

RESEARCH FELLOW

Monash University Health Economics Group

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Qualifications _____

Monash University

Melbourne, Australia

PHD CANDIDATE 2022 - Present

National University of Ireland Galway

MSc - Health Economics (First Class Grade Average) 2013

University of Limerick

Limerick, Ireland

BBS - Economics & Accountancy with French

Employment and Appointments

RESEARCH AND DEVELOPMENT MANAGER - PREVENTATIVE MENTAL HEALTH

Monash University

Melbourne Australia

RESEARCH FELLOW August 2023 - Present

Orygen Melbourne Australia

SENIOR POLICY ANALYST, LECTURER IN HEALTH ECONOMICS AND LEAD - HEALTH ECONOMICS

April 2015 - June 2023

University of Manchester Manchester, UK

HONORARY SENIOR LECTURER IN POPULATION HEALTH, HEALTH SERVICES RESEARCH AND PRIMARY CARE October 2018 - October 2018

University of Manchester Manchester, UK

RESEARCH ASSOCIATE - HEALTH ECONOMICS October 2013 - March 2015

Leading Edge Group Cobh, Ireland

CONSULTANT AND COURSE DIRECTOR- HEALTH ECONOMICS AND POLICY

April 2012 - Present

UnitingCare NSW.ACT Sydney, Australia

Orygen Youth Health Research Centre

Melbourne, Australia

SENIOR POLICY ADVISER

March 2010 - March 2012

Fundacion Rose, Trust for the Americas and Footprint Travel Guide Central America and Caribbean

Teacher, Consultant and Researcher

January 2008 - March 2010

The One Foundation Dublin, Ireland

PORTFOLIO MANAGER - MENTAL HEALTH September 2005 - August 2007

 Orygen Youth Health Research Centre
 Melbourne, Australia

Policy Analyst January 2004 - June 2005

The Wheel Dublin, Ireland

Head of Policy, Research & Communications

September 2001 - September 2003

Silver Apples Media Dublin, Ireland

Co-Founder and Director of Finance and Operations

October 1998 - March 2001

Peer-reviewed publications _____

Inequalities in access to mental health treatment by Australian youths during the COVID-19 pandemic

CX Gao, LP McDonald, MP Hamilton, K Simons, JM Menssink, K Filia, ...

Implementing a combined individual placement and support and vocational peer work

MB SIMMONS, G CHINNERY, S WHITSON, S BOSTOCK, J BRAYBROOK, M HAMILTON, ...

