CENTER FOR PUBLIC OPINION

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UMass Lowell
Survey of California Democratic Primary Voters

Field Dates: February 12-20, 2020

N=450 California Democratic Primary Likely Voters
Adjusted Margin of Error: +/- 6.7%
Margin of error has been adjusted to include for design effects
resulting from weighting and survey design features

Methodology in Brief

This poll was independently funded by the University of Massachusetts Lowell, designed and analyzed by the Center for Public Opinion. Data was collected by YouGov, an online polling organization. Respondents were selected from YouGov and three other online panels. YouGov interviewed 879 eligible respondents who were then matched down to a sample of 450 to produce the final dataset. The respondents were matched to a sampling frame on gender, age, race, and education based on known characteristics of Democratic Party primary voters from the California voter file and the 2018 Cooperative Congressional Election Study. The matched cases were weighted to the sampling frame using propensity scores. The matched cases and the frame were combined and a logistic regression was estimated for inclusion in the frame. The propensity score function included age, gender, race/ethnicity, years of education, and region. The propensity scores were grouped into deciles of the estimated propensity score in the frame and post-stratified according to these deciles. The weights were then post-stratified on past primary election behavior, and age x gender stratification of Democratic Primary voters from the California voter file to produce the final weight.

UMass Lowell is a public institution and releases surveys as a source of public information. We offer a complete methodology report in adherence with standards of the AAPOR Transparency Initiative, as well an extensive set of crosstabs. Our goal is complete transparency in the reporting of our findings. If there is something you do not see here, but wish you did, please contact Director, Dr. Joshua J. Dyck (joshua_dyck@uml.edu; @drjjdyck) or Associate Director, Dr. John Cluverius (john_cluverius@uml.edu; @JohnCluverius).

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*indicates <.5%; some numbers do not sum to 100 due to rounding

ASKED OF ALL LIKELY VOTERS
PRIMARY PREFERENCE

UML905 If your state's presidential primary was being held today, for whom would you vote? [candidate names were randomized]

UML905a Do you lean more towards one candidate?

13% Joe Biden
12 Michael Bloomberg
12 Pete Buttigieg
4 Tulsi Gabbard
7 Amy Klobuchar
24 Bernie Sanders
2 Tom Steyer
16 Elizabeth Warren
3 Another candidate
6 Undecided

	Party ID Leaned		Party ID Unleaned	
	Democrat	Independent	Democrat	Independent
Biden	16	5	18	8
Bloomberg	10	17	9	18
Buttigieg	12	13	11	13
Gabbard	0	18	0	12
Klobuchar	8	6	7	7
Sanders	27	12	29	14
Steyer	3	0	3	1
Warren	19	5	19	12
Another candidate	2	5	3	4
Undecided	3	18	2	12

	Income			Education		Race		
	Below $50K	$50k-$100k	$100k & up	No 4-Yr. Degree	4-Year Degree	White	Hispanic	Other
Biden	17	15	7	18	8	6	15	27
Bloomberg	10	11	12	6	18	13	3	21
Buttigieg	5	22	10	15	9	15	13	5
Gabbard	1	9	4	1	8	9	0	0
Klobuchar	7	3	11	6	9	10	5	4
Sanders	36	19	15	29	19	21	32	20
Steyer	3	3	0	2	2	2	2	2
Warren	14	12	27	13	18	18	16	11
Another candidate	5	0	1	5	0	0	10	0
Undecided	3	6	13	5	8	6	4	9

	Gender		Age		Ideology		
	Male	Female	18-44	45+	Liberal	Moderate	Conservative
Biden	12	14	15	13	10	21	7
Bloomberg	11	13	5	16	7	15	18
Buttigieg	15	10	13	12	14	16	0
Gabbard	9	1	0	7	0	2	19
Klobuchar	8	6	7	7	8	8	4
Sanders	23	25	31	20	27	19	25
Steyer	2	2	1	2	4	1	0
Warren	12	18	22	12	24	9	7
Another candidate	1	5	4	2	3	5	0
Undecided	8	5	2	9	1	5	19

UML906 We know that presidential primary candidates can end their campaigns suddenly. If [CANDIDATE_NAME] were to drop out of the race before you were able to vote, who would plan to vote for?

14% Joe Biden
11 Michael Bloomberg
10 Pete Buttigieg
3 Tulsi Gabbard
17 Amy Klobuchar
11 Bernie Sanders
4 Tom Steyer
16 Elizabeth Warren
4 Another candidate
11 Undecided

	Party ID Leaned		Party ID Unleaned	
	Democrat	Independent	Democrat	Independent
Biden	14	15	15	13
Bloomberg	13	2	13	7
Buttigieg	10	8	10	9
Gabbard	1	9	1	6
Klobuchar	15	24	15	21
Sanders	12	9	12	10
Steyer	3	7	3	4
Warren	18	5	20	8
Another candidate	4	4	3	4
Undecided	9	18	8	17

	Income			Education		Race		
	Below $50K	$50k-$100k	$100k & up	No 4-Yr. Degree	4-Year Degree	White	Hispanic	Other
Biden	15	20	9	15	14	13	19	11
Bloomberg	13	10	12	12	11	13	5	15
Buttigieg	7	7	16	9	10	11	10	7
Gabbard	1	4	4	4	2	2	6	1
Klobuchar	17	12	16	15	18	19	17	13
Sanders	7	16	13	12	10	12	12	8
Steyer	4	3	5	2	5	6	0	4
Warren	21	13	14	18	13	11	16	26
Another candidate	7	4	1	4	4	2	7	3
Undecided	7	11	11	9	13	12	9	12

