

## 2-PAGE CURRICULUM VITAE - DERRICK LOPEZ PhD

### Career summary

I am a Research Fellow at the School of Population and Global Health, The University of Western Australia (UWA). I have been involved with conducting epidemiological studies and health services research with Australian and international researchers using population-level linked data in many areas including cardiovascular disease, pharmacoepidemiology, healthy ageing and frailty, and rural health. I also have experience in conducting randomised controlled trials and qualitative studies.

### Research support

1. Western Australian Department of Health Research Translation project: **CIA**. Pilot study to determine cost effectiveness of extending the community pulmonary rehabilitation phase 3 program beyond the initial 10 weeks. \$239,440
2. NHMRC CRE in Medicines and Ageing 2017-2018: **CIA**. Identifying barriers and priority areas for building workforce capacity in pharmacoepidemiology research. \$27,774
3. UWA Research Collaboration award 2016: **CIB**. Comparative analyses of coronary heart disease epidemiology in Australia and England. \$11,480
4. NHMRC 2014-2017: **AI**. Long-term use and cost-effectiveness of secondary prevention medications for heart disease in WA seniors. \$729,513
5. NHMRC PhD Scholarship

### Collaborations

I have collaborations with investigators from the Centre for Big Data Research in Health (UNSW), Australian Urban Health Indicators (AusUrb-HI) and Royal Flying Doctor Services Western Operations.

### Current professional involvement

I am a member of the Australasian Epidemiological Association and of the Executive Committee of the international Population Data Linkage Network (IPDLN)

### International standing

I have presented at international conferences (Europe, North America, New Zealand) and have published in international journals, providing exposure for my research.

### Teaching roles

I have been involved in teaching the "*Introductory Analysis of Linked Health Data*" and "*Advanced Analysis of Linked Health Data*" at UWA since 2014.

### Supervision and mentoring

Doctor of Medicine (MD) student research project – 2 students

### Peer review involvement

I have reviewed for various journals such as BMC Health Services Research, Health and Quality Life Outcomes, BMJ Open, Maturitas, The Journal of Nutrition, Health and Aging, Journal of Epidemiology and Community Health and Cancer Epidemiology. I have also reviewed abstracts for various national and international conferences.

### Service role to universities

I have examined for Masters dissertations for UWA and Curtin University. I am also the social media coordinator for the Centre for Health Services Research at the UWA School of Population and Global Health.

### Other service roles

- Peer reviewer for Health Research Council of New Zealand (2021)
- Member of the Methods Portfolio of the Medicines Intelligence CRE (2021-present)
- Organising committee for the 2021 Medicines Intelligence CRE Annual Research Symposium and Policy Forum
- Member National Stroke Data Linkage Interest Group (2018-present)
- Organising committee for the 2018 Annual Scientific Meeting of the Australasian Epidemiological Association

### Research publications (h index = 13; total citations = 1269 at April 2022) from 2021-present:

1. **Lopez D**, Strange C, Sanfilippo FM, Daniels B, Pearson S and Preen DB. Needs and priorities for building Australian workforce capacity to leverage population-based, routinely-collected data: views from the field of pharmacoepidemiology. *Public Health Res Prac* (in press)
2. **Lopez D**, Murray K, Preen DB, et al. The Hospital Frailty Risk Score identifies fewer cases of frailty in a community-based cohort of older men than the FRAIL Scale and Frailty Index. *J Am Med Dir Assoc* (in press)
3. Nedkoff L, **Lopez D**, Hung J, et al. Validation of ICD-10-AM coding for myocardial infarction subtype in hospitalisation data. *Heart Lung Circ.* (in press)
4. Ung D, Wang Y, Sundararajan V, ... **Lopez D**, ... et al. Optimal measures for primary care physician encounters after stroke and association with survival: a data linkage study. *Neuroepidemiol.* (in press)
5. Heath Jeffery RC, Mukhtar SA, **Lopez D**, et al. Incidence of newly registered blindness from age-related macular degeneration in Australia over a 21-year period: 1996–2016. *Asia-Pacific J Ophthalmol.* 2021; 10: 442-9.
6. Kilkenny MF, Phan HT, Lindley RI, ... **Lopez D**, ... et al. Utility of the Hospital Frailty Risk Score derived from administrative data and the association with stroke outcomes. *Stroke.* 2021; 52: 2874-81.
7. **Lopez D**, Nedkoff L, Briffa T, et al. Effect of frailty on initiation of statins following incident acute coronary syndromes in patients aged  $\geq 75$  years. *Maturitas.* 2021; 153: 13-8.
8. **Lopez D**, Preen DB, Etherton-Beer C, Sanfilippo FM. Frailty, and not medicines with anticholinergic or sedative effects, predicts adverse outcomes in octogenarians admitted for myocardial infarction: Population-level study. *Austral J Ageing.* 2021; 40: e155-e62.
9. Ung D, Dalli LL, **Lopez D**, et al. Assuming one dose per day yields a similar estimate of medication adherence in patients with stroke: An exploratory analysis using linked registry data. *Br J Clin Pharmacol.* 2021; 87: 1089-97.

### Previous research appointments

1. Research Associate, Western Australian Centre for Cancer and Palliative Care, Edith Cowan University, Western Australia (2008-09)
2. Research Associate, Western Australian Centre for Health and Ageing, The University of Western Australia (2009-11)
3. Research Fellow, Western Australian Centre for Rural Health, The University of Western Australia (2012-14)