program in integrated youth mental health settings

Psychiatric Services

July 2013 - September 2013

Galway, Ireland

2023 - 7 cites

Early Intervention in Psychiatry

2023 - 7 cites

Mental health systems modelling for evidence-informed service reform in Australia	Australian & New Zealand Journal of Psychiatry
H Whiteford, N Bagheri, S Diminic, J Enticott, CX Gao, M Hamilton,	2023 - 6 cites
Accelerating youth mental health services research	Australasian Psychiatry
SM COTTON, KM FILIA, MP HAMILTON, CX GAO, JM MENSSINK, N TELFORD,	2023 - 2 cites
Response to Allison et al.(2022)'Headspace early intervention for psychosis in Australia: Is it still a "best buy"?'	Australasian Psychiatry
E Brown, E Killackey, M Hamilton, A Thompson, P McGorry	2023 - 1 cites
Social inclusion, intersectionality, and profiles of vulnerable groups of young people seeking mental health support	Social Psychiatry and Psychiatric Epidemiology
K Filia, J Menssink, CX Gao, D Rickwood, M Hamilton, SE Hetrick,	2022 - 19 cites
Study protocol for the Multimodal Approach to Preventing Suicide in Schools (MAPSS) project: a regionally based randomised trial of an integrated response to suicide risk among	Trials
SJ Byrne, E Bailey, M Lamblin, S McKay, J Pirkis, C Mihalopoulos,	2022 - 4 cites
Heterogeneity of quality of life in young people attending primary mental health services	Epidemiology and Psychiatric Sciences
SM COTTON, MP HAMILTON, K FILIA, JM MENSSINK, L ENGEL, C MIHALOPOULOS,	2022 - 3 cites
Providing a pathway to community-based psychosocial or mental health support services for young people following initial encounters with police: A scoping review	Current Issues in Criminal Justice
D Baker, K Fisher, M Hamilton, S Rice, R Purcell	2022 - 2 cites
Identifying and managing psoriasis-associated comorbidities: the IMPACT research programme	
L Cordingley, PA Nelson, L Davies, D Ashcroft, C Bundy,	2022 - 2 cites
Multi-route respiratory infection: when a transmission route may dominate CX Gao, Y Li, J Wei, S Cotton, M Hamilton, L Wang, BJ Cowling	Science of the Total Environment 2021 - 53 cites
Clinical and functional characteristics of a subsample of young people presenting for primary mental healthcare at headspace services across Australia K FILIA, D RICKWOOD, J MENSSINK, CX GAO, S HETRICK, A PARKER, M HAMILTON,	Social Psychiatry and Psychiatric Epidemiology 2021 - 22 cites
The psychometric characteristics of the Kessler Psychological Distress Scale (K6) in help-seeking youth: What do you miss when using it as an outcome measure?	Psychiatry Research
SM COTTON, J MENSSINK, K FILIA, D RICKWOOD, IB HICKIE, M HAMILTON,	2021 - 15 cites
Development of a graphic medicine-enabled social media-based intervention for youth social anxiety	Clinical Psychologist
S RICE, B O'BREE, M WILSON, C McEnery, MH LIM, M HAMILTON, J GLEESON,	2021 - 12 cites
Perceived need for neuropsychological assessment according to geographic location: A	Applied Neuropsychology: Child
survey of Australian youth mental health clinicians G Delagneau, SC Bowden, K van-der-EL, S Bryce, M Hamilton, S Adams,	2021 - 4 cites
The youth online training and employment system: Study protocol for a randomized controlled trial of an online vocational intervention for young people with mental ill	Early Intervention in Psychiatry
health	2224 2 11
MB SIMMONS, J NICHOLAS, G CHINNERY, S O'SULLIVAN, S D'ALFONSO,	2021 - 2 cites
Leveraging the social network for treatment of social anxiety: pilot study of a youth-specific digital intervention with a focus on engagement of young men	Internet Interventions
S RICE, B O'BREE, M WILSON, C MCENERY, MH LIM, M HAMILTON, J GLEESON,	2020 - 48 cites
Compensatory interventions for cognitive impairments in psychosis: a systematic review and meta-analysis	Schizophrenia Bulletin
K ALLOTT, K VAN-DER-EL, S Bryce, EM PARRISH, SR McGurk, S Hetrick,	2020 - 44 cites
Youth access clinics in Gippsland: Barriers and enablers to service accessibility in rural settings	Early Intervention in Psychiatry
F. Double M. Albandara, M. Harriston, F. Maria (1977)	2020 7 -:

