		
3.8	7.8	14.0	21.3	34.7	61.5	101.4	188.5	356.1	980.9	M	Cerebrovascular disease	430-438/I60-169
3.9	7.4	11.7	17.1	26.1	45.6	81.3	152.0	312.3	1161.0	F		
9.3	16.4	24.5	36.8	59.2	96.0	159.3	261.1	432.1	1204.3	M	Other vascular disease	Rest of 390-459/ rest of I00-199
5.5	8.5	12.0	18.6	30.0	53.5	96.6	164.4	307.2	1226.1	F		
1.3	2.6	6.2	12.2	31.3	67.1	138.3	251.9	391.7	741.7	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
1.4	2.8	5.4	11.4	27.0	57.0	111.2	189.0	278.0	464.4	F		
3.4	6.3	8.5	13.6	22.0	37.6	70.1	133.5	254.1	842.7	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.8	4.1	6.0	9.3	15.1	25.7	45.7	82.8	161.1	662.9	F		
0.3	0.4	0.8	1.5	2.0	2.9	3.8	6.7	10.7	25.8	M	Peptic ulcer	531-533/K25-K27
0.1	0.2	0.4	0.5	0.9	1.6	2.4	3.6	6.9	24.3	F		
6.3	14.2	25.0	28.5	31.1	37.1	38.6	39.6	39.1	33.0	M	Liver cirrhosis	571/K70, K74
3.2	5.9	8.1	8.8	12.0	15.0	18.9	22.4	24.9	22.4	F		
1.4	2.5	4.4	6.5	10.7	18.5	32.9	53.7	99.0	256.3	M	Renal disease	580-590/N00-N19
1.2	1.7	2.6	4.8	8.4	15.7	27.4	43.3	68.5	184.6	F		
0.7	0.3	0.0	0.0	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
1.4	1.5	1.6	2.2	2.0	2.6	2.7	2.6	3.2	7.2	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.1	1.1	1.2	1.5	2.4	2.4	2.5	2.3	3.3	5.7	F		
7.6	10.2	11.5	11.2	11.2	13.2	18.7	21.9	35.0	110.1	M	Ill-defined causes	780-799/R00-R99
3.7	4.9	5.5	5.0	5.8	7.3	10.2	16.5	26.3	139.4	F		
18.1	28.2	41.4	53.1	69.4	99.6	156.4	265.5	498.7	1458.8	M	Other medical causes	Rest of 001-799/ rest of A00-R99
12.9	19.7	26.0	37.7	52.7	80.4	126.5	224.9	448.8	1778.7	F		
85.8	91.3	86.2	76.9	70.1	69.9	74.1	98.1	141.0	304.8	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
28.8	30.2	28.5	26.8	26.3	29.0	33.3	46.4	70.4	191.8	F		
21.5	21.2	20.3	18.9	18.7	18.5	18.2	22.2	29.6	45.6	M	Motor vehicle traffic accidents	E810-E819/ part of V01-V99
9.0	8.0	8.0	8.0	8.8	9.9	11.0	13.5	17.8	20.3	F		
1.2	1.2	1.4	1.8	1.9	2.2	2.4	3.1	4.3	7.2	M	Fire	E890-E899/X00-X09
0.5	0.7	0.7	0.7	0.9	1.2	1.6	1.8	2.8	4.3	F		
21.6	23.7	23.0	21.4	19.7	18.4	19.5	25.5	33.8	48.6	M	Suicide	E950-E959/X60-X84
5.7	6.8	6.5	6.7	5.7	4.8	4.0	4.1	3.8	4.4	F		
10.7	9.6	7.6	5.8	4.9	3.7	3.2	3.3	2.6	3.9	M	Homicide	E960-E969/ X85-X99, Y00-Y09
4.3	3.4	2.7	2.0	1.6	1.5	1.6	1.6	2.0	2.2	F		
11351	11176	10033	8594	6610	5210	4449	3994	3143	3157	M	POPULATION	
11471	11560	10437	9060	7090	5720	5115	4902	4318	5922	F	(1000s; UN, 2002 revision)	

UNITED STATES: 1995, 2000

Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	93053	4306	180	80	4046	470	1465	4657	461	34531	47163
35-69	Sm.	136595	57045	40654	6051	10340	10652	2930	41724	-	24244	-
	Total	422758 (32%)	119206 (48%)	43891 (93%)	9365 (65%)	65950 (16%)	13653 (78%)	10240 (29%)	144784 (29%)	12182	79368 (31%)	43325
70+	Sm.	145279	61823	43626	4438	13759	29441	4853	37566	-	11596	-
	Total	657148 (22%)	158099 (39%)	47785 (91%)	7296 (61%)	103018 (13%)	39815 (74%)	41224 (12%)	303011 (12%)	3882	94625 (12%)	16492
Any age	Sm.	281874	118868	84280	10489	24099	40093	7783	79290	-	35840	-
	Total	1172959 (24%)	281611 (42%)	91856 (92%)	16741 (63%)	173014 (14%)	53938 (74%)	52929 (15%)	452452 (18%)	16525	208524 (17%)	106980
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	73904	3728	119	81	3528	401	1144	3933	296	24465	39937
35-69	Sm.	118577	52036	37281	5737	9018	10380	2480	34123	-	19558	-
	Total	404951 (29%)	116716 (45%)	40791 (91%)	9477 (61%)	66448 (14%)	13817 (75%)	9643 (26%)	131708 (26%)	12960	73332 (27%)	46775
70+	Sm.	150264	63367	45006	4583	13778	33379	4444	34939	-	14135	-
	Total	698723 (22%)	165638 (38%)	49559 (91%)	7714 (59%)	108365 (13%)	45790 (73%)	39921 (11%)	302252 (12%)	3853	123297 (11%)	17972
Any age	Sm.	268841	115403	82287	10320	22796	43759	6924	69062	-	33693	-
	Total	1177578 (23%)	286082 (40%)	90469 (91%)	17272 (60%)	178341 (13%)	60008 (73%)	50708 (14%)	437893 (16%)	17109	221094 (15%)	104684

