

Matthew Hamilton

RESEARCH FELLOW

Monash University Health Economics Group

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Qualifications

Monash University

PHD CANDIDATE

Melbourne, Australia

2022 - Present

National University of Ireland Galway

MSC - HEALTH ECONOMICS (FIRST CLASS GRADE AVERAGE)

Galway, Ireland

2013

University of Limerick

BBS - ECONOMICS & ACCOUNTANCY WITH FRENCH

Limerick, Ireland

1997

Employment and Appointments

Monash University

RESEARCH FELLOW

Melbourne Australia

August 2023 - Present

Orygen

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

Melbourne Australia

April 2015 - June 2023

University of Manchester

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

Manchester, UK

October 2018 - October 2021

University of Manchester

RESEARCH ASSOCIATE - HEALTH ECONOMICS

Manchester, UK

October 2013 - March 2015

Leading Edge Group

CONSULTANT AND COURSE DIRECTOR- HEALTH ECONOMICS AND POLICY

Cobh, Ireland

April 2012 - Present

UnitingCare NSW.ACT

RESEARCH AND DEVELOPMENT MANAGER - PREVENTATIVE MENTAL HEALTH

Sydney, Australia

July 2013 - September 2013

Orygen Youth Health Research Centre

SENIOR POLICY ADVISER

Melbourne, Australia

March 2010 - March 2012

Fundacion Rose, Trust for the Americas and Footprint Travel Guide

TEACHER, CONSULTANT AND RESEARCHER

Central America and Caribbean

January 2008 - March 2010

The One Foundation

PORTFOLIO MANAGER - MENTAL HEALTH

Dublin, Ireland

September 2005 - August 2007

Orygen Youth Health Research Centre

POLICY ANALYST

Melbourne, Australia

January 2004 - June 2005

The Wheel

HEAD OF POLICY, RESEARCH & COMMUNICATIONS

Dublin, Ireland

September 2001 - September 2003

Silver Apples Media

CO-FOUNDER AND DIRECTOR OF FINANCE AND OPERATIONS

Dublin, Ireland

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 MENSINK, K FILIA, ...

Psychiatric Services

2023 - 5 cites

Implementing a combined individual placement and support and vocational peer work program in integrated youth mental health settings

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

Early Intervention in Psychiatry

2023 - 5 cites

Response to Allison et al.(2022)‘HearSpace early intervention for psychosis in Australia: Is it still a “best buy”?’	<i>Australasian Psychiatry</i>
E BROWN, E KILLACKEY, M HAMILTON, A THOMPSON, P MCGORRY	2023 - 1 cites
Accelerating youth mental health services research	<i>Australasian Psychiatry</i>
SM COTTON, KM FILIA, MP HAMILTON, CX GAO, JM MENSSINK, N TELFORD, ...	2023 - 0 cites
Social inclusion, intersectionality, and profiles of vulnerable groups of young people seeking mental health support	<i>Social Psychiatry and Psychiatric Epidemiology</i>
K FILIA, J MENSSINK, CX GAO, D RICKWOOD, M HAMILTON, SE HETRICK, ...	2022 - 15 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 ...	<i>Trials</i>
SJ BYRNE, E BAILEY, M LAMBLIN, S MCKAY, J PIRKIS, C MIHALOPOULOS, ...	2022 - 4 cites
Mental health systems modelling for evidence-informed service reform in Australia	<i>Australian & New Zealand Journal of Psychiatry</i>
H WHITEFORD, N BAGHERI, S DIMINIC, J ENTICOTT, CX GAO, M HAMILTON, ...	2022 - 3 cites
Heterogeneity of quality of life in young people attending primary mental health services	<i>Epidemiology and Psychiatric Sciences</i>
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	<i>Current Issues in Criminal Justice</i>
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	<i>Science of the Total Environment</i>
CX GAO, Y LI, J WEI, S COTTON, M HAMILTON, L WANG, BJ COWLING	2021 - 44 cites
Clinical and functional characteristics of a subsample of young people presenting for primary mental healthcare at hearSpace services across Australia	<i>Social Psychiatry and Psychiatric Epidemiology</i>
K FILIA, D RICKWOOD, J MENSSINK, CX GAO, S HETRICK, A PARKER, M HAMILTON, ...	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?	<i>Psychiatry Research</i>
SM COTTON, J MENSSINK, K FILIA, D RICKWOOD, IB HICKIE, M HAMILTON, ...	2021 - 13 cites
Development of a graphic medicine-enabled social media-based intervention for youth social anxiety	<i>Clinical Psychologist</i>
S RICE, B O'BREE, M WILSON, C MCENERY, MH LIM, M HAMILTON, J GLEESON, ...	2021 - 11 cites
Perceived need for neuropsychological assessment according to geographic location: A survey of Australian youth mental health clinicians	<i>Applied Neuropsychology: Child</i>
G DELAGNEAU, SC BOWDEN, K VAN-DER-EL, S BRYCE, M HAMILTON, S ADAMS, ...	2021 - 3 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 health	<i>Early Intervention in Psychiatry</i>
MB SIMMONS, J NICHOLAS, G CHINNERY, S O'SULLIVAN, S D'ALFONSO, ...	2021 - 1 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	<i>Internet Interventions</i>
S RICE, B O'BREE, M WILSON, C MCENERY, MH LIM, M HAMILTON, J GLEESON, ...	2020 - 45 cites
Compensatory interventions for cognitive impairments in psychosis: a systematic review and meta-analysis	<i>Schizophrenia Bulletin</i>
K ALLOTT, K VAN-DER-EL, S BRYCE, EM PARRISH, SR MCGURK, S HETRICK, ...	2020 - 38 cites
Youth access clinics in Gippsland: Barriers and enablers to service accessibility in rural settings	<i>Early Intervention in Psychiatry</i>
E DOLAN, K ALLOTT, A PROPOSCH, M HAMILTON, E KILLACKEY	2020 - 7 cites

