



Department of Primary Health Care and General Practice

Te Tari Hauora Tūmatanui me te Mātauranga Rata Whānau

RESEARCH REPORT 2015





Department of Primary Health Care & General Practice

Research Report 2015

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Further information

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

Foreword

In 2015 there were some significant changes in the Primary Health Care and General Practice (PHC&GP) Department in Wellington, but nevertheless significant research activity was initiated and continued, and research outputs were once again increased over the previous years. The department underwent its 7-year review and successive Research reports provided excellent evidence of quality research growth across the department.

For a number of reasons, the Women's Health Research Centre (WHRC) was officially moved from the PHC&GP Department to the Department of Obstetrics and Gynaecology on 1 November 2015. This will of course have a major impact on the research activity, income and outputs for both departments going forward. For convenience, this 2015 report includes WHRC projects and outputs for the entire calendar year. Next year's report will be the first reflecting this significant change.

Once again there were successful new grants for many smaller amounts rather than larger grants for larger projects. Work continued on a number of important larger grants, most notably in the WHRC. The Severe Acute Maternal Morbidity projects gained significant traction in informing health policy during the year.

As previously, this has been achieved alongside other major commitments: undergraduate and postgraduate teaching, clinical responsibility, service for and with the sector at large, and contributions to the university. Overall amount of research activity has continued to increase and diversify.

Postgraduate research students have all progressed well, with several theses completed, examined and awarded, as well as resulting in associated publications from new knowledge.

In general, research outputs have again increased in number from 2014 to 2015, with an excellent proportional increase in quality peer-reviewed journal articles, as well as evidence of effective dissemination to professional groups and the community via conferences and meetings of various kinds.

Thank you to all staff who undertake and support research in and beyond the Department. Research and development in the primary health care sector is vital to improving health care in NZ and internationally, and without continued staff enthusiasm, effort and commitment, this essential contribution would not be possible.

Ngā mihi

Associate Professor Sue Pullon

Head of Department, May 2016

Overview

Research activity continued to flourish in 2015. The Department's overall research portfolio encompassed a mix of established and newer work programmes, with a continuing and growing emphasis on the development of inter-professional working, and on translational research and the provision of useful results and tools for the health sector. There was also a continued focus on collaborative and interdisciplinary research involving colleagues within the Department and UOW, and partners from other Otago campuses and external institutions in New Zealand, Australia, North America and Europe/UK. The overall research profile of the Department portfolio continues to include a growing contribution by Masters and PhD students, including the recent award of an Academic GP Registrar scholarship to a new PhD candidate.

Active research themes in 2015 continued to cover a range of topics relevant to primary health care were: women's health; sexual and reproductive health; child and adolescent health; communication in health care; inter-professional education; mental health and addiction; health services evaluation; quality assurance and quality indicators; clinical education; interdisciplinary and inter-sectoral collaboration; travel medicine; and further consolidation of several newer themes in the areas of pharmacy, bioethics and back pain.

Funded research projects/consultancies

Total value of new grants awarded in 2015 was \$501,344. Total research income from all sources received during 2015 was \$xxxxxxx (to be confirmed).

- A total of 25 funded projects were started, in progress or completed during 2015. Ten (10) of these commenced in 2015: HRC (1); Lotteries Health (2), University of Otago (6); WMRF (1).
- PHCGP staff were involved as principal or co-investigators in 2 external collaborations and 2 commercial consultancies.
- The department hosted and supervised 1 fully funded summer research projects (2015/16)
- Several small (\$2-3 K) seeding grants were provided from department funds for researchers to establish pilot work, and to pay the fees for publishing in open access journals.

Research outputs

In the 2015 calendar year the department's staff and research students produced in total 96 research-related outputs in addition to a number of in-house, external and professional peer group seminars or workshops, and 5 higher degrees were awarded. 86 formal research outputs in total are listed on the University of Otago Publications database for the calendar year 2015 as at 18 May 2016. This figure excludes 10 advance online publications which will have a later print publication date. This compares to a finalised total of 95 outputs reported in June 2015 for the calendar year 2014.

- The 2015 list includes 1 authored book, 5 book chapters, 28 peer reviewed research articles, 1 professional article and 51 conference full papers, abstracts or presentations.
- Staff have also been involved in research on undergraduate and postgraduate teaching programs and innovation in teaching. Several staff have also acquired intercampus and external funding to support the innovative development of research based teaching and learning resources and methodologies.

Higher Degrees

Enrolled or in progress:

- 11 thesis students in total were enrolled with the department during 2015: MPHC (1), MHealSc (3), MGP (1), MPHC (1), PhD (6). 5 of these students graduated in 2015.
- 4 department staff were also involved as second supervisors for 3 higher degrees projects external to the department.

Awarded in 2015:

- Fiona Doolan-Noble, PhD. Obesity Management in general practice with a specific focus on NZ men of higher weight. Supervised by Tom Love, Sue Pullon, Tony Dowell.
<http://hdl.handle.net/10523/5999>
- Robyn Taylor, MPHC. Standing order use in primary care. Supervised by Eileen McKinlay, Caroline Morris. <http://hdl.handle.net/10523/5915>
- Nancy Todd, MHealSc by papers. An audit of ethnicity data collection in a NZ PHO. Research project supervised by Eileen McKinlay.
- Maria Te Huia, MHealSc by papers. Motivations and barriers to nurses using complementary and alternative medicine therapies. Research project supervised by Monika Clark-Grill.
- Angela Johnson, MHealSc by papers. Applicability of change management characteristics to new service models in PHC. Research project supervised by Lynn McBain.

Visitors to Department

- Professor Bob McKinlay – Keele University, UK
- Dr Lee Thompson, UoC (ARCH Group)
- Prof Stacie Geller (WHRC)

Nga mihi,

Dr Maria Stubbe, Research Director

May, 2016

2015 PHCGP RESEARCH OUTPUTS

(please note corrections on page 16)

Authored Book – Research

Holmes, J., & **Stubbe, M.** (2015). *Power and politeness in the workplace: A sociolinguistic analysis of talk at work* (2nd ed.). Abingdon, UK: Routledge, 200p.

