

Curriculum Vitae

Dr Kerrie Wiley

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I am a [Senior Research Fellow and NHMRC Emerging Leadership Fellow](#) with the University of Sydney's School of Public Health and Sydney Infectious Diseases Institute. I hold a prestigious Horizon Fellowship that is developing tools, data and approaches that will change how low vaccine uptake is understood and addressed around the world. I have a uniquely rounded technical grounding, trained in qualitative and quantitative social research methods, epidemiology and clinical microbiology, and have experience in academic and industry research, public health policy and practice research, and clinical diagnostic microbiology.

QUALIFICATIONS

2010 - 2014

Doctor of Philosophy

Discipline of Paediatric and Child Health,
The University of Sydney

- *NHMRC Postgraduate Scholarship holder*
- *DPCH Annual Conference Medical Staff Council, Children's Hospital at Westmead Prize for Excellence.*
- *PhD conferred 9th May 2014*

2009 - 2010

Master of Science in Medicine (Clinical Epidemiology)

School of Public Health,
The University of Sydney

- *Conferred 7th December 2010*

1993 – 1999

Bachelor of Science in Biomedical Science

University of Technology, Sydney

- *Part time student while completing Hospital Scientist Traineeship*

CAREER DETAILS

Current

Senior Lecturer, Sydney Horizons Fellow, NHMRC Emerging Leadership Fellow and co-lead, Social and Behavioural Insights in Immunisation Research Group, School of Public Health, Faculty of Medicine and Health, University of Sydney, 2024-

Past

Senior Research Fellow, NHMRC Emerging Leadership Fellow and co-lead, Social and Behavioural Insights in Immunisation Research Group, School of Public Health, Faculty of Medicine and Health, University of Sydney, 2022-2024

Senior Research Fellow, University of Sydney School of Public Health (0.4 – 0.6 FTE), 2021-2022

Research Fellow, University of Sydney School of Public Health (0.6 FTE), 2017-2021

Manager Social Science Group, Manager Communications Group, National Centre for Immunisation Research & Surveillance; and **Research Fellow**, University of Sydney School of Public Health (0.2 - 0.8 FTE), 2014-2017

Research Fellow, National Centre for Immunisation Research & Surveillance; and University of Sydney School of Public Health (0.6 FTE), 2013-2014

Research Assistant, Social Science Group, National Centre for Immunisation Research & Surveillance / PhD Candidate, University of Sydney (0.8 FTE), 2010 - 2013

Research Assistant, Evidence Based Policy Group, National Centre for Immunisation Research & Surveillance (0.6FTE), 2010

Technical Assurance Project Leader, Johnson & Johnson Pacific, 2007-2009

Process Improvement Coordinator, Pfizer Australia / Johnson & Johnson Pacific, 2002-2007

Technical Services Project Chemist / Statistical Systems & Processes Specialist, Pfizer Australia. 1999-2002

Scientist, Absorbent Products Research and Development, Johnson & Johnson Pacific, 1996-1999

Trainee Hospital Scientist, Mona Vale District Hospital Pathology Laboratory, 1993-1996

Career disruption

Part-time employment (0.2-0.8FTE) due to carer responsibilities, 2010 - 2022

Full time study, 2009

Maternity Leave, December 2005 - December 2006

Maternity leave, July 2004 – May 2005

COMMITTEES AND PROFESSIONAL SERVICE ROLES

International

- Member, *WHO South East Asia Immunization Technical Advisory Group*, 2023 - ongoing
- Member, *Working Group developing guidance on social and behavioural research for community protection in public health emergencies*, WHO Health Emergencies Core Capabilities department, 2025 – ongoing
- Member, *Working Group on Measuring Behavioural and Social Drivers of Vaccination*, WHO Department on Immunization, Vaccines and Biologicals, 2018- 2022
- Reviewer, *COVID-10 vaccine communications plan*, Papua New Guinea Department of Health, 2021
- Reviewer, *COVID-10 vaccine communications plan*, Solomon Islands Department of Health, 2021
- Reviewer, *Adverse Events Following Immunisation Communications Module*, WHO Western Pacific Region, 2021

National

- Submitter, *Federal Government National Immunisation Strategy Public Consultation*, 2024
- Member of steering group, *Australian Regional Alliance on Immunisation*, 2021 – ongoing
- Technical content developer: *The Science of Immunisation* online modules for yr 9-10 students, 2022 (<https://omega.org.au/>)
- Member of steering group, *Collaboration on Social Science in Immunisation*, 2018 - ongoing
- Co-founder and co-chair of steering group, *Collaboration on Social Science in Immunisation*, 2016-2018
- Submitter, *Australian Government Senate No Jab No Pay amendment bill*, October 2015(cited in committee recommendation 2, section 2.89).
- Advisor, *NSW Office of Premier and Cabinet on social science issues surrounding influenza in pregnancy*, 2014
- Technical contributor, *MD Briefcase online training module for GPs*, 2017
- Advisor, *National Immunisation Council (Canberra) on maternal immunisation and childhood vaccine coverage gaps* 2015 and 2016
- Advisor, *Light for Riley advocacy group* 2014-2017
- Speaker, professional development talks to primary care and public health professionals, multiple NSW and QLD Public Health Units and Public Health Networks 2012-2023

University

- Member, School of Public Health Workload Allocation Policy Implementation Group, 2025
- Member, Collaboration & Skill Mapping working group SSPH, 2024
- Mentor, Faculty of Medicine and Health NHMRC Investigator Gant mentoring program, 2023-2024
- Designated Mental Health First Aid responder, SSPH, 2023 – ongoing
- HDR progress evaluation panel member, 2023-2025
- Co-lead, Marie Bashir Institute Ethics and Politics of Infection node, 2019-2020
- HDR project management training (group and individual) 2015-2024
- Member, National Centre for Immunisation Research and Surveillance Leadership Team, 2014-2017
- Member, National Centre for Immunisation Research and Surveillance Academic committee, 2014-2016
- Member, National Centre for Immunisation Research and Surveillance Journal Club, 2014-2017
- Secretariat support, Sydney School of Public Health Shared Decision-Making Hub, 2014

Peer reviewer

Grant agencies

- NHMRC Investigator Grants 2022, 2024
- Telethon Kids Westfarmers Catalyst Grants Program 2023,2024
- NHMRC, Project Grants 2018
- Channel 7 Children's Research Foundation 2016

