

Laurie Brown

Research Director (Health & Ageing)

Personal details

Contact details	NATSEM, University of Canberra, ACT 2601 Tel: 61 2 6201 2770 Fax: 61 2 6201 2751 Email: laurie.brown@natsem.canberra.edu.au
Academic qualifications	1995 High Distinction in 'Introduction to Tertiary Teaching', Postgraduate Subject, Faculty of Education, University of Wollongong. 1991 Certificate, The New England Epidemiology Institute Summer Program in Epidemiology, Tufts University, Boston, USA. 1990 Certificate, WHO Training Course on the Epidemiology and Public Health Aspects of Diabetes Mellitus, University of Cambridge, Cambridge, UK. 1989 Ph.D. (Medical Geography, Epidemiology, Health Services Research), Canterbury University, Christchurch, N.Z. 1982 M.Sc. (Geography of Health) Canterbury University, Christchurch, N.Z. 1981 B.Sc. Hons (Class II Div I), Geography, Canterbury University, Christchurch, N.Z.
Affiliations	

Professional history

2008-	Professor, NATSEM, UC
2004-	Research Director, NATSEM, UC
2002-04	Principal Research Fellow, NATSEM, UC
2001-02	Senior Research Fellow, NATSEM, UC
1997-2001	Senior Lecturer, Geography, School of Geosciences, University of Wollongong
1993-96	Lecturer, Department of Geography, University of Wollongong
1992-93	Independent Health Research Consultant, Christchurch, NZ.
1991-93	Research Fellow, Lipid & Diabetes Research Group, Christchurch Hospital, Christchurch, NZ.
1989-91	New Zealand Health Research Council Research Training Fellow, Department of Medicine, Christchurch School of Medicine, University of Otago, The Princess Margaret Hospital, Christchurch, NZ
1985-93	Guest Lecturer, Department of Geography & Department of History (American Studies), University of Canterbury; and Christchurch School of Medicine, University of Otago, Christchurch, NZ
1983-88	Scientific Officer, Department of Medicine, Christchurch School of

1981-82 Medicine, University of Otago, The Princess Margaret Hospital, Christchurch; Part-time Teaching Assistant, Department of Geography, University of Canterbury, Christchurch, NZ
 Assistant Field Officer, Christchurch Diabetes Society, the Christchurch Diabetes, Education Centre, Christchurch, NZ.

Relevant experience

Laurie Brown heads NATSEM's health and ageing research team and is one of Australasia's leading health geographers and health modellers. Laurie has over 25 years experience in health policy and practice and researching the impacts of demographic, social and economic change. She has a background in medical geography, epidemiology, health economics and health services research. Laurie has taught geography of health courses, economic and development geography, and population and urban studies; has worked with an independent medical research group at the Christchurch School of Medicine in New Zealand; and has been a consultant to the New Zealand Ministry of Health and Australian Commonwealth Department of Health and Ageing. Laurie is currently playing a leading role in the analysis of micro-data for and the development and application of microsimulation models to investigating policy issues in health and ageing in Australia and internationally.

Research Competitive Grants (last five years)

2010-2012	Australian Research Council Linkage Project Grant LP100100180, \$275k (ARC). Financing aged care in Australia: Mitigating fiscal gaps and maintaining intergenerational equity (with A. Harding, G. Ranmuthugala, R. Hancock and P. Anderson).
2010-2012	Australian Research Council Discovery Project Grant DP1094318, \$289k. Towards an enhanced understanding of child and youth social exclusion risk at a small area level in Australia (with A. Daly, J. McNamara, A. Ben-Arieh, M. Noble and L Johnson).
2008-2010	ARC Linkage Project Grant LP0883041, \$78k. Population Ageing, Health Status and Health Outlays: Assessing Impacts and Policy During the Next 40 Years (with A. Harding).
2008-2009	ARC Discovery Project Grant DP0881616, , \$173k. Improving Government Policy Making and Needs-Based Delivery of Services: Innovative Techniques to Enhance Administrative Data by Adding Socioeconomic Status (with A Harding and L Thurecht).
2007-11	NHMRC/ARC AWAP Strategic Grant (ID 410215)., \$2m. Learning How to Age Well From Australian Longitudinal Studies of Ageing (with K Anstey, J Byles, A Harding, M Luszcz, P Mitchell, D Steel, H Booth, C Browning, P Butterworth, R Cumming, J Healy)..
2006-08	New Zealand Health Research Council Project Grant, \$NZ1,049k. Primary Care in an Ageing Society: a modelling approach (with P

Davis, A Scott, N Kerse, A. Sporle, R. Lay-Yee)

Publications and papers (last five years)

Book Chapters

Brown, L., Harris, A., Picton, M., Thurecht, L., Yap, M., Harding, A., Dixon, P. and Richardson, J (2009) 'Linking microsimulation and macro-economic models to estimate the economic impact of chronic disease prevention ' Chpt 20 in Zaidi, A., Harding, A. and Williamson, P. (Eds) *New Frontiers in Microsimulation Modelling*. Ashgate: European Centre Vienna, pp527-556.

Brown, L., Abello, A., Phillips, B. and Harding, A. (2007). *The Australian Pharmaceuticals Benefit Scheme and Older Australians: Changes in Government Outlays and Consumer Costs from the 2002-03 Federal Budget Measures*. Ch 8 in *Modelling our Future: Population Ageing, Health and Aged Care*, Gupta, A. and Harding, A. (Eds), Elsevier B. V., Amsterdam, *International Symposia in Economic Theory and Econometrics*, Volume 16, pp. 169-196.