Thematic analysis of youth mental health providers' perceptions of neuropsychological assessment services	<i>Early Intervention in Psychiatry</i>
G DELAGNEAU, SC BOWDEN, S BRYCE, K VAN-DER-EL, M HAMILTON, S ADAMS, ...	2020 - 5 cites
Need for clinical neuropsychological assessment in headspace youth mental health services: A national survey of providers	<i>Australian Journal of Psychology</i>
K ALLOTT, K VAN-DER-EL, S BRYCE, M HAMILTON, S ADAMS, L BURGAT, ...	2019 - 10 cites
Moderated online social therapy for depression relapse prevention in young people: pilot study of a 'next generation'online intervention	<i>Early Intervention in Psychiatry</i>
S RICE, J GLEESON, C DAVEY, S HETRICK, A PARKER, R LEDERMAN, G WADLEY, ...	2018 - 101 cites
Identifying attributes of care that may improve cost-effectiveness in the youth mental health service system	<i>Medical Journal of Australia</i>
MP HAMILTON, SE HETRICK, C MIHALOPOULOS, D BAKER, V BROWNE, ...	2017 - 36 cites
Motivational interviewing-based training enhances clinicians' skills and knowledge in psoriasis: findings from the Pso Well® study	<i>British Journal of Dermatology</i>
A CHISHOLM, PA NELSON, CJ PEARCE, AJ LITTLEWOOD, K KANE, AL HENRY, ...	2017 - 36 cites
Broken promises and missing steps in mental health reform	<i>The Medical Journal of Australia</i>
PD MCGORRY, MP HAMILTON	2017 - 14 cites
Targeting mental health care attributes by diagnosis and clinical stage: the views of youth mental health clinicians	<i>Medical Journal of Australia</i>
MP HAMILTON, SE HETRICK, C MIHALOPOULOS, D BAKER, V BROWNE, ...	2017 - 7 cites
Stepwise expansion of evidence-based care is needed for mental health reform	<i>Medical Journal of Australia</i>
PD MCGORRY, MP HAMILTON	2016 - 11 cites
Response to Jorm: Headspace-A national and international innovation with lessons for redesign of mental health care in Australia	<i>Australian and New Zealand Journal of Psychiatry</i>
P MCGORRY, M HAMILTON, S GOLDSTONE, D RICKWOOD	2016 - 9 cites
Response to Allison et al., 'The National Mental Health Commission Report: Evidence based or ideologically driven?'	<i>Australian & New Zealand Journal of Psychiatry</i>
PD MCGORRY, S GOLDSTONE, K PENNELL, M HAMILTON	2016 - 2 cites
Calculating when elective abdominal aortic aneurysm repair improves survival for individual patients: development of the Aneurysm Repair Decision Aid and economic evaluation	<i>Health Technology Assessment</i>
SW GRANT, M SPERRIN, E CARLSON, N CHINAI, D NTAIS, M HAMILTON, G DUNN, ...	2015 - 26 cites
Psoriasis treatment and management—a systematic review of full economic evaluations	<i>British Journal of Dermatology</i>
MP HAMILTON, D NTAIS, CEM GRIFFITHS, LM DAVIES, ...	2015 - 13 cites
The IMPACT programme in psoriasis: phase I—where we are now and future directions	<i>Dermatological Nursing</i>
PA NELSON, DM ASHCROFT, C BUNDY, CA CHEW-GRAHAM, A CHISHOLM, ...	2015 - 2 cites