E Dolan, K Allott, A Proposch, M Hamilton, E Killackey

2020 - 7 cites

assessment services	Early Intervention in Psychiatr
G DELAGNEAU, SC BOWDEN, S BRYCE, K VAN-DER-EL, M HAMILTON, S ADAMS,	2020 - 6 cite
Need for clinical neuropsychological assessment in headspace youth mental health	
services: A national survey of providers	Australian Journal of Psycholog
K Allott, K van-der-EL, S Bryce, M Hamilton, S Adams, L Burgat,	2019 - 11 cite
Moderated online social therapy for depression relapse prevention in young people: pilot study of a 'next generation'online intervention	Early Intervention in Psychiatr
S Rice, J Gleeson, C Davey, S Hetrick, A Parker, R Lederman, G Wadley,	2018 - 107 cité
Motivational interviewing-based training enhances clinicians' skills and knowledge in psoriasis: findings from the Pso Well® study	British Journal of Dermatolog
A Chisholm, PA Nelson, CJ Pearce, AJ Littlewood, K Kane, AL Henry,	2017 - 41 cité
Identifying attributes of care that may improve cost-effectiveness in the youth mental health service system	Medical Journal of Australi
MP Hamilton, SE Hetrick, C Mihalopoulos, D Baker, V Browne,	2017 - 36 cite
Broken promises and missing steps in mental health reform	The Medical Journal of Australi
PD McGorry, MP Hamilton	2017 - 14 cité
Targeting mental health care attributes by diagnosis and clinical stage: the views of youth mental health clinicians	Medical Journal of Australi
MP Hamilton, SE Hetrick, C Mihalopoulos, D Baker, V Browne,	2017 - 7 cite
Stepwise expansion of evidence-based care is needed for mental health reform PD McGorry, MP Hamilton	Medical Journal of Australi 2016 - 11 cite
Response to Jorm: Headspace-A national and international innovation with lessons for redesign of mental health care in Australia McGorry, M Hamilton, S Goldstone, D Rickwood	Australian and New Zealan Journal of Psychiat. 2016 - 9 cit
Response to Allison et al.,'The National Mental Health Commission Report: Evidence based or ideologically driven?'	Australian & New Zealand Journal of Psychiat
D McGorry, S Goldstone, K Pennell, M Hamilton	2016 - 2 cit
Calculating when elective abdominal aortic aneurysm repair improves survival for individual patients: development of the Aneurysm Repair Decision Aid and economic evaluation.	Health Technology Assessmen
GW Grant, M Sperrin, E Carlson, N Chinai, D Ntais, M Hamilton, G Dunn,	2015 - 26 cit
Psoriasis treatment and management–a systematic review of full economic evaluations MP Hamilton, D Ntais, CEM Griffiths, LM Davies,	British Journal of Dermatolog 2015 - 14 citi
The IMPACT programme in psoriasis: phase I-where we are now and future directions PA Nelson, DM Ashcroft, C Bundy, CA Chew-Graham, A Chisholm,	Dermatological Nursir. 2015 - 2 citi
Non-peer-reviewed publications	
Capturing the clinical complexity in young people presenting to primary mental health services: A data-driven approach	OS
CX GAO, N TELFORD, KM FILIA, JM MENSSINK, ALBRECHT, PD MCGORRY, MP HAMILTON, M WANG, DZQ GAN, D DWYER, S Prober, I Zbukvic, M Ziou, SM Cotton, DJ Rickwood	202
	Arx
health economic models MP Hamilton, MCX Gao, MG Wiesner, MKM Filia, MJM Menssink, MP Plencnerova, MD Baker, MPD McGorry, MA	202
health economic models MP Hamilton, MCX Gao, MG Wiesner, MKM Filia, MJM Menssink, MP Plencnerova, MD Baker, MPD McGorry, MA Parker, MJ Karnon, MS M Cotton, MC Mihalopoulos Mapping psychological distress, depression and anxiety measures to adolescent	202
A prototype software framework for transparent, reusable and updatable computational health economic models MP HAMILTON, MCX GAO, MG WIESNER, MKM FILIA, MJM MENSSINK, MP PLENCNEROVA, MD BAKER, MPD MCGORRY, MA PARKER, MJ KARNON, MS M COTTON, MC MIHALOPOULOS Mapping psychological distress, depression and anxiety measures to adolescent AQoL-6D utility using data from a sample of young people presenting to primary mental health services	20. MedRx

 $\mathsf{MP}\,\mathsf{Hamilton},\mathsf{CX}\,\mathsf{Gao},\mathsf{KM}\,\mathsf{Filia},\mathsf{JM}\,\mathsf{Menssink},\mathsf{S}\,\mathsf{Sharmin},\mathsf{N}\,\mathsf{Telford},\!...$

