**Track Record: Professor David Preen** BSc(Hons), PhD

**Career Summary**

Professor David Preen is the Chair in Public Health at the School of Population and Global Health, The University of Western Australia (UWA). He was the Director of the UWA Centre for Health Services Research from 2006-2016 and holds an honorary academic appointment at the Swansea University (UK). Prof Preen has been involved with conducting public health and health services research using whole-population linked administrative health data for over 15 years to study areas including: i) health of marginalised populations, ii) social determinants of health; iii) pharmaco-epidemiology, iv) hospital utilisation, and vi) methodological advances using data linkage.

**Research track record**

***Funding:*** Prof Preen has successfully gained over 75 research grants as chief investigator (totalling $57.2M). Funding has been gained from State and national agencies, such as the: i) NHMRC (21 successful applications to date including Centre of Research Excellence, Capacity Building, Partnership, Clinical Trial and Cohort Studies, and Project Grants), ii) Australian Research Council (ARC) (including Discovery and Linkage Project Grants), iii) Australian Research Data Commons (ARDC) iv) Cancer Australia, v) National Breast Cancer Foundation, vi) National Heart Foundation, vii) National Prescribing Service, viii) Commonwealth Department of Health & Ageing, ix) Australian Institute of Health and Welfare, and the x) WA Department of Health. He was also a chief investigator on a multi-national Centre of Excellence Grant from the UK Medical Research Council (GBP£4.4m) which aimed to enhance linked data research through Wales, Scotland and England.

***Publications:***Prof Preen has had 306 scientific works accepted for publication (134 since 2018), most of which have used whole-population linked data to evaluate health service delivery and outcomes. This includes 288 journal publications (129 since 2018) (6496 citations, with 15 papers cited over 100 times (Google Scholar)) in international and national peer-reviewed journals, many of which have been published in premiere journals in their respective fields such as *British Medical Journal*, *Lancet Public Health,* *Lancet Infectious Diseases*, *International Journal of Epidemiology, Bulletin of the World Health Organization Circulation*, *Medical Care*, and the *Journal of Clinical Epidemiology*. He has also published extensively in Australian medical and health journals including the *Medical Journal of Australia*, *Australian Health Review* and the *ANZ* Journal of Public Health. Prof Preen has also authored 18 commissioned large-scale published reports for agencies such as MundiPhama International, Medibank Health Solutions, the WA Department of Health, the Australian Council on Smoking and Health, Public Health Advocacy Institute of Australia, Heart Foundation WA, and WA Country Health Services.

***Prizes & Awards:*** Testament to the quality of Prof Preen’s research, he has been awarded national and international prizes for his work. This includes the Peter Reizenstein Prize by the International Journal of Quality in Health Care for the best paper published by that journal, Editor’s Choice Award from the Medical Journal of Australia and the Editor’s Clinical Highlights Award from the Journal of Rheumatology. Prof Preen has also received prizes from multiple national and international conferences including the Australian Epidemiological Association National Conference best poster prize. In 2015 he was the recipient of the Consumer Participation Award from the WA Consumer and Community Advisory Council in recognition of good practice initiatives with consumer and community participation in health research.

**Supervision and mentoring**

Prof Preen has supervised >45 graduate/postgraduate research students (32 as the principal supervisor). This includes 26 PhDs (21 completions) and 15 Masters (14 completions, 9 with Distinction). In addition, supported through his research grants, Prof Preen has built research capacity through direct employment and mentoring of 27 early career research staff which he has been responsible for managing and supervising since 2006.

**Contribution to the profession**

Due to his expertise in linked data research, Prof Preen has been a member of >20 institutional, state and national committees including: i) the Data Linkage Australia Advisory Board; ii) Sax Institute Board; iii) NHMRC Research Committee; iv) NHMRC Australian Health Ethics Committee; v) Longitudinal Study of Australian Children (LSAC) Advisory Committee; vi) Chair; 2018 Precision Public Health Asia Conference; vi) Chair; Scientific Committee for the 2020 International Population Data Linkage Conference; vii) Chair; Cancer Council of Western Australia Research Committee; viii) National Prescribing Service MedicineInsight Data Governance Expert Committee; ix) Editorial Board of the International Journal of Population Data Science; x) Australian Health Review Editorial Advisory Committee; and xii) NHMRC Grant Review Panels over many years.

**Example of research and/or policy impact**

Prof Preen has a long history of translation of research findings to policy and practice. Some examples of translational impact from research he has led include: i) research into the impact of family and domestic violence (FDV) on children referenced in the $20M Commonwealth Government contribution toward the Domestic and Family Violence National Partnership Agreement with States and Territories, and a $6.5M investment from the NSW Government to fund specialist workers to support children and teenagers living in women’s refuges at risk of FDV; ii) evaluation of a $50M program aimed at improving wellbeing and access to services for Aboriginal people in WA resulted in more secure funding of Aboriginal health programs in WA with service performance evaluation now embedded in Aboriginal health services in WA regions; iii) establishment of routine evaluation of the use of Schedule 8 prescription medicines (ie, drugs of dependence) in WA which led to a 25% reduction in the rate of stimulant use by WA boys and a 30% reduction in GP co-prescribing of stimulant medications in the State; iv) research examining access to primary care among people released from prison led the 2018 Medicare Benefits Schedule Review Taskforce to recommend changing Medicare policy to include a subsidy for health assessments for the >63,000 prison releases in Australia annually; v) research on the combined effects of smoking and alcohol on head and neck cancers that was used as the supporting evidence by the WA Government to enable legislation to ban smoking in clubs and pubs within the State (WA was the first State in the country to implement these anti-smoking laws); and vi) research demonstrating the safety of methoxyflurane use in trauma settings for pregnant women was used in a formal submission by MundiPharma International to the US Therapeutic Goods Administration to register the medication for use in America.

**Top 5 peer-reviewed publications from the past 5 years**

Recent journal publications which demonstrate Prof Preen’s activity in areas relevant to the current application are as follows:

1. Young JT, Heffernan E, Borschmann R, Ogloff JRP, Spittal MJ, Kouyoumdjian FG, Preen D, et al. Dual diagnosis and injury in adults recently released from prison*. Lancet Public Health* 2018; DOI: 10.1016/S2468-2667(18)30052-5.
2. Cumming C, McKetin R, Kinner SA, Preen DB. Methamphetamine use, health and criminal justice system outcomes: a systematic review. *Drug and Alcohol Review* 2020; 39: 505-518.
3. Sims S, Preen DB, Pereira GF, Fatovich D, Livingston M, O’Donnell M. Alcohol-related harm in emergency departments: linking to subsequent hospitalisations to quantify under-reporting of presentations. *Addiction* 2020; doi:10.1111/add.15284.
4. Young JT, Borschmann R, Heffernan E, Spittal MJ, Brophy L, Ogloff JRP, Moran P, Armstrong G, Preen DB, Kinner SA. Contact with mental health services after acute care for self-harm among adults released from prison: A prospective data linkage study. *Suicide and Life-Threatening Behavior* 2020; doi:10.1111/sltb.12639.
5. Kelty E, Pyle A, Preen DB. Opioid poisoning during pregnancy: Prevalence, characteristics, and neonatal outcomes. *Archives of Women’s Mental Health* 2022*;* 25(5): 957-963.