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)													
1995	132438	70973	52195	11301	10196	8783	6844	5531	4900	4640	3960	2793	2518
2000	139935	72219	57422	11351	11176	10033	8594	6610	5210	4449	3994	3143	3157
NUMBER OF DEATHS (Source: WHO)													
All causes													
1995	1172959	93053	422758	32339	37792	42609	48313	58848	83442	119415	154586	164372	338190
2000	1177578	73904	404951	23252	34045	45121	55277	64425	78896	103935	143473	173327	381923
Lung cancer													
1995	91856	180	43891	401	1092	2447	4694	7388	11434	16435	18349	14531	14905
2000	90469	119	40791	370	1172	2540	4583	7546	10391	14189	17193	15726	16640
ANNUAL DEATH RATE / 100,000 (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
All causes													
1995	949.8*	128.9*	1026.9*	286.2	370.7	485.1	705.9	1063.9	1702.8	2573.9	3903.6	5884.5	13432.0
2000	852.3*	103.4*	918.2*	204.9	304.6	449.7	643.2	974.7	1514.3	2336.3	3591.9	5515.6	12097.7
All cancer													
1995	234.9*	5.9*	313.9*	24.1	48.7	97.0	194.2	349.0	591.0	893.3	1249.3	1607.9	2530.5
2000	214.7*	5.2*	286.0*	21.2	44.2	92.1	174.2	316.4	528.1	825.6	1163.2	1536.5	2245.6
Lung cancer													
1995	77.9*	0.2*	118.8*	3.5	10.7	27.9	68.6	133.6	233.3	354.2	463.3	520.2	592.0
2000	69.6*	0.2*	103.6*	3.3	10.5	25.3	53.3	114.2	199.4	318.9	430.4	500.4	527.1
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
1995	14.4*	0.1*	24.3*	1.3	4.0	8.8	19.1	30.8	45.2	60.8	69.3	77.3	95.0
2000	13.5*	0.1*	22.5*	1.2	3.5	8.4	17.2	29.1	43.0	55.2	66.2	75.0	85.9
Other cancer													
1995	142.6*	5.6*	170.8*	19.2	34.1	60.3	106.6	184.6	312.5	478.3	716.6	1010.3	1843.5
2000	131.7*	4.9*	159.9*	16.7	30.2	58.4	103.7	173.1	285.7	451.5	666.5	961.1	1632.6
Chronic obstructive pulmonary disease (COPD)													
1995	43.5*	0.7*	38.4*	1.4	2.1	5.3	13.1	31.9	72.4	142.5	247.7	397.0	751.3
2000	42.8*	0.6*	37.0*	1.3	2.6	6.2	12.2	31.3	67.1	138.3	251.9	391.7	741.7
Other respiratory disease													
1995	42.2*	2.0*	26.1*	4.9	6.9	10.2	14.7	22.5	43.8	79.4	154.7	300.5	1060.5
2000	35.0*	1.6*	23.1*	3.4	6.3	8.5	13.6	22.0	37.6	70.1	133.5	254.1	842.7
Vascular disease													
1995	370.3*	6.3*	373.0*	38.2	76.6	143.6	252.7	402.5	667.6	1029.6	1631.3	2589.3	6596.4
2000	314.0*	5.5*	312.7*	31.8	68.8	126.5	211.1	347.1	551.7	851.7	1377.2	2241.6	5600.3
Liver cirrhosis													
1995	14.1*	0.6*	26.9*	8.2	17.5	22.7	27.6	31.3	39.6	41.4	44.3	39.9	40.2
2000	13.3*	0.4*	25.8*	6.3	14.2	25.0	28.5	31.1	37.1	38.6	39.6	39.1	33.0
Other medical causes													
1995	164.2*	46.4*	167.8*	116.0	128.1	126.0	129.8	155.8	212.8	306.0	474.0	803.6	2121.3
2000	158.2*	33.7*	154.5*	55.2	77.2	105.3	126.8	156.6	222.8	337.8	528.5	911.5	2329.5
All non-medical causes													
1995	80.7*	67.0*	80.9*	93.4	90.9	80.2	73.7	70.9	75.6	81.6	102.3	146.3	331.8
2000	74.2*	56.4*	79.2*	85.8	91.3	86.2	76.9	70.1	69.9	74.1	98.1	141.0	304.8

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

1995, 2000: UNITED STATES

Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
1995												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	43508	3795	131	41	3623	373	1171	2920	212	20836	14201
35-69	Sm.	74423	27984	22914	1524	3546	9379	1992	21881	-	13187	-
	Total	262371 (28%)	103622 (27%)	26802 (85%)	2523 (60%)	74297 (5%)	12083 (78%)	6811 (29%)	74053 (30%)	5140	45608 (29%)	15054
70+	Sm.	141082	36280	28085	2245	5950	28664	6022	51418	-	18698	-
	Total	833294 (17%)	149427 (24%)	32411 (87%)	3595 (62%)	113421 (5%)	36505 (79%)	51271 (12%)	426166 (12%)	3345	152006 (12%)	14574
Any age	Sm.	215505	64264	50999	3769	9496	38043	8014	73299	-	31885	-
	Total	1139173 (19%)	256844 (25%)	59344 (86%)	6159 (61%)	191341 (5%)	48961 (78%)	59253 (14%)	503139 (15%)	8697	218450 (15%)	43829
2000												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	38281	3427	105	49	3273	286	941	2613	141	18382	12491
35-69	Sm.	73026	27432	22830	1381	3221	9902	1976	19405	-	14311	-
	Total	267773 (27%)	102686 (27%)	27039 (84%)	2371 (58%)	73276 (4%)	12950 (76%)	7140 (28%)	69425 (28%)	5364	52785 (27%)	17423
70+	Sm.	170463	42508	33209	2511	6788	39019	6384	55486	-	27066	-
	Total	919719 (19%)	160896 (26%)	37908 (88%)	3893 (65%)	119095 (6%)	48773 (80%)	50273 (13%)	431593 (13%)	3498	208016 (13%)	16670
Any age	Sm.	243489	69940	56039	3892	10009	48921	8360	74891	-	41377	-
	Total	1225773 (20%)	267009 (26%)	65052 (86%)	6313 (62%)	195644 (5%)	62009 (79%)	58354 (14%)	503631 (15%)	9003	279183 (15%)	46584

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
POPULATION (1000s; UN, 2002 revision)														
1995		137507	68482	55061	11522	10475	9141	7209	5916	5416	5382	5027	3941	4997
2000		145068	69474	60452	11471	11560	10437	9060	7090	5720	5115	4902	4318	5922
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995		1139173	43508	262371	14148	17991	23014	29064	37793	55429	84932	121957	151144	560193
2000		1225773	38281	267773	12888	19613	25711	34232	42326	55199	77804	115997	164373	639349
Lung cancer														
1995		59344	131	26802	345	725	1682	2987	4549	6826	9688	11257	9681	11473
2000		65052	105	27039	294	920	1680	3112	4907	6877	9249	11627	11579	14702
ANNUAL DEATH RATE / 100,000		(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)												
All causes														
1995		624.7*	61.9*	598.5*	122.8	171.8	251.8	403.2	638.8	1023.4	1578.1	2426.2	3835.7	11211.5
2000		599.9*	55.2*	569.9*	112.4	169.7	246.4	377.8	596.9	965.1	1521.2	2366.4	3806.8	10796.3
All cancer														
1995		162.3*	5.3*	239.0*	31.2	55.7	103.8	178.8	283.2	422.4	598.1	790.9	983.7	1419.1
2000		153.2*	4.9*	220.9*	27.6	52.0	91.6	157.4	254.1	394.4	569.2	771.7	981.3	1362.7
Lung cancer														
1995		39.3*	0.2*	64.7*	3.0	6.9	18.4	41.4	76.9	126.0	180.0	223.9	245.7	229.6
2000		39.2*	0.1*	61.6*	2.6	8.0	16.1	34.3	69.2	120.2	180.8	237.2	268.2	248.3
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995		3.9*	0.1*	6.0*	0.4	0.8	1.9	4.0	7.3	11.6	16.2	19.5	22.7	34.4
2000		3.6*	0.1*	5.3*	0.3	0.7	1.9	3.5	5.8	9.6	15.1	19.9	22.9	32.6
Other cancer														
1995		119.1*	5.0*	168.3*	27.7	48.0	83.5	133.4	199.0	284.7	401.9	547.4	715.4	1155.1
2000		110.4*	4.7*	154.0*	24.7	43.3	73.6	119.5	179.1	264.6	373.3	514.6	690.2	1081.9
Chronic obstructive pulmonary disease (COPD)														
1995		27.6*	0.5*	29.9*	1.3	2.9	5.1	12.9	28.3	55.4	103.1	162.1	238.8	379.2
2000		31.1*	0.4*	30.9*	1.4	2.8	5.4	11.4	27.0	57.0	111.2	189.0	278.0	464.4
Other respiratory disease														
1995		28.6*	1.7*	15.6*	3.2	4.5	5.9	9.8	15.4	25.6	45.2	87.4	173.3	801.5
2000		25.2*	1.4*	15.5*	2.8	4.1	6.0	9.3	15.1	25.7	45.7	82.8	161.1	662.9
Vascular disease														
1995		251.1*	4.1*	176.4*	18.2	31.0	53.9	99.4	175.9	316.6	539.7	930.1	1689.7	6260.8
2000		221.6*	3.8*	154.9*	17.5	31.4	51.2	87.4	151.5	272.2	473.2	813.5	1515.3	5509.9
Liver cirrhosis														
1995		6.1*	0.3*	10.9*	3.6	5.6	7.5	9.4	13.0	16.9	20.3	22.7	26.1	23.5
2000		5.8*	0.2*	10.3*	3.2	5.9	8.1	8.8	12.0	15.0	18.9	22.4	24.9	22.4
Other medical causes														
1995		120.3*	29.3*	99.1*	37.4	44.2	50.7	67.7	98.2	157.7	237.9	384.8	653.7	2139.6
2000		135.0*	26.4*	108.4*	31.1	43.2	55.6	76.6	110.9	171.7	269.6	440.6	775.9	2582.2
All non-medical causes														
1995		28.6*	20.7*	27.6*	27.9	27.8	24.8	25.3	24.8	28.7	33.7	48.2	70.3	187.7
2000		28.0*	18.1*	29.0*	28.8	30.2	28.5	26.8	26.3	29.0	33.3	46.4	70.4	191.8