Journals

1. BMC Pregnancy and Childbirth
 2. BMC Infectious Diseases
 3. Cochrane Reviews
 4. Epidemiology and infection
 5. Expert Review of Vaccines
 6. Health Policy
 7. Expert Review of Vaccines
 8. ISRN Preventive Medicine
 9. Medical Journal of Australia
 10. Plos One
 11. The Australian and New Zealand Journal of Obstetrics and Gynaecology
 12. Vaccine
 13. Influenza and other respiratory viruses
 14. Public Health Research & Practice
 15. International Journal of Environmental Research and Public Health
 16. Infectious Diseases in Obstetrics and Gynecology
 17. Public Health
 18. Social Science in Medicine
 19. Epidemiology and Infection
 20. Child
 21. Australian Journal of Rural Health
 22. BMJ Global Health
 23. Trials
 24. Journal of clinical Practice
 25. Technological Forecasting & Social Change
 26. Plos Global Public Health
 27. Frontiers in Global Health
 28. F1000 Research
 29. BMC Health Services
 30. Global Health Promotion
 31. Scientific Reports
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PUBLICATIONS

H-index 25 (Google Scholar)

Field Weighted Citation Index 2.18 (Scopus, Vaccine Policy; Public Health)

Ranked 14th in top 100 scholars globally for vaccine policy (Scopus)

2025

1. **Kerrie E Wiley**, Catherine King, Holly Seale, Degeling C. Optimising our response to a H5N1 avian influenza pandemic – preparing to protect those working at the human-animal interface *Medical Journal of Australia*. (2025)Apr 23
2. Tran LTV, Barnes AC, Samsing F, Vu, Ut N, **Wiley K**. Striped Catfish (*Pangasianodon hypophthalmus*) Farmers' Perspectives on Challenges and Health Management Practices in the Mekong Delta, Vietnam: A Qualitative Study *Preventive Veterinary Medicine*. 2024; 239:106527
3. Robitaille J, Esser K, King C, Leask J, **Wiley K**, Vigod S, Rodin G, Bolotin S, & G, S. (2025). The Relationship Between Postpartum Depression and Timely Child Vaccination: A Systematic Review. *Vaccines*. 2025;13(3):222
4. Leask J, Christou-Ergos M, Abdi I, M. F., Sabahelzain MM, **Wiley KE**, Lambach P, & SY, S. (2025). Informing the development of transmission modelling guidance for global immunization decision-making: A qualitative needs assessment. *Vaccine*; 2025;49:126800

2024

5. Laidlow, T., Johnston, E., Zadoks, R., Walsh, M., Viana, M., **Wiley, K.**, Singh, B., Baldini, F., Dhanze, H., Webb, C., & Brookes, V. (2024). Scoping Review of Japanese Encephalitis Virus Transmission Models. *Transboundary and Emerging Diseases*. 2025;9880670
6. Costa, V., Whittington, R., Llewellyn, M., Caraguel, C., Becker, J., **Wiley, K.**, Huynh, C., Carson, J., & Samsing, F. (2024). Optimising outbreak investigation, surveillance and discovery of infectious diseases in aquaculture using unbiased metagenomics *Reviews in Aquaculture*; 2024;17:e13002
7. Robinson, P., Degeling, C., **Wiley, K.**, Carter, S., & Leask, J. (2024). Evidence gaps and challenges in maintaining and increasing vaccine uptake: A Delphi survey with Australian stakeholders. *Health Promotion Journal of Australia*. <https://doi.org/https://doi.org/10.1002/hpja.875>
8. Attwell, K., **Wiley, K.**, Leask, J., Seale, H., Carlson, S. J., Cashman, P., Karras, J., Danchin, M., & Kaufman, J. (2024). The collaboration on social science and immunisation (COSSI): Global lessons from a successful Australian research and practice network. *Vaccine*. doi:<https://doi.org/10.1016/j.vaccine.2024.01.107>
9. Degeling, C., Leask, J., Attwell, K., Wood, N., Braunack-Mayer, A., **Wiley, K.**, Ward, P., & Carter, S. M. (2024). Public values to guide childhood vaccination mandates: A report on four Australian community juries. *Health Expectations*, 27(1), e13936. doi:<https://doi.org/10.1111/hex.13936>
10. Khandaker, G., Chapman, G., Khan, A., Al Imam, M. H., Menzies, R., Smoll, N., Walker, J., Kirk, M., & **Wiley, K.** (2024). Evaluating Pilot Implementation of 'PenCS Flu Topbar' App in Medical Practices to Improve National Immunisation Program–Funded Seasonal Influenza Vaccination in Central Queensland, Australia. *Influenza and Other Respiratory Viruses*, 18(4), e13280. <https://doi.org/https://doi.org/10.1111/irv.13280>

2023

11. **Wiley, K.**, Christou-Ergos, M., Degeling, C. *et al*. Childhood vaccine refusal and what to do about it: a systematic review of the ethical literature. *BMC Med Ethics* 24, 96 (2023). <https://doi.org/10.1186/s12910-023-00978-x>

12. Kropich-Grant, J.N., **K.E. Wiley**, J. Manyweathers, K.R. Thompson, and V.J. Brookes, Communication Interventions and Assessment of Drivers for Hendra Virus Vaccination Uptake. *Vaccines*, 2023. 11(5): p. 936.
13. Christou-Ergos, M., **K.E. Wiley**, and J. Leask, *Association between traumatic life events and vaccine hesitancy: A cross-sectional Australian study*. *Public Health*, 2023. **216**: p. 1-6.
14. Christou-Ergos, M., **Wiley, K. E.**, & Leask, J. Willingness to receive a vaccine is influenced by adverse events following immunisation experienced by others. *Vaccine*. 2023 Vol. 41 Issue 1 Pages 246-50
15. Robinson, P. A., Levy, D. C., Hooker, C., Shaban, R. Z., Nahidi, S., Leask, J., & **Wiley, K. E.** COVID-19 testing decisions and behaviours in two Australian cities. *Health Promotion Journal of Australia* 2023 Vol. 34 Issue 2 Pages 587-594