Chapter in Book – Research

Gray, B. (2015). A case study of complexity and health policy: Planning for a pandemic. In R. Geyer & P. Cairney (Eds.), *Handbook on complexity and public policy*. (pp. 384-398). Cheltenham, UK: Edward Elgar.

[doi: 10.4337/9781782549529.00031](https://doi.org/10.4337/9781782549529.00031)

Pullon, S., & Herrmann, M. (2015). Primärversorgung in Neuseeland: Lehren aus einem kleinen Land. In *Jahrbuch für Kritische Medizin und Gesundheitswissenschaften [Yearbook of critical medicine and health sciences]: Primary health care*. (pp. 104-121). Hamburg, Germany: Argument.

Pullon, S., **McKinlay, E.**, Gallagher, P., **Gray, L.**, Skinner, M., & **McHugh, P.** (2015). Interprofessional education in a rural setting: A quick-start innovation for final-year health professional students [Case study]. In K. Bin Abdulrahman, S. Mennin, R. Harden, & C. Kennedy (Eds.), *Routledge international handbook of medical education*. (pp. 197). Abingdon, UK: Routledge.

Chapter in Book – Other

Carroll, I. D., & **Visser, J.** (2015). Vaccinations in pregnancy. In M. Shaw & C. Wong (Eds.), *The practical compendium of immunisations for international travel*. (pp. 125-135). Cham, Switzerland: Adis.

[doi: 10.1007/978-3-319-15922-5](https://doi.org/10.1007/978-3-319-15922-5)

Shaw, M., & **Visser, J.** (2015). Vaccine considerations for children and breastfeeding women. In M. Shaw & C. Wong (Eds.), *The practical compendium of immunisations for international travel*. (pp. 137-146). Cham, Switzerland: Adis. [doi: 10.1007/978-3-319-15922-5](https://doi.org/10.1007/978-3-319-15922-5)

Journal - Research Article

Barker-Collo, S., Jones, A., Jones, K., Theadom, A., **Dowell, A.**, Starkey, N., ... on behalf of the BIONIC Research Group. (2015). Prevalence, natural course and predictors of depression 1 year following traumatic brain injury from a population-based study in New Zealand. *Brain Injury*, 29(7-8), 859-865.

[doi: 10.3109/02699052.2015.1004759](https://doi.org/10.3109/02699052.2015.1004759)

Barthow, C., Jones, B., **Macdonald, L.**, Vernall, S., Gallagher, P., & **McKinlay, E.** (2015). Researching in the community: The value and contribution of nurses to community based or primary health care research. *Primary Health Care Research & Development*, 16, 224-234. [doi: 10.1017/s1463423614000097](https://doi.org/10.1017/s1463423614000097)

Collings, S., **Mathieson, F.**, **Dowell, A.**, Stanley, J., Hatcher, S., Goodyear-Smith, F., Lane, B., Munsterman, A. (2015). Clinical effectiveness of an ultra-brief intervention for common mental health syndromes in primary care: Study protocol for a cluster randomized controlled trial. *Trials*, 16(1), 260. [doi: 10.1186/s13063-015-0778-y](https://doi.org/10.1186/s13063-015-0778-y)

Darlow, B., Coleman, K., **McKinlay, E.,** Donovan, S., **Beckingsale, L., Gray, B.,** Nesar, H., Perry, M., **Stanley, J., Pullon, S.** (2015). The positive impact of interprofessional education: A controlled trial to evaluate a programme for health professional students. *BMC Medical Education*, 15, 98. [doi: 10.1186/s12909-015-0385-3](https://doi.org/10.1186/s12909-015-0385-3)

Darlow, B., Dean, S., Perry, M., **Mathieson, F.,** Baxter, G. D., & **Dowell, A.** (2015). Easy to harm, hard to heal: Patient views about the back. *Spine*, 40(11), 842-850. [doi: 10.1097/brs.0000000000000901](https://doi.org/10.1097/brs.0000000000000901)

Dew, K., **Stubbe, M.,** Signal, L., Stairmand, J., Dennett, E., Koea, J., Simpson, A., Sarfati, D., ... Holdaway, M. (2015). Cancer care decision making in multidisciplinary meetings. *Qualitative Health Research*, 25(3), 397-407. [doi: 10.1177/1049732314553010](https://doi.org/10.1177/1049732314553010)

Gray, B. (2015). Culturally competent bioethics: Analysis of a case study. *Journal of Bioethical Inquiry*, 12(2), 361-367. [doi: 10.1007/s11673-015-9636-6](https://doi.org/10.1007/s11673-015-9636-6)

Huang, Q. S., **Turner, N.,** Baker, M. G., Williamson, D. A., Wong, C., Webby, R., ... on behalf of the SHIVERS investigation team. (2015). Southern Hemisphere Influenza and Vaccine Effectiveness Research and Surveillance. *Influenza & Other Respiratory Viruses*, 9(4), 179-190. [doi: 10.1111/irv.12315](https://doi.org/10.1111/irv.12315)

Lagolago, W., Theadom, A., Fairbairn-Dunlop, P., Ameratunga, S., **Dowell, A.,** McPherson, K. M., ... on behalf of the BIONIC Research Group. (2015). Traumatic brain injury within Pacific people of New Zealand. *New Zealand Medical Journal*, 128(1412). Retrieved from <https://www.nzma.org.nz/journal>

MacRae, J., **Darlow, B., McBain, L.,** Jones, O., **Stubbe, M., Turner, N., & Dowell, A.** (2015). Accessing primary care Big Data: The development of a software algorithm to explore the rich content of consultation records. *BMJ Open*, 5(8), e008160. [doi: 10.1136/bmjopen-2015-008160](https://doi.org/10.1136/bmjopen-2015-008160)

MacRae, J., Love, T., Baker, M. G., **Dowell, A.,** Carnachan, M., **Stubbe, M., & McBain, L.** (2015). Identifying influenza-like illness presentation from unstructured general practice clinical narrative using a text classifier rule-based expert system versus a clinical expert. *BMC Medical Informatics & Decision Making*, 15, 78. [doi: 10.1186/s12911-015-0201-3](https://doi.org/10.1186/s12911-015-0201-3)

