
UNSW research centre for primary health care and equity

2006 annual report



UNSW
THE UNIVERSITY OF NEW SOUTH WALES

Acknowledgments

We would like to acknowledge the support of the members of the Management Board, chaired by the Senior Associate Dean, Professor Terry Campbell, in reviewing the performance of the Centre and identifying key strategies to address the challenges faced by CPHCE. The Advisory Committee, chaired by Emeritus Professor Ian Webster, has also played an important role in advising on the strategic directions and opportunities for the Centre in the context of its environment in the health system.

CPHCE gratefully acknowledges the ongoing support of Associate Professor Rosemary Knight, Head of the School of Public Health and Community Medicine. Within UNSW our Centre is closely associated with the School, many of whose staff are also collaborators and co-investigators in research projects and research student supervision.

Our research is conducted in the community and we depend on our partnerships with NSW Health (which provides infrastructure funding) and local health services (Area Health Services, Community Health and Divisions of General Practice), local government and non government organizations. In particular we collaborate with Sydney South West Area Health Service in which CHETRE and the GP Unit are based and the Illawarra Division of General Practice which hosts CEPHRIS. We would like to acknowledge the support that all our partners have offered during 2006.

We gratefully acknowledge support from a Capacity Building Infrastructure Grant from NSW Health, which supports the management and the development of research within the Centre.

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Background

The UNSW Research Centre for Primary Health Care and Equity (CPHCE) was formally established by the UNSW Academic Board in 2005, bringing together four existing research groups within the School of Public Health and Community Medicine at the University of New South Wales:

- The Centre for General Practice Integration Studies (CGPIS)
- The Centre for Health Equity Training, Research and Evaluation (CHETRE)
- The Centre for Equity and Primary Health Research in Illawarra and Shoalhaven (CEPHRIS)
- Researchers in the General Practice Unit at Fairfield Hospital

These groups have worked closely together since 2002 with a shared focus on primary health care and health equity related research.

The long term vision of the Centre is to improve the community's health and wellbeing through a focus on improved primary health care services and development of policies and strategies that address health inequalities and the social determinants of health. CPHCE conducts intervention research that impacts on policy and practice within three broad streams of work:

- Prevention and management of chronic disease
- Primary health care system development
- Understanding and intervening to reduce health inequalities

We are also actively engaged in building capacity for research in primary care within these streams of work. We undertake national, state and local projects. This enables us to address large system issues while at the same time seeing 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.

Professor Mark Harris is the Executive Director. Each of the research groups (CGPIS, CHETRE, CEPHRIS and researchers within the GP Unit) has a Director. The CEO (Gawaine Powell Davies) coordinates the administrative and operational systems across the Centre. During 2006, we employed over 50 staff who worked on 51 research programs or projects.

The Centre is overseen by a Management Board which reviews its operations including its annual report, budget, policies and relationships. The Centre also has an Advisory Committee which provides advice on the direction of research. Within the Faculty of Medicine the Centre is closely affiliated with the School of Public Health and Community Medicine.

Management and Advisory Boards

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 |
| Assoc Prof Gawaine Powell Davies | CEO, Centre for Primary Health Care and Equity and Director, Centre for General Practice Integration Studies |
| Assoc Prof Rosemary Knight | Head, School of Public Health and Community Medicine |
| Professor Bill Randolph | Director, City Futures Research Centre, Faculty of the Built Environment |
| Professor Ilan Katz | Director, Social Policy Research Centre |
| Non-Voting Members: | |
| Ms Sarah Ford (Secretariat) | Finance Manager, CPHCE |

The Management Board met on the 2nd February, 21st July and 27th November in 2006.

Advisory Board

| 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 |
| Professor Mark Harris | Executive Director, UNSW Research Centre for Primary Health Care and Equity |
| Ms Elizabeth Harris | Director, Centre for Health Equity Training Research and Evaluation |
| Professor John Macdonald | Professor of Public Health, University of Western Sydney |
| Dr David Perkins | Director, Centre for Equity and Primary Health Research in the Illawarra and Shoalhaven |
| Assoc Prof Gawaine Powell Davies | CEO, UNSW Research Centre for Primary Health Care and Equity and Director, Centre for General Practice Integration Studies |
| Ms Bronwyn Wilkinson | Community & Extended Care Services, Northern Sydney Area Health Service |
| Ms Marilyn Wise | Director, Australian Centre for Health Promotion, University of Sydney |
| Professor Nick Zwar | Professor of General Practice and Director, General Practice Unit, Sydney South West Area Health Service |
| Assoc Prof Rosemary Knight | Head, School of Public Health and Community Medicine UNSW |
| Ms Karen Edwards | Director of Primary and Community Health Services, Greater Southern Area Health Service |
| Observer Members: | |
| Ms Janet Anderson | Director of Futures Planning, NSW Health |

The Advisory Committee met on the 22nd September in 2006.

Message from the Chair



Terry Campbell

It gives me great pleasure to congratulate the Director and Staff of CPHCE for a wonderful 2006, as detailed in this excellent annual report. It is particularly gratifying to see the work of the Centre rightly recognised by NSW Health in the very tangible form of a Capacity Building Grant of \$495,000 per year for the next three years. This provides the sort of security of infrastructure that we need, in order to continue to build on the successes of the past few years and take our research to the next level.

As outlined in the report, the research work of the Centre is developing around three main "streams", namely the Prevention and Management of Chronic Disease; Primary Health Care System Development; and Understanding and Intervening in Health Inequalities. These are all enormously relevant to the needs of a growing and ageing society and I have no doubt the Centre will continue to demonstrate a significant impact on government policy in these areas in the coming years.

I would like to take this opportunity of acknowledging our Mark Harris himself on two fronts. He has met the challenges of changing attitudes to research activity within UNSW, particularly the growing emphasis on research doctorates for staff appointed at Level B and above, in a very reasoned and sensible way and has developed an excellent transition plan for CPHCE to navigate these new requirements. Developed in cooperation with his senior staff, this plan is an excellent and constructive response and is to be highly commended. Additionally of course, Mark has been successful in obtaining a highly competitive externally-funded Research Fellowship, which is excellent news for the Centre and for which he is to be highly congratulated. This Fellowship allows Mark to spend much more of his time in his research endeavours and for this reason I am extremely grateful to Gawaine Powell Davies for stepping into the management breach so ably in the position of CEO. I look forward to continuing to work both with Mark and Gawaine during what I am sure will be a very successful 2007.

TERRY CAMPBELL AM

Senior Associate Dean, Faculty of Medicine, UNSW

Message from the Chair of the Advisory Committee



Ian Webster

Primary health care is the engine which drives health improvement and health care. It is where people live and work. It starts with children and families. Its informing principle is equity – people being treated equally, as equals, aiming for equality of outcomes and life chances. Each of these themes is the work and contribution of this unique Centre.

When I was a medical student these ideas did not exist; at least they were not formally recognised in anything I was taught or learnt. When I became a medical teacher we started to think this way – but there was no structure or research to shape our ideas. Now this Centre encapsulates all these elements in a manageable structure, engaging a remarkable network of people in the collective effort. I never thought this would be achieved.

To focus down and narrow the research focus on a specific phenomenon or question is the way biomedical advances are made. But in the lived experience of health and social interactions in communities a different set of skills and tolerance of ambiguity are needed. Thus the researchers and teachers in this Centre must be admired for the breadth of their interests, capacities and above all their tenacity in tackling important health and human service issues.

The Advisory Committee is proud of the Centre and its achievements and of the dedicated people who make it happen. On behalf of the Advisory Committee I congratulate the Centre on its achievements and Professor Mark Harris for being awarded the highly competitive national Senior Professorial Fellowship which will enable him to concentrate for a time on his important research interests.

IAN W WEBSTER AO

Emeritus Professor of Public Health and Community Medicine

Message from the Executive Director



The UNSW Research Centre for Primary Health Care and Equity (CPHCE) provides a focus for primary health care and health equity related research, evaluation and development. CPHCE has, in the last 12 months, made important contributions to the field locally, nationally and internationally with research that contributes to the

emerging evidence base for best practice informing both policy makers and practitioners. We have a diverse, enthusiastic and highly skilled staff from many disciplines.

Major achievements in the last 12 months include:

- Attracting more than \$2.8 million dollars in research funding including:
 - \$1.1 million in NHMRC, ARC and other Category 1 funding sources
 - Capacity Building Infrastructure Block Grant (CBIG) funding of \$495,000 per year for the next three years from NSW Health
 - Research capacity building funding of \$446,000 from the Australian Government Department of Health and Ageing through the Primary Health Care Research Evaluation Development Strategy
- Demonstrable impact on government policy and practice including:
 - Policy development (e.g. NSW Health Integrated Primary and Community Care Policy, Australian Better Health Initiative and 45 year Health Check, NSW Health Supporting Families Early Policy)
 - Providing evidence of best practice (SNAP, Diabetes prevention, Child and Family Health Nurse Home Visiting)
 - Providing input into the development of the NSW Health One (Integrated Primary and Community Health Care Centres) program and the work of the Chronic Aged and Primary Health Care Priority Task Force
 - Working with NSW Health to build capacity of Area Health Services and Local Government to undertake Health Impact Assessments

- Development of innovative methodologies and research tools (e.g. Assessment of Capacity for Chronic Disease Management in Primary Care, Shared Decision Making in Care Planning, Equity Focused Health Impact Assessments)
- Establishment of long term partnerships with researchers, policymakers, practitioners, local communities and consumers which have ensured that our work is relevant to policy and practice
- A strong track record of publication in peer reviewed journals (33)
- A growing number of research students (8) and medical students undertaking Honours or Independent Learning Projects (ILP) with the Centre (3)
- Development of research capacity and expertise within the Centre in areas such as multilevel statistics, mixed-method analysis, systematic reviews and instrument development

Developing staff and students

The Centre has established a tradition of providing opportunities for Primary Health Care practitioners, policy makers and students to work in research settings. Regular Staff Development Days provide our staff with the opportunity to develop their skills, discuss key issues and share information. We also hold shorter half-day sessions on specific topics attended by researchers from outside the Centre and have supported staff to undertake PhDs and sponsored staff to attend short courses in developing research proposals, and in mixed methods.