Abello, A., and Brown, L. (2007). Model 18: MediSim (Static Microsimulation Model of the Australian Pharmaceutical Benefits Scheme) In *Modelling our Future: Population Ageing, Health and Aged Care*, Gupta, A. and Harding, A. (Eds), Elsevier, Amsterdam, *International Symposia in Economic Theory and Econometrics*, Volume 16, pp. 533-542.

Brown, L and Harding, A, (2005). 'The new frontier of health and aged care', Ch. 10. in *Quantitative Tools for Microeconomic Policy Analysis*, Conference Proceedings, Canberra, 17–18 November 2004, Productivity Commission, Canberra.

Refereed Journal
Articles

Ranmuthugala, G., Brown, L., Thurecht, L and Lymer, S. Is the self-reported private health insurance status in the National Health Survey representative of private health insurance coverage in Australia. *Australian and New Zealand Journal of Public Health* (accepted June 2010).

Thurecht, L., Brown, L. and Yap, M. Economic Modelling of the Prevention of Type 2 Diabetes in Australia – The Diabetes Model. *International Journal of Microsimulation* (accepted June 2010).

Nepal, B., Brown, L., Ranmuthugala, G. Modelling the impact of modifying lifestyle risk factors on dementia prevalence in Australian population aged 45 years and over, 2006-2051. *Australasian Journal on Ageing* (accepted 2 Sept. 2009).

Lymer, S., Brown, L., Payne, A., and Harding, A. Constructing a basefile for the microsimulation modelling of the use and costs of medical services in Australia, *International Journal of Microsimulation* (accepted 30 May 2009).

Ranmuthugala, G., Nepal, B., Brown, L., and Percival, R.(2009). Impact of home-based long-term care on informal carers. *Australian Family Physician*. 38(8), 618-620.

Lymer, S., Brown, L., Harding, A., and Yap, M. Predicting the need for aged care services at the small area level: the CAREMOD spatial microsimulation model. *International Journal of Microsimulation*, 2(2), 27-42.

Lymer, S., Brown, L., Yap, M. and Harding, A. (2008). 2001 Regional Disability Estimates for New South Wales, Australia, using Spatial Microsimulation. *Applied Spatial Analysis and Policy*, 1, 99-116.

Nepal, B., Ranmuthugala, G., Brown, L., and Budge, M. (2008). Modelling costs of dementia in Australia: evidence, gaps, and needs. *Australian Health Review*, 32 (3), 479-487.

Abello, A., Lymer, S., Brown, L., Harding, A. and Phillips, B. (2008). Enhancing the Australian National Health Survey Data for Use in a Microsimulation Model of Pharmaceutical Drug Usage and Cost. *Journal of Artificial Societies and Social Simulation*, 11 (3), 2 <<http://jasss.soc.surrey.ac.uk/11/3/2.html>>.

Ranmuthugala, G., Brown, L., Lymer, S. and Thurecht, L. (2008). Hospital Admissions in the NHS and Hospital Separations in the NHMD: What is the Difference? *Australian and New Zealand Journal of Public Health*, 32 (3), 276-281.

Nepal B., Brown L., Ranmuthugala, G. (2008). Years of life lived with and without dementia in Australia, 2004-2006: A population health measure. *Australian and New Zealand Journal of Public Health*, 32 (6), 565-568.

Selected Other
Publications

Brown, L., Abello, A., and Harding, A. (2006). Which Australian Families Benefit from the Australian Pharmaceuticals Benefit Scheme's Safety Net? *Agenda*, 13(3), 211-224

Barnett, J.R. and Brown, L.J. (2006). Getting into Hospitals in a Big Way: The Corporate Transformation of Hospital Care in Australia. *Environment and Planning D: Society and Space*. 24(2) 283–310.

Brown, L., Payne, A., Nepal, B., Gong, C. and Cooper, G. (2010). Public Funding of Hospital Medicines in Australia: The Current System and Proposals For Reform. NATSEM, University of Canberra, March, 2010

Thurecht, L., Armstrong, A., and Brown, L. (2009). Modelling the "Gap" in Treating to Target for Type 2 Diabetes in Australia. Report prepared for Eli Lilly Australia, NATSEM, University of Canberra, October 2009.

Nepal, B., Payne, A., Brown, L. (2009). Healthy, Wealthy and Wise? The relationship between health, employment and earnings in Australia. AMP.NATSEM Income and Wealth Report Issue 23. July 2009.

Brown, L., Payne, A., Lymer, S. and Armstrong, A (2008). Distribution of Expenditure on Health Goods and Services by Australian Households. Report prepared for the National Health and Hospitals Reform Commission, October 2008, NATSEM, University of Canberra.

Nepal, B., Brown, L., Ranmuthugala, G. and Percival, R (2008). The Commonwealth Financial Planning Women Carers in Financial Stress Report. Lifetime Health and Economic Consequences of Caring: Modelling Health and Economic Prospects of Female Carers in Australia. Report prepared for Carers Australia and Commonwealth Financial Planning, October 2008, NATSEM, University of Canberra.

Ranmuthugala, G., Brown L. and Lidbury, B (2008) The Burden of Disease Associated with Respiratory Syncytial Virus in Australia. Discussion Paper No 7. 64, July 2008, ISSN 1443-5101, NATSEM, University of Canberra.

Brown L., Yap M., Nepal, B. and Daly, A. (2008). The Economics of Disadvantage in the Victorian Indigenous Community. NATSEM Report to the Task Force on Aboriginal Affairs, Victorian Department of Planning and Community Development, June 2008.