

Rory Watts

PhD Candidate

The University of Western Australia

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Education

- 2018 - 2021 PhD, The University of Western Australia. "The Public Health Workforce of Australia and New Zealand: Where Do They Come From? Where Will They Go?"
- 2014 - 2015 Master of Public Health with Distinction, The University of Western Australia
- 2014 Bachelor of Medical Science with First Class Honours in Obstetrics and Gynaecology, The University of Western Australia
- 2012 - 2014 Bachelor of Arts (English Literature major), The University of Western Australia

Professional positions held

- 2020 Consultant (Offsite), HQ/HIS/HGF, World Health Organization, Geneva, Switzerland
Developing an impact & costing model to explore the effect of COVID-19 on cancer in low-income countries
- 2018-2021 Research Associate, School of Population and Global Health, The University of Western Australia, Western Australia, Australia
Cost-effective analysis of clinical management pathways for familial hypercholesterolaemia
- 2019 Consultant (Offsite), HQ/NMH/MSD, World Health Organization, Geneva, Switzerland
Investment case: the cost of treating preventable blindness globally
Re-programming mental health economic models onto a new platform
- 2018 Consultant (Offsite), HQ/NMH/NHD, World Health Organization, Geneva, Switzerland
Rapid-review: Cost-effective analyses of dietary interventions
- 2017 Economist, Health Economics and Social Policy, Deloitte Access Economics, Melbourne, Australia
- 2017 Consultant (Offsite), HQ/HIS/HGF, World Health Organization, Geneva, Switzerland
Developing an impact model for maternal and child health interventions
- 2016 Consultant, HQ/NMH/NVI, World Health Organization, Geneva, Switzerland
Coordination and modelling for update of the Global NCD Action Plan
- 2007-2015 Employee, The Lane Bookshop, Western Australia, Australia

Publications

Journal articles

- 2020 Trentino KM, Mace H, Symons K, Sanfilippo FM, Leahy MF, Farmer SL, Watts RD, Hamdorf JM, Murray K. "Associations of a Preoperative Anemia and Suboptimal Iron Stores Screening and Management Clinic in Colorectal Surgery With Hospital Cost, Reimbursement, and Length of Stay: A Net Cost Analysis". *Anesthesia and Analgesia*. October 2020. Available from: <https://doi.org/10.1213/ANE.0000000000005241>
- 2020 Watts RD, Bowles DC, Ryan E, Fisher C, Li IW. "No two workforces are the same: A systematic review of enumerations and definitions of public health workforces". *Frontiers in Public Health*. *Accepted for publication*. Available from: <https://doi.org/10.3389/fpubh.2020.588092>
- 2020 Trentino KM, Mace HS, Symons K, Sanfilippo FM, Leahy MF, Farmer SL, Hofmann A, Watts RD, Wallace MH, Murray K. "Screening and treating pre-operative anaemia and suboptimal iron stores in elective colorectal surgery: a cost effectiveness analysis". *Anaesthesia*. 27 August 2020. Available from: <https://doi.org/10.1111/anae.15240>
- 2020 Li IW, Bowles DC, Watts RD, Preen D. "Rapid response: Re: The burning building - Workforce redeployment to address economic and health threats from COVID-19". *BMJ*. 24 March 2020. Available from: <https://doi.org/10.1136/bmj.m1101>
- 2019 Watts RD, Fisher C, Bowles DC, Li IW. "Public health job advertisements in Australia and New Zealand: a changing landscape". *Australian and New Zealand Journal of Public Health*. September 2019. Available from: <https://doi.org/10.1111/1753-6405.12931>
- 2019 Watts RD, Li IW. The use of checklists in reviews of health economic evaluations, 2010-2018. *Value in Health*. March 2019. Available from: <https://doi.org/10.1016/j.jval.2018.10.006>
- 2017 Bertram MY, Stenberg K, Brindley C, Li J, Serje J, Watts RD, et al. Disease control programme support costs: an update of WHO-CHOICE methodology, price databases and quantity assumptions. *Cost Effectiveness and Resource Allocation*. 2017 Oct 26;15:21.
- 2017 Watts RD, Li IW, Geelhoed EA, Sanfilippo FM, St. John A. Economic Evaluations of Pathology Tests, 2010-2015: A Scoping Review. *Value in Health*. 2017;20(8):1210-1215. Available from: <https://doi.org/10.1016/j.jval.2017.04.023>
- 2016 Stock SJ, Patey O, Thilaganathan B, White S, Furfaro LL, Payne MS, Spiller OB, Noé A, Watts RD, et al. Intrauterine *Candida albicans* Infection Causes Systemic Fetal Candidiasis with Progressive Cardiac Dysfunction in a Sheep Model of Early Pregnancy. *Reproductive Sciences*. 2016;24(1):77-84.
- 2016 Payne M, Ireland D, Watts RD, Nathan L, Furfaro L, Kemp M, Keelan J, Newnham J. *Ureaplasma parvum* genotype, combined vaginal colonisation with *Candida albicans*, and spontaneous preterm birth in an Australian cohort of pregnant women. *BMC Pregnancy and Childbirth*. 2016;16(1):1-13.
- 2016 Friedland P, Lee-Pullen TF, Nathan LA, Watts RD, Keelan JA, Payne MS, Ireland DJ. T cell cytokine responses to stimulation with *Ureaplasma parvum* in pregnancy. *Journal of Reproductive Immunology*. 2016;116:93-7.