International links

We are developing an international profile through collaborations with overseas researchers and the dissemination of our work on an international stage.

We are building links with a number of research groups internationally, including the Centre for Health Service Management at the University of Birmingham, the National Primary Care Research and Development Centre (NPCRDC) at the University of Manchester and the London School of Hygiene and Tropical Medicine in the UK. We were fortunate to host a visit from Professor Martin Roland

from NPCRDC in 2006. We have also continued to work with our colleagues at the Thai Healthy Public Policy Foundation working on Health Impact Assessment.

We also hosted visits from Dr Jackie Cummings from the Health Services Research Centre, Victoria University of Wellington and from two nurse researchers, Misa Shiomi and Reiko Okamoto, from the Kobe University Graduate School of Medicine in Japan.

We made a number of international presentations in 2006 including at the National Primary Care Research Group Conference (NAPCRAG) in Arizona; The Future of Primary Health Care Conference in Utrecht, Netherlands; 3rd Health Impact Assessment International Workshop in Bangkok, Thailand; 7th International Health Impact Assessment Conference in Cardiff, Wales; International Association for Impact Assessment 26th International Conference in Stavanger, Norway; and the International Society for the Prevention of Child Abuse and Neglect International Conference in York, UK.

Dr David Perkins became an associate editor for the International Journal of Integrated Care based at the University of Utrecht in the Netherlands.

Looking Forward

In 2007 and beyond we will build upon our achievements to date by:

- Further developing our research streams
- Expanding systems to support research across our sites
- Continuing to expand our funding base through a diversity of competitive and other sources and longer term funding for research programs
- Encouraging more exchange visits for visiting scholars with partner institutions and increasing the Centre's international profile
- Supporting the development of staff skills, training and expertise including staff undertaking research degrees in conjunction with their employment
- Supporting and encouraging research students to be attached to the Centre
- Improving further our dissemination of research findings

through the Centre's website, the quality and number of peer reviewed publications and the transfer of our research to policy and practice

- Strengthening our partnerships with health and human services and with health care providers involved in our research



PROFESSOR MARK HARRIS

Executive Director, UNSW Research Centre for Primary Health Care & Equity

Professor of General Practice, School of Public Health & Community Medicine UNSW

Research

Fellowships and Scholarships

| Fellowships | Recipient |
|--|------------------|
| National Health and Medical Research Council Post-Doctorate Fellowship (HERON Project) | Elizabeth Comino |
| Department of Health and Aging Senior Professorial Fellowship | Mark Harris |
| Scholarships | |
| National Health and Medical Research Council PhD Scholarship | Tim Shortus |
| Australian Postgraduate Award Scholarship | Qing Wan |

Research projects and programs

CPHCE research is organised into three streams: prevention and management of chronic disease; understanding and intervening to reduce health inequalities; and primary health care system development. Each of these has a number of sub-programs. An additional underpinning stream of activity is our Research Capacity Building Program, which is funded through the Australian Government Universities Research Capacity Building Program, a key component of the National Primary Health Care Research, Evaluation and Development Strategy (PHCRED).

The following pages provide descriptions of current research projects listed under their respective streams. The research teams include both investigators and research staff. Affiliations are included for those who are not part of CPHCE. The names of the first-named chief investigators are in bold and those of project coordinators are underlined. The rest of the research team are listed in alphabetical order.

Prevention and Management of Chronic Disease



New approaches to preventing and managing chronic disease are being developed, with an increasing emphasis on providing high quality care within primary health care, particularly general practice. Within this stream there are three main programs of work:

- Improving quality of care for chronic disease
- Organising chronic disease management
- Preventing 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 Quality Improvement Project (DDCQIP) and studies of care planning, asthma, Chronic Obstructive Pulmonary Disease (COPD) and cardiovascular disease. This work has informed policies at the national level including the National Integrated Diabetes Program and chronic disease initiatives as well as the Enhanced Primary Care Program and the modification of the Asthma 3+ Visit Program. A key direction for the future has been an increased focus on intervention studies evaluating elements of the Chronic Care Model, especially self management, delivery system design, decision support and information systems.

A cluster randomised controlled trial of nurse and general practitioner partnership for care of COPD (NHMRC)

Research Team: **Nick Zwar**, Oshana Hermiz, Elizabeth Comino, Iqbal Hasan, Guy Marks (Liverpool Hospital), Sandy Middleton (Australian Catholic University), Sanjyot Vagholkar.

This randomised controlled trial evaluates 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.

Systematic review of chronic disease management (APHCRI)

Research Team: **Nick Zwar**, Sarah Dennis, Rhonda Griffiths (University of Western Sydney), Mark Harris, Iqbal Hasan, Gawaine Powell Davies, Martin Roland (National Primary Health Care Research and Development Centre, UK).

This systematic review of literature investigated the impact of chronic disease management in the primary health care sector in Australia and in comparable countries (USA, Canada, United Kingdom, Netherlands, New Zealand), using Wagner's Chronic Care Model as a framework.

Shared decision making in chronic illness care (NHMRC PhD Scholarship)

Research Team: Tim Shortus

Supervisors: **Mark Harris**, Lynn Kemp.

This mixed method study seeks to develop and trial an instrument to measure shared decision making between patients, GPs and other providers in planning the care of patients with diabetes.

Analysis of patterns of diabetes care and their outcomes from Division registers (DoHA)

Research Team: **Mark Harris**, Jane Taggart, Qing Wan, Gawaine Powell Davies.

Division registers provide longitudinal data on the quality of care and health outcomes for patients with diabetes in general practice. The Macarthur and Southern Highlands Division registers have been established for more than 9 years. This project describes the quality of care and health outcomes for patients over a 9 year period.

Further analysis of data from DDCQIP (DoHA)

Research Team: **Mark Harris**, Qing Wan, Gawaine Powell Davies.

This analysis of DDCQIP data to determine absolute risk of patients with diabetes and to compare data for patients in rural and urban areas.

Self management education (Sydney South West Area Health Service)

Research Team: **Mark Harris**, [Anna Williams](#), Shane Pascoe, Nick Zwar.

This follow up evaluation study involved qualitative semi-structured interviews and focus groups with community health clinicians and managers who were involved in the 2005 South West Sydney Chronic Disease Self Management project.

Integrating chronic disease self management into general practice: a scoping paper (DoHA)

Research Team: **Judy Proudfoot** (School of Psychiatry), [Shane Pascoe](#), Mark Harris, Gawaine Powell Davies.

This study focused on the capacity required to support chronic disease self management in general practice, drawing on existing literature and interviews with key informants.

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

Research Team: **Nick Zwar**, [Sarah Dennis](#), Guy Marks (Liverpool Hospital).

This focus group study aims to identify patient attributes likely to influence a GP to make a diagnosis of asthma in adults. Results from the thematic analysis will inform the development of a series of vignettes to be used in a larger survey of GPs.

Scoping paper for evidence based interventions for diabetes (DoHA)

Research Team: **Mark Harris**, [Jane Taggart](#).

This study involved a literature review to determine evidence based interventions for diabetes in primary care and analysis against current policies and programs.

Scoping paper on barriers and enablers to using diabetes care items (DoHA)

Research Team: **David Perkins**, Karen Larsen, Jane Taggart,

The uptake of incentive payments for diabetes care in general practice is quite uneven. This qualitative study investigated the factors influencing their uptake.

COPD Case Finding in Primary Care (UNSW Medicine Faculty Research Grant)

Research Team: **Nick Zwar**, [Jeremy Bunker](#), Sarah Dennis, Guy Marks (Liverpool Hospital), Sanjyot Vagholkar.

This pilot project explores the potential for practice nurses to case find COPD in those at high risk.

DEPATCH: 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), Nick 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, DEPATCH will test an intervention involving decisions support tools, peer educators and specialist telephone support.

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), Dominic Leung (Liverpool Hospital), James Van Gelder (Liverpool Hospital), Glen Salkeld University of Sydney), John Worthington (Liverpool Hospital), Nick Zwar.

Stop-Stroke is a randomized 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.

Organising chronic disease management

The Practice Capacity study was a cross sectional study of the capacity of general practices to provide quality care for patients with chronic disease conducted between 2003 and 2004. The study has 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.

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

Research Investigators: **Mark Harris**, [David Perkins](#), Justin Beilby (Adelaide University), Barbara Booth, Deborah Black (School of Public Health and Community Medicine, UNSW), Sunshine Bustamante, Patrick Crookes (University of Wollongong), Mahnaz Fanaian, Maureen Frances, Matt Hanrahan (Alliance of NSW Divisions), Sue Kirby, Geoffery Meridith (University of New England), Elizabeth Patterson (Griffith University), Gawaine Powell Davies, Judy Proudfoot, Anita Schwartz.

This project began with extensive qualitative studies in general practice including focus groups, stakeholder interviews and practice case studies, 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. Divisions and practices have been recruited in NSW and Victoria.

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

Research Investigators: **Mark Harris**, [Joyce Chong](#), Sunshine Bustamante, Patrick Crookes (University of Wollongong), Mahnaz Fanaian, Maureen Frances, Sue Kirby, David Perkins, Gawaine Powell Davies, Judy Proudfoot (School of Psychiatry), Nick Zwar.

This project evaluates a practice based intervention to improve teamwork in the care of patients with diabetes and cardiovascular disease shared between general practice and other services. A qualitative study will be followed by a quasi experimental study with practices in four Divisions.

