

KARINNA SAXBY

CURRICULUM VITAE



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EDUCATION

PhD - Centre for Health Economics, Monash Business School

Thesis: *Healthcare Use in Disadvantaged Groups* | **Supervisors:** Prof Dennis Petrie and A/Prof Sonja de New
Feb 2019 – Present. Completion March 2023.

Master of Science by Research - Wellcome Trust Program, University of York, UK

Thesis: *Combatting Infectious Disease: Computational Approaches in Translational Science*.
Oct 2015 - Sep 2016

Bachelor of Chemical Engineering (Hons) and Bachelor of Science - Monash University

Mar 2009 – Jul 2015

WORK EXPERIENCE

PhD Candidate and Research Fellow at Monash Centre for Health Economics

Aug 2017 – Present

- Thesis exploring how different supply and demand-side factors influence healthcare use among disadvantaged groups in Australia (focus on First Nations peoples, sexual and gender diverse (SGD) populations, and people with disability and mental health disorders). Specific thesis projects include:
 - Evaluation of [Indigenous Practice Incentives Program](#)
 - Quantification of the impact of stigma on mental health and health service use among SGD populations
 - Understanding [regional variation in mental healthcare](#) and mental health in Australia
- Analysis of repeated cross-sectional, longitudinal, and survey-linked administrative data (TTM, LSAC, HILDA, Lifepool, GCPS, NHS, HES, QHAPDC), including large-scale datasets (e.g. MADIP), as well as clinical trial and registry data. Primary use of Stata, Excel VBA, or R.
- Coordination and delivery of variety of research projects
 - Cost effectiveness analysis in smoking cessation and breast cancer treatment trials
 - Led data sample development of MADIP for Department of Health COVID-19 Mental Health Response
 - Led analysis investigating impact of working hours on mental health for people with disability for [WISE Disability Employment Services](#)
 - Monitoring Catastrophic Health Expenditure for the WHO
 - Reviewing MSAC submissions and Post Market Review of smoking cessation products for Department of Health.
- Presentation and dissemination of research findings via published reports, journal articles, conference presentations and workshops, coursework lectures, newspaper articles, radio interviews, etc.

Consultant at Evohealth

Feb 2019 – Present

- Project management, data analysis and support, stakeholder consultation, conducting workshops, economic modelling (Stata, Excel), supervision of consultants. Wide variety of clients (private sector, government, NGOs).
- Proposal methodology, costing, and timelines; setting key milestones; identification of risks and mitigation strategies; progress monitoring (e.g. via alignment to milestone timelines, internal and external project status meeting updates); and finalisation.

Founder and Executive Director of Horizon Mentors (Charity)

Oct 2016 – Dec 2017

Consultant at KPMG: Policy, Programs & Evaluation / Health, Ageing & Human Services

Sep 2016 – Aug 2017

- Data analysis, economic modelling and forecasting, stakeholder consultation, program evaluation.

Research Projects Officer at CSIRO

Feb 2014 – Jun 2014 / Dec 2012 – Jun 2013

Research Assistant at the University of Leeds Antimicrobial Research Centre, Leeds, UK

Nov 2013 – Jan 2014

PUBLICATIONS (SELECTED)

ECONOMICS PUBLICATIONS

Saxby K., Byrnes J, de New SC, Nghiem S & Petrie D. 2022. Does affirmative action reduce Indigenous disparities in healthcare use? Evidence from Australia's Indigenous Practice Incentives Program. *Health Economics*. [Accepted 18/12/2022, Submitted version attached to EJM application]. (PhD Paper)

Saxby K., 2022. Australia's LGBTIQ Research Data Landscape. *Australian Economic Review*. 55(2), 290-308. (PhD Paper) (SJR rank Q3)

Butterworth P, de New SC, Schilling C, **Saxby K.**, Petrie D & Wong C. 2021. Dynamics of Mental Health and Healthcare Use among Children and Young Adults. *Australian Economic Review*. 54(1), 130-142. (rank Q3)

Saxby K., de New S & Petrie D. 2020 Structural stigma and sexual orientation disparities in healthcare use: evidence from longitudinal Australian administrative data. *Social Science and Medicine*. 255, 113027 (PhD Paper) (SJR rank Q1)

PUBLIC HEALTH PUBLICATIONS

Saxby K., Ireland A, Ghijben P, Sweeney R, Sia KL, Chen E, Farrell M, McRobbie H, Courtney R & Petrie D. 2022. Household composition and smoking behaviour in a prospective longitudinal Australian cohort. *Nicotine & Tobacco Research* doi.org/10.1093/ntr/ntac270. (SJR rank Q1)

Saxby K., Chan C & Bavinton BR. 2021. Structural stigma and sexual health disparities among gay, bisexual, and other men who have sex with men in Australia. *JAIDS Journal of Acquired Immune Deficiency Syndromes*. 89(3), 241-250. (SJR rank Q1)

Saxby K., Nickson C, Mann GB, Bromley H, Velentzis L, Procopio P, Canfell K & Petrie D. 2020. The financial impact of a breast cancer diagnosis in Australia: Lessons from the Lifepool cohort. *Australian and New Zealand Journal of Public Health*. 44(3), 219-226. (SJR rank Q2)