Mathieson, F., Jordan, J., Carter, J. D., & **Stubbe, M.** (2015). The metaphoric dance: Co-construction of metaphor in cognitive behaviour therapy. *Cognitive Behaviour Therapist*, 8, e24. [doi: 10.1017/S1754470X15000628](https://doi.org/10.1017/S1754470X15000628)

McBain, L., Donnelly, S., **Hilder, J.,** O'Leary, C., & **McKinlay, E.** (2015). "I wanted to communicate my feelings freely": A descriptive study of creative responses to enhance reflection in palliative medicine education. *BMC Medical Education*, 15, 180. [doi: 10.1186/s12909-015-0465-4](https://doi.org/10.1186/s12909-015-0465-4)

McDonald, J., McKinlay, E., Keeling, S., & Levack, W. (2015). How family carers engage with technical health procedures in the home: A grounded theory study. *BMJ Open*, 5(7), e007761. [doi: 10.1136/bmjopen-2015-007761](https://doi.org/10.1136/bmjopen-2015-007761)

McKinlay, E. M., Gallagher, P. A., **Gray, L. A., Wilson, C. L., & Pullon, S. R. H.** (2015). Sixteen months "from square one": The process of forming an interprofessional clinical teaching team. *Journal of Research in Interprofessional Practice & Education*, 5(2). Retrieved from <http://www.jripe.org/index.php/journal/article/view/191>

McKinlay, E., Graham, S., & **Horrill, P.** (2015). Culturally and linguistically diverse patients' views of multimorbidity and general practice care. *Journal of Primary Health Care*, 7(3), 228-235.

Morgan, S., Pullon, S., & McKinlay, E. (2015). Observation of interprofessional collaborative practice in primary care teams: An integrative literature review. *International Journal of Nursing Studies*, 52, 1217-1230.

[doi: 10.1016/j.ijnurstu.2015.03.008](https://doi.org/10.1016/j.ijnurstu.2015.03.008)

Moss, C., Nelson, K., Connor, M., Wensley, C., **McKinlay, E.**, & Boulton, A. (2015). Patient experience in the emergency department: Inconsistencies in the ethic and duty of care. *Journal of Clinical Nursing*, 24(1-2), 275-288. [doi: 10.1111/jocn.12612](https://doi.org/10.1111/jocn.12612)

Pullon, S., McKinlay, B., Yager, J., Duncan, B., McHugh, P., & Dowell, A. (2015). Developing indicators of service integration for child health: Perceptions of service providers and families of young children in a region of high need in New Zealand. *Journal of Child Health Care*, 19(1), 18-29. [doi: 10.1177/1367493513496673](https://doi.org/10.1177/1367493513496673)

Rose, S. B., Stanley, J., & Lawton, B. A. (2015). Time to second abortion or continued pregnancy following a first abortion: A retrospective cohort study. *Human Reproduction*, 30(1), 214-221. [doi: 10.1093/humrep/deu283](https://doi.org/10.1093/humrep/deu283)

Shaw, M. T. M., **Visser, J.**, & Edwards, C. (2015). Rabies postexposure consultations in New Zealand from 1998 to 2012. *Journal of Travel Medicine*, 22(1), 31-38. [doi: 10.1111/jtm.12167](https://doi.org/10.1111/jtm.12167)

Theadom, A., Cropley, M., Parmar, P., Barker-Collo, S., Starkey, N., Jones, K., ... on behalf of the BIONIC Research Group, including **Dowell, T.** (2015). Sleep difficulties one year following mild traumatic brain injury in a population-based study. *Sleep Medicine*, 16(8), 926-932. [doi: 10.1016/j.sleep.2015.04.013](https://doi.org/10.1016/j.sleep.2015.04.013)

Weatherall, A., & **Stubbe, M.** (2015). Emotions in action: Telephone-mediated dispute resolution. *British Journal of Social Psychology*, 54(2), 273-290. [doi: 10.1111/bjso.12082](https://doi.org/10.1111/bjso.12082)

Woodbridge, M. R., **Dowell, A. C.**, & **Gray, L.** (2015). 'He said he had been out doing the traffic': General practitioner perceptions of sexually transmitted infection and HIV testing strategies for men. *Journal of Primary Health Care*, 7(1), 50-56.

Journal - Research Other

Ballantyne, A. (2015). In favor of a no-consent/opt-out model of research with clinical samples [Open peer commentary]. *American Journal of Bioethics*, 15(9), 65-67. doi: 0.1080/15265161.2015.1062171

Gallagher, P., **Pullon, S.**, Skinner, M., **McHugh, P., McKinlay, E., & Gray, L.** (2015). An interprofessional community education project as a socially accountable assessment [Short report]. *Journal of Interprofessional Care*, 29(5), 509-511. [doi: 10.3109/13561820.2015.1004040](https://doi.org/10.3109/13561820.2015.1004040)

Gray, B. (2015). Lead maternity care needs to be embedded in general practice: Yes [Back to back]. *Journal of Primary Health Care*, 7(1), 71-73.

McKinlay, E., McBain, L., & Pullon, S. (2015). Developing film resources for interprofessional education: Effective partnerships. *Medical Education*, 49(11), 1155-1156. [doi: 10.1111/medu.12837](https://doi.org/10.1111/medu.12837)

Journal - Professional & Other Non-Research Articles

Pullon, S. (2015). Interprofessional education . . . What is it and why do it? *NZMJ Digest*, 51, 6-8.

Conference Contribution - Published proceedings: Full paper

Jackson, A.-M., Hakopa, H., Jackson, S., Phillips, C., Karaka, D., **Stevenson, K.**, Pohatu, L., McDowell, G., ... Mita, N., Pocklington, H., Barsdell, H. (2015). Te Koronga: Pathways of Māori postgraduate research excellence: Part 1. *Proceedings of the International Indigenous Development Research Conference.*, (pp. 93-100). Auckland, New Zealand: Ngā Pae o te Māramatanga.

