



UNSW research centre for
primary health care and equity

annual report 2008



UNSW
THE UNIVERSITY OF NEW SOUTH WALES

Acknowledgments

We would like to thank the Management Board, chaired by the Senior Associate Dean, Professor Terry Campbell, and the Advisory Committee, chaired by Emeritus Professor Ian Webster, for their support and wise advice during the year.

We would also like to acknowledge the support of Professor Raina MacIntyre, Head of the School of Public Health and Community Medicine. The Centre and School enjoy a close association, with School staff involved as collaborators and co-investigators in Centre research projects and research student supervision, and Centre staff teaching in courses organised through the School.

Our research would not be possible without the support of our partners in the health and health related services and in the community. We work closely with NSW Health and local health services (Area Health Services, Community Health and Divisions of General Practice), local government and non government organisations. We have a particularly strong association with the Sydney South West Area Health Service (SSWAHS) where two of our units (CHETRE and the General Practice Unit, Fairfield) are located. We would like to acknowledge all our partners and thank them for the support they have provided during 2008.

The Centre receives a Capacity Building Infrastructure Grant from NSW Health. This supports core management functions and the development of the Centre and its research. We also receive funding from the Department of Health and Ageing for our Research Capacity Building Program.

Finally we thank the staff for their hard work and dedication. The Centre's success in 2008 is due to their efforts in what are important but often difficult areas of research.

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Background

The UNSW Research Centre for Primary Health Care and Equity (CPHCE) was formally established as a UNSW research centre in 2005, bringing together four existing research groups associated with the School of Public Health and Community Medicine:

- the Centre for General Practice Integration Studies (CGPIS);
- the Centre for Health Equity Training, Research and Evaluation (CHETRE);
- researchers in the General Practice Unit at Fairfield Hospital;
- the Centre for Equity and Primary Health Research in Illawarra and Shoalhaven (CEPHRIS), based at the Illawarra Division of General practice.

The first three groups had worked closely together since 1996 and co-founded CEPHRIS 2002, with a shared focus on research relating to primary health care and health equity.

The Centre aims to contribute to improvements in the health and wellbeing of the community through research that strengthens primary health care and addresses health inequalities and the social determinants of health. CPHCE has three broad streams of work:

- prevention and management of chronic diseases;
- primary health care system development;
- understanding and intervening to reduce health inequalities.

We also engage actively in building capacity for primary care research within these streams and through the Research Capacity Building Program, funded by the Department of Health and Ageing.

We work at national, state and local levels. This enables us to address large system issues while at the same time reviewing their impact at a community level. We use a wide range of methods, including quantitative methods such as surveys, audit and analysis of population datasets, and qualitative methods including participatory action research.

The Executive Director, Mark Harris, leads the management team of Directors. In 2008 this comprised Gawaine Powell Davies (CEO), Elizabeth Harris, Lynn Kemp, Nicholas Zwar, David Perkins (who left during the year), with Teng Liaw joining us in February 2009. At December 2008 we had 51 staff (36.5 full time equivalents).

The Management Board oversees the work of the Centre on behalf of the university. The Advisory Committee provides advice on strategic directions and opportunities for strengthening the research program. Within the Faculty of Medicine the Centre is closely affiliated with the School of Public Health and Community Medicine, with the Head of School sitting on both Management board and Advisory Committee.

The Centre was reviewed by the University in November 2008, and has been re-accredited as a UNSW Research Centre for a further three years.

Management Board and Advisory Committee

2008 Management Board

VOTING MEMBERS	
Professor Terry Campbell (Chair)	Senior Associate Dean, Faculty of Medicine, UNSW
Professor Mark Harris	Executive Director, Centre for Primary Health Care and Equity
A/Professor Gawaine Powell Davies	CEO and Director, Centre for Primary Health Care and Equity
Dr Teresa Anderson	Director, Clinical Operations SSWAHS
Professor Ilan Katz	Director, Social Policy Research Centre
Professor Raina MacIntyre	Head, School of Public Health and Community Medicine
Professor Bill Randolph	Director, City Futures Research Centre, Faculty of the Built Environment
NON-VOTING MEMBER	
Ms Sarah Ford (Secretariat)	Finance Manager, Centre for Primary Health Care and Equity

The management board met on 20 March and 26 August 2008.

2008 Advisory Committee

VOTING MEMBERS	
Emeritus Professor Ian Webster AO (Chair)	School of Public Health and Community Medicine, UNSW
Dr Andrew Dalley	Chief Executive Officer, Illawarra Division of General Practice
Ms Karen Edwards (to April 2008)	Director of Primary and Community Health Services, Greater Southern Area Health Service
Professor Mark Harris	Executive Director, Centre for Primary Health Care and Equity
Mrs Elizabeth Harris	Director, Centre for Health Equity Training Research and Evaluation
Ms Leslie King (from April 2008)	Executive Director, Centre for Overweight and Obesity, Sydney University
Assoc. Professor Rosemary Knight (to April 2008)	Head, School of Public Health and Community Medicine UNSW
Professor Raina MacIntyre (from April 2008)	Head, School of Public Health and Community Medicine UNSW
Professor John Macdonald	Professor of Public Health, University of Western Sydney
Mr Scott McLauchlan (from April 2008)	Director of Operations, Primary and Community Networks
Dr David Perkins (to April 2008)	Director, Centre for Equity and Primary Health Research in the Illawarra and Shoalhaven
Assoc. Professor Gawaine Powell Davies	Chief Executive Officer and Director Centre for Primary Health Care and Equity.
Dr Christine Walker (from April 2008)	Chronic Illness Alliance, Victoria
Ms Bronwyn Wilkinson (to April 2008)	Manager Non-Acute Care, NSW Chronic Care Unit, NSW Health
Ms Marilyn Wise (to April 2008)	Executive Director, Australian Centre for Health Promotion, University of Sydney
Professor Nicholas Zwar	Director, Fairfield General Practice Unit ¹ and Professor of General Practice, School of Public Health and Community Medicine

The Advisory board met on 8 April and 2nd September 2008.

¹ Professor Teng Liaw took up appointment as Director of the Fairfield General Practice Unit in February 2009.

Message from the Chair of the Management Board



Terry Campbell

2008 has been another successful year for the Centre. It began with Randwick-based staff moving into excellent premises in the former AGSM building. This has brought all the Randwick-based staff together for the first time, and also has space for staff based at Liverpool and Fairfield. This has done much to improve the sense of connection amongst staff.

Research has continued across primary health care system development, health equity and prevention and management of chronic disease. The quality of the research remains impressive, and staff have continued to have success in attracting grants and in publishing their results. Their work is especially relevant in the light of planned health service reforms, and I am pleased to see that the Centre has contributed actively to shaping these.

The Centre has had success in many areas during 2008. Its work in Aboriginal health includes the very impressive Gudaga cohort study of babies born at Campbelltown hospital, which will cast new light on the health and development of Indigenous children, with Sydney South West Area Health Service establishing a permanent 'Closing the Gap' Aboriginal program as a result of early findings of this study. The work on Health Impact Assessment has continued to grow strongly: the Centre is now a world leader in this area, and has been invited to form a global network for the International Union of Health Promotion and Education. There is an impressive program of research into preventing and managing chronic disease, including a number of intervention trials, which is contributing to our understanding of what primary health care has to contribute to reducing the burden of chronic conditions. The work in primary health care development is drawing on experience from Australia and abroad to support developments in NSW and across Australia.

As well as conducting its own research, the Centre supports other primary health care staff with an interest in research through the Primary Health Care Research Capacity Building Initiative. This works with 350 people in four regions of NSW, and is helping to create a research-literate primary health care workforce, as well as identifying future research leaders.

The Centre has had some continuity of funding through infrastructure support from New South Wales Health, the Fellowships held by Mark Harris and Lynn Kemp and three new PhD scholarships. This has provided a solid base for the work of the Centre, particularly with the fluctuations in research grant income and the reluctance of funders to pay for organisational infrastructure.

The University reviews its research centres every three years. The Centre for Primary Health Care and Equity received a very good report, with some useful suggestions for future directions from the review team. These are being put into action and will be taken up in the Centre's planning for the next three years.

It is my pleasure to congratulate Mark Harris, Gawaine Powell Davies and the staff and directors of the Centre on a successful year.

A handwritten signature in black ink, appearing to read 'T. Campbell', written in a cursive style.

TERRY CAMPBELL
Chair, Management board

Message from the Chair of the Advisory Committee



Ian Webster

The Advisory Committee is proud of the Centre's span of research and its relevance to contemporary health care and public health issues.

This is difficult research working in social and clinical practice environments forever changing and widely distributed. But as the nation faces the global recession and our own communities suffer, the research in equity, the health problems in lower income families and regions could not be more timely. Unemployment is predicted to rise so the Centre's work on effective interventions in unemployed people will provide sound evidence for social policy development. Add to the impact of the global recession the new Commonwealth Government strategies to deal with homelessness and to promote social inclusion and the Centre's research programme can be seen to be well framed.

Other Commonwealth Government priority areas have used research findings and advice from the Centre. The Primary Health Care Strategy, the Preventative Health Strategy and the Hospitals and Health Services Reform Commission will all propose reforms in primary health care, in the management of national health priority conditions and in prevention and early intervention in chronic disease. The core elements of the Centre's research are highly relevant to each of these strategies and, more to the point, they can be implemented.

The meetings of the Advisory Board with the Centre's leaders are always interesting and exciting. There is a simple reason for this: the Centre's work is practical, real and organically related to front-line primary health care providers and with those who tangle with the interactions between poverty and health in our communities.

On behalf of the Advisory Committee, I am pleased to congratulate the Centre's leaders and express our admiration for the work in all the research streams. We warmly wish the young researchers that their work will be productive and the start of a life-time of satisfying and rewarding explorations of the human predicament through the eyes of health and health services.

The Advisory Committee strongly endorses the appreciation of Professors Terry Campbell and Mark Harris for the support and encouragement of external funding bodies, to the University of New South Wales, the Faculty of Medicine and the School of Public Health and Community Medicine.

A handwritten signature in black ink, appearing to read 'I. W. Webster', with a horizontal line underneath.

EMERITUS PROFESSOR IAN W. WEBSTER AO
Chair, Advisory Committee

Message from the Executive Director



Mark Harris

2008 has been a year of achievement for the Centre. In November we were reviewed as a Centre and the findings were very positive. Overall the external review panel found CPHCE to be an asset to UNSW and congratulated the staff for its successful development over the three years since its formation. It made a number of important recommendations which the Centre has incorporated into its forward planning.

We completed several major research studies. These included completing the first phase of the Gudaga cohort study of Aboriginal children to one year of age and starting the second phase study to 5 years. We finished the MESCH trial of intensive home visiting and the Teamwork study evaluating an enhanced role for non-GP practice staff in chronic disease management. We commenced several other studies including a trial of absolute cardiovascular risk assessment in general practice, a study of referral pathways for patients with colorectal cancer and began work on a large quasi-experimental study of behavioural risk factor management by community health nurses and a randomised controlled trial of a new patient self management program developed by Arthritis NSW.

We continued to receive competitive research funding including \$1.47 million in National Health and Medical Research Council (NHMRC), Australian Research Council (ARC) and other Category 1 funding sources for new projects and extensions to existing projects. We also received funding from NSW Health of \$489,838 under its Capacity Building Infrastructure Grant program and Research Capacity Building funding of \$260,000 from the Australian Government Department of Health and Ageing through the Primary Health Care Research Evaluation Development Strategy. We have increased our publications in peer reviewed journals to 53 and our large group of research students is progressing well, with one submitting his PhD and several others close to submission. We have also continued to supervise medical students undertaking Honours or Independent Learning Projects (ILP) with the Centre.

Our research has had a demonstrable impact on government policy. I was invited to become a member of the Australian Government Expert Review Group on the development of a Primary Health Care Strategy, and we were commissioned to write papers for the National Health and Hospitals Reform Commission and Preventive Health Task Force. We have contributed to the development and evaluation of the Lifescripts program and Indigenous Early Childhood Home Visiting Program, and also provided input into the development and evaluation of the NSW Health One (Integrated Primary and Community Health Care Centres) program, Community Health Review and the work of the NSW Health Chronic Aged and Primary Health Care Priority Task Force.

