

Matthew Hamilton

ECONOMIST AND MENTAL HEALTH MODELLER

Orygen

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I am a research economist at Orygen, working to achieve better mental health outcomes for young people. My main focus is improving the quality and usefulness of mental health mathematical models through adopting modular, replicable and generalisable methods.

Qualifications

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

Orygen

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

Melbourne Australia

April 2015 - Present

University of Manchester

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

Manchester, UK

October 2018 - Present

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

Identification and Management of Psoriasis Associated Co-Morbidity: The IMPACT Research Programme

L CORDINGLEY, PA NELSON, L DAVIES, D ASHCROFT, C BUNDY, C CHEW-GRAHAM, A CHISHOLM, J ELVIDGE, M HAMILTON,...

Programme Grants Appl Res

2021 - In Press

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 - 5 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 - 0 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 - 0 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 - 9 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 - 3 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, ...	2020 - 3 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 - 1 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 - 1 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 - 6 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, ...	2019 - 0 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 - 62 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 - 20 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 - 13 cites
Broken promises and missing steps in mental health reform	<i>The Medical Journal of Australia</i>
PD MCGORRY, MP HAMILTON	2017 - 10 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 - 5 cites
Stepwise expansion of evidence-based care is needed for mental health reform	<i>Medical Journal of Australia</i>
PD MCGORRY, MP HAMILTON	2016 - 8 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 - 7 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 (Winchester, England)</i>
SW GRANT, M SPERRIN, E CARLSON, N CHINAI, D NTAIS, M HAMILTON, G DUNN, ...	2015 - 21 cites

Psoriasis treatment and management—a systematic review of full economic evaluations

MP HAMILTON, D NTAIS, CEM GRIFFITHS, LM DAVIES, ...

British Journal of Dermatology

2015 - 12 cites

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 Nursing

2015 - 3 cites

Non-peer-reviewed publications

An investment framework to build mental capital in young people

D MCDAID, M HAMILTON, D KING, A-LA PARK, M SCOPEL HOFFMANN, W SILVA-RIBEIRO,...

Orygen

2020

Submission to the Productivity Commission?s Inquiry into Mental Health

ORYGEN AND HEADSPACE [CONTRIBUTING AUTHOR]

Orygen

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 [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: 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

Software

R CODE LIBRARIES

bimp(v0.0.0.9016) - Undertake Budget Impact Analysis on Projets Developped with the Ready4 Suite

MATTHEW HAMILTON

github.com/ready4-dev/bimp

26 February 2021

ready4class(v0.0.0.9185) - Standardised Developer Tools for Creating and Extending Classes for Use as Part of the Ready4 Suite

MATTHEW HAMILTON AND GLEN WIESNER

github.com/ready4-dev/ready4class

17 February 2021

ready4fun(v0.0.0.9270) - Standardised Function Authoring and Documentation Tools for Use with the Ready4 Suite

MATTHEW HAMILTON AND GLEN WIESNER

github.com/ready4-dev/ready4fun

17 February 2021

ready4show(v0.0.0.9013) - Standardised Developer Tools for Sharing Insights from Projects Developed with the Ready4 Suite

MATTHEW HAMILTON AND GLEN WIESNER

github.com/ready4-dev/ready4show

17 February 2021

ready4use(v0.0.0.9111) - Standardised Developer Tools for Retrieving and Managing Data in Projects Developed with the Ready4 Suite

MATTHEW HAMILTON AND GLEN WIESNER

github.com/ready4-dev/ready4use

17 February 2021

TTU(v0.0.0.9121) - Transfer to Utility Mapping Algorithm Toolkit

CAROLINE GAO AND MATTHEW HAMILTON

github.com/ready4-dev/TTU

19 February 2021

youthu(v0.0.0.9052) - Youth Outcomes to Health Utility

MATTHEW HAMILTON AND CAROLINE GAO

github.com/ready4-dev/youthu

19 February 2021

For the most up to date information about the software I develop visit:

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

Presentations

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

MP HAMILTON

Orygen, Melbourne

Seminar - 2020

Supporting collaborative approaches to building better mental health models

MP HAMILTON

University of Sydney COVID

Modelling Webinar

Webinar - 2020

A framework for modelling the predicted impact of policy options to promote mental health in young people

MP HAMILTON

University of Queensland, Brisbane

Workshop - 2020

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

Victoria University, Melbourne

Seminar - 2019

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 PLENCNEROVA?

International Conference on Youth

Mental Health, Brisbane

Poster - 2019

Readyforwhatsnext: an open source framework for developing simulation models of emerging mental disorder

MP HAMILTON AND G WIESNER

Orygen, Melbourne

Seminar - 2019

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

M HAMILTON, A PARKER, P PLENCNEROVA, G WIESNER, J KARNON AND C MIHALOPOULOS

Society of Mental Health Research,

Melbourne

Oral - 2019

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

MP HAMILTON

Orygen, Melbourne

Seminar - 2018

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

MP HAMILTON

Society of Mental Health Research,

Noosa

Oral - 2018

EPSOS Toolkit Epidemiology module: Current status and future development

MP HAMILTON

Headspace Early Psychosis

Program Forum - Perth

Oral - 2018

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

MP HAMILTON

University of Adelaide

Seminar - 2018

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

S WALSH AND MP HAMILTON

Orygen, Melbourne

Workshop - 2018

Improving the cost-effectiveness of early psychosis services: concepts, evidence and potential directions

MP HAMILTON

Australian Early Psychosis Research

Network, Melbourne

Oral - 2017

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 GRIFFITH SAND 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

readyforwhatsnext: a computer simulation model to identify optimal strategies for developing the resilience of young Victorians.	<i>VicHealth Innovation Research</i>
PRINCIPAL INVESTIGATOR	<i>Grant - A\$200,000</i>
	<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

PRESENTER AND FACILITATOR, LEADING EDGE GROUP

Toronto, Canada

June 2014

Using health economic evidence to enhance hospital pharmacy outcomes

PRESENTER AND FACILITATOR, PFIZER

Dublin, Ireland

May 2014

Become your own hero - decision making for better health, work and life

COURSE DIRECTOR, PRESENTER AND FACILITATOR, TRUST FOR THE AMERICAS

Six Eastern Caribbean Countries

2009

Social studies

TEACHER, FUNDACION ROSE

Chimaltenango, Guatemala

2008