2021

An investment framework to build mental capital in young people	Orygen
D McDaid, M Hamilton, D King, A-La Park, M Scopel Hoffmann, W Silva-Ribeiro,	2020
Submission to the Productivity Commission Inquiry into Mental Health	Orygen
ORYGEN AND HEADSPACE [CONTRIBUTING AUTHOR]	2019
Submission to the Medicare Benefits Schedule Review Taskforce ORYGEN [LEAD AUTHOR]	Orygen 2015
Developing a youth suicide prevention strategy for Tasmania: A review of the literature J ROBINSON, E BAILEY, S HETRICK, S DESILVA, N REAVLEY, B BASSILIOS,	Orygen 2015
Current and emerging issues for National Health and Medical Research Council Fellowship Schemes	Orygen
Orygen [Contributing author]	2015
Senate inquiry submission: Medical Research Future Fund ORYGEN [LEAD AUTHOR]	Orygen 2015
The economic costs of communications inefficiency in Irish Hospital Pharmacy M Hamilton	Hospital Pharmacy News 2015
Preliminary survey report on communications inefficiencies in Irish hospital medicines management: cost impact and priorities for action	Leading Edge Group
M Hamilton	2013
Adding value to community pharmacy	Leading Edge Group
M Hamilton, J Aherne, T Fannon, and J Bishop	2012
Including, connecting, contributing: A blueprint to transform mental health and social participation in Australia	Independent Mental Health Reform Group
D Cappo, PD McGorry, IB Hickie, S Rosenberg., J Moran. and M Hamilton.	2011
Submission to the Senate Community Affairs Committee Inquiry into Commonwealth funding and administration of mental health services	Orygen
PD McGorry P.D. and M Hamilton	2011
Ten year policy framework to support the mental health of young Australians PD McGorry P.D. and M Hamilton	Orygen 2011

Scientific Software

READY4 - A PROTOTYPE SOFTWARE FRAMEWORK FOR TRANSPARENT, REUSABLE AND UPDATABLE HEALTH ECONOMIC MODELS

The ready4 documentation website is https://ready4-dev.com.

The six R libraries that implement ready4 are detailed below and also at https://www.ready4-dev.com/docs/software/libraries/releases/.

ready4 - Implement Modular and Open-Source Health Economic Models

https://doi.org/10.5281/zenodo.5606250

MATTHEW HAMILTON 15 December 2023

ready4class - Author and Document Classes that Make Health Economic Models Modular

https://doi.org/10.5281/zenodo.5640313

MATTHEW HAMILTON AND GLEN WIESNER 03 October 2023

ready4fun - Author and Document Functions that Implement Transferable Health

Economic Model Algorithmshttps://doi.org/10.5281/zenodo.5611779

MATTHEW HAMILTON AND GLEN WIESNER 01 December 2023

ready4pack - Author R Packages of Health Economic Model Modules

https://doi.org/10.5281/zenodo.5644322

MATTHEW HAMILTON 03 October 2023

ready4show - Author Health Economic Analysis Programs and Reporting Templates

MATTHEW HAMILTON AND GLEN WIESNER

https://doi.org/10.5281/zenodo.5644568 02 October 2023

ready4use - Author, Ingest, Label and Share Health Economic Model Datasets

MATTHEW HAMILTON AND GLEN WIESNER

https://doi.org/10.5281/zenodo.5644336

02 October 2023

READYFORWHATSNEXT - AN OPEN SOURCE ECONOMIC MODEL OF YOUTH MENTAL HEALTH

The readyforwhatsnext model is documented at https://readyforwhatsnext.org/.

Currently available R libraries that implement the readyforwhatsnext model are listed below and also at https://readyforwhatsnext.org/docs/tutorials/finding/libraries/.

aus - Model Australian Spatial Data

MATTHEW HAMILTON

bimp - Undertake Health Economic Budget Impact Analysis.

MATTHEW HAMILTON

costly - Develop, Use and Share Unit Cost Datasets for Health Economic Analysis

MATTHEW HAMILTON

heterodox - Explore and Characterise Heterogeneity in Quality of Life Data

CAROLINE GAO AND MATTHEW HAMILTON

mychoice - Model Youth Choice Behaviours

MATTHEW HAMILTON

scorz - Score Multi-Attribute Utility Instruments

MATTHEW HAMILTON AND CAROLINE GAO

specific - Specify Models to Solve Inverse Problems

MATTHEW HAMILTON AND CAROLINE GAO

TTU - Implement Transfer to Utility Mapping Algorithms

CAROLINE GAO AND MATTHEW HAMILTON

vicinity - Model Spatial Features of Health Systems

MATTHEW HAMILTON

youthu - Transform Youth Outcomes to Health Utility Predictions

MATTHEW HAMILTON AND CAROLINE GAO

youthvars - Describe and Validate Youth Mental Health Dataset Variables

MATTHEW HAMILTON AND CAROLINE GAO

Replication programs for study design and analysis are detailed at: https://readyforwhatsnext.org/docs/analyses/find/

