

# Outputs

Below is a complete list of publications produced by the unit over the last 10 years.

## 2026

### Papers

Brown R., Davis B., French M., Wong T., Ramirez-Lovering D., Chown S.L., Clasen T., Johnston D., Ansariadi A., Turagabeci A., Burge K., Greening C., McCarthy D., Luby S., Leder K. Accelerating innovation in sustainable development through transdisciplinary impact research. *iScience*. 2026. doi: <https://doi.org/10.1016/j.isci.2026.115448>

Zhou S., Wu Y., Liu Y., Gao Y., Yu P., Xu R., Chen G., Ye T., Yu W., Añel J.A., Bi P., Bone A., Ebi K.L., Gasparrini A., Hashizume M., Jay O., Kim Y., Perkins-Kirkpatrick S., Lee J.K.W., Li T., Lin S., Madaniyazi L., Park J., Petrakopoulou F., Seposo X., Tobias A., Li S., Guo Y. Lethal Heat and Humidity Events. *Annual Review of Environment and Resources*. 2025. doi: <https://doi.org/10.1146/annurev-environ-111523-102139>

de Moraes Batista F., Carcamo P.M., Nelson E., da Silva Neto A.B., Tsuha D.H., Lahdo V., dos Santos V.R., Ribeiro G.S., da Silva Lopes R., Amadeu P., Ferreira Mendes Blanco M.V., da Costa T.R., de Melo Chalegre K.D., Riback T.I.S., da Silva C.C., Ranzani O.T., Cummings D.A.T., Andrews J.R., Ko A.I., Hitchings M.D.T., Anders K.L., Moreira L.A., Maymone Gonçalves C.C., Croda J. The impact of large-scale release of *Wolbachia* mosquitoes on dengue incidence in Campo Grande, Brazil: an ecological study. *The Lancet Regional Health - Americas*. 2026. doi: <https://doi.org/10.1016/j.lana.2025.101327>

Cumming T., Loftus M.J., Leder K. Perspective: A utilitarian approach to prioritization in climate and health research. *The Journal of Climate Change and Health*. 2026. doi: <https://doi.org/10.1016/j.joclim.2026.100648>

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Loftus M.J., Cumpston M.S., Barnes S., Blakey J., Glanville A., ... Leder K. et al. Efficacy and safety of different inhaler types for asthma and chronic obstructive pulmonary disease. a systematic review and meta-analysis. *NPJ Prim Care Respiratory Medicine*. 2026. doi: <https://doi.org/10.1038/s41533-026-00488-4>

Loftus M.J., Cumming T., Nicolás D., Leder K., Rogers B.A. Home sweet home? The heat challenge to Hospital at Home services. *PLOS Climate*. 2026. <https://doi.org/10.1371/journal.pclm.0000879>

Kazda L., Schlub T.E., Guppy M., Forrester M., Rigby D., Barratt A., Cox D., Loftus M.J., Bell K. Impact of carbon footprint information on inhaler prescribing intentions by general practitioners: protocol for an online factorial randomised experiment. *Respiratory Medicine*. 2026. <https://doi.org/10.1016/j.rmed.2026.108657>

Malcolm N., Huits R., Hamer D.H., Leder K., Lim C.K., Muhi S. Severe chikungunya infection in a returned traveler from Sri Lanka to Australia. *Travel Medicine and Infectious Disease*. 2026. DOI: <https://doi.org/10.1016/j.tmaid.2026.102969>

Pradana A., Oktaviani M., Prameswari H., Supriyanto D., ... Leder K. et al. A study protocol for a baseline community-based cross-sectional study to investigate malaria and dengue transmission dynamics in a development area of new capital city, Indonesia. *Wellcome Open Research*. 2026. <https://doi.org/10.12688/wellcomeopenres.25303.1>

## 2025

### Papers

Amatya B., Pandey P., McGuinness S.L., Grobusch M.P., Muhi S., Leder K. et al. GeoSentinel Analysis of Travelers' Diarrhea Antimicrobial Resistance Patterns. *JAMA Network Open*. 2025. <https://doi.org/10.1001/jamanetworkopen.2025.51089>

Anders K.L., Ribeiro G.S., Lopes R.D.S., Amadeu P., da Costa T.R. et al. Long-Term Durability and Public Health Impact of City-Wide wMel Wolbachia Mosquito Releases in Niterói, Brazil, During a Dengue Epidemic Surge. *Tropical Medicine and Infectious Disease*. 2025. doi: <https://doi.org/10.3390/tropicalmed10090237>

Barrett, L.R., Beasy P., Palacios Delgado, Y.M., Boyce, J.D., Leder, K., McCarthy, D.T., et al. Beyond borders: A systematic review and meta-analysis of human-specific faecal markers across geographical settings. *Critical Reviews in Environmental Science and Technology*. 2025. doi: <https://doi.org/10.1080/10643389.2025.2455031>