Our research is highly relevant to primary health care practice, including providing evidence and tools for best practice (cardiovascular risk, preventive care, behavioural risk factor management, diabetes prevention, child and family health nurse home visiting). We have also developed and used a number of innovative research methodologies and instruments for assessing quality of care for chronic illness, shared decision making and prevention in primary health care services. The findings from our intervention research continue to be disseminated to and adopted by Divisions of General Practice and Community Health Services.

We have continued to build the capacity of Area Health Services, local government, NGOs and other local organisations to undertake Health Impact Assessments (HIAs). These have included a Health Impact Assessment (HIA) on the Northern Territory Emergency Response in partnership with the Australian Indigenous Doctors Association and support for a remote Aboriginal community in New South Wales to conduct an HIA on a proposed change to health services. We are now developing methods to evaluate the impact of HIAs on policy and practice.

We have continued to develop our own research capacity and expertise in areas such as multilevel statistics, data linkage, mixed-method analysis, systematic reviews and instrument development and made this expertise available to others involved in similar research.

We have a broad range of partnerships with other researchers, policymakers, practitioners, local communities and consumers. During 2008, staff visited international research groups including the Health Service Management Centre at the University of Birmingham, the National Primary Care Research and Development Centre at the University of Manchester and the Department of Family Medicine, Catholic University of Korea. We have developed new collaborations with the Centers for Disease Control (CDC). in the US in relation to both Health Impact Assessment and chronic disease prevention.

The Healthy Public Policy Program has also continued to develop its international profile, including hosting the Asia Pacific HIA listserv. We have been invited to contribute a chapter on HIA to a book on effectiveness in contemporary health promotion by the International Union for Health Promotion and Education, and were invited to present a keynote speech and conduct a workshop on the use of HIA by local government at the Asia and Pacific Regional HIA Conference in Chiang Mai, Thailand.

We conducted successful workshops on mental health with Professor Tony Kendrick from in January and on patient centred care and team care with Professors Moira Stewart and Tom Freeman from the University of Western Ontario Canada. We held a very successful workshop on measuring health inequalities with invited speakers including Professor John Lynch and Professor Louisa Jorm.

We also hosted visits from a number of visiting academics including from the Dr Jackie Cumming from Victoria University, New Zealand and Dr Helen Parker from the Health Services Management Centre in the UK.

Looking Forward

In 2009 and beyond we will build upon our achievements to date by:

- implementing the recommendations of the Centre review and further developing our three research streams;
- further developing our partnerships with primary and community health services in NSW to conduct research and evaluation which is relevant to their needs and priorities;
- strengthening international collaborations and the Centre's international profile;
- supporting and encouraging staff to apply for research fellowships and attracting research students to the centre;
- improving further our dissemination of research findings the quality and number of peer reviewed publications and the transfer of our research to policy and practice through workshops, symposia, and presentations to policy makers and practitioner groups especially to service providers in NSW;
- strengthening our partnerships with health and human services and with health care providers involved in our research.



PROFESSOR MARK HARRIS
Professor of General Practice and Executive Director,
UNSW Research Centre for Primary Health Care & Equity, UNSW

Research

2008 Fellowships and Scholarships

FELLOWSHIP	RECIPIENT
Australian Department of Health and Ageing PHCRED Research Fellowship – Prevention and management of chronic disease in primary health care	Mark Harris
Australian Department of Health and Ageing PHCRED Mid Career Research Fellowship – Development of a comprehensive and integrated early childhood system	Lynn Kemp
National Health and Medical Research Council Post-Doctoral Fellowship (HERON Project)	Elizabeth Comino
SCHOLARSHIP	RECIPIENT
Australian Postgraduate Award Scholarship	Qing Wan
National Health and Medical Research Council PhD Scholarship	Ben Harris-Roxas
National Health and Medical Research Council PhD Scholarship	Rachel Laws
National Health and Medical Research Council PhD Scholarship	Julie McDonald
National Health and Medical Research Council PhD Scholarship	Tim Shortus

2008 Research projects and programs

The Centre has three research streams: prevention and management of chronic disease, primary health care system development and understanding and intervening to reduce health inequalities, each with a number of sub-programs. We also have the UNSW Primary Health Care Research Capacity Building Initiative, which is funded through the Australian Government Research Capacity Building Initiative, a key component of the National Primary Health Care Research, Evaluation and Development Strategy.

This section describes current research projects within their respective streams. Projects completed during 2008 are marked with an asterisk (*). The research teams include both investigators and research staff, with affiliations being provided for those who are not part of CPHCE. The first-named chief investigators are given in bold type and project coordinators are underlined, with the rest of the research team being listed in alphabetical order of surname. Where there is external funding, the source is given in brackets after the project name.

In addition to the activities described in the streams, the Centre also supported a number of practitioner-led research projects in 2008 through its Research Capacity Building Stream and the Primary Health Care Research Network (PHReNet). Other projects were carried out by students as part of their studies.

Prevention and Management of Chronic Disease

There is increasing recognition of the importance of organisational capacity in the prevention and management of chronic disease in primary health care. A key focus has been on intervention studies evaluating elements of the Chronic Care Model, especially self management and health literacy, delivery system design including teamwork, decision support and shared decision making between patients and providers.

Within this stream, there are three main programs of work:

- improving quality of care for chronic disease;
- teamwork in chronic disease management;
- prevention of chronic disease.

Improving quality of care for chronic disease

This program arose from a large number of projects conducted over the past decade, including the Divisions Diabetes and Cardio-vascular Disease Quality Improvement Project (DDCQIP) and studies of care planning, asthma, Chronic Obstructive Pulmonary Disease (COPD) and cardiovascular disease.

A cluster randomised control trial of nurse and general practitioner partnership for care of Chronic Obstructive Pulmonary Disease (COPD) (NHMRC)

Research Team: **Nicholas Zwar**, **Oshana Hermiz**, Elizabeth Comino, Iqbal Hasan, Guy Marks (Liverpool Hospital), Sandy Middleton (Australian Catholic University), Sanijot Vagholkar, Stephen Wilson (St Vincents Hospital).

This randomised control trial is evaluating the impact of a partnership between practice nurses and GPs on the quality of care and health outcomes for patients with COPD. Participants are GPs practising within four Divisions of General Practice in South West Sydney and the study is following up the care and outcomes for their patients with COPD over a 12 month period.

DESPATCH: Delivering stroke prevention for atrial fibrillation: assisting evidence-based choice in primary care (NHMRC)

Research Team: **Melina Gattellari** (School of Public Health and Community Medicine, UNSW), Jeremy Grimshaw (University of Ottawa), Dominic Leung (Liverpool Hospital), Obi Ukoumunne (Royal Children's Hospital, Melbourne), John Worthington (Liverpool Hospital), Nicholas Zwar.

Non Valvular Atrial Fibrillation (NVAf) is a common heart condition associated with a major risk of stroke. This study seeks to optimize the management of NVAf in general practice. Using a cluster randomized design, DESPATCH tests an intervention involving decisions support tools, peer educators and specialist telephone support. General Practitioners and their patients in South West Sydney are participating in this project.

Randomized controlled trial of Moving On: a self management program for persons with a chronic illness (Arthritis NSW and the National Prescribing Service)

Research Team: **Anna Williams**, Diana Aspinall (Arthritis NSW), Leah Bloomfield (School of Public Health and Community Medicine), Darren Carr (Hawkesbury Hills Division of General Practice), Karen Filocamo (Arthritis NSW), Mark Harris, Nicholas Manolios (Sydney West Area Health Service).

Moving On is a self management program developed by Arthritis NSW. The aim of the research is to evaluate its impact on participants' knowledge and skills for self management, attainment of selected goals, behaviour change and perceived improvements in health status.

****General Practitioners and Palliative Care Study (General Practice Education and Training)***

Research Team: **Joel Rhee**, Andrew Broadbent (Hope Healthcare), Sarah Dennis, Geoff Mitchell (University of Queensland), Sanijot Vagholkar, Nicholas Zwar.

The aim of this study was to identify the level of involvement of urban GPs in palliative care, the main issues that GPs face in providing palliative care to patients in the community and determine their relative importance. Dr Rhee was awarded the Allan Chancellor Medal for best first time presenter at the RACGP Annual Scientific convention for his presentation of this work and was also successful in obtaining an AAAGP Travelling Fellowship in 2008 to further his research in end of life care.

Supporting treatment decisions to optimize the prevention of stroke in atrial fibrillation: the Stop-Stroke in AF trial. (MBF Foundation Limited, Heart Foundation of Australia)

Research Team: **Melina Gattellari** (School of Public Health and Community Medicine, UNSW), James Van Gelder (Liverpool Hospital), Dominic Leung (Liverpool Hospital), Glen Salkeld (University of Sydney), John Worthington (Liverpool Hospital), Nicholas Zwar.

Stop-Stroke is a randomised evaluation of novel education and support strategies to improve the management of Non Valvular Atrial Fibrillation in general practice. GPs will be randomly assigned to receive either the Stop-Stroke intervention or clinical practice guidelines. The outcome measure is appropriate use of antithrombotic and anticoagulant medications.

****The Collaborative Care Planning Scale: A new measure of patient involvement in chronic disease care planning (NHMRC PhD Scholarship)***

PhD Student: **Tim Shortus**, supervisors Mark Harris and Lynn Kemp.

The Collaborative Care Planning Scale is a patient questionnaire designed to measure patient involvement in chronic disease care planning. In this study, patients with diabetes and cardiovascular co-morbidities completed the scale and related measures. Standard psychometric techniques were used to test the reliability and validity of the scale for use in studies of interventions to improve the health outcomes of people with chronic and complex illnesses.

****Use of vignettes in the diagnosis of asthma (UNSW Faculty of Medicine Research Grant)***

Research Team: **Sarah Dennis**, Guy Marks (Liverpool Hospital), Nicholas Zwar.

This focus group study aimed to identify the key issues (including patient attributes) likely to influence a GP to make a diagnosis of asthma in adults.

Systematic Review of Drivers for Self Literacy in Behavioural Risk Factor Management in General Practice (APHCRI)

Research Team: **Mark Harris**, **Anna Williams**, Elizabeth Denney Wilson, Sarah Dennis, Anthony Newall (School of Public Health and Community Medicine, UNSW), Tim Shortus, Jane Taggart, Nicholas Zwar.

This is a systematic review of the literature on effective interventions and drivers for health literacy in relation to the SNAP risk factors in primary health care, and the implications for practice and policy.

****Systematic Review of Linkages between Chronic Disease Self Management Programs and Primary Health Care***

Research Team: **Mark Harris**, Anna Williams, Sarah Dennis.

This systematic review identified the type of strategies reported in published studies to link chronic disease self management programs with primary health care. It reported on the extent of their use and what is known about their effectiveness, and implications for policy and practice.

Organising chronic disease management

Between 2003 and 2004 we conducted the Practice Capacity Study, a cross sectional study of the capacity of general practices to provide quality care for patients with chronic disease. The study resulted in a number of publications and has influenced RACGP policy in relation to teamwork in general practice and the role of practice nurses in chronic disease management. We are now conducting a number of intervention studies of teamwork both within general practice and between it and other services. We have also begun to study substitution of roles for care of patients with chronic disease in general practice.

Team-link study: Outcomes of multidisciplinary care in general practice (AHMAC)

Research Team: **Mark Harris**, **Bibiana Chan**, Sunshine Bustamante, Bettina Christl, Patrick Crookes (University of Wollongong), Mahnaz Fanaian, Maureen Frances, Upali Jayasinghe, Sue Kirby, Michael Moore (Central Sydney Division), Danielle Noorbergen, Rene Pennock (Macarthur Division),

David Perkins, Gawaine Powell Davies, Judy Proudfoot (School of Psychiatry), Warwick Ruscoe (Southern Highlands Division), Darryl Williams (South East Sydney Division), Nicholas Zwar.

This quasi experimental study evaluates a Division and practice based intervention to improve teamwork between general practice and other services in the care of patients with diabetes and cardiovascular disease. It has been conducted with 26 practices in four Divisions in Sydney. The study was completed in March 2009 and analyses are currently conducted to prepare for publications.