Study reporting templates (subroutines) are detailed at: https://readyforwhatsnext.org/docs/reporting/

User-interfaces are described at: https://readyforwhatsnext.org/docs/decision-aids/

https://doi.org/10.5281/zenodo.7687126

https://doi.org/10.5281/zenodo.5889462 04 October 2023

https://doi.org/10.5281/zenodo.5606250

04 November 2023

04 October 2023

https://doi.org/10.5281/zenodo.5751193

04 October 2023

https://doi.org/10.5281/zenodo.7213799

04 October 2023

https://doi.org/10.5281/zenodo.5722708

03 October 2023

https://doi.org/10.5281/zenodo.5768689

04 October 2023

https://doi.org/10.5281/zenodo.5646593

04 October 2023

https://doi.org/10.5281/zenodo.7623630

04 October 2023

https://doi.org/10.5281/zenodo.5646668

04 October 2023

https://doi.org/10.5281/zenodo.5646550

03 October 2023

Presentations

Economics of digital provision in health

MP HAMILTON

A prototype software framework for ethical implementations of computational economic models in youth mental health

Generating Economic Insights From Mental Health Service Data - A Utility Mapping Study

Youth Outcomes To Health Utility (youthu) - Increasing economic insight from mental

Supporting collaborative approaches to building better mental health models

Readyforwhatsnext: an open source framework for developing simulation models of

Developing an open source data analytic toolkit for optimising early psychosis services

Eliciting and valuing preferences in youth mental health. Discrete Choice Experiment

EPSOS Toolkit Epidemiology module: Current status and future development

MP HAMILTON

MP HAMILTON

MP HAMILTON

health service data

Improving outcome measurement in headspace

SM COTTON, CX GAO AND MP HAMILTON

A workflow for replicable data synthesis and simulation research in mental health MP HAMILTON

MP HAMILTON

A framework for modelling the predicted impact of policy options to promote mental

MP HAMILTON

A framework for modelling the anticipated impact of policy options to promote

resilience in children and young people A PARKER, P PLENCNEROVA, G WIESNER AND MP HAMILTON

A novel, open source evidence synthesis and simulation toolkit to represent the changing spatial environment in which mental health policy is implemented

MP Hamilton, A MacDonald, R Callanan, S Prober, G Wiesner, P Plencherova

emerging mental disorder

health in young people

MP HAMILTON AND G WIESNER

A framework for modelling the anticipated impact of policy options to promote resilience in children and young people

M Hamilton, A Parker, P Plencherova, G Wiesner, J Karnon and C Mihalopoulos

Developing open source tools in R for the synthesis, generation and analysis of youth mental health data

МР Намитом

MP HAMILTON

MP HAMILTON

Mental health, wellbeing and resilience: Tools and frameworks for agent based models MP HAMILTON