Saxby K., Nickson C, Mann GB, Park L, Bromley H, Velentzis L, Procopio P, Canfell K & Petrie D. 2020. Moving beyond the stage: how characteristics at diagnosis dictate treatment and treatment-related quality of life year losses for women with early stage invasive breast cancer. *Expert Review of Pharmacoeconomics & Outcomes Research*. 21(4), 847-857 (SJR rank Q2)

McQuilten ZK, Higgins AM, Burns K, Chunilal S, Dunstan T, Haysom HE, Kaplan Z, Rushford K, **Saxby K.**, Tahiri R. 2019. The cost of blood: a study of the total cost of red blood cell transfusion in patients with β -thalassemia using time-driven activity-based costing. *Transfusion* 59:3386-3395. (SJR rank Q2)

WORK IN PROGRESS

Saxby K., Buchmueller T, de New SC & Petrie D. Regional variation in mental healthcare utilisation and suicides: Evidence from movers in Australia. (PhD Paper, Job Market Paper)

de New SC, Knott R & **Saxby K.** 2022. The Impact of Bushfires on Domestic Violence: Evidence from over 300 Fires.

Saxby K., Beecher A, Kelk, Ye L, Dickinson H, Petrie D, Kavanagh A & Aitken Z. Working hours and mental healthcare use among disability support recipients: evidence from Census-linked administrative data in Australia.

Baker A, McCarter K, Turner A, Segan C, Castle D, Brophy L, ..., Ireland I, **Saxby K.**, Ghijben P, Petrie D & Sweeney R. 'Quitlink': Outcomes of a randomized controlled trial of peer researcher facilitated referral to a tailored quitline tobacco treatment for people receiving mental health services

RESEARCH GRANTS

- 2022 – Department of Health “COVID-19 Mental Health Response and data sheets” (Petrie, Butterworth, Schilling, de New, Harris, **Saxby**) – AUD 1,200,000
- 2021 – World Health Organisation “Monitoring catastrophic and impoverishing health spending in Australia” (**Saxby**, Badji, Petrie) – AUD 17,683
- 2020 – Department of Health “COVID-19 Mental Health Response” (Petrie, Butterworth, Schilling, de New, Harris, **Saxby**) – AUD 1,000,000
- 2020 – Breast Cancer Trials “Economic Evaluation Proposal for PROSPECT” (Mann, Petrie, **Saxby**) – AUD 70,600
- 2019 – Medical Services Advisory Committee, Department of Health. (Petrie, McQuilten, Wood, **Saxby**, Woode, Carrillo de Albornoz) – AUD 188,000.
- 2016 – University of Melbourne Equity Innovation Grant (**Saxby**, Huntington) - AUD 36,000

AWARDS AND OTHER ACADEMIC CONTRIBUTIONS

AWARDS

- 2022 – American Economic Association research award for Outstanding Research Contribution in LGBTQ+ Economics
- 2020 – Dean’s Award for Equity, Diversity, and Social Inclusion Research Excellence Team
- 2020 – Dean’s Equity, Diversity, and Social Inclusion Student Award
- 2020 – Runner-up, Best Student Paper Award 2020 Australian Gender Economics Workshop
- 2019 – Winner, Best Presentation at 41st Australian Health Economics Society Conference

RESEARCH DISSEMINATION & IMPACT (SELECTED)

- 2022, 2021, 2020, 2019 – Australian Health Economics Newsletter
- 2022 – JoyFM: [How your postcode can impact your sexual health.](#)
- 2021 – Pharmaceutical Society of Australia eLecture: [Healthcare use in disadvantaged groups](#)
- 2021 - The Conversation: [The religious discrimination bill is not just words – it will make LGBTIQ+ Australians sick](#)
- 2020 – RACGP: [Stigma affecting the health of Australians in same-sex relationships](#)
- 2020 – Monash Lens: [LGBTQI, stigma and community barriers to healthcare](#)
- 2020 – Pharmacy Magazine: [Study Reveals Young Adults Don’t Seek The Help They Need](#)
- 2020 – Pink Hope: [Out-of-pocket expenses for Breast Cancer patients](#)
- 2020 – Herald Sun: [Breast screenings keep cancer costs in check](#)

MEMBERSHIPS, REVIEW CONTRIBUTIONS

- 2022 – present: Centre of Research Excellence in Disability and Health Affiliate
- Reviewer for Social Science and Medicine, Mental Health & Prevention, Gender and Sexuality at Work Conference, Lancet eClinicalMedicine, PharmacoEconomics Open.

PRESENTATIONS, WORKSHOPS, & CONFERENCES

- 2022, 2021, 2020, 2019, 2018 – Australian Health Economics Society (AHES) Conference
- 2022 – Workshop on the Economics of Health
- 2021 – International Health Economics Association (IHEA) poster session
- 2021 – Linked Data for Better Health: Policy and Practice Forum, Canberra
- 2021, 2020 – Australian Gender Economics Workshop (AGEW)
- 2020 – Invited speaker Monash University Diversity and Inclusion Panel

REFERENCES

Prof Dennis Petrie
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