****Teamwork study: Enhancing the role of non-GP staff in chronic disease management in general practice (NHMRC)***

Research Team: **Mark Harris**, **David Perkins**, **Jane Taggart**, Cheryl Amoroso, Justin Beilby (Adelaide University), Deborah Black (School of Public Health and Community Medicine, UNSW), Barbara Booth, Sunshine Bustamante, Leigh Cantero, Bettina Christl, Patrick Crookes (University of Wollongong), Mahnaz Fanaian, Maureen Frances, Linda Greer, Matt Hanrahan (Alliance of NSW Divisions), Oshana Hermiz, Sue Kirby, Geoffrey Meredith (University of New England), Corinne Opt' Hoog, Shane Pascoe, Elizabeth Patterson (Griffith University), Gawaine Powell Davies, Judy Proudfoot (School of Psychiatry), Anita Schwartz, Peta Sharrock, Jocelyn Tan, Pauline Van Dort.

This project began with extensive qualitative studies in general practice including focus groups, stakeholder interviews and practice case studies. These were followed by a randomized controlled trial of an intervention to support practices to develop teamwork, especially the role of practice managers and nurses for better management of diabetes and cardiovascular disease. 58 practices in NSW and Victoria were randomised to the intervention or control groups. The study was completed in 2008. Analysis and publications are being prepared during 2009.

Cancer Australia Referral pathways in colorectal cancer: General practitioners patterns of referral and factors that influence referral (Cancer Australia)

Research Team: **Mark Harris**, **Shane Pascoe**, Michael Barton (SSWAHS), Justin Beilby (University of Adelaide), Lisa Crossland (University of Adelaide), David Goldsbury (St Vincents Hospital), Dianne O'Connell (NSW Cancer Council), Allan Spigelman (St Vincents Hospital), John Stubbs (Cancer Voices), Craig Veitch (Sydney University).

This research involves four studies: a record linkage study using cancer registry and Medicare data, an audit of referral letters from GPs to colorectal cancer specialist surgeons, a focus group study of GPs, and a focus group study of patients.

Quality Improvement in general practice (PhD – part time)

PhD Student: **Barbara Booth**, supervisors Mark Harris and Nicholas Zwar.

The study aims to explore how the new complexity sciences may help understand processes of organizational change in general practice that can improve care for patients with chronic illness, by describing key elements of complexity science that resonate with understandings of organizational behaviour and particularly with the organization of general practice/primary care; analysing the process of organizational change in practices to discover parallels with complexity theory; and drawing insights and implications from these parallels to inform healthcare improvement initiatives in general practice.

Preventing chronic disease

Following the development of the SNAP (smoking, nutrition, alcohol, physical activity) framework for the Australian Department of Health and Ageing, we trialled it in two Divisions of General Practice. This contributed to the development of the RACGP SNAP guide and the 45-49 year Health Check as well as the NSW Health Chronic Disease Prevention Strategy. Current directions for our work involve further development and evaluation of risk assessment and management of behavioural risk factors both within primary health care and in referral services.

***Community Health Risk Factor Management Research Project (Community Health SNAP) (NSW Health)**

Research Team: **Gawaine Powell Davies**, **Rachel Laws**, Cheryl Amoroso, Rosslyn Eames-Brown, Mark Harris, Anna Williams.

Followed on from a trial in general practice, this project tested the use of the SNAP framework in community health. This involved working with three community health teams in two Area Health Services to review the scope for risk factor interventions, develop models for risk factor management and then to evaluate their acceptability, integration into clinical routines, client reach and acceptability. This study is being followed by quasi experimental study with four community nursing teams to examine the effectiveness of brief interventions in promoting changes in SNAP risk factors, to be conducted from 2009-2011.

Putting Prevention into Practice – Developing a theoretical model to help understand the lifestyle risk factor management practices of primary health care clinicians (NHMRC PhD scholarship)

PhD Student: **Rachel Laws** supervisors: Mark Harris, Lynn Kemp.

This PhD study is using a mixed methods design to develop a theoretical model of the factors influencing the risk factor management practices of PHC clinicians, using data collected as part of the Community Health Risk Factor Management Research Project. This will provide important insights into strategies to improve such practices both at the service and policy level. The PhD is due for submission by the end of 2009.

***Evaluation of the Implementation of Lifescripts in Demonstration Divisions (Dept. of Health and Ageing)**

Research Team: **Gawaine Powell Davies**, **Anna Williams**, Mark Harris.

In 2004 the Australian Government produced a range of Lifestyle Prescription (Lifescripts) resources to support risk factor management in general practice. During 2007-2008, fifteen Divisions of General Practice were funded trial differing approaches to implementing Lifescripts. The evaluation documented the different approaches and assessed how transferable and sustainable they were. This project has been followed by further work reviewing and updating the Lifescripts Resources in collaboration with AGPN and the RACGP (2009).

Health Improvement and Prevention Study (Vascular Prevention in General Practice) (NHMRC)

Research Team: **Mark Harris**, **Mahnaz Fanaian**, Cheryl Amoroso, Bettina Christl, Liz Develin (NSW Health), Gaynor Heading (NSW Cancer Institute), Upali Jayasinghe, Rachel Laws, David Lyle (Broken Hill UDRH, Sydney University), Suzanne McKenzie, Megan Passey (Northern Rivers UDRH, Sydney University), Gawaine Powell Davies, Chris Tzarimas (Lifestyle Clinic, Faculty of Medicine, UNSW), Qing Wan, Nicholas Zwar.

This randomised control trial in 30 urban and rural practices in 5 Divisions of General Practice aims to evaluate the impact on change in behavioural and physiological risk factors of a general practice based intervention for patients at a high risk for vascular disease. The intervention is conducted as part of a recall for a health check in general practice, with high risk patients being referred to a intensive physical activity and nutrition program. Baseline recruitment was almost complete by December 2008.

The feasibility and impact of cardiovascular absolute risk assessment in general practice (NHMRC GP Clinical Project 2007-2009)

Research Team: Mark Harris, Elizabeth Denney Wilson, Terry Campbell (Faculty of Medicine, UNSW), Iqbal Hassan, Suzanne McKenzie, Danielle Noorbergen, Anushka Patel (George Institute), Sanjyot Vagholkar, Qing Wan, Christine Walker (Chronic Illness Alliance), Nicholas Zwar.

This is a cluster randomised controlled trial in 34 practices in four Divisions of General Practice. Intervention practices receive training and support to implement absolute cardiovascular risk assessment as part of a health check in general practice. The impact on clinical practice and behavioural and physiological risk factors over 12 months is being evaluated.

The development of an implementation model for cardiovascular absolute risk assessment in general practice. (APA PhD scholarship)

PhD Student: Qing Wan *Supervisors:* Mark Harris, Nicholas Zwar.

This involves mixed methods research including qualitative focus group studies with GPs and patients, a pilot study in five general practices and an observational study involving audio-recording of consultations. The PhD is due for submission early in 2009.

****Absolute risk assessment in general practice – a pilot study to measure impact on prescribing and adherence to guidelines (RACGP Cardiovascular Research Grant 2007)***

Research team: Sanjyot Vagholkar, Mark Harris, Nicholas Zwar.

This was a before and after intervention study investigating the impact of absolute risk assessment in general practice on the prescribing of medications for hypertension and lipids, involving six GPs and 53 patients. Patients received a consultation with their GP to assess their cardiovascular absolute risk and discuss management. Pre and post intervention data was collected via patient questionnaire and medical audit. This data is being analysed in early 2009.

Impact of cardiovascular absolute risk assessment in pharmacotherapy in general practice. (PhD part time 2008-2010)

PhD Student: Sanjyot Vagholkar *Supervisors:* Nicholas Zwar, Mark Harris.

This aims to understand the impact of absolute CV risk assessment on pharmacotherapy in general practice. This includes the pilot study above, analysis of pharmacotherapy data and qualitative interviews with GPs involved in the ART Study.

Mental health and prevention of cardiovascular disease in general practice- impacts and interactions. (PhD study 2007-2011)

PhD Student: Suzanne McKenzie *Supervisors:* Mark Harris, Gavin Andrews (St Vincents).

This study is being undertaken in association with the HIPS study. It aims to explore the relationship between psychological distress and other risk factors for cardiovascular disease in general practice in both rural and urban settings in NSW, to determine whether patients' level of psychological distress modifies the impact of an intervention in general practice to assist patients to modify their risk factors for cardiovascular disease, and to determine whether an intervention aiming to reduce cardiovascular risk in a general practice patient population also has an impact on the patients' mental health.

The efficacy of lifestyle intervention within rural general practice on patient behavioural risk factors: Understanding the factors that influence lifestyle behaviour change in rural remote general practice. (Masters by Research part time 2007-2010)

PhD Student: John Kurko *Supervisors:* Mark Harris, Gawaine Powell Davies.

This study aims to determine the impact of the 45 plus health check on lifestyle risk factors, and describe the socio-cultural factors that inhibit or enable patient behaviour change in rural remote general practice.

Primary Health Care System Development

The Centre has been researching primary health care and how it can be strengthened for many years. The current national health reform initiatives may provide opportunities to put into practice some of the lessons from previous research, and to tackle issues that have previously been seen as too difficult to address.

There are two programs within this stream:

- improving integration of services and coordination of care;
- access to primary health care.

Improving Integration of Services and Coordination of Care

Integration of health services and coordination of care are a major challenge, especially for those with complex care needs. Our previous research has focused on sharing care between generalist and specialist services, and on improving links between primary and secondary care.

Future research is likely to focus on strategies for coordination at the micro (patient and provider) level, on service planning and coordination at district/regional level and on models of care for groups who need ongoing care that extends across primary/secondary and specialist/generalist boundaries.

***Evaluation of the Hospitalist program (NSW Health)**

Research team: **David Perkins**, Jeffrey Braithwaite (Centre for Clinical Governance, UNSW), Mark Harris, Karen Larsen, Gawaine Powell Davies.

'Hospitalist' is a new role for salaried medical staff within hospitals, with an emphasis on improving coordination and continuity of care throughout the patient journey. This project evaluated a pilot program introducing this role into four NSW hospitals. The scheme has since been implemented more widely.

***Evaluation of the HealthOne NSW Program (preliminary work) (NSW Health)**

Research team: **Gawaine Powell Davies**, **Anna Williams**, Elizabeth Comino, Mark Harris.

HealthOne NSW is a program establishing integrated primary health care centres that include general practice, community health and other health services in selected locations across NSW. CPHCE undertook preliminary work for the evaluation of this program.

Effective PHC organisation and funding models: lessons from Canada, the UK and New Zealand (APHCRI)

Research team: **Julie McDonald**, Helen Parker (Health Services Management Centre, Birmingham), Judith Smith (Nuffield Trust), Jackie Cummings (University of Victoria, NZ).

This project builds on an earlier systematic review comparing models of comprehensive and collaborative primary health care in Australia, Great Britain and New Zealand. It aims to compare how these countries are responding to the similar policy imperatives to develop new models of integrated primary health care, the reform mechanisms used and progress to date. A particular focus is on horizontal integration across the range of primary health care providers and vertical linkages with more specialised and secondary services.

Relationships between providers and their contribution to the development and delivery of coordinated and accessible PHC services for the prevention and management of type 2 diabetes mellitus (NHMRC PhD scholarship)

PhD Student: **Julie McDonald**. *Supervisors:* Mark Harris, Rohan Jayasuriya.

This is a qualitative case study that aims to explore relationships between public and private sector organisations and provider groups. The main focus is on the breadth and depth of collaborative activities, including service delivery, the support and education of providers and on the planning and development of primary health care services.

Do patient attitudes contribute to frequent readmissions? (PhD study 2008-2011)

PhD Student: **Sue Kirby** *Supervisors:* Sarah Dennis, Mark Harris.

This ethnographic project has three phases. Phase 1 involves qualitative analysis of non participant ethnographic observations in the emergency department of Shellharbour Hospital and quantitative analysis of emergency department de-identified patient data. Phase 2 consists of qualitative analysis of semi-structured interview data from frequent emergency department users and clinicians at Shellharbour. Phase 3 involves qualitative and quantitative analysis of in-depth interviews with frequent emergency department users.