Conference Contribution - Published proceedings: Abstract

Campbell, C., Braund, R., & **Morris, C.** (2015). Medicines information provision by pharmacists in New Zealand public hospitals: A national overview. *Proceedings of the New Zealand Hospital Pharmacists' Association (NZHPA) Annual Conference.*, (pp. 47). Retrieved from <http://www.nzhpa.org.nz/conferences--meetings.aspx>

Campbell, C., Braund, R., & **Morris, C.** (2015). Optimal delivery of information regarding medicines at the point of care. In J. Young (Ed.), *Proceedings of the Annual General Practice and Primary Care Research Weekend*, (pp. 11-12). Dunedin, New Zealand: Department of General Practice and Rural Health, University of Otago.

Coleman, K., **Darlow, B., McKinlay, E., Beckingsale, L.**, Donovan, S., **Stanley, J.**, Gallagher, P., **Gray, B.**, Nesar, H., **Pullon, S.**, Perry, M. (2015). "We're all here for the patient at the end of the day": Exploring the process of interprofessional learning. *Proceedings of the Australian & New Zealand Association for Health Professional Educators (ANZAHPE) and the Asian Medical Education Association (AMEA) Joint Conference.* Adelaide, Australia: ANZAHPE.

Coleman, K., **Darlow, B., McKinlay, E., Beckingsale, L.**, Donovan, S., **Stanley, J.**, Gallagher, P., **Gray, B.**, Nesar, H., **Pullon, S.**, Perry, M. (2015). Changes in student attitudes following a pre-registration interprofessional learning experience. *Proceedings of the Australian & New Zealand Association for Health Professional Educators (ANZAHPE) and the Asian Medical Education Association (AMEA) Joint Conference.* Adelaide, Australia: ANZAHPE.

Dabrowski, P., **Moriarty, H., & Perera, R.** (2015). Exploring the integrated pathway of care at Te Omanga (IMPACT): An action research project. *Proceedings of the Royal New Zealand College of General Practitioners (RNZCGP) Conference for General Practice: Imagine: Inspire: Innovate.* Retrieved from <http://www.generalpractice.org.nz/gp15>

Darlow, B., Dean, S., Perry, M., Mathieson, F., **Stanley, J.**, Melloh, M., Baxter, G. D., **Dowell, A.** (2015). Low back pain: Exploring underlying beliefs and how these have been influenced. *Physiotherapy*, 101(Suppl. 1), (pp. e295-e296). [doi: 10.1016/j.physio.2015.03.489](https://doi.org/10.1016/j.physio.2015.03.489)

Darlow, B., McKinlay, E., Gallagher, P., **Wilson, C., Gray, L., & Pullon, S.** (2015). Following our students as they head into the big wide (collaborative) world: The Longitudinal Interprofessional Study. In J. Young (Ed.), *Proceedings of the Annual General Practice and Primary Care Research Weekend*, (pp. 15-16). Dunedin, New Zealand: Department of General Practice and Rural Health, University of Otago.

Darlow, B., Perry, M., Coleman, K., **McKinlay, E.**, Donovan, S., **Beckingsale, L.**, Gallagher, P., **Gray, B.**, Nesar, H., **Stanley, J., Pullon, S.** (2015). The positive impact of interprofessional education: A controlled trial to evaluate a programme for health professional students. *Physiotherapy*, 101(Suppl. 1), (pp. e294-e295). [doi: 10.1016/j.physio.2015.03.488](https://doi.org/10.1016/j.physio.2015.03.488)

Doolan-Noble, F., Love, T., **Dowell, T., & Pullon, S.** (2015). Stories from big New Zealand men. *Proceedings of the Australian and New Zealand Obesity Society (ANZOS) Annual Scientific Meeting.*, 19. Retrieved from <http://www.anzos2015.org/>

- Doolan Noble, F., Love, T., Dowell, T., & Pullon, S.** (2015). Attitudes and weight management practices of primary care professionals towards large New Zealand men. *Proceedings of the Australian and New Zealand Obesity Society (ANZOS) Annual Scientific Meeting.*, 105. Retrieved from <http://www.anzos2015.org/>
- Doolan-Noble, F., Love, T., Dowell, T., & Pullon, S.** (2015). "You don't wanna be the big fella": Narratives from New Zealand men. *Canadian Journal of Diabetes*, 39(Suppl. 1), (pp. S61). doi: [10.1016/j.cjcd.2015.01.229](https://doi.org/10.1016/j.cjcd.2015.01.229)
- Doolan-Noble, F., Love, T., Dowell, T., & Pullon, S.** (2015). Attitudes and weight management practices of primary care professionals towards large New Zealand men. *Canadian Journal of Diabetes*, 39(Suppl. 1), (pp. S54). doi: [10.1016/j.cjcd.2015.01.206](https://doi.org/10.1016/j.cjcd.2015.01.206)
- Doolan-Noble, F., Love, T., Dowell, T., & Pullon, S.** (2015). You don't want to be the big fella: Experiences of large Kiwi men. *Proceedings of the Royal New Zealand College of General Practitioners (RNZCGP) Conference for General Practice: Imagine: Inspire: Innovate.* Retrieved from <http://www.generalpractice.org.nz/gp15>
- Doolan-Noble, F., Love, T., Dowell, T., & Pullon, S.** (2015). Weight management in primary care: Similarities and differences in the views of general practitioners, practice nurses and large New Zealand men. In J. Young (Ed.), *Proceedings of the Annual General Practice and Primary Care Research Weekend*, (pp. 13-14). Dunedin, New Zealand: Department of General Practice and Rural Health, University of Otago.
- Dowell, T.** (2015). All that wheezes is confusing - particularly between the ages of 1 and 2. *Proceedings of the Royal New Zealand College of General Practitioners (RNZCGP) Conference for General Practice: Imagine: Inspire: Innovate.* Retrieved from <http://www.generalpractice.org.nz/gp15>
- Gray, B.** (2015). Managing the consultation when you and the patient disagree, the shadow of bioethics. In J. Young (Ed.), *Proceedings of the Annual General Practice and Primary Care Research Weekend*, (pp. 10). Dunedin, New Zealand: Department of General Practice and Rural Health, University of Otago.
- Gray, L., McKibben, M.-A., McKinlay, E., & Reid, K.** (2015). Public health pathways and routes to fellowship: Following the yellow brick road because, because, because? *Proceedings of the Public Health Association Conference.*, (pp. 28). Retrieved from <https://www.ivvy.com/event/PHA15/>
- Lloyd, T., **Pullon, S., & Stubbe, M.** (2015). Histories of chest pain. In J. Young (Ed.), *Proceedings of the Annual General Practice and Primary Care Research Weekend*, (pp. 9). Dunedin, New Zealand: Department of General Practice and Rural Health, University of Otago.
- Mangin, D., Dowson, C., Mulder, R., Wells, E., Toop, L., **Dowell, T., & Arroll, B.** (2015). The effectiveness of maintenance SSRI treatment in primary care depression to prevent recurrence: Multicentre double blinded placebo controlled RCT. *Proceedings of the North American Primary Care Research Group (NAPCRG) 43rd Annual Meeting.* Retrieved from <http://www.napcrg.org/Conferences>
- McHugh, P.** (2015). Setting up the Rural Hospital Medicine registrar training in your rural hospital facility. *Proceedings of the New Zealand Rural General Practice Network (NZRGPN) and the Rural Health Alliance Aotearoa New Zealand (RHANZ) National Rural Health Conference: Close to Home.* Retrieved from <http://www.conference.co.nz/nrhc15/programme#presentations>
- Moran, S., & Kennedy, J. (2015). Working with refugees: A model of primary health care. *Proceedings of the Refugee Research Symposium: Refugees and research for healthy outcomes.* Retrieved from <https://niphmhr.aut.ac.nz/research-centres/centre-for-migrant-and-refugee-research/events>

