

# Christopher John Oldmeadow

## Curriculum Vitae

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## Professional Profile

Associate Professor Oldmeadow is an experienced applied statistician with a strong record of leading statistical consultancy projects across a range of health research areas, including cancer, stroke, cardiology, respiratory medicine, public health, and health services. He has played a central role in the design, analysis, and data management of clinical studies from early-phase through to Phase 4 trials. His expertise spans causal modelling, adaptive trial design, and Bayesian methods, and he is recognised internationally for his contributions to applied statistical methods in health research.

As an executive member of the Hunter Medical Research Institute, he has contributed to the institute's strategic direction, supported cross-disciplinary collaboration, and championed a culture of excellence. His leadership has supported successful grant outcomes, efficient project delivery, and capacity building across research teams. He is committed to enabling high-quality, data-driven solutions to complex challenges in health research.

### Key Impacts

- Coordinated analysis projects across diverse health fields.
- Provided statistical leadership for clinical trials from Pilot/Phase 1 to Phase 4.
- **393** publications with **22432** total citations (i10-index = **235**, h-index = **60**).
- Developed methods in causal modelling, adaptive trials, and Bayesian statistics.
- Contributed to **\$50,688,470.56** in grant income as CI or AI.
- Achieved cost recovery targets (currently \$2 million) each year.
- Mentored and trained junior staff in statistical analysis.

## Education

2005–2008 **PhD (Statistics)**, *Queensland University of Technology*, Brisbane, Australia

2004–2005 **Bachelor of Mathematics (Hon, Class II, A)**, *University of Newcastle*, Newcastle, Australia

2002–2004 **Bachelor of Mathematics**, *University of Newcastle*, Newcastle, Australia

## Work experience

2025–present **Head of Research Design**, *Hunter Medical Research Institute*, Newcastle, Australia

- 2018–2024 **Associate Director, Data Sciences**, *Hunter Medical Research Institute*, Newcastle, Australia
- 2013–2018 **Senior Statistician**, *Hunter Medical Research Institute*, Newcastle, Australia
- 2009–2013 **Post-Doctoral Research Fellow**, *University of Newcastle*, Newcastle, Australia
- 2008–2009 **Post-Doctoral Research Fellow**, *Monash University*, Newcastle, Australia

## Skills

### Technical Skills

- Statistical analysis (R, Python, SAS, Stata), Bayesian methods, causal inference
- Clinical trial design, adaptive trials, machine learning
- Data pipelines, reproducible research, data governance

### Leadership and Interpersonal Skills

- Strategic planning, team leadership, mentoring
- Cross-disciplinary collaboration, stakeholder engagement
- Project management, budgeting, and change management

## Leadership

- Lead a team of 20 employees to achieve approximately 1.5M of income, and over 100 publications per year.
- Developed and executed strategic plans resulting in 20% growth per year in revenue over 5 years.
- Mentored and trained 30 junior staff members, many of which progressed from Junior to Senior consultants.
- Successfully managed over 100 projects per year, delivering them on time and under budget.
- Facilitated cross-functional collaboration and communication to drive project success.
- Effectively managed a budget of 2M.
- Developed research strategy, giving opportunities for junior consultants to take on PhDs while working and maintaining current salary (improving staff retention)
- Implemented process improvements.
- Developed and delivered training programs to improve team skills and performance.
- Created and fostered a culture of innovation and continuous improvement.
- Demonstrated strong interpersonal skills, building and maintaining strong relationships with stakeholders and team members.

## Professional Memberships or Affiliations

- Statistical Society of Australia
- Australian Medical Research Society
- Australasian Gastrointestinal Trials Group
- Breast Cancer Trials

## Community Involvement

| Years     | Role  |
|-----------|---|
| 2024–     | Expert Consultant, NSW Department of Communities and Justice (FACIAR Division)<br>Provided consultative advice and expert review for the development of a rapid evaluation tool using the Human Services Dataset and causal modelling techniques. |
| 2023      | Scientific Advisory Committee (Statistician), Breast Cancer Trials  |
| 2013-2022 | Hunter New England Research Ethics (Clinical Trial Sub Committee)   |
| 2017      | Associate Editor, Pilot and Feasibility Studies   |