2022

16. World Health Organization, Understanding the behavioural and social drivers of vaccine uptake WHO position paper – May 2022. *Weekly Epidemiological Record = Relevé épidémiologique hebdomadaire*, 2022. 20(97): p. 209-224
17. Rikard-Bell, M., Elhindi, J., Lam, J., Seeho, S., Black, K., Melov, S., Jenkins G, McNab J, **Wiley K**, Pasupathy, D. (2022). COVID-19 vaccine acceptance among pregnant women and the reasons for hesitancy. A multicentre cross-sectional survey. *Australian and New Zealand Journal of Obstetrics and Gynaecology* 63(3):335-43.
18. Christou-Ergos, M., Leask, J., & **Wiley, K. E.** (2022). How the experience of medical trauma shapes Australian non-vaccinating parents' vaccine refusal for their children: A qualitative exploration. *SSM - Qualitative Research in Health*, 2, 100143. doi:<https://doi.org/10.1016/j.ssmqr.2022.100143>
19. Christou-Ergos, M., **Wiley, K. E.**, Leask, J., & Shapiro, G. K. (2022). Traumatic Events and Vaccination Decisions: A Systematic Review. *Vaccines*, 10, 911. doi:<https://doi.org/10.3390/vaccines10060911>
20. **Wiley, K.**, Robinson, P., Degeling, C., Ward, P., Leask, J., & Carter, S. (2022). "Get your own house in order": Qualitative dialogue groups with non-vaccinating parents on how measles outbreaks in their community should be managed. *Health Expectations*, 25(4):1678-90.
21. Jalloh, M. F., Patel, P., Stutton, R., Kulkarni, S., Toure, M., **Wiley, K.**, Sessay, T., Lahuerta, M., & Sierra Leone Urban Information Needs Assessment Group. (2022). Qualitative assessment of caregiver experiences when navigating childhood immunisation in urban communities in Sierra Leone. *BMJ Open*, e058203.
22. Chapman, G., Imam, M., Khan, A., Smoll, N., Adegbija, O., Kirk, M., Khandaker, G., & **Wiley, K.** (2022). "Scary to get, more scary not to": COVID-19 vaccine acceptance among healthcare worker's in Central Queensland, Australia, a cross sectional survey. *Communicable Diseases Intelligence*, 46, Epub 19/15/2022. doi:<https://doi.org/10.33321/cdi.2022.46.30>

2021

23. Shapiro, G. K., Gottfredson, N., Leask, J., **Wiley, K.**, Ganter-Restrepo, F. E., Jones, S. P., . . . Brewer, N. T. (2021). COVID-19 and missed or delayed vaccination in 26 middle-and high-income countries: An observational survey. *Vaccine*. 40(6):945-52.
24. Court, J., Carter, S. M., Attwell, K., Leask, J., & **Wiley, K. E.** (2021). Labels Matter: Use and non-use of 'anti-vax' framing in Australian media discourse 2008-2018. *Social Science and Medicine*, 291, 114502.
25. **Wiley KE**, Leask J, Attwell K, Helps C, Barclay L, Ward PR, & Carter SM. (2021). Stigmatized for standing up for my child: A qualitative study of non-vaccinating parents in Australia. *Social Science and Medicine - Population Health*, 16, 100926.

26. **Wiley, K. E.**, Levy, D., Shapiro, G. K., Dube, E., SteelFisher, G. K., Sevdalis, N., . . . Leask, J. (2021). A user-centered approach to developing a new tool measuring the behavioural and social drivers of vaccination. *Vaccine*, 39(42), 6283-6290. doi:https://doi.org/10.1016/j.vaccine.2021.09.007
27. Leask J, Seale H, Williams JH, Kaufman J, **Wiley K**, Mahimbo A, Clark KK, Danchin MH, Attwell K. Policy considerations for mandatory COVID-19 vaccination from the Collaboration on Social Science and Immunisation. *Medical Journal of Australia*. 2021;215(11):499-503
28. Leask, J., S. Carlson, K. Attwell, K. Clark, J. Kaufman, C. Hughes, J. Frawley, P. Cashman, H. Seale, **K. Wiley**, K. Bolsewicz, M. Steffens, and M. Danchin, Communicating with patients and the public about COVID-19 vaccine safety: recommendations from the Collaboration on Social Science and Immunisation. *Med J Aust*. 2021;215(1):9-12.
29. Shapiro GK, Kaufman J, Brewer NT, **Wiley KE**, Menning L, Leask J, & BeSD Working Group. (2021). A critical review of measures of childhood vaccine confidence. *Current Opinion in Immunology*, 71:34-45.
30. Robinson, P., **Wiley, K.**, & Degeling, C. (2021). Public health practitioner perspectives on dealing with measles outbreaks if high antivaccination sentiment is present. *BMC Public Health*, 21, 578.
31. Frawley, J., McKenzie, K., Janosi, J., Forssman, B., Sullivan, E., & **Wiley, K.** (2021). The Role of Complementary and Alternative Medicine Practitioners in the Information-seeking Pathway of Vaccine-hesitant Parents in the Blue Mountains area, Australia. *Health & Social Care in the Community*; 29(6):e368-76.
32. Carlson SJ, McRae JE, **Wiley KE**, Leask J, & K., M. (2021). Knowledge, attitudes, and practices regarding influenza among parents of infants hospitalised for acute respiratory infection in Australia. *Public Health Research and Practice*. 32(4)

