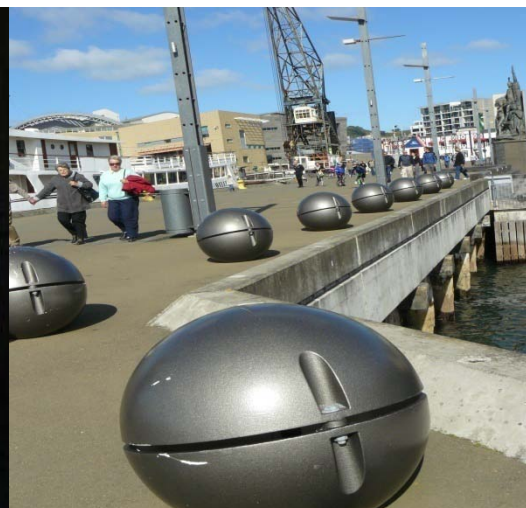




# Department of Primary Health Care and General Practice

# RESEARCH REPORT 2011





# **Department of Primary Health Care & General Practice**

## **Research Report 2011**

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### **Further information**

<http://www.otago.ac.nz/wellington/departments/primaryhealthcaregeneralpractice/research/index.html>

## Overview

2011 was once again a very productive year for staff in the Department of Primary Health Care and General Practice, with a total of 54 research-related publications and conference presentations, and overall slight growth in externally funded research staff tenths (despite down-sizing of some positions towards the end of the year). The research funding environment remained extremely challenging in 2011, requiring a larger than usual investment of time and effort in preparing grant applications on the part of research only staff and other research-active staff. The 2006-2011 PBRF round also required preparation of comprehensive evidence portfolios by 17 eligible staff, representing a significant additional demand on already pressured research and research management time. The credibility of the department's researchers was affirmed by the award of a major HRC grant in 2011, and by a record number of expressions of interest selected for consideration as full proposals in the 2012 HRC and Marsden Fund rounds. A significant amount of funding was also accrued from a collection of smaller external and internal grants. The 2011 year was also notable for a number of emerging researchers and higher degrees students in the department winning small to medium sized grants and/or successfully leading their own projects, and for a particularly successful set of summer research projects which were closely aligned with current research and teaching priorities in the department.

### Grant-funded research in 2011

- *PHCGP staff were involved in 18 funded projects in progress/completed during 2011*
- *During 2011, grants were awarded for 7 new projects commencing in 2012 (2 University of Otago Research Grants, 3 Lotteries Health Research grants, 1 Ako Aotearoa Regional Hub Grant, 1 CALT grant)*
- *8 proposals were entered for the major 2012 grant rounds: WHRC – HRC Programme, 2 HRC project grants; ARCH – 2 HRC project grants, 1 Marsden Fund grant, 1 HRC Feasibility Study; Other – 1 HRC Partnership Grant*
- *2 Theses awarded:*

*Sarah White - A structural analysis of patient-surgeon consultations (PhD)*

*Julia Ebbett – What are patients' perceptions of the nursing contribution within the Ministry of Health funded semi-structured programme, CarePlus? (MPHC)*

- *6 summer student projects were hosted in the department Nov 2011- Feb 2012*

### Research outputs

- *54 formal outputs in total for the calendar year 2011: 28 journal articles; 1 book chapter; 1 commissioned report; 1 video; 23 conference contributions*
- *PHC&GP staff gave many additional seminars, workshops and presentations within the university, and to external professional and community groups*

### Other

- *Visitors to Department in 2011: Prof Stacie Geller (University of Illinois, Chicago); Prof Steve Iliffe (University College London, UK); Prof Barry Jackson (Bloomfield University, Pennsylvania)*
- *Research & Study Leave: Helen Moriarty Nov 2011- April 2012*
- *6 PHCGP staff were awarded Otago University Health Sciences Division PBRF publication grants*

**Maria Stubbe, Research Director**

As indicated above, 2011 has been a productive year despite the steadily increasing difficulty in securing external research funding. Building research capacity and skills in and for primary health care is a continuing nationwide challenge, yet the need has never been greater to conduct relevant research that makes a difference to improving health services and health outcomes for patients and whanau. Clinical and research workforce issues intersect in many ways in primary care – new models of health care delivery must include research and development if the sector is to not only survive but thrive.