Evaluation of health assistants in general practice

Student: [Abby Anderson](#)

Supervisors: **Judy Proudfoot** (School of Psychiatry), Mark Harris.

This a PhD study of a program led by GP Partners (Brisbane North Division) to train and place health assistants in general practice.

Optimising skill-mix in the primary health care workforce for the care of older Australians – a systematic review (APCHRI)

Research Team: **Nick Zwar**, [Sarah Dennis](#), Rhonda Griffiths (University of Western Sydney), Iqbal Hasan, Jenny May (University of Newcastle), David Perkins.

This project will identify the primary care skill mix issues that are important in the long term care of older Australians living in the community.

Organisational change in general practice

Research Student: [Barbara Booth](#),
Supervisors: **Mark Harris**, Nick Zwar.

This is a qualitative study of organizational change related to chronic disease management in general practice.

Preventing chronic disease

Following the Development of the Australian Department of Health and Ageing SNAP Framework, we conducted a successful trial of the Framework 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 are in 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, Mark Harris, Anna Williams.

This project follows on from the general practice SNAP trial, and is testing the use of the SNAP (Smoking, Nutrition, Alcohol, Physical Activity) framework in community health. This involves 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.

Shared Absolute Cardiovascular Risk Assessment in general practice (APA Scholarship, UNSW Medicine Faculty Research Grant)

Research Team: **Mark Harris**, [Qing Wan](#), Terry Campbell (Faculty of Medicine), Sanjyot Vagholkar, Nick Zwar.

This study involves the development and evaluation of a model of shared assessment of absolute cardiovascular risk between GPs and their patients. A qualitative study with nine key informants and two focus groups has been completed and the shared assessment tool has been developed. A pilot study was being conducted in three practices.

Diabetes Prevention (Sax Institute)

Research Team: **Mark Harris**, [Cheryl Amoroso](#), Gaynor Heading (Broken Hill UDRH, Sydney University), Suzanne McKenzie, Ross O'Donoghue (NSW Health), Megan Passey (Northern Rivers UDRH, Sydney University), Gawaine Powell Davies, Qing Wan, Nick Zwar.

This qualitative study explored the barriers and facilitators in prevention of diabetes in general practice for patients with pre-diabetes through interviews and focus groups. This led to the development and evaluation of an intervention to support the screening for and management of pre-diabetes which was piloted in two practices. The study was conducted in St George Division of General Practice.

Lifestyle risk factor management in 45 year health check in general practice (APCHRI)

Research Team: **Mark Harris**, [Cheryl Amoroso](#), Rachel Laws, Gawaine Powell Davies, Anna Williams, Nick Zwar.

This study compares the change in lifestyle behaviour of patients aged 45 to 49 before and after receiving a health check by their GP. The study will also explore the process of this health check including what support general practice and other services require to provide lifestyle intervention for patients. Nine practices in South Eastern Sydney and Central Sydney Divisions of General Practice are involved, recalling patients to attend for a health check. GPs, nurses, and patients will each complete a survey at baseline and 3 months, and GP and nurses will also participate in an interview.

Vascular disease prevention in general practice (NHMRC)¹

Research Team: **Mark Harris**, Cheryl Amoroso, Gaynor Heading (NSW Cancer Institute), 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), Qing Wan.

This is a cluster randomized controlled trial of patient recall for vascular disease prevention in 32 urban and rural practices.

SNAP Decisions: A qualitative study of GPs' decision-making in the screening and management of chronic disease risk factors, smoking, nutrition, alcohol and physical activity (UNSW Medicine Faculty Research Grant)

Research Team: **Cheryl Amoroso**, Mark Harris, Suzanne McKenzie, Vanessa Rose, Jane Taggart.

This qualitative study examines the factors which impact on GPs' decision-making when providing interventions for patients presenting with more than one of the following risk factors: smoking, nutrition, alcohol or physical activity. Through semi-structured interviews with GPs, this study aims to produce a model of the issues at patient, GP, and system level which impact on GPs' decisions.

Other activities

In addition to the activities described above, the CPHCE has also supported a number of practitioner-led chronic disease projects in 2006 through its Research Capacity Building Stream and the Primary Health Care Research Network (PHReNet). Please refer to page 26 for more information.

¹ The project manager for this project has yet to be appointed.

Primary Health Care System Development



Recent national and state initiatives such as the Australian Better Health Initiative and the NSW Integrated Primary and Community Health Policy 2007-2012 highlight the importance of a strong primary health care sector. Integrating care and improving continuity across providers, levels and sectors of health care remain major challenges.

There are three main program areas within this stream:

- Primary Health Care Policy Development
- Improving Integration of Services and Continuity of Care
- Access to primary health care

Primary Health Care Policy Development

Over recent years primary health care has tended to develop separately at Commonwealth and state level. Our past programs have contributed to Commonwealth-driven developments in general practice and reviewed the contributions these have made to comprehensive primary health care. We have also supported the development of the NSW Health Integrated Primary and Community Health Policy 2007-12.

Future work will continue to focus on comprehensive primary health care the policies that are needed to support it, and on better integration between state and Commonwealth funded services.

Identifying and reviewing primary care and community health performance indicators (NSW Health)

Research Team: **Julie McDonald**, Gawaine Powell Davies, Bev Sibthorpe. (APHCRI)

This research was conducted for the National Health Performance Committee. It involved a review of existing national and state level performance indicators for primary health care against a number of frameworks, and made recommendations to guide the further development of national indicators for primary health care.

Systematic review of models of comprehensive primary health care (APHCRI)

Research Team: **Julie McDonald**, Pippa Burns, Jackie Cummings (Health Services Research Centre, Victoria University of Wellington), Mark Harris, Gawaine Powell Davies.

This systematic review examined the impact of system wide initiatives intended to promote access to and delivery of comprehensive primary health care services. It included developments in Australia, New Zealand, the United Kingdom and Canada since 1995.

Evaluation framework for Integrated Primary Health and Community Care Services (NSW Health)

Research Team: **Gawaine Powell Davies**, Anna Williams, Elizabeth Comino.

This project involved developing an evaluation framework for Integrated Primary Health and Community Care services within NSW. The framework is expected to form the basis of a request for tender for this evaluation.

Improving Integration of Services and Continuity of Care

Integration of health services and continuity 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 will focus on strategies for coordination at the micro level (patient and provider), service planning and coordination at district/regional level and models of care for groups who need ongoing care that extends across primary/ secondary and generalist/specialist boundaries.

National Evaluation of the GP Hospital Integration Demonstration Sites Program (DoHA)

Research Team: **Gawaine Powell Davies**, Lesley Hare, David Perkins.

This national evaluation drew together local evaluations of five demonstration programs looking at GP hospital integration in NSW, Queensland the Northern Territory Western Australia and Tasmania. The report identified options for future directions in health service integration.

A framework for strengthening the integration of primary and community health services for small rural/remote communities in the Hunter New England Area Health Service (Hunter New England Area Health Service)

Research Team: **Julie McDonald**, Gawaine Powell Davies.

Following an external evaluation of their Regional Health Services program, the Hunter New England Area Health Services commissioned this review to identify opportunities for improving integration between primary health care services (community health, general practice and Aboriginal health services) for small communities.

Integration, Coordination and Multidisciplinary Care: A Systematic Review (APHCRI)

Research Team: **Gawaine Powell Davies**, [Anna Williams](#), Mark Harris, Karen Larsen, David Perkins, Martin Roland (National Primary Health Care Research and Development Centre, UK).

This review identified the strategies used to improve coordination of patient care, particularly at micro (provider and patient) level, and then assessed the evidence for their effectiveness in terms of health and economic outcomes and patient and provider satisfaction. The review included papers from the US, Canada, UK, New Zealand, the Netherlands and Australia.

What is the place of generalism in mental health care in Australia: a systematic review (APHCRI)

Research Team: **David Perkins**, Mark Harris, Karen Larsen, Helen Lester (National Primary Health Care Research and Development Centre, UK) Julie McDonald, Gawaine Powell Davies, Anna Williams.

This review is analysing evidence about the elements of mental health care best carried out by generalists and the support that this may require, including relationships with

specialist services and providers. It will then review the workforce implications of these arrangements.

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 continuity of patient care throughout the patient journey. This evaluation covers a pilot program introducing this role in four NSW hospitals.

Access to primary health care (NHMRC program grant (HERON))

Research Team: **Elizabeth Comino**, Mark Harris, Gawaine Powell Davies.

This research program aims to increase the use of routine population health data collections for primary health care research. Data sources include population health surveys, administrative data from State and Commonwealth Departments of Health, Child and Family Data from Sydney South West Area Health Service and other research and general practice based data collections.

Using population health surveys to provide information on access to and use of quality primary health care

Research Team: **Elizabeth Comino**, Oshana Hermiz, Jeff Flack (Bankstown Health Service), Elizabeth Harris, Mark Harris, Gawaine Powell Davies.

This research began with creating a conceptual framework based on domains of quality health care and then developed indicators of quality primary health care using type 2 diabetes mellitus an example. These indicators were tested using the ABS 2001 National Health Survey (2001 NHS), New South Wales Health Survey in 2002 and 2003 (NSW HS 2002/3) and AusDiab.

The National Health Survey 2001: usefulness to inform a discussion on access to and use of quality primary health care using type 2 diabetes mellitus as an example

Research Team: **Elizabeth Comino**, Tien Chey (Liverpool Hospital), Elizabeth Harris, Mark Harris, Gawaine Powell Davies, Stephen Lillioja (Liverpool Hospital).

This study explored the utility of the conceptual framework using the National Health Survey 2001 as an example. We describe the prevalence of type 2 diabetes mellitus, indicators of quality primary care and the population factors that are associated with report of quality care of diabetes.

We are currently seeking NHMRC funding to extend this research program to use the 45 and Up cohort and data linkage facilities to examine the relationships among quality primary care, hospitalisation and socio-economic status and remoteness.