2020

33. Steffens, M., Dunn, A., Leask, J., & **Wiley, K.** (2020). Using social media for vaccination promotion: practices and challenges. *Digital Health*, vol. 5.
34. Power, R., **Wiley, K.**, Muhit, M., Heanoy, E., Karim, T., Badawi, N., & Khandaker, G. (2020). 'Flower of the body': menstrual experiences and needs of young adolescent women with cerebral palsy in Bangladesh, and their mothers providing menstrual support. *BMC Women's Health*, 20(1), 160. doi:10.1186/s12905-020-01032-3
35. **Wiley, K. E.**, Leask, J., Attwell, K., Helps, C., Degeling, C., Ward, P., & Carter, S. M. (2020). Parenting and the vaccine refusal process: a new explanation of the relationship between lifestyle and vaccination trajectories. *Social Science and Medicine* vol 263, October 2020, 113259.
36. Alqahtani AS, Alsharif SA, Garnan MA, Tashani M, BinDhim NF, Heywood AE, Booy R, **Wiley KE**, Rashid H. The Impact of Receiving Pretravel Health Advice on the Prevention of Hajj-Related Illnesses Among Australian Pilgrims: Cohort Study. *JMIR Public Health Surveill*. 2020;6(3):e10959.
37. Frawley, J. E., McKenzie, K., Forssman, B. L., Sullivan, E., & **Wiley, K.** (2020). Exploring complementary medicine practitioners' attitudes towards the use of an immunization decision aid, and its potential acceptability for use with clients to reduce vaccine related decisional conflict. *Human Vaccines & Immunotherapeutics*; 17(2):588-91. doi:10.1080/21645515.2020.1787069
38. Alqahtani AS, Tashani M, Heywood AE, Almohammed ABS, Booy R, **Wiley KE**, Rashid, H. Tracking Australian Hajj Pilgrims' Health Behavior before, during and after Hajj, and the Effective Use of Preventive Measures in Reducing Hajj-Related Illness: A Cohort Study. *Pharmacy*. 2020;8:78.
39. Kaufman J, Attwell K, Tuckerman J, O'Sullivan J, Omer; SB, Leask J, Regan A, Marshall H, Lee KJ, Snelling T, Perrett K, **Wiley K**, Giles M, Danchin M. Feasibility and acceptability of the multi-component P3-MumBubVax antenatal intervention to promote maternal and childhood vaccination: a pilot study. *Vaccine*, 2020. 38 (24) 4024-4031.

2019

40. **Wiley, K.E.**, J. Walker, T. Lower, P.D. Massey, D.N. Durrheim, and G. Khandaker, Australian Beef Industry Worker's Knowledge, Attitudes and Practices Regarding Q Fever: A Pilot Study. *Vaccine*, 2019.
41. **Wiley, K.E.**, J. Leask, M.A. Burgess, and P.B. McIntyre, PhD thesis opposing immunisation: Failure of academic rigour with real-world consequences. *Vaccine*, 2019. 37(12): p. 1541-1545.
42. Steffens, M., A. Dunn, **K. Wiley**, and J. Leask, How organisations promoting vaccination respond to misinformation on social media: a qualitative investigation. *BMC Public Health*, 19, Article 1348 (2019).

2018

43. King, C.L., M.Y. Chow, J. Leask, and **K.E. Wiley**, Australian caregivers' perceptions of influenza vaccination in pregnancy: a mixed methods exploration *Women and Birth*, 2018. 32(3): p. 240-245.
44. King Catherine L., Chow Maria Y. K., **Wiley Kerrie E.**, and Leask Julie, Much ado about flu: A mixed methods study of parental perceptions, trust and information seeking in a pandemic. *Influenza and Other Respiratory Viruses*, 2018. 12(4): p. 514 - 521.
45. Danchin, M.H., J. Costa-Pinto, K. Atwell, H. Willaby, **K. Wiley**, M. Hoq, J. Leask, K.P. Perrett, J. O'Keefe, M.L. Giles, and H. Marshall, Vaccine decision-making begins in pregnancy: Correlation between vaccine concerns, intentions and maternal vaccination with subsequent childhood vaccine uptake. *Vaccine*, 2018. 36(44): p. 6473 - 6479.
46. Attwell, K., **K.E. Wiley**, C. Waddington, J. Leask, and T. Snelling, Midwives' attitudes, beliefs and concerns about childhood vaccination: A review of the global literature. *Vaccine*, 2018.
47. Alqahtani, A.S., M. Tashani, A. Heywood, R. Booy, H. Rashid, and **K.E. Wiley**, "Exploring Australian Hajj tour operators' knowledge and practices regarding pilgrims' health risks: A qualitative study". *JMIR Public Health and Surveillance*, 2018. 5(2).
48. Alqahtani, A.S., M. Fakeerh, D. Bondagji, S. Park, A.E. Heywood, **K.E. Wiley**, R. Booy, and H. Rashid, Hand hygiene compliance and effectiveness against respiratory infections among Hajj pilgrims: a systematic review. *Infectious disorders drug targets*, 2018.

2017

49. **Wiley, K.E.**, M. Steffens, N. Berry, and J. Leask, An audit of the quality of online immunisation information available to Australian parents. *BMC Public Health*, 2017. 17(1): p. 76.
50. **Wiley, K.**, A. Regan, and P.B. McIntyre, Immunisation and pregnancy – who, what, when and why? *Australian Prescriber*, 2017. 40(4): p. 122-4.
51. Alqahtani, A.S., K. Yamazaki, W.H. Alqahtani, M. Tashani, A.E. Heywood, R. Booy, **K.E. Wiley**, and H. Rashid, Australian Hajj pilgrims' perception about mass casualty incidents versus emerging infections at Hajj. *Travel Medicine and Infectious Disease*, 2017. 15: p. 81-83.

2016

52. Alqahtani, A.S., **K.E. Wiley**, M. Tashani, A.E. Heywood, H.W. Willaby, N.F. BinDhim, and R. Booy, Camel exposure and knowledge about MERS-CoV among Australian Hajj pilgrims in 2014. *Virilogica Sinica*, 2016. 31(1): p. 89-93.
53. Alqahtani, A.S., **K.E. Wiley**, S.M. Mushta, K. Yamazaki, N.F. BDhim, A. Heywood, R. Booy, and H. Rashid, Association between Australian Hajj Pilgrims' awareness of MERS-CoV, and their compliance with preventive measures and exposure to camels. *Journal of Travel Medicine*, 2016. 23(5).

54. Alqahtani, A., **K. Wiley**, M. Tashani, H. Willaby, A. Heywood, and H. Rashid, Exploring barriers to and facilitators of preventive measures against infectious diseases Among Australia Hajj pilgrims:cross-sectional studies before and after Hajj. *International Journal of Infectious diseases*, 2016. 47: p. 53-59.