The scope of our collective research outputs this year reflect a necessarily wide portfolio, but the dominant themes of women's health, communication in health care, health services research and lifestyle behaviours also give considerable depth that is already being built on in 2012.

I would like to record here thanks to Maria Stubbe in her Research Director role, and to Hazel Phillips for Research Administration.

**Sue Pullon, Head of Department**

## 2011 PHCGP RESEARCH OUTPUTS

### Book Chapter

Ballantyne, A. (2011). Exploitation. In R. Chadwick (Ed.), *Encyclopedia of applied ethics* (2nd ed.) (pp. 264-271). San Diego, CA: Academic Press. [doi: 10.1016/B978-0-12-373932-2.00290-8](https://doi.org/10.1016/B978-0-12-373932-2.00290-8)

### Journal - Research Article

Ballantyne, A. J., & Rogers, W. A. (2011). Sex bias in studies selected for clinical guidelines. *Journal of Women's Health, 20*(9), 1297-1306. [doi: 10.1089/jwh.2010.2604](https://doi.org/10.1089/jwh.2010.2604)

Collings, S., Mathieson, F., Dowell, A., Stanley, J., Jenkin, G., Goodyear-Smith, F., & Hatcher, S. (2011). Acceptability of a guided self-help mental health intervention in general practice. *Family Practice*. Advance online publication. [doi: 10.1093/fampra/cm066](https://doi.org/10.1093/fampra/cm066)

Darlow, B., Fullen, B. M., Dean, S., Hurley, D. A., Baxter, G. D., & Dowell, A. (2011). The association between health care professional attitudes and beliefs and the attitudes and beliefs, clinical management, and outcomes of patients with low back pain: A systematic review. *European Journal of Pain*. Advance online publication. [doi: 10.1016/j.ejpain.2011.06.006](https://doi.org/10.1016/j.ejpain.2011.06.006)

Dwairy, M., Dowell, A. C., & Stahl, J.-C. (2011). The application of foraging theory to the information searching behaviour of general practitioners. *BMC Family Practice, 12*, 90. [doi: 10.1186/1471-2296-12-90](https://doi.org/10.1186/1471-2296-12-90)

Elley, C. R., Garrett, S., Rose, S. B., O'Dea, D., Lawton, B. A., Moyes, S. A., & Dowell, A. C. (2011). Cost-effectiveness of exercise on prescription with telephone support among women in general practice over 2 years. *British Journal of Sports Medicine, 45*(15), 1223-1229. [doi: 10.1136/bjism.2010.072439](https://doi.org/10.1136/bjism.2010.072439)

Gallagher, P., & Pullon, S. (2011). Travelling educational workshops for clinical teachers: Are they worthwhile? *Clin Teach, 8*(1), 52-56. [doi: 10.1111/j.1743-498X.2010.00421.x](https://doi.org/10.1111/j.1743-498X.2010.00421.x)

Gardner, J., Dew, K., Stubbe, M., Dowell, T., & Macdonald, L. (2011). Patchwork diagnoses: The production of coherence, uncertainty, and manageable bodies. *Social Science & Medicine*. Advance online publication. [doi: 10.1016/j.socscimed.2010.12.010](https://doi.org/10.1016/j.socscimed.2010.12.010)

Garrett, S., Elley, C. R., Rose, S. B., O'Dea, D., Lawton, B. A., & Dowell, A. C. (2011). Are physical activity interventions in primary care and the community cost-effective? A systematic review of the evidence. *British Journal of General Practice, 61*(584), e125-e133. [doi: 10.3399/bjgp11X561249](https://doi.org/10.3399/bjgp11X561249)

Gray, B. (2011). Informed consent in patients with limited English proficiency. *New Zealand Health & Hospital*, (May-June), 16. Retrieved from <http://www.healthandhospital.co.nz>

Gray, B. (2011). Lifetime cardiovascular risk [Letter]. *New Zealand Medical Journal, 124*(1336). Retrieved from <http://www.nzma.org.nz/journal/124-1336/4719/content.pdf>

Gray, B., Hilder, J., & Donaldson, H. (2011). Why do we not use trained interpreters for all patients with limited English proficiency? Is there a place for using family members? *Australian Journal of Primary Health, 17*, 240-249. [doi: 10.1071/PY10075](https://doi.org/10.1071/PY10075)