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

UNITED STATES: 2000

Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 74	– / 38	–
35–69	119 / 405	73 / 268	23 years
70+	150 / 699	170 / 920	8 years
All ages	269 / 1178	243 / 1226	14 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

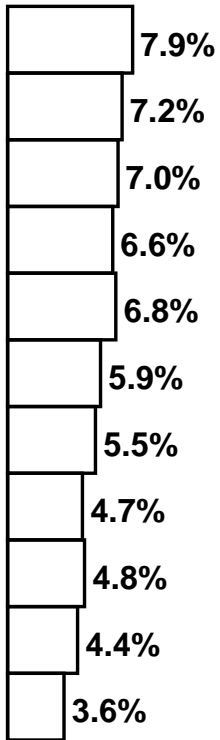
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.1	37/41	45/50	82/90	–/0.1	23/27	33/38	56/65
All Cancer	–/3.7	52/117 (45%)	63/166 (38%)	115/286	–/3.4	27/103 (27%)	43/161 (26%)	70/267
Vascular	–/3.9	34/132	35/302	69/438	–/2.6	19/69	55/432	75/504
Respiratory	–/1.5	13/23	38/86	51/111	–/1.2	12/20	45/99	57/120
All Other	–/65	20/133	14/145	34/343	–/31	14/76	27/228	41/335
All Causes	–/74	119/405 (29%)	150/699 (22%)	269/1178	–/38	73/268 (27%)	170/920 (19%)	243/1226

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	115 / 286 (40%)	70 / 267 (26%)	185 / 553 (34%)
All Causes	269 / 1178 (23%)	243 / 1226 (20%)	512 / 2403 (21%)

1950-2000: UNITED STATES

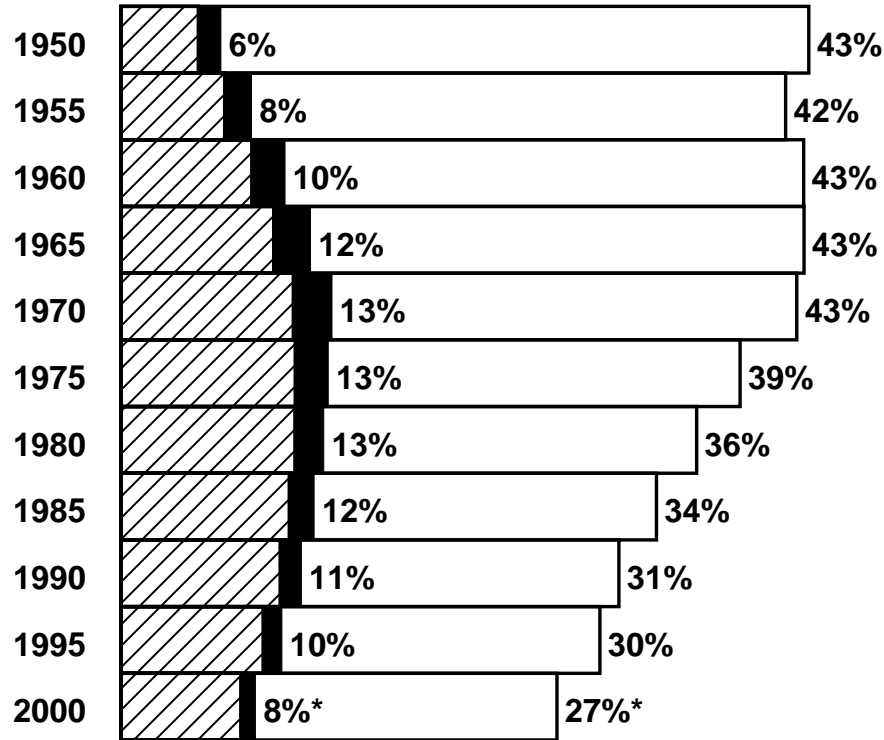
Population risk of dying at ages 0-34



Population risk of dying from smoking (shaded + black) and from any cause, at ages 35-69

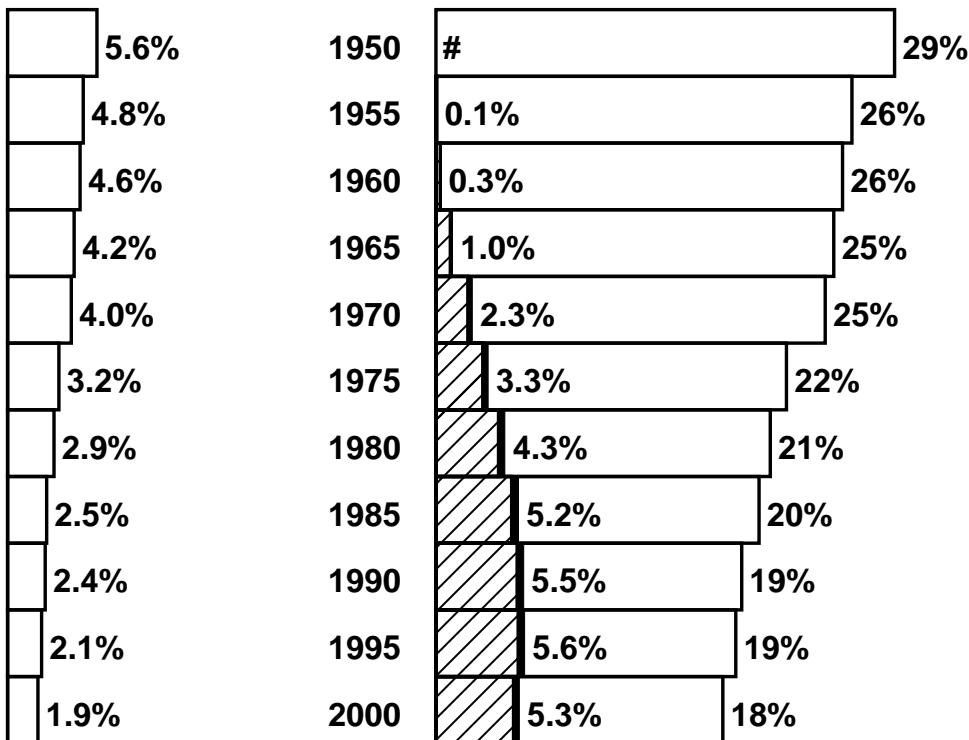
Most of those killed by smoking (shaded area) would otherwise have survived to age 70, but a minority (black area) would not

MALE



*At year 2000 male death rates, out of 100 men aged 35, 27 would die before age 70 (with 8 of these deaths attributed to smoking)