End of life decision making: Advance Care Planning in the Primary Care Context. (NHMRC PhD scholarship) 2008-2011

PhD Student: Joel Rhee Supervisor: Nicholas Zwar, Lynn Kemp

The research study will use qualitative research methods to determine how advance care planning is conceptualised by patients, families and relatives and general practitioners. Their views will also be compared with those of specialist clinicians, representatives of consumer groups, health organisations and health departments. In particular, the research will focus on the conceptualisation of the aims of advance care planning and how this impacts on one's views of how this should be conducted and implemented. The findings will have significant Australian and international implications for how advance care planning is planned and delivered in the primary care setting.

Access to Primary Health Care

There is much we need to know about access to primary health care, particularly for those with health or social disadvantage or for those needing coordinated care over time. The Access to Primary Health Care Program involves studying patterns of care and the impact of primary health care on health status and health service utilisation.

Optimising access to 'best practice' primary health care (APHCRI)

*Research Team: Bettina Christl, **Elizabeth Comino**, John Furler (University of Melbourne), Marion Haas (UTS), Jane Hall (UTS), Mark Harris, Yordanka Krastev, Gawaine Powell Davies, Antony Raymont (Victoria University, NZ).*

This systematic narrative review is examining factors which support access to 'best practice' primary health care services and how these can be enhanced. It builds on the existing research activities of the review team. We envisage that the final report will identify key barriers to access to 'best practice' PHC, and propose key policy interventions to address these.

Relationship between 'best practice' primary care, health status, hospitalisation, and death for general practice patients with diabetes

*Research team: **Elizabeth Comino**, Mark Harris, Nicholas Zwar.*

This project is using data linkage to explore the relationships between 'best practice' diabetes care, clinical indicators of control of diabetes symptoms in the GP setting and hospitalisation, using data linkage. The data collections to be linked include the CARDIAB Diabetes Register maintained by Southern Highlands Division of General Practice, the NSW

Admitted Patient Data Collection, the NSW Register of Births, Deaths, and Marriages, and the Emergency Department Data Collection for Sydney South West Area Health Service.

Investigating best practice primary care for older Australians with diabetes using record linkage: a pilot study

*Research team: **Elizabeth Comino**, Jeff Flack (SSWAHS), Marion Haas (UTS), Mark Harris, Bin Jalaludin (SSWAHS), Louisa Jorm (UWS), Gawaine Powell Davies, Kris Rogers (Sax Institute).*

There is increased interest in the use of record linkage to explore access to and use of primary care. The 45 and Up Cohort study and of the NSW Centre for Health Record Linkage make it possible to explore the use of medical and hospital services. The aim of the study is to investigate process of care provision for older people with diabetes, identify the predictors of best practice provision of primary care and to explore the relationships between these and health outcomes including quality of life and hospitalisation. This project has been submitted to the NHMRC for project funding.

Pilot study: investigating best practice primary care for older Australians with diabetes using record linkage (UNSW Gold Star award)

*Research team: **Elizabeth Comino**, Jeff Flack (SSWAHS), Marion Haas (UTS), Mark Harris, Bin Jalaludin (SSWAHS), Louisa Jorm (UWS), Gawaine Powell Davies, Kris Rogers (Sax Institute).*

This pilot study will describe processes of medical care for participants in the 45 and Up study with diabetes. The aim of this study is to describe processes of care provision for participants with diabetes and to examine the patient characteristics that predict access to processes of care including completion of an annual cycle of care.

AusDiab study: investigating the socioeconomic predictors of diabetes diagnosis.

*Research team: **Elizabeth Comino**, Mark Harris, Upali Jayasinghe, Jonathon Shaw (Heart Foundation).*

The AusDiab study was the first national study of diabetes prevalence in Australia. It found that for every participant who was diagnosed with diabetes there were as many adults who were not diagnosed. This study is exploring the patient characteristics that were associated with presence of diabetes and with likelihood of known diagnosis, including demographics, socioeconomic status, risk factors, and health status.

Understanding and Intervening to Reduce Health Inequalities

Equity is a basic value of the Australian and NSW Health systems. We are interested in equity both in access to health services and in health outcomes. In Australia there are many significant inequities in health relating to location or family background, employment, income and level of education. Our focus is on gaining a greater understanding of the causes of inequity in health and what can be done to reduce it.

There are three main program areas within this research theme:

- early childhood;
- disadvantaged communities and populations;
- equity and healthy public policy (including Health Impact Assessment).

Early Childhood

The World Health Organisation's Commission on the Social Determinants of Health report recognises that to address health inequities it is important to intervene with children in their early years, when experiences have a strong effect on future health and development. Our research focuses on how individuals and communities can develop better supports and services for vulnerable and 'at risk' families with young children. Over the past year, the Centre has continued to contribute to the development of the NSW Health Supporting Families Early policy, the advancement of child and family health nursing home visiting services and understanding of appropriate ways of working with Indigenous families.

The Centre's early childhood research will continue to focus on improving outcomes for children through trialling evidence-based interventions, monitoring longer-term outcomes for vulnerable and at-risk children and working with service providers to evaluate improved models of service delivery.

***Randomised control trial of early childhood sustained home visiting (MECSH I) (ARC, NSW Department of Community Services, SSWAHS, NSW Health)**

Research team: **Elizabeth Harris**, **Lynn Kemp**, Teresa Anderson (SSWAHS), Henna Aslam, Cathy McMahon (Macquarie University), Stephen Matthey (SSWAHS), Sheryl Scharkie, Virginia Schmied (University of Western Sydney), Graham Vimpani (University of Newcastle), Soggi Zapart.

This randomised control trial is investigating the impact of a comprehensive sustained professional home visiting (MECSH) program initiated antenatally

for at risk mothers in a very disadvantaged community. This study was completed in 2008, and findings are informing the development of child and family health policy and practice in NSW.

Early childhood sustained home visiting: outcomes at 4 years and the transition to school (MECSH II) (ARC, NSW Health)

Research team: **Elizabeth Harris**, **Lynn Kemp**, Teresa Anderson (SSWAHS), Henna Aslam, Sue Dockett (Charles Sturt University), Cathy Kaplun (PhD student, Charles Sturt University), Cathy McMahon (Macquarie University), Stephen Matthey (SSWAHS), Bob Perry (Charles Sturt University), Sheryl Scharkie, Virginia Schmied (University of Western Sydney), Graham Vimpani (University of Newcastle), Soggi Zapart.

This study will follow up the families in the MECSH project, a randomised control trial investigating the impact of a comprehensive home-visiting program for at risk mothers (see above). It will determine whether the gains made by children in the MECSH project who have received sustained home visiting from pregnancy to age two are maintained into the preschool years and the transition to school. A unique aspect of this project is interviews with children about their experiences of starting school.

***Health and development of Aboriginal infants in an urban environment (Gudaga I) (NHMRC)**

Research team: **Elizabeth Comino**, Monica Aburto, Cheryl Jane Anderson, Pippa Craig, Alison Derrett (SSWAHS), Elizabeth Harris, Mark Harris, Richard Henry, Lisa Jackson Pulver (School of Public Health and Community Medicine, UNSW), Bin Jalaludin (SSWAHS), Brendon Keleher (SSWAHS), Jennifer Knight, Dennis McDermott (Flinders), Jenny McDonald (SSWAHS), Sharon Nicholson (SSWAHS), Natalie Ong, Heidi Sainsbury, Vana Webster, Darryl Wright (Tharawal Aboriginal Corporation).

The Gudaga project involved a birth cohort of 159 Aboriginal infants born in Campbelltown Hospital from Oct 2005 – May 2007. The babies are being followed over a 12 month period. The project is describing the health, development and health services use of these infants and their mothers. Infants are visited in their homes when they are 2-3 weeks and six months of age. At 12 months each child receives a full paediatric assessment using the Griffiths instrument.

Health and development of Aboriginal infants in an urban environment (Gudaga II) (NHMRC)

Research team: **Elizabeth Comino**, Monica Aburto, Cheryl Jane Anderson, Alison Derrett (SSWAHS), Pippa Craig, Elizabeth Harris, Mark Harris, Jennifer Knight, Natalia Ong, Lisa Jackson Pulver (School of Public Health and Community Medicine, UNSW), Bin Jalaludin (SSWAHS), Lynn Kemp, Kelvin Kong (St Vincent's Hospital), Peter Smith (Faculty of Medicine, UNSW), Jenny McDonald (SSWAHS), Heidi Sainsbury, Vicki Wade (SSWAHS), Vana Webster, Darryl Wright (Tharawal Aboriginal Corporation).

In 2007, additional funding was secured to continue the Gudaga study until the children reach five years of age. This second stage builds on the work of the original Gudaga project and continues to describe the health, development and human services use of Aboriginal children. The qualitative component to the study seeks to identify the hopes and dreams the mothers have for their children. The children receive a full paediatric assessment when they are three and five years of age.

The impact of universal home visiting on access to child and family health nursing services in Sydney South West Area Health Service (SSWAHS, NSW Health)

Research Team: **Elizabeth Comino**, Lynn Kemp, Vana Webster, Sigi Zapart.

The NSW Families First Initiative included universal home visiting for all families with newborn infants to connect vulnerable and at-risk families who do not access centre-based services to child and family health services. A study is being undertaken to determine whether the universal home visit is achieving this aim. This project involves deterministic and probabilistic linkage of maternal and child and family health services data.

****Discourses of parenting by mothers born overseas in non-English speaking countries***

Research Team: **Henna Aslam**, Emilee Gilbert (University of Western Sydney), Elizabeth Harris, Lynn Kemp.

The findings of the MECSH I study suggest that maternal and child health and development outcomes are different for Australian-born and overseas-born mothers. This study explored the discourses of mothers born overseas to develop understandings of their parenting and child health and development beliefs.

Bulundidi Gudaga (Closing the gap: improving Aboriginal maternal and child health in Macarthur) (SSWAHS)

Research Team: **Lynn Kemp**, Trish Clark (SSWAHS), Elizabeth Harris, Erika Lehner (SSWAHS), Kerry Plumer (SSWAHS), Vicki Wade (SSWAHS), Cheryl Woodall (SSWAHS), Darryl Wright (Tharawal Aboriginal Corporation).

The results of the Gudaga I and MECSH I studies indicate that Aboriginal children in the Macarthur region are at risk for poorer health and developmental outcomes, and that implementation of the MECSH intervention for these families may improve outcomes.

In preparation for implementation of this intervention by SSWAHS, a study is being undertaken to evaluate the capacity and current practice of non-Aboriginal nurses providing services for Aboriginal families.

Disadvantaged Communities and Populations

Some population groups such as Aboriginal people, the unemployed and refugees, and communities (many of the large public housing estates on the outskirts of Sydney) are at significant disadvantage in accessing health services and opportunities for health. This program area began a decade ago when unemployment rates in South Western Sydney were very high. It has evolved over time to include a focus on the evaluation of complex multi-sectoral interventions in large public housing estates and also the needs of the public health workforce who work in these communities.

****Cognitive Behavioural Therapy (CBT) intervention for people who are unemployed. (Job Futures/The National Unemployment Network)***

Research team: **Elizabeth Harris**, **Vanessa Rose**, Joan Silk.

Developing over the past decade, this research concerned the impact a brief CBT intervention on health, well-being and employment outcomes of people who are long-term unemployed, including interventions with people who have chronic mental illness. A trainers' manual and participant workbook have been developed. Funding has recently been received from Sydney South West Mental Health Promotion and Cabramatta Community Centre to develop a DVD to support the program. The next phase of this research is to disseminate finding to psychologists working with Divisions of General Practice and Job Network members.

Evaluation of Community 2168 Community Regeneration Intervention (Liverpool City Council)

Research Team: **Elizabeth Harris**, **Karen Larsen**, Lynn Kemp, Joan Silk and the Community 2168 Management Committee.

Evaluation of the Community 2168 project was continued as part of our research partnership with the Community 2168 Management Committee. In 2008 we have also undertaken community capacity and community asset reviews. The final round of evaluation will be undertaken in 2009.

² Joined the team in May 2008.

³ Joined the team in June 2008.