Nelson, A., Berry, R., **Moriarty, H.**, Scifleet, K., Laws, D., Petherick, G., Flinn, J., ... Wood, R. (2015). OST services and the importance of friends, family and whānau. *Proceedings of the 20th Cutting Edge Conference*. Retrieved from <http://www.cmnzl.co.nz/cutting-edge-2015/welcome/>

Newton-Howes, G., Levack, W., **Tester, R.**, Gilmour, M., & McBride, S. (2015). Non-physiological mechanisms influencing disulfiram treatment for alcohol use disorder: A grounded theory study. *Proceedings of the 6th Addiction Research Symposium*. Retrieved from <http://www.matuaraki.org.nz/resources/presentations-from-the-6th-addiction-research-symposium/643>

Perry, M., **Darlow, B.**, Donovan, S., **McKinlay, E.**, Beckingsale, L., **Gray, B.**, **Pullon, S.**, Gallagher, P., Nesar, H., Coleman, K. (2015). "We're here for the patient at the end of the day": Perceptions of an IPE programme in long-term conditions management. *Physiotherapy*, 101(Suppl. 1), (pp. e1195-e1196).
[doi: 10.1016/j.physio.2015.03.2121](https://doi.org/10.1016/j.physio.2015.03.2121)

Pullon, S., **Morgan, S.**, **McKinlay, E.**, **Macdonald, L.**, & **Gray, B.** (2015). Observation of collaboration in primary care practice. *Proceedings of the Primary Health Care Research Conference.*, (pp. 88). Retrieved from <http://www.phcris.org.au/conference/2015/index.php>

Pullon, S., **Morgan, S.**, **McKinlay, E.**, **Macdonald, L.**, & **Gray, B.** (2015). Observation of interprofessional collaboration in NZ general practices. In J. Young (Ed.), *Proceedings of the Annual General Practice and Primary Care Research Weekend*, (pp. 16-17). Dunedin, New Zealand: Department of General Practice and Rural Health, University of Otago.

Roberts, K. (2015). 'Let's talk': Identifying strategies for cross cultural communication between acupuncturists and primary care for the management of mental health. In J. Young (Ed.), *Proceedings of the Annual General Practice and Primary Care Research Weekend*, (pp. 22-23). Dunedin, New Zealand: Department of General Practice and Rural Health, University of Otago.

Stubbe, M., **Dowell, T.**, **Macdonald, L.**, Kenealy, T., Sheridan, N., Dew, K., **Tester, R.**, Docherty, B., Hall, D.-A., **Gray, L.**, Vernall, S. (2015). 'I understand what it is but I didn't expect to get it': Justifications in the accounts of newly diagnosed type 2 diabetes patients. In J. Young (Ed.), *Proceedings of the Annual General Practice and Primary Care Research Weekend*, (pp. 8-9). Dunedin, New Zealand: Department of General Practice and Rural Health, University of Otago.

Tester, R., **Moriarty, H.**, & **Stubbe, M.** (2015). A comparison of service user and service provider perspectives on addiction recovery. *Proceedings of the 6th Addiction Research Symposium*. Retrieved from <http://www.matuaraki.org.nz/resources/presentations-from-the-6th-addiction-research-symposium/643>

Visser, J. (2015). Young adults: Gap year. *Proceedings of the 14th Conference of the International Society of Travel Medicine (CISTM).*, (pp. 5). Retrieved from <http://www.istm.org/cistm14>

Conference Contribution - Poster Presentation (not in published proceedings)

Mathieson, F., Jordan, J., & Stubbe, M. (2015, July). *Exploring metaphor use in CBT: Identification method and co-construction of shared metaphors*. Poster session presented at the British Association for Behavioural and Cognitive Psychotherapies (BABCP) 43rd Annual Conference, Warwick, UK.

Conference Contribution - Verbal presentation and other Conference outputs

Ballantyne, A. (2015, July). *Pregnant women and research*. Verbal presentation at the Perinatal Society of New Zealand (PSNZ) 35th Annual Scientific Meeting, Dunedin, New Zealand.

Ballantyne, A. (2015, June). *Conducting research with clinical data without explicit consent*. Verbal presentation at the Australasian Association of Bioethics & Health Law (AABHL) Conference: Working with Diversity, Wellington, New Zealand.

Beckingsale, L., McKinlay, E., Coleman, K., Darlow, B., Donovan, S., Gray, B., Nesar, H., Perry, M., Pullon, S., Wilson, C. (2015, November). *From acorns to oaks: Key elements needed to grow an interprofessional education programme: Wellington Interprofessional Teaching Initiative*. Verbal presentation at the Interprofessional Showcase: Evidence and Application, Auckland, New Zealand.

Dowell, T. (2015, March). *Create your own pathway: Create your own new vision: Perspectives from a multiple consumer*. Verbal presentation at the Guidelines and Pathways Symposium, Wellington, New Zealand.