	Gender		Age		Ideology		
	Male	Female	18-44	45+	Liberal	Moderate	Conservative
Biden	17	12	19	12	8	18	26
Bloomberg	9	13	11	11	12	13	0
Buttigieg	10	9	9	10	12	6	14
Gabbard	4	2	5	2	0	5	7
Klobuchar	18	16	10	21	15	16	29
Sanders	12	11	12	11	16	9	4
Steyer	5	3	3	4	1	6	5
Warren	15	16	20	13	24	9	5
Another candidate	4	3	5	3	3	5	5
Undecided	5	15	8	13	10	12	5

UML931 Will you definitely vote for [candidate named] in the [state] presidential primary or is there a chance you could change your mind and vote for someone else?

68% Definitely vote for [candidate named]
32 Could change mind

	Candidate			
	Biden	Bloomberg	Buttigieg	Gabbard
Definitely vote for	65	68	40	93
Could change mind	35	32	60	7

	Candidate			
	Klobuchar	Sanders	Steyer	Warren
Definitely vote for	49	81	50	74
Could change mind	51	19	50	26

	Party ID Leaned		Party ID Unleaned	
	Democrat	Independent	Democrat	Independent
Definitely vote for	68	68	68	67
Could change mind	32	32	32	33

	Income			Education		Race		
	Below $50K	$50k-$100k	$100k & up	No 4-Yr. Degree	4-Year Degree	White	Black	Other
Definitely vote for	65	73	62	67	68	64	71	71
Could change mind	35	27	38	33	32	36	29	29

	Gender		Age		Ideology		
	Male	Female	18-44	45+	Liberal	Moderate	Conservative
Definitely vote for	61	72	67	68	64	60	95
Could change mind	39	28	33	32	36	40	5

UML928 Who do you think will eventually win the Democratic nomination?

14% Joe Biden
12 Michael Bloomberg
6 Pete Buttigieg
0 Tulsi Gabbard
2 Amy Klobuchar
31 Bernie Sanders
* Tom Steyer
5 Elizabeth Warren
2 Someone else
28 Undecided

	Party ID Leaned		Party ID Unleaned	
	Democrat	Independent	Democrat	Independent
Biden	16	9	18	9
Bloomberg	13	10	12	12
Buttigieg	4	11	4	8
Klobuchar	1	2	1	3
Sanders	33	26	34	27
Steyer	1	0	1	0
Warren	6	0	6	2
Someone else	0	6	0	4
Undecided	26	35	23	35

	Income			Education		Race		
	Below $50K	$50k-$100k	$100k & up	No 4-Yr. Degree	4-Year Degree	White	Black	Other
Biden	20	13	8	17	10	8	20	19
Bloomberg	7	13	13	8	16	12	5	20
Buttigieg	2	7	11	7	5	10	3	3
Klobuchar	1	2	3	0	3	2	1	2
Sanders	37	33	29	32	31	30	40	23
Steyer	0	0	3	0	2	2	0	0
Warren	5	4	6	4	5	5	7	1
Someone else	2	0	0	3	0	0	5	1
Undecided	26	28	26	29	27	32	19	31

	Gender		Age		Ideology		
	Male	Female	18-44	45+	Liberal	Moderate	Conservative
Biden	14	14	19	11	10	18	18
Bloomberg	11	12	10	13	10	13	13
Buttigieg	8	5	4	8	5	7	4
Klobuchar	1	2	1	2	1	3	0
Sanders	33	31	34	30	34	24	42
Steyer	0	1	2	0	0	0	4
Warren	6	4	9	2	6	5	1
Someone else	1	3	1	2	0	5	0
Undecided	27	28	21	32	33	25	19

UML908 Do you approve or disapprove of the way Donald Trump is handling his job as president?

19% Approve
81 Disapprove

	Party ID Leaned		Party ID Unleaned	
	Democrat	Independent	Democrat	Independent
Approve	10	45	11	35
Disapprove	90	55	89	65

	Income			Education		Race		
	Below $50K	$50k-$100k	$100k & up	No 4-Yr. Degree	4-Year Degree	White	Hispanic	Other
Approve	13	21	23	18	20	14	31	11
Disapprove	87	79	77	82	80	86	69	89

	Gender		Age		Ideology		
	Male	Female	18-44	45+	Liberal	Moderate	Conservative
Approve	20	17	17	19	4	20	56
Disapprove	80	83	83	81	96	80	44

UML959-UML968 We'd like to ask you about how you feel about a number of national political figures. Please let us know if overall, you have a favorable or unfavorable impression of them. Select no opinion if you are undecided about that person, and "never heard of" if you've never heard of him or her.

	Favorable	Unfavorable	No Opinion	Never heard of
Donald Trump	15	79	6	*
Hillary Clinton	57	30	13	*
Barack Obama	80	15	5	*
Joe Biden	61	25	13	*
Michael Bloomberg	45	34	21	*
Pete Buttigieg	56	20	22	2
Amy Klobuchar	54	11	25	4
Bernie Sanders	63	30	7	*
Tom Steyer	40	26	29	5
Elizabeth Warren	64	22	13	*