Locational disadvantage: focussing on place to improve health (SSWAHS)

Research Team: **Elizabeth Harris**, Betty Gill (University of Western Sydney), Mark Harris, John MacDonald (University of Western Sydney), Lynne Madden (NSW Health), Lee Ridoutt (Human Capital Alliance), Peter Sainsbury (University of Sydney), Jo Travaglia (Centre for Clinical Governance, UNSW), Marilyn Wise.

We have been funded by SSWAHS to develop and pilot a short course for the public health workforce on working in disadvantaged communities. This follows two earlier phases of the project. In the first phase of this project a generic workforce needs assessment model was developed and piloted in three Area Health Services with the public health workforce working in disadvantaged areas. In phase 2 specific competencies for working in locationally disadvantaged communities were identified and these will form the basis of the training course. A 'learning by doing' training program has been developed and will be piloted in SWS in 2009.

Equity and Healthy Public Policy

Healthy public policy aims to minimise health risk, promote health and reduce health inequity in populations. It is developed when considerations of health and well-being are systematically and transparently incorporated into the planning and implementation of policies, programs and projects by government, non-government and the private sectors. The work of the NSW HIA project has shown Health Impact Assessment to be an essential practical tool for developing healthy public policy that results from collaboration among health professionals and between the health and other sectors.

NSW HIA Capacity Building Project (NSW Health)

Research team: **Elizabeth Harris**, Stephen Green, Patrick Harris, Ben Harris-Roxas, Lynn Kemp, Marilyn Wise², Jane Lloyd³.

The NSW HIA Project aims to build the capacity of the NSW health system to undertake health impact assessments (HIAs). This work has included supporting 31 HIAs lead by the health sector; providing training and education to NSW Health staff and others through workshops, seminars and the development of a Masters-level unit on HIA; creating a practical guide to HIA; and developing active communication around HIA through the use of newsletters and the HIA connect website.

Other

The World Health Organization (WHO) Commission on the Social Determinants of Health (World Health Organization)

Patrick Harris has written a book chapter to be produced by the WHO from the work of the priority public health conditions knowledge network of the WHO Commission on the Social Determinants of Health. The chapter is based on a case study developed for the commission, of an integrated health promotion program, the Pacific Action for Health Project, to address Non-Communicable Disease risk factors in young people in Vanuatu.

WHO Social Determinants of Health final report

The WHO Commission on the Social Determinants of Health published its final report in 2009. It included a recommendation that organisations increase their capacity to conduct equity focused health impact assessment, citing the work of Harris E, Harris P, Kemp L (2006); and Harris E (2007) from CHETRE as the global benchmark in this area.

HIA capacity building

Patrick Harris and Lynn Kemp provided capacity-building training on the conduct of HIAs in Queensland. Patrick Harris has since supported Queensland Tropical Population Health to undertake two HIAs.

Patrick Harris, Marilyn Wise and Jane Lloyd provided capacity building training for South East Sydney Illawarra Area Health Service.

The Healthy Public Policy team at CHETRE have been commissioned by Greater Southern and Hunter New England Area Health Services to assist with the progression of equity within each organisation.

UNSW Primary Health Care Research Capacity Building Initiative

CPHCE receives funding from the Australian Government Department of Health and Ageing under the Research Capacity Building Initiative (RCBI) to support research development in primary health care. The program is active across four regions - South West Sydney, Southern and South Eastern Sydney, Illawarra and Shoalhaven and Greater Murray. In accordance with the national RCBI goals, the Research Capacity Building Program at CPHCE focuses on building a sustainable primary health care workforce as well as supporting high quality research.

Integral to work of the capacity building stream is the Primary Health Care Research Network (PHReNet), which provides information and support to a broad membership, including general practitioners, staff of Divisions of General Practice, and community and allied health professionals. PHReNet currently has over 350 members and offers the following services: education in basic research skills, mentoring and support for early career researchers, research seminars, an Evidence Based Practice journal club, and writing support groups.

The 2008 UNSW RCBI team included:

Nicholas Zwar	Program Director
Melanie Marshall	Program Coordinator Support in South East Sydney
Suzan Mehmet	PHReNet Administrator
Sarah Dennis	Senior Research Fellow, South West Sydney
Pippa Burns	Support in Illawarra and Shoalhaven region

The practice based research network, PHReNet-GP, was launched in 2007 and now has 55 members. It is open to individual GPs, Divisions of General Practice and Research Training Providers interested in collaborating with or taking part in research projects with CPHCE. PHReNet-GP supports and coordinates the participation of General Practices and Divisions of General Practice in high quality, priority driven PHC research that makes a difference to policy and practice.

PHReNet-GP also provides members with the opportunity to be involved in UNSW led research projects, in piloting and developing projects or as project participants.

In 2008 projects have included:

- a cluster RCT of nurse and general practitioner partnership care of COPD;
- a project to assess the effectiveness and feasibility of case finding of COPD by practice nurses in General Practice;
- absolute risk assessment in general practice – a pilot study to measure impact on prescribing and adherence to guidelines;
- diagnosing obstructing sleep apnoea in primary care.

An advisory committee was created in 2008 to provide strategic advice to the network. Key stakeholders were invited to participate as advisory members for an appointment of 2 years. Current members of the advisory group include:

Nicholas Zwar	RCBI Program director
Melanie Marshall	UNSW RCBI Program Coordinator
Sarah Dennis	Senior Research Fellow
Suzan Mehmet	Research Network Coordinator
Rene Pennock	EO, Macarthur Division of General Practice
Peter Edwards	GP
Phillip Lye	GP
Anne Eastwood	GP Educator, Institute of General Practice Education
Jeremy Bunker	GP Synergy, Staff Specialist GPU.
Kellie Marshall	Deputy CEO, Illawara Division of General Practice

Key achievements

Education

- Eight Introductory Research Skills Workshops were conducted and attended by a total of 81 participants (Presenters: Pippa Burns, Sarah Dennis, Melanie Marshall).
- Two Evidence Based Practice Journal club meetings were held, attended by 17 participants (Presenters: Sarah Dennis, Sanyjot Vagholkar).
- We conducted three sessions of our Writing Support Group, attended by 12 participants. (Sarah Dennis, Suzan Mehmet).

- We co-convened three state-wide PHC short courses on Research Methods, with a total of 60 participants (Sarah Dennis, Melanie Marshall).
- In conjunction with the Institute of General Practice Education, PHReNet conducted three research seminars featuring six research presentations, with 29 people attending.

Mentoring and supervision:

- We maintained a productive and active research network (PHReNet) with 355 members, compared to 325 in 2007.
- We continued to support the Academic Registrar position at the GP Unit in Fairfield Hospital.
- We provided informal ad-hoc advice to a range of PHReNet members across the four regions.
- We provided ongoing mentoring and support to a total of 17 projects.

1. *A Randomised Controlled Trial To Assess The Effectiveness Of Tai Chi For People With Type 2 Diabetes* - Dr Paul Lam (GP-led Project. Supervisors: Sarah Dennis, Nicholas Zwar).
2. *COPD Diagnosis Project* – Dr Jeremy Bunker (GP-led project. Co-investigators: Nicholas Zwar, Sanjyot Vagholkar, Sarah Dennis).
3. *Do patient attitudes contribute to frequent admissions?* Sue Kirby (former Researcher Development Program Masters Student project, now PhD project. Supervisors: Sarah Dennis, Mark Harris).
4. *GP Exercise Referral Scheme* - Shona Dutton (Researcher Development Program Masters Student project. Supervisors: Sarah Dennis, Nicholas Zwar).
5. *Advance Care Planning (ACP) in the Primary Care Context* – Dr Joel Rhee (Fixed term lecturer School of Public Health and Community Medicine). At the end of 2008 Dr Rhee was awarded a NHMRC Primary Health Care PhD Scholarship to progress this work (see above).
6. *Illawarra Division of General Practice Better Outcomes in Mental Health Care: Second Interim Evaluation, Changes and Achievements Over Time* - Anne Harley (Researcher Development Program Student project. Supervisors: Melanie Marshall, Pippa Burns, David Perkins).
7. *Kava Use in Tongan Men in Macarthur* – Della Maneze and Anau Speizer (Community Health, SSWAHS. Supervisor: Sarah Dennis).

8. *Mental Health in Chinese Immigrant Patients* – Dr George Tang (GP-led project. Supervisors: Elizabeth Comino, Sarah Dennis).
9. *Improving Communication And Time Management Skills In Hospital GP Registrars* - Dr Saw Hooi Toh, Institute of General Practice Education (GP educator project. Supervisor: Sarah Dennis).
10. *Obstructive Sleep Apnoea In Primary Care* – Dr Soheyl Aran (GP-led project. Supervisor: Sarah Dennis).
11. *One Small Step* – Behaviour Change And The Internet – Dr John Shepherd (GP-led project. Supervisors: Melanie Marshall, Ping Yu, Nicholas Zwar).
12. *Polypharmacy and the Elderly* - Katrina Stott (SSWAHS) Supervisor: Nicholas Zwar).
13. *General Practice interventions to promote physical activity* - Jennifer Lim (Independent Learning Project student. Supervisors: Nicholas Zwar, Sanjyot Vagholkar).
14. *GP care following hospitalisation in complex medical patients* - Su Yang (Supervisors: Nicholas Zwar, Sanjyot Vagholkar).
15. *A qualitative exploration of patient experiences taking biologics for psoriasis* - Chris An (Supervisor: Sarah Dennis).
16. *Schwartz Family Practice, Elderslie*- ongoing support with practice data and quality improvement (General Practice).
17. *Stepping Back, Looking Forward: Social, Health and Wellbeing Impact Assessment Literature Review* – Anna Jones (Researcher Development Program project. Supervisor: Ben Roxas-Harris).
18. *Attitudes and beliefs towards chronic disease self-management programs in rural General Practice* - Sharon Ganzer (Researcher Development Program project. Supervisors: Anna Williams, Mark Harris).

During 2008 we awarded \$20,000 worth of funding, to early career researchers, under the PHReNet Small Research Grants. The Small Grants holders are progressing as follows:

- Dr John Shephard has now completed the data collection and now is in the analysis phase of his project, One Small Step – Behaviour Change and the Internet.
- Ginny Sargent is progressing with her PhD - A Systematic Review of Interventions to Address Childhood Overweight and Obesity Through General Practice.

-
- Linda Blackmore has completed her study - Evaluation of the impact and health outcomes of a community based exercise intervention for people with type 2 diabetes and people with risk factors for type 2 diabetes.

Previous small grant recipient Paul Lam has completed his Randomised Controlled Trial To Assess The Effectiveness Of Tai Chi For People With Type 2 Diabetes and has successfully published a paper in the Australian Family Physician.

Piloting and recruitment assistance

PHReNet has provided piloting and recruiting assistance to a number of CPHCE led projects. These include:

- Qing Wan, Sanjyot Vagholkar and Mark Harris. Shared Cardiovascular Risk Assessment.
- Nicholas Zwar, Guy Marks, Alan Crockett, Sanjyot Vagholkar, Sarah Dennis - A project to assess the effectiveness and feasibility of case finding of Chronic Obstructive Pulmonary Disease (COPD) by practice nurses in General Practice.
- Dr Bibiana Chan, Mark Harris, Nicholas Zwar, Gawaine Powell Davies, Judy Proudfoot, Patrick Crookes, David Perkins Team-link study: AHMAC Outcomes of Multidisciplinary Care in General Practice.
- Amanda Siebers, Prof Ronald Grunstein, Prof Peter A Cistulli, Prof Guy Marks, Prof Nicholas Zwar, Dr Keith K H Wong - Diagnosing Obstructive Sleep Apnoea in Primary Care.
- Sanjyot Vagholkar, Nicholas Zwar, Mark Harris. Absolute risk assessment in general practice. A pilot study to measure impact on prescribing and adherence to guidelines.
- Gattellari M, Worthington J, Zwar N, Leung D, Ukoumunne O, Grimshaw J. The Despatch Study: Delivering, Stroke Prevention for Atrial Fibrillation: assisting evidence-based Choice in primary care.

Dissemination

- PHReNet in collaboration with the Institute of General Practice Education continues to provide joint Research Seminars.
- Ongoing research information is provided through the CPHCE website (www.cphce.unsw.edu.au), PHReNetic newsletter and regular email alerts to PHReNet Members.

Publications

- Supported network members to achieve eleven journal publications and nineteen conference presentations.