- 2015 Friedland YD, Lee-Pullen T, Nathan L, Watts RD, Keelan J, Payne M, Ireland D. Whole blood flow cytometric analysis of Ureaplasma-stimulated monocytes from pregnant women. *Journal of Reproductive Immunology*. 2015;109:84–8.
- 2014 Miura Y, Payne M, Keelan J, Noe A, Carter S, Watts RD, Spiller OB, Jobe A, Kallapur S, et al. Maternal intravenous treatment with either azithromycin or solithromycin clears Ureaplasma parvum from the amniotic fluid in an ovine model of intrauterine infection. *Antimicrobial Agents and Chemotherapy*. 2014;58(9):5413–20.
- 2014 Kemp M, Miura Y, Payne M, Watts RD, Megharaj S, Jobe A, Kallapur S, Saito M, Spiller OB, et al. Repeated maternal intramuscular or intraamniotic erythromycin incompletely resolves intrauterine Ureaplasma parvum infection in a sheep model of pregnancy. *American Journal of Obstetrics and Gynecology*. 2014;211(2):134.e1-134.e9.

Reports & monographs

- 2017 World Health Organization. Tackling NCD's: 'Best Buys' and other recommended interventions for the prevention and control of noncommunicable diseases. [Internet]. Geneva; 2017. Report No.: NVI 17.9. Available from: <http://apps.who.int/iris/bitstream/10665/259232/1/WHO-NMH-NVI-17.9-eng.pdf> (Author for Updated Appendix 3)
- 2016 U.S. National Cancer Institute and World Health Organization. The Economics of Tobacco and Tobacco Control. Bethesda, MD; 2016. (National Cancer Institute Tobacco Control Monograph; vol. NIH Publication No. 16-CA-8029A). (Provided analysis and graphics for: Chapter 17, Figure 17.2 – Cost effectiveness of tobacco policy interventions)
- 2016 World Health Organization. Global action plan for the prevention and control of noncommunicable diseases 2013-2020. [Internet]. Geneva; 2016. Report No.: WT 500. Available from: http://apps.who.int/iris/bitstream/10665/94384/1/9789241506236_eng.pdf?ua=1 (Author for Updated Appendix 3)

Theses

- 2015 The University of Western Australia, School of Population and Global Health: Pathology testing: scope and assessments of quality in economic evaluations (First Class Honours)
- 2014 The University of Western Australia, School of Women's and Infant's Health: Asymptomatic vaginal colonisation with Ureaplasma spp. During pregnancy: Is there an association with an increased risk of preterm birth? (First Class Honours)

Courses taught and other services provided to students

Lecturing, tutoring

- 2019, 2020 Health Systems and Economics, Master of Public Health, The University of Western Australia
Taught classes about health financing, ethics, and appraising health systems
- 2019, 2020 Health Systems and Policy, Population Health major, The University of Western Australia
Taught classes about health financing, ethics, and appraising health systems