Evaluating access to and use of primary health care: what does the 2002/3 NSW Health Survey contribute?

Research Team: **Elizabeth Comino**, Elizabeth Harris, Mark Harris, Oshana Hermiz, Anthony Zwi (School of Public Health and Community Medicine, UNSW).

This study examined the extent to which data collected within the 2002 and 2003 NSW Health Surveys provided information on the patterns of access to and use of quality primary care for participants with type 2 diabetes mellitus. We identified indicators of quality care and described the population characteristics that predicted who these indicators applied to.

Socio-economic determinants of access to and use of primary health care for management of asthma

Research Team: **Elizabeth Comino**, Mark Harris, Guy Marks, Gawaine Powell Davies.

This project considers the use of population health surveys to provide information on management strategies used by people with asthma, and the socio-economic determinants of access to and use of asthma care.

Equity of access to and use of quality primary health care for people with diabetes: a secondary analysis of the AusDiab survey

Research Team: **Elizabeth Comino**, Jeff Flack (Bankstown Hospital), Elizabeth Harris, Mark Harris, Jonathan Shaw (International Diabetes Institute, Melbourne).

The AusDiab survey was the first purpose designed population-based survey of diabetes in Australia. This research is exploring the use of the AusDiab data to provide information on access to and use of quality PHC for diabetes care.

Quality primary care, hospital admission, and socio-economic status and remoteness among older Australians with diabetes

Research Team: **Elizabeth Comino**, Jeff Flack (Bankstown Hospital), Mark Harris, Bin Jalaludin (Sydney South West Area Health Service), Louisa Jorm (Sax Institute), Gawaine Powell Davies, Anne Young (University of Newcastle).

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 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 stream:

- Early childhood
- Disadvantaged communities and populations
- Equity and Healthy Public Policy (including Health Impact Assessment)

Early Childhood

The experience of children in their early years has a strong effect on their 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 contributed to development of the NSW Health Supporting Families Early policy and performance indicators, 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 project) (ARC)

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

This randomised control trial is investigating the impact of a comprehensive sustained professional home visiting program initiated antenatally for at risk mothers in a very disadvantaged community. This study is due for completion in mid-2008, and early 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 (ARC)

Research Team: **Elizabeth Harris**, [Lynn Kemp](#), Teresa Anderson (SSWAHS), Henna Aslam, Sue Dockett (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).

This recently funded study will follow-up the families in the MECSH project, and will determine whether the gains made by children in the MESCH project who have received sustained home visiting from pregnancy to age two, are maintained into the preschool years and the transition to school.

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

Research Team: **Elizabeth Comino**, [Jennifer Knight](#), Cheryl Jane Anderson, Alison Derrett (SSWAHS), Pippa Craig (University of Sydney), Kelly Hampton, Elizabeth Harris, Mark Harris, Richard Henry, Bin Jalaludin (SSWAHS), Jenny McDonald (SSWAHS), Lisa Jackson Pulver, Dennis McDermott, Vicki Wade (SSWAHS), Darryl Wright (Tharawal Aboriginal Corporation).

This study monitors the health and development and health service usage over three years of over 150 Aboriginal babies born at Campbelltown hospital. Funding is being sought to continue monitoring these mothers and their children up to 5 years of age.

Community based child health research in Sydney South West Area Health Service (SSWAHS)

Research Team: **Elizabeth Comino**, Garth Alperstein (SSWAHS), John Eastwood (SSWAHS), Lynn Kemp, Peter Sainsbury (SSWAHS).

Research and related activities including reflective practice, quality improvement, and evaluation are needed in services that work with children and families in community settings, to improve service delivery in early childhood. The aim of this project was to identify such activities in SSWAHS, the opportunities and barriers to developing them and future options for research related activities.

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

Research Team: **Elizabeth Comino**, Garth Alperstein (SSWAHS), Lien Hong Bui (SSWAHS), Trish Clark (SSWAHS), John Eastwood (SSWAHS), Bin Jalaludin (SSWAHS), Lynn Kemp, Diana Kenrick (SSWAHS), Carolyn Woodhouse (SSWAHS), Lis Young (Simpson Centre).

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. Two studies are being undertaken to determine whether the universal home visit is achieving this aim.

Early breastfeeding in Liverpool: the relationship between professional and personal support and breastfeeding intention and behaviour

Research Student: **Beth Kervin**

Supervisors: Lynn Kemp, Lisa Jackson Pulver.

This study explored whether mothers' breastfeeding intentions and behaviours are influenced by personal or professional intervention and support, and assessed professional support for breastfeeding in accordance with the WHO Baby Friendly Hospital Initiative. The research findings identified interventions that may improve breastfeeding rates in south western Sydney, which has some of the lowest breastfeeding rates in NSW.

Developing and validating an instrument to describe the work of early childhood nurse home visitors (Faculty Research Grant)

Research Team: **Lynn Kemp**, Elizabeth Harris, Sue Woolfenden (SSWAHS).

Early childhood interventions provided by nurses have made a significant contribution to the health of mothers and children nationally and internationally. However, little is known about what early childhood nurses actually do when working with families. This study is developing an instrument to describe the work of home visiting child and family health nurses, which can be used to measure their work and contribution to improving maternal and child health.

Evaluation of Midwifery Group Practice (SSWAHS)

Research Team: **Lynn Kemp**, Amanda Kemp, Pat Brodie (SSWAHS), Jennifer Knight.

The provision of maternity care for the women of the Camden district has been the subject of much political, health service and community debate over recent years. The Area Health Service has developed a model of midwifery-led care for Camden women with low-risk pregnancies, implemented in July 2006. This study evaluates this model of care and is the important next step to further development of sustainable maternity services for the people of Camden.

Evaluation of Multicultural Families First (SSWAHS)

Research Team: **Lynn Kemp**, Jennifer Knight.

Providing access to child and family health services for families from culturally and linguistically diverse backgrounds is an ongoing challenge for health services. This evaluation assessed the implementation and outcomes of a multifaceted approach to improve access and outcomes for these families, and made recommendations for improvements to services.

Children's self-management of asthma

Research Student: **Jacqueline Tudball**

Supervisors: Lynn Kemp, Elizabeth Comino.

Little is known about how young children self-manage chronic disease. Education programs for children with chronic disease are often focussed on the parent, and are not informed by the children's perspective. This study

explored children's own understandings of their asthma self-management. Recommendations are being developed for improved health promotion and education strategies.

The Communication and Language Assistance Program reaching at-risk communities (SSWAHS)

Research Team: **Clare Hollings** (SSWAHS), Kate Short (SSWAHS), Lynn Kemp.

The Communication and Language Assistance Program (CLAP) project targets at-risk families, using a capacity building model to provide timely and flexible access to Speech Pathology services for children, parents and carers, and local service providers by working with local playgroups and home visiting. The evaluation is measuring outcomes for children as well as improvements in the reach and relevance of Speech Pathology services.

Transitions of care between midwifery and child and family health services (NSW Nurse and Midwives Board)

Research Team: **Caroline Homer** (University of Technology Sydney), Virginia Schmied (University of Western Sydney), Lynn Kemp, Carolyn Briggs (University of Technology Sydney), Nicky Leap (University of Technology Sydney).

Effective collaboration between midwives and child and family health nurses will maximise the woman's and family's experience and promote equity of access to services. The transition or transfer of care from midwives to child and family health nurses is a critical process. This study in collaboration with University of Technology Sydney, is exploring the relationships between midwifery and child and family health nursing services in NSW and identifying best practice models for continuity of care.

Collaborative joint attention: the impact of early intervention

Research Team: **Kate Short** (SSWAHS), Elisabeth Harrison (Macquarie University), Lynn Kemp.

Collaborative joint attention (CJA) between a mother and her child facilitates effective early language and cognitive development. This study, based on data from the MECOSH trial, measured collaborative joint attention in a standardised play situation, and investigated the impact of the home visiting intervention on frequency and length of CJA.

Integrative review of home visiting literature (NSW Department of Community Services)

Research Team: **Lynn Kemp**, Henna Aslam, Kirk Olsen (University of Western Sydney).

This review was designed to identify which characteristics of home visiting programs have been found to be effective for which groups of clients, using all peer-reviewed published quantitative and qualitative studies evaluating home visiting programs from 1975 to July 2006.

Maternal psychosocial risk factors: improving identification of risk

Research Team: **Katina Kardamanidis**, Lynn Kemp.

In a disadvantaged community, some women may be reluctant to disclose issues to midwives undertaking psychosocial assessment. This study explores the circumstances under which women will disclose personal information, and analyses the relationships between risks to determine ways of improving the assessment process.

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.

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

Research Team: **Elizbeth Harris**, Lynn Kemp and members of 2168 Board.

We have agreed to enter into a research partnership with the Community 2168 Board to continue the evaluation of the Community 2168 Community Regeneration Project. This will involve community surveys of residents and key stakeholders as well as a mapping of community resources and structured community capacity assessments. This partnership builds onto evaluation of multi-sectoral interventions that have been undertaken in the area since 1999.

Locational Disadvantage: Focussing on place to improve health (PHERP)

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, Marilyn Wise (University of Sydney).

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 locationally disadvantaged areas. In Phase 2 specific competencies for working in locationally disadvantaged communities were identified. In Phase 3 a short course was developed to develop these competencies in the workforce. We are now seeking funding to run this short course.

Cognitive Behavioural Therapy (CBT) intervention for people who are working with high need clients

Research Team: **Vanessa Rose**.

This exploratory research project aims to evaluate the impact of a brief CBT course on the levels of stress experienced by local human services workers working with high need clients.

Cognitive Behavioural Therapy (CBT) intervention for people who are unemployed.

Research Team: **Vanessa Rose**, Elizabeth Harris, Bev Johnson (University of Western Sydney), Janette Perz (University of Western Sydney).