2015

55. **Wiley, K.E.**, S.C. Cooper, N. Wood, and J. Leask, Understanding Pregnant Women's Attitudes and Behavior Toward Influenza and Pertussis Vaccination. *Qualitative Health Research*, 2015. 25(3): p. 360-370.
56. Alqahtani, A.S., M. Sheikh, **K. Wiley**, and A.E. Heywood, Australian Hajj pilgrims' infection control beliefs and practices: Insight with implications for public health approaches. *Travel Medicine and Infectious Disease*, 2015. 13(4): p. 329 - 334.
57. Alqahtani, A.S., N.F. BinDhim, M. Tashani, H.W. Willaby, **K.E. Wiley**, A.E. Heywood, R. Booy, and H. Rashid, Pilot use of a novel smartphone application to track traveller health behaviour and collect infectious disease data during a mass gathering: Hajj pilgrimage 2014. *J Epidemiol Glob Health*, 2015.
58. Alqahtani, A., **K. Wiley**, H. Willaby, N. BinDhim, M. Tashani, A. Heywood, R. Booy, and H. Rashid, Australian Hajj pilgrims' knowledge, attitude and perception about Ebola, November 2014 to February 2015. *Eurosurveillance*, 2015. 20(12).

2011-2014

59. Maher, L., A. Dawson, **K. Wiley**, K. Hope, S. Torvaldsen, G. Lawrence, and S. Conaty, Influenza vaccination during pregnancy: a qualitative study of the knowledge, attitudes, beliefs, and practices of general practitioners in Central and South-Western Sydney. *BMC Family Practice*, 2014. 15(1): p. 102.
60. **Wiley, K.E.**, Y. Zuo, K.K. Macartney, and P.B. McIntyre, Sources of pertussis infection in young infants: A review of key evidence informing targeting of the cocoon strategy. *Vaccine*, 2013. 31: p. 618-625.
61. **Wiley, K.E.**, P.D. Massey, S.C. Cooper, N.J. Wood, J. Ho, H.E. Quinn, and J. Leask, Uptake of influenza vaccine by pregnant women: a cross-sectional survey. *The Medical Journal of Australia*, 2013. 198(7): p. 373-375.
62. **Wiley, K.E.**, P.D. Massey, S.C. Cooper, N. Wood, H.E. Quinn, and J. Leask, Pregnant women's intention to take up a post-partum pertussis vaccine, and their willingness to take up the vaccine while pregnant: A cross sectional survey. *Vaccine*, 2013. 31(37): p. 3972-3978.
63. **Wiley, K.E.** and J. Leask, Respiratory vaccine uptake during pregnancy. *Lancet Respiratory Medicine*, 2013. 1: p. 9-11.
64. Maher, L., K. Hope, S. Torvaldsen, G. Lawrence, A. Dawson, **K.E. Wiley**, D. Thomson, A. Hayan, and S. Conaty, Influenza vaccination during pregnancy: coverage rates and influencing factors in two urban districts in Sydney. *Vaccine*, 2013. 31: p. 5557-5564.
65. McGee, R.G., A. Bakens, **K. Wiley**, S.M. Riordan, and A.C. Webster, Probiotics for patients with hepatic encephalopathy. *Cochrane Database of Systematic Reviews*, 2011(11).

Other reports and articles

1. Campbell E, Batten N, King C, Frawley J, Attwell K, Danchin M, **Wiley K**, for the Collaboration on Social Science in Immunisation. Embedding social science into public health and disease control: Informing best practice for the Australian Centre for Disease Control. December 2024.

2. **Kerrie Wiley**, Jane Frawley, Catherine King, Nicole Batten, Katie Attwell, Maryke Steffens, Julie Leask, and on behalf of Collaboration on Social Science in Immunisation, *Social science must be key component of future Australian Centres for Disease Control*, in *In Touch Public Health*. 2022, 1public Health Association of Australia: Canberra.
3. **Wiley, K.**, & Leask, J. (2022). Global Health Security Network Policy Report: The Drivers of COVID-19 Vaccine Uptake and Strategies to Increase Vaccination Rates.
4. Carlson S, **Wiley K**, and P, M. 'No Vax, No Visit'? If mum was vaccinated baby is already protected against whooping cough'. *The Conversation*, 2016.
5. Seale H, Leask J, Danchin M, Attwell K, Clark K, Cashman P, Frawley J, Kaufman J, and **Wiley K**, A COVID-19 vaccination strategy to support uptake amongst Australians: Working paper. 2020, Collaboration on Social Science in Immunisation: Sydney.

Thesis

Wiley, K.E., *A mixed methods study of maternal influenza and pertussis vaccination behaviours during pregnancy and the post-partum period.*, in *Sydney Medical School, Discipline of Paediatrics and Child Health*. 2013, University of Sydney: Sydney.

GRANT FUNDING

Category 1

1. NHMRC Investigator Grant (EL1). *Integrating social science evidence into the fight against vaccine-preventable and vector-borne diseases in the Australasian, South East Asian and Pacific regions*. \$650,740. 2022-2027.
2. Associate Investigator. NHMRC project grant, *Developing evidence based strategies for addressing childhood vaccination rejection*. 2017-2022. Leask J, Carter S, Ward P, Barclay L, Degeling C. (AI status relinquished in 2017 to take up position as lead project researcher). \$743,927. 2017-2021
3. Associate Investigator. NHMRC partnership grant. *Reducing vaccine preventable diseases in children: using national active hospital-based surveillance to evaluate and improve immunisation program performance*. Macartney K, Blythe C, Marshall H, Leask J, McIntyre P, Elliott E, Snelling T, Clark J, Buttery J, Wood N. \$1,049,916. 2016 – 2019
4. NHMRC Post Graduate Scholarship. *Maternal vaccination: perceptions, behaviours and a communication intervention*. \$38,631. 2012 – 2013.