Bata, L., Henry, R., Barker, S.F., Boyce, J., Lynch, F., Vilsoni, S.R., et al. Assessing *E. coli* levels in surface soils of informal settlements using boot sock and standard grab methods. *Science Advances*. 2025. doi: <https://doi.org/10.1126/sciadv.adq9869>

Bone A., Tartarini F., Jay O. Fan-first heat-health protection. *Medical Journal of Australia*. 2025. doi: <https://doi.org/10.5694/mja2.52662>

Bone A., Watts N. Pills, profits, and pollution: accountability for pharmaceuticals-related greenhouse gas emissions. *Medical Journal of Australia*. 2025. doi: <https://doi.org/10.5694/mja2.52623> (Editorial)

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Delfino C, Carcel C, Lin X, Muñoz-Venturelli P, Naismith SL, Woodward M, ... Leder, K. et al. STatin TRreatment for COVID-19 to Optimise NeuroloGical recovERY (STRONGER): study protocol for a randomised, open label clinical trial in patients with persistent neurological symptoms after COVID-19 infection. *BMJ Open*. 2025;15(4):e089382. doi: [10.1136/bmjopen-2024-089382](https://doi.org/10.1136/bmjopen-2024-089382)

Escobar, M., Black, N., Johnston, D., Sweeney, R., Barker, S.F., Rosnaena, et al. The gender gap in children's educational time investments in informal settlements. *Review of Economics of the Household*. 2025. doi: <https://doi.org/10.1007/s11150-025-09772-7>

Flaherty G.T., Steffen R., Leder K. Towards travel therapy: addressing the health benefits of international travel. *Journal of Travel Medicine*. 2025. doi: <https://doi.org/10.1093/jtm/taae091>

Hassoun-Kheir, N., Redin M.R., Labi A.-K., Loftus M.J., Stewardson A.J. et al. Nomenclature, definitions, and methodological approaches to estimate the association between antimicrobial treatment and clinical outcomes of drug-resistant bloodstream infections. *Clinical Microbiology and Infection*. 2025. doi: <https://doi.org/10.1016/j.cmi.2025.07.033>

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Huits, R., Buonfrate, D., O'Laughlin, K., Hamer. D. H., ... Leder, K. et al. Measles importations by international travelers, GeoSentinel 2019–2025. *Travel Medicine and Infectious Disease*. 2025. <https://doi.org/10.1016/j.tmaid.2025.102885>

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Lim TJY, Delgado YMP, Lintern A, McCarthy DT, Henry R. Assessing accuracy and specificity of faecal source library for microbial source-tracking, using SourceTracker as case study. *Bioinformatics Advances*. 2025;5(1). doi: <https://doi.org/10.1093/bioadv/vbaf103>

Loftus M.J., Forrester C., Shul L.Y., Padgett C., Cruda M.F., Macklin B., Vandenberg A., Leder K., Dooley M., McAlister S. The carbon footprint of different medication packaging items at an Australian tertiary hospital. *Journal of Pharmacy Practice and Research*. 2025. doi:

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McGuinness, S. L., Leder, K., Starr, M. Protecting travellers from vaccine-preventable diseases. *Australian Journal of General Practice*. 2025. doi: <https://doi.org/10.31128/AJGP-05-25-7685>

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Palacios Delgado YM, Saifuddaolah M, Henry R, Burge K, McCarthy DT, Barker SF, et al. Evaluating analytical approaches for smarter decision-making in faecal contamination monitoring and assessment. *Water Research*. 2025;275:123207. doi: <https://doi.org/10.1016/j.watres.2025.123207>

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Sirota S.B., Bender R.G., Dominguez R.-M.V., Movo A., ... Loftus, M.J. et al. Global burden of lower respiratory infections and aetiologies, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023. *The Lancet Infectious Diseases*. 2025. doi: [https://doi.org/10.1016/S1473-3099\(25\)00689-9](https://doi.org/10.1016/S1473-3099(25)00689-9)

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Viennet E, Dean MM, Kircher J, Leder K, Guo Y, Jones P, et al. Blood under pressure: how climate change threatens blood safety and supply chains. *The Lancet Planetary Health*. 2025;9(4):e304-e13. doi: [https://doi.org/10.1016/S2542-5196\(25\)00051-8](https://doi.org/10.1016/S2542-5196(25)00051-8)

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## 2024

### Papers

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Flaherty GT, Steffen R, Leder K. Towards travel therapy: addressing the health benefits of international travel. *Journal of Travel Medicine*. 2024;32(3). doi: <https://doi.org/10.1093/jtm/taae091>

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McGuinness SL, Eades O, Zhong S, Clifford S, Fisher J, Kelsall HL, et al. A longitudinal qualitative exploration of Victorian healthcare workers' and organisations' evolving views and experiences during COVID-19. *BMC Health Services Research*. 2024;24(1). doi: <https://doi.org/10.1186/s12913-024-11067-z>

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## 2023

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