

Matthew Hamilton

Health economist

I'm an economist who works to improve the policy environment and service systems that shape the mental health of young people. I principally do this by developing and validating reproducible mental health simulation models.

Qualifications

- 2013 **MSc - Health Economics (First Class Grade Average)**, *National University of Ireland Galway*, Galway, Ireland.
- 1997 **BBS - Economics & Accountancy with French**, *University of Limerick*, Limerick, Ireland.

Employment and Appointments

- April 2015 - Present **Senior Policy Analyst, Lecturer in Health Economics and Lead - Health Economics**, *Orygen*, Melbourne Australia.
- October 2018 - Present **Honorary Senior Lecturer in Population Health, Health Services Research and Primary Care**, *University of Manchester*, Manchester, UK.
- October 2013 - March 2015 **Research Associate - Health Economics**, *University of Manchester*, Manchester, UK.
- April 2012 - Present **Consultant and Course Director- Health Economics and Policy**, *Leading Edge Group*, Cobh, Ireland.
- July 2013 - September 2013 **Research and Development Manager - Preventative Mental Health**, *UnitingCare NSW.ACT*, Sydney, Australia.
- March 2010 - March 2012 **Senior Policy Adviser**, *Orygen Youth Health Research Centre*, Melbourne, Australia.

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January 2008 **Teacher, Consultant and Researcher**, *Fundacion Rose, Trust for the Americas and Footprint Travel Guide*, Central America and Caribbean.
- March 2010

September 2005 - **Portfolio Manager - Mental Health**, *The One Foundation*, Dublin, Ireland.
August 2007

January 2004 **Policy Analyst**, *Orygen Youth Health Research Centre*, Melbourne, Australia.
- June 2005

September 2001 - **Head of Policy, Research & Communications**, *The Wheel*, Dublin, Ireland.

September 2003

October 1998 **Co-Founder and Director of Finance and Operations**, *Silver Apples Media*, Dublin, Ireland.
- March 2001

Peer-reviewed publications

2020 - In Press **L Cordingley, PA Nelson, L Davies, D Ashcroft, C Bundy, C Chew-Graham, A Chisholm, J Elvidge, M Hamilton,...**, *Identification and Management of Psoriasis Associated Co-Morbidity: The IMPACT Research Programme*, Programme Grants Appl Res.

2020 - 2 cites **S Rice, B O'Bree, M Wilson, C McEnery, MH Lim, M Hamilton, J Gleeson, ...**, *Development of a graphic medicine-enabled social media-based intervention for youth social anxiety*, Clinical Psychologist.

2020 - 1 cites **S Rice, B O'Bree, M Wilson, C McEnery, MH Lim, M Hamilton, J Gleeson, ...**, *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.

2020 - 1 cites **K Allott, K van-der-EL, S Bryce, EM Parrish, SR McGurk, S Hetrick, ...**, *Compensatory Interventions for Cognitive Impairments in Psychosis: A Systematic Review and Meta-Analysis*, Schizophrenia Bulletin.

2020 - 0 cites **G Delagneau, SC Bowden, S Bryce, K van-der-EL, M Hamilton, S Adams, ...**, *Thematic analysis of youth mental health providers' perceptions of neuropsychological assessment services*, Early Intervention in Psychiatry.

2020 - 0 cites **E Dolan, K Allott, A Proposch, M Hamilton, E Killackey**, *Youth access clinics in Gippsland: Barriers and enablers to service accessibility in rural settings*, Early Intervention in Psychiatry.

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- 2020 - 0 cites **CX Gao, Y Li, J Wei, S Cotton, M Hamilton, L Wang, BJ Cowling,** *Multi-route respiratory infection: when a transmission route may dominate*, medRxiv.
- 2019 - 4 cites **K Allott, K van-der-EL, S Bryce, M Hamilton, S Adams, L Burgat, ...**, *Need for clinical neuropsychological assessment in headspace youth mental health services: A national survey of providers*, Australian Journal of Psychology.
- 2019 - 0 cites **G Delagneau, SC Bowden, K van-der-EL, S Bryce, M Hamilton, S Adams, ...**, *Perceived need for neuropsychological assessment according to geographic location: A survey of Australian youth mental health clinicians*, Applied Neuropsychology: Child.
- 2018 - 56 cites **S Rice, J Gleeson, C Davey, S Hetrick, A Parker, R Lederman, G Wadley, ...**, *Moderated online social therapy for depression relapse prevention in young people: pilot study of a 'next generation'online intervention*, Early intervention in psychiatry.
- 2017 - 16 cites **A Chisholm, PA Nelson, CJ Pearce, AJ Littlewood, K Kane, AL Henry, ...**, *Motivational interviewing-based training enhances clinicians' skills and knowledge in psoriasis: findings from the Pso Well® study*, British Journal of Dermatology.
- 2017 - 10 cites **MP Hamilton, SE Hetrick, C Mihalopoulos, D Baker, V Browne, ...**, *Identifying attributes of care that may improve cost-effectiveness in the youth mental health service system*, Medical Journal of Australia.
- 2017 - 9 cites **PD McGorry, MP Hamilton,** *Broken promises and missing steps in mental health reform*, The Medical Journal of Australia.
- 2017 - 5 cites **MP Hamilton, SE Hetrick, C Mihalopoulos, D Baker, V Browne, ...**, *Targeting mental health care attributes by diagnosis and clinical stage: The views of youth mental health clinicians*, Medical Journal of Australia.
- 2016 - 7 cites **P McGorry, M Hamilton, S Goldstone, D Rickwood,** *Response to Jorm: Headspace-A national and international innovation with lessons for redesign of mental health care in Australia*, Australian and New Zealand Journal of Psychiatry.
- 2016 - 6 cites **PD McGorry, MP Hamilton,** *Stepwise expansion of evidence-based care is needed for mental health reform*, Medical Journal of Australia.