Gray, B., Stanley, J., Stubbe, M., & Hilder, J. (2011). Communication difficulties with limited English proficiency patients: Clinician perceptions of clinical risk and patterns of use of interpreters. *New Zealand Medical Journal*, 124(1342). Retrieved from <http://journal.nzma.org.nz/journal/124-342/4861/content.pdf>

Haydon-Clarke, J., McKinlay, E., & Moriarty, H. (2011). Health needs assessment and nurse-led health care services of a small island community: Methodology and results of a pilot study of the health status of residents of Stewart Island, New Zealand. *Online Journal of Rural Nursing and Health Care*, 11(1). Retrieved from <http://rnojournals.binghamton.edu/index.php/RNO/article/view/11/9>

Lim, B. T., Moriarty, H., & Huthwaite, M. (2011). "Being-in-role": A teaching innovation to enhance empathic communication skills in medical students. *Medical Teacher*, 33(12), e663-e669.  
[doi: 10.3109/0142159x.2011.611193](https://doi.org/10.3109/0142159x.2011.611193)

McKinlay, E., & Davison, J. (2011). Supporting nurses to provide primary mental health care. *Kai Tiaki: Nursing New Zealand*, 17(8), 18-20.

McKinlay, E., Garrett, S., McBain, L., Dowell, T., Collings, S., & Stanley, J. (2011). New Zealand general practice nurses' roles in mental health care. *International Nursing Review*, 58(2), 225-233.  
[doi: 10.1111/j.1466-7657.2010.00859.x](https://doi.org/10.1111/j.1466-7657.2010.00859.x)

McKinlay, E., McBain, L., Stanley, J., & Robertson, G. (2011). Does a multi component palliative care education programme help medical students talk with patients at end-of-life? [Letter]. *Medical Teacher*, 33(10), 864. [doi: 10.3109/0142159x.2011.618042](https://doi.org/10.3109/0142159x.2011.618042)

Moriarty, H. J., Stubbe, M. H., Chen, L., Tester, R. M., Macdonald, L. M., Dowell, A. C., & Dew, K. P. (2011). Challenges to alcohol and other drug discussions in the general practice consultation. *Family Practice*. Advance online publication. [doi: 10.1093/fampra/cmz082](https://doi.org/10.1093/fampra/cmz082)

Moriarty, H., Stubbe, M., Bradford, S., Tapper, S., & Lim, B. T. (2011). Exploring resilience in families living with addiction. *Journal of Primary Health Care*, 3(3), 210-217.

Nelson, K. M., Christensen, S., Aspros, B., McKinlay, E., & Arcus, K. (2011). Adding value to stretched communities through nursing actions: The Wellington South Nursing Initiative. *Contemporary Nurse*, 40(1), 87-102. [doi: 10.5172/conu.2011.40.1.87](https://doi.org/10.5172/conu.2011.40.1.87)

Perera, R., & Moriarty, H. J. (2011). The MacGyver effect: Alive and well in health services research? *BMC Health Services Research*, 11, 226. [doi: 10.1186/1472-6963-11-226](https://doi.org/10.1186/1472-6963-11-226)

Pullon, S. (2011). [Review of the book: *Baby gone: True New Zealand stories of infertility, miscarriage, stillbirth and infant loss*]. *GP Pulse*, (October), 38

Pullon, S., McKinlay, E., Stubbe, M., Todd, L., & Badenhorst, C. (2011). Patients' and health professionals' perceptions of teamwork in primary care. *Journal of Primary Health Care*, 3(2), 128-135.

Pullon, S. (2011). Training for family medicine in Canada and general practice in New Zealand: How do we compare? [Viewpoint]. *Journal of Primary Health Care*, 3(1), 82-85.