Non-peer-reviewed publications

Predicting Quality Adjusted Life Years in young people attending primary mental health services	<i>MedRxiv</i>
MP HAMILTON, CX GAO, KM FILIA, JM MENSINK, S SHARMIN, N TELFORD,...	2021
An investment framework to build mental capital in young people	<i>Orygen</i>
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	<i>Orygen</i>
ORYGEN AND HEADSPACE [CONTRIBUTING AUTHOR]	2019
Submission to the Medicare Benefits Schedule Review Taskforce	<i>Orygen</i>
ORYGEN [LEAD AUTHOR]	2015
Developing a youth suicide prevention strategy for Tasmania: A review of the literature	<i>Orygen</i>
J ROBINSON, E BAILEY, S HETRICK, S DESILVA, N REAVLEY, B BASSILIOS, ...	2015

Current and emerging issues for National Health and Medical Research Council Fellowship Schemes

ORYGEN [CONTRIBUTING AUTHOR]

Orygen

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

M HAMILTON

Leading Edge Group

2013

Adding value to community pharmacy

M HAMILTON, J AHERNE, T FANNON, AND J BISHOP..

Leading Edge Group

2012

Including, connecting, contributing: A blueprint to transform mental health and social participation in Australia

D CAPPO, PD MCGORRY, IB HICKIE, S ROSENBERG., J MORAN. AND M HAMILTON.

Independent Mental Health Reform Group

2011

Submission to the Senate Community Affairs Committee Inquiry into Commonwealth funding and administration of mental health services

PD MCGORRY P.D. AND M HAMILTON

Orygen

2011

Ten year policy framework to support the mental health of young Australians

PD MCGORRY P.D. AND M HAMILTON

Orygen

2011

Scientific Software

DOCUMENTATION

I have documented the software itemised in this section at:

<https://www.ready4-dev.com>

R CODE LIBRARIES

A prototype software framework for transparent, reusable and updatable health economic models

ready4 - Implement Transparent, Reusable and Updatable Computational Health Economic Models

MATTHEW HAMILTON

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

02 October 2023

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

MATTHEW HAMILTON AND GLEN WIESNER

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

03 October 2023

ready4fun - Author and Document Functions that Implement Transferable Health Economic Model Algorithms

MATTHEW HAMILTON AND GLEN WIESNER

<https://doi.org/10.5281/zenodo.5611779>

02 October 2023

ready4pack - Author R Packages of Health Economic Model Modules

MATTHEW HAMILTON

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

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

Modules of an open source economic model of youth mental health

aus - Model Australian Spatial Data

MATTHEW HAMILTON

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

04 October 2023

bimp - Undertake Health Economic Budget Impact Analysis.