FEMALE



Real risk too low to estimate reliably

UNITED STATES: 1950-2000

Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	-/122	62/398 (16%)	8.2/308 (3%)	70/828	-/85	0.0/248	0.0/292	0.0/625
1955	-/119	83/403 (20%)	17/350 (5%)	99/873	-/79	0.7/241 (0.3%)	0.0/336	0.7/656
1960	-/123	109/439 (25%)	30/413 (7%)	139/976	-/81	3.6/254 (1%)	0.0/401	3.6/736
1965	-/118	131/460 (28%)	47/458 (10%)	178/1035	-/74	12/265 (5%)	0.8/454 (0.2%)	13/793
1970	-/119	153/482 (32%)	66/477 (14%)	219/1078	-/68	27/276 (10%)	6.5/498 (1%)	34/843
1975	-/109	155/457 (34%)	83/485 (17%)	237/1051	-/56	40/262 (15%)	15/524 (3%)	55/842
1980	-/110	155/439 (35%)	104/526 (20%)	259/1075	-/54	54/261 (21%)	37/600 (6%)	91/915
1985	-/98	152/425 (36%)	122/575 (21%)	274/1098	-/48	66/261 (25%)	65/680 (10%)	131/989
1990	-/103	147/415 (35%)	133/595 (22%)	280/1113	-/48	72/257 (28%)	102/730 (14%)	174/1035
1995	-/93	137/423 (32%)	145/657 (22%)	282/1173	-/44	74/262 (28%)	141/833 (17%)	216/1139
2000	-/74	119/405 (29%)	150/699 (22%)	269/1178	-/38	73/268 (27%)	170/920 (19%)	243/1226

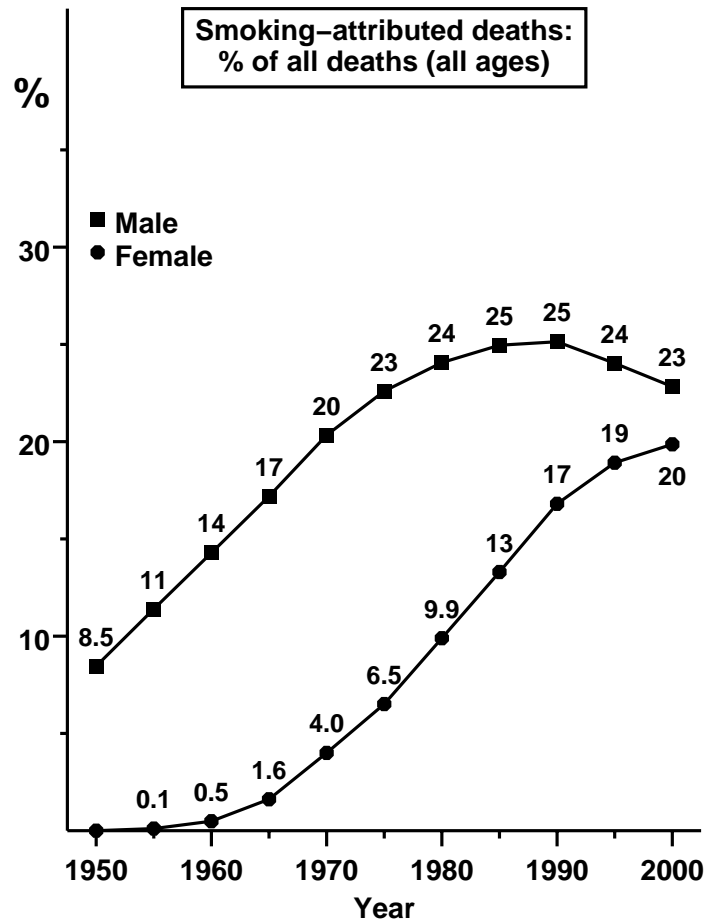
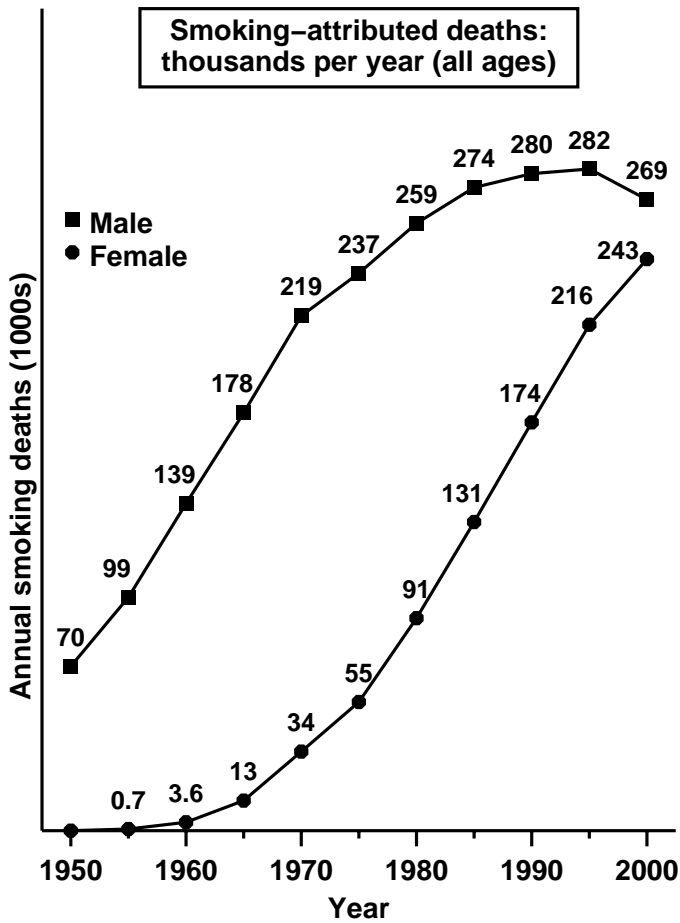
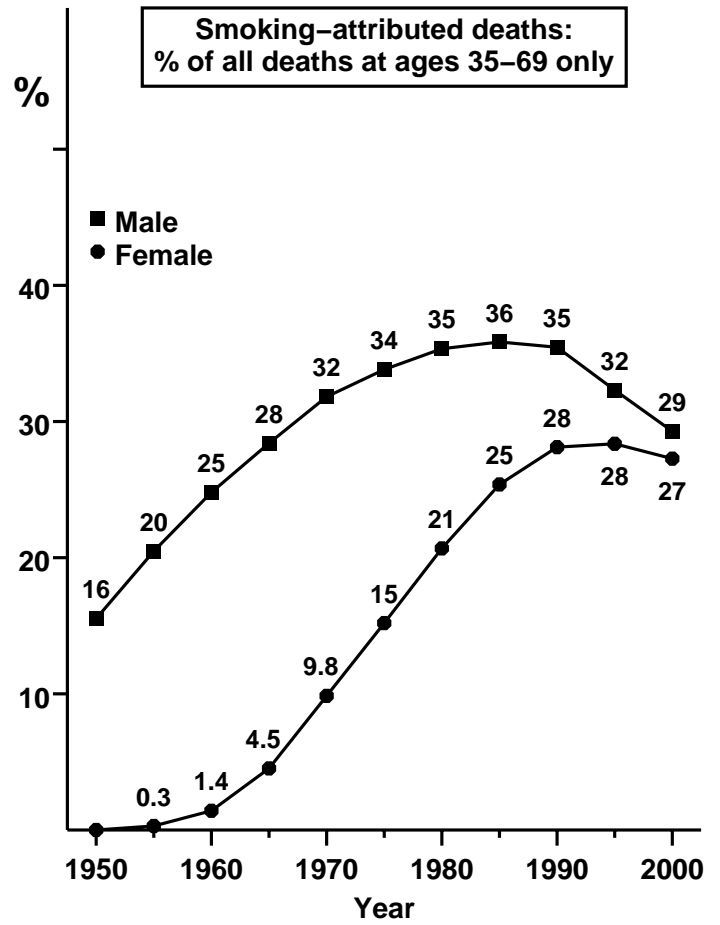
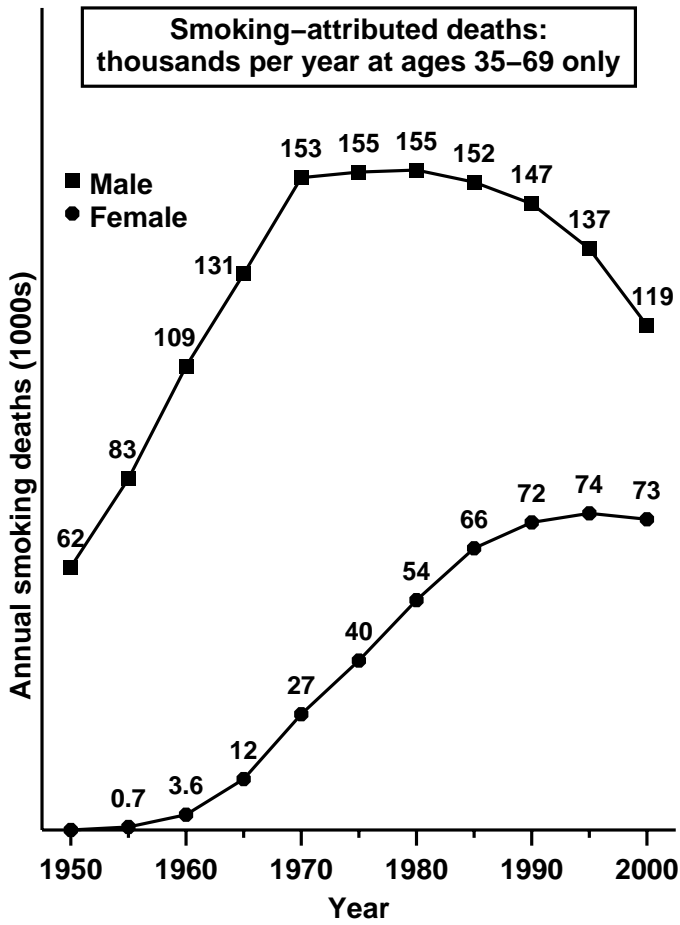
50-year total* (M=millions), mid-1950 to mid-2000: 15/ 96M