Category 2, 3 and other

1. Sydney Horizon Fellowship. *Protecting Human and Animal Health and Supporting Sustainable Agriculture: Integrating social science evidence into the global fight against vaccine-preventable and vector-borne diseases*. \$775,000. 2024-2029
2. Investigator. Sydney Ignition Grants Scheme. *Next-generation Aquaculture Diagnostic Workshop: Identifying diagnostic needs and barriers for the adoption of novel technologies*. Llewellyn M, Samsing-Pedrals F, **Wiley K**, Costa V, Caraguel C, Forde T, Pope M, Huynh C. \$50,095. 2024-2025.
3. Investigator. Australian Government Fisheries Research and development Corporation. *Assessing the future needs of Australia's aquatic animal disease diagnostic system*. Fransisca Samsing-Pedrals F, **Wiley K**, Whittington R, Caraguel C, Becker J, Carson J, Huynh C. \$342,866. 2023-2025.
4. Chief Investigator. Sydney Ignition Grants Scheme. *Towards sustainable aquaculture: Assessing priority diseases, diagnostic needs, and knowledge, attitudes and practices around vaccination in the aquaculture*

- industry in Tanzania. **Wiley K**, Forde T, Samsing-Pedrals F, George J, Mdgela R, Gray C, Mendes J, Crumlish M. \$18,045. 2023
5. Investigator. Canadian Cancer Society Emerging Scholar Research Grant. *Evaluating the barriers to HPV vaccination in Canada using a novel tool: A longitudinal mixed methods study*. Shapiro, G., Bandara, T., Brewer, N., Bolotin, S., Dubé, È., Knäuper, B., Menning, L., Presseau, J., & **Wiley, K.**; Community Partners: Cameron, G., & Krose, K. \$589,935. 2023-2028.
 6. Investigator. Canadian Immunization Research Network Bridge Funding Scheme. *Investigating the Behavioural and Social Drivers of HPV Vaccination*. Shapiro, G., Bandara, T., Brewer, N., Bolotin, S., Dubé, È., Knäuper, B., Menning, L., Presseau, J., & **Wiley, K.**; Community Partners: Cameron, G., & Krose, K. \$165,428. 2023-2024
 7. Investigator, World Health Organization, *COVID-19 vaccine confidence and uptake – guidance and documentation*. J Leask and **K Wiley**. \$286,950 2022-2023
 8. Investigator. UNICEF East Asia and Pacific Office. *Perceptions and demand for routine immunisation and other maternal child health services during COVID-19 pandemic among caregivers and healthcare workers in Indonesia*. Julie Leask, **Kerrie Wiley**, Mu Li, Meru Sheel, Margie Danchin, Kylie Jenkins, Tri Yunis Miko Wahyono, Oktarinda. \$342,420. 2021-2022.
 9. Investigator. Seed funding - CRE in Emerging Infectious Diseases, Marie Bashir Institute. *COVID-19 household risk perception and management*. Leask J, Levy D, Shaban R, **Wiley K**, Hooker C, Danchin M, Nahidi S. \$60,000. 2020.
 10. Investigator. University of Technology Sydney, Faculty of Health, Seed Funding. Frawley J.E, **Wiley K**, Coates D, Dawson A. *Developing and evaluating two vaccine decision aids to protect pregnant women and their infants* (to update and digitise my maternal decision aid). \$16,600. 2020.
 11. Chief Investigator. Nepean Blue Mountains Public Health Network “*Conversations between complementary and alternative medicine practitioners and vaccine-hesitant parents: A qualitative study*”. \$40,000, 2017 - 2018
 12. Chief Investigator. Wesfarmers Centre of Vaccines and Infectious Diseases Seed Funding. *Midwives’ attitudes towards, and presentation of, immunisation with birthing mothers* Attwell K, Snelling T, Waddington C, Wiley K, **Leask J**. \$15,000, 2014
 13. Chief Investigator. Marie Bashir Institute seed funding. “*Maternal Vaccination Educational Intervention Feasibility Study*”. \$10,000, 2014.
 14. Chief Investigator. NHMRC CRE in Immunisation in Understudied and Special Risk Groups Seed funding. “*Maternal Vaccination Educational Intervention Feasibility Study*”. \$17,000, 2014.
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PRESENTATIONS

Meetings and Conferences - Invited Presentations and Panels

1. Sunshine Coast Public Health Physicians Conference, Maroochydore, June 2-3, 2025.
Applying human vaccine rejection knowledge to the One Health space Keynote speaker
2. 7th FRDC Australasian Scientific Conference on Aquatic Animal Health & Biosecurity, Cairns, July 2025.
Human dimensions special session: How social sciences can strengthen technology adoption in aquaculture Invited speaker and panel member
3. Global Health Security Network 2022 Conference, Sydney, June 2024.
Vaccinating Communities & Vulnerable Population Groups Session chair and panel member
4. NHS United Kingdom 33rd National Immunisation Conference for Healthcare Workers, Stockport, December 2022. **Attitudes to vaccination in Pregnancy**.

5. Global Health Security Network 2022 Conference, Singapore, June 2022.
The drivers of COVID-19 vaccine uptake and strategies to increase vaccination rates. Wiley KE, Leask J
6. Global Health Security Network 2022 Conference, Singapore, June 2022.
COVID-19 Vaccinations: Ethics & Challenges Session chair and panel member
7. Fondation Merieux conference: Strategies to increase vaccine acceptance and uptake, Annecy France, September 26th – 28th 2016
Development of a prototype suite of decision tools to facilitate immunisation decisions in pregnancy; Wiley KE, Leask J
8. 9th Australian Influenza Symposium, Sydney, August 2013
Influenza vaccine uptake in pregnant women: a mixed methods study; Wiley KE, Leask, J.
9. Influenza Specialist Group Annual Scientific Meeting, Melbourne, February 2012
Influenza vaccination during pregnancy: uptake, attitudes and awareness; Wiley KE, Leask J, Wood N, Cooper SC.

Refereed conference presentations

1. Pandemic Sciences Institute International Pandemic Sciences Conference, Oxford, England, 30 June- 1 July 2025. **Protecting people and livelihoods at the human-animal interface: How can lessons learned from the social science of human vaccination be applied to other species?**
Kerrie Wiley
2. Public Health Association Australia National Communicable Diseases and Immunisation conference, Adelaide Convention Centre, Adelaide, June 2025
"Understanding the social and behavioural drivers of mosquito borne disease prevention in Australia" R Nepali, J Leask, V Brookes, C Webb, N Smoll, **K Wiley**
3. Public Health Association Australia National Communicable Diseases and Immunisation conference, Adelaide Convention Centre, Adelaide, June 2025
"A systematic review of knowledge, attitudes and practices toward Japanese Encephalitis vaccination" R Nepali, J Leask, V Brookes, C Webb, N Smoll, **K Wiley**
4. 17th International Symposium on Veterinary Epidemiology and Economics, Sydney Convention Centre, November 2024
"Modelling dynamics of Japanese Encephalitis virus transmission in Australia and the Philippines" Laidlow T, E J, Zadoks R, Walsh M, Viana M, **Wiley K**, Sing B, Baldini F, Dhanze H, Webb C, Brookes V.
5. Seafood Directions, Hobart, September 2024
"Assessing the future needs of Australia's aquatic animal disease diagnostic system" Samsing-Pedrales F, Costa V, **Wiley K**
6. Global Health Security Conference, Sydney Convention Centre, June 2024
"How can we better embed social science in pandemic preparedness, response and resilience?" E Campbell, C King, N Batten, J Frawley, K Attwell, M Danchin, **K Wiley**
7. Global Health Security Conference, Sydney Convention Centre, June 2024