Partnerships and collaborations

The UNSW Primary Health Care Research Capacity Building Initiative continues to foster ongoing relationships and collaborations with the following organisations:

- The Institute of General Practice Education;
- The Alliance of NSW Divisions;
- The Schwartz Family Practice, Elderslie; and
- Divisions of General Practice within our regions.

Researcher Development Program

A further component of the capacity building stream is the provision of funding for novice/early career researchers to undertake a placement on existing research projects within the Centre through the Researcher Development Program (RDP). This provides place-holders with the opportunity to develop their research skills and understanding within the supportive environment of an experienced team of researchers.

In 2008, two RDP positions were offered as primary health care scholarships

The two successful applicants were:

- Sharon Ganzer who is undertaking the part-time traineeship model looking at Attitudes and beliefs towards chronic disease self-management programs in rural General Practice; and
- Anna Jones who is undertaking the part-time traineeship model looking at Stepping Back, Looking Forward: Social, Health and Wellbeing Impact Assessment Literature Review.

Teaching Activities

CPHCE contributes to undergraduate and graduate teaching within the Faculty of Medicine at UNSW, as well as occasional teaching for other universities and organizations. This provides an opportunity to share the Centre's current research with students. Centre staff were involved in teaching for the following courses in 2008.

Undergraduate Medicine at UNSW

- **Society and Health A & B**
Elizabeth Harris (lecturer), Mark Harris, Ben Harris-Roxas (guest lecturers).
- **Society and Health III**
Jeremy Bunker, Sanjyot Vagholkar, Nicholas Zwar (tutors, lecturers).
Mark Harris, Elizabeth Harris (guest lecturer).
- **Phase One Clinical Teaching**
Nicholas Zwar (co-coordinator in South West Sydney, tutor).
Jeremy Bunker, Sanjyot Vagholkar (tutors).
- **Foundation Course**
Elizabeth Harris (lecturer).
- **General Practice (5th Year)**
Jeremy Bunker, Tim Shortus, Sanjyot Vagholkar, (tutors, examiners).
Nicholas Zwar (lecturer, tutor, examiner).
- **Independent Learning Project – student placement**
Sarah Dennis, Mahnaz Fanaian, Mark Harris, Nicholas Zwar, Gawaine Powell Davies, Julie McDonald (supervisors).

Postgraduate Medicine at UNSW

Master of Public Health Program

a) MPH Electives run through CPHCE

- **Inequalities in Health**
Lynn Kemp (course co-ordinator)
- **Delivery of Primary Health Services in the Community**
Mark Harris, Gawaine Powell Davies (course co-ordinators)
Nicholas Zwar, Rachel Laws, Tim Shortus, Bibiana Chan, Jane Taggart, Anna Williams (lecturers).

- **Health Impact Assessment**
Ben Harris-Roxas (course co-ordinator).
Patrick Harris, Elizabeth Harris (lecturers).
- b) Contributions to other MPH Courses
- **Introduction to Public Health**
Elizabeth Harris, Ben Harris-Roxas (lecturers).
- **Environmental Health**
Ben Harris-Roxas (lecturer).
- **Intensive Course on Health, Development and Human Rights**
Lynn Kemp (lecturer).

Other Graduate Teaching

- **Graduate Diploma/Masters in Mental Health, Institute of Psychiatry**
Lynn Kemp (lecturer).
- **Non Communicable Disease Prevention and Control, Masters of International Studies/Masters of Public Health, University of Sydney**
Mark Harris (lecturer).

Other Teaching

- **NSW PHC Research Capacity Building**
Sarah Dennis (presenter and retreat supervisor).
- **Supervision of GP Registrars in Practice, Institute of General Practice Education**
Sanjyot Vagholkar (supervisor).
Jeremy Bunker (supervisor).
Nicholas Zwar (supervisor).
- **Three Day HIA Training for NSW Health Staff**
Ben Harris-Roxas (course co-ordinator)
(Run concurrently with MPH course)
Patrick Harris (presenters)
- **One Day HIA Training for NSW Public Health Officer Trainees**
Patrick Harris (course co-ordinator)
CPHCE also provides training through its PHReNet program as part of the Research Capacity Building Initiative.

Research Students

The Centre provides many opportunities for research students. In 2008 a total of 17 PhD and 5 Masters students were enrolled at the Centre (including a number of CPHCE staff members).

NAME	DEGREE	THESIS TITLE	SUPERVISOR	EXPECTED COMPLETION
Abby Anderson	PhD (UNSW)	Evaluation of health assistants in general practice	Judy Proudfoot (supervisor) Mark Harris (co-supervisor)	2010
Barbara Booth*	PhD (UNSW)	Quality improvement in general practice	Mark Harris (supervisor) Nicholas Zwar (co-supervisor)	December 2009
Albert Chan	Master of Public Health (treatise (UNSW)	Uptake of the 45-49 year old health check in Australia and patient and doctor characteristics facilitating uptake of the health checks	Mark Harris (supervisor) Cheryl Amoroso (co-supervisor)	July 2008
Jill Guthrie	PhD (UNSW)	Parents' experience of indigenous child hospitalisation	Lynn Kemp (co-supervisor)	2008
Roy Dean	PhD (UNSW)	The effect of exogenous and endogenous shock on the secondary sex ratio in the Tasmanian community experience	Elizabeth Comino (co-supervisor),	2010
Shona Dutton	Masters (UNSW)	General Practice Exercise Referral Scheme	Nicholas Zwar (co-supervisor) Sarah Dennis (co-supervisor)	2008
John Eastwood	PhD (UNSW)	Perinatal and infant social epidemiology: A study of the economic, social, physical and political context of perinatal depression in South West Sydney	Lynn Kemp (co-supervisor)	2011
Ben Harris-Roxas*	PhD (UNSW)	Equity focused health impact assessment (EFHIA) and the consideration of equity in policy development and implementation within the health system	Rosemary Knight then Pat Bazely (supervisors) Lynn Kemp (co-supervisor)	June 2011
Sue Kirby*	PhD (UNSW)	Do patient attitudes contribute to frequent admissions?	Sarah Dennis (Supervisor) Mark Harris (co-supervisor)	July 2010
Patricia Knight	PhD (UNSW)	Road safety in rural young males	Mark Harris (co-supervisor)	December 2008
John Kurko	Masters (UNSW)	The efficacy of lifestyle intervention within rural general practice on patient behavioural risk factors.	Mark Harris (supervisor) Gawaine Powell Davies (co-supervisor)	June 2009
Karen Larsen*	Master of Public Health (UNSW)	Urban renewal and public housing: Impacts on public health	Elizabeth Harris (co-supervisor) David Perkins (co-supervisor)	January 2009

NAME	DEGREE	THESIS TITLE	SUPERVISOR	EXPECTED COMPLETION
Rachel Laws*	PhD (UNSW)	Implementation of SNAP interventions in community health services	Mark Harris (supervisor) Lynn Kemp (co-supervisor)	September 2009
Julie McDonald*	PhD (UNSW)	Inter-organisational and inter-professional relationships and their impact on planning and provision of primary diabetes care.	Mark Harris (supervisor) Rohan Jayasuriya (co-supervisor)	June 2011
Suzanne McKenzie*	PhD (UNSW)	Mental health and prevention of cardiovascular disease in general practice- impacts and interactions	Mark Harris (supervisor)	June 2011
Gawaine Powell Davies*	PhD (UNSW)	Integration in primary health care	Lynn Kemp (supervisor) Mark Harris (co-supervisor)	2011
Sue Seldon	PhD (Uni of Sydney)	Primary Health Care in Menindee	David Perkins (co-supervisor)	2008
Tim Shortus	PhD (UNSW)	Shared Decision making in care planning for diabetes	Mark Harris (supervisor) Lynn Kemp (co-supervisor)	July 2008
Jacqueline Tudball*	PhD (UNSW)	Children's experience of self-management of asthma	Lynn Kemp (supervisor) Elizabeth Comino (co-supervisor)	2008
Qing Wan*	PhD (UNSW)	Absolute Cardiovascular Risk in general practice	Mark Harris (supervisor) Nicholas Zwar (co-supervisor)	July 2008
Joel Rhee	PhD (UNSW)	A study of advance care planning in the primary care context	Nicholas Zwar Lynn Kemp	

* CPHCE Staff enrolled in post-graduate study

Undergraduate Students

CPHCE staff members also supervised a number of undergraduate research projects in 2008. These included seven UNSW medical students undertaking Independent Learning Projects (ILPs).

NAME	DEGREE AND PROJECT TYPE	THESIS TITLE	SUPERVISORS	EXPECTED COMPLETION
Halli Kleinig	MB, BS (ILP)	Feasibility of a student assisted health clinic: needs assessment	Mark Harris Anna Whelan	March 2008
Sylvia Ledang	MB, BS (ILP)	Vascular prevention in general practice	Mark Harris Mahnaz Fanaian	March 2008
Isaac Thangasamy	MB, BS (ILP)	Tai Chi for diabetes: mixed-method exploration of patient experience	Nicholas Zwar Sarah Dennis	March 2008
Emily Deck	MB, BS (ILP)	Collaboration between general practice and allied health in rural communities	Julie McDonald Mark Harris	March 2009
Victoria Edwards	MB, BS (ILP)	Involvement of students in preventive health programs		March 2009
Pooja Kadam	MB, BS (ILP)	A scoping study for student involvement in HealthOne sites	Gawaine Powell Davies Mark Harris	March 2009
Jennifer Lim	MB, BS (ILP)	Exercise programs in general practice	Nicholas Zwar Sanjyot Valholgar	March 2009

Partners and Affiliates

Our research is collaborative, and we are fortunate to work with a wide range of individuals and organisations involved in policy development, health service management and clinical practice. Some of our main partners are listed below.

UNSW

- School of Public Health and Community Medicine
- Centre for Clinical Governance
- Faculty of Medicine Lifestyle Clinic
- Faculty of the Built Environment
- Social Policy Research Centre

Health departments

- Australian Government Department of Health and Ageing
- NSW Health

Area health services

- Greater Southern Area Health Service
- Hunter New England Area Health Service
- Sydney South West Area Health Service
- South Eastern Sydney and Illawarra Area Health Service
- Sydney West Area Health Service

Other government departments

- NSW Department of Community Services
- NSW Department of Housing

Local government

- Liverpool Council
- Western Sydney Regional Organisation of Councils

Australian Universities

- Australian Primary Health Care Research Institute, Australian National University
- Broken Hill University Department of Rural Health, University of Sydney
- Charles Sturt University
- Greater Green Triangle University Department of Rural Health, Deakin University
- Macquarie University
- University of Melbourne
- University of Newcastle
- Northern Rivers University Department of Rural Health, University of Sydney
- University of Adelaide
- University of Technology Sydney
- University of Western Sydney
- University of Wollongong

Divisions of General Practice

National

- Australian General Practice Network

NSW

- GP New South Wales
- Bankstown Division of General Practice
- Central Coast Division of General Practice
- Central Sydney GP Network
- GP Network Northside (formerly Hornsby Ku-ring-ai Ryde Division)
- Hunter Rural Division of General Practice
- Illawarra Division of General Practice
- Murrumbidgee\North Western Slopes Division of General Practice
- South Eastern NSW Division of General Practice
- Riverina Division of General Practice & Primary Health Ltd.
- South Eastern Sydney Division of General Practice
- Eastern Sydney Division of General Practice
- Southern Highlands Division of General Practice
- St George Division of General Practice

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- Sutherland Division of General Practice
 - Northern Rivers General Practice Network
 - Dubbo Plains Division of General Practice
 - Macarthur Division of General Practice
 - Fairfield Division of General practice
 - Liverpool Division of General Practice
 - NSW Outback Division of General Practice
 - New England Division of General Practice
 - North West Slopes Division of General Practice
 - Wentwest Ltd

Victoria

- General Practice of Victoria
- Central Highlands Division of General Practice
- Central Bayside Division of General Practice
- Dandenong Division of General Practice
- Eastern Ranges Division of General Practice
- Knox Division of General Practice
- Melbourne Division of General Practice
- North West Melbourne Division of General Practice
- Western Melbourne Division of General Practice
- Whitehorse Division of General Practice

South Australia

- Adelaide Hills Division of General Practice

Western Australia

- GP Coastal Division
- Perth and Hills Division of General Practice

Queensland

- South East Alliance General Practice
- Gold Coast Division of General Practice
- GP Partners

Northern Territory

- Top-End Division of General Practice

General Practice Training Organisations

- Institute for General Practice Education Inc (IGPE)
- Sydney Institute for General Practice Education and Training (SIGPET)
- City Coast Country
- WentWest Ltd

Non government organisations

- Arthritis NSW
- Liverpool Migrant Resource Centre
- National Heart Foundation of Australia
- National Prescribing Service
- Royal Australian College of General Practitioners
- Tharawal Aboriginal Corporation
- Chronic Illness Alliance
- Practice Nurse's Association

International

- National Primary Care Research and Development Centre, University of Manchester, UK
- Health Services Management Centre, University of Birmingham, UK.
- Health Services Research Centre, Victoria University of Wellington, New Zealand
- Thai Healthy Public Policy Foundation, Bangkok
- Thai Health System Research Institute, Bangkok
- Department of Family Medicine, Catholic University of Korea
- University of Ottawa
- University of Western Ontario
- CDC Atlanta
- CDC Chronic Disease Prevention
- WHO Europe (Venice Office)

Staff

In December 2008, 51 staff were employed (36 full time equivalents). Staff who worked at the Centre during 2008 are listed below. Those marked with an asterisk have left the Centre.