Rose, S. B., & Lawton, B. A. (2011). Impact of long-acting reversible contraception on return for repeat abortion. *American Journal of Obstetrics & Gynecology*. Advance online publication. [doi: 10.1016/j.ajog.2011.06.102](https://doi.org/10.1016/j.ajog.2011.06.102)

Rose, S. B., Cooper, A. J., Baker, N. K., & Lawton, B. (2011). Attitudes toward long-acting reversible contraception among young women seeking abortion. *Journal of Women's Health, 20*(11), 1729-1735. doi: [10.1089/jwh.2010.2658](https://doi.org/10.1089/jwh.2010.2658)

Rose, S. B., Lanumata, T., & Lawton, B. A. (2011). Promoting uptake of the HPV vaccine: The knowledge and views of school staff. *Journal of School Health, 81*(11), 680-687. doi: [10.1111/j.1746-1561.2011.00644.x](https://doi.org/10.1111/j.1746-1561.2011.00644.x)

Smith, R., Krebs, J., Weatherall, M., McBain, L., Hullah, M., & Shapleski, M. (2011). Analysis of a primary care led diabetes annual review programme in a multi ethnic cohort in Wellington, New Zealand. *Diabetes Research & Clinical Practice, 91*(2), 164-170. doi: [10.1016/j.diabres.2010.11.018](https://doi.org/10.1016/j.diabres.2010.11.018)

### Conference Contribution

Bismark, M., Gray, B., & Douglass, A. (2011, April). *Reviewing and understanding key issues in informed consent*. Panel discussion at the 12th Annual Medical Law Conference, Wellington, New Zealand.

Campbell, B., Visser, J. T., & Narayanan, A. (2011). Strongyloidiasis incidence (New Zealand Police International Services Group): A three year retrospective review. *Proceedings of the 12th Conference of the International Society of Travel Medicine (ISTM)*, (pp. 50-51). Retrieved from <http://www.istm.org>

Dowell, T. (2011, March). *Challenges and controversies in mental health care*. Verbal presentation at the Goodfellow Symposium: Evidence into Practice, Practice into People, Auckland, New Zealand.

Dowell, T. (2011, September). *Bridges and ditches, pathways and gates: Models of working across the primary secondary interface from a primary care perspective*. Keynote speaker at the Royal Australian & New Zealand College of Psychiatrists (RANZCP) New Zealand Conference: Psychiatry in the field: Cultivating and diversifying our expertise?, Queenstown, New Zealand.

Gledhill, T., & Moriarty, H. (2011). Finding a culturally appropriate research approach to alcohol, drugs and family: NZ research examples. *Proceedings of the Society for the Study of Addiction (SSA) Annual Symposium*. Retrieved from [http://www.addiction-ssa.org/ssa\\_24.htm](http://www.addiction-ssa.org/ssa_24.htm)

Gray, B. (2011, April). *A model of integrated diabetes care in primary care: The role of the diabetes specialist*. Verbal presentation at the Australasian Long-Term Health Conditions Conference: Shaping our Future Health System, Auckland, New Zealand.

Gray, B. (2011). Are the principles of biomedical ethics culturally unsafe? *Proceedings of the Australian and New Zealand Association for Health Professional Educators (ANZAHPE) Conference: Local? Global?: Health Professional Education for Social Accountability*, 4244, (pp. 180). Adelaide, Australia: ANZAHPE

Gray, B. (2011, April). *Questioning the validity of "interpreted" informed consents*. Verbal presentation at the 12th Annual Medical Law Conference, Wellington, New Zealand.

Gray, B. (2011). Uncertainty: The crucial factor in considering hope and futility, the perspective of the general practitioner. *Proceedings of the Australasian Association of Bioethics and Health Law Conference*. Retrieved from <http://www.cdesign.com.au/aabhl2011/program.html>



Major, G, Napier, J. & Stubbe, M.. (2011). Using applied linguistics research to teach interpreters about discourse in doctor-patient consultations. Paper presented at *Langfest 2011: 2nd Combined Conference of the Applied Linguistics Association of Australia and Applied Linguistics Association of New Zealand*, University of Canberra and Australian National University, 30 Nov-2 Dec 2011.

Makowharemahihi, C. (2011, August). *Disparities in maternal care*. Verbal presentation at the Joan Donley 5th Biennial Midwifery Research Forum, New Plymouth, New Zealand.

McKinlay, E., Gray, B., & McBain, L. (2011, April). *Strategies to build a teamwork-capable and patient-centred chronic conditions workforce*. Verbal presentation at the Australasian Long-Term Health Conditions Conference: Shaping our Future Health System, Auckland, New Zealand.