## Grants

| Year | Scheme                                   | Title  | Role | Amount         |
|------|--|--|------|----------------|
| 2024 | MRFF                                     | Which Way? Quit Pack: Assessing the implementation and impact of a National mailed smoking and vaping cessation intervention for Aboriginal and Torres Strait Islander adolescents and adults. | CI   | \$4 739 632,78 |
| 2024 | MRFF                                     | The BLOOM program A digital intervention integrating social and emotional learning physical activity and nutrition in early years settings to enhance preschoolers wellbeing                   | CI   | \$999 805,6    |
| 2023 | MRFF                                     | Living Well after Hospital: A randomised controlled trial testing the effectiveness of a coordinated transitional care program for older adults being discharged from hospital.                | CI   | \$916 761,11   |
| 2023 | MRFF                                     | Exploring the benefit of multidisciplinary primary care  | CI   | \$1 744 251,1  |
| 2023 | MRFF                                     | Tools for Change: Informing and Supporting Sustainable Chronic Disease Prevention in Australian Schools  | AI   | \$4 869 263,25 |
| 2023 | MRFF                                     | Understanding the Social Determinants of Young Peoples Mental Health: an Exploratory Mixed Methods Study   | AI   | \$457 765,9    |
| 2023 | NHMRC Clinical Trials and Cohort Studies | ROADMAP trial: RandOmised Arthroplasty infection worldWide Multidomain Adaptive Platform trial   | AI   | \$4 886 490,32 |

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| Year | Scheme                             |          | Title  | Role | Amount         |
|------|------------------------------------|----------|--|------|----------------|
| 2023 | MRFF                               |          | The use of scrotal cooling to improve semen quality and pregnancy rates within infertile men   | AI   | \$1 195 461,94 |
| 2023 | MRFF                               |          | DPYD and UGT1A1 genotyping for fluoropyrimidine and irinotecan dose personalisation to reduce severe toxicity  | AI   | \$2 705 260,74 |
| 2022 | MRFF                               |          | Increasing the capacity of Community Managed Organisations to provide preventive care to people with a mental health condition   | CI   | \$1 135 281    |
| 2022 | MRFF                               |          | Wearables Integrated Technology to support healthy behaviours in people with Type 2 Diabetes (Wear+AC0-IT)   | CI   | \$1 093 405    |
| 2022 | MRFF                               |          | Using existing digital infrastructure for the national scale+AC0-up of an effective school nutrition program to reduce population CVD risk   | AI   | \$997 350,6    |
| 2022 | MRFF                               |          | A Preventative Care Program to optimise mental health during transition into residential aged care   | AI   | \$200 000      |
| 2022 | NHMRC grant                        | Ideas    | Predict prevent and treat bone metastases in prostate cancer   | AI   | \$622 333,32   |
| 2022 | MRFF                               |          | A randomised controlled trial to assess the impact of Baby+AC0-EATS a scalable digital health intervention targeting infant feeding and weight in children aged 0+AC0-2 years        | CI   | \$1 377 504,9  |
| 2022 | MRFF                               |          | Getting quality evidence to policy makers and practitioners more quickly Applying novel methods to identify effective scalable interventions to prevent e+AC0-cigarette use in youth | AI   | \$1 862 283    |
| 2022 | National Foundation of Australia   | Heart of | Improving the Well+AC0-Being of Patients with Acute Decompensated Heart Failure: a Randomised Controlled Trial   | AI   | \$964 531      |
| 2022 | NSW Department of Customer Service |          | The Australian Secondary School Alcohol and Drug Survey: Monitoring the prevalence type and burden of adolescent gambling in NSW   | CI   | \$135 200      |

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| Year | Scheme  | Title   | Role | Amount      |
|------|---|---|------|-------------|
| 2021 | NHMRC (Global Alliance for Chronic Diseases)  | SISTAQUIT scale+AC0-up in Indigenous populations in Australia   | CI   | \$1 800 000 |
| 2021 | NHMRC (Global Alliance for Chronic Diseases)  | Developing and testing a community+AC0-informed intervention to increase VIA cervical cancer screening in Eswatini  | AI   | \$1 206 526 |
| 2021 | NHMRC project grant                           | A trial of vaporised nicotine products for smoking cessation following discharge from drug and alcohol residential withdrawal services  | CI   | \$240 109   |
| 2021 | Ovarian Cancer Research Foundation            | Discovery and validation of a blood+AC0-based protein biomarker for the early detection of ovarian cancer   | CI   | \$595 095   |
| 2021 | NHMRC Ideas grant                             | Using a national level multi+AC0-registry analysis to determine whether prescribed anti+AC0-platelet therapies post+AC0-stroke can modify the risk of cognitive decline or dementia | CI   | \$452 550   |
| 2020 | NHMRC Partnership project                     | The impact of individualised care plans for elderly patients discharged home from hospital after neck of femur fracture: A randomised controlled trial                              | CI   | \$476 312   |
| 2019 | NHMRC Partnership project                     | Testing the impact of an Interactive Health Communication Application on days alive out of hospital and quality of life following surgery for colorectal cancer                     | CI   | \$306 710   |
| 2019 | NSW Ministry of Health Cardiovascular Disease | Cardioprotective effects of the pneumococcal polysaccharide vaccine   | CI   | \$600 000   |
| 2019 | NHMRC Target Call Research                    | Improving implementation of Health Assessments for Aboriginal and Torres Strait Islander clients in mainstream general practice: a cluster randomised controlled trial              | CI   | \$745 057   |
| 2019 | NHMRC Project grant                           | A trial of vaporised nicotine products for smoking cessation following discharge from drug and alcohol residential withdrawal services  | CI   | \$1 833 513 |