Developing over the past decade, this research concerns the impact of 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. The next phase of this research will be evaluating a train the trainers program for 121 Employment.

Equity and Healthy Public Policy (including Health Impact Assessment (HIA))

Healthy public policy seeks to incorporate considerations of health and well-being into government, non-government private sector policies and programs in a systematic and transparent way. To be sustained, such interventions require

there to be a strong orientation towards 'healthy public policy' within health and non-health sectors.

NSW HIA Capacity Building Project

Research Team: **Elizabeth Harris**, **Lynn Kemp**, Patrick Harris, Ben Harris-Roxas, Jenny Hughes (NSW Health).

This project aims to build capacity across the NSW health system to undertake Health Impact Assessments. We are developing an MPH Unit on HIA; training workers from across the health system to undertake HIA; developing and supporting a web-site; working with other government departments and local government to identify how HIA can be incorporated in their planning processes and organising workshops and training opportunities in urban health and development.

Developing a conceptual framework for evaluating the impact and effectiveness of health impact assessment

Research Team: **Ben Harris-Roxas**, Lynn Kemp, Judy Proudfoot, Vanessa Rose.

We are developing a conceptual framework for evaluating the adoption of HIA recommendations and other reported indirect impacts. Demonstrating the effectiveness of decision-making processes themselves is becoming increasingly important given the broader shift towards evidence informed policy and practice. The research involves a multi-stage research design that will identify the key components of impacts and effectiveness of completed HIAs.

Human health and wellbeing in environmental assessment in New South Wales: Auditing health impacts within environmental assessments for major urban development projects

Research Team: **Patrick Harris**, Elizabeth Harris, Ben Harris-Roxas, Lynn Kemp, Susan Thompson.

This research aims to assess how comprehensively health impacts are addressed in Environmental Assessments of 'Major Projects' in NSW. We are developing an audit tool to assess a sample of completed environmental assessments undertaken in NSW between 2006 and 2007. The research will show how far health and well-being have been considered in environmental assessments for major projects.

Development of an International Health Inequity Network with a focus on primary health care (PHC)

Research Team: **Elizabeth Harris**, John Furler (University of Melbourne), Mark Harris, Julie McDonald, Gawaine Powell Davies.

We are working with the International Society in Equity and Health and the North American Primary Care Research Group to establish an international group on addressing health inequalities through PHC. This builds on previous work in Australia through the Health Inequalities Research Collaboration PHC Network.

Primary Health Care Research Capacity Building Stream



Research is essential to guide policy and practice. There is a well recognised need to build capacity for research in primary care. To this end the Australian Government established the Primary Health Care Research, Evaluation and Development Strategy (PHCRED), which is now in its second phase (2006-2009). A key component of the PHCRED Strategy is the University Research Capacity Building Initiative (RCBI). The RCBI provides University Departments of General Practice and Rural Health across Australia with funding to implement a program of research development and training activities for primary care professionals.

The Research Capacity Building Program at CPHCE

The Centre receives funding 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 280 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 RCBP team includes: Professor Nick Zwar who is the Director of the program as a whole; Vanessa Trayor who provides overarching co-ordination and direct support to the South East Sydney node of PHReNet; Suzan Mehmet who administers PHReNet; Sarah Dennis who is our Senior Research Fellow providing mentoring and training in South West Sydney; and Pippa Burns who provides support in the Illawara region.

Key achievements:

Education

- Conducted six Introductory Research Skills workshops (questionnaire design, handling data, qualitative methods, EBM, submission writing, evaluation) attended by a total of 73 participants (Sarah Dennis, Vanessa Traynor, David Perkins)
- Ran four EBP Journal club meetings, attended by a total of 26 participants (Sarah Dennis and Sanjyot Vagholkar)
- Conducted five sessions of our Writing Support Group, attended by a total of 33 participants total (Sarah Dennis)
- Co-convened two state-wide short courses on Research Methods, with a total of 30 participants in each (Vanessa Traynor, Nick Zwar, Sarah Dennis)

Mentoring and supervision:

- Maintained a productive and active research network (PHReNet) with 280 members (across all regions) (Suzan Mehmet, Pippa Burns)
- Awarded \$60,000 worth of funding under the PHReNet Small Research Grants Scheme to support the research of early career researchers
- Provided mentoring and other support to a total of 15 projects, including:
 - Resistant starch the natural weight reducing agent- Judit Gonczi (GP project) (Nick Zwar and Sarah Dennis supervising)
 - Vietnamese Community needs assessment (multicultural/community health) – launched (Sarah Dennis supervising)
 - Tai Chi in Type 2 diabetes - Dr Paul Lam (GP project) (Nick Zwar and Sarah Dennis supervising)

- Mental Health in Chinese Immigrant Patients (GP project) (Elizabeth Comino and Sarah Dennis supervising)
- Kava Use in Tongan Men in Macarthur (community health) (Sarah Dennis supervising)
- Weight management – Dr Daisy Tan (academic GP registrar) (Nick Zwar, Sanjyot Vagholkar and Sarah Dennis supervising)
- Assessment of learning needs of overseas Trained Doctors – Dr Shalini Saxema (Academic GP registrar) (Nick Zwar, Sanjyot Vagholkar and Sarah Dennis supervising)
- Patients views of chronic illness and its care in general practice – Dr Tim Shortus
- GPs views of absolute cardiovascular risk and its role in primary prevention (GP project)
- NSAIDS – Dr Suzi Mikhail (academic GP registrar) (Nick Zwar, Sanjyot Vagholkar and Sarah Dennis supervising)
- One small step – behaviour change and the internet – Dr John Shepherd
- COPD Diagnosis Project – Dr Jeremy Bunker (Nick Zwar, Sanjyot Vagholkar and Sarah Dennis supervising)
- “Polypharmacy and the elderly” Nurse Katrina Stott (Fairfield AHS) (Nick Zwar supervising)
- Capacity building work regarding work on Strokes – Melina Gatellari (Nick Zwar supervising)
- Riverina- Evaluating Patient satisfaction with Overseas Trained Doctors

Dissemination

- Launched the new-look PHReNet website (Suzan Mehmet).
- In collaboration with the Institute of General Practice Education, implemented a new joint Research Seminar Series (Nick Zwar, Sarah Dennis, Suzan Mehmet).
- Supported network members with journal publications (8) and conference presentations (13).

Researcher Development Program

A further component of the capacity building stream is funding for novice/early career researchers to undertake a placement on an existing research project within the Centre. This provides place holders with the opportunity to develop their research skills and understanding within the supportive environment of an experienced team of researchers. The two placeholders in 2006 were Sue Kirby, who has since enrolled in a PhD program with the Centre and Maureen Frances, who also works for the South Eastern Sydney Division of General Practice

Teaching Activities

The Centre contributes to undergraduate and graduate teaching within the Faculty of Medicine at UNSW, as well as occasional teaching for other universities and organizations. Centre staff were involved in teaching for the following courses in 2006:

Undergraduate Medicine at UNSW

■ Society and Health A & B

Elizabeth Harris (Design Group Co-Convenor), Mark Harris (Lecturer)

■ Society and Health

Mark Harris (Lecturer, Design Group Co-convenor, Course Tutor), Jeremy Bunker, Sanjyot Vagholkar, Nick Zwar

Guest Lecturers: Cheryl Amoroso, Henna Aslam, Elizabeth Comino, Elizabeth Harris, Ben Harris-Roxas, Rachel Laws, Gawaine Powell Davies, Vanessa Rose

■ Clinical and Communication Skills

Jeremy Bunker, Sanjyot Vagholkar, Nick Zwar (Hospital-based Tutors)

■ Foundation Course

Mark Harris (Lecturer)

■ General Practice (5th Year)

Jeremy Bunker, Mark Harris, Tim Shortus, Sanjyot Vagholkar, Nick Zwar (Tutors, Examiners)

■ Independent Learning Project – student placement

Lynn Kemp, Mark Harris (Supervisors)

Other Undergraduate Courses at UNSW

■ Healthy Planning (with the Faculty of the Built Environment)

Patrick Harris, Ben Harris-Roxas (Guest Lecturers)

Postgraduate Medicine at UNSW

Master of Public Health Program

a) MPH Electives run through CPHCE

■ Health Inequalities

Elizabeth Harris (Course co-ordinator)

Henna Aslam, Katina Kardamanidis, Patrick Harris, Lynn Kemp, Vanessa Rose

■ Health Impact Assessment

Ben Harris-Roxas (Course co-ordinator)

Elizabeth Harris, Patrick Harris, Lynn Kemp

■ Delivery of Primary Health Services in the Community

Mark Harris, Gawaine Powell Davies (Course Co-ordinators)

Cheryl Amoroso, Joyce Chong, David Perkins

b) Contributions to other MPH Courses

■ Introduction to Public Health

Ben Harris-Roxas, Elizabeth Harris (Guest Lecturers)

■ Community Development

Vanessa Rose (Guest Lecturer)

■ Environmental Health

Ben Harris-Roxas (Guest Lecturer)

Master of Health Service Management

■ Health Services Development and Implementation

Sue Kirby (Course Coordinator)

■ Evaluation and Planned Change

Sue Kirby (Course Coordinator)

Other Graduate Teaching

■ Masters of Public Health, Menzies School of Health Research on Health Policy

David Perkins (Guest Module Leader)

■ 'Writing Better Research Proposals' Department of Rural Health, University of Sydney

David Perkins (Workshop Leader)

Other Teaching

- **Health Impact Assessment Training Course (for NSW Health staff)**

Ben Harris-Roxas (Guest Lecturer)

- **Health Impact Assessment, Population Health Professional Development**

Ben Harris-Roxas (Guest Lecturer)

- **Introduction to HIA [for NSW Health staff]**

Ben Harris-Roxas (Guest Lecturer)

- **Management Development for Senior Managers**

School of Public Health and Community Medicine [*For Senior Managers in the Solomon's Islands Ministry of Health*]

Sue Kirby (Teacher and participant supporter)

- **Literature Searching Workshop for SIGPET**

Sarah Dennis (Occasional Workshop Leader)

CPHCE also provides training through its PHReNet program, listed on page 29.