TITLE	FIRST NAME	SURNAME	POSITION TITLE
Ms	Waireti	Amai*	Administrative Assistant
Ms	Cheryl	Amoroso*	Research Fellow
Ms	Amanda	Ampt*	Research Associate
Ms	Cheryl Jane	Anderson	Research Officer
Ms	Henna	Aslam*	Research Officer
Ms	Dedra	Barefoot*	Research Evaluation Officer
A/Prof	Pat	Bazeley	Associate Professor
Ms	Pippa	Burns	Research Officer
Ms	Sunshine	Bustamante*	Administrative Assistant
Ms	Fiona	Byrne	Research Assist
Dr	Bibiana	Chan	Research Fellow
Ms	Chih-Ching	Chang	Administrative Assistant
Ms	Bettina	Christl	Research Evaluation Officer
Dr	Elizabeth	Comino	Associate Professor
Dr	Elizabeth	Denney-Wilson	Research Fellow
Dr	Sarah	Dennis	Snr Research Fellow
Dr	Rosslyn	Eames-Brown*	Research Officer
Dr	Mahnaz	Fanaian	Research Fellow
Ms	Sarah	Ford	Finance Manager
Ms	Sharon	Ganzer*	Research Assistant
Mr	Steve	Green*	Research Associate
Ms	Anne	Harley*	Research Associate
Ms	Elizabeth	Harris	Snr Research Fellow
Prof	Mark	Harris	Exec. Director/ Professor of GP
Mr	Patrick	Harris	Research Fellow
Mr	Ben	Harris-Roxas	Research Fellow
Mr	Iqbal	Hasan	Research Officer
Mr	Oshana	Hermiz	Research Officer
Dr	Upali	Jayasinghe	Snr Research Fellow
Ms	Anna	Jones*	Research Associate
Dr	Lynn	Kemp	Snr Research Fellow
Dr	Jenny	Knight	Snr Research Fellow
Ms	Karen	Larsen	Research Officer
Ms	Rachel	Laws	Research Fellow
Dr	Jane	Lloyd	Research Fellow
Dr	Melanie	Marshall	Manager
Ms	Julie	McDonald	Research Fellow
Ms	Suzan	Mehmet	Research Officer
Ms	Danielle	Noorbergen	Research Officer
Ms	Corinne	Op't Hoog*	Research Officer
Dr	Shane	Pascoe	Research Fellow

TITLE	FIRST NAME	SURNAME	POSITION TITLE
Dr	David	Perkins	Snr Research Fellow
A/Prof	Gawaine	Powell Davies	CEO/Associate Professor
Ms	Heidi	Sainsbury	Research Officer
Ms	Sheryl	Scharkie	Research Nurse
Ms	Jacqueline	Schroeder	NSW PHC State Coordinator
Ms	Anita	Schwartz*	Research Officer
Ms	Jane	Taggart	Research Fellow
Ms	Jocelyn	Tan*	Research Officer
Ms	Rachel	Tomlins*	Communication Officer
Dr	Qing	Wan	Research Associate
Ms	Rachel	Ward	Data Manager
Ms	Iris	Warnke	Administrative Assistant
Ms	Vana	Webster	Research Officer
Ms	Anna	Williams	Research Fellow
A/Prof	Marilyn	Wise	Associate Professor

*Staff left centre

Affiliated Staff employed by the School of Public Health and Community Medicine

Barbara Booth	Senior Lecturer
Suzanne McKenzie	Senior Lecturer
Joel Rhee	Lecturer
Nicholas Zwar	Professor, also Director GPU at Fairfield

Staff employed by Sydney South West Area Health Service

Monica Aburto	Data Analyst
Jeremy Bunker	Staff Specialist, Conjoint Lecturer
Sharon Nicholson	Research Officer
Joan Silk	Research Officer
Sanjyot Vagholkar	Staff Specialist, Conjoint Lecturer
Cheryl Woodall	Research Officer
Siggi Zapart	Research Officer
Mary Knopp	Administration Officer

Staff Membership of External Committees

COMMITTEE	NAME
Australian Government Expert Advisory Committee on Population Health	Mark Harris
City Coast Country Ltd (GP) Training Agency Local Advisory Committee	David Perkins
Cancer Institute NSW Oncology General Practice Committee	Gawaine Powell Davies
Community Health Information Strategy Committee	Rachel Laws
Content Review Committee Medical Journal of Australia	Mark Harris
Editorial Board, Australian Family Physician	Nicholas Zwar
Heart Foundation Prevention in Practice Advisory Group	Gawaine Powell Davies Rachel Laws
Institute of General Practice Education Inc. Management board	Nicholas Zwar
International Association for Impact Assessment Publications Committee	Ben Harris-Roxas
International Society for Equity and Health Conference Organising Committee	Lynn Kemp
National Diabetes Data Working Group	Mark Harris
National Heart Foundation Clinical Issues Committee	Mark Harris
National Heart Stroke and Vascular Absolute Risk Group	Mark Harris
National Primary Health Care Strategy External Reference Group	Mark Harris
NSW Families First Research and Evaluation Advisory Committee	Lynn Kemp
NSW Health Child Health and Home Visiting Performance Indicators Development Group	Lynn Kemp
NSW Health Chronic, Aged and Community Health Priority Task Force	Mark Harris
NSW Health Health Impact Assessment Steering Committee	Lynn Kemp
NSW Health Healthy Older People Advisory Committee	Gawaine Powell Davies
NSW Health Hospitalist Steering Committee	David Perkins
Perinatal Health Leadership Group	Lynn Kemp
Pharmaceutical Alliance Diabetes Clinical Advisory Group	Gawaine Powell Davies
Pharmaceutical Health and Rational use of Medicines (PHARM) Committee	Nicholas Zwar
RACGP National Standing Committee Research	Nicholas Zwar
RACGP Quality Committee	Mark Harris
RACGP Red Book Task Force	Mark Harris
Research Advisory Committee, National Prescribing Service	Nicholas Zwar
Coalition of Research into Aboriginal Health	Elizabeth Harris
Executive of Population Health Division, SSWASHS	Elizabeth Harris
Social Policy Research Centre Advisory Committee	Gawaine Powell Davies
Ingham Health Research Institute Scientific Advisory Committee	Lynn Kemp
Expert Review Group on PHC Strategy	Mark Harris
BMC Family Practice (Associate Editor)	Mark Harris
Diabetes Australian NHMRC Diabetes Guideline Advisory Group	Mark Harris
Sydney South West Area Health Service Population Health Division	Liz Harris
Office for Aboriginal and Torres Strait Islander Health (OATSIH) Health@Home-plus National Reference Group	Lynn Kemp

Statement of Financial Performance for the Year Ending 31 December 2008

	2008	2007
	\$	\$
Income		
External Funds	3,452,811	3,709,840
UNSW Contribution - see note (i) & (ii)	315,011	118,750
Total Income	<u>3,767,823</u>	<u>3,828,590</u>
Expenses		
Payroll	3,025,452	2,796,333
Equipment	36,122	32,790
Materials	770,974	881,321
Travel	218,145	259,798
Total Expenses	<u>4,050,693</u>	<u>3,970,242</u>
Operating result (iii)	<u>-282,870</u>	<u>-141,652</u>
Surplus(Deficit) Bfwd from Prior Year	<u>1,173,504</u>	<u>1,315,156</u>
Correction of Prior Year Accumulated Fund (iv)	83,163	0
Adjusted Brought Forward	1,256,667	0
Accumulated Funds Surplus(Deficit)	973,797	1,173,504
Excludes debtors (unpaid invoices) (v)	<u>323,912</u>	<u>632,320</u>

Notes to the Statement of Financial Performance

- i The Centre recognises in-kind contributions provided to it that are not brought to account in the Statement of Financial Performance. These include space occupied at Level 3 Building G27 AGSM, Randwick, infrastructure support provided by the University of New Wales and SPHCM salary support for E Harris & S Dennis.
- ii Faculty of Medicine Fellowship Enhancement Grants for Mark Harris and Lynn Kemp and associated top-ups, Faculty of Medicine top-ups of DoHA Fellowship Grants, Faculty top-ups of NHMRC and AHMAC grants & Faculty payments for supervising ILP students.
- iii Payment of outstanding invoices of \$323,912 (incl of GST) will change Operating Loss to a Profit of \$11595.
- iv Due to changed methods in accounting reporting, the 2007 Accumulated Fund has been adjusted by \$83163.
- v Unpaid invoices include GST.

Publications

Book Chapter

1. Glasgow N, Zwar N, Harris M, Hasan I, Jowsey T. *Australia*. Chapter 8 of Nolte E, Knai C and McKee M (eds) *Managing Chronic Conditions: Experience in eight countries*. European Observatory of Health Systems and Policies Series no. 15, WHO Regional Office for Europe.

Journal Articles

1. Booth B, Snowdon T, Harris M, Tomlins R. *Safety and Quality in Primary Care: The View from General Practice*. Australian Journal of Primary Health. 2008;14(2):19–27.
2. Bunker J, Winstock A, Zwar NA. *Caring for patients with opioid dependence*. Australian Family Physician. January 2008; 37(1/2): 57–60.
3. Chan A, Amoroso C, Harris MF. *New 45–49 year health checks - GP uptake of MBS item 717*. Australian Family Physician. 2008; 37: 765-768.
4. Chong BH, Braithwaite J, Harris MF, Fletcher JP. *Venous Thromboembolism – a major health and financial burden: how can we do better to prevent disease*. Medical Journal of Australia. 2008; 189: 134-5.
5. Comino E, Kemp L. *Research-related activities in community-based child health services*. Journal of Advanced Nursing. 2008; 63(3): 266-275.
6. Dennis SM, Zwar N, Griffiths R, Roland M, Hasan I, Powell Davies G, Harris M. *Chronic disease management in primary care: From evidence to policy*. Medical Journal of Australia. 2008 April 21; 188 (8 Suppl): S53-56.
7. Denney-Wilson E, Campbell KJ. *Eating behaviour and obesity*. British Medical Journal. 2008; 337: a1926.
8. Gattellari M, J Worthington, Zwar N, Middleton S. *Barriers to the Use of Anticoagulation for Nonvalvular Atrial Fibrillation: A Representative Survey of Australian Family Physicians*. Stroke. 2008; 39(1):227-230.
9. Gattellari M, Worthington J, Zwar N. *Warfarin. An Inconvenient Truth*. Stroke. 2009; 40; 5-7. Originally published online 28 Aug 2008.
10. Gregory AT and Zwar NA. *General practice in 2008: a time of metamorphosis* Medical Journal of Australia 2008; 189 (2): 58.