Dowell, T., & Toop, L. (2015, July-August). *"It's a wrap"*. Panel discussion at the Royal New Zealand College of General Practitioners (RNZCGP) Conference for General Practice: Imagine: Inspire: Innovate, Hamilton, New Zealand.

Gray, B. (2015, June). *Conducting a consultation with a patient that you disagree with: What is right?* Verbal presentation at the Australasian Association of Bioethics & Health Law (AABHL) Conference: Working with Diversity, Wellington, New Zealand.

Lawton, B. (2015, July). *Severe acute maternal morbidity: Auditing preventability*. Keynote speaker at the Perinatal Society of New Zealand (PSNZ) 35th Annual Scientific Meeting, Dunedin, New Zealand.

McKinlay, E. (2015, October). *How do I develop an effective IP teaching team across different health professional programmes?* Verbal presentation at the Interprofessional Education in Practice Workshop, Dunedin, New Zealand. Neas, K., Felix, E., **Gray, B.**, Culling, V., & Goodyear, C. (2015, June). *Voice of the patient*. Panel discussion at the Clinical Ethics Advisory Group (CEAG) National Meeting, Wellington, New Zealand.

Moriarty, H. (2015, July-August). *Exploring health literacy and health navigation: A proof-of-concept study*. Verbal presentation at the Royal New Zealand College of General Practitioners (RNZCGP) Conference for General Practice: Imagine: Inspire: Innovate, Hamilton, New Zealand.

Moriarty, H. (2015, July-August). *Quality assurance and quality improvement of chronic non-malignant pain management: Indicators as a primary care quality tool*. Verbal presentation at the Royal New Zealand College of General Practitioners (RNZCGP) Conference for General Practice: Imagine: Inspire: Innovate, Hamilton, New Zealand.

Neas, K., Felix, E., **Gray, B.**, Culling, V., & Goodyear, C. (2015, June). *Voice of the patient*. Panel discussion at the Clinical Ethics Advisory Group (CEAG) National Meeting, Wellington, New Zealand.

Pelham, K., Skinner, M., **McHugh, P., & Pullon, S.** (2015, November). *Interprofessional education in a rural community: The perspectives of community workplace providers*. Verbal presentation at the Interprofessional Showcase: Evidence and Application, Auckland, New Zealand.

Pullon, S. (2015, April). *How we work together to shape health workforce*. Verbal presentation at the Health Workforce Research and Policy Symposium: Questions, Conundrums and the Road Ahead, Wellington, New Zealand.

Pullon, S., & Wilson, C. (2015, October). *Setting up a new IPE learning component: A case study in interdisciplinary governance and operations*. Verbal presentation at the Interprofessional Education in Practice Workshop, Dunedin, New Zealand.

Pullon, S., & Wilson, C. (2015, October). *What is the Divisional IPE Governance Group (DIPEGG), and what is the Division's IPE strategic plan?* Verbal presentation at the Interprofessional Education in Practice Workshop, Dunedin, New Zealand.

Skinner, M., O'Brien, M., & **Pullon, S.** (2015, November). *Breaking in new ground to develop an interprofessional education strategy for Health Sciences at the University of Otago*. Verbal presentation at the Interprofessional Showcase: Evidence and Application, Auckland, New Zealand.

Stein, S., **McKinlay, E.**, Grainger, R., Field, P., & Webster, E. (2015, April). *Interprofessionalism: Engaging students in tensions of person, profession and organisation*. Verbal presentation at the 5th International Practice-Based Education (PBE) Summit, Sydney, Australia.

Visser, J. (2015, March). *What's new in travel medicine*. Verbal presentation at the Goodfellow Symposium: Skills for Next Monday, Auckland, New Zealand.

Walters, L., Crampton, P., Nixon, G., Goodyear-Smith, F., Benny, G., Malloy, T., ... Stokes, T., Sijnja, B., **Pullon, S.**, ... **McHugh, P.**, Smith, M., Reid, J., ... Gowland, S. (2015, March). *Rural Clinical Training Forum: Connecting the Pipeline [Pre-conference workshop]*. Workshop presentation at the New Zealand Rural General Practice Network (NZRGPN) and the Rural Health Alliance Aotearoa New Zealand (RHĀNZ) National Rural Health Conference: Close to Home, Rotorua, New Zealand.

Total publications (2015) for Primary Healthcare and General Practice, University of Otago, Wellington, Health Sciences Division: 86

Journal - Research Article

Barker-Collo, S., Jones, K., Theadom, A., Starkey, N., **Dowell, A.**, McPherson, K., ... on behalf of the BIONIC Research Group. (2015). Neuropsychological outcome and its correlates in the first year after adult mild traumatic brain injury: A population-based New Zealand study. *Brain Injury*.

[doi: 10.3109/02699052.2015.1075143](https://doi.org/10.3109/02699052.2015.1075143)

Coombs, M., Fulbrook, P., Donovan, S., **Tester, R.**, & deVries, K. (2015). Certainty and uncertainty about end of life care nursing practices in New Zealand Intensive Care Units: A mixed methods study. *Australian Critical Care*. Advance online publication. [doi: 10.1016/j.aucc.2015.03.002](https://doi.org/10.1016/j.aucc.2015.03.002)

Doolan-Noble, F., Gauld, R., & Waters, D. L. (2015). Are nurses more likely to report providing care plans for chronic disease patients than doctors? Findings from a New Zealand study. *Chronic Illness*.