MATTHEW HAMILTON

<https://doi.org/10.5281/zenodo.5889462>

04 October 2023

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

MATTHEW HAMILTON

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

13 October 2023

heterodox - Explore and Characterise Heterogeneity in Quality of Life Data

CAROLINE GAO AND MATTHEW HAMILTON

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

04 October 2023

mychoice - Model Youth Choice Behaviours

MATTHEW HAMILTON

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

04 October 2023

scorz - Score Multi-Attribute Utility Instruments

MATTHEW HAMILTON AND CAROLINE GAO

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

03 October 2023

specific - Specify Models to Solve Inverse Problems

MATTHEW HAMILTON AND CAROLINE GAO

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

04 October 2023

TTU - Implement Transfer to Utility Mapping Algorithms

CAROLINE GAO AND MATTHEW HAMILTON

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

04 October 2023

vicinity - Model Spatial Features of Health Systems

MATTHEW HAMILTON

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

04 October 2023

youthu - Transform Youth Outcomes to Health Utility Predictions

MATTHEW HAMILTON AND CAROLINE GAO

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

04 October 2023

youthvars - Describe and Validate Youth Mental Health Dataset Variables

MATTHEW HAMILTON AND CAROLINE GAO

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

03 October 2023

EXECUTABLES & USER INTERFACES

Programs (study design and analysis): <https://www.ready4-dev.com/docs/software/executables/programs/>
Subroutines (reporting templates): <https://www.ready4-dev.com/docs/software/executables/subroutines/>
User-interfaces (interactivity): <https://www.ready4-dev.com/docs/software/user-interfaces/>

Presentations

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

MP HAMILTON

Monash University, Melbourne

Seminar - 2023

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

MP HAMILTON

Society of Mental Health Research,
Hobart

Oral - 2022

Youth Outcomes To Health Utility (youthu) - Increasing economic insight from mental health service data	<i>The Mental Health Services Conference, Melbourne</i>
MP HAMILTON	<i>Oral - 2021</i>
Improving outcome measurement in headspace	<i>Orygen, Melbourne</i>
SM COTTON, CX GAO AND MP HAMILTON	<i>Seminar - 2021</i>
A workflow for replicable data synthesis and simulation research in mental health	<i>Orygen, Melbourne</i>
MP HAMILTON	<i>Seminar - 2020</i>
Supporting collaborative approaches to building better mental health models	<i>University of Sydney COVID Modelling Webinar</i>
MP HAMILTON	<i>Webinar - 2020</i>
A framework for modelling the predicted impact of policy options to promote mental health in young people	<i>University of Queensland, Brisbane</i>
MP HAMILTON	<i>Workshop - 2020</i>
A framework for modelling the anticipated impact of policy options to promote resilience in children and young people	<i>Victoria University, Melbourne</i>
A PARKER, P PLENCNEROVA, G WIESNER AND MP HAMILTON	<i>Seminar - 2019</i>
A novel, open source evidence synthesis and simulation toolkit to represent the changing spatial environment in which mental health policy is implemented	<i>International Conference on Youth Mental Health, Brisbane</i>
MP HAMILTON, A MACDONALD, R CALLANAN, S PROBER, G WIESNER, P PLENCNEROVA	<i>Poster - 2019</i>
Readyforwhatsnext: an open source framework for developing simulation models of emerging mental disorder	<i>Orygen, Melbourne</i>
MP HAMILTON AND G WIESNER	<i>Seminar - 2019</i>
A framework for modelling the anticipated impact of policy options to promote resilience in children and young people	<i>Society of Mental Health Research, Melbourne</i>
M HAMILTON, A PARKER, P PLENCNEROVA, G WIESNER, J KARNON AND C MIHALOPOULOS	<i>Oral - 2019</i>
Developing open source tools in R for the synthesis, generation and analysis of youth mental health data	<i>Orygen, Melbourne</i>
MP HAMILTON	<i>Seminar - 2018</i>
Developing an open source data analytic toolkit for optimising early psychosis services	<i>Society of Mental Health Research, Noosa</i>
MP HAMILTON	<i>Oral - 2018</i>
EPSOS Toolkit Epidemiology module: Current status and future development	<i>Headspace Early Psychosis Program Forum - Perth</i>
MP HAMILTON	<i>Oral - 2018</i>
Mental health, wellbeing and resilience: Tools and frameworks for agent based models	<i>University of Adelaide</i>
MP HAMILTON	<i>Seminar - 2018</i>
Eliciting and valuing preferences in youth mental health. Discrete Choice Experiment Workshop	<i>Orygen, Melbourne</i>
S WALSH AND MP HAMILTON	<i>Workshop - 2018</i>
Improving the cost-effectiveness of early psychosis services: concepts, evidence and potential directions	<i>Australian Early Psychosis Research Network, Melbourne</i>
MP HAMILTON	<i>Oral - 2017</i>
Introducing readyforwhatsnext: a collaboration between young people, researchers and policymakers to improve the resilience of young Victorians	<i>Resilience symposium, Orygen, Melbourne</i>
MP HAMILTON	<i>Oral - 2017</i>
Improving the mental health of young people: the roles of economists, policymakers and capable machines	<i>National University of Ireland Galway</i>
MP HAMILTON	<i>Seminar - 2017</i>
Initial outline of a clinical stage and preferences based comprehensive youth mental health model of care	<i>International Conference on Youth Mental Health, Dublin</i>
MP HAMILTON, SE HETRICK, C MIHALOPOULOS, D BAKER, V BROWNE, CHANEN A...	<i>Oral - 2017</i>