McKinlay, E., O'Reilly, S., Clendon, J., & Hemm, F. (2011). Is our focus right? Workforce development for primary health care nursing. *Proceedings of the 15th Australasian Nurse Educators Conference: Innovations in Nurse Education in Practice, Thinking Aloud, Thinking Ahead*. Retrieved from <http://www.nursed.ac.nz/2011/>

Moriarty, H., Huthwaite, M., Pullon, S., & Gallagher, P. (2011). Learning to portray empathy. In K. Shephard, T. Harland, & A. Cohen (Eds.), *Proceedings of the Spotlight on Teaching and Learning Colloquium*, (pp. 24). Dunedin, New Zealand: HEDC, University of Otago.

New Zealand Primary Care Pandemic Research Group, including McBain, L., Love, T., Dowell, T., Baker, M., Gray, B., & Stubbe, M. (2011, September). *Models of primary care for responding to pandemic influenza*. Verbal presentation at the 17th World Organization of National Colleges, Academies and Academic Associations of General Practitioners/Family Physicians (WONCA) Europe Conference, Warsaw, Poland

Pullon, S., M. Steinmetz, et al. (2011). Successful team-based midwifery care within a primary care service. The 2011 Conference for General Practice, The Langham Hotel, Auckland, RNZCGP, General Practice NZ

Stubbe, M., Tester, R., Macdonald, L., Dew, K., & Dowell, T. (2011, June-July). *Evolution by design: Creating a multimedia corpus for health interaction research. The ARCH Corpus of Health Interactions [Colloquium]*. Verbal presentation at the Ninth Interdisciplinary Communication, Medicine & Ethics (COMET) Conference, Nottingham, UK

Stubbe, M. (2011). (Not)'getting the message across'? Problematic talk on the factory floor. *International Pragmatics Association Conference (IPRA 2011)*, Manchester, 3-8 July 2011.

Stubbe, M. (2011, July). *Patient questions: A structural opportunity for agency in clinical decision making?* Verbal presentation at the 3rd Conversation Analysis & Clinical Encounters (CACE) International Conference, York, UK

Stubbe, M., & Dew, K. (2011, July). *Delayed presentation in the accounts of newly diagnosed diabetes patients*. Verbal presentation at the 3rd Conversation Analysis & Clinical Encounters (CACE) International Conference, York, UK

Stubbe, M. (2011, October). *Communications/Persuasion*. Verbal presentation at the 81st New Zealand Association of Optometrists (NZAO) Annual Conference, Wellington, New Zealand

Visser, J. T., Campbell, B., & Narayanan, A. (2011). Tuberculosis conversion in New Zealand Police personnel deploying overseas: A retrospective review. *Proceedings of the 12th Conference of the International Society of Travel Medicine (ISTM)*, (pp. 50). Retrieved from <http://www.istm.org/>

Zhang, W., Rose, S. B., Lawton, B. A., & Cooper, A. J. (2011). Methods and myths of contraception use for Chinese women in New Zealand. *Journal of Sexual Medicine*, 8(Suppl. 3), (pp. 261).  
[doi: 10.1111/j.1743-6109.2011.02325.x](https://doi.org/10.1111/j.1743-6109.2011.02325.x)

Woodbridge, M., Dowell, T., & Gray, L. (2011, October). *The assessment of men's risk of STI and HIV in the General Practice setting*. Verbal presentation at the New Zealand Sexual Health Society 33rd Annual Conference, Auckland, New Zealand.

### **Commissioned Report for External Body**

Gray, L., Mackie, B., MacDonald, C., Paton, D., Johnston, D. M., Johal, S., ... Baker, M. (2011). *Dynamics of an effective risk communication campaign for Influenza A (H1N1) [GNS Science Report 2011/04]*. Commissioned by Institute of Geological and Nuclear Sciences Limited. Avalon, New Zealand: GNS Science Te Pū Ao. 47p

### **Film/Video/CD Rom**

Pullon, S. and P. Gallagher (2011). Travelling educational workshops for clinical teachers