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- 2016 - 2 cites **PD McGorry, S Goldstone, K Pennell, M Hamilton**, *Response to Allison et al., 'The National Mental Health Commission Report: Evidence based or ideologically driven?'*, Australian & New Zealand Journal of Psychiatry.
- 2015 - 19 cites **SW Grant, M Sperrin, E Carlson, N Chinai, D Ntais, M Hamilton, G Dunn, ...**, *Calculating when elective abdominal aortic aneurysm repair improves survival for individual patients: development of the Aneurysm Repair Decision Aid and economic evaluation*, NIHR Journals Library.
- 2015 - 12 cites **MP Hamilton, D Ntais, CEM Griffiths, LM Davies, ...**, *Psoriasis treatment and management—a systematic review of full economic evaluations*, British Journal of Dermatology.
- 2015 - 2 cites **PA Nelson, DM Ashcroft, C Bundy, CA Chew-Graham, A Chisholm, ...**, *The IMPACT programme in psoriasis: phase I—where we are now and future directions*, Dermatological Nursing.

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Non-peer-reviewed publications

- 2020 **D McDaid, M Hamilton, D King, A-La Park, M Scopel Hoffmann, W Silva-Ribeiro,...**, *An investment framework to build mental capital in young people*, Orygen.
- 2019 **Orygen and Headspace [Contributing author]**, *Submission to the Productivity Commission's Inquiry into Mental Health*, Orygen.
- 2015 **Orygen [Lead author]**, *Submission to the Medicare Benefits Schedule Review Taskforce*, Orygen.
- 2015 **J Robinson, E Bailey, S Hetrick, S DeSilva, N Reavley, B Bassilios, ...**, *Developing a youth suicide prevention strategy for Tasmania: A review of the literature*, Orygen.
- 2015 **Orygen [Contributing author]**, *Current and emerging issues for National Health and Medical Research Council Fellowship Schemes*, Orygen.
- 2015 **Orygen [Lead author]**, *Senate inquiry submission: Medical Research Future Fund*, Orygen.
- 2015 **M Hamilton**, *The economic costs of communications inefficiency in Irish Hospital Pharmacy.*, Hospital Pharmacy News.
- 2013 **M Hamilton**, *Preliminary survey report: communications inefficiencies in Irish hospital medicines management: Cost impact and priorities for action.*, Leading Edge Group.
- 2012 **M Hamilton, J Aherne, T Fannon, and J Bishop..**, *Adding value to community pharmacy*, Leading Edge Group.
- 2011 **D Cappel, PD McGorry, IB Hickie, S Rosenberg., J Moran. and M Hamilton.**, *Including, connecting, contributing: A blueprint to transform mental health and social participation in Australia*, Independent Mental Health Reform Group.
- 2011 **PD McGorry P.D. and M Hamilton**, *Submission to the Senate Community Affairs Committee Inquiry into Commonwealth funding and administration of mental health services*, Orygen.
- 2011 **PD McGorry P.D. and M Hamilton**, *Ten year policy framework to support the mental health of young Australians*, Orygen.

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Software

R Code Libraries

26 August 2020 **Matthew Hamilton and Glen Wiesner**, *ready4fun(v0.0.0.9108)* - *Readyforwhatsnext Function Authoring And Documentation Tools*, github.com/readyforwhatsnext/ready4fun.

For the most up to date information about the software I develop visit:
<https://readyforwhatsnext.github.io/readyforwhatsnext/>