Research Students

The Centre provides many opportunities for research students. In 2006 a total of 10 PhD students and 2 Masters by Research students were enrolled at the Centre (including a number of CPHCE staff members), supervised by four senior staff members. Topics include cardiovascular risk, diabetes, post-natal depression, road safety and Indigenous child health.

Research Students enrolled at CPHCE

| Name | Degree | Thesis Title | Supervisor | Expected Completion |
|------------------------|--------------------------------|--|--|--|
| Barbara Booth | PhD | Quality improvement in general practice | Mark Harris (Supervisor) Nick Zwar (Co-supervisor) | December 2009 |
| Jill Guthrie | PhD (UNSW) | Potential avoidable Indigenous child admissions to hospital in the ACT: the role of primary health care | Lynn Kemp (Co-supervisor) | December 2007 |
| 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 |
| Karen Larsen* | Master of Public Health (UNSW) | Urban renewal and public housing: Impacts on public health | Elizabeth Harris | January 2009 |
| Rachel Laws* | PhD (UNSW) | Implementation of SNAP interventions in community health services | Mark Harris (Supervisor) Lynn Kemp (Co-supervisor) | 2011 |
| Patricia Knight | PhD | Road safety in rural young males | Mark Harris (Supervisor) Don Iverson (Co-supervisor) | December 2008 |
| Gawaine Powell Davies* | PhD | Integration in primary health care | Mark Harris (Supervisor) Jan Richie (Co supervisor) | July 2009 |
| Melanie Rohn | Master of Public Health (UNSW) | Effects of postnatal depression and socio-economic status on infant cognitive development: Moderating and mediating factors | Lynn Kemp | Completed Thesis passed October 2006 |
| Vanessa Rose* | PhD | Socio-structural determinants of diabetes self-management: test of a self-efficacy model | Mark Harris (Supervisor) Tessa Ho (Co-supervisor) | Submitted |
| Tim Shortus | PhD | 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) | June 2007 |
| Qing Wan* | PhD | Absolute Cardiovascular Risk in general practice | Mark Harris (Supervisor) Nick Zwar (Co-supervisor) | July 2008 |

* CPHCE Staff enrolled in post-graduate study

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 Built Environment
Social Policy Research Centre

Health departments

Australian Government Department of Health and Ageing
NSW Health

Area health services

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

NSW

Alliance of NSW Divisions of General Practice
Bankstown Division of General Practice
Central Coast Division of General Practice
Central Sydney Division of General Practice
Eastern Sydney Division of General Practice
Hornsby Ku-ring-ai Ryde Division
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
Southern Highlands Division of General Practice
St George Division of General Practice
Sutherland Division of General Practice

Victoria

Central Highlands Division of General Practice
General Practice Divisions of Victoria
Eastern Ranges 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

General Practice Training Organisations

Institute for General Practice Education Inc (IGPE)

Sydney Institute for General Practice Education and Training
(SIGPET)

City Coast Country

Went West Ltd

Non government organisations

Arthritis Foundation

Liverpool Migrant Resource Centre

National Heart Foundation

Tharawal Aboriginal Corporation

International

National Primary Care Research and Development Centre,
University of Manchester, UK

Health Services Research Centre, Victoria University of
Wellington, New Zealand

Thai Healthy Public Policy Foundation

Thai Health System Research Institute

Staff



During 2006, CPHCE employed 52 staff members. In December 2006 there were 41 staff making the equivalent of 30.6 FTE positions. This compares to 41 staff members in 27.4 FTE positions in 2005. A number of staff who left the Centre in 2006 were working on short term contracts for specific projects, their work was invaluable in progressing those projects.

| Name | Job Title |
|------------------------|--|
| Cheryl Amoroso | Research Fellow |
| (Cheryl) Jane Anderson | Project Officer |
| Maria Andonopoulos* | Research Assistant |
| Henna Aslam | Research Associate |
| Anne Aylmer | Administrative Assistant |
| Diana Bernard* | Research Assistant |
| Pippa Burns | Project Officer |
| Sunshine Bustamante | Project Administration Assistant |
| Leigh Cantero* | Research Assistant |
| Therese Carroll* | Evaluation Officer |
| Joyce Chong | Research Fellow |
| Elizabeth Comino | Senior Research Fellow |
| Maria De Domenico* | Research Associate |
| Sarah Dennis | Senior Research Fellow |
| Paola Espinel* | Research Assistant |
| Mahnaz Fanaian | Research Fellow/Data Manager |
| Sarah Ford | Administrative Assistant |
| Maureen Frances | Research Associate |
| Linda Greer* | Research Assistant |
| Elizabeth Harris | Director CHETRE, Senior Research Fellow |
| Mark Harris | Professor, Executive Director |
| Patrick Harris | Research Fellow |
| Ben Harris-Roxas | Research Fellow |
| Iqbal Hasan | Project Officer |
| Susie Henke* | Administrative Assistant |
| Oshana Hermiz | Project Officer |
| Upali Jayasinghe | Senior Research Fellow |
| Katina Kardamanidis | Public Health Officer Trainee |
| Amanda Kemp | Data Collector |
| Lynn Kemp | Deputy Director-CHETRE; Senior Research Fellow |
| Sue Kirby | Research Associate |
| Jennifer Knight | Senior Research Fellow |
| Mary Knopp | Administrative Assistant |
| Karen Larsen | Research Assistant |
| Rachel Laws | Project Leader/Research Fellow |

| | |
|--|--|
| Julie McDonald | Research Fellow |
| Suzan Mehmet | Network Administrator/Coordinator |
| Corrine Opt Hoog* | Research Assistant |
| Shane Pascoe | Research Fellow |
| David Perkins | Director CEPHRIS; Senior Research Fellow |
| Gawaine Powell Davies | CEO-CPHCE; Director CGPIS |
| Judy Proudfoot* | Senior Research Fellow |
| Mona Ren* | Administrative Assistant |
| Vanessa Rose | South West Sydney Research Officer |
| Sheryl Scharkie | Research Assistant |
| Anita Schwartz | Intervention Facilitator |
| Peta Sharrock* | Evaluation Officer |
| Jane Taggart | Senior Research Associate |
| Rachel Tomlins | Communications Manager |
| Vanessa Traynor | Program Coordinator |
| Jacqueline Tudball | Research Assistant |
| Pauline Van Dort* | Research Assistant |
| Qing Wan | Research Officer |
| Anna Williams | Research Fellow |
| Chun Yu* | Research Assistant |
| Affiliated Staff employed by the School of Public Health and Community Medicine | |
| Barbara Booth | Senior Lecturer |
| Suzanne McKenzie | Senior Lecturer |
| Nick Zwar | Professor, Director GPU |
| Staff employed by Sydney South West Area Health Service | |
| Jeremy Bunker | Staff Specialist, Conjoint Lecturer |
| Sanjyot Vagholkar | Staff Specialist, Conjoint Lecturer |

* Staff Working for CPHCE in 2006 who have since left

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 |
| Content Review Committee Medical Journal of Australia | Mark Harris |
| Editorial Board, Australian Family Physician | Nick Zwar |
| Illawarra and Shoalhaven Medical Education Program Steering Group | Mark Harris |
| Institute of General Practice Education Inc. Management Committee | Nick 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 Diabetes Improvement Program Committee | Mark Harris |
| National Heart Foundation Clinical Issues Committee | Mark Harris |
| National Heart Stroke and Vascular Review Group | Mark Harris |
| National Integrated Diabetes Program Working Group | Jane Taggart |
| National Vascular Disease Partnership Advisory Group on Absolute Cardiovascular Risk | Mark Harris |
| Nations Diabetes Strategy 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 Health and Rational use of Medicines (PHARM) Committee | Nick Zwar |
| RACGP National Standing Committee Research | Nick Zwar |
| RACGP Quality Committee | Mark Harris |
| RACGP Red Book Task Force | Mark Harris |
| Research Advisory Committee, National Prescribing Service | Nick Zwar |
| Research Advisory Committee, Primary Health Institute | Gawaine Powell Davies |
| Research Committee, School of Public Health and Community Medicine | Gawaine Powell Davies |
| Social Policy Research Centre Advisory Committee | Gawaine Powell Davies |
| South West Sydney Managed Health Networks Consortium | Jane Taggart |
| Sydney South West Area Health Service Research Committee | Lynn Kemp |

Financial Statement

Centre for Primary Health Care

Statement of Financial Performance for the Year Period Ending 31 December 2006 - see note (vi)

| | 2,006 | 2005 (v) |
|--|------------------|-------------|
| | \$ | \$ |
| Income | | |
| External Funds – see note (i) | 3,226,990 | |
| UNSW Contribution – see note (ii) | 80,000 | |
| Total Income | 3,306,990 | |
| Expenses | | |
| Payroll | 2,419,764 | |
| Equipment | 70,827 | |
| Materials | 915,440 | |
| Travel | 238,580 | |
| Total Expenses | 3,644,611 | 0.00 |
| Operating result - (vii) | -337,621 | 0.00 |
| Surplus(Deficit) Bfwd from Prior Year (iii) | 1,652,777 | |
| Accumulated Funds Surplus(Deficit) (v) | 1,315,156 | |
| Excludes debtors (unpaid invoices) (iv) | -496,193 | |

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. This includes space occupied at 1-3 Eurimbla Avenue, Randwick, space occupied at Building R1F 22-32 King Street, Randwick and infrastructure support provided by the University of New South Wales.
- ii Early Career Researcher Grants and Medicine Faculty Grants
- iii Payment of outstanding invoices of \$496,192.91 will change operating loss to a gain for 2006
- iv Unpaid invoices include GST
- v The Accumulated Funds Surplus is balanced by a provision for redundancy payments for existing staff and future expenses to be incurred in finishing existing projects.