- “How complex do arbovirus models need to be? A scoping review in the context of Japanese encephalitis.”** Laidlow T, E J, Zadoks R, Walsh M, Viana M, **Wiley K**, Sing B, Baldini F, Dhanze H, Webb C, Brookes V.
8. Public Health Association Australia National Communicable Diseases and Immunisation conference, Brisbane Convention Centre, Brisbane, June 2024
“The essential role of social science in the future Australian CDC” E Campbell, C King, N Batten, J Frawley, K Attwell, M Danchin, **K Wiley**
 9. Australia Vietnam Innovation Research Symposium, Camperdown, August 2023,
“A Qualitative Study of Stakeholder Attitude to Disease Prevention In The Pangasius Catfish Industry In Vietnam” V LT Tran, A C Barnes, F Samsing, U N Vu, **K Wiley**.
 10. 17th International Congress of Behavioural Medicine, August 23, 2023, Vancouver, Canada
“Missed or delayed COVID-19 vaccinations in 26 countries: An observational survey.” Shapiro, G.K., Gottfredson, N., Leask, J., Ganter-Restrepo, F.E., **Wiley, K.E.**, Jones, S.P., Menning, L., & Brewer, N.T.
 11. The 6th Fish Research and Development Conference, CSIRO, Cairns, July 2023.
“A Qualitative Study of Stakeholder Attitude to Disease Prevention In The Pangasius Catfish Industry In Vietnam” V LT Tran, A C Barnes, F Samsing, U N Vu, **K Wiley**.
 12. Public Health Association Australia Communicable Diseases and Immunisation Conference, Perth International Convention Centre, June 2023
“Addressing Vaccine Refusal Ethically: A Systematic Review of the Ethical Literature” **Wiley K**, Christou-Ergos M, Degeling C, McDougall R, Robinson P, Attwell K, Help C, Drislane S, Carter S
 13. Public Health Association Australia Communicable Disease and Immunisation Conference, Perth International Convention Centre, June 2023
“Equine Hendra virus vaccination: Review of communication interventions and drivers of uptake.” Kropich-Grant JN, **Wiley K**, Manyweathers J, Thompson K, Brookes VJ.
 14. Public Health Association Australia Communicable Disease and Immunisation Conference, Perth International Convention Centre, June 2023
“Lessons from Europe: A comparative study on the mandatory nature of COVID-19 vaccine policy” Batten N, Winter B, Grgic G, **Wiley K**
 15. Public Health Association Australia Communicable Diseases and Immunisation Conference, Sydney International Convention Centre, June 2022
“Qualitative dialogue with non-vaccinating parents on how measles outbreaks should be managed” **Wiley K**, Robinson P, Degeling C, Ward P, Leask J, Carter S
 16. Public Health Association Australia 17th National Immunisation conference, Perth Convention Centre, Perth, June 2021
“Tell me how you got here”: The processes described by non-vaccinating parents on how they came to reject vaccines **K Wiley**, J Leask, K Attwell, C Helps, C Degeling, P Ward, S Carter
 17. Public Health Association Australia 17th National Immunisation conference, Perth Convention Centre, Perth, June 2021
Standing up for my child: The lived experience of non-vaccinating parents in Australia **K Wiley**, J Leask, K Attwell, C Helps, C Degeling, P Ward, S Carter

18. Public Health Association of Australia Communicable Diseases Conference, Canberra, November 18-21 2019.
Expert perspectives on dealing with outbreaks in areas with high anti-vaccination sentiment; Robinson P, **Wiley K**, Leask J, Degeling C
19. Family Studies Conference, Melbourne convention centre, Melbourne, July 8th 2016 Symposium: Childhood immunisation policy in Australia: Where to from here? Australian Institute of
“No Jab No Pay”: What’s being done to support the policy changes, what are the implications, and which groups should be targeted in future campaigns? **Kerrie Wiley**, Frank Beard, Julie Leask
20. Public Health Association Australia 15th National Immunisation Conference, Brisbane Convention Centre, Brisbane Australia, June 6th-9th, 2016
Audit of the quality of online immunisation information available to Australian parents; **Kerrie Wiley**, Maryke Steffens, Nina Berry, Julie Leask
21. International Shared Decision Making and International Society for Evidence-Based Health Care Conference, Sydney, Australia 20th July, 2015.
Development of a prototype suite of decision tools to facilitate immunisation decisions in pregnancy; **Kerrie Wiley**, Julie Leask
22. Public Health Association Australia 14th National Immunisation Conference, Melbourne Convention Centre, Melbourne Australia, June 17th-20th, 2014
Development of an intervention to increase immunisation rates in pregnancy; **K Wiley**, A Tjokrowidjaja, A Sivashanmugarajah, J Leask
23. Public Health Association Australia 13th National Immunisation Conference, Darwin Convention Centre, Darwin Australia, June 19th-22nd, 2012
Pregnant women’s attitudes toward flu shots: A qualitative study; **Kerrie Wiley**, Julie Leask, Nicholas Wood, Spring Cooper Robbins, Peter Massey
24. Immunise for Life conference, Newcastle convention centre, Newcastle Australia, December 9th – 10th, 2011.
Pregnant women: awareness and attitudes toward vaccination; **Kerrie Wiley**, Julie Leask, Nicholas Wood, Spring Cooper Robbins, Peter Massey
25. Poster presentation, Sydney Medical School Reproductive Maternal and Child Health Theme Day, University of Sydney, 2011
Self-reported uptake of influenza vaccination among pregnant women and factors that influence their decisions; **Wiley KE**, Ho J, Leask J, Wood N, Cooper Robbins SC
26. Poster presentation, Sydney Emerging Infections and Biosecurity conference, University of Sydney, 23rd November 2011
Influenza Infection During Pregnancy: A Review of Incidence and Outcomes; **Wiley KE**
27. Public Health Association Australia 12th National Immunisation Conference, Adelaide Convention Centre, Adelaide Australia, August 17th – 19th, 2010
Protecting infants from pertussis by immunising parents – a literature review; **Wiley KE**, Zuo Y, Macartney KK, McIntyre PB