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| Year | Scheme  | Title   | Role | Amount      |
|------|---|---|------|-------------|
| 2019 | ARC Discovery project                                   | Taking action: Increasing Advance Personal Planning by older adults   | CI   | \$542 000   |
| 2018 | NHMRC Targeted Call for Research                        | Addressing health and care needs of Aboriginal and Torres Strait Islander people living with dementia and their communities   | CI   | \$3 095 009 |
| 2018 | Australian Rotary Health                                | Pilot randomised controlled trial of a telephone delivered intervention for hazardous alcohol use among young people living with severe mental ill+AC0-health   | CI   | \$86 747    |
| 2018 | NHMRC Global Alliance for Chronic Diseases              | 'Indigenous Counselling and Nicotine (ICAN) QUIT in Pregnancy'+AC0- a cluster randomised trial to implement culturally competent evidence+AC0-based smoking cessation for pregnant Aboriginal and Torres Strait | CI   | \$2 318 652 |
| 2018 | NHMRC project grant                                     | Healthy living after stroke: An online intervention for improving stroke survivor health behaviours and quality of life   | CI   | \$599 124   |
| 2018 | Dementia and Aged Care Services Research and Innovation | Does a targeted intervention improve medication safety after discharge and improve outcomes for people with dementia and their carers   | CI   | \$544 096   |
| 2018 | NHMRC CRE   | Aboriginal child and adolescent health improvement through Aboriginal leadership and collaborative research teams   | CI   | \$2 499 588 |
| 2018 | NSW Ministry of Health AOD Innovation Grants            | Routine Outcome Monitoring (ROM) plus feedback in SMART Recovery Australia: A feasibility study examining SMART ROM   | CI   | \$358 913   |
| 2018 | NSW Ministry of Health AOD Innovation Grants            | A randomised controlled trial of a continuing care telephone intervention following residential substance abuse treatment   | CI   | \$517 874   |
| 2016 | NHMRC Partnership                                       | A randomised controlled trial of the effectiveness of Enable Me: an e+AC0-health innovation for stroke survivors and support persons.   | CI   | \$253 264   |

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| Year | Scheme   | Title   | Role | Amount    |
|------|--|---|------|-----------|
| 2016 | National Stroke Foundation                         | A randomised controlled trial of the effectiveness of Enable Me: an e+AC0-health innovation for stroke survivors and support persons                        | CI   | \$29 444  |
| 2016 | NSW Ministry of Health                             | Phase 1 and 2 of the Indigenous Counselling and Nicotine (ICAN) QUIT in Pregnancy   | CI   | \$136 275 |
| 2016 | Victorian Responsible Gambling Foundation (TENDER) | The susceptibility prevalence type and burden of adolescent gambling: an opportunity for an ongoing monitoring tool   | CI   | \$174 967 |
| 2015 | NSW Ministry of Health (TENDER)                    | Evaluating the Quit for New Life  | CI   | \$270 908 |
| 2015 | Australian Rotary Health                           | Improving uptake of colorectal screening among primary care attendees.  | CI   | \$17 000  |
| 2014 | Hunter Medical Research Institute                  | Improving uptake of colorectal cancer screening among primary care attendees.   | CI   | \$37 500  |
| 2013 | Cancer Institute NSW                               | Providing tailored web+AC0-based information to support colorectal cancer patients in their preparation for and recovery from surgery: A feasibility study. | CI   | \$48 656  |

Total grant income: \$50,688,470.56

As Chief Investigator: \$30,721,204.49

As Associate Investigator: \$19,967,266.07