1950-2000 by age & sex:

-/5.4M	6.6/22M (30%)	4.1/25M (16%)	11/52M	-/3.0M	1.9/13M (15%)	2.2/28M (8%)	4.2/44M
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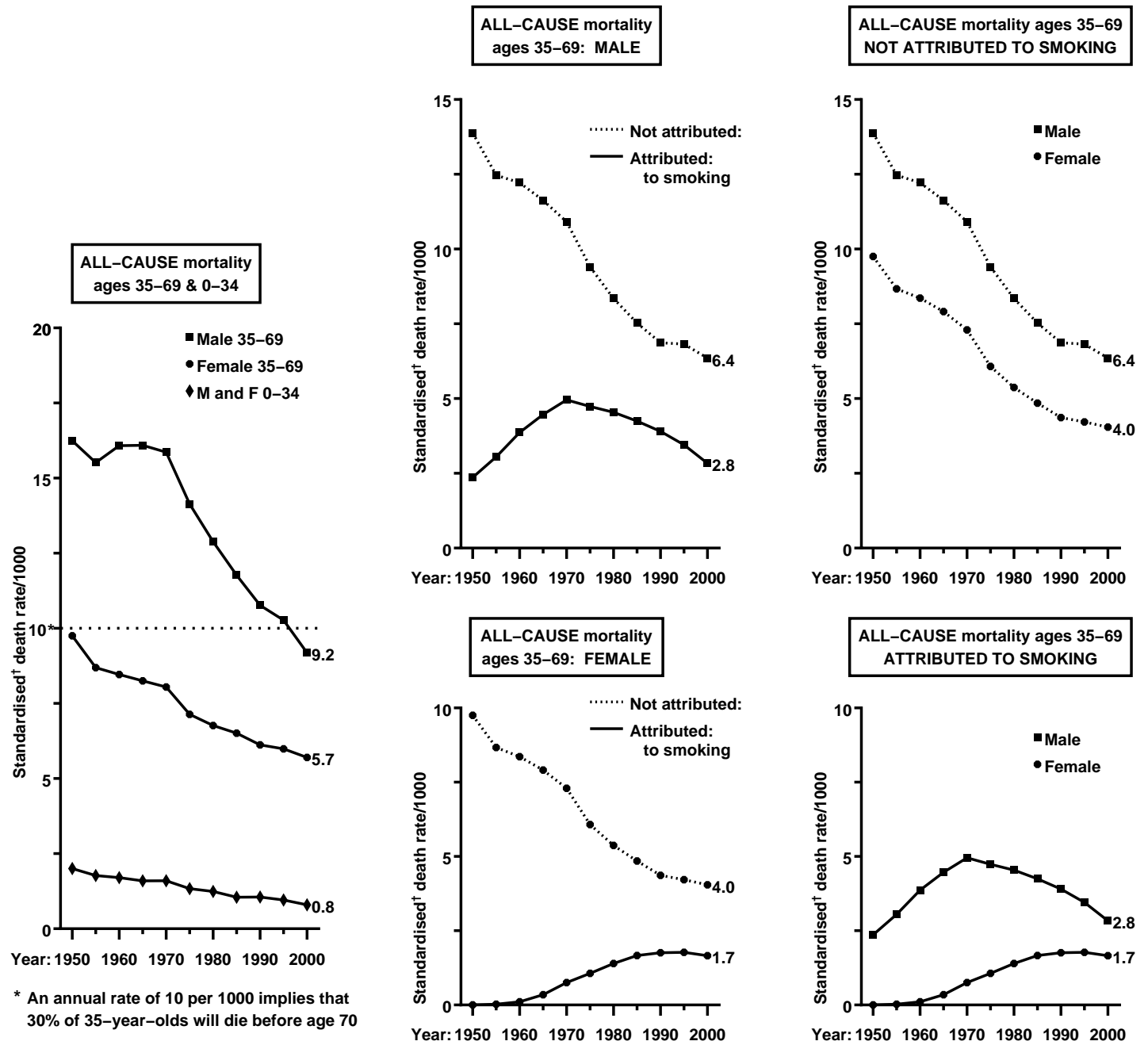
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1950-2000: UNITED STATES