28. Public Health Association Australia 12th National Immunisation Conference, Adelaide Convention Centre, Adelaide Australia, August 17th – 19th, 2010
Awareness and attitudes toward adult pertussis vaccination recommendations in parents and carers of four and five year old children; Kerrie Wiley, Julie Leask, Jonathan Craig

Seminars

1. Speaker, *Implementing WHO BeSD tools in south East Asia*. Sydney Southeast Asia Research Innovation Symposium 6 November 2024
2. Speaker, *Protecting Human and Animal Health and Supporting Sustainable Agriculture: Integrating Social Science into the fight against vaccine-preventable and vector borne disease*. Sydney Infectious Diseases Colloquium 31 October 2024
3. Speaker, *What drives vaccine uptake in humans and animals?* Sydney Veterinary Science Seminar 20 November 2023

Workshops and Training Delivery

1. Co-lead, *Assessing the future needs of Australia's aquatic animal health diagnostic System*, Fisheries Research and Development Corporation, University of Sydney 27 May 2025.
2. Co-lead, *Improving adolescent vaccination coverage in New South Wales workshop*. New South Wales Health, North Sydney 18 February 2025.
3. Co-Lead, *Next-generation Aquaculture Diagnostics: Identifying needs and barriers for the adoption of novel technologies*. Aotearoa Aquatic Diseases Symposium, Dunedin New Zealand 12 – 14 of February 2025
4. Trainer, *Foundational course on Immunisation and Vaccines, Communications and Social Science Module*, Timor Leste National Immunisation Technical Advisory Group, 20-24 November 2023
5. Trainer, *Project management for higher degree research students*, University of Faculty of Medicine and Health, School of Public Health, Discipline of Paediatrics and Child Health, and the University Centre for Rural Health, University of Sydney (2015-2021)
6. Trainer, *Project management for higher degree research students*, University of Technology, Sydney (2018 – 2022)
7. Trainer, *Scientific report and manuscript writing for research professionals*, Saudi Food and Drug Authority (2021)
8. Trainer, *Vaccine communications in public health and modelling workshop*, Federal Department of Health Staff, Canberra (2014)

TEACHING

Unit development

- Global Communicable Disease Control GLOH5112 2024

Lectures and tutorials

- Lecture, Medical General Foundation Knowledge 1. Population Health Forum 9: *Effective health information and vaccine hesitancy* MDMP5511, Semester 1 2022-2025
- Lecture, Module 8 *Understanding the behavioural and social drivers of vaccination to improve uptake* Semester 2 2025
- Lecture, *Vaccines in public health* PUBH5426, semester 2 2015-2023
- Tutor, Stage 3 Medicine, Population Health, 2016
- Tutor, QUAL5005 *Introducing Qualitative Health Research* (Online Mode), 2016

- Lecture, *Risk communication and immunisation*. University of New South Wales Master in Public Health. 2015

Teaching Materials developed

- Training modules (5 x 20-minute online pre-recorded): *Using the WHO Behavioural and Social Drivers of Immunisation tools*, 2025
- 1-day training course: *Communications and social science – how to use social and behavioural insights in vaccine programme decision-making*, 2023
- 1-day Training course: *Project management for higher degree research students*, 2022
- 2-day training course: *Scientific report and manuscript writing for research professionals*, 2021

Postgraduate Supervision

1. Master of Global Health dissertation, School of Public Health, University of Sydney. Supervisor, 2025
2. PhD candidate, School of Public Health, University of Sydney. Associate supervisor, 2024
3. PhD candidate, School of Public Health, University of Sydney. Primary supervisor, 2023
4. PhD candidate, Sydney School of Veterinary Sciences, University of Sydney. Associate Supervisor, 2023
5. PhD Candidate, School of Languages and Cultures, University of Sydney. Associate supervisor, 2022
6. Master of Global Health dissertation, School of Public Health, University of Sydney, Supervisor, 2022 (passed)
7. PhD candidate, Sydney Nursing School, University of Sydney. Associate supervisor, 2021-2024 (passed)
8. ProfDoc candidate, Glasgow Caledonia University, Scotland. Associate Supervisor, 2022-2025 (passed)
9. PhD candidate, Macquarie University, Associate supervisor, 2017- 2021 (passed)
10. Master of Public Health dissertation, School of Public Health, University of Sydney. Supervisor, 2020 (passed)
11. PhD candidate, Discipline of Paediatrics and Child Health, University of Sydney. Primary supervisor. 2014-2017 (passed)
12. Master of Global Health dissertation, School of Public Health, University of Sydney, Supervisor, 2015 (passed)
13. PhD candidate, Discipline of Paediatrics and Child Health, University of Sydney, Associate supervisor 2012-2015 (passed). DPCH Annual Conference Award in 2012 and 2015

Undergraduate Supervision

1. DVM 3 Research Inquiry Project student, primary supervisor, 2025
2. MD Research Period student, co-supervisor, 2022 (passed)
3. USYD Summer Scholar, primary supervisor. 2019. (passed)
4. USYD Summer Scholar, primary supervisor. 2019. (passed)
5. USYD Summer Scholar, primary supervisor. 2012. (passed)
6. USYD Summer Scholar, primary supervisor. 2011. (passed)

AWARDS

Nominations, awards and prizes

- Winner, Sydney University Faculty of Medicine and Health Makers & Shapers award in the Outstanding research – individual category, May 2023.
- Finalist, SUPRA Supervisor of the Year 2024
- Nominated, Public Health Association of Australia's Mentor of the Year award 2023

- Winner, best oral presentation, University of Sydney Discipline of Paediatric and Child Health Post Graduate Conference, Parramatta, 2012
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PROFESSIONAL OBJECTIVES

1. To make a significant contribution to immunisation policy and practice globally.
2. To make positive change in global health and food security through research and education in human and animal health.
3. To help build a vibrant transdisciplinary research and health workforce who are competent and confident in transdisciplinary ways of working.