Presentations

- Webinar - **MP Hamilton**, *Supporting collaborative approaches to building better mental health models*, University of Sydney COVID Modelling Webinar. 2020
- Workshop - **MP Hamilton**, *A framework for modelling the predicted impact of policy options to promote mental health in young people*, University of Queensland, Brisbane. 2020
- Seminar - **A Parker, P Plencnerova, G Wiesner and MP Hamilton**, *A framework for modelling the anticipated impact of policy options to promote resilience in children and young people*, Victoria University, Melbourne. 2019
- Poster - **MP Hamilton, A MacDonald, R Callanan, S Prober, G Wiesner, P Plencnerova?**, *A novel, open source evidence synthesis and simulation toolkit to represent the changing spatial environment in which mental health policy is implemented*, International Conference on Youth Mental Health, Brisbane. 2019
- Seminar - **MP Hamilton and G Wiesner**, *Readyforwhatsnext: an open source framework for developing simulation models of emerging mental disorder*, Orygen, Melbourne. 2019
- Oral - **M Hamilton, A Parker, P Plencnerova, G Wiesner, J Karnon and C Mihalopoulos**, *A framework for modelling the anticipated impact of policy options to promote resilience in children and young people*, Society of Mental Health Research, Melbourne. 2019
- Seminar - **MP Hamilton**, *Developing open source tools in R for the synthesis, generation and analysis of youth mental health data*, Orygen, Melbourne. 2018
- Oral - **MP Hamilton**, *Developing an open source data analytic toolkit for optimising early psychosis services*, Society of Mental Health Research, Noosa. 2018

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- Oral - 2018 **MP Hamilton**, *EPSOS Toolkit Epidemiology module: Current status and future development*, Headspace Early Psychosis Program Forum - Perth.
- Seminar - **MP Hamilton**, *Mental health, wellbeing and resilience: Tools and frameworks for agent based models*, University of Adelaide.
2018
- Workshop - **S Walsh and MP Hamilton**, *Eliciting and valuing preferences in youth mental health. Discrete Choice Experiment Workshop*, Orygen, Melbourne.
2018
- Oral - 2017 **MP Hamilton**, *Improving the cost-effectiveness of early psychosis services: concepts, evidence and potential directions*, Australian Early Psychosis Research Network, Melbourne.
- Oral - 2017 **MP Hamilton**, *Introducing readyforwhatsnext: a collaboration between young people, researchers and policymakers to improve the resilience of young Victorians*, Resilience symposium, Orygen, Melbourne.
- Seminar - **MP Hamilton**, *Improving the mental health of young people: the roles of economists, policymakers and capable machines*, National University of Ireland Galway.
2017
- Oral - 2017 **MP Hamilton, SE Hetrick, C Mihalopoulos, D Baker, V Browne, Chanen A...**, *Initial outline of a clinical stage and preferences based comprehensive youth mental health model of care*, International Conference on Youth Mental Health, Dublin.
- Table top - **MP Hamilton and J Gillam**, *A meaningful conversation: explaining youth mental health to intelligent machines so they can explain it back (better) to us*, International Conference on Youth Mental Health, Dublin.
2017
- Seminar - **J Gillam and MP Hamilton**, *Youth mental health research in the era of intelligent machines*, Orygen, Melbourne.
2017
- Seminar - **MP Hamilton**, *Towards a theory of everything youth mental health: using simulation models to synthesise our synthesis*, Orygen, Melbourne.
2016
- Professional development - **MP Hamilton**, *Youth mental health simulation environment: project update*, Deakin University, Melbourne.
- 2016
- Professional development - **MP Hamilton**, *Youth mental health simulation environment: initial steps*, Deakin University, Melbourne.
- 2015

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Seminar - **MP Hamilton**, *How to use health economics to improve the impact of your research*, Orygen, Melbourne.

Poster - 2014 **MP Hamilton, D Ntais, CEM Griffith and LM Davies**, *Value for money in treating psoriasis? a systematic review of full economic evaluations of psoriasis therapies*, International Congress of Psoriasis, London.

Seminar - **MP Hamilton**, *An applied example of a programme grant team developing an economic decision model*, University of Manchester.

Grants

2017 **Principal investigator**, *readyforwhatsnext: a computer simulation model to identify optimal strategies for developing the resilience of young Victorians.*, VicHealth Innovation Research Grant - A\$200,000.

2017 **Co-investigator**, *ENTOURAGE: An interactive e-mentoring program to assist young men overcome social anxiety*, Movember Foundation - A\$200,000.

2017 **Co-investigator**, *Describing assessed need, service response and outcomes of young people seeking help for mental health problems in Gippsland*, Gippsland Primary Health Network - A\$59,000.

Teaching

2015-Present **Course Director, Leading Edge Group**, *Understanding and applying health economic tools and techniques*, Online.

2015 **Guest Lecturer, University of Manchester**, *Health economic evaluation lectures, epidemiology module, Masters of Clinical Rheumatology*, Manchester, UK.

2014 **Assessor, University of Manchester**, *Health economic evaluation module, Masters of Public Health*, Manchester, UK.

June 2014 **Presenter and Facilitator, Leading Edge Group**, *Health economics: evidence, outcomes and efficiency*, Toronto, Canada.

May 2014 **Presenter and Facilitator, Pfizer**, *Using health economic evidence to enhance hospital pharmacy outcomes*, Dublin, Ireland.

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- 2009 **Course Director, Presenter and Facilitator, Trust for the Americas,**
Become your own hero - decision making for better health, work and life, Six
Eastern Caribbean Countries.
- 2008 **Teacher, Fundacion Rose, Social studies,** Chimaltenango, Guatemala.

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