UNITED STATES: 1950-2000

Trends in ALL-CAUSE mortality attributed and not attributed to smoking



* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

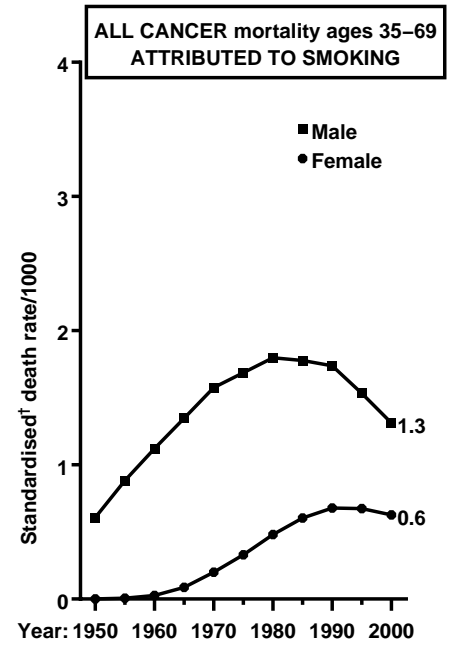
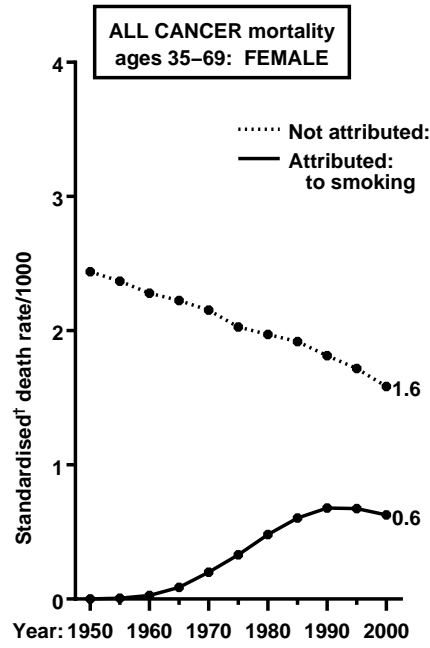
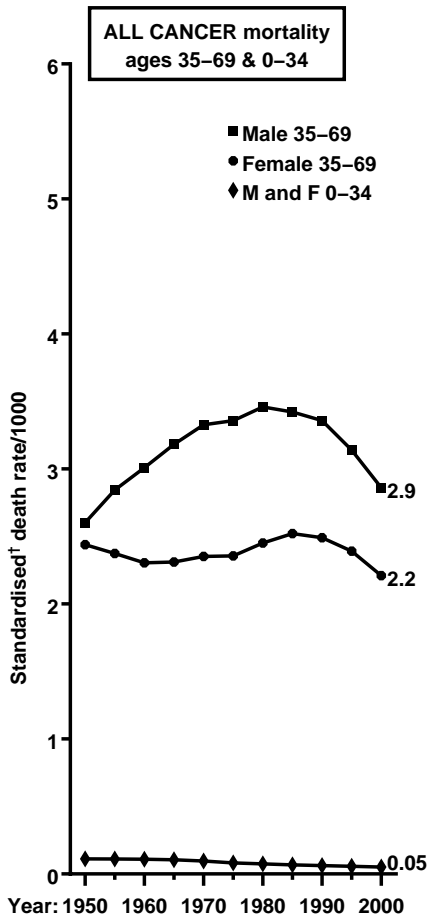
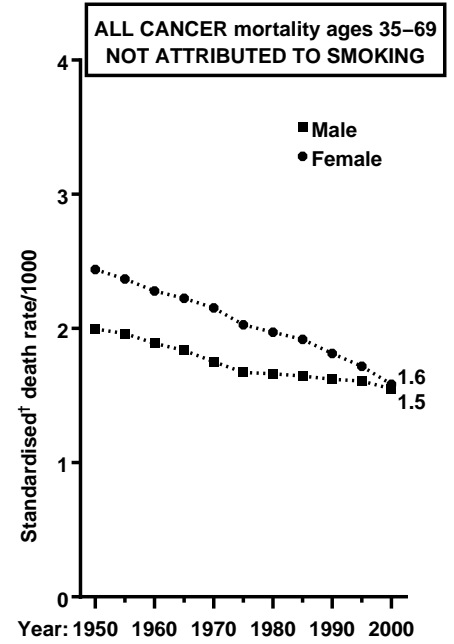
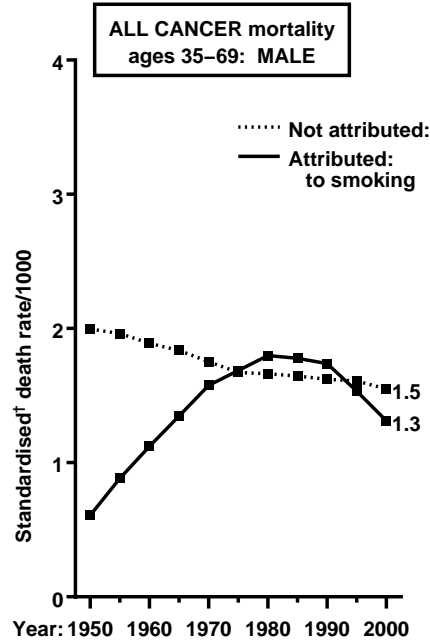
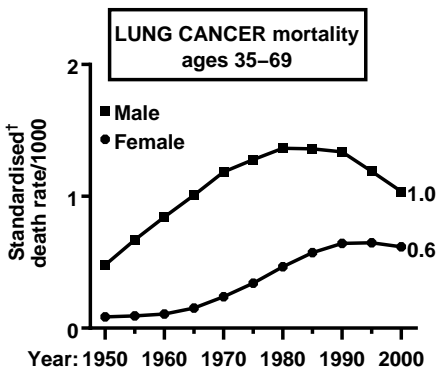
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?	0-34		35-69		70-79		Yes	No	Yes	No	Yes	No			
		Yes	No	Yes	No	Yes	No									
1950	-	2.35	2.36	13.9	2.23	71.1	-	1.66	0.00	9.75	0.00	54.2				
1955	-	2.14	3.05	12.5	3.91	66.7	-	1.40	0.02	8.67	0.00	48.7				
1960	-	2.06	3.86	12.2	6.21	65.9	-	1.34	0.10	8.36	0.00	46.2				
1965	-	1.96	4.46	11.6	8.66	62.7	-	1.22	0.34	7.91	0.14	42.7				
1970	-	2.02	4.95	10.9	11.3	58.7	-	1.17	0.75	7.29	0.70	39.7				
1975	-	1.72	4.73	9.40	13.3	52.9	-	0.94	1.06	6.07	1.49	35.0				
1980	-	1.63	4.54	8.34	14.2	48.2	-	0.85	1.39	5.37	2.90	31.5				
1985	-	1.38	4.24	7.52	14.2	44.2	-	0.71	1.66	4.84	4.48	28.8				
1990	-	1.42	3.90	6.86	13.5	38.7	-	0.69	1.76	4.36	6.02	25.4				
1995	-	1.29	3.45	6.82	12.7	36.3	-	0.62	1.77	4.22	7.12	24.2				
2000	-	1.03	2.83	6.35	11.7	33.9	-	0.55	1.66	4.04	7.70	23.2				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: UNITED STATES