Publications

Book Chapters

1. Stoelwinder J, Blandford J, **Perkins D A**. *Towards Integrated Service Delivery Systems*. In: MG Harris and Associates, editor. *Managing Health Services: Concepts and Practice*. 2nd ed. Sydney: Elsevier; 2006.
2. **Harris MF, Penn D, Taggart J, Georgiou A, Burns J, Powell Davies PG**. *Chronic Disease Registers and their Use for Recall and Audit in Primary Health Care*. In: Lazakidou A, editor. *Handbook of Research on Informatics in Healthcare and Biomedicine*: Idea Group Inc; 2006.
3. **Dennis S, Zwar N, Harris MF**, Griffiths R, Roland M, **Hasan I**. Models of chronic disease management in primary care. *General Practice and Primary Health Care Research Conference*. Perth. July 2006
4. Girgis S, **Zwar NA**, Velasco MJ, Ward J. Smoking Cessation for Arabic Speakers (SMOCAS) study. *RACGP 49th Annual Scientific Conference Brisbane*. Brisbane. October 2006
5. **Harris MF, Proudfoot J, Powell Davies PG**. Chronic disease management in Australian general practice: Some elements of the chronic illness model are associated with quality of care. *North American Primary Care Research Group Annual Meeting*. October Arizona, USA. 2006

Conference Presentations

Invited/ Keynote

1. **Harris MF**. Vascular Disease Prevention. *General Practice Conference and Exhibition*. Sydney. May 2006
2. **Harris MF**. Capacity for Care of Patients with Chronic Disease in General Practice. *RACGP (WA) and AAPM (WA) Joint Conference* Perth. June 2006
3. **Harris-Roxas B**. Health Equity and Healthy Public Policy. *3rd Health Impact Assessment International Workshop: Global and Regional Challenges for Healthy Society*. Bangkok, Thailand. July 2006
6. **Harris P, Harris-Roxas B, Kemp L, Harris E**. "Learning by Doing": HIA within a capacity building framework. *7th International Health Impact Assessment Conference*. Cardiff, Wales. September 2006
7. **Harris P**, Hughes J, **Harris-Roxas B**. Resources Required for Health Impact Assessment. *NSW Health Promotion Symposium: Getting Evidence into Practice*. Sydney. June 2006
8. **Harris-Roxas B**. Role of HIA in Healthy Agricultural Development *3rd Health Impact Assessment International Workshop: Global and Regional Challenges for Healthy Society*. Bangkok, Thailand. July 2006

Proffered

1. **Burns P, McDonald J, Powell Davies PG, Harris MF**, Cummings J. System-wide initiatives to improve the access to and delivery of comprehensive primary health across a range of primary health care providers: learnings from the coal face. *General Practice and Primary Health Care Research Conference*. Perth. July 2006
2. **Comino EJ, Knight J, Anderson CA**. Gudaga projects: understanding the health and development of Aboriginal infants in an urban setting. *General Practice and Primary Health Care Research Conference*. Perth. July 2006
9. **Harris-Roxas B**. Incorporating Equity Consideration into Health Impact Assessment: Lessons from Practice *International Society for Equity in Health, 4th International Conference*. Adelaide. September 2006
10. **Harris-Roxas B, Harris P, Hughes J**, Marneros N, **Kemp L, Harris E**. Health Impact Assessment: Making it work in the real world. *Public Health Association Conference*. Sydney. September 2006
11. **Harris-Roxas B, Harris P, Kemp L, Harris E**. Pre-Screening? Developing realistic approaches to the system-wide use of HIA. *International Association for Impact Assessment 26th International Conference: Power, Poverty and Sustainability*. Stavanger, Norway. May 2006

- 12. Kemp L.** Identification of nurse competencies to confidently deliver effective home visiting to families with complex needs. *International Society for the Prevention of Child Abuse and Neglect*. York, UK. September 2006
- 13. Kemp L, Harris E,** McMahon C, Matthey S, Vimpani G, Anderson TM, et al. What are the outcomes of antenatal nurse home visiting? *National Investment for the Early Years (NIFTeY)*. Sydney. February 2006
- 13. Lam P, Zwar NA, Dennis S,** Diamond T. A randomised control trial to assess the effectiveness of Tai Chi for people with type 2 diabetes. *RACGP 49th Annual Scientific Conference Brisbane, 5-8 October 2006*. Brisbane. October 2006
- 14. Larsen K, Perkins DA.** Review of the Far West Mental Health and Counselling 1800 Line. *General Practice and Primary Health Care Conference*. Perth. July 2006
- 15. Laws RA, Powell Davies PG, Williams A.** Putting prevention into practice: Community Health Risk Factor Management Research Project. *General Practice and Primary Health Care Research Conference*. Perth. July 2006
- 16. Laws RA, Powell Davies PG, Williams A, Harris MF.** Building health services' capacity for prevention: Community Health Risk Factor Management Research Project. *NSW Health Promotion Symposium*. Sydney. June 2006
- 17. McDonald JM.** Models of integrated primary and community health service delivery: learning from the evidence. *NSW Health Integrating Primary and Community Health Workshop*. Sydney. November 2006
- 18. McDonald JM, Harris E,** Furler J. Strategies to increase the effectiveness of chronic disease self management programs for minority and disadvantaged populations. *North American Primary Care Research Conference*. Tucson, Arizona, USA. October 2006
- 19. Mehmet S, Dennis D, Traynor V, Zwar NA.** What works, what doesn't and what's next? Membership views from the Primary Health Care Research Network. *General Practice and Primary Health Care Research Conference*. Perth. July 2006
- 20. Mikhail S, Zwar NA, Vagholkar S, Dennis S.** Nonsteroidal anti-inflammatory drugs in general practice- a decision making dilemma. Poster presentation. *RACGP 49th Annual Scientific Conference*. Brisbane. October 2006
- 21. Powell Davies PG, Williams AW, Perkins DP, Larsen K.** Chasing the Rainbow: A systematic review of integration. *General Practice and Primary Care Conference*, Perth July 2006.
- 22. Powell Davies PG, Williams A, Larsen K, Perkins D, Harris MF,** Roland MI. Improving Primary Health Care Integration: results of a systematic review. *The Future of Primary Health Care in Europe*. Utrecht, The Netherlands. October 2006
- 23. Powell Davies PG, Williams A, Perkins D, Larsen K.** Effective strategies for improving primary health care integration in Australia and comparable countries: results of a systematic review. *General Practice and Primary Health Care Research Conference*. Perth. July 2006
- 24. Proudfoot J, Powell Davies PG, The Prac Cap Team.** Practice capacity for chronic disease care. *Health Outcomes Conference*, August 2006.
- 25. Rose VK, Harris MF,** Ho MT. When does good quality GP care impede diabetes self-care in blood glucose testing? *General Practice and Primary Health Care Research Conference*. Perth. July 2006
- 26. Shortus T, McKenzie S, Kemp L, Proudfoot J, Harris MF.** Understanding care planning for people with diabetes. *General Practice and Primary Health Care Research Conference*. Perth. July 2006
- 27. Vagholkar S, Hare L, Hasan I, Zwar NA, Perkins D.** Access to Allied Psychological Services - a comparison of two Division programs. *General Practice and Primary Health Care Research Conference*. Perth. July 2006
- 28. Vagholkar S Wan Q Harris MF, Zwar N.** A patient driven model for cardiovascular risk assessment and management. *RACGP 49th Annual Scientific Convention*. Brisbane. October 2006
- 29. Wan Q Vagholkar S, Zwar N, Harris MF.** A Preliminary Study of Developing a Shared Decision Making Cardiovascular Risk Management Model in General Practice. *National Heart Foundation Annual Conference*. Sydney. March 2006

30. **Zwar NA**. Research ethics - A practical workshop on how to complete a human research ethics application. *RACGP 49th Annual Scientific Conference*. Brisbane. October 2006
31. **Zwar NA, Hasan I, Harris M, Traynor V**. Barriers and facilitators to influenza vaccine among high risk groups aged less than 65 years. *RACGP 49th Annual Scientific Conference*. Brisbane. October 2006
9. **Comino EJ, Hermiz O, Harris MF, Harris E**. Evaluating Access to and use of Primary Health Care: Diabetes-related Case Studies using the 2002/3 NSW Health Survey. *Australian Journal of Primary Health*. 2006 12(3):26-33.
10. Gattellari M, **Zwar NA**, Worthington JM, Middleton S. Barriers to using warfarin in non-valvular atrial fibrillation. *BMJ*. 2006 332(7536):303-4.