11. Glasgow NJ Marley JE, Kristjanson LK, Donovan JA, Hall SJ, Harris MF, Lyle DM, Kerr EJ, Rayner F. *Bringing evidence to bear on policy processes: the challenge of the Australian Primary Health Care Research Institute*. Medical Journal of Australia. 2008; 188: s46-s49.
12. Hanks H, Harris MF, Veitch C. *Managing Colorectal Cancer: The General Practitioner's Roles*. Australian Journal of Primary Health. 2008; 14: 78-84.
13. Hanks H, Veitch C, Harris MF. *Colorectal cancer management - the role of the GP*. Australian Family Physician 2008; 37(4): 259-261.
14. Hanks, H., Veitch, PC & Harris, M. (2008). *A rural/urban comparison of the roles of the general practitioner in colorectal cancer management*. Australian Journal of Rural Health, 16, 376-382.
15. Harris MF. *Challenges in diabetes management*. Australian Family Physician. 2008; 37: 716-720.
16. Harris MF, Laws R, Amoroso C. *Moving towards a more integrated approach to chronic disease prevention in Australian general practice*. Australian J of Primary Health. 2008; 14: 112-119.
17. Harris MF, Williams A, Dennis S, Zwar N, Powell Davies G. *Chronic disease self-management: implementation with and in Australian general practice*. Medical Journal of Australia. 2008; 189: S17-20.
18. Jayasinghe UW, Proudfoot J, Holton C, Powell Davies G, Amoroso C, Bubner T, Beilby J, Harris MF. *Chronically ill patients' satisfaction with accessibility and patient-centredness*. In J of Quality in Health Care 2008; 20: 105-114
19. Kemp L, Chavez R, Harris-Roxas B, Burton N. *What's in the box? Issues in evaluating interventions to develop strong and open communities*. Community Development Journal. 2008; 43(4):459-469.
20. Kemp L, Harris E, McMahon C, Matthey S, Vimpani G, Anderson T, Schmied V. *Miller Early Childhood Sustained Home-visiting (MECSH) trial: design, method and sample description*. BMC Public Health. (2008) 8:424.
21. Kirby SE, Chong JL, Frances M, Powell Davies G, Perkins DA, Zwar NA and Harris MF. *Sharing or shuffling — realities of chronic disease care in general practice*. Medical Journal of Australia 2008; 189 (2): 77
22. Lam P, Dennis S, Diamond TH, Zwar N. *Improving glycaemic control in type 2 diabetes: The effectiveness of tai chi*. Australian Family Physician. 2008; 37(10): 884-887

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23. Laws R, Williams A, Powell Davies G, Eames-Brown R, Amoroso C and Harris MF on behalf of the Community Health SNAP Project Team. *A Square Peg in a Round Hole? Approaches to incorporating Lifestyle Counselling into Routine Primary Health Care*. Australian Journal of Primary Health. 2008; 14: 101-111.
24. Laws R, Kirby S, Powell Davies PG, Williams A, Jayasinghe U, Amoroso C, Harris MF. "Should I and Can I?" A mixed methods study of clinician beliefs and attitudes in the management of lifestyle risk factors in primary health care. BMC Health Services Research. Feb 2008; 8:44.
25. Lloyd J, Greenfield D, Braithwaite J. Translating sound ideas to successful practices in healthcare organisations: why the socio-political environment deserves more attention. *Asia Pacific Journal of Health Management* 2008; 3:1 p.7-8
26. Lloyd J, Wise M, Weeramanthri T. *Changing shape: workforce and the implementation of Aboriginal health policy*. Australian Health Review. Feb 2008; 32(1): 174-185.
27. Maneze D, Speizer A, Dalton N, Dennis S. *A descriptive study of kava use among Tongan men in Macarthur, Sydney South West*. Australia and New Zealand Public Health. 2008;32: 314-316
28. Marsh H, Jayasinghe U, Bond N. *Improving the Peer-Review Process for Grant Applications: Reliability, validity, bias and generalizability*. American Psychologist. April 2008; 63(3): 160 - 168.
29. Maxwell M, Harris P, Peters S, Thornell M, D'Souza L. *A health impact assessment on the construction phase of a major hospital redevelopment*. Australia Health Review. 2008; 32 (3): 509-519.
30. McDonald J, Harris MF, Cumming J, Powell Davies PG, Burns P. *The implementation and impact of different funding initiatives on access to multidisciplinary primary health care and policy implications*. Medical Journal of Australia. April 2008; 188(8): 69 - 72.
31. Pascoe S, Neal R, Heywood P, Allgar V, Miles J, Stefoski-Mikeljevic J. *Identifying patients with a cancer diagnosis using general practice medical records and Cancer Registry data*. Family Practice. 2008 June;doi:10.1093/fampra/cmn023.
32. Perkins D, Harris MF, Tan J, Christl B, Taggart J, Fanaian M. *Engaging participants in a complex intervention trial in Australian General Practice*. BMC Medical Research Methodology. 2008; 8:55.
33. Powell Davies G, Williams AM, Larsen K, Perkins D, Roland M, Harris M. *Coordinating primary health care: an analysis of the outcomes of a systematic review*. Medical Journal of Australia 2008; 188 (8 Suppl): S65-S68
34. Rhee J, Zwar NA, Vagholkar S, Dennis S, Broadbent A, Mitchell G. *Attitudes and Barriers to Involvement in Palliative Care by Australian Urban General Practitioners*. Journal of Palliative Medicine. 2008; 11(7): 980-985.
35. Taggart J, Wan Q, Harris MF, Powell Davies PG, Ruscoe W, Snow J, Pennock R. *Quality of Diabetes Care: A comparison of division diabetes registers*. Australian Family Physician. June 2008; 37(8):490-492.
36. Tarantola D, Byrnes A, Johnson M, Kemp L, Zwi AB, Gruskin S. *Human rights, health and human development*. Australian Journal of Human Rights. 2008 13(2):1-32.
37. Travaglia J, Lloyd J and Braithwaite J. Another inquiry into public hospitals? *Medical Journal of Australia* 2008 188(8) p. 437
38. Tsang T, Orr R, Lam P, Comino E, Fiatarone Singh M. *Effects of Tai Chi on glucose homeostasis and insulin sensitivity in older adults with type 2 diabetes: a randomised double-blind sham-exercise-controlled trial*. Age and Ageing. 2008; 37(1):64-71.
39. Titmuss AT, Harris E, Comino EJ. *The roles of socioeconomic status and Aboriginality in birth outcomes at an urban hospital*. Medical Journal of Australia. 2008; 189(9): 495-498.
40. Vagholkar S, Ng J, Chan RC, Bunker JM, Zwar NA. *Healthcare workers and immunity to infectious diseases*. Australia and New Zealand Public Health. 2008; 32:367-71
41. van Schayck O, Pinnock H, Ostrem A, Litt J, Tomlins R, Williams S, Buffels J, Giannopoulos D, Henrichsen S, Kaper J, Korzh O, Rodriguez AM, Kawaldip S, Zwar NA, Yaman H. *IPCRG Consensus statement: Tackling the smoking epidemic - practical guidance for primary care*. Primary Care Respiratory Journal. 2008; 17(3): 185-193.
42. Wan Q, Harris MF, Powell-Davies PG et al. *Cardiovascular risk management and its impact in Australian general practice patients with type 2 diabetes in rural and urban areas*. International Journal of Clinical Practice. Jan 2008; 62 (1): 53-58
43. Wan Q, Harris MF, Zwar NA, Vagholkar S. *Sharing risk management: an implementation model for cardiovascular absolute risk assessment and management in Australian general practice*. International Journal of Clinical Practice. 2008; 62(6): 905-911.
44. Wan Q, Taggart J, Harris MF, Jayasinghe UJ, Ruscoe W, Snow J, Powell Davies G. *Investigation of cardiovascular risk factors in type 2 diabetes in a rural Australian Division of General Practice*. Medical Journal of Australia 2008; 189 (2): 86-89
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45. Weller DP, Harris MF. *Cancer care: what role for the general practitioner?* Medical Journal of Australia 2008; 189 (2): 59-60
 46. Zwar NA. *Good warning Vietnam.* Australian Doctor. 2008 (Mar): 37.
 47. Zwar NA. *Breaking the travellers' curse.* Australian Doctor. 2008 (Jun): 35.
 48. Zwar NA. *Mud, sweat and tears.* Australian Doctor. 2008 (Aug): 35.
 49. Zwar NA. *Have a health Hajj.* Australian Doctor. 2008 (Sep): 44.
 50. Zwar NA. *Smoking cessation - What works?* Australian Family Physician. January 2008; 37(1/2): 10-14
 51. Zwar NA, Richmond RL, Harris M. *General practice patients - Their readiness to quit smoking.* Australian Family Physician. January; 37(1/2) 81-83.
 52. Zwar NA, Hasan I, Hermiz O, Vagholkar S, Comino E, Harris MF. *Multidisciplinary care plans and diabetes. Benefits for patients with poor glycaemic control.* Australian Family Physician. 2008; 37: 960-962
 53. Zwar NA, Hermiz O, Hasan I, Comino E, Middleton S, Vagholkar S and Marks G. *A cluster randomised controlled trial of nurse and GP partnership for care of Chronic Obstructive Pulmonary Disease.* BMC Pulmonary Medicine 2008, 8:8 (03 Jun 2008)

Journal Articles in press

1. Anderson A, Proudfoot J, Harris MF. Training of Health Assistants in General Practice. Accepted for publication Australian Family Physician December 2008.
2. Barton C, Proudfoot J, Amoroso C, Ramsay E, Holton C, Bubner T, Harris MF and Beilby J. *Management of asthma in Australian general practice: care is still not in line with clinical practice guidelines.* Primary Care Respiratory J (Accepted May 2008)
3. Proudfoot J, Bubner T, Amoroso C, Swan E, Holton C, Winstanley J, Beilby J, Harris MF. *Chronic care team profile: a brief tool to measure the structure and function of chronic care teams in general practice.* J of Evaluation in Clinical Practice (Accepted July 2008)
4. Chan, B. *Capitalising on the social resources within culturally and linguistically diverse communities for mental health promotion: stories of Australian Chinese people.* Aust J of Primary Care (Accepted Nov 2008)

Conference Presentations

Invited/Keynote

1. Harris E, Harris-Roxas B. *Health Impact Assessment at the Crossroads: Are we ready for the unintended consequences of success?* 10th International Health Impact Assessment Conference. Liverpool, England. 9-10 October 2008.
2. Harris MF. *Lifestyle risk factor management in Australia: International Symposium.* South Korea College of Medicine, the Catholic University of Korea. 18 February 2008.
3. Harris MF. *Lifestyle risk factor management.* Symposium National Health Insurance Corporation of South Korea. Seoul, South Korea. 19 February 2008.
4. Harris MF. *Prevention of Chronic Disease and Primary Care 2001-2008.* Menzies Centre and Australian Health Policy Institute Seminar: New Policy Buzz Words: Prevention and Primary Care. Sydney, NSW. 28 May 2008.
5. Harris MF. *Vision for Primary Health Care Research in 2020.* 2008 General Practice & Primary Health Care Research Conference. Hobart, Tasmania. 4-6 June 2008.
6. Harris MF. *Role of General Practice in public health promotion and chronic disease prevention.* National Public Health Reform Summit. Sydney, NSW. 7th – 8th August, 2008.
7. Harris-Roxas B. *On Learning by Doing: Some lessons from the New South Wales Health Impact Assessment Project.* New Zealand Health Impact Assessment Practitioner Workshop. Christchurch, New Zealand. 9 June 2008.
8. McDonald J. *Primary care partnership models: how do they compare?* The power of partnerships. Working together to create healthier communities. Melbourne, Victoria. 17th-18th November 2008.
9. Zwar N. *Special Interests in General practice: travel medicine.* Invited plenary WONCA Asia Pacific Regional Conference 2008

Proffered

1. Ampt A, Amoroso C, Harris MF, McKenzie S, Rose V, Taggart J. *A qualitative study of general practitioners' decision making in the screening and management of lifestyle risk factors.* General Practice & Primary Health Care Research Conference. Hobart, Tasmania, Australia. 4-6 June 2008.

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2. Ampt A, Harris MF, McKenzie S, Laws R, Williams A. *General practice 45-49 old health checks: How are they used? Do they work?* General Practice & Primary Health Care Research Conference. Hobart, Tasmania, Australia. 4-6 June 2008.
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