[doi: 10.1177/1742395314567479](https://doi.org/10.1177/1742395314567479)

Gamble, E., Parry-Strong, A., Coppell, K. J., **McBain, L.**, Bingham, L. J., Dutton, L., ... Krebs, J. D. (2015). Development of a structured diabetes self-management education program specific to the cultural and ethnic population of New Zealand. *Nutrition & Metabolism*. [doi: 10.1111/1747-0080.12148](https://doi.org/10.1111/1747-0080.12148)

Lawton, B., Filoche, S., Geller, S. E., Garrett, S., & Stanley, J. (2015). A retrospective cohort study of the association between midwifery experience and perinatal mortality. *International Journal of Gynecology & Obstetrics*. [doi: 10.1016/j.ijgo.2015.07.003](https://doi.org/10.1016/j.ijgo.2015.07.003)

MacDonald, E. J., Lawton, B., & Geller, S. E. (2015). Contraception post severe maternal morbidity: A retrospective audit. *Contraception*. [doi: 10.1016/j.contraception.2015.05.012](https://doi.org/10.1016/j.contraception.2015.05.012)

Mathieson, F., Jordan, J., Carter, J. D., & **Stubbe, M.** (2015). Nailing down metaphors in CBT: Definition, identification and frequency. *Behavioural & Cognitive Psychotherapy*. [doi: 10.1017/S1352465815000156](https://doi.org/10.1017/S1352465815000156)

Rose, S. B., & Garrett, S. M. (2015). Post-abortion initiation of long-acting reversible contraception in New Zealand. *Journal of Family Planning & Reproductive Health Care*. [doi: 10.1136/jfprhc-2014-101031](https://doi.org/10.1136/jfprhc-2014-101031)

Rose, S. B., & Garrett, S. M. (2015). Postabortion initiation of long-acting reversible contraception by adolescent and nulliparous women in New Zealand. *Journal of Adolescent Health*. [doi: 10.1016/j.jadohealth.2015.09.025](https://doi.org/10.1016/j.jadohealth.2015.09.025)

Rose, S. B., Garrett, S. M., & Stanley, J. (2015). Immediate postabortion initiation of levonorgestrel implants reduces the incidence of births and abortions at 2-years and beyond. *Contraception*.

[doi: 10.1016/j.contraception.2015.03.012](https://doi.org/10.1016/j.contraception.2015.03.012)

CORRECTIONS

Research Outputs omitted from 2014 Research Report

(to be added to the 2014 output total)

Journal - Research Article

Ballantyne, A. (2014). Exploitation in cross-border reproductive care. *International Journal of Feminist Approaches to Bioethics*, 7(2), 75-99.

Conference Contribution - Published proceedings: Abstract

Visser, J. (2014). Preparing and managing the expatriate/missionary. *Proceedings of the 10th Asia Pacific Travel Health Conference (APTHC)*, (pp. 116). Retrieved from <http://apthc2014.org/>

Conference Contribution - Verbal presentation and other Conference outputs

Bester, R., & **Visser, J.** (2014, August). *Ho Chi Min update*. Verbal presentation at the New Zealand Society of Travel Medicine (NZSTM) Conference, Rotorua, New Zealand.

Darlow, B. (2014, January). *Attitudes and beliefs about low back pain: Influence of clinicians on their patients*. Verbal presentation at the London Pain Forum Winter Symposium "Advances in Pain Medicine", Tignes, France.

Tester, R., Moriarty, H., & Stubbe, M. (2014, December). *A co-produced approach to understanding service provider perspectives of addiction recovery*. Verbal presentation at the Service User Academia Symposium, Wellington, New Zealand.

Visser, J. (2014, August). *Medical elective students*. Verbal presentation at the New Zealand Society of Travel Medicine (NZSTM) Conference, Rotorua, New Zealand.

Commissioned Report for External Body

Perera, R., **Moriarty, H.**, Gwynne-Robson, I., & Dabrowski, P. (2014). *Integrated pathway of care at Te Omanga (ImPaCT): An action research project*. Commissioned by Board of Trustees of Te Omanga Hospice. Wellington, New Zealand: School of Medicine and Health Sciences, University of Otago. 88p.

Current Research

Funded Projects

Principal Investigator	Co-Investigators	Project Name	Funder	Start Date	End Date	Project Amount
PHCGP PROJECTS						
Angela Ballantyne	J. Crane, S. Pullon, L. Macdonald	Research during pregnancy: what do women think about participation?	Internal - UORG	Jul-14	Sep-15	21,229
Ben Gray	M. Stubbe, J. Hilder	Integrating Health Navigation and Interpreter Services for Patients with Limited English Proficiency (NEW)	Internal - UORG	Jan-15	Mar-16	10,000
Bev Lawton	B. Robson, T. Dow ell, J. Stanley, J. Mann, J. MacDonald, C. Makow haremahihi, S. Rose, S. Garrett, S. Brown, T. Ngata	Diabetes: The impact of maternal care disparities on Maori mothers and infants	HRC	Aug-12	Jul-15	1,192,365
Bev Lawton	S. Geller, J. Stanley, J. MacDonald, S. Garrett, S. Brown, F.Cram, S. Snively	Addressing the burden and preventability of severe acute maternal morbidity - a national review	Ministry of Health	Aug-13	Jul-16	1,199,906
Bev Lawton	S. Geller, J. Stanley, J. MacDonald, S. Garrett, S. Brown, F.Cram, S. Snively	Addressing avoidable harm suffered by Maori Babies (SAMM Kids)	HRC	Sep-14	Aug-17	1,199,999
Caroline Morris	T. Dow ell, L. McBain, J. MacDonald	Reducing the risk associated with the use of NSAIDs (NEW)	Internal - UORG	Jan-15	Mar-16	24,403
Helen Moriarty	M. Stubbe, R. Tester	Demystifying addiction recovery: understanding service user and provider perspectives	Internal - UORG	Jan-14	Mar-15	24,426
Helen Moriarty	B. Lim	Having cancer in a foreign country: Increasing health literacy in refugees and migrants with cancer (NEW)	Internal - UORG	Jan-15	Mar-16	10,000
Jenny Visser	A. Narayan	Illness & Injury in long-term aid workers to developing countries	International Society of Travel Medicine	Jun-13	May-15	(USD 4,547) 5,113
Lesley Gray	T. Dow ell, M. Stubbe, L. Macdonald, R. Tester	Let's Talk: assessing the impact of a simple primary care intervention on weight management (NEW)	Internal - UORG	Jan-15	Mar-16	28,803
Maria Stubbe	T. Dow ell, L. Macdonald, R. Tester	Understanding the lived experience of people with diabetes in New Zealand: a narrative inquiry	Internal - UORG	Jan-14	Mar-15	21,750
Sally Rose	N/A	Same-day LARC insertion at abortion clinics: are there regional differences in access or uptake?	ISTAR Ltd.	Jun-14	Apr-15	9,765
Sally Rose	S. Pullon, J. Stanley, S. Garrett	Is the rising popularity of long-acting contraception impacting on Chlamydia rates?	WMRF	Jun-14	May-15	5,900

Funded Projects ctd.