FEBRUARY 2024

Workshop

S WALSH AND MP HAMILTON

Victorian Heart Institute Innovation

Summit

Oral - 2023

Monash University, Melbourne

Seminar - 2023

Society of Mental Health Research, Hobart

Oral - 2022

The Mental Health Services Conference, Melbourne

Oral - 2021

Orygen, Melbourne

Orygen, Melbourne

Seminar - 2020

Seminar - 2021

University of Sydney COVID Modelling Webinar

Webinar - 2020

University of Queensland, Brisbane

Workshop - 2020

Victoria University, Melbourne

Seminar - 2019

International Conference on Youth Mental Health, Brisbane

Poster - 2019

Orygen, Melbourne

Seminar - 2019

Society of Mental Health Research, Melbourne

Oral - 2019

Orygen, Melbourne

Seminar - 2018

Society of Mental Health Research, Noosa

Oral - 2018

Headspace Early Psychosis Program Forum - Perth

Oral - 2018

University of Adelaide

Seminar - 2018

Orygen, Melbourne

Workshop - 2018

Improving the cost-effectiveness of early psychosis services: concepts, evidence and Australian Early Psychosis Research potential directions Network. Melbourne MP HAMILTON Oral - 2017 Introducing readyforwhatsnext: a collaboration between young people, researchers and Resilience symposium, Orygen, policymakers to improve the resilience of young Victorians Melbourne MP HAMILTON Oral - 2017 Improving the mental health of young people: the roles of economists, policymakers National University of Ireland and capable machines Galway MP HAMILTON Seminar - 2017 Initial outline of a clinical stage and preferences based comprehensive youth mental International Conference on Youth health model of care Mental Health, Dublin MP Hamilton, SE Hetrick, C Mihalopoulos, D Baker, V Browne, Chanen A... A meaningful conversation: explaining youth mental health to intelligent machines so International Conference on Youth they can explain it back (better) to us Mental Health, Dublin MP HAMILTON AND J GILLAM Table top - 2017 Youth mental health research in the era of intelligent machines Orygen, Melbourne J GILLAM AND MP HAMILTON Seminar - 2017 Towards a theory of everything youth mental health: using simulation models to Orygen, Melbourne synthesise our synthesis MP HAMILTON Seminar - 2016 Youth mental health simulation environment: project update Deakin University, Melbourne MP HAMILTON Professional development - 2016 Youth mental health simulation environment: initial steps Deakin University, Melbourne MP HAMILTON Professional development - 2015 How to use health economics to improve the impact of your research Orygen, Melbourne MP HAMILTON Seminar - 2015 Value for money in treating psoriasis? a systematic review of full economic evaluations International Congress of Psoriasis, of psoriasis therapies London MP HAMILTON, D NTAIS, CEM GRIFFITHS AND LM DAVIES Poster - 2014 An applied example of a programme grant team developing an economic decision model University of Manchester MP HAMILTON Seminar - 2014 Grants Towards a holistic priority setting approach for chronic disease management to tackle NHMRC TCR GNT2024805 loneliness and social isolation in Australia A\$1,751,821 ASSOCIATE INVESTIGATOR.

Towards a holistic priority setting approach for chronic disease management to tackle loneliness and social isolation in Australia

ASSOCIATE INVESTIGATOR.

An integrated response to suicide risk among secondary schools: A regionally-based randomised trial.

ASSOCIATE INVESTIGATOR.

ASSOCIATE INVESTIGATOR.

ASSOCIATE INVESTIGATOR.

ASSOCIATE INVESTIGATOR.

ASSOCIATE INVESTIGATOR.

Ceadyforwhatsnext: a computer simulation model to identify optimal strategies for developing the resilience of young Victorians.

BY INTERCEPTION OF THE ASSOCIATE INVESTIGATOR

ASSOCIATE INVESTIGATO

PRINCIPAL INVESTIGATOR

ENTOURAGE: An interactive e-mentoring program to assist young men overcome social

Movember Foundation - A\$200,000

anxiety

Describing assessed need, service response and outcomes of young people seeking help Gippsland Primary Health Network -

for mental health problems in Gippsland

COLINIESTIGATOR

2017

Teaching

Understanding and applying health economic tools and techniques

Online

COURSE DIRECTOR, LEADING EDGE GROUP

2015-Present

Health economic evaluation lectures, epidemiology module, Masters of Clinical Rheumatology

Manchester, UK

GUEST LECTURER, UNIVERSITY OF MANCHESTER

2015

Health economic evaluation module, Masters of Public Health

Manchester, UK

Assessor, University of Manchester

Munichester, on

Health economics: evidence, outcomes and efficiency

Toronto, Canada

PRESENTER AND FACILITATOR, LEADING EDGE GROUP

June 2014

Using health economic evidence to enhance hospital pharmacy outcomes

Dublin, Ireland

Presenter and Facilitator, Pfizer

Social studies

May 2014

 $\label{eq:come} \textbf{Become your own hero-decision making for better health, work and life}$

Six Eastern Caribbean Countries

Course Director, Presenter and Facilitator, Trust for the Americas

Chimaltenango, Guatemala

HIGH SCHOOL TEACHER, FUNDACION ROSE

2008