A meaningful conversation: explaining youth mental health to intelligent machines so they can explain it back (better) to us	<i>International Conference on Youth Mental Health, Dublin</i>
MP HAMILTON AND J GILLAM	<i>Table top - 2017</i>
Youth mental health research in the era of intelligent machines	<i>Orygen, Melbourne</i>
J GILLAM AND MP HAMILTON	<i>Seminar - 2017</i>
Towards a theory of everything youth mental health: using simulation models to synthesise our synthesis	<i>Orygen, Melbourne</i>
MP HAMILTON	<i>Seminar - 2016</i>
Youth mental health simulation environment: project update	<i>Deakin University, Melbourne</i>
MP HAMILTON	<i>Professional development - 2016</i>
Youth mental health simulation environment: initial steps	<i>Deakin University, Melbourne</i>
MP HAMILTON	<i>Professional development - 2015</i>
How to use health economics to improve the impact of your research	<i>Orygen, Melbourne</i>
MP HAMILTON	<i>Seminar - 2015</i>
Value for money in treating psoriasis? a systematic review of full economic evaluations of psoriasis therapies	<i>International Congress of Psoriasis, London</i>
MP HAMILTON, D NTAIS, CEM GRIFFITHS AND LM DAVIES	<i>Poster - 2014</i>
An applied example of a programme grant team developing an economic decision model	<i>University of Manchester</i>
MP HAMILTON	<i>Seminar - 2014</i>

Grants

An integrated response to suicide risk among secondary schools: A regionally-based randomised trial.	<i>NHMRC Partnership GNT1153051 - A\$687355</i>
ASSOCIATE INVESTIGATOR.	<i>2017</i>
readyforwhatsnext: a computer simulation model to identify optimal strategies for developing the resilience of young Victorians.	<i>VicHealth Innovation Research Grant - A\$200,000</i>
PRINCIPAL INVESTIGATOR	<i>2017</i>
ENTOURAGE: An interactive e-mentoring program to assist young men overcome social anxiety	<i>Movember Foundation - A\$200,000</i>
CO-INVESTIGATOR	<i>2017</i>
Describing assessed need, service response and outcomes of young people seeking help for mental health problems in Gippsland	<i>Gippsland Primary Health Network - A\$59,000</i>
CO-INVESTIGATOR	<i>2017</i>

Teaching

Understanding and applying health economic tools and techniques	<i>Online</i>
COURSE DIRECTOR, LEADING EDGE GROUP	<i>2015-Present</i>
Health economic evaluation lectures, epidemiology module, Masters of Clinical Rheumatology	<i>Manchester, UK</i>
GUEST LECTURER, UNIVERSITY OF MANCHESTER	<i>2015</i>
Health economic evaluation module, Masters of Public Health	<i>Manchester, UK</i>
ASSESSOR, UNIVERSITY OF MANCHESTER	<i>2014</i>
Health economics: evidence, outcomes and efficiency	<i>Toronto, Canada</i>
PRESENTER AND FACILITATOR, LEADING EDGE GROUP	<i>June 2014</i>
Using health economic evidence to enhance hospital pharmacy outcomes	<i>Dublin, Ireland</i>
PRESENTER AND FACILITATOR, PFIZER	<i>May 2014</i>
Become your own hero - decision making for better health, work and life	<i>Six Eastern Caribbean Countries</i>
COURSE DIRECTOR, PRESENTER AND FACILITATOR, TRUST FOR THE AMERICAS	<i>2009</i>

Social studies

HIGH SCHOOL TEACHER, FUNDACION ROSE

Chimaltenango, Guatemala

2008