	Principal Investigator	Co-Investigators	Project Name	Funder	Start Date	End Date	Project Amount
PHCGP PROJECTS							
	Sally Rose	S. Pullon, J. Stanley, S. Garrett	Is the rising popularity of long-acting contraception impacting on Chlamydia rates? (NEW)	Internal - UORG	Jan-15	Mar-16	38,951
	Sally Rose	N/A	Acceptability and feasibility of a collaborative approach to improving partner notification (NEW)	NZ Lottery Grants	Sep-15	Aug-17	60,000
	Sally Rose	S. Garrett	Facilitating partner notification and rescreening for STIs in primary care (NEW)	HRC	Oct-15	Sep-16	145,326
	Sara Filoche	B. Law ton, J. Stanley, S. Brown	More than the baby blues? Exploring maternal mental health of young Maori women	Internal - UORG	Jan-14	Mar-15	22,916
	Sara Filoche	N/A	Antibiotic resistance and childhood hospital admissions: A concern for urinary tract infections (NEW)	WMRF	Aug-15	Jul-17	92,825
	Sue Pullon	E. McKinlay, B. Gray, S. Morgan, L. Macdonald, S. Donovan, R. Tester	Collaborative care across health agencies for patients with chronic conditions: an exploratory study	Internal - UORG	Jan-14	Mar-15	25,000
	Sue Pullon	B. Darlow, C. Wilson, E. McKinlay, P. Gallagher, L. Gray	Longitudinal Interprofessional Study	Internal - Division of Health Sciences, UoO	Nov-14	Jun-18	200,000
	Sue Pullon	B. Gray, E. McKinlay, S. Morgan, S. Garrett	Youth health: investigating collaborative care across health agencies (NEW)	Internal - UORG	Jan-15	Mar-16	32,152
	Sue Pullon	B. Gray, E. McKinlay, S. Morgan, S. Garrett, S. Donovan	Youth health interagency collaboration: identifying the best ways to work together..... (NEW)	NZ Lottery Grants	Oct-15	Sep-17	58,884
	Tony Dowell	S. Collings, F. Mathieson, J. Stanley, B. Lane	RCT of an Ultra Brief Intervention to manage common mental health problems in primary care (EXTENDED)	Internal - UORG	Jan-13	Mar-16	44,407
	Tony Dowell	M. Stubbe, L. McBain (+Compass Health)	The morbidity patterns of childhood illness in general practice	NZ Lottery Grants	Aug-13	Jul-15	51,200
	Tony Dowell	L. McBain, M. Stubbe, B. Darlow	Improving child health: innovative ways of assessing injury morbidity and service use in primary care	Internal - UORG	Jan-14	Mar-15	34,620

External Collaboration/Consultancies

	Principal Investigator	Co-Investigators	Project Name	Funder	Start Date	End Date	Amount
EXTERNAL COLLABORATION							
University of Auckland	Lesley McCowan	B. Lawton	Multi-centre case control stillbirth study	HRC	Oct-12	Sep-15	56,242
UOC	Peter Sykes	B. Lawton, B. Simcock, M. Hibma	The conservative management of young women with CIN2	HRC	Oct-13	Sep-17	1,107,627
COMMERCIAL CONSULTANCIES							
	Sue Pullon	T. Dowell, L. McBain	Evaluation of the RPRP (NEW)	Malatest Ltd.	Jan-14	Dec-19	34,560
	Ben Darlow	NA	FREE Business Case Development (NEW)	ACC	Jun-15	Jun-15	3,467

Student Research in Progress

Higher Degrees

Name	Degree	Thesis title	Start date	Projected end date	Full / PT	Supervisors
Trevor Lloyd	MGP	Histories of chest pain	1/03/2014	31/08/2016	PT	Sue Pullon, Maria Stubbe
MeI Pande	PhD	Adaptation of overseas trained doctors to the work culture of NZ general practice	Examination complete	Degree to be conferred	PT	Tony Dowell, Jackie Cumming (Vic)
Christine Howard-Brown	PhD	Working towards PHC & aged residential care integration	1/06/2011	31/05/2017	PT	Roshan Perera (MEG), Sally Keeling (Medicine)
Fiona Mathieson	PhD	Metaphors in cognitive behaviour therapy	1/03/2013	28/02/2019	PT	Maria Stubbe, Jenny Jordan (Psych Med)
Kate Roberts	PhD	The role of acupuncture as an adjunct to PC for mild to moderate mood disorders	1/03/2015	28/02/2021	PT	Tony Dowell, Jing Bao-Nie (Bioethics Centre, Dunedin)
Isobel Ross	PhD	Surgeons' and patients' shared understanding of decision-related information.	1/07/2015	30/06/2018	FT	Maria Stubbe, Kevin Dew (Victoria)
Degrees Awarded in 2015						
Fiona Doolan-Noble	PhD	Obesity management in general practice with a specific focus on NZ men of higher weight				Tom Love, Sue Pullon, Tony Dowell
Robyn Taylor	MPhC	Standing order use in primary care				Eileen McKinlay, Caroline Morris
Nancy Todd	MHealSc by papers	An audit of ethnicity data collection in a NZ PHO				Research project paper supervised by Eileen McKinlay
Maria Te Huia	MHealSc by papers	Motivations and barriers to nurses using complementary and alternative medicine therapies				Research project paper supervised by Monika Clark-Grill
Angela Johnson	MHealSc by papers	Applicability of change management characteristics to new service models in PHC				Research project paper supervised by Lynn McBain

Summer Student Projects 2015/16

Funder	Project Title	Supervisor/s	Student Name
Tairāwhiti Complementary and Traditional Therapies Research Trust University of Otago	Oral health of Tairāwhiti 5-year-olds following the implementation of "Good Oral Health for All, for Life"	Sue Pullon Lyndie Foster Page Arish Naresh Patrick McHugh Bruce Duncan	Thomas McHugh