Journal Articles

1. **Amoroso C**, Zwi A, Sommerville E, Grove N. Epilepsy and stigma. *Lancet*. 2006 367(9517):1143-4.
2. Barton C, **Proudfoot J, Amoroso C**, Ramsey E, Holton C, Bubner T, et al. Practice capacity is not associated with the provision of guidelines based clinical care for asthma. *Respirology*. 2006 11(Supplement 2):A21.
3. Barton C, **Proudfoot J**, Opolski M, Ramsay E, Bubner T, Harris MF, et al. When do GPs modify the care they provide to patients with chronic illness? *Respirology*. 2006 11(Supplement 2):A20.
4. Baum F, **Harris E**. Equity and social determinants of health. *Health Promotion Journal of Australia*. 2006 December 17(3):163-5
5. Beilby J, Harper C, Holton C, **Proudfoot J, Harris MF**. Uptake of spirometry training by GPs. *Australian Family Physician*. 2006 April 35(4):183-4.
6. Bernard D, Hobbs C, **Powell Davies PG, Harris MF**. Consumer attitudes to general practice intervention for smoking, alcohol, nutrition and physical activity. *Journal of Health Issues*. 2006 86(Autumn):33-66.
7. **Comino EJ, Harris MF, Harris E, Powell Davies PG**, Chey T, Lillioja S. The National Health Survey 2001: usefulness to inform a discussion on access to and use of quality primary health care using type two diabetes mellitus as an example. *Australian Health Review*. 2006 November 30(4):496-506.
8. **Comino EJ, Hermiz O**, Flack J, **Harris E, Powell Davies PG, Harris MF**. Using population health surveys to provide information on access to and use of primary health care. *Australian Health Review*. 2006 30(4):485-95.
11. **Georgiou A**, Burns JR, McKenzie SH, **Penn DL**, Flack J, **Harris MF**. Monitoring change in diabetes care using diabetes registers: experience from Divisions of General Practice. *Australian Family Physician*. 2006 35(1-2):77-80.
12. Gregory AT, Lowy MO, **Zwar NA**. Men's Health and Wellbeing: taking up the challenge in Australia. *Medical Journal of Australia*. 2006 16th October 185(8):411.
13. **Harris MF, Harris E**. Facing the challenges: general practice in 2020. *Medical Journal of Australia*. 2006 185(2):122-4.
14. **Harris MF**, McKenzie SH. Men's health: what's a GP to do? *Medical Journal of Australia*. 2006 185(8):440-4.
15. **Jayasinghe, UW**, Marsh, HW, and Bond N. (2006). A New Reader Trial Approach to Peer Review in Funding Research Grants: An Australian Experiment. *Scientometrics*. 69(3): 591-606
16. **Kemp L**, Eisbacher L, McIntyre L, O'Sullivan K, Taylor J, Clark T, et al. Working in partnership in the antenatal period: What do child and family health nurses do? *Contemporary Nurse*. 2006-7 23(2):312-20.
17. **Kemp LA, Harris E**, Chavez RZ. Knowledge of sudden infant death syndrome prevention strategies in a multi-cultural, disadvantaged community. *Journal of Paediatrics and Child Health*. 2006 42:441-4
18. **Larsen K, Perkins D**. Training doctors in general practices: a review of the literature. *Australian Journal of Rural Health*. 2006 14(5): 173-7.
19. Nathan SA, **Harris E, Kemp LA, Harris-Roxas B**. Health Service staff attitudes to community representatives on committees. *Journal of Health, Organisation and Management*. 2006 20(6):551-9.

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20. Newland J, **Zwar NA**. General practice and the management of chronic conditions. Where to now? *Australian Family Physician*. 2006 35(1):16-9.
21. Newman L, Baum F, **Harris E**. Federal, State and Territory government responses to health inequities determinants of health. *Australian Health Promotion Journal of Australia*. 2006 December 2006 17(3):217-25.
22. Orr R, Tsang T, Lam P, **Comino EJ**, Fiatarone Singh M. A Randomised Controlled Trial of Tai Chi in Older Adults with Type 2 Diabetes: Effect on Balance, Gait, Muscle Power and Contraction Velocity. *Diabetes Care*. 2006 April. 29(9):2120-2122
23. Orr R, Tsang T, Lam P, **Comino EJ**, Singh MJ. Mobility impairment in type 2 diabetes - association with muscle power and effect of Tai Chi intervention. *Diabetes Care*. 2006 29(9):2120-2.
24. **Perkins DA**, Roberts R, Sanders T, Rosen A. The Far West Health Service Mental Health Integration Project: A model for Rural Australia? *Australian Journal of Rural Health*. 2006 14(3):105: 105-10
25. **Powell Davies PG**, Hu W, **Harris E**, **Harris M**, Furler J, **McDonald J**. Developments in Australian general practice 2000-2002: what did these contribute to a well functioning and comprehensive Primary Health Care System. *Australia & New Zealand Health Policy*. 2006 January 3(1).
26. Shakeshaft A, Fawcett J, Mattick RP, Richmond RL, Wodak AD, **Harris MF**, et al. Patient driven computers in primary health care: their use and feasibility. *Health Education*. 2006 106:400-11.
27. Tan D, **Zwar NA**, **Dennis SM**, **Vagholkar SV**. Weight Management in general practice: what do patients want? *Medical Journal of Australia*. 2006 July 185(2):73-5
28. Taylor R, **Jayasinghe UW**, Koelmyer L, Ung O, Boyages J. Reliability and validity of arm volume measurements for assessment of lymphoedema. *Physical Therapy*. 2006 February 86 (2):205-14.
29. **Vagholkar S**, **Hare L**, **Hasan I**, **Zwar NA**, **Perkins DA**. Better access to psychology services in primary mental health care: an evaluation. *Australian Health Review*. 2006;30(2):195-202.
30. **Wan Q**, **Harris MF**, **Jayasinghe UW**, **Flack J**, **Georgiou A**, **Penn DL**, et al. Quality of diabetes care and coronary heart disease absolute risk in patients with type two diabetes mellitus in Australian general practice. *Quality and Safety in Health Care*. 2006;15(2):131-5.
31. **Zwar NA**. Travelling with medicines. *Australian Prescriber*. 2006 June 29(3): 80-82
32. **Zwar NA**. Richmond RL. Role of the general practitioner in smoking cessation. *Drug and Alcohol Review*. 2006 January 25(1):21-6.
33. **Zwar NA**. Weller D, McCloughan, **Traynor V**. Supporting Research in primary health care: are practice-based research networks the missing link? *Medical Journal of Australia*. 2006 July 185(2):110-3.

Reports

UNSW Research Centre for Primary Health Care and Equity Reports

1. Aslam H, Kemp L, Harris E. MECOSH Postnatal Findings: Descriptions and Comparisons
2. **Aslam H, Kemp L, Harris E.** MECOSH Antenatal Findings: Descriptions and Comparisons
3. **De Domenico M, Yu CF, Taggart J, Harris MF, Powell Davies PG.** Barriers and Enablers to the uptake of NIDP Diabetes Service Incentive Payments in General Practice
4. **De Domenico M, Yu CF, Taggart J, Harris MF, Powell Davies PG.** Supporting the National Integrated Diabetes Program in General Practice - Division Activities & Practice Use of Registers.
5. **Harris E, Harris P, Kemp L.** Rapid Equity Focused Health Impact Assessment of the Australia Better Health Initiative: Assessing the NSW components of priorities 1 and 3
6. **Harris P, Harris-Roxas B, Harris E, Kemp L.** Healthy Urban Planning: Recommendations from the New South Wales Health Impact Assessment Project
7. **Hasan I, Vagholkar S, Zwar NA.** Access to Allied Psychological Services Program in the Macarthur Division of General Practice - Evaluation report 2005-06
8. **Hasan I, Vagholkar S, Zwar NA.** Transcultural Access to Allied Health Care Project. An Access to Allied Psychological Services program in the Fairfield Division of General Practice - Evaluation report 2004-06
9. **Knight J, Kemp L.** Our children - Our culture - The SSWAHS Families First Multicultural Project Final Evaluation
10. **McDonald JM, Powell Davies PG.** Identifying and reviewing primary care and community health performance indicators - Mapping project for National Health Performance Committee Sydney
11. **Pascoe S.W., Proudfoot J, Powell Davies PG, Harris M.** Integrating Chronic Disease Self Management into General Practice: A Scoping Paper
12. **Perkins DA.** Practice Based medical student and registrar teaching and supervision
13. **Perkins DA, Powell Davies PG.** A network of general practices to monitor changes in chronic disease care? - Scoping paper for Australian Government Department of Health and Ageing
14. **Powell Davies PG, Harris MF.** Development of the standard national questions and population health estimates to support the implementation of the national performance indicators for Divisions of General Practice
15. **Powell Davies PG, Comino E, Williams AW.** Evaluating the Integrated Primary Health and Community Care Services Program
16. **Powell Davies PG, Harris MF.** Estimates of the population of each Division and state/territory who could benefit from a GP 3 step mental health plan
17. **Powell Davies PG, Harris MF, Perkins D, Roland M, Williams A, Larsen K, et al.** Coordination of care within primary health care and with other sectors: - A Systematic Review Stream 4
18. **Powell Davies PG, Perkins D, Hare L.** GP Hospital Integration Demonstration Sites Program - National Evaluation Report
19. **Taggart J, Harris MF, Powell Davies PG.** Evidence based interventions and National Diabetes Program - Scoping Paper
20. **Wan Q, Taggart J, Harris MF, Powell Davies PG.** A longitudinal analysis of type 2 Divisions diabetes data from the Macarthur Division of General Practice
21. **Wan Q, Taggart J, Powell Davies PG, Harris MF.** A longitudinal analysis of type 2 Diabetes Data from the Southern Highlands Division of General Practice
22. **Williams A, Powell Davies G, Harris MF.** Development of an Evaluation Framework for the "Moving on Program". Arthritis Foundation of NSW
23. **Yu CF, Harris MF, Powell Davies PG, Taggart J, Traynor V, Domenico MD.** National Divisions Diabetes Program Review

- 24. Zwar NA, Hasan I, Harris M.** Barriers & Facilitators to Influenza Vaccination Among High-Risk Groups Aged Less Than 65 Years - Final Report

Other Reports

- 1. McDonald JM, Cumming J, Harris MF, Powell Davies PG.** Systematic Review of comprehensive primary health care models: APHCRI 2006
- 2. Perkins DA, Larsen K, Powell Davies PG, Taggart J.** Practice level barriers and enablers to the uptake of the chronic disease management items and service incentive payments for diabetes - Commissioned scoping paper for Australian Government Department of Health and Ageing 2006
- 3. Zwar NA, Harris MF, Griffiths R, Roland M, Dennis S, Powell Davies PG, et al.** A systematic review of chronic disease management: APHCRI 2006

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Further information about the Centre for Primary Health Care and Equity can be found at www.cphce.unsw.edu.au.