Trends in ALL CANCER mortality attributed and not attributed to smoking



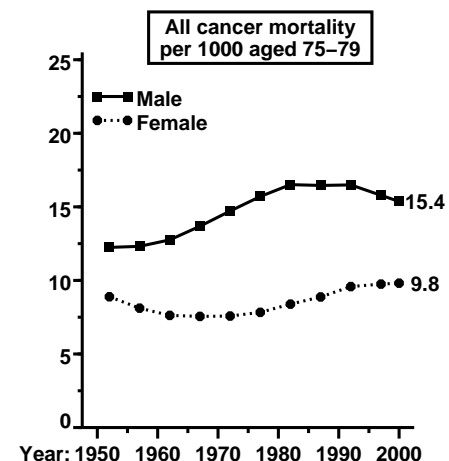
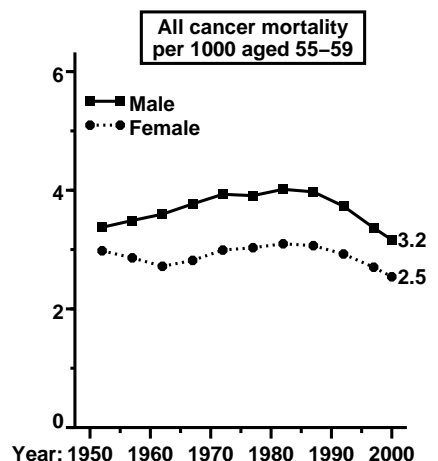
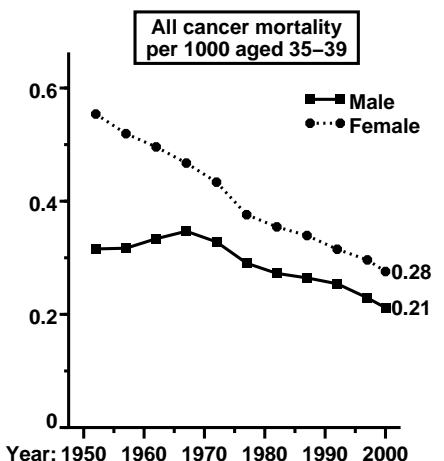
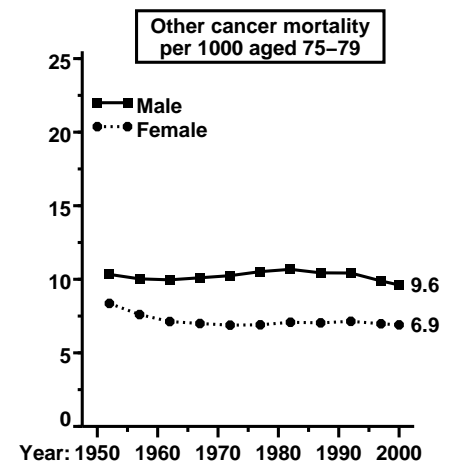
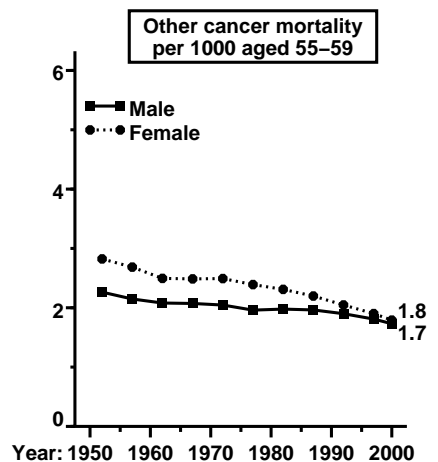
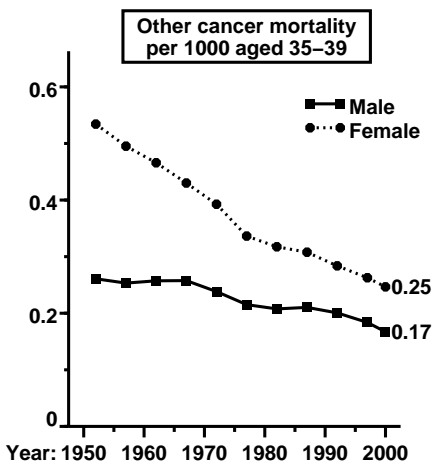
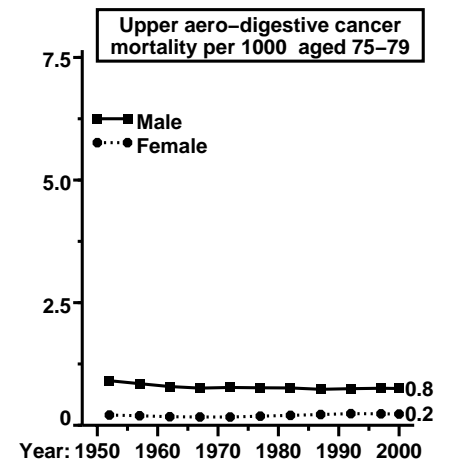
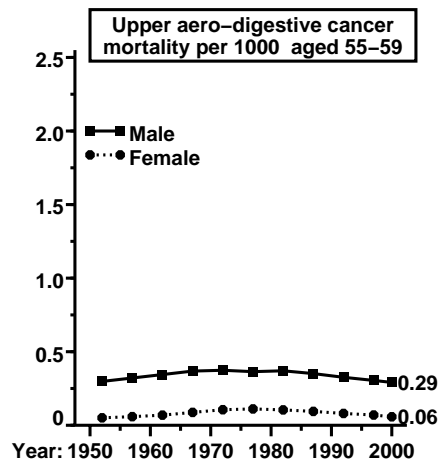
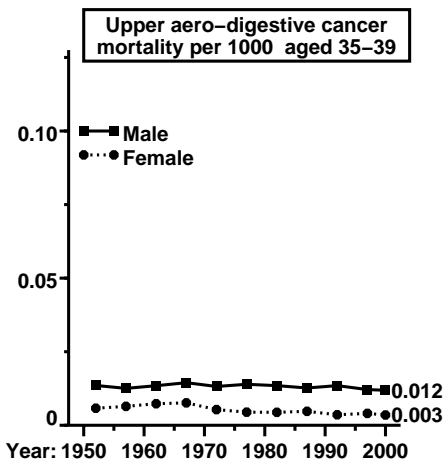
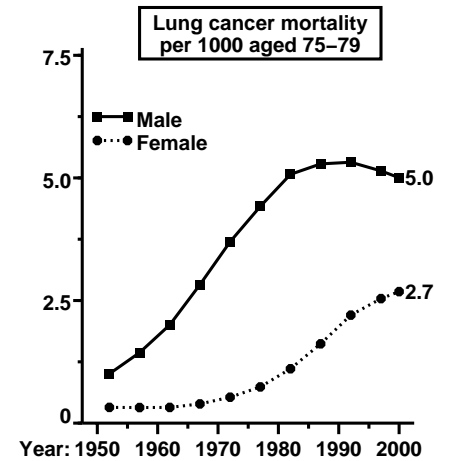
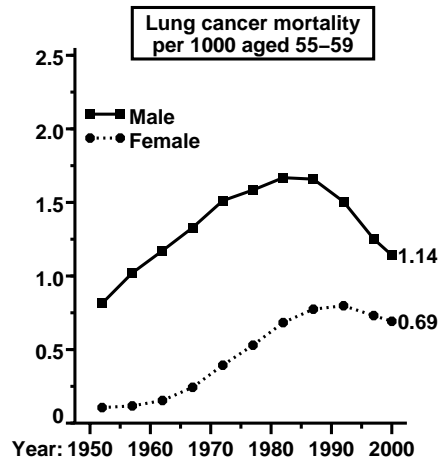
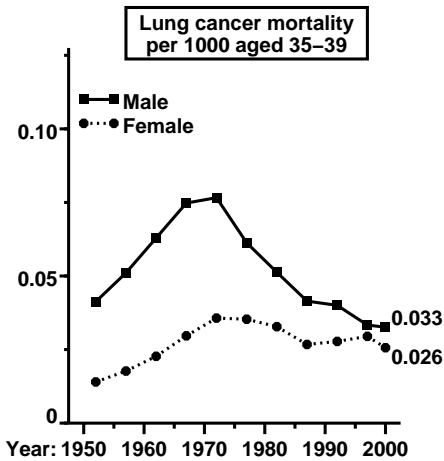
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?	0-34		35-69		70-79		0-34		35-69		70-79				
		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No			
1950	-	0.11	0.61	1.99	0.83	9.79	-	0.11	0.00	2.44	0.00	7.91				
1955	-	0.11	0.88	1.96	1.48	9.60	-	0.11	0.01	2.37	0.00	7.54				
1960	-	0.11	1.12	1.89	2.22	9.22	-	0.10	0.03	2.28	0.00	7.02				
1965	-	0.11	1.35	1.84	3.09	8.95	-	0.10	0.09	2.22	0.03	6.80				
1970	-	0.10	1.57	1.75	4.13	8.67	-	0.09	0.20	2.15	0.18	6.68				
1975	-	0.09	1.69	1.67	5.13	8.77	-	0.08	0.33	2.03	0.41	6.71				
1980	-	0.08	1.80	1.66	5.98	8.68	-	0.07	0.48	1.97	0.89	6.58				
1985	-	0.07	1.78	1.64	6.18	8.48	-	0.06	0.60	1.92	1.41	6.54				
1990	-	0.06	1.74	1.62	6.31	8.40	-	0.06	0.68	1.81	2.08	6.44				
1995	-	0.06	1.53	1.61	6.12	8.17	-	0.05	0.67	1.72	2.52	6.36				
2000	-	0.05	1.31	1.55	5.71	7.79	-	0.05	0.63	1.58	2.71	6.05				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