## 2011 Current Funded Research

Principal Investigator		Co-Investigators		Project Name	Funder	Start Date	End Date
<b>PHCGP</b>							
<b>WHRC</b>	<b>Bev Lawton</b>	S. Rose, S. Brown, A. Cooper, B. Robson		Inequalities in Uterine Cancer: exploring the issues	HRC	1/10/2008	30/06/2011
	<b>Zhang Wei</b>	S. Rose, S. Brown		Chinese women's use of and attitudes towards contraception	NZ Lottery Grants	1/03/2010	29/02/2012
	<b>Sally Rose</b>	B. Lawton, S. Brown, A. Cooper		Towards prevention of rapid repeat abortion among at-risk women	NZ Lottery Grants	1/01/2010	30/06/2012
	<b>Zhang Wei</b>	B. Lawton, S. Rose, S. Brown, A. Foster		Exploring access to breast cancer services for Chinese women in New Zealand (NEW)	NZ Lottery Grants	1/03/2011	30/06/2012
	<b>Bev Lawton</b>	S. Rose, S. Brown, S. Garrett, A. Cooper, C. Coles, J. Stanley, B. Robson		Wahine Hauora: Reducing barriers to care (Mums & Babes)	HRC	1/10/2009	30/11/2012
	<b>Bev Lawton</b>	E.J. Macdonald, S. Brown, S. Geller		Severe Acute Maternal Morbidity (SAMM) (NEW)	Ministry of Health	1/02/2011	31/03/2013
	<b>Bev Lawton</b>	C. Makowharemahini, S. Brown, P. Ellison, A. Cooper, B. Robson, F. Cram		Wahine Hauora: Addressing barriers to care ( E Hine)	HRC	1/09/2010	31/08/2013
<b>ARCH</b>							
	<b>Lesley Gray</b>	M. Stubbe, L. Macdonald, R. Tester, T. Dowell		Talking About Overweight and Obesity(TABOO): developing a brief opportunistic intervention (NEW)	UORG	1/01/2011	31/03/2012
	<b>Ben Gray</b>	J. Hilder		Toolkit for communicating with limited English proficiency patients (NEW)	RNZCGP	1/03/2011	30/04/2011
	<b>Ben Gray</b>	R. Perera		Interpreter Toolkit module development (NEW)	RNZCGP	1/08/2011	30/09/2011
<b>OTHER</b>							
	<b>Tom Love</b>	L. McBain, B. Gray, M. Baker, T. Dowell, M. Stubbe, Compass Health, Canterbury DHB		Capacity of routine primary care to manage pandemic influenza - H1N1	HRC Partnership Programme	1/03/2010	28/02/2011
	<b>Helen Moriarty</b>	S. Pullon, M. Huthwaite, P. Gallagher, B. Lim, R. Tester		Teaching empathy with motivation interviewing and brief intervention counselling skills	CALT RUT 2010	1/01/2010	31/03/2011
	<b>Helen Moriarty</b>	R. Tester		Talking About Alcohol Abuse in Pregnancy and FASD (NEW)	RACP	1/07/2011	31/12/2011
<b>EXTERNAL COLLABORATION</b>							
<b>AUT</b>	<b>Valery Feigin (AUT)</b>	<b>T. Dowell</b> (AUT sub-contract)		Traumatic brain injury burden in NZ	HRC / AUT	1/09/2009	31/08/2012
<b>CSM</b>	<b>Dee Mangin</b>	T. Dowell, L. Toop, R. Mulder, E. Begg, T. Stewart, A. Parsons, C. Dowson, B. Arroll, C. Dowson		Stable Primary Care Depression	HRC	19/02/2007	18/02/2012
<b>Public Health (UOW)</b>	<b>Sunny Collings</b>	T. Dowell , J. Stanley, J. Atkinson, N. Currey, S. McKenzie, J. Wang, K. Ramsamy, J. Sutherland et al.		MISP - Multi-level intervention suicide prevention	Ministry of Health	1/09/2009	30/06/2012
<b>Dept of Medicine (UOW)</b>	<b>Jeremy Krebs</b>	B. Gray, K. Coppel		Integrated Secondary Specialist Service in Primary Care Team Diabetes Management	HRC	1/09/2010	28/02/2012
<b>Psych. Med. (UOW)</b>	<b>Mark Huthwaite</b>	H. Moriarty		Health professional training resource-facilitating alcohol abstinence in pregnancy (NEW)	Alcohol Healthwatch	16/05/2011	31/08/2011