- 2017, 2019 Economic Evaluation of Health Care, Master of Public Health, The University of Western Australia
Taught classes on sensitivity analyses, interpreting cost-effective results, and quality appraisal
- 2016-2018 Bachelor of Science, Medical Sciences Major, The University of Western Australia
Taught classes about health systems, pathology
- 2014-2018 Doctor of Medicine, The University of Western Australia
Taught classes about health systems, economics, ethics, epidemiology
- Invited lecturer / Guest lectures**
- 2019 Master of Public Health, "Health System Reform", The University of Western Australia
- 2019 Doctor of Medicine, four selected topics in global health. The University of Western Australia
- 2019 Bachelor of Population Health, "Approaches to Financing Health Systems", The University of Western Australia
- 2019 Bachelor of Population Health, "Practical Project Management", The University of Western Australia
- 2019 Master of Public Health, "Practical Project Management", The University of Western Australia
- 2018, 2019 Bachelor of Population Health, "Equity and Ethics", The University of Western Australia
- 2018, 2019 Bachelor of Population Health, "Global Health Governance", The University of Western Australia

Student supervision

- 2019 Lachlan Whang, "Effect of the Master of Public Health on Career Path"

Some kind feedback from teaching / tutoring

- 2018 *"Dear Rory, thanks so much for everything you've done for us this semester in [unit]. You've truly gone above and beyond"*
- 2018 *"Dear Rory, Cheers for being a great leaps tutor and making it more fun than I thought [unit] could be. You're a ripper teacher"*
- 2017 *"Rory is a really really good tutor and always makes our tutorials interesting, fun and engaging! He is very approachable and always happy to help :)"*
- 2014 *"Thanks for being the most awesome [unit] tutor ever! I honestly don't think I would have learnt as much (or had as much fun) in [unit] if our group didn't have you as our tutor!!"*
- 2014 *"Thanks for being a great tutor and so entertaining every week"*

Other professional activities - presentations

- 2019 Public Health Association Australia WA Branch Student Careers Night, "Careers in Public Health"
- 2019 Torrens University Population Health Careers Night, Melbourne, "Careers in Public Health"
- 2019 Public Health Association Australia ACT Branch Student Careers Night, "Careers in Public Health"

- 2019 School of Population and Global Health information evening, “Careers in Public Health”
- 2019 International Health Economics Association (iHEA), Switzerland, “How Are MPH Graduates Absorbed into the Labour Market in Australia?”
- 2019 International Health Economics Association (iHEA), Switzerland, “Public Health Jobs: What Are They and Where Have They Gone?”
- 2019 Council of Academic Public Health Institutions Australasia Teaching and Learning Forum, Canberra, “Outcomes of International Public Health Students in Australia”
- 2019 The University of Western Australia, “Job Advertisements in Australia: A Changing Landscape”
- 2013 The University of Western Australia, “Does asymptomatic vaginal colonisation by both *Ureaplasma* spp. and *Candida* spp. result in an increased risk of preterm birth?”

Professional Honours, Awards, Funding

- 2020 Staff Reward and Recognition Award

He always goes above and beyond what he is asked to do, completes his work to the highest standard, and often provides suggestions that value adds to students and other stakeholders. These suggestions inevitably increase his workload, but he is always ready to take on more.

He has an unflappable attitude, even when the pressure is on and even when we all didn't see the last minute, unexpected deadline coming. We have wondered before if his spirit animal is the duck – calm on the surface and paddling furiously underneath the surface to keep things moving along.

He exhibits great enthusiasm in all he does, and his collegiality makes him a valued team member. A lesser person would have been overwhelmed and stressed by all the metaphorical plates needed to be kept spinning in the air, but Rory always manages to keep it all going with an abundance of energy.

More generally, and day to day, Rory is a calming presence in the workplace, always ready for a friendly conversation or intellectual discussion, all delivered with a great smile.

- 2018-2021 Department of Education and Training, Research Training Program Scholarship - \$30,000 P.A
- 2018-2021 Council of Academic Public Health Institutions Australasia, PhD Scholarship - \$5,000 P.A.
- 2019 The University of Western Australia, Graduate Research School Travel Award - \$1,850
- 2019 Public Health Association Australia, Western Australian Conference Scholarship - \$2,250
- 2015 The University of Western Australia, School of Population and Global Health, Health Promotion, highest mark
- 2015 The University of Western Australia, School of Population and Global Health, Foundations of Public Health, highest mark
- 2014 The University of Western Australia, Faculty of Medicine, Dentistry and Health Sciences, preclinical tutor of the year award

2013 The University of Western Australia, Gordon King scholarship for high quality research in obstetrics and gynaecology - \$5,000

Associations and Committees

2018-Now International Health Economics Association – Student Member

2018-Now Statistical Society of Australia – Student Membership

2018-Now Public Health Association of Australia – Student Membership

2018 - Now Higher Degree by Research Committee – The University of Western Australia

2019 – Now Digital Humanities Committee – The University of Western Australia