UNITED STATES: 1950-2000

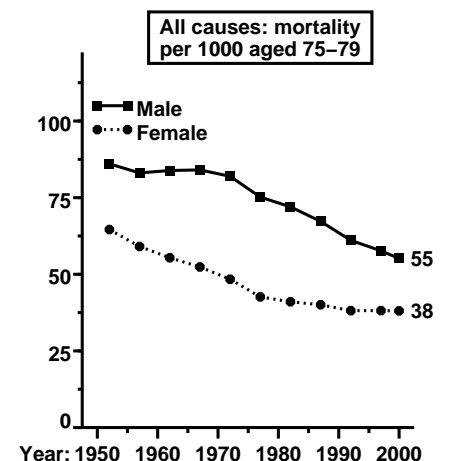
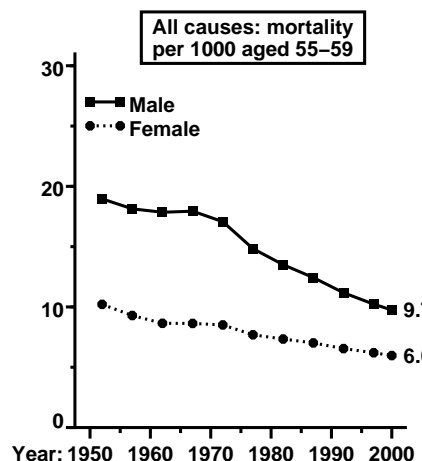
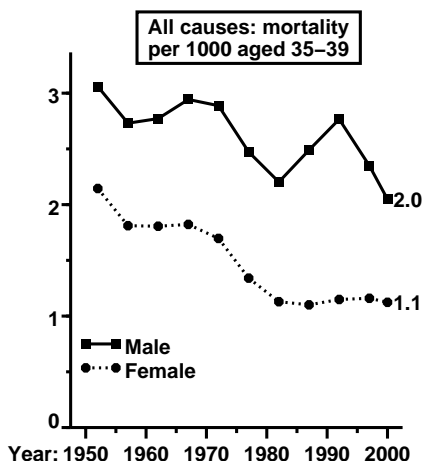
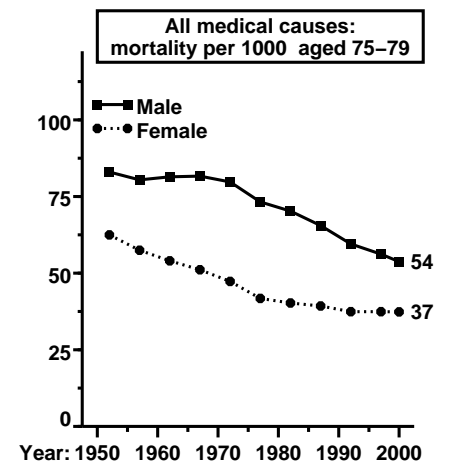
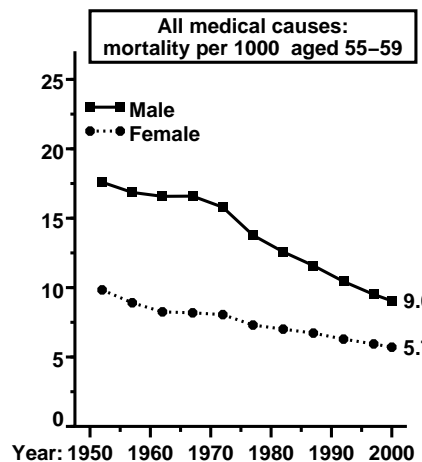
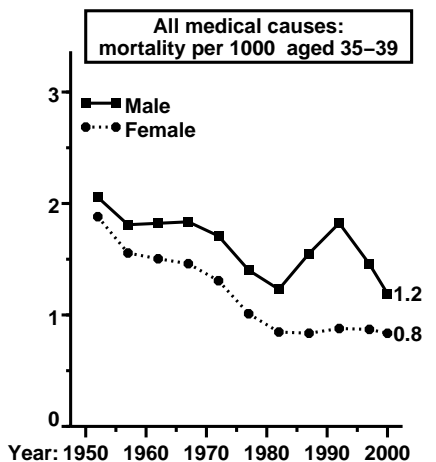
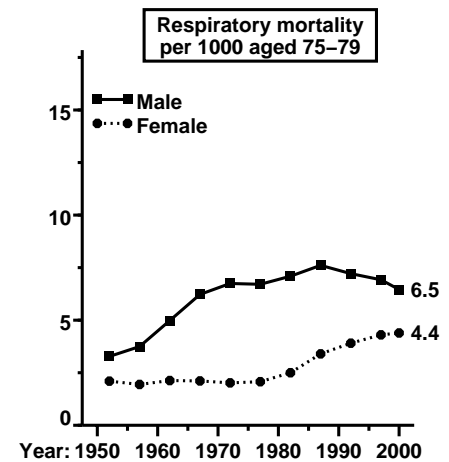
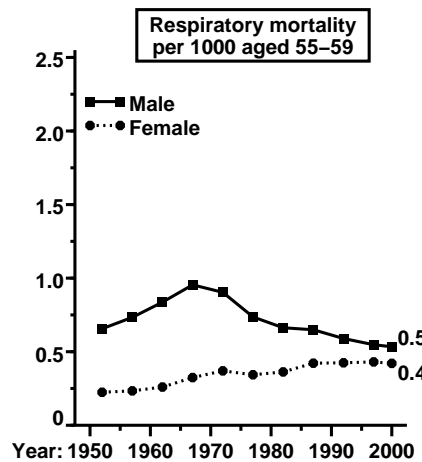
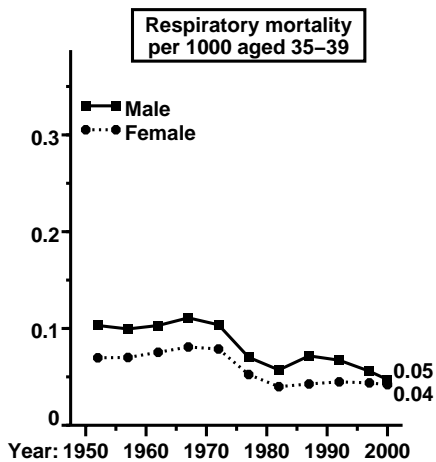
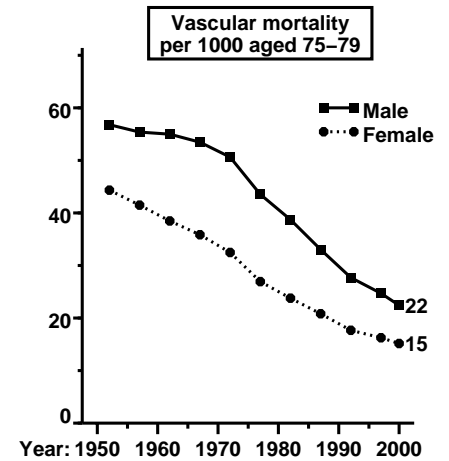
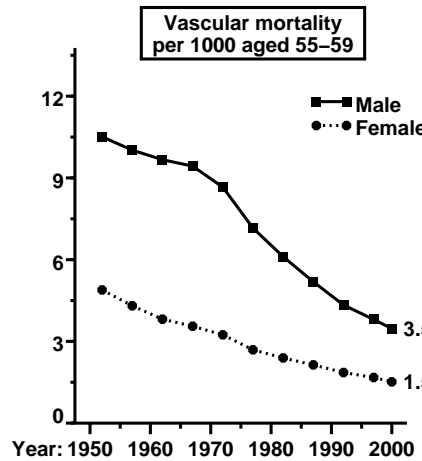
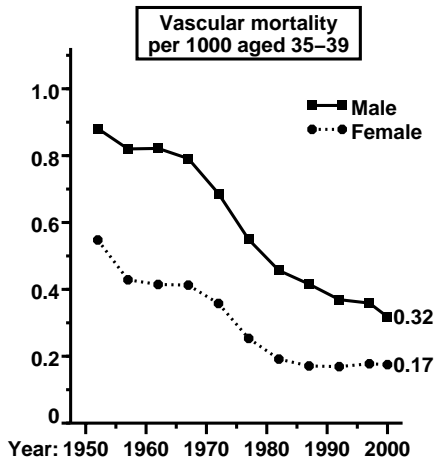
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

1950-2000: UNITED STATES

Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately