



MELBOURNE SCHOOL OF POPULATION HEALTH

ANNUAL REPORT 2007

FACULTY OF MEDICINE, DENTISTRY AND HEALTH SCIENCES



MELBOURNE SCHOOL OF POPULATION HEALTH ANNUAL REPORT 2007

MSPH SUMMARY REPORT	1
CENTRE FOR MEGA EPIDEMIOLOGY	25
CENTRE FOR HEALTH & SOCIETY	33
KEY CENTRE FOR WOMEN'S HEALTH IN SOCIETY	37
McCAUGHEY CENTRE	47
CENTRE FOR HEALTH POLICY, PROGRAMS & ECONOMICS	61
CENTRE FOR INTERNATIONAL MENTAL HEALTH	79
SEXUAL HEALTH UNIT	83
VACCINE AND IMMUNISATION RESEARCH GROUP	89

MELBOURNE SCHOOL OF POPULATION HEALTH MSPH

SUMMARY REPORT 2007

OVERVIEW

The Melbourne School of Population Health's vision is to inculcate a population health approach in all areas of health care and in the community where opportunities for disease and injury prevention exist.

What is population health?

Population health is an approach to health that aims to improve the health of the entire population and to reduce health inequities among population groups.

The study of population health is focused on understanding health and disease in the community, and on improving health and well-being through priority health approaches addressing the disparities in health status between social groups (*Australian Institute for Health and Welfare*).

OUR MISSION

To conduct and enhance research that addresses issues of population health and health social sciences, and to educate undergraduates and postgraduate students, clinicians, scientists, professionals and public health leaders through the enrichment of our educational programs in public health.

The Melbourne School of Population Health aims to strengthen the understanding, capacity and services of society to meet population health needs and to improve the quality and equity of health care.

The population health approach recognises that health is a capacity or resource rather than a state, a definition which corresponds more to the notion of being able to pursue one's goals, to acquire skills and education and to grow.

This broader notion of health recognises the range of social, economic and physical environmental factors that contribute to health (*Public Health Agency of Canada*).

Message from the Head Of School



**Terry Nolan,
Head of Melbourne School of
Population Health**

2007 proved to be another significant year of developments for the Melbourne School of Population Health. The School has been actively engaged in the development of the Melbourne Model and the University's Growing Esteem Strategy. Our planning day in October focused on the Growing Esteem Strategy and on enhancing its standing in the three inter-related areas – research, learning and teaching and knowledge transfer.

Through these strategies the Melbourne School of Population Health has signalled its commitment to being recognised as a leading centre of public health research and teaching both in Australia and abroad by:

- Maintaining and enhancing our strong emphasis on conducting and publishing world-class research and to enhance our performance and reputation in research training.
- Further developing our program offerings to provide graduate career entry and career development programs

in population health.

- Embedding knowledge transfer in the School's curriculum and research.
- Boosting the links with industry, government and the community – in particular strengthening our reputation by working closely with the Department of Human Services (Victoria), VicHealth and the Commonwealth Department of Health and Ageing.
- Raising the profile and prestige of the Melbourne School of Population Health.
- Increasing the efficiency of the School's administration through academic and IT shared services implementation.
- Further consolidation of planning and budget processes which support the School's strategic direction.

Finally, my thanks to the very dedicated, innovative and hard working staff at the Melbourne School of Population Health. I also wish to acknowledge and thank the many friends of the School of Population Health who have supported and assisted us throughout the year. We hope you will find this report on the activities of the School in 2007 and the profile of its staff of interest.

– **Professor Terry Nolan**

Highlights of 2007

Centre for MEGA Epidemiology

Professor John Hopper was awarded one of nine Australia Fellowships. This prestigious award made to researchers who are leaders in their field, both in Australia and overseas, is a fitting tribute to John's achievements in genetic epidemiology. The award will provide five years of support for John and his research program at \$800,000 per year. Within the Centre for MEGA Epidemiology, and with colleagues at the Cancer Council of Victoria, John leads and contributes to a superb critical mass of world leading expertise of which they are extremely proud.

Key Centre for Women's Health in Society

Interactive Media Awards

Your Sex Health Website (www.yoursexhealth.org) was judged 'Best in Class' in the 2007 Interactive Media Awards for the education category.

The sex education/reproductive health website aimed at adolescents was commissioned by Professor Doreen Rosenthal AO, Director of the Key Centre for Women's Health in Society.

The award's judges included representatives of leading media organisations, such as the New York Times, Time Warner Inc, the Microsoft

Corporation and the Producers Guild of America.

The KCWHS, along with The Royal Women's Hospital, Family Planning Victoria and Women's Health hosted a conference 'Abortion in Victoria – Where are we now? Where do we want to go?'

Speakers considered both the current state-of-play and the future of abortion policy, services and research in Victoria. Many of the key themes that arose during the conference were introduced by Dr Margaret Sparrow, President, Abortion Law Reform Association of New Zealand. Other speakers included Senator Lyn Allison (Leader, Australian Democrats), Dr Jo Wainer, Director, Gender and Medicine Research Unit, Monash University, Professor Jenny Morgan, Faculty of Law, The University of Melbourne, Dr Maggie Kirkman, KCWHS, Dr John Edington, Acting Chief Medical Officer and Director, Intensive Care, Bendigo Hospital, Ms Annarella Hardiman, Manager, Pregnancy Advisory Service, The Women's and Dr Chris Bayly, Associate Director, Women's Services, The Women's.

The speakers identified the strengths and weaknesses of abortion in Victoria, and provided clear direction for the future.

McCaughey Centre

The Honourable Peter Batchelor (Minister for

Community Development) officially launched the McCaughey Centre: VicHealth Centre for the Promotion of Mental Health and Community Wellbeing on Monday 16 July. The launch was attended by the Vice Chancellor, Professor Glyn Davis, the Chief Executive Officer of VicHealth, Mr Todd Harper, the Mayor, City of Port Phillip, Cr Janet Bolitho, the Dean, Faculty of Medicine, Dentistry and Health Sciences, Professor James Angus, and the Centre's patron, Dr Jean McCaughey. The McCaughey Centre has been operating for over 12 months, and Mr Batchelor incorporated the Centre's launch with that of the Community Indicators Victoria (CIV) website. The CIV website, hosted by the McCaughey Centre, uses local community wellbeing indicators to improve citizen engagement, community planning and policy making.

Centre for Health Policy, Programs and Economics

The Centre was officially launched on 12 September by Mr Peter Allen, Under Secretary, Portfolio Services and Strategic Projects Division, Victorian Department of Human Services, together with the Dean of the Faculty of Medicine, Dentistry and Health Sciences, Professor James Angus.

Federation Fellow

Professor David Studdert commenced his Federation Fellowship, jointly sponsored by the Faculties of Law and Medicine, Dentistry and Health Services, early in 2007. David is co-located with the Law School and the Melbourne School of Population Health. He holds the second Federation Fellowship to be awarded to a researcher working in the Melbourne School of Population Health.

His program of work is 'Using law to improve population health and the quality of health care services'.

Professor Studdert aims to build a world-class research capacity in empirical health law at The University of Melbourne and foster innovative scholarship nationally in this area. He aims to address improvements in health care quality, regulation and population health. His research program will combine methods from the social and statistical sciences with traditional legal analysis to explore a set of pressing policy issues at the intersection of legal and health systems in Australia.

Associate Dean (Knowledge Transfer)

Associate Professor John Fitzgerald is a Principal Research Fellow in the Centre for Health and Society and was appointed

the Faculty of Medicine, Dentistry and Health Sciences' Associate Dean for Knowledge Transfer.

Carrick Awards Program – Award for Teaching Excellence

Associate Professors Lynn Gillam and Marilys Guillemin from the Centre for Health and Society were awarded the prestigious Carrick Award for Teaching Excellence. Of the 102 nominations, there were only 24 recipients Australia-wide.

The Australian Awards for University Teaching (AAUT) were established in 1997 by the Australian Government to celebrate and reward excellence in university teaching. Outstanding teaching, whether by individuals or teams, has been recognised each year since, and the achievement celebrated through these awards.

With the formation of the Carrick Institute for Learning and Teaching in Higher Education in 2006, the awards program was expanded to include new elements and thereby allow a wider recognition of a wider range and level of university staff and more diverse contributions to learning and teaching.

Diabetes Vaccine Development Centre

Following an independent administrative review of the Diabetes Vaccine

Development Centre (DVDC), it was recommended that the Centre be relocated to the Garvan Institute of Medical Research, Sydney. The DVDC relocated from April. The Garvan Institute is a member of the St Vincent's and Mater Health Campus and is affiliated with the University of New South Wales and is one of Australia's largest autonomous medical research institutions. With its emphasis on establishing links with hospitals and industry, it was an ideal new location for the DVDC.

Victorian Premier's Award for Medical Research

Winner – Dr Helen Cox

Dr Cox won for her PhD (2006) Dissertation: *Tuberculosis treatment and control in Uzbekistan: DOTS and Drug Resistance*. Dr Cox was enrolled in a PhD through the Melbourne School of Population Health and her work was done with supervision from the Burnet Institute and Australian International Health Institute.

Commended – Dr Robert MacInnis

Dr MacInnis studied the results from the Melbourne Collaborative Cohort Study (which included 41,528 people aged 27 to 75) to see whether certain aspects of body size – particularly fat mass, fat-free mass and waist circumference – were

associated with the risk of developing particular cancers.

Staff Promotions/ Appointments

Professor Elizabeth Waters was appointed as a Professorial Fellow: Public Health and Health Equity with the McCaughey Centre. She holds a Master of Public Health from Monash University (1993) and a DPhil from the University of Oxford (2001).

Professor Waters has attracted over \$14 million in competitive research funding, has published over 100 peer reviewed articles in international journals, 18 book chapters, and has been invited to present 91 national and international keynote presentations. She is on the editorial board of a number of international journals, and regular reviewer for international competitive research funders (NIH, ESRC, MRC, CIHR) and international health research journals.

Members of Liz's team include Dr Elise Davis, Naomi Priest, Lisa Gibbs, Rosie Ashbolt, Karen Block, Andrea Sanigorski, Elisha Griggs, Ana Neumann, Rebecca Armstrog, Jodie Doyle, Lauren Prosser and Lisa Willenberg.

Dr Bill Genat was promoted to Senior Lecturer.

Dr Shyamali Dharmage was promoted to Associate Professor.

2007 School of Population Health Awards

Knowledge Transfer Award – Open Award for Excellence in Knowledge Transfer Achievements

The award was presented to The Community Indicators Victoria project team from the McCaughey Centre: Marnie Badham, Dr Xiaogang Chen, Dr Melanie Davern, Dr Marion Frere, Steve Gelsi, Suzan Ghantous, Lucy Gunn and Sue West. The Community Indicators Victoria (CIV) is a collaborative project with VicHealth hosted by the McCaughey Centre. The purpose of CIV is to support the development and use of local community wellbeing indicators as a basis for informed, engaged and integrated community planning and policy making.

Community wellbeing indicators are statistical tools for translating broad community goals into clear, tangible and commonly understood outcomes for assessing and communicating progress in achieving these goals.

There is a growing recognition of the importance of community wellbeing indicators as an alternative to narrower, primarily economic indicators of progress and wellbeing.

Community wellbeing indicators are:

- Democratic tools for engaging citizens and communities and informed discussions about the issues identified as important by their communities.
- Policy tools, guiding evidence based policy making, planning and action to address the challenges and issues identified as important by local communities.
- Reporting tools for tracking the impact of policy initiatives on the lives of citizens and their

The School Staff Profile			
Staff Numbers (excl casual)	Academic	Professional	Total
School Executive/Administration	1	12	13
Centre for Molecular, Environmental, Genetic & Analytic Epidemiology	24	11	35
Centre for International Mental Health	3	2	5
Centre for Health and Society	21	7	28
Key Centre for Women's Health in Society	21	3	24
Centre for Health Policy, Programs & Economics	15	2	28
Sexual Health Unit	7	2	9
McCaughey Centre	19	3	22
Vaccine & Immunisation Research Group	4	15*	19
TOTAL	113	43	156

* Denotes MCRI employees

School of Population Health Management and Governance

The School's committees are accountable for the implementation of the strategic and operational plans incorporated within the School's management and governance framework and reinforced through the performance development framework.

School of Population Health Principal Committees

Management Resources and Compliance	Chairperson
Executive	Professor Terry Nolan
Strategic Planning	Professor Terry Nolan
Growing Esteem Implementation	Professor Ian Anderson
Finance and Resources	Professor Terry Nolan
Information Technology	Professor Dallas English
School Managers	Leanne Taylor
EHS	Professor Terry Nolan / Leanne Taylor
Academic	Chairperson
Higher Degree Research	Associate Professor Jane Fisher
Postgraduate Studies	Dr Catherine Bennett
Undergraduate Studies	Associate Professor Marilys Guillemin
Research	Professor John Hopper
Health Ethics Advisory Group	Professor Doreen Rosenthal

communities and of communicating progress towards agreed goals.

The establishment of CIV as a platform for a sustainable, state-wide system of local community wellbeing indicators strengthens the capacity of local governments and local communities to:

- Identify and track local, social, economic and environmental trends.
- Develop, implement and evaluate strategies to improve local community wellbeing, health and sustainability outcomes.
- Undertake outcome focused community planning and priority setting.
- Develop and implement citizen engagement and community strengthening strategies.
- Support the development of national and international policy research programs on the development and use of community wellbeing indicators.

Award for Excellence in Academic Administration

Judi Maskiell was awarded the inaugural professional staff Academic Excellence Award in recognition for her work as the coordinator for:

- The Australian Colorectal Cancer Family Study.
- The Breast Cancer Family Study.
- The Australian Melanoma Family Study.
- The Paediatric Cancer Family Study.

Because of the large size of these studies, their familial nature and because they are investigating both environmental and genetic causes for disease, they are extremely complex and require specialist coordination skills. The academic administration of all these studies has enabled the research to progress and build data that lead to successful applications for future funding.

MSPH Teaching and Learning Excellence Awards

The Teaching Excellence Award (Open Award) was awarded to Catherine Bennett, Shyamali Dharmage, Lyle Gurrin, Jane Hocking and Julie Simpson for their work in the Integrated Teaching in Epidemiology: The review and redevelopment of the MSPH core Masters-level Epidemiological teaching program, 2005-2006. The award was given to recognise the unifying approaches used to develop an integrated core epidemiological program for the MSPH Masters programs in Epidemiology. The program was reviewed and the course structure redeveloped in 2005, and launched in 2006. This creative curriculum work involved:

- Engaging external stakeholders through the establishment of a learning and teaching advisory committee in the development and subsequent delivery of the new curriculum.

- Applying a novel curriculum matrix approach to preparation and communication of subject level curricula to maintain oversight of the curriculum, and to ensure the development of a cohesive curriculum at program level.
- Development of innovative interdisciplinary teaching strategies to foster development of fully integrated epidemiological and statistical theory and skills in graduates, including creating fully integrated epidemiology and statistics introductory subjects, contextualised real-world assessment tasks, and a capstone coursework subject to reinforce the development and practice of interdisciplinary skill sets.

The MSPH program receives supportive funding from the Australian Government through the Public Health Education and Research Program (PHERP) targeted at building capacity within the Public Health workforce nationally. In particular, there is a recognised shortfall in strong analytic skill, and higher-end theory and research skill mastery in biostatistics and Epidemiology within the public health workforce.

The process to review, rebuild and accommodate transition to the new teaching program was challenging.

MSPH Research Excellence Awards

Associate Professor Shyamali Dharmage was awarded the School Research Award for Career Development or New Researcher Award (within seven years of completion of a doctorate or seven since commencing a research program).

Shyamali has established a major research program in allergy and respiratory disease within the Centre for MEGA Epidemiology. She

has taken existing cohort studies and revitalised them to create exciting new opportunities for her large research team of postdoctoral and PhD researchers. Substantial competitive grant funding and an invitation to speak at a major international meeting are indicative of the quality of work being done on these studies. The type of research that she is doing, combining life course epidemiology with studies of biological markers and of genetics is at the leading edge internationally and promises much in helping to understand and ultimately control these important diseases.

The Head of School Award for PhD Excellence (for those who were awarded their PhD in the previous year) was shared by Karin Hammarberg (KCWHS), Robert MacInnis (MEGA) and Nichole Lister (SHU).

Robert MacInnes's thesis was entitled 'A prospective study of body size and composition and the risk of cancer'.

As a result of the research reported in Robert's PhD thesis, The Cancer Council Victoria commenced a media campaign in May 2007 to raise awareness of the link between waist circumference and the risk of cancer. This represents a major change in practice for The Cancer Council, which previously had concentrated on sun protection and smoking in its public campaigns.

Nichole Lister's PhD thesis was entitled 'Screening men who have sex with men for gonorrhoea and chlamydia'. The research and continuing activities (outreach clinics for men who have sex with men and sexually transmitted infection screening according to national guidelines) have contributed to the detection and treatment of *Neisseria gonorrhoeae* and *Chlamydia trachomatis* (*Ng/Ct*) among men who have sex with men. Outreach clinics in

sex-on-premise-venues resulted in detection of infection in men who may not have otherwise been tested. A high prevalence of *Ng/Ct* infection was detected, in particular asymptomatic infection.

It is likely that this research has the potential to impact on HIV transmission or acquisition: by detection of HIV among men who have sex with men in outreach clinics, and detection and treatment of *Ng/Ct* which can facilitate HIV transmission or acquisition.

The research and continuing outreach clinics in sex-on-the-premise-venues have contributed to increased access to care for men who have sex with men who are possibly at immediate risk of STI/HIV transmission or acquisition.

Karin Hammarberg's PhD thesis was entitled 'The experience of birth and early mothering after assisted conception'. The study was a prospective longitudinal study of a consecutively recruited cohort (n=181) of women who had conceived with assisted reproductive technology. The main findings were that compared with women who conceive spontaneously women who conceive with ART are more anxious about caring for the baby when leaving hospital after the birth, less likely to breastfeed their baby at three months and have a three-fold risk of early parenting difficulties necessitating admission to residential early parenting centres in the first 18 months of the baby's life.

One in six Australian couples suffers infertility and increasingly couples seek medical assistance to have a family. In 2002, 7000 babies were born as a result of assisted reproductive technology and this increased to almost 10,000 in 2006, representing 4% of all births.

Learning and Teaching

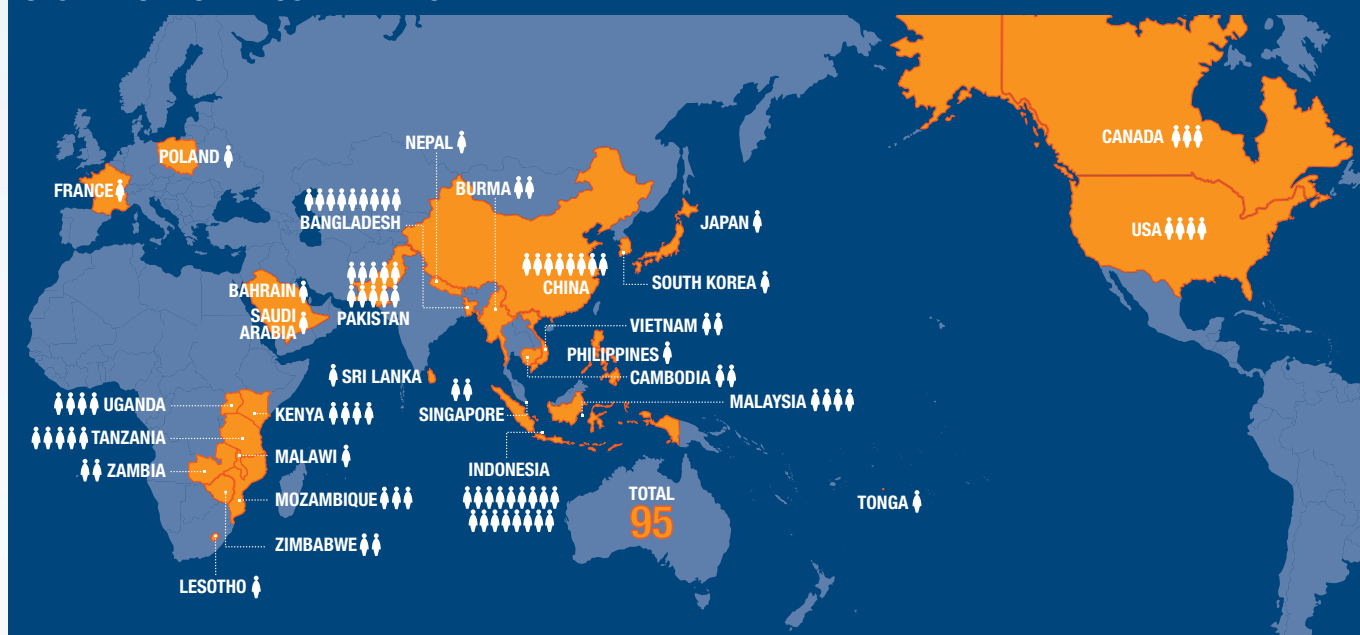
Enrolments 2001 – 2007

From second semester 2007 there were 332 continuing students within the MSPH postgraduate coursework programs and 90 research higher degree students.

ENR = Enrolments
SL = Effective Fulltime Student Load
Shaded cells represent programs that are no longer offered.

PhD	2001		2002		2003		2004		2005		2006		2007	
	ENR	SL	ENR	SL	ENR	SL	ENR	SL	ENR	SL	ENR	SL	ENR	SL
Public Health	8		63		80		92		86	77	79		84	
DPubHlth	3	1.8	6	4.9	7	4.6	7	4.1	4	4	5		2	2.38
RESEARCH														
MPubHlth					2	1.0	4	3.5	4	3	4		2	1.86
MSocHlth					2	2.0	4	3.9	5	2	2		1	.46
MWomensHlth	4	4.0	3	1.8	2	1.0	3	2.0	5	5	9		1	1
COURSEWORK														
MBioStat			10	3.6	16	5.3	20	6.0	29	31	26		22	6
MEpid	7	3.3	11	7.3	4	2.5	5	2.1	4	19	19		26	11.75
MHlthEth	5	3.1	6	2.7	2	0.9								
MIMH					11	11.0	3	3.1	4	5	2		2	3
MMedAnthr	4	1.7	4	1.2										
MPubHlth	74	44.5	85	50.1	118	60.4	125	63.6	169	202	192		199	109.5
MSocHlth					10	4.7	17	8.4	28	37	30		25	10.2
Mmed(Women's Health)							2	0.5	1	2	-			1
MWomensHealth	5	2.0	7	3.6	11	5.4	13	9.1	8	11	10		10	6.25
PGDIP														
GDipHlthCareHist	3	1.3	2	0.5	1	0.4	1	0.3						
GDipHlthEth	2	0.6	2	0.8	1	0.6								
GDipHlthProm	2	1.0	3	1.8	1	0.5								
GDipMedAnthr	1	0.4	2	1.3										
GDipSocHlth					11	4.9	16	5.5	12	10	8		7	1.74
PGDipBio							10	3.4	17	25	23		25	6.5
⌘GDipBio			3	0.8	5	1.8	2	0.5						
PGDipEpid							9	5.1	19	12	7			
⌘GDipEpid&Bio	42	21.2	41	21.0	27	12.0	8	3.4						
PGDipWH							3	1.9	6	3	3		1	.25
⌘GDipWomHlth	15	5.9	16	5.6	3	1.5								
PGCERT														
GCertHlthServ Rsrch&Eval	9	2.0	12	2.9	10	1.6	4	0.6	2					
PGCertBio							7	2.0	7	8	6		6	1
⌘GCertBio			2	0.5		0.6								
PGCertPubHlth (SexHlth)							22	6.5	22	26	14		9	2.25

STUDENTS FROM AROUND THE WORLD



International students show School's global reach

Graduations of international students at the Melbourne School of Population Health continued to rise in 2007, along with applications for 2008, reflecting the School's strengthening global reputation as a public health training and research institution.

In 2007 there were 370 postgraduate students actively enrolled in coursework programs with the School, and 77 of these were international coursework students. There were also 18 international research higher degree students. There were 44 new international students joining MSPH programs in 2007 alone, and 35 of these were commencing in the School's flagship program, the Master of Public Health.

Between 2005 and 2007, the number of graduates of the Master of Public Health program grew from 32 to 65 and also doubled in the recently restructured Master of Epidemiology and Master of Women's Health programs.

Dr Catherine Bennett, the School's Post-graduate Coursework Coordinator, says the Master of Epidemiology had been rebuilt to meet the needs of the many international applicants who were eligible for direct entry to a Masters because they had medical training, an MPH and/or substantial experience. "It allowed us to establish a new epidemiology program to give them access to a one-year intensive training program that gives them the full core skills they need in epidemiology."

Dr Bennett says that the range of disciplines and expertise offered, the

flexibility to accommodate the needs of individual students from all over the world, and its evolving response to the demands of changing global conditions are "standout features" of the School's postgraduate offerings. "We have a comprehensive program that allows people to select or build a degree tailored to their own needs," she says.

Examples of the School's responsiveness to real-world demands included projects with a large tertiary hospital that required students to evaluate how data was collected and reported around patient outcomes and services. For international students, projects can be set up to develop protocols for a major intervention based in the student's own country, with the ultimate aim of preparing the student to return to work as a public health practitioner.

Internationally, the skill capacities that were increasingly in demand included program evaluation. "Many international donor funds have introduced requirements for program evaluation to be built in to intervention programs. They are looking for the best return on the international aid dollars," Dr Bennett says. "And we have a strong program for that within our Masters of Public Health."

Students of the Master in Public Health program also benefit from the School's special partnership with the Nossal Institute for Global Health. "This allows us to offer subjects that are taught by staff who are fully experienced in working in resource-poor settings," she says. "Students take the core

skills they build in the mainstream program and add on those special skills and understandings that you need to work in an international setting, which gives local students both a good strong skill base and international students relevant, transferable skills they can take back with them. That's quite critical."

Ms Nurulwahida Saad is a Malaysian academic whose international experience includes studying in London. At the Melbourne School of Population Health she completed the Master of Epidemiology in 2007, before returning to be promoted as a lecturer at the International Islamic University of Malaysia Kuantan, Pahang.

Ms Saad says the School was welcoming towards international students, and the mixture of students sharing their respective experiences on topics created a "cross-borders communication" that brought issues alive. Infectious disease epidemiology provided a broad view of infectious disease management utilising case studies, some of which were provided by the international students. "So although challenging it was very interesting and much more than any textbook could provide," she says.

"The course helped develop organisational skills and team-working skills essential in epidemiology and we could do this through the many simulations of public health decision-making."

Ms Saad says that if she later wants to move into research, the Master of Epidemiology has equipped her to make that transition.

Quality of Teaching and Learning

MSPH has continued to maintain excellent teaching evaluations in 2007. All 27 Semester 1 subjects evaluated were rated as well taught, 13 of these were rated as very well taught (scoring an average of

4 or more out of a possible 5), with 13 rated as exceptionally well taught (scoring 4.5 or higher). The responses to satisfaction with the quality of the learning experience indicated that 24 subjects were ranked as providing a quality learning experience – that is

(scoring an average of 4 or more out of a possible 5).

These results were supported by an even better performance in Semester 2. Of the 38 subjects, 12 subjects rated as well taught and 17 as very well taught. The responses to the

satisfaction with the quality of the learning experience were that 30 subjects were ranked as providing a quality learning experience.

Once again, our student evaluations were well above both the Faculty and University averages.

Semester One Evaluations

The evaluation focussed on two main areas as shown below.

Subject Title	Question 2: "This subject was well taught." (score range 1-5)		Question 9: "Overall I was satisfied with the quality of the learning experience in the subject." (score range 1-5)	
	Students Enrolled	Mean	Students Enrolled	Mean
Health, Ethics & Society	20	4.8	20	4.9
Key Perspectives in Medical Anthropology	8	4.4	8	4.4
Health Program Evaluation 1	28	4.4	28	4.3
Health Services Research 1	6	4.2	6	4.2
Database Systems in Epidemiology Studies	12	4.1	12	4.1
Critical Perspectives in Women's Health	9	4.6	9	4.9
Control of Sexually Transmissible Infections (Int)	13	4.9	13	4.8
Control of Sexually Transmissible Infections (Ext)	9	3.8	9	4.0
Sexually Transmissible Infections	7	4.0	7	5.0
Sexually Transmissible Infections	7	4.5	7	4.5
Koori Health: Past to Present	14	4.8	14	4.8
Policy Processes in Aboriginal Health	7	5.0	7	4.8
Principles of Women's Health	12	4.1	12	4.1
Women and Communicable Diseases	8	3.4	8	3.0
Women's Mental Health and Wellbeing	4	5.0	4	5.0
International Adolescent Health	27	4.7	27	4.7
Economic Evaluation 1	19	4.1	19	4.3
Health Economics 1	13	4.1	13	4.2
Principles of Research Design	22	4.9	22	4.9
Research Methods in Social Health	15	5.0	15	5.0
Infectious Disease Epidemiology	43	4.7	43	4.6
Research Project Development	8	4.8	8	4.6
Primary Health Care (Jamkhed, India)	9	3.8	9	4.0
Epidemiology & Analytic Methods 1	20	4.3	20	4.0
Epidemiology & Analytic Methods 2	19	4.1	19	3.8
Study Design in Epidemiology	29	4.1	29	3.9
Women's Health Policy and Program Design	4	4.7	4	4.7

Semester Two Evaluations

The evaluation focussed on two main areas as shown below.

Subject Title	Question 2: "This subject was well taught." (score range 1-5)		Question 9: "Overall I was satisfied with the quality of the learning experience in the subject." (score range 1-5)	
	Students Enrolled	Mean	Students Enrolled	Mean
Culture, Health & Illness	10	4.2	10	3.8
Bioethics: The Fundamental Debates	13	4.8	13	4.7
Key Concepts in Social Health	15	3.9	15	4.1
Methods for Evaluating Health Services 1	17	3.5	17	3.5
Women's Sexual & Reproductive Rights	14	4.6	14	4.6
Research Methodology in Women's Health	15	4.3	15	4.3
Women and Global Health	14	4.1	14	4.2
Sexual and Reproductive Health (Distance)	17	4.3	17	4.9
Sexual and Reproductive Health (Classroom)	10	4.8	10	4.9
Critical Debates in Aboriginal Health	6	4.8	6	5.0
Community: Theory and Practice	4	4.8	4	4.8
Sexual Function and Dysfunction	4	4.5	4	4.5
Gender and Health Inequalities	7	4.7	7	4.8
Australian Health Systems	15	4.6	15	4.6
International Child Health	31	4.7	31	4.6
Disability in Developing Countries	15	4.8	15	4.7
Health Program Evaluation 2	17	4.4	17	4.5
Research Project in Health Program Evaln (Part 2)	5	2.0	5	2.0
Research Project in Health Economics (Part 2)	5	3.5	5	3.0
Global Mental Health Development#	9	4.3	9	4.4
Mental Health Policy Development#	10	4.6	10	4.7
Mental Health Services Design#	5	4.0	5	3.8
Research: Methods, Ethics and Uses#	5	4.3	5	4.5
Research Project in Social Health	4	5.0	4	5.0
Research Project in Epidemiology/Biostats (Part 2)	10	3.4	10	3.6
Genetic Epidemiology (Classroom)	11	4.8	11	4.8
Genetic Epidemiology (Distance)	5	4.0	5	4.0
Research Project - Master of Epidemiology (Part 2)	4	3.0	4	3.0
Infectious Diseases Epi - Special Topics	12	3.9	12	4.0
Research Project in Women's Health (Part 2)	6	3.5	6	4.5
Women's Health Promotion and Evaluation	10	4.3	10	4.3
Harm Reduction - HIV in Drug Users	18	4.7	18	4.8
Global Health Impacts of Drug Use	7	4.7	7	5.0
Using Evaluation in Program Design	18	4.5	18	4.5
Linear & Logistic Regression	22	3.5	22	3.4
Survival Analysis & Regression for Rates	19	4.2	19	4.0
Epidemiology in Practice	17	4.3	17	4.2

Learning and teaching programs

Postgraduate

The School's postgraduate coursework programs continued to grow and evolve. The School welcomes student feedback and actively seeks input from industry partners, community representatives and future employers of our graduates in order to shape program development. Recent changes included the continued roll out of the new epidemiology program for the Master of Epidemiology and Master of Public Health and the introduction of the revised Women's Health curricula for the Postgraduate Diploma and the Master of Women's Health and the Master of Public Health.

Following the success of the Postgraduate Diploma of Public Health (Sexual Health), and the uptake of sexual health electives in the MPH, the School is working towards the development of a sexual health stream within the MPH, including the option of taking a research project in this area.

Add to this the ongoing redevelopment of existing subjects and the introduction of new and already well subscribed subjects (eg Australian Healthcare Systems), it is clear that teaching development is dynamic in the School. This program of review and re-development and our standing as a quality provider of postgraduate public health education means the School's programs sit well with the

Melbourne Model and that the School is prepared for the University-wide review of postgraduate programs that will commence in 2008.

E-Community of Practice

The E-Community of Practice was launched during the year and aims to extend and sustain knowledge transfer of Master of Public Health graduates returning to developing countries. The project is led by Drs Robyn Wooward-Kron (Faculty International Student Support Unit) and Catherine Bennett (MPH Coordinator) and supported by a seeding grant from the Australian and New Zealand Association of Medical Education. One of our recent MPH graduates, Durga Shrestha from Kathmandu, Nepal, will also be a key contributor on the project.

A number of our MPH students elect to develop a public health research program protocol as part of their Masters degree, for example to develop a public health intervention or evaluation program, which the students intend to implement or carry out once they return to their professional roles in their communities. The E-Community of Practice project will track the processes and nature of knowledge transfer from the the students to their research and practice communities. The main objective for this first phase of the program is to establish and maintain a research community among returning AusAID students so that they can support each other and share expertise.

A continuing link with the University of Melbourne provides necessary research infrastructure, such as access to library databases, and research expertise, as well as creating future project opportunities for those MPH students with an International Health focus.

The E-Community of Practice is an initiative to extend the learning networks established in the School and strengthen the links among our graduate community.

Undergraduate

Again Health Practice Semesters 1 to 5 in the Bachelor of Medicine and Bachelor of Surgery attracted a number of excellent tutors from the School in 2007, and they made important contributions to the Health Practice Tutorials and Evidence-Based Practice Training. In addition numerous Melbourne School of Population Health staff have been involved in teaching Health Practice 1 and 3, and in redeveloping Health Practice 3 in particular.

With the decision to have a Bachelor of Biomedicine Degree that will commence in 2009, there will still be a need to teach Health Practice in its current form until the last intake of undergraduate medical students for this current curriculum in 2008. The establishment of the new undergraduate degree presents the Melbourne School of Population Health with some exciting possibilities for curriculum input and teaching.

Advanced Medical Science

The highlight of each AMS year is the conference held for those students being supervised by Melbourne School of Population Health staff and PhD students. The conference is held in May each year and provides AMS students the opportunity to present and showcase their year's research to staff, students and parents. It is rewarding to see students develop from novice researchers in week one to present often sophisticated research by the end of the AMS year. The success of the AMS year is testament to a lot of hard work by supervisors and the AMS administrator, Anita Lucas, under the leadership of Associate Professor Lynn Gillam.

The 2007 AMS program trialled a mentoring supervision scheme of junior supervisors, including a number of PhD students and recent graduates, by more senior staff. From all accounts it was a very successful scheme and will continue in 2008.

The AMS cohort that completed their year in May 2007 had a total of 27 students, with 13 of these students from Universitas Indonesia.

The new cohort that commenced in mid-July had 14 local students and two students from Universitas Indonesia.

From 2001/2002 the School has supervised a total of 211 AMS students – 32 of these students were from Universitas Indonesia.



THE UNIVERSITY OF
MELBOURNE



MELBOURNE
SCHOOL OF
POPULATION
HEALTH

School growing in reputation, relevance

Six years after establishing the Melbourne School of Population Health, its foundation professor and head, Professor Terry Nolan, is expanding his vision of the School's potential.

In 2007, after the official launches of the McCaughey Centre and the Centre for Health Policy, Programs and Economics (formerly the Program Evaluation Unit), he believes the Melbourne School of Population Health is continuing to grow in reputation and relevance.

As the School gains increasing international renown for leadership in teaching, learning, research and knowledge transfer, Professor Nolan is aiming higher, aspiring to see the Melbourne School of Population Health approach the recognition accorded institutions such as Harvard School of Public Health, Johns Hopkins Bloomberg School of Public Health, and the London School of Hygiene and Tropical Medicine.

"The Melbourne School of Population Health is

pursuing its vision and knowledge transfer is a key driver, but we face a range of challenges if we are to fulfil our goal of achieving the public prominence and professional relevance of the world's major institutions of population health," he says. "Our School needs to increase its depth in relation to its research strengths and realise the opportunities that exist to gain external funding for high-quality population research in a range of different areas.

"To achieve this, we need more funding to grow and continue the work that is valuable and an essential part of the knowledge transfer process for community strategies, policies and priorities."

Professor Nolan says the Melbourne School of Population Health has been successful in integrating a full range of social sciences, medical and biomedical sciences into an array of activities for teaching, learning, research and knowledge transfer. It would "continue to develop successful collaborations with internal

and external partners", he says.

But he points to areas where the School can deliver more. "It's an ongoing challenge to maintain a distinctive approach to our teaching and learning, especially in the way we help prepare people for roles in the public health workforce and careers in research.

"This is why we are examining the structure of our postgraduate coursework degrees and how we can better integrate and more efficiently deliver those programs."

The Melbourne School of Population Health's research capacity had been substantially expanded in 2007 with the establishment of the McCaughey Centre, which had provided a new dimension through its focus on structural and societal determinants and solutions for health and wellbeing. He says, "this has opened a whole range of new connections into the School, into the Faculty, into the University and beyond. That has been exciting."

Research and Research Training

Publication Type	Counts by Year				
	2003	2004	2005	2006	2007
A - Books					
A1 - Books - Authored - Research	1	3	0	3	
A2 - Edited Books	2	1	6	2	2
A5 - Textbooks	0	1	0	0	
A6 - Authored Books - Other	0	0	1	1	2
B1 - Chapters in Research Books	17	7	11	6	11
B2 - Chapters in Books	6	5	11	5	11
C – Journal Articles					
C1 - Journal Articles - Refereed	73	102	162	204	222
C2 - Unrefereed Journal Articles	9	2	11	15	14
C3 - Unrefereed Letters or Notes	7	14	10	23	18
C5 - Other Refereed Contributions to Refereed Journals	11	5	12	11	10
D4 - Major Reference Works	0	2	4	1	
F1 - Conference Publications - Full written paper - refereed	1	3	2	0	10
F2 - Fully Written Unrefereed Conference Papers	2	2	5	7	4
G4 - Major Reports	14	14	34	36	33
G5 - Minor Reports/Working Papers	4	8	3	5	6

Research Training – PhD Completions

Surname	Centre/Unit	Supervisors	Final Thesis Topic
Adams, Karen Eileen	KCWHS	Assoc Prof Anne Kavanagh, Dr Jenny Lewis, Dr Jon Willis	Koori kids and otitis media prevention in Victoria
Bwembya, Phoebe Albina	KCWHS	Assoc Prof Jane Fisher, Dr Wendy Holmes	Reproductive decision making of HIV positive Zambian women
Coles, Janice Yvonne	CHS	Dr Alison Brookes, Assoc Prof Marilys Guillemin and Prof Jill Astbury	Breastfeeding and maternal touch after childhood sexual assault
Farooqui, Atika	KCWHS	Assoc Prof Jane Fisher, Dr Andrea Whittaker, Dr Julie Thacker	Tobacco use during pregnancy and perinatal health in rural Kanataka, India
Fetherstonhaugh, Deirdre Marie	CHS	Dr Alison Brookes, Prof Michael Ashby, Dr Margaret Fraenkel	Hobson's choice: dialysis or the coffin. A study of dialysis decision-making amongst older people

Surname	Centre/Unit	Supervisors	Final Thesis Topic
Hall, Sandra Isabel	CHS	Prof Ian Anderson	Decolonisation or recolonisation? A comparative analysis of colonial constructs and racial discourse in key indigenous policy statements in Australia and Aotearoa
Hodge, Allison Mary	MEGA	Prof John Hopper , Prof Kerin O'Dea, Prof Graham Giles	Diet related predictors of type 2 diabetes in the Melbourne Collaborative cohort study
Hodgson, Janet Margaret	CHS	Assoc Prof Lynn Gillam , Assoc Prof Sylvia Metcalfe, Mrs Margaret Sahhar	Testing times, challenging choices: women, prenatal testing and genetic counselling
Johnston, Vanessa	KCWHS	Prof Doreen Rosenthal , Dr Milica Markovic, Prof Pascale Allotey, Prof Kim Mulholland, Prof John Carlin	Weapons of mass destruction: the health impact of human rights violations in the context of Australian asylum policies
Kowal, Emma Esther	CHS	Prof Ian Anderson , Prof Sandra Gifford, Prof Ross Baillie	The proximate advocate: improving indigenous health on the postcolonial frontier
Li, Lin	AIHI	Dr Martha Morrow, Dr Michelle Kermode	Vulnerable but feeling safe: HIV risk among male rural-to-urban migrant workers in Chengdu, China
Mitchell, Penelope Fay	CHPPE	Assoc Prof Jane Pirkis , Prof Pip Pattison, Assoc Prof John Toumbourou	Mental health care roles and capacities of non-medical primary health and social care services: an organisational systems analysis
Myers, Paul Michael	KCWHS	Prof Doreen Rosenthal , Dr Shelley Mallett	Hepatitis C testing among young people who experience homelessness in Melbourne
Saw, Saw	KCWHS	Dr Elizabeth Bennett , Prof Lenore Manderson , Dr Mridula Bandyopadhyay	Strategies for public-private partnership in tuberculosis control: the involvement of private practitioners in Myanmar
Sidat, Mohsin Mahomed	SHU	Dr Jeffrey Grierson, Prof Christopher Fairley	Studies on prevention and management of HIV/AIDS in the era of highly active antiretroviral therapy (HAART)
Skull, Susan Anne	MSPH	Prof Terry Nolan , Prof Graham Brown , Dr Graham Byrnes	Effectiveness of influenza and pneumococcal vaccination against hospitalisation for community-acquired pneumonia among persons > 65 years
Stone, Jennifer	MEGA	Prof John Hopper , Dr Graham Byrnes , Dr Norman Boyd	Genetic and environmental determinants of mammographically dense and non-dense breast tissue: biomarkers for breast cancer
Tideman, Robin Lesley	SHU	Prof Christopher Fairley	Improving sexual health service provision at a sexually transmitted infection clinic
Vasey, Katherine Elizabeth	KCWHS	Dr Elizabeth Bennett , Dr Milica Markovic, Prof Lenore Manderson	A country welcome: Emotional wellbeing and belonging among Iraqi women in rural Australia
Warren, Narelle Louise	KCWHS	Dr Shelley Mallett , Dr Milica Markovic, Dr Andrea Whittaker	Markers of midlife: interrogating health, illness and ageing in rural Australia
Welch, Nicola Maree	CHS	Dr Deborah Warr , Assoc Prof Fiona Haines	Bendigo calling: opportunities and limitations of telephone call centre work

Research Income

Research Income: 2007 Higher Education Research Data Collection (HERDC)

C1 = Total Australian Competitive Grants

C2 = Total Australian Government Grants

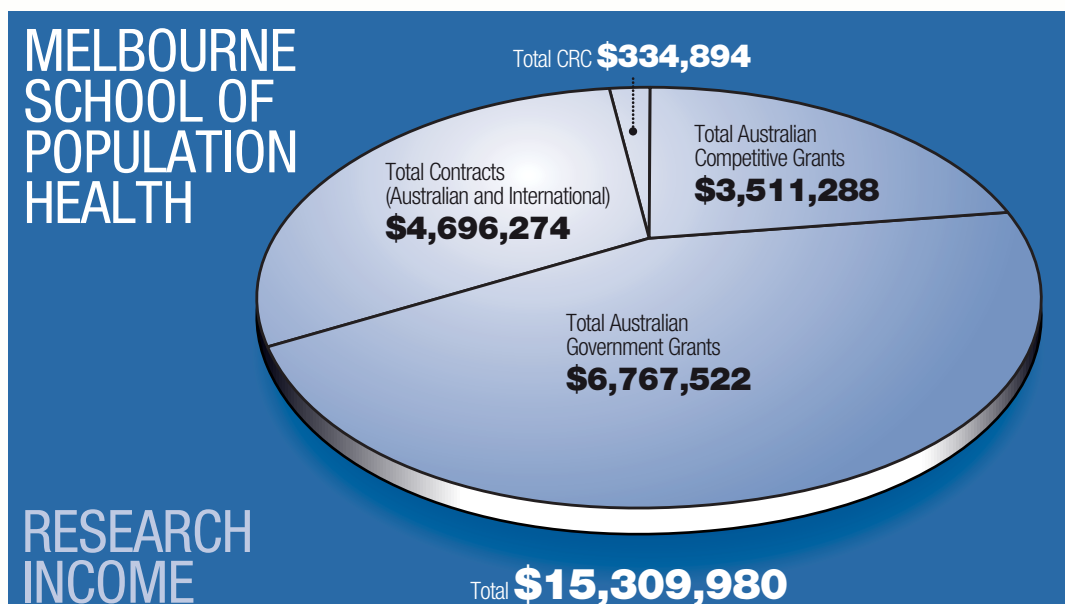
C3 = Total Contracts (Australian and International)

C4 = Total CRC

Dest Cat	2003	2004	2005	2006	2007
C1.1	\$5,030,345	\$2,555,075	\$3,719,650	\$3,688,734	\$3,375,494
C1.2	\$72,455	\$80,203	-	\$554,225	\$135,794
C1	\$5,102,800	\$2,635,278	\$3,719,650	\$4,242,959	\$3,511,288
C2.1	\$5,000	\$20,339	\$20,837	-	\$47,273
C2.2	\$1,100,588	\$2,521,449	\$1,768,440	\$1,950,368	\$3,218,207
C2.3	\$2,358,357	\$1,039,953	\$3,068,456	\$3,856,702	\$3,502,043
C2	\$3,463,946	\$3,581,741	\$4,857,733	\$5,807,070	\$6,767,522
C3.1	\$679,478	\$324,105	\$1,152,838	\$1,432,204	\$1,226,542
C3.2	\$522,034	\$388,492	\$458,098	\$674,839	\$726,791
C3.3	\$92,087	\$45	\$31,159	\$7,861	\$113,583
C3.5	\$2,524,722	\$2,005,517	\$2,533,870	\$2,986,280	-
C3.5A					\$2,057,336
C3.5B					\$572,023
C3	\$3,818,322	\$2,718,158	\$4,175,966	\$5,101,183	\$4,696,274
C4.1	-	\$96,408	\$142,199	\$134,392	\$206,524
C4.2	-	\$12,415	\$18,312	\$16,034	\$24,641
C4.3	-	\$30,692	\$45,269	\$67,501	\$103,730
C4	-	\$139,515	\$205,781	\$217,927	\$334,894
Total	\$12,385,068	\$9,074,692	\$12,959,129	\$15,369,140	\$15,309,980

The School continued to strengthen its research programs with a total of 18 NHMRC and ARC grants awarded to researchers in the school or involving MSPH partner institutions and commencing in 2008.

This represents research income of \$12,245,482, with \$8,620,188 being directly administered by the School over the next few years.



Grants commencing 2007

Sponsor	Responsible Ci	Description	Grants Income
NHMRC Project Grants			\$5,718,539
	Shyamali Dharmage, John Hopper , Melanie Matheson, Michael Abramson, Graham Byrnes	Genetic epidemiology of chronic respiratory diseases from childhood to adult	\$840,113
	Jane Fisher, Heather Rowe, Doreen Rosenthal , Julie Quinliven, Lyle Gurrin	A randomised trial of an early parenting intervention to reduce maternal mood disorder and infant behaviour disturbance.	\$376,375
	Kit Fairley, Catriona Bradshaw , Marie Pirotta, Suzanne Garland, Jane Hocking	Treatment of bacterial vaginosis: a randomised controlled trial	\$255,425
	John Mathews, Terry Nolan , Niels Becker, Jodie McVernon, James McCaw , Emma McBryde	Modelling of the effects of immunity on influenza transmission – implications for prevention and vaccine development	\$264,713
	John Hopper, Mark Jenkins, Graham Byrnes , Laura Baglietto, Carmel Apicella	Statistical analyses of breast cancer risks for BRAC1 and BRAC2 mutation carriers	\$410,250
	John Hopper, Shyamali Dharmage, Gillian Dite, Carmel Apicella	A prospective study of the effects of early life growth of adult mammographic density	\$442,838
	Kelly-Anne Phillips, John Hopper , Michael Friedlander, Mark Jenkins , Sue Ann McLachlan, Roger Milne	kConFab follow-up: A prospective study of non-genetic risk modifiers in women at high risk of breast cancer	\$698,575
	Sepher Tabrizi, Kit Fairley , Basil Donovan	Surveillance of LGV Chlamydia trachomatis types among men who have sex with men	\$186,875
Administered by Partner Institution (MCRI)	Sheena Reilly, Margot Prior, Anne Castles, Melissa Wake, Edith Bavin, John Carlin	Understanding how language and reading problems develop: a population-based longitudinal study from infancy age 7	\$633,550
Cancer Council	Gialuca Severi , Vanessa Hayes, Justine Ellis, Rodney Sinclair	Markers of Androgen action, genetic variation and prostate cancer risk	\$772,700
Cancer Council	Ron Borland , Melanie Wakefield, Hua Hie Yong, Mohammad Siahpush	Extending the Australian arm of the International Tobacco Control Policy Evaluation Study	\$837,125
	Lyle Gurrin	Bayesian Statistical Methods for Combining Evidence in Genetic Association Studies of Complex Disease	\$445,000
NHMRC Population Health Capacity Building Grants			\$2,449,375
Administered by MCRI	Melissa Wake, John Carlin	Developing child health research with a focus on preventative interventions for common childhood disorders	\$2,449,375
NHMRC Strategic Research Grants			\$1,641,848
Administered by Peter McCallum Institute	Andrew Holloway, Anthony LaMontagne	Establishment of a Latrobe Valley power industry cohort and biospecimen bank for the study of asbestos related disease	\$581,225

Administered by Flinders University	Sue Richardson, Anna Ziersch, Fran Baum, Diannah Lowry, Anne Kavanagh , Laurence Lester, Tony La Montagne , Rebecca Bentley	Changing patterns of work: impacts on physical and mental health and the mediating role of resiliency and social capital	\$1,060,623
ARC Discovery Grants			\$1,247,000
	John Hopper , MA Reuter, J Langford	Expert judgement of environmental health risks from exposures to contaminants in urban water systems	\$282,000
	Tony Scott	Blended payment system for doctors; evaluation of a natural experiment	\$165,000
Administered by the University of Tasmania	H Maxwell Stewart, R Kippen, Janet McCalman , G McCarth R Shlomowitz, Alison Venn, Shyamali Dharmage	Founders and survivors: Australian lifecourses in historical context	\$800,000
ARC Linkage Grant			\$255,000
Administered by Macquarie University; industry partners IVF Australia and Melbourne IVF	C McMahon, F Gibson, Jane Fisher , J Boivin, D Saunders	Age at first birth, mode of conception and adjustment to parenthood	\$255,000

New grants awarded in 2007, commencing 2008

Sponsor	Responsible Ci	Description	Grants Income
NHMRC Project Grants			2,569,800
	Jane Hocking , Catriona Bradshaw , Sepher Tabrizi, Kit Fairley , Marie Potter , Basil Donovan	A longitudinal study of bacterial vaginosis and Mycoplasma genitalium in young Australian women	\$115,000
	Lyle Gurrin , Katrina Allen , Lawrie Powell, Christine McLaren	Early versus delayed therapeutic venesection for the prevention of hereditary haemochromatosis	\$190,000
	John Mathews , Chris Kelman, Stacey Goergen, James Dowty	Cancer and low-dose radiation – possible effects of CT Scans in childhood	\$451,050
	Catherine Bennett , Paul Johnson, Geoff Coombs, Gillian Wood	The epidemiology of Staphylococcus aureus and antibiotic resistance in community-acquired infections	\$908,750
	Dallas English , Joanne Young, Mark Jenkins , Jeremy Jass	Risk factors for molecular sub-types of colorectal cancer	\$418,750
	Anne Kavanagh , Dallas English , Graham Byrnes , Carolyn Nickson	Evaluation of the efficacy of the Australian mammographic screening program	\$486,250
Partners in NHMRC Project Grants			\$3,502,071
Cancer Council	Melanie Wakefield, Sarah Durkin, Victoria White, Ron Borland , Mohammad Siahpush , Matthew Spittal, Julie Simpson	How do media campaigns and tobacco-relevant news coverage influence adolescent and adult smoking?	\$395,725
MCRI	Katrina Allen , Melissa Wake, Shyamali Dharmage , Mimi Tang, Lyle Gurrin , Melanie Matheson	Population prevalence and environmental/genetic predictors of food allergy in an infant cohort	\$529,625
Cancer Council	Dallas English , David Whiteman, Robert Thomas, Andrew Haydon, Graham Giles	Risk factors for gastro-oesophageal reflux disease & Barrett's oesophagus in a prospective cohort study	\$925,626

Sponsor	Responsible Ci	Description	Grant s Income
The Peter McCallum Clinic	Stephen Fox, Gillian Mitchell, Gillian Dite , Christobel Saunders, Donna Taylor	Histopathological, magnetic resonance and ultrasound correlates of mammographic density in BRCA1/2 mutation carriers	\$332,725
Cancer Council	Gianluca Severi, Mark Jenkins , Vanessa Hayes, Catherine Hayden	Markers of inflammation and prostate cancer risk	\$562,150
Deakin University	Boyd Swinburn, Andrea Sanigorski , Marj Moody, Lisa Gibbs, Liz Waters, Rob Carter	Sustainable impact, capacity gains and cost-effectiveness of a successful community-wide, child obesity prevention program	\$390,545
School of Rural Health	Teng Liaw, John Furler, Kevin Rowley, Priscilla Pyett, Margaret Kelaher , Phyllis Lau	Culturally appropriate diabetes care in mainstream general practice for urban Aboriginal and Torres Strait Islander people	\$365,675
NHMRC Fellowships			\$5,074,000
	John Hopper	Australia Fellowship	\$4,000,000
	Kevin Rowley	Research Fellowship	SRF – \$537,000
	Melissa Southey	Research Fellowship	SRF – \$537,000
ARC Discovery Grants			\$625,866
	Ian Anderson, Jane Freemantle , Joan Ozanne-Smith, Jane Halliday, Jill Gallagher, Mary-Ann Davey, Mary Sullivan, Pam Muth	A mortality profile of Victoria's Aboriginal (and non-Aboriginal) children 1998-2008 using an innovative method and research process	\$625,866
Partners: APC Discovery Grants			\$444,944
Deakin University	Kay Cook, Liz Waters , Siang Kai Lo, Elise Davis	The health implications of uncertain child support payments for children in low income single parent families	\$234,944
Monash University	Lynette Russell, Marcia Langton , Zane Ma Rhea	Food, Traditional Aboriginal knowledge and the expansion of the settler economy	\$210,000
ARC Indigenous Research Development Grants			\$200,000
	Kylie Cripps, Ian Anderson, Marcia Langton , Maggie Walter, Mark Rose	Building and supporting community led partnership initiatives to respond to Indigenous family violence in Victoria	\$200,000
ARC Linkage Grants			\$440,000
University of Queensland	Harvey Whiteford, Michael Hilton, Geoff Waghorn, Jane Pirkis , Paul Scuffham	Mental health intervention and non-urban detection screening	\$440,000
Other Grants			\$150,572
Department of Human Services, Victoria	John Fitzgerald	Health credits: identifying the economic benefits of licensed premises and translating them into health outcomes at a local level	\$99,804
University of Melbourne Early Career Researcher Grant	Julie Simpson	Optimal design of antimalarial population pharmacokinetic studies	\$28,768
IATSI	Marcia Langton	Indigenous involvement in water management and policy and regulation development	\$22,000

School Of Population Health Seminar Series 2007

The School seminar series was well received throughout 2007 with increasing attendance levels. It provided opportunities for staff and visitors to showcase their research.

Date	Speaker	Presentation
7 Mar	Professor John Mathews , Professorial Fellow, Centre for MEGA Epidemiology, Melbourne School of Population Health, University of Melbourne	Negotiating science and politics
21 Mar	Professor Jane Gunn , Chair of Primary Health Research, Department of General Practice, University of Melbourne	The role of GPs in population health
4 Apr	Professor David Studdert , ARC Federation Fellow, Melbourne School of Population Health and Law School, University of Melbourne	American health policy: Just cautionary tales?
18 Apr	Professor Robin Room , Professor of Social Research in Alcohol, Melbourne School of Population Health, University of Melbourne, & Director of the AERF Centre for Alcohol Policy Research at Turning Point Alcohol & Drug Centre	Prescription regimes and drug control
2 May	Dr Giuliana Fuscaldo , Research Fellow, Department of Epidemiology and Preventive Medicine, Faculty of Medicine, Nursing and Health Sciences, Monash University & Associate Professor Lynn Gillam , Centre for Health and Society, Melbourne School of Population Health, University of Melbourne	Ethical issues in research
16 May	Professor Ian Gust , Professorial Fellow, Department of Microbiology and Immunology, University of Melbourne	AIDS vaccine development: The role of the International AIDS Vaccine Initiative
30 May	Professor Marcia Langton , Foundation Professor of Australian Indigenous Studies, Centre for Health and Society, Melbourne School of Population Health, University of Melbourne	Agreement-making, Australian Indigenous People and the mining and resource industry: Trends and issues
13 Jun	Dr Jodie McVernon and Dr James McCaw , Vaccine and Immunisation Research Group, Melbourne School of Population Health, University of Melbourne	Modelling the impact of vaccine schedule change on Pertussis in Australia
27 Jun	Professor Robert Power , Director, Centre for Harm Reduction, Burnet Institute	Successes and challenges for HIV harm reduction targeting injecting drug users
11 Jul	Ms Beth Wilson , Health Services Commissioner, Department of Human Services	Turning health complaints into quality changes
25 Jul	Professor Fiona Judd , Director, Centre for Women's Mental Health, Royal Women's Hospital	Issues in women's mental health
8 Aug	Professor John Wiseman , Director, The McCaughey Centre, Melbourne School of Population Health, University of Melbourne	Developing and using community wellbeing indicators: An overview of the role and work of Community Indicators Victoria



Date	Speaker	Presentation
29 Aug	Professor Ray Pawson , Professor of Social Research Methodology, School of Sociology and Social Policy, University of Leeds, United Kingdom	Educating Archie: post-Cochrane systematic reviews
5 Sep	Professor Donna Stewart , Senior Scientist, Division of Behavioural Sciences and Health, Toronto General Research Institute	International women's health indicators (mental health, general health): A comparison between Canada, Peru and Colombia
19 Sep	Mr Shaun Ewen , Senior Lecturer and Deputy Director, Academic Programs, Onemda VicHealth Koori Health Unit, Melbourne School of Population Health, University of Melbourne & Ms Leah Walker , Director, Division of Aboriginal People's Health, University of British Columbia	Indigenous health research and teaching: A cross-national case study from Australia and Canada
26 Sep	Professor Dallas English , Director, Centre for Molecular, Environmental, Genetic and Analytic Epidemiology, Melbourne School of Population Health, University of Melbourne	What do we know about preventing the second five most common cancers?
10 Oct	Associate Professor Sean Clarke , University of Pennsylvania School of Nursing <i>* Joint seminar with the University of Melbourne School of Nursing</i>	The impact of workforce issues on healthcare safety and quality
17 Oct	Associate Professor Russell Gruen , Associate Professor of Surgery, University of Melbourne, Royal Melbourne Hospital, and Coordinating Editor, Australian Cochrane Effective Practice and Organisation of Care (EPOC) Group Satellite	Specialist outreach to remote Northern Territory communities: the effectiveness and sustainability of provider-driven initiatives
31 Oct	SPH Teaching, Research, Knowledge Transfer and Professional Staff Awards Presentation	N/A
7 Nov	Professor James Buchan , Faculty of Social Sciences and Healthcare, Queen Margaret University, Edinburgh, United Kingdom <i>* Joint seminar with the University of Melbourne School of Nursing</i>	Nursing Shortages and "Scaling Up": the UK and international recruitment of nurses
14 Nov	Professor Christopher Fairley , Professor of Sexual Health, Sexual Health Unit, Melbourne School of Population Health, University of Melbourne, and Director, Melbourne Sexual Health Centre	Sex workers
16 Nov	Professor George Davey Smith , Department of Social Medicine, Bristol University, United Kingdom	Life course approaches to chronic disease epidemiology – What do we know?
28 Nov	Dr Shekhar Saxena , Coordinator, Mental Health: Evidence and Research, World Health Organisation	Global resources for mental health

Website winner more than just about sex

A website commissioned by the Key Centre for Women's Health (KCWHS) won national and international awards in 2007.

The sex education/reproductive health website aimed at adolescents was commissioned by Professor Doreen Rosenthal AO, Director of the KCWHS.

www.yoursexhealth.org outscored entries by major corporations from all over the world to be judged 'Best in Class' in the 2007 Interactive Media Awards for the education category. This is the highest honour bestowed by the New York-based Interactive Media Council.

The website was also judged 'Best Tertiary Education



Resource' at the prestigious Australian Teachers of Media (ATOM) Awards 2007.

The ATOM awards recognise excellence in more than 30 categories covering multimedia, film, television and animation. Among the 128 finalists were entries from the ABC, SBS, Channel Ten, independent production

houses, universities and schools.

Although www.yoursexhealth.org was not marketed overseas, it has attracted visitors from 129 countries since it was launched early in 2007. The website has been translated into French and Spanish.

Professor Rosenthal says she is very pleased that the

website has been recognised nationally and internationally.

"Our goal was to create a resource for young people that was based on credible research, presented in an intriguing and creative way," Professor Rosenthal says. "The feedback we've been getting from all over the world confirms that we have succeeded."

Premier's Award honors for researchers

Two researchers connected to the Melbourne School of Population Health were honoured in the prestigious 2007 Premier's Award for Medical Research.

Epidemiologist Dr Helen Cox has won the 2007 Premier's Award for Medical Research. Dr Cox enrolled for her PhD at MSPH and was based at the University's Australian International Health Institute, now part of the Nossal Institute for Global Health. Dr Cox won \$16,000 from the Victorian Government and \$30,000 from the Jack and Robert Smorgon Families Award.

Dr Cox says the award has raised the profile of both tuberculosis research and more broadly health issues in Australia. Her PhD research into multi-drug resistant tuberculosis was conducted while she worked for Médecins Sans Frontières in Uzbekistan. After many years of

working for aid agencies, Dr Cox welcomes both the money and the recognition. She hopes to use the \$30,000 from the Smorgon family to extend TB drug-resistance research in Cambodia, work which could have significant implications for our region. Dr Cox, now based at the Burnet Institute in Melbourne, continues to work collaboratively with the Nossal Institute.

Research into the links between obesity and cancer has won Dr Robert MacInnis an \$8000 commendation in the awards.

Now a Research Fellow at MSPH, Dr MacInnis's work for his PhD at MSPH contributed to a Cancer Council Victoria public education campaign focusing on the link between waist circumference and cancer risk. Dr MacInnis used the Melbourne Collaborative Cohort Study, which surveyed the health status of 41,528

Melburnians over 10 years, to track the link between obesity and cancer.

Dr MacInnis is currently based at the Genetic Epidemiology Unit at Cambridge University, UK, but will return to MSPH next year.

"It is certainly gratifying to know that the work I put in over the years into this research has had an impact on health policy with the Cancer Council Victoria's campaign to reduce waist size," he says, "and that this has been formally recognised with the Premier's Award Commendation."

He says the recognition afforded by the award may have contributed to further research opportunities in the form of an invitation to represent the Melbourne Collaborative Cohort Study in a world wide cohort consortium which is investigating obesity/overweight and deaths from all causes.

Staff

*denotes part-time staff

School of Population Health

Head of School and Associate Dean and Professor

Terence Nolan, BMedSc MB BS *W.Aust.* PhD *McG.* FRACP
FAFPHM

Deputy Head of School and Professor

Ian Anderson, MB BS *Melb.* PhD *LaTrobe*

Professors/Professorial Fellows

*John Carlin, BSc *W.Aust.* PhD *Harv*

Dallas English, BSc *Melb.* MS *Wash.* PhD *Wash.* (Professor
and Chair of Epidemiology and Biostatistics)

John Hopper, BA *Melb.* BSc *Monash* MSc *Monash* PhD
LaTrobe (NHMRC Australia Fellow)

Christopher Kincaid Fairley, MB BS *Melb.* PhD *Monash*
FRACP FAFPHM FACHSHM

Marcia Langton, AM, BA (Hons) *ANU*, PhD *Macquarie*, FASSA

*Janet McCalman, BA *Melb.* PhD *ANU* FAHA

Robin Room, BA *Princeton* MA(English) MA(Sociology) PhD
Berkeley

Doreen Rosenthal, AO, BA, PhD *Melb.* FASSA

David Studdert, BA *Melb.* LLB *Melb.* MPH *Harvard* ScD
Harvard (Federation Fellow)

Elizabeth Waters BSc *Melb.*, PGradBusAdmin *RMIT* MPH
Monash PhD *Oxf.*

John Wiseman, BA *BSW* *Melb.* PhD *LaTrobe*

Associate Professors/Principal Research Fellows

David Dunt, MB BS *Melb.* MAPrelim *LaTrobe* PhD *Monash*
FFPHM

Lynn Gillam, BA *Melb.* MA *Oxf.* PhD *Monash*

Jane Rosamond Fisher, BSc *Qld.* PhD *Melb.*

John Fitzgerald PhD *Monash*, PhD *Melb.*

*Peter Greenberg, MB BS *Melb.* MD *Melb.* PhD *Melb.* FRACP

Marilys Guillemin, BAppSc *RMIT* MEd *Murd.* DipEd PhD *Melb.*

*Bridget Hsu-Hage, BSc *Melb.* GradDipBehHealth *LaTrobe*
D.Psych (Clin Health) *Melb.*

Anne Kavanagh, MB BS *Flinders* PhD *ANU* FAFPHM

Steven Klimidis, BSc *Monash* PhD *ANU*

Anthony Lamontagne, BSc *Mass* MA *Harvard* ME *Mass* Sc.D
Harvard

Martha MacIntyre, BA PhD *ANU* CertSocAnth *Camb.*

Harry Minas, MB BS BMedSc *Melb.* DPM *FRANZCP*

Jane Pirkis, BA *MPsych* *Tas.* MAppEpi *ANU* PhD *Melb.*

Senior Lecturers/Senior Research Fellows

Rebecca Armstrong BNurs/BAppSc(HealthProm)(Hons)
Deakin MPH *LaTrobe* PhD *Deakin*

Catherine Bennett, BSc *LaTrobe* MAppEpi *ANU* PhD *LaTrobe*

Graham Byrnes, BSc *Syd.* PhD *Syd.* PGDip(AppStats) *Melb.*

*Steven Crowley, BAppSc *Curtin* MSc *York* MBA *Monash*
PGDipDiet *Deakin*

*Andrew Dalton, BEc *MEC* DipEd *GDipHEcEval* *Monash*

Shyamali Dharmage, MB BS *Colombo* MSc *Colombo* MD
Colombo PhD *Monash*

Colleen Doyle, BA (Hons) *MAPS* *Adel.* PhD *Melb.*

Elise Davis BAppSc(Hons) *Deakin* PhD *Deakin*

Shaun Ewen, BAppSc *S.Aust.*

*Louisa Flander, BA *G.Wash.* MA *G.Wash.* MA *RMIT* PhD
Colorado

Bill Genat, BSc *W.Aust.* PhD *W.Aust.*

Lisa Gibbs BSc (Hons) *Melb* PhD *Deakin*

Lyle Gurrin, BSc *W.Aust.* PhD *W.Aust.*

Jane Hocking, BAppSc(MLS) *RMIT*, MPH, *Melb.*, MHSc(PHP)

LaTrobe, PhD, *Melb* (NHMRC Postdoctoral Research Fellow)

*Ya-seng_Hsueh, BPM *Taiwan* MHSA *Michigan* MAE
Michigan PhD *Michigan*

Mark Jenkins, BSc *Monash* PhD *Melb.*

Margaret Kelaher, BSc (Psych) *NSW* PhD *NSW*

*Louise Keogh, BSc *West.Aust.* MA *Monash* PhD *LaTrobe*

Shelley Mallett BAppSc *LaTrobe* BA *LaTrobe* PhD *LaTrobe*
(Vic Health Public Health Research Fellow)

Jodie McVernon, MB BS BMedSc *Monash* PhD *Oxf.*

Priscilla Pyett, BA *Monash* PhD *Deakin*

Kevin Rowley, BAppSci *RMIT* PhD *Melb.* GradDipEpi *Melb.*

*Julie Simpson, BSc *Melb.* PhD *Open Uni* *UK*

PGDip(MathStat) *Cambridge* *UK*

*Jennifer Thomson, MB BS *Monash* MBIostats *Melb.* PhD
Melb. GDipEpiBio *Melb.*

Deborah Warr BA *Deakin*, MA PhD *Melb.*

*Henrietta Williams, MB BS *Lond.* MPH *Monash* DRCOGUK
DCH MRCGP MFFP DipGUM FRACGP

Lecturers/Research Fellows

Carmel Apicella, BSc *Monash* MSc *Melb.* PhD *Melb.*
GDipEpiBio *Melb.*

Hans Baer, BS *Pennsylvania State U*, MA *Nebraska*, PhD
Utah.

*Bridget Bassilios, BSc *Melb.* GradDipBehHealth *LaTrobe*
D.Psych (Clin Health) *Melb.*

*Rebecca Bentley, BBSc *LaTrobe*

Kathleen Brasher, CertGeneralNurs *Royal* *Melb* CertMidwifery
Monash BAppSc(Nursing) *Monash* GradDipArts *Melb* PhD
Monash

James Bradley, MA (Hons) History PhD *Edinburgh*, Dip IT
Dundee

Viki Briggs, BA *S.Aust.*

Alison Brookes, BA *Deakin* PhD *Deakin*

Xiaogang Chen, BSc *Hangzhou* MSc *Changchun*
PostgradDipMGP ITC *Netherlands* PhD *Melb.*

Angela Clarke, BA *VUT* MPublHlth *Deakin*

Clare Constantine, BSc *W.Aust.* PhD *Murd.* GDip(CompSci)
Murd.

Kyllie Cripps, BA *S.Aust* PhD *Monash*

Melanie Davern, BSc *Melb* BSc(Hons) *Deakin* PhD *Deakin*

Susan Day, BA *Deakin* BSW *Melb.* GradDipEval *Melb.* MA
Monash PhD *Melb.*

Jodie Doyle DipNurs *Deakin* BNurs *Deakin*

GradDipHealthProm *LaTrobe* MPH *LaTrobe* MHlthSc
LaTrobe

Gillian Dite, BSc., PhD, GDipEpiBio *Melb.*

James Dowty, BSc, PhD *Melb.*

*Peter Feldman, BA *Tas.*

Elodie Fernandez, MSc Statistics *Institut National Des*
Sciences Appliquees, Toulouse, France

*Justine Fletcher, B.Psych (Hons) *Vic Uni.* M.Psych (Clinical)
RMIT

Karin Hammarberg, RN BSc *Sweden*, MWH *Melb.*, PhD *Melb.*

*Helen Jordan, BSc GDipEd *Melb.* GDipEpi&Biostat *Melb.*

Tessa Keegel, BA(Hons) *Monash* MA *Monash*
GradDipEpidBiostats *Melb.*

*Deborah Keys, BA *Deakin* PhD *LaTrobe*

Tania King, BA BSc *Melb.*

Maggie Kirkman, BA *Melb.* PhD *LaTrobe*

*Fay Kohn, MA *Deakin* DEd *Melb.* DipPT *Deakin* GDipTESOL
Deakin

*Jennifer Livingston, BSc *Med* DipEd *Melb.*

Robert MacInnis, BSc *Monash* PhD *Melb.* GDipEpiBio *Melb.*

Melanie Matheson, BSc *Monash* MAppSc *RMIT* PhD *Monash*

James McCaw, BSc PhD *Melb.*

*Rosemary McKenzie, BA *Monash MPH Curtin*
PGDipHlthProm *Curtin*

Tania Nadalina Miletic, BA PGrad Psych *Melb.*
MCertInterstudies *ICU Tokyo* MPubAdmin *ICU Tokyo*

Johanna Monk, BA *Melb.* MA *Monash*

*Belinda Morley, BA *Monash*

*Lucio Naccarella, BSc *Adel.* GDipMHS(Transcult) *Melb.*

*Carolyn Nickson, BA *LaTrobe* Grad Dip (Epi & Biostats) *Melb*
PhD *Melb.*

*Nicholas Osborne, BSc *Adel.* BSc *Flinders* MAgSc *Qld.* PhD
Qld.

*Michael Otim, BSc *Makerere Uni. Uganda* MEcon *Monash*
GDipEc *Newcastle* PGDipHlthEc&EvIn

Monash

Yin Paradies, BSc MMedStats MPH PhD

*Susan Peake, Dip Ed *Lon.* BA (Hons) *Qld.* MMS *Qld.* PhD
Melb.

Gregory Phillips, BA *Qld.* MMedSc *Qld.*

*Anne-Maree Polimeni, BA (Hons) *Swinburne* PhD *Swinburne*

Naomi Priest BAppSc(Hons) *S Aust* PhD *Melb.*

*Helen Rawson, BSc *Southbank* MSc *Oxford* PhD Candidate
La Trobe

Elisha Riggs BAppSc(Hons) *Deakin*

Belinda Robson BA(Hons) *Melb* MA *Monash* PhD *Melb.*

Heather Rowe, BA *LaTrobe* PhD *Melb.*

Therese Riley, B Soc Sci *RMIT* MA *RMIT* PhD *RMIT*

*Helena Sandahl, MSc *Gothen.* BA (Hons) *Melbourne* DPsych
Melbourne

Katrina Scurrah, B.Math *Newcastle* PhD *W.Aust.*

*Ting Fang Shih, BS *CMC Taiwan* MPH *Tulane USA* DrPH
Melb.

Paul Stewart, GDipIndigSt *Syd* MPubHlth *Deakin*

Jennifer Stone, BSc *Guelph* MSc *Guelph*

*Theonie Tacticos, BBus *Monash* GDipCommDev *RMIT*

*Kui-siang Tay-Teo, BPharm *Monash* MPH(HlthEco) *Melb.*

David Thomas, MB BS *Syd.* MMedSci *Newcastle* PhD *NTU*

Lyndal Thomas, BSc *Monash*

*Pauline Van Dort, BA (Hons) Psych *Swinburne*

Sue West, BA *Phillip IT* MA *RMIT*

*Michelle Williamson, BHlthSc *LaTrobe*

Senior Tutor

Ann Brothers, BA *Melb.*

Research Officers/Assistants

Kristie Adams, BSci *Melb.* GradDipEpi *Melb.*

*Melanie Adams, BAppSci *Deakin*

*Claudine Chionh, BA *Melb.*

*Joanne Christo, BSc (Hons) Psych *Vic Uni.* DipApplSc
(Nursing) *Vic Uni.*

*Angela Delle-Vergini, BA *Vic Uni.* Grad Dip (Psych) *Vic Uni.*
MPsych (Counselling) *Swinburne*

Anne Cust, BSc *Qld* BA *Qld* MPH *Sydney* PhD *Sydney*

*Jennifer Foord

*Alan Headey, BA *Qld.*

Kris Jamsen, BSc *Michigan* MBiostat *Melb* PGDip *Melb.*

Ana Lopez-Polin, BMedSc *Melb.*

Christopher Thomas McCaw, BA BSc *Melb.*

*Joan McPhee, BA *Rutgers* MNutr&Diet *Deakin*

Lauren Matheson, BA *Calg.* MWH *Melb.*

Katherine Morley, BA *Qld* BSc *Qld* GCert(HEcon) *Qld* PhD *Qld.*

Amanda Richardson, RN

*Janet Townsend, BA *LaTrobe* MA(AppSocRes) *Monash*
GDipWelfAdm *Monash* GDipEd *Deakin*

*Lukar Thornton, BSocSc (Environ) *RMIT* PGDip (Environ)
Melb MEnv *Melb* PhD candidate *Melb.*

Gael Trytell, BSc *Monash* BA *Swinburne*

Professional Staff

Senior Professional Staff

School Manager

Leanne Taylor, BSc *Deakin* BHA *NSW* PGDipDiet *Deakin*
MHSc *LaTrobe*

Information Technology Service Manager (South of Grattan Street Cluster)

Nick Golovachenko BA *Syd.*

Academic Programs Manager

Elizabeth Lagias

Finance and Resources Officer

Fiona Kostidis BSc *Melb.*

Personal Assistant to Head of School

Nora Li Dip Exec Sec Studies *HK Polytechnic*

Centre Managers

Jenny Burchill BA *VU*

Janine Campbell, BA *Melb* GradCertUM *Melb.*

Maggie Lenaghan, BA *Monash* BA(FineArt) *Prahran* GDipFA
VCA GDipBusAdmin *RMIT*

*Tracey Mayhew

Felice Rocca, BA *Melb.*

Doug Scobie, BA *Deakin*

Centre /Unit Staff

Maggie Angelakos, BSc *Monash*

*Kelly Aujard, BInfoSys *Swinburne*

Jennifer Boadle, BA *Deakin*

*Jacqui Carter

Kim Dorrell, BA *Qld*

Emily England, BA/BSc *La Trobe* GDipEd *Monash*

Fiona Finlayson

Kate Jenkins, DipBus *RMIT*

Vicki King

Debra Knoche, BA (Hons) *Melb.*

Anita Lucas BSc *Monash*

Nicole McMillan

Megan Mackay BAppSC (Human Movement) *Deakin*

AdvDipAppSc (Myotherapy) *RMIT*

Judi Maskiell, BAppSc(Nurs) *Monash* GDipBusSt(Mgt) *Monash*

Odette Mazel

Adam Moffatt

Niven Mathew BE *TIEC*, MIT *Monash*

Giles Ng

Annie Nguyen, M Acct *RMIT* GDip Fin *RMIT* B Ec *HCMC*,
Vietnam

Karen O'Brien

Shaie O'Brien BA *Monash* MA *Monash*

*Leanne Prior

Judy Pryor

Danielle Pullin BA *Melb*

Caitlin Raynor

Jennifer Sievers BlnfMan *Monash*

Katie Symes, BA *Melb.*

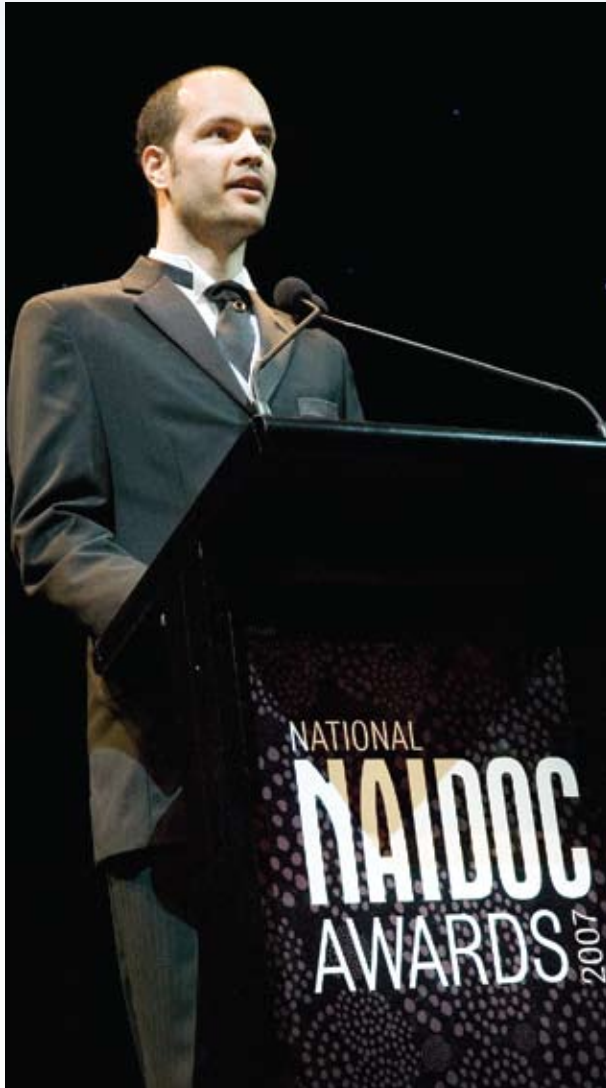
Vladimir Titti

Nicole Waddell

Laura Thompson, BA BEd *Deakin*

Patricia Van Kampen

Kellie Vizard, AdvCert(Admin) *Box Hill TAFE*, ADip(Bus) *Box*
Hill TAFE



Work driven by links between racism and health

For Dr Yin Paradies (right), winning the 2007 NAIDOC Scholar of the Year award provided both personal inspiration and professional affirmation to continue his work. "It was really inspiring to be able to be honoured by my peers and the broader community. And sometimes in academia we can be fairly unseen and unacknowledged so having that type of award was also really positive in terms of recognition and moving forward in my research agenda," he says.

Dr Paradies's work is driven by an overall aim of having the links between racism and health addressed as public health priorities. To this end he focuses on putting his research to work across a range of knowledge transfer avenues that can contribute to health policy and raise public awareness.

Among his recent projects was his contribution to a significant 2007 VicHealth report, 'More Than Tolerance: Embracing diversity for health', which explored options for working against discrimination affecting migrant and refugee communities in Victoria. Also for VicHealth, he is evaluating an anti-discrimination intervention called, 'Building Bridges'.

"I'm involved also in a new ARC research grant about identifying the various forms of racism across Australia, and developing particular solutions that may be appropriate in local areas . . . This new work will help us to develop anti-racism tool kits that could later be used by local councils and other organisations."

Nicole Waddell
Joy Yeadon
Jane Yule, BA Monash MA Monash GDipRec PhillipIT

Honorary Appointments

Professorial Fellows

Warwick Hugh Anderson, MB BS BMedSc MA MD Melb. PhD Penn.
Ross Bailie, MBChB MPhil MD(CommHlth) CapeTown MRNZCGP FCCH(SA) FAFPHM
Stephen Bird, BSc PhD Leic. PGCE ScEdu Sussex FIOB FBASES
Ron Borland, BSc Monash MSc Monash PhD Melb. MAPS
John Nicholas Crofts, MB BS Melb. MPH Monash FAFPHM
Graham Giles, BSc MSc Mich. PhD Tas.
Margaret Ann Hamilton, BA MSW Mich. DipSocSt
Allan Kellehear, BA PhD
Lenore Hilda Manderson, BA(AsianSt) ANU PhD ANU FASSA (Australian Research Council Federation Fellow)
John Mathews, AM, BSc Melb. MB BS Melb. MD Melb. PhD Melb. Hon DSc NT FRACP
FRCPA FAFPHM
Alan Rob Moodie, MB BS Melb. MPH Harv. FAFPHM
FRACGP DRACOG DTM Paris FAIM

Robert Power, BSc Lond. PhD Lond. PGCE Lond.
Edward William Russell, BA Melb. BEc Monash PhD Monash DipArchSt Lond. FAIM FIPAA(Vic)
Anthony Scott, BA Northumbria MSc York PhD Aberd.
Julian Savulescu, MB BS LaTrobe BMedSc LaTrobe PhD LaTrobe
Haydn Walters, BA Oxford BMBCh Oxford MA Oxford MRCP Lond. DM Oxford FRCP Lond. FRACP FCCP

Principal Fellows with the title Associate Professor

Donald Alexander Campbell, MBBS Monash MMedSc(Clin Epi) Newcastle MD Monash FRACP
Christopher John Clements, MB BS. Lond. MSc Manchester DipChildHlth, RCP Lond. DipObst Auck. FAFPH MFPH MCCM LRCP MRCS
Alex Cohen, BA NY MA NY PhD UCLA
Joan Cunningham, BA Harv. MLibArts Harv. PhD Harv.
Peter William Deutschmann, MB BS MPH FRACS
Dorota Gertig, MB BS Monash MHS(ClinEpi) UBC ScD(Epi) Harv. FAFPHM
William Hart, MB BS Monash MBScPrelim GDipCH LaTrobe
Fumi Horiguchi, BMed TokyoWmMed-College PhD Keio
Susan Hurley, BPharm Vic.Coll.Pharm. MPharm Vic.Coll. Pharm. MSc Wash. PhD Monash GAICD
Damien John Jolley, BSc Melb. MSc Lond. MSc LaTrobe DipEd SCVic.

Heath Kelly, BSc MB BS MPH *W.Aust.* FAFPHM
 Vikram Patel, MB BS *Bom.* MSc *Oxf.* MRCPsych RCP (UK)
 PhD *Lond.*
 Kelly-Anne Phillips, MB BS *Monash* MD *Monash* FRACP

Senior Fellows with the title Senior Lecturer
 James Francis Patrick Black, MB BS *Monash* MCommH *Liv.*
 PhD *Monash* DTM&H *Liv.* FAFPHM
 John Carnie, MB BS. MMed *Melb.* MPH *Harv.* DipCH *Ceylon*
 DipCH *Lond.* MRCP(UK) FRACMA FAFPHM
 John Condon, MBBS *Monash* MPH *Harvard* CertHlthEcon
Monash PhD *Charles Darwin*
 Michelle Haby de Sosa, BAppSc *S.Aust.* MAppSc *Syd.* PhD
Syd.
 Wendy Holmes, MB BS MSc *Lond.*
 Krishna Philip Hort, MB BS *Syd.* DRCOG *Lond* DTCH
Liverpool MCH *NSW* FAFPHM
 James Humphery, BA MA MPhil *Camb.* PhD
 Robin Hyndman, BSc PhD
 Rosemary Ann Lester, MB BS *Melb.* MPH *Monash* MS(Epid)
UCLA FAFPHM
 Duncan MacGregor, MB BS BMedSc PhD *Melb.*
 Catherine Louise Mead, PSM MB BS DPH *Syd.* FRACMA
 FAFPHM
 Michael Montalto, MB BS PhD DipRACOG *Melb.* FRACGP
 Daniel Reidpath, BA *Swinburne* PhD *W.Aust.* DEdPsych
Monash
 Mohammad Siahpush, BS MS *Utah* MBIstats *Melb.* PhD *Ohio*
 Julie Thacker, BSc *W.Aust.* PhD *ANU* GDipEd *Curtin* UCLES/
RSA CLEFLA *Lond.*
 Susan Treloar, BSocStud *Syd.* MSc *Lond.* MSW *NSW* PhD *Qld.*
 Tarun Stephen Weeramanthri, MB BS *W.Aust.*
 DipTropMedHyg *Lond.* PhD *Syd.* FRACP FAFPHM
 Godfrey Woelk, BSc(Soc) MCommH PhD *Wash.*

Fellows with the title Lecturer

Karyn Alexander, MBChB *Leicester* MPH *Monash*
 Laura Baglietto, BSc MSc *Italy* PhD *Birm.*
 John Biviano, BAppSc MBus *RMIT* GDipBus *RMIT*
 Michelle Boglis, RN
 Janet Briggs, BAppSc DipAppSc *LaTrobe* RN RM
 Clare Teresa Brophy, RN
 Richard Clark, BSc *Melb.* DHSc *Deakin*
 Heather Elizabeth Dawson, BAppSci(Physio) *Lincoln* BEd
 PGDipHlthResMethods *LaTrobe* MPH *Monash*
 Richard Di Natale, MB BS *Monash* MPH MHSc *LaTrobe*
 FAFPHM FACRRM
 Bircan Erbas, BSc *Melb.* MSc *Melb.* PhD *Melb.*
 Ashley Fletcher, BSc *Monash* MEpi GDipEpiBio *Melb.*
 Susan Foxman-Feldman, BA *LaTrobe* MA
 Jane Freemantle, PhD *UWA*
 Craig Lindsay Matthew Fry, BSc *Monash*
 Jane Gibson
 Elizabeth Hoban, BA *Edith Cowan* MTropHlth *Qld* PhD *Melb.*
 Sonja Hood, BA *Melb.* MSc *Penn.*
 Cecily Hunter, BA *Monash* MSc *Melb.* PhD *Melb.*
 Marita Kefford, DipAppSc *PhillipIT*
 Harald Klein, BA *Qld.* PhD *Monash*
 Ruth Lawrence, RN
 David Michael Lee, BAppSc(UTS) DrPH *Melb.* MPH
 GDip(CritCare) *Syd.* FRCNA FCN

Stephanie Lenko, GDipOHP *LaTrobe* RN RM
 Tania Lewis, BM BS *Otago* BA *Canterbury* MA *Canterbury*
 PhD *Melb.*
 Betty Yar Yuan Lim, BNurs *Deakin* RN
 Tamara Mackean, BM BS (hons) *UNSW* BM BS *UWA*
 MPH *Adel.*
 Ethna Mary Macken, BA *Swinburne* DipAppSc *PhillipIT* RN
 Milica Markovic, BSoc MSoc *Belgrade* PhD *Qld.*
 Brian McCoy, BA *Melb.* DipCrim *Melb* BTheol *Melb.* GradCert
 Comm Mental Hlth *Flinders* PhD *Melb.*
 Elizabeth McGrath, BA *Melb.*
 Roger Milne, BA *Melb.* BSW *Melb.* BComm *Melb.* GDipClinEpi
Monash
 Penny Mitchell, BSc Psych *NSW* MPH *Syd* PhD *Melb.*
 Alison Morgan, MB BS *Syd.* DRANZCOG DTM&H *Liverpool*
 Christopher John Morgan, MB BS *Syd.* DTCH *Liverpool*
 FRACP
 Paula Nathan, AssDipMedLabSci *RMIT*
 Kerry-Ann O'Grady, BScN *JCU* MAppEpid *ANU* GDipPH *Syd.*
 Aleck Ostrey, BSc *UBC* MSc *UBC* MA *Simon Fraser* PhD
UBC
 Phillip Patterson, RN IDCert
 Michaela Riddell, BAppSc *RMIT* GDipEpiBio *Melb.* PhD *Melb.*
 Mary Rillstone, BA MHS DipTheoSt *Otago*
 Jane Ryrie, RN
 Deborah Saunders, RN
 Gianluca Severi, BSc *Genoa* MSc *Milan Italy* PhD *Milan Italy*
 PhD *Birmingham UK*
 Serena Simms, RN
 Pamela Sinclair, DipAppSc RN
 Mary Rillstone, BA *Otago* MHS *Otago* DipTheoSt *Otago*
 Jacinta Sonego, BAppSc *LaTrobe* RN
 Patricia Staig
 Yvonne Stolk, BA MAResPsych MAClinical Psych PhD *Melb.*
 Kirsty Maree Thompson, BAppSc(OT) *Syd.*
 Loretta Thorn MB BS *Melb.*
 Diane Tibbits, BSc PhD *Monash* GDip *LaTrobe*
 Eve Urban, BN *LaTrobe* MEd *Monash* RN
 Sandra Walker, BA *Swinburne* GDipAppPsych *VUT* DPsych
Swinburne RN RM
 Marie West, RN
 Ann Westmore, BSc MSc PhD *Melb.*
 Vanessa Wood, BAppSc Nsg *LaTrobe* GDip Mgmt *VU*
 AdvSexualHealth Nurse
 Tiam Yap BAppSc *RMIT*

Adjunct Staff

Professors

Sidney Bloch, MB ChB *Capetown* PhD ECFMG DipPsyMed
 Sioban Nelson, BA *LaTrobe* PhD *Griff.*
 Loane Skene, LL.M *Monash* LLB Barrister & Solicitor *Victoria*

Senior Research Fellow

Jenny Lewis, BSc MEnvS PhD GDipRecPIng *Canberra*
 GDipPubPol

Senior Lecturers

Tim Marjoribanks, PhD *Harv.*
 Rosemary Robins, BA PhD *NSW*

MEGA

CENTRE FOR MOLECULAR, ENVIRONMENTAL, GENETIC AND ANALYTIC EPIDEMIOLOGY

ANNUAL REPORT 2007



Director of the Centre for Molecular, Environmental, Genetic and Analytic Epidemiology, Professor Dallas English.

The Centre for Molecular, Environmental, Genetic and Analytic (MEGA) Epidemiology's aim is to develop, promote and consolidate epidemiologic research and teaching. The Centre houses the Australian Twin Registry and has strong links with the Genetic Epidemiology Laboratory in the Department of Pathology, University of Melbourne.

Overview

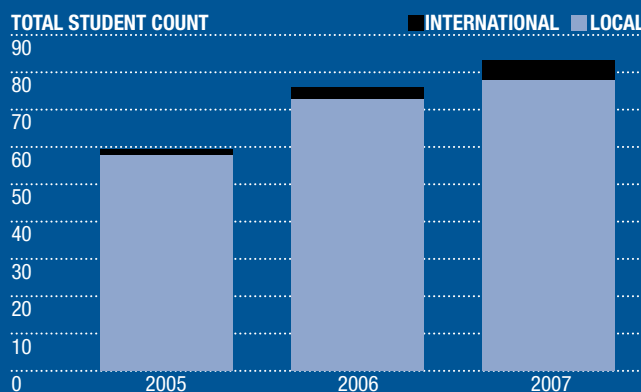
The Centre completed a successful year in 2007 as the detailed reports here indicate. Its contribution to the School of Population Health's postgraduate and undergraduate teaching programs is substantial and continues to grow. The feedback from students on the Centre's quality of teaching was excellent. A PhD student, Robert MacInnis, received a commendation in the Premier's Award for Medical Research. The Centre had substantial research output in terms of peer-reviewed publications and had great success in winning new competitive grants.

Professor John Hopper's outstanding research achievements were recognised by the award of an inaugural NHMRC Australia Fellowship. The prestigious Australia Fellowships are awarded to researchers with an exemplary record of achievements in a variety of fields.

Teaching and learning

The Centre delivers postgraduate coursework programs in Epidemiology and Biostatistics. Both streams have now been recognised with School Teaching and Learning

EPI/BIO SPECIALIST DEGREE ENROLMENTS BY YEAR




Awards. Professor John Carlin received the MSPH award in 2006 for the development of the Biostatistics suite of programs and in 2007 the MEGA teaching team, who re-developed the Epidemiology programs in the Master of Epidemiology and MPH, received an award for excellence in teaching and learning.

We have also had individual subject success stories. The introductory statistics subject coordinated by Julie Simpson in the MPH program delivered by the Victorian Consortium for Public Health was rated very highly by students across all universities, and achieved its highest student feedback for the quality of the lectures in the 10 years since the joint foundation program commenced (scored 4.5 out of a possible 5).

One of the Centre's specialist subjects, Infectious Disease Epidemiology, introduced in 2003, attracted the highest enrolments of any Masters level subject in the School in 2007 (n=43) while maintaining high overall student ratings for "is this subject well taught" (4.7/5).

Enrolments at course level were also higher in 2007. The maturation of the Biostatistics programs and the restructure of the epidemiology curriculum has resulted in the centre attracting higher numbers of both international and local students to our specialty programs.

In addition, the epidemiology/biostatistics stream within the MPH program continues to be the most popular stream choice within those offered by the School, and with the number of MPH students



on the increase, so too are the number completing the epidemiology/biostatistics stream. When MPH specialties and our specialist degrees are combined, the steady growth in successful completions is strong, rising by more than 100% in 2006, and a further 40% in 2007. Our contribution to the School's total completions has also risen over this time, from 21% in 2005, to 32% in 2006, and 36% by 2007.

Research

During 2007, academic staff of the Centre were first-named investigators on five NHMRC project grants and chief investigators on nine other successful NHMRC grants; three NIH; one ARC and nine other ongoing grants. Staff also maintain research collaborations with numerous national and international projects.

Actual income from research grants in 2007 was \$4.9 million, including funding from NIH (USA), NHMRC Fellowships, a NHMRC Capacity Building Grant in Population Health Research, a NHMRC Enabling Grant, NHMRC project grants, a NHMRC Strategic Award Grant, Career Development Awards, an ARC development project, NHMRC postdoctoral fellowships, along with University of Melbourne support, Cancer Council Victoria, National Breast Cancer Foundation,

Occupational Dermatology Research and Education Centre, Victorian Water Trust, and other external foundations and bequests. PhD sponsorship was received from within the University and CRC Aboriginal Health, Dairy Australia, DHS, NARI and NHMRC.

Several new grants were awarded in 2007. These include eight NHMRC grants, including an inaugural Australia Fellowship to John Hopper and a Career Development Award to Shyamali Dharmage; two Cancer Australia grants; three Victorian Cancer Agency grants; and two NIH (USA) subawards.

We published 72 peer-reviewed articles on a wide variety of topics. A common theme was the use of advanced epidemiological and statistical methods applied to molecular, clinical and public health problems.

Major research programs

Asthma, allergy and other respiratory disease

The research program on allergy, asthma and other respiratory disease at the Centre is headed by Dr Shyamali Dharmage. The aim of this program is to understand the complex interplay between environmental and genetic risk factors for these

diseases both in children and adults, and thereby to contribute to the development of interventions that could be directed at the population level, at high-risk groups, or at individuals. Over the past seven years, this program has provided training opportunities for a number of honours and doctoral students, and post doctoral researchers to undertake ground-breaking research at the forefront of airway disease research. Currently four PhD students and two postdoctoral research fellows are conducting their research within this research program. Over 2007, the research conducted within this program has been published in high impact journals, including the world's top allergy journal, and the researchers have frequently been interviewed by the media.

This program mainly encompasses two world-class longitudinal studies and is funded by a number of external funding bodies, including NHMRC.

The Centre, in collaboration with Monash University and the University of Tasmania, is investigating the natural history, environmental and genetic risk factors for adult asthma and chronic obstructive pulmonary disease using a large population-based prospective study of the 1961 birth cohort enrolled

in the 1968 Tasmanian Asthma Study, their parents and siblings. This is currently funded by the NHMRC project grants scheme, Tasmanian Asthma Foundation, Victorian Asthma Foundation, GSK and Sykes Trust. The 40-year follow-up of the siblings commenced with a postal survey of 21,000 siblings. The Centre, in collaboration with the Murdoch Childrens Research Institute and the Royal Children's Hospital, is investigating the natural history, environmental and genetic risk factors for childhood asthma and allergies using a population-based prospective study of a high risk cohort of children born from 1991-94 (the Melbourne Atopic Cohort Study). The 15-year follow-up of the MACS cohort including their parents and siblings is now funded by a Healthy Start to Life for All Australians NHMRC strategic award and will commence at the beginning of 2008.

In addition, the researchers of this program are collaborating with other local and international research groups working in this research area. The Centre is part of an international working group investigating early-life risk factors for asthma in collaboration with Haraldsplass Hospital, Bergen, Norway, and the Department of Public Health Sciences, King's College London. This is

a working group within the European Community Respiratory Health Survey that has been conducted in 56 centres in 28 countries, including Australia. A separate collaboration with the Royal Children's Hospital is investigating the prevalence of food allergy and its risk factors among infants, which is a population based cross sectional study funded by NHMRC. The Centre is part of a study investigating the impact of air pollutants and pollen on asthma hospital admissions conducted by the La Trobe University in collaboration with the Department of Human Services and Monash University. The Centre also has a collaborative study of occupational allergy underway. This is a study of prognostic indicators for occupational contact dermatitis in collaboration with the Occupational Dermatology Research & Education Centre, i.e. Skin Watch Study, and is currently following up a cohort of 600 workers who have been diagnosed as having occupational contact dermatitis.

Family studies of cancer

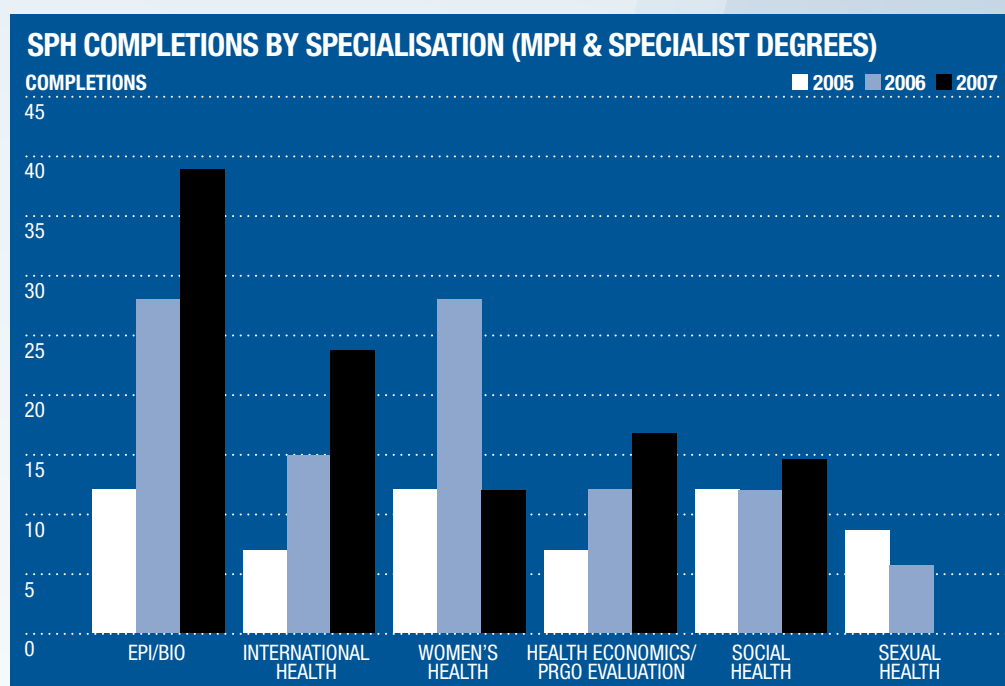
This program of research is headed by Professor John Hopper. The Centre has pioneered population based family studies of cancer that are emerging as a standard for genetic epidemiological research. The Australian Breast

Cancer Family Registry, the Australasian Colorectal Cancer Family Registry, the Australian Melanoma Family Study, the Victorian Paediatric Cancer Family Study, Australian Prostate Cancer Family Study (in conjunction with The Cancer Council Victoria), and The Twins and Sisters Study of Mammographic Breast Density (in conjunction with the University of Toronto and the Queensland Institute of Medical Research) are large population based and clinic based case control family studies funded by the National Health and Medical Research Council (NHMRC), VicHealth, the NSW Cancer Council and the National Institutes of

Health (USA). The analysis of genetic mutations and variants is a common thread to all studies and much of this work is being conducted in the Genetic Epidemiology Laboratory in the Department of Pathology at The University of Melbourne.

The Australasian Colorectal Cancer Family Study is Australia's foremost resource for research into the genetic and environmental causes of bowel cancer. The Principal Investigator, Professor John Hopper, in collaboration with Professor Jeremy Jass and colleagues throughout Australia and New Zealand, has been awarded \$16.7 million over 10 years to recruit colorectal cancer families, and collect blood

samples, epidemiological questionnaires, tumour samples, medical records, dietary questionnaires and family cancer histories from more than 28,000 individuals from over 7400 families. This study is funded by the National Institutes of Health (USA) as part of an international consortium, the Colon Cancer Family Registry. Other collaborating institutions include the Mayo Clinic, the Fred Hutchinson Cancer Research Center, the University of Hawaii, Cancer Care Ontario, and the University of Southern California. More than 13,000 families have been recruited. Major funded projects stemming from the Colon CFR include: studies to



identify new genes for bowel cancer; studies on bowel cancer aetiology including molecular pathways; studies on the risk of cancer in carriers of mutations in known high risk genes; and studies on cancer prevention including screening – as well as over 100 other studies related to bowel cancer. The Australasian Colorectal Cancer Family Study is expected to continue recruitment and follow-up of all participants under new funding in 2008 for a further four years.

The Melbourne Collaborative Cohort Study

The Melbourne Collaborative Cohort Study (MCCS) is conducted by The Cancer Council Victoria and is headed by Professor Graham Giles (honorary professorial fellow). Professors Dallas English and John Hopper are chief investigators on the study and it represents Professor English's main research interest. It is a prospective cohort study of 41,528 people (17,049 men, 24,479 women) aged between 40 and 69 years at recruitment, which occurred between 1990 and 1994. An unusual feature of the study is that 25 percent of participants are migrants to Australia from Italy and Greece. These migrants were included to increase the variability in lifestyle and genetic factors. The main focus of the study to date has been on identifying risk factors for cancer, type 2 diabetes, cardiovascular disease, eye disease and arthritis. During 2007, new grants were awarded to study the role of infection and inflammation in causing

prostate cancer, risk factors for gastro-oesophageal reflux disease and Barrett's oesophagus (a precursor to oesophageal cancer), risk factors for molecular subtypes of colorectal cancer and risk factors for breast cancer.

Hereditary Haemochromatosis

This program of research is headed by Dr Lyle Gurrin and Associate Professor Katie Allen from the Murdoch Childrens Research Institute. Between 2003 and 2006, more than 1000 participants in the Melbourne Collaborative Cohort Study (which started in the early 1990s) were recruited by the HealthIron study, an investigation into the genetic and environmental modifiers of inherited disease of iron overload known as hereditary haemochromatosis. These participants visited a study centre in Carlton, provided blood samples, completed questionnaires and underwent a clinical examination. Analysis of data during 2007 revealed that those experiencing iron overload are much more likely to have symptoms of serious disease than previously thought. Almost 30 percent of men who are genetically predisposed to accumulate too much iron in their body (due to having two faulty copies of the HFE [haemochromatosis] gene) had signs of iron overload related disease such as fatigue, arthritis, abnormal liver function tests or signs of liver damage. Women with the same genetic predisposition to iron overload had only a one percent chance of developing signs and

symptoms of disease. Reasons for the difference in disease risk between men and women, and the identification of other genetic and environmental modifiers (using genotyping of iron-related genes from collected blood samples and the extensive databases of questionnaire responses) will be the focus of research on the HealthIron project over the next year.

Investigators from the HealthIron study at the Centre for MEGA Epidemiology, The Cancer Council Victoria and the Murdoch Childrens Research Institute have been awarded a project grant from the National Health and Medical Research Council to link records from the HealthIron database to the Australian Red Cross Blood Service to obtain details of the blood donation history of HealthIron participants. Although hereditary haemochromatosis can be both treated and prevented by regular blood donation, it is not known how frequently those at genetic risk of iron overload need to donate blood for them to benefit from it, and whether the age at which people start donating blood is important. The aim of this study will determine whether earlier treatment by blood removal is more effective at preventing disease than treatment after diagnosis when symptoms are already present. Results from this new work will have important implications for the cost-effectiveness of population genetic screening for hereditary haemochromatosis. We hope that this collaborative project will demonstrate that

the resources of a large, population based cohort study can be combined effectively with health services databases to answer questions about chronic conditions of adult life and promote healthy ageing.

Statistical methods

This program of research is headed by Professor John Hopper. Methodological research in biostatistics has focused on the development and refinement of methods for genetic epidemiology and for the analysis of correlated data more generally. These include methods of clustering and data reduction for extracting relevant information from pathology data, optimising design of genome-wide scans and methods for analysing data from families, for both continuous and binary outcomes. These studies help us understand the aetiology of disease and provide opportunities for public health interventions such as targeted screening of high risk individuals and families.

Community-Onset *Staphylococcus aureus* Household Cohort study

This research program is led by Dr Catherine Bennett. The Centre is leading research on the epidemiology of community-onset *Staphylococcus aureus* infections, and virulent antibiotic resistant 'MRSA' or 'superbug' strains in particular. We are among the first researchers globally to recognise MRSA as being more than a hospital-based issue, and to approach this as a community-wide public health problem.

Fellowship to expand pioneering research

The School of Population Health's Professor John Hopper has already started putting his 2007 Australian Fellowship – for which funding commenced in October 2007 – to work.

Worth \$4 million over five years, this highly prestigious award enables the Director (Research) and Professorial Fellow of MEGA (Molecular Environmental Genetic & Analytic Epidemiology) to expand his pioneering research.

Over a 15-year period, Professor Hopper has become internationally renowned as a leader in genetic epidemiology and was recently named as a Member of the Order of Australia (AM). His citation in the 2008 Australia Day honours noted his service to public health and the biomedical sciences, particularly in the field of genetic epidemiology as an academic and researcher, and to the Australian Twin Registry.

Drawing upon large population-based studies, he investigates the roles of genetic and environmental factors on risks of breast cancer, colorectal cancer, early childhood cancer, melanoma, prostate cancer and other diseases.

Professor Hopper's work is highly collaborative, relying for its success on networks within the



Collaborative effort: "We are now at the cutting edge of cancer genetics world-wide," says Professor Hopper. "It has taken years of work to get to this position."

University of Melbourne, across Australia and around the world. Working closely with Professor Graham Giles, the Director of the Cancer Epidemiology Centre at The Cancer Council of Victoria, Professor Hopper has developed extensive resources – including DNA samples from 100,000 Australians – that provide a solid foundation for an intensive, well-structured research program. "We are now at the cutting edge of cancer genetics world-wide," Professor Hopper says. "It has taken years of work to get to this position."

He cites two defining characteristics of their work: it takes a population-based perspective and it focuses on early onset disease. Examples of the latter include breast cancers before age 40, colorectal cancers before age 45 and melanomas

before age 40. "By studying early onset cancers, genetic factors are more likely to play an important role, and we are more likely to identify those genes because more of the previous generations are living."

Professor Hopper and colleagues have identified that there are very high risks of early onset breast and colorectal cancer that appear to have a familial nature, if not a genetic cause, suggesting there are genes yet to be discovered. "One of our major efforts will be to find early onset cancer genes that have not been identified by previous studies."

He says they are developing new protocols to rapidly identify mutation carriers among people with early onset cancers by working with surgeons and hospitals that treat

these patients. Substantial savings in public health expenditure would result from offering genetic testing to these patients, rather than the traditional model of testing only families who present themselves to genetic-testing clinics, he says.

"For over 50% of the people we test we will be finding mutation carriers whereas at the moment, through the current cancer family genetic services, that figure is about 10 to 20%."

Those who are identified as mutation carriers and their carrier relatives then have a much better chance to minimise their future cancer risks and/or get better treatment. "By taking a population-based approach to targeted genetic testing, we can use genetic knowledge to save lives."

The collaborative research group combines Centre expertise in infectious disease epidemiology with clinical (Austin Health) and laboratory capacity (Royal Perth Hospital and Dorevitch Pathology). Our pilot research work started in 2004 and anticipated the international interest now being focussed on this problem. In 2007, we took our pilot findings to the international research community at the 47th Annual Interscience Conference on Antimicrobial Agents & Chemotherapy in Chicago, and we were awarded a project grant by the NHMRC to expand this work into a substantial community-based study.

Australian Twin Registry (ATR)

Professor John Hopper is the Director of the ATR. During 2007 the ATR continued to develop and improve service levels to the Twin Research community.

Governance: The development of an Operational Manual covering all policy and procedure undertaken by ATR and the subsequent Human Research Ethics Committee approval of this document was a highlight of the work of the Management Group and Advisory Board. This clarification also resulted in a review and update of the fees and charging policy of the ATR. The ATR also published a mid-grant report to stakeholders (ATR Annual Report 2005-2007), which outlined activities and

achievements over Year 2 and Year 3 of the current NHMRC Enabling Grant. The ATR Advisory Board met throughout 2007, accepting four new members. Sue Treloar resigned as Deputy Director of ATR, and Debra Foley was accepted into the role.

Capacity Building: In terms of our efforts to build the capacity of the ATR, the project 'Mothers and Twin Children (match)' was launched and began recruitment. This project aims to recruit mothers pregnant with twins. Data collection is undertaken throughout the pregnancy and includes the collection of cord blood samples at the time of birth. The ATR also continued work on consolidation with the West Australian Twin Registry (WATR) and the West Australian Twin Children study (WATCH), including a facilitation workshop to define shared goals and an action plan.

Projects: The ATR completed an electronic back-up of all registration documentation in conjunction with The University of Melbourne Imaging Department. This was to ensure that this business critical documentation was backed up and easily accessible to ATR staff. A Data Archiving Project subcommittee was formed and recommendations were made to the ATR Advisory Board.

There was an email-based promotional campaign to universities Australia wide to encourage interest in utilising ATR and the ATR-awarded Round 3 and 4 of the ATR Travel Grant Scheme totalling \$10,000. This funding was provided to researchers to continue to promote and improve their skills in twin research. A workshop exploring research utilising twin children was convened which stimulated conversation to encourage use of this underutilised cohort.

The Stakeholder Survey project initiated during 2006 was completed and a report delivered to key stakeholders. This report outlined a range of actions the ATR will take to improve facilitation of twin research across Australia.

The start of the year saw our online registration system launched via the revamped website, which led to an increase in monthly registrations of 36 percent. The ATR also sponsored the 'Bundles for Multiples' Australian Multiple Birth Association initiative, which will assist in recruitment of members.

Conferences: Sue Treloar, ATR Deputy Director, John Hopper, ATR Director, and Supriya Raj, Match Coordinator, presented ATR work at the International Congress on Twin studies (ICTS) in Ghent, Belgium. The ATR sponsored the Gene Mappers 2007 Conference in Brisbane, which included

staffing a booth at the conference venue. Many ATR-supported studies presented their results at the conference. Our relationship with the Australian Multiple Birth Association led to presentations on the ATR and genetics of twinning at the AMBA NSW State Symposium and the AMBA National Convention.

Research: Several important studies began in 2007: Garland (HPV/Cervical Cancer risk factors), Trollor (Brain Ageing), Greene (Calcium in Teens), Fatkin (Atrial Fibrillation), Dent/Hay (Attention), Halliday (Folate) and Champion (Growing Pains). Recruitment for 18 studies was conducted throughout 2007 (total activity 100 mailouts, in excess of 8085 mailed approaches – number of approaches reduced due to increase in use of telephone follow-up). New studies in development during 2007 scheduled for commencement 2008 (pending final approval) include: Marks (Reasoning), Seeman (Menopause) and Mayberry (Autism).

Community activities

Staff of the Centre have many varied and influential external advisory roles related to research policy, policy and practice of public health and policy related to teaching of public health. These include memberships of boards and advisory committees, memberships

of grant review panels and membership of Human Research Ethics Committees.

Publication highlights

For a full list of publications, see the 2007 Publications Report, page 93.

Jenkins MA, Hayashi S, O'Shea AM, Burgart LJ, Smyrk TC, Shimizu D, Waring PM, Ruszkiewicz AR, Pollett AF, Redston M, Barker MA, Baron JA, Casey GR, **Dowty JG**, **Giles GG**, Limburg P, Newcomb P, Young JP, Walsh MD, Thibodeau SN, Lindor NM, Lemarchand L, Gallinger S, Haile RW, Potter JD, **Hopper JL**, Jass JR. Colon Cancer Family Registry. Pathology features in Bethesda guidelines predict colorectal cancer microsatellite instability: a population-based study. *Gastroenterology*. 2007;33:48-56

This is an international collaborative study of the pathology of over 1000 colorectal cancer study participants from three countries that identified specific pathological features that could be clinically used to triage tumours for mismatch repair function. The clinical implications of these findings, which were published in the leading colorectal disease journal, *Gastroenterology*, was that mismatch repair function tests on about half of early-onset tumours could be avoided. It has been nominated as a "top pick" by the National Cancer

Institute's Epidemiology and Genetics Research Program.

Apicella C, **Dowty JG**, **Dite GS**, **Jenkins MA**, Senie RT, Daly MB, Andrulis IL, John EM, Buys SS, Li FP, Glendon G, Chung W, Ozcelik H, Miron A, Kotar K, **Southey MC**, Foulkes WD, **Hopper JL**. Validation study of the LAMBDA model for predicting the BRCA1 or BRCA2 mutation carrier status of North American Ashkenazi Jewish women. *Clin Genet*. 2007 Aug;72(2):87-97

In collaboration with UK colleagues, we developed a simple algorithm, called LAMBDA, for estimating the probability that an Ashkenazi Jewish woman carries a founder mutation in the genes BRCA1 or BRCA2, and thereby placing her at a high risk of developing breast and/or ovarian cancer. This paper presents a validation of LAMBDA using data from North America. LAMBDA performed excellently, and better than other computer models such as BRCAPRO. LAMBDA does not require a computer and can be readily used by women and health professionals.

Easton DF, Pooley KA, Dunning AM, Pharoah PD, Thompson D, Ballinger DG, Struwing JP, Morrison J, Field H, Luben R, Wareham N, Ahmed S, Healey CS, Bowman R; SEARCH collaborators, Meyer KB, Haiman CA, Kolonel LK, Henderson BE, Le Marchand L, Brennan P, Sangrajrang S, Gaborieau V, Odehrey F,

Shen CY, Wu PE, Wang HC, Eccles D, Evans DG, Peto J, Fletcher O, Johnson N, Seal S, Stratton MR, Rahman N, Chenevix-Trench G, Bojesen SE, Nordestgaard BG, Axelsson CK, Garcia-Closas M, Brinton L, Chanock S, Lissowska J, Peplonska B, Nevanlinna H, Fagerholm R, Eerola H, Kang D, Yoo KY, Noh DY, Ahn SH, Hunter DJ, Hankinson SE, Cox DG, Hall P, Wedren S, Liu J, Low YL, Bogdanova N, Schürmann P, Dörk T, Tollenaar RA, Jacobi CE, Devilee P, Klijn JG, Sigurdson AJ, Doody MM, Alexander BH, Zhang J, Cox A, Brock IW, MacPherson G, Reed MW, Couch FJ, Goode EL, Olson JE, Meijers-Heijboer H, van den Ouweland A, Uitterlinden A, Rivadeneira F, Milne RL, Ribas G, Gonzalez-Neira A, Benitez J, **Hopper JL**, McCredie M, **Southey M**, **Giles GG**, Schroen C, Justenhoven C, Brauch H, Hamann U, Ko YD, Spurdle AB, Beesley J, Chen X; kConFab; AOCs Management Group, Mannermaa A, Kosma VM, Kataja V, Hartikainen J, Day NE, Cox DR, Ponder BA. Genome-wide association study identifies novel breast cancer susceptibility loci. *Nature* 2007;447:1087-93.

This high profile paper, published in *Nature*, is the result of a worldwide collaboration to find new genes involved with breast cancer risk. It identified six new "loci" of which there are common markers (SNPs) associated with small increased risks. Due to the

enormous sample size of the replication study (50,000 cases and controls), the results have high credibility. The Australian Breast Cancer Family Study and the Melbourne Collaborative Cohort Study (Health 2020) contributed the vast majority of the Australian samples to this endeavor, which in total was about 10 percent of the replication data set.

Matheson MC, B Erbas, Balasuriya A, **Jenkins MA**, **Wharton CL**, MLK Tang, Abramson MJ, **Walters EH**, **Hopper JL**, **Dharmage SC**. Breastfeeding and Atopic Disease: A Cohort Study from Childhood to Middle-age. *Journal of Allergy and Clinical Immunology*. 2007;120(5):1051-7. (IF=8.829)

The literature regarding the association between breastfeeding and atopic diseases has been contradictory. Possible explanation for these discrepancies includes differing duration of follow-up, variation in breastfeeding duration and difference in asthma definition. Furthermore, while several studies have examined risk of asthma and atopy into early adolescence, fewer have followed subjects into adulthood and none into middle-age. This is the first study that prospectively examined the effect of exclusive breastfeeding in the first three months of life on risk of current asthma and atopy throughout childhood and into middle age. Our

study found at age seven, exclusively breastfed children with a maternal history of atopy had a marginally lesser risk of current asthma than those not exclusively breastfed. However after age seven the risk reversed and exclusively breastfed children had an increased risk of current asthma at 14, 32 and 44 years. Exclusively breastfed children also had a reduced risk of food allergy at age seven but an increased risk of food allergy and allergic rhinitis at 44 years. The current clinical recommendation is to breastfeed high risk infants for protection against asthma and allergic disease. Our study suggests that breastfeeding of these infants can be recommended for protection against early wheezing illness, however it should be reconsidered for protection against allergic asthma and atopy in the longer term. This paper was published in the *Journal of Allergy and Clinical Immunology*, which is the highest ranking allergy journal. It received considerable local and international media attention. The paper also provides further evidence for the modification of clinical guidelines regarding protection against asthma and allergies.

Lowe AJ, Hosking CS, **Bennett CM, Carlin JB, Abramson MJ, Hill DJ, Dharmage, SC.** Skin prick test can identify eczematous infants at risk of asthma

and allergic rhinitis. *Clin Exp Allergy* 2007;37:1624-31.

Eczema in early life affects approximately 20 percent of babies, and it is believed to be a risk factor for childhood asthma and hay-fever. It has been suggested that this increased risk may be greater in toddlers with atopic eczema (with allergic sensitisation), rather than those with non-atopic eczema (without sensitisation). In this paper, we found that infants with atopic eczema had an almost three-fold higher risk of childhood asthma and hay-fever than infants with non-atopic eczema. The risk was even greater if the child had a very large skin prick test reaction. This indicates that there are at least two forms of eczema, and that the prognosis of atopic and non-atopic eczema are quite different.

This paper has implications for research, clinical practice and health policy. Separating atopic and non-atopic eczema may aid in discovering risk factors for each form of eczema, as it seems likely that the risk factors for these conditions are different. This work also indicates that skin prick testing of eczematous infants is useful in identifying children at the greatest risk of asthma and hay-fever. As skin prick testing is limited outside specialist allergy centres, which have long waiting lists, there are also

implications for health care policy on how this test is provided.

These findings have attracted widespread media interest. The University of Melbourne highlighted this study in *Melbourne University Visions* (episode 18), while Channel 10 reported these results to a national television audience. In addition, the study findings have been summarised in national radio programs and in newspapers. A representative of the Department of Health and Ageing requested a copy of this manuscript to brief the minister on these findings.

Bennett CM, Gao M, Dharmage S. HbA1c as a screening tool for detection of type 2 diabetes: A systematic review. *Diabet. Med.* 2007;24:333-343.

A systematic review of nine primary cross-sectional studies was conducted to assess the validity of glycated haemoglobin A1c (HbA1c) as a screening tool for early detection of Type 2 diabetes using the oral glucose tolerance test as the reference standard and fasting plasma glucose (FPG) as a comparison. We found HbA1c and FPG to be equally effective screening tools for the detection of Type 2 diabetes. The HbA1c cut-off point of > 6.1 percent was the recommended optimum cut-off point for HbA1c in most reviewed studies; however, there is an argument for population-specific cut-off points as

optimum cut-offs vary by ethnic group, age, gender and population prevalence of diabetes. Previous studies have demonstrated that HbA1c has less intra-individual variation and better predicts both micro- and macrovascular complications. Although the current cost of HbA1c is higher than FPG, the additional benefits in predicting costly preventable clinical complications may make this a cost-effective choice.

Milne E, **Simpson JA, Johnston R, Giles-Corti B, English DR.** Time spent outdoors at midday and children's body mass index. *Am J Public Health* 2007;97:306-10

This publication arose from an intervention to reduce sun exposure in primary school children in Western Australia. Sun exposure is the main cause of skin cancer, which is particularly common in Australia. Previous papers had shown that the intervention was effective in reducing the time that children spent outdoors in the middle of the day. Of concern was the possibility that the intervention might have caused children to become more sedentary and hence increase their risk of becoming overweight or obese. This publication showed that this was not the case. Thus, sun exposure can be reduced without compromising other important components of promoting health.

MELBOURNE SCHOOL OF POPULATION HEALTH

CHS

CENTRE FOR HEALTH AND SOCIETY

ANNUAL REPORT 2007



Director of the Centre for Health and Society, Professor Ian Anderson.

The key focus for the Centre for Health and Society (CHS) is the interdisciplinary study of health, illness and healthcare in local, national and international settings. The Centre brings perspectives from the humanities and social sciences to the study of medical science, clinical and public health practice and health policy.

Overview

This year saw the Centre for Health and Society (CHS) continue to grow both in terms of size and productivity. We welcomed Professor Marcia Langton, Foundation Professor of Australian Indigenous Studies at the University of Melbourne, and her team. Our position as a joint centre within the Faculty of Medicine, Dentistry and Health Sciences and the Faculty of Arts was further strengthened with the new appointment of Dr James Bradley, a medical historian who is jointly working with CHS and History and Philosophy of Science.

As the University of Melbourne moves towards the Melbourne Model with its emphasis on Knowledge Transfer/Exchange, CHS continues to foster and grow its long-term commitment in this area. Since the inception of CHS and the Onemda VicHealth Koori Health Unit, one of the Centre's achievements has been its commitment to building and nurturing relationships, which has led to a strong record in Knowledge Transfer/Exchange.

In 2007, these achievements included, firstly, Professor Marcia Langton, Odette Mazel and the Agreements, Treaties and Negotiated Settlements (ATNS) project

team being awarded an inaugural Vice-Chancellor's Knowledge Transfer Award. This project outlines agreements with Indigenous people across various jurisdictions and has led to an internationally-recognised resource which is publicly accessible.

The project, involving a number of industry partners, has played an important role in agreement-making by highlighting the importance of proper processes needed to monitor and evaluate the benefits (and pitfalls) of agreements to all signatories. The ATNS website receives an average of more than 460,000 hits each month.

For further information about the ATNS project and the award, see <http://www.atns.net.au/> or http://www.knowledgetransfer.unimelb.edu.au/KT_NOV07_webversion.pdf

In addition to this achievement, Priscilla Pyett and Deborah Warr were awarded a University of Melbourne Knowledge Transfer Grant to examine models of community development in collaborative health research, where universities engage with disadvantaged communities to conduct health research.

Another achievement in the area of Knowledge Transfer/Exchange in 2007 was the

appointment of Associate Professor John Fitzgerald, Principal Research Fellow at the Centre for Health and Society, as the inaugural Associate Dean (Knowledge Transfer) in the Faculty of Medicine, Dentistry and Health Sciences.

In addition to John's appointment was his innovative work in developing and curating the Needle and Syringe Culture Exhibition (18–28 July). The exhibition featured 35 interviews and micro movies with people who are involved with syringes – including a syringe disposal worker, immunisation clinic workers, drug users, and a family with twin sons who have type 1 diabetes. It also included a number of needles and syringes from the University's Medical History Museum. To view the catalogue from the exhibition, see <http://www.nspresearch.unimelb.edu.au/pods/catalogue.pdf>

To assist the Centre with its strategic development and management, a new Advisory Committee was established in February 2007. The CHS Advisory Committee will assist the Centre to develop links between its academic teaching and research program and stakeholders in the community, health professions and policy sector; provide advice on

strategies of engagement with the University of Melbourne Growing Esteem agenda; and assist the Centre in developing its national and international profile.

We are grateful to the following Advisory Committee members for their valuable input and involvement in the future development of the Centre:

- Professor Terry Nolan, Head, School of Population Health (Chair)
- Alison McClelland, Executive Director, Research, Strategic Policy and Research Division, the Department of Planning & Community Development, Department of Human Services
- Demos Krouskos, CEO, Centre for Culture, Ethnicity and Health
- Justin Mohammed, Director of the Academy of Sport, Health and Education (ASHE) and Chair VACC
- Tass Mousaferiadis, Director, Research, Strategy and Policy, VicHealth
- Dr Neil Levy, Centre for Applied Philosophy and Public Ethics, University of Melbourne
- Associate Professor Jenny Lewis, Centre for Public Policy, University of Melbourne
- Dr Helen McDonald, The Australian Centre, University of Melbourne
- Professor Jane Gunn, Department General Practice, University of Melbourne
- Professor John Wiseman, McCaughey Centre, University of Melbourne

Aboriginal health programs

This year saw Onemda VicHealth Koori Health Unit strengthen its existing relationships at local, national and international levels. The planning processes identified three key overarching themes which ties Onemda's research, teaching and community development together:

- 1) Aboriginal Health Policy, Health Information systems and practice;
- 2) The social context of Aboriginal Health (and Interventions in Aboriginal Health); and
- 3) The Aboriginal Health Workforce.

Onemda's research grant applications in 2007 were rewarded with a very high success rate. This success was for both established and emerging researchers, and for Indigenous and non-Indigenous academics within the Unit. This included an ARC Indigenous Researcher's Development Grant to Kyllie Cripps; a number of project grants from NHMRC, ARC, Department of Human Services Victoria, VicHealth and the CRC for Aboriginal Health; a NHMRC Senior Research Fellowship to Kevin Rowley; and several grants for the development and evaluation of teaching and learning curricula.

The second Leaders in Indigenous Medical Education (LIME) Connection meeting was overseen by the LIME project officers, culminating in a successful conference in Sydney in September, attracting international presentations from New Zealand, North America and the Pacific Islands. The LIME website was launched at the

LIME Connection, and it was announced that the LIME network would be funded for a further 12 months.

The teaching program delivered by Onemda continued to consolidate its presence within the Faculty of Medicine, Dentistry and Health Sciences. This year saw new stand-alone subjects in Indigenous health being delivered to the School of Nursing and the Department of Psychiatry, while continuing to deliver an integrated program to the medical course. The Indigenous health suite of subjects in the Master of Social Health program continues to have increasing student numbers, while maintaining above average Quality of Teaching results.

Medical history programs

The Medical History Program, under the umbrella of CHS, includes the Johnstone-Need Medical History Unit, the Medical History Museum and the Gateways to the History of Medicine. Achievements in 2007 for the Medical History Program included James Bradley being awarded a University of Melbourne Early Career Research Grant, for his project *The Medical Society of Victoria and the Making of the Colonial Medical Profession, 1855-1901*. To consolidate the position of the Medical History Museum, particularly in relation to the Growing Esteem model, a review of the role of the Museum was carried out by Dr Ann Westmore. This review has led to a report which outlines recommendations for future directions of the Museum. Strategies for implementing these recommendations are currently being developed.

Teaching and learning

Undergraduate

CHS staff members continued to play a major role in curriculum development, subject coordination and teaching in the University of Melbourne's undergraduate medical curriculum. The Centre contributed to the teaching of ethics, Aboriginal health, sociology of health and illness, the history of medicine and health policy in the Health Practice subject of the undergraduate medical curriculum.

Postgraduate

The CHS offers a comprehensive postgraduate coursework program in Social Health that reflects the Centre's unique interdisciplinary environment. Within the Social Health program, students can undertake a comprehensive interdisciplinary program, or choose streams in Ethics, Medical Anthropology, Aboriginal Health or Health Care History. The program continues to draw local and international students who are interested in using approaches from the social sciences and humanities to the study of health and health care.

Research highlights

In 2007 the CHS continued to be highly research productive, both in terms of attracting research income and producing research outcomes. Research outcomes generated included academic publications and presentations, community reports, discussion papers, as well as refereed conference proceedings. This year's research achievements included:

Fellowships

- Kevin Rowley being awarded a NHMRC Research Fellowship.
- Kyllie Cripps being awarded an ARC Indigenous Research Development Fellowship, together with Professor Ian Anderson, Professor Marcia Langton, Dr Maggie Walter and Associate Professor Mark Rose: *Approved Building and supporting community led partnership initiatives to respond to Indigenous family violence in Victoria.*
- Jane Freemantle being awarded an ARC Fellowship as part of a Discovery Project, with Professor IP Anderson, Professor J Ozanne-Smith, Associate Professor JL Halliday, Ms J Gallagher, Ms M Davey, Ms ME Sullivan and Ms PT Muth: *A mortality profile of Victoria's Aboriginal (and non-Aboriginal) children 1998-2008 using an innovative method and research process.*

Research grants

- Dr Priscilla Pyett and Dr Deb Warr, University of Melbourne Knowledge Transfer Grant.
- Dr James Bradley, University of Melbourne Early Career Research Grant: *The Medical Society of Victoria and the Making of the Colonial Medical Profession, 1855-1901.*
- Dr Yin Paradies, ARC Linkage Grant with Associate Professor KM Dunn, Dr A Pedersen, Associate Professor J Forrest, Associate Professor DF Ip and Professor H Babacan: *Constructing regionally*

appropriate anti-racism strategies for Australia.

- Dr Kevin Rowley and Dr Priscilla Pyett, NHMRC Project grant with colleagues, Professor Siaw-Teng Liaw, Dr John Furler, Dr Margaret Kelaheer and Dr Phyllis Lau: *Culturally appropriate diabetes care in mainstream general practice for urban Aboriginal & Torres Strait Islander people.*
- Professor Marcia Langton with colleagues, Professor LW Russell and Dr Z Ma Rhea, ARC Project grant: *Food, Traditional Aboriginal Knowledge and the Expansion of the Settler Economy.*

Key Achievements

Staff

- John Fitzgerald was appointed as Associate Dean (Knowledge Transfer) in the Faculty of Medicine, Dentistry and Health Sciences.
- Marilys Guillemin and Lynn Gillam were awarded a 2007 Carrick Australian Award for University Teaching (Priority area: team teaching).
- Ian Anderson was a finalist in the Smart 100 list, *The Bulletin*.
- Bill Genat was promoted to Lecturer Level C.
- Paul Stewart was promoted to Lecturer Level B.
- Yin Paradies was awarded the NAIDOC (National Aborigines and Islanders Day Observance Committee) scholar of the year.
- Marcia Langton and the Indigenous studies team were awarded one of

four Knowledge Transfer Excellence Awards given by the University of Melbourne for the Agreement Treaties and Negotiated Settlements project.

- Nicole Waddell won the Outstanding Victorian Koori Student of the Year Award, as part of the National Training Awards.
- Alexis Wright was awarded the Miles Franklin award for her book, *Carpentaria*.

Other achievements

CHS 2007 PhD completions

The Centre is proud of our high quality PhD candidates, most of whom are funded on prestigious PhD scholarships including NHMRC, Australian Postgraduate Awards, Melbourne Research Scholarships and VicHealth scholarships. In 2007 we saw the successful completion of four of our PhD students (see below). These PhD projects were excellent illustrations of the Centre's interdisciplinary focus in combining perspectives from the humanities and social sciences to the study of medical science, clinical and public health practice and health policy.

The PhD completions were:

Kowal, Emma, *The Proximate Advocate: indigenous health on the postcolonial frontier.*

Adams, Karen, *Koori kids and otitis media prevention in Victoria.*

Fetherstonhaugh, Deirdre, *Hobson's choice: Dialysis or the coffin! A study of dialysis decision-making amongst older people.*

Hall, Sandra, *Decolonisation or recolonisation? A*

comparative analysis of colonial constructs and racial discourse in key Indigenous policy statements in Australia and Aotearoa.

Publication highlights

For a full list of publications, see the 2007 Publications Report, page 93.

The Centre continued its established record of high numbers of research publications. These comprised a total of 78 publications, 46 of which were DEST publications. These publications covered the areas of health policy, youth drinking, ethical decision-making, Aboriginal health, and research methodologies.

In addition to these academic publications were a number of research outputs that are illustrative of our record of knowledge transfer/exchange. An example of this is the Talkin' Up Good Air: Australian Indigenous Tobacco Control Resource Kit. This is a national Indigenous tobacco control health promotion resource kit developed for use by the Aboriginal and Torres Strait Islander community to assist health professionals, along with community and education workers, to become community leaders in the area of tobacco control; raise the priority of tobacco control in Indigenous communities; and build community ownership in tobacco control by supporting community-initiated and controlled action.

An electronic version of the kit can be downloaded at http://www.ceitc.org.au/resource_development_program

Award for 'intellectual duelling'

Winning a prestigious 2007 Carrick Award for Australian University Teaching in the category of team teaching has given associate professors Marilys Guillemain and Lynn Gillam recognition of their skills and contributions, and much more.

The teachers and researchers from the Centre for Health and Society won the award for their innovative teaching of social health, health ethics and qualitative research design to postgraduate students.

Their unorthodox but passionate and highly successful approach to team teaching has them both in the classroom throughout, challenging each other's ideas and exploring issues without always knowing where a lesson will lead.

Associate Professor Guillemain says, "Applying for and then winning the award forces you to stop and reflect and articulate what you do and why you do it that way. It's a really useful process, personally and professionally. That's been fantastic."

For Associate Professor Gillam, the award has connected them with colleagues in other disciplines within the University and at other institutions and also to being part of a "bigger picture". "You don't normally talk to other people in other disciplines in the university about teaching – so it has put us in touch with others," she says. "That gives you a sense of broadly working with other people towards the same goal: of engaging students and opening up people's minds."

It has renewed her sense of vocation: "I think that education, and being taught well in a supportive learning environment, is one of the best things that can happen to anyone and I want to make that happen because I think it transforms people's lives."

Their differences in personality, academic background and



philosophies create a dynamic, stimulating team-teaching approach that was dubbed "intellectual duelling" by one student. Associate Professor Guillemain is a sociologist of health and illness, with a background in microbiology and education. Her research for the past 15 years has been informed by gender and feminist theory. Associate Professor Gillam is a bioethicist with a background in moral philosophy, theology and classics, who has never noticed gender differences.

The pair say that intellectual tension and disagreement are the cornerstones of their approach. Their award application noted: "We don't just teach our students about social health, we teach them about the value of diverse perspectives, about respecting other points of view and, above all, we give them the capacity – and the licence – for independent, critical thought. In short, we don't just tell them how to be critical thinkers, using intellectual

Team teaching:
Associate professors Marilys Guillemain (left) and Lynn Gillam say that intellectual tension and disagreement are the cornerstones of their approach.

duelling we show them how it works in action."

Despite their differences, their common ground is a shared passion for teaching, "and a shared vision for stimulating engagement, critique and active learning in our students," they wrote.

It is obvious that both find their work intensely rewarding. For Associate Professor Guillemain, "It's most gratifying when our students come back and they have adapted the kind of learning skills they've acquired to their own context and taken that in new directions. That's brilliant. That to me, is the most satisfying part of my job."

Associate Professor Gillam particularly enjoys seeing mature age students replace initial uncertainties about being in a tertiary classroom with self discoveries of new possibilities through learning. "It makes people think of themselves in a totally different way," she says. "All sorts of things can happen and that's really exciting."

MELBOURNE SCHOOL OF POPULATION HEALTH

KCWHS

KEY CENTRE FOR WOMEN'S HEALTH IN SOCIETY

WHO COLLABORATING CENTRE FOR WOMEN'S HEALTH ANNUAL REPORT 2007

**Director of Key Centre
for Women's Health in
Society: Professor Doreen
Rosenthal.**



The Key Centre for Women's Health in Society, since its foundation in 1988, has been at the forefront of thinking, researching, teaching and disseminating information about women's health.

The vision for the Key Centre is that it will be the leading centre for research, education and advocacy in women's health, gender and society in Australia and the Asia-Pacific region.

The Key Centre's work recognises that women's health and wellbeing is integral to the health and wellbeing of their families and the whole community.

Overview & key achievements

The Key Centre continues to contribute, at the highest level, to research, teaching and training, and knowledge transfer in women's health.

Significant highlights of 2007 include:

- The Key Centre was redesignated as a World Health Organisation (WHO) Collaborating Centre in Women's Health for a further five years, and remains one of only two such Centres worldwide. Our WHO connection is a significant honour which enables the Centre to work with greater recognition internationally.
- Organisation and co-hosting of an international experts' meeting on maternal mental health and child development held in Hanoi, Vietnam, between 19-27 June. The meeting was a joint initiative with WHO and UNFPA and brought together experts in the field from many countries, together with government officials from Vietnam.
- Our annual conference in 2007 was on the topic *Abortion in Victoria: Where are we now? Where do we want to go?* This highly successful event provided an opportunity for collaboration between four key organisations involved in women's health. As well as the Centre, these were the Royal Women's Hospital, Women's Health Victoria, and Family Planning Victoria. The conference was held in November with over 140 participants from community organisations, government and tertiary institutions. The 'Melbourne Declaration', which outlined key recommendations, was endorsed by the conference participants and will be widely circulated. The conference coincided with the deliberations of the Victorian Law Reform Commission on the laws relating to abortion.
- AusAID awarded an Australian Travelling Award to Dr Tuan Tran, Director of the Research and Training Centre for Community Development (RTCCD) in Hanoi, Vietnam. The award enabled Dr Tuan Tran to be located at the Centre for three months to continue and extend his research collaboration with Jane Fisher and Doreen Rosenthal; in particular to increase his capacity to lead mental health service and system development, and contribute to a national mental health policy in Vietnam.

- Eminent women's mental health expert, Professor Donna Stewart, Lillian Love Chair of Women's Health, University of Toronto, visited the Centre and gave a special public lecture as part of the Royal Women's Hospital 150th anniversary celebrations.
- Our new postgraduate teaching program, aimed at providing a contemporary suite of subjects, was implemented and was extremely well received by students.
- Your Sex Health website (www.yoursexhealth.org), developed at the Key Centre, was judged 'Best in Class' in the prestigious international Interactive Media Awards for the education category. This is the highest honour bestowed by the New York-based Interactive Media Council. The website was also judged best education resource for tertiary students in the Australian Teachers of Media awards for 2007.
- The Victorian Lifestyle and Neighborhoods Environment Study (VicLANES) report was launched by the Victorian State Health Minister, Ms Bronwyn Pike, on 23 May.
- Professor Doreen Rosenthal, Centre Director, was inducted into the Victorian Honour Roll of Women for advancing understanding of sexual and reproductive health. Established in 2001, the Honour Roll recognises the significant contributions that women have made to their communities and to the lives of other women.

Funding highlights

- \$376,375 awarded over three years from 2007 by the National Health and Medical Research Council (NHMRC) to Associate Professor Jane Fisher, Dr Heather Rowe and Professor Doreen Rosenthal on *Randomised trial of early parenting interventions (REPIT)*.
- \$50,000 awarded over five years by the Harold Mitchell Foundation to support two travelling Fellowship each year, one for a postdoctoral Fellow and the other for a PhD student.
- Awarded in 2007 (to start in 2008), \$486,250 from the NHMRC on *Evaluation of the efficacy of the Australian mammographic screening program*, to Associate Professor Anne Kavanagh and Ms Carolyn Nickson.
- Awarded in 2007 (to start in 2008), \$124,151 from the National Heart Foundation on *Environmental predictors of biomarkers of cardiovascular disease & diabetes heart*, to Associate Professor Anne Kavanagh.

Further information about these highlights, and on other activities and outcomes at the Key Centre, can be found on the website at <http://www.kcwhs.unimelb.edu.au/>

Staff arrivals

Dr Jane Hocking and **Dr Shelley Mallett** were appointed as Senior Lecturers to the Key Centre. Jane Hocking, an epidemiologist with research

interests in sexual health, started at the Key Centre in May. She is currently a National Health and Medical Research Council Post Doctoral Research Fellow and was already a staff member at the Melbourne School of Population Health. Jane Hocking was also the staff recipient of the Harold Mitchell Travelling Fellowship in 2007.

Shelley Mallett is a medical anthropologist interested in marginalised young people and community development. She also is currently a VicHealth Senior Research Fellow, having joined the Key Centre in 2003 with the *Project i* team.

Ms Jenny Cope joined the Key Centre in January to work with Associate Professor Anne Kavanagh as an Administrative Assistant. Jenny has a degree in the History of Art and Design from the Metropolitan University, Manchester, and has worked for various arts organisations and festivals and as an events coordinator.

Dr Helen Rawson was appointed to manage the NHMRC-funded Randomised Early Parenting Intervention Trial (REPIT), to investigate the efficacy of a residential early parenting centre. Helen's PhD thesis was on the factors that shape the sexual behaviour of Vietnamese-Australian young women.

Dr Helena Sandahl is a clinical psychologist who was appointed to work with Professor Rosenthal and Associate Professor Fisher in writing a WHO-commissioned systematic review of the determinants of adolescent mental health

problems in resource constrained countries.

Dr Susan Peake was appointed as a researcher to work on a Melbourne Research Grant Scheme project, funding being awarded to Professor Rosenthal and Dr Maggie Kirkman, and called *Discourse, Technology and the Reproductive Life*. Susan was awarded her PhD through the Key Centre in 2005.

Departures

Dr Elizabeth Bennett returned to New Zealand in May 2007 after four-and-a-half years at the Key Centre. Elizabeth joined the Centre in 2002 as a member of Professor Lenore Manderson's Federation Fellow team. More recently, she contributed in a teaching capacity at the Centre and represented the Centre in several international activities.

Ms Lauren Matheson completed her two-year contract in November 2007 as project manager for the PEPP Project, leaving to take up a position in Ethiopia as a Health Information Officer with the International Rescue Committee. Lauren came to the Key Centre to study and complete a Master's in Women's Health after undergraduate studies in her native Canada.

Ms Amanda Tattam, the Centre's Community Liaison Officer and Research Translator, left in February 2007 upon completion of the VicHealth grant. Amanda came to the Key Centre 18 months ago with a background in journalism. Her media skills were put to outstanding use in providing

accessible information about the Key Centre's research and she was able to attract increased media exposure for research undertaken within the Key Centre. In addition to the considerable media coverage she obtained for the Centre, she was also responsible for research dissemination through presentations, fact sheets and reports.

Teaching and learning

This year saw some reshaping of courses, continuing development of teaching in Japan and a high output of degrees awarded. Also see <http://www.kcwhs.unimelb.edu.au/courses> for more information.

Postgraduate Award teaching

In 2007 the Key Centre offered a new, updated and more flexible course program to postgraduate students. The Centre's postgraduate courses are informed by a social model of health which focuses on understanding women's health as it is shaped by familial, social, economic, cultural and political contexts. Our courses are unique in Australia and internationally and articulate into other programs. The changes in course content reflect the changing health environment, including the development of new technologies, increased requirements for an evidence base for policy and practice and demographic changes in terms of ageing and fertility. All of these have distinct effects on women.

The suite of new subjects, which is comprehensive and contemporary, is designed

to provide students with an ability to utilise new knowledge and technologies, and to develop lifelong skills of critical enquiry and a sustained capacity to integrate research evidence from multiple sources into practice, policy and research. Response from students has been very positive. We made some changes to the subject and course structure for 2008.

Short course in Women And Global Health

This short course addressed the health of women in the dynamic context of development, globalisation and social and cultural change. Run concurrently with the award subject in Women's Health, it explored the determinants of health and illness of women in this international context, with a particular emphasis on the Asia Pacific Region. There was an emphasis on practical training in the development and use of gender and rights assessment tools for health policy in developing and newly-industrialised countries.

Degrees

The following degrees were awarded in 2007:

PhD

- **Karen Eileen Adams** *Koori kids and otitis media prevention in Victoria.*
- **Phoebe Albina Bwembya** *Reproductive decision making of HIV positive Zambian women.*
- **Atika Farooqui** *Tobacco use during pregnancy and perinatal health in rural Karnataka, India.*
- **Vanessa Johnston** *Weapons of mass destruction: the health*

impact of human rights violations in the context of Australian asylum seeker policies.

- **Saw Saw** *Strategies for public-private partnership in tuberculosis control: involvement of private practitioners in Myanmar.*
- **Katherine Vasey A** *Country Welcome: Emotional wellbeing and belonging among Iraqi women in rural Australia.*
- **Paul Myers** *Hepatitis C testing among young people who experience homelessness in Melbourne.*
- **Narelle Warren** *Markers of midlife: interrogating health, illness and ageing in rural Australia.*

Doctor of Public Health

- **Victoria Team** *Health and caregiving experiences of Russian speaking women migrants.*

MWH by Research

- **Lignet Chepuka** *Experiences of HIV-positive mothers with dependent children in Blantyre, Malawi.*

MPH with Research Project in Women's Health

- **Kelsi Kriitmaa** *Prevalence and determinants of common mental disorders in pregnant women in Vietnam.*
- **Julia Leinweber** *The costs of 'being with the woman' - Secondary Traumatic Stress in Midwifery.*
- **Catherine Mary Mayes** *Understanding the impact of the grey legal status of abortion in Victoria on women's access to abortion.*

MWH by Coursework with Research Report

- **Cameryn Garrett** *Being an XY female: An analysis of accounts from the website of the Androgen Insensitivity Syndrome Support Group.*
- **Ornwipa Rugkhla** *Condom use and STI rates in female sex workers who attended the Melbourne Sexual Health Centre between 2004 and 2007.*

MWH by Coursework

- **Letsema P Oagile**
- **Karin Butler**
- **Shukrya Nasrah**
- **Josephine Foong Yin Wong**

Master of Medicine (Women's Health) by Coursework

- **Meike Magnasofa**

Postgraduate Diploma in Women's Health

- **Anna Kristen Butlinski**

Teaching in Japan

This was a highly successful year in the Master's of Women's Health (in Japanese Language), which is offered to Japanese health professionals. Organised through the School of Enterprise, teaching took place in intensive blocks in Tokyo and Oyama, Japan, with Dr Heather Rowe (May) and Dr Deborah Keys (August) teaching three subjects between them to a total of 14 students overall.

In May, Associate Professor Jane Fisher, Dr Heather Rowe and Professor Fumi Horiguchi attended the third Master of Women's Health graduation ceremony in Japan for two students who completed their degrees

under this program in 2006. Professor Fisher also attended a further graduation in October, while Dr Keys attended an Alumni Dinner in August.

AMS Achievements

Five Advanced Medical Science (AMS) students completed projects with the Key Centre in 2007. They were:

- **One Bayani** *Screening for Chlamydia.*
- **Ayu Hasida Hassan** *Service delivery for women who have experienced rape in Penang, Malaysia.*
- **Sari Intan Nordin MD Saleh** *Exploring attitudes, knowledge and self-efficacy of physical activity by gender and socio-economic position.*
- **Belinda Elizabeth Oddy** *Social burden of disease of postnatal depression in women admitted to early parenting centres.*
- **Amy Claire Williamson** *Geographic separation from family of origin in first time parents.*

Student awards

Victoria Team was awarded the 2007 Australian Federation of University Women (AFUW-Vic) scholarship for a coursework student.

Sudirman Nasir has been awarded a prestigious Nossal Institute of Global Health fellowship for his PhD titled *Ethnography of drug use in a slum area (Lorong) in Makassar, Indonesia.*

Lukar Thornton was the student recipient of the Harold Mitchell Travelling Fellowship (\$5000) in 2007, awarded by the Key Centre from funding by the Harold

Mitchell Foundation. He visited institutions in the Netherlands and the USA, spending time with Assistant Professor VK Subramanian at Harvard University, who is a supervisor on this thesis. His PhD thesis is on the subject *Individual and environmental influences on fast food intake.*

Ahsan Maqbool Ahmad, Lukar Thornton, Carolyn Nickson and Catherine Mayes were all recipients of the Key Centre's student support bursary of \$1000.

Research

The Key Centre's research program has gone from strength to strength. The Key Centre's research concentrates on four core themes:

1. Health services and technology

The KCWHS conducts a diverse range of research on health services for women and young people and the effect of technological interventions on women's health. Research in these areas variously focuses on screening programs, governance, evaluation of practice in relation to evidence based guidelines, communications styles with socially disadvantaged sub-populations and culturally and linguistically diverse women; critical analysis of the ideas and policies that inform service delivery; client access, uptake, satisfaction and engagement with services; and service provider reflections on practice. KCWHS also conducts research in partnership with health and welfare services.

2. Mental health and wellbeing

Women experience the common mental disorders of depression and anxiety at two to three times the rates reported in men. Research at the KCWHS focuses on the social determinants of mental health and on the relationships between women's physical health and their psychological wellbeing. We aim to translate our research findings to improve mental health literacy among health care professionals and to reduce the stigma about mental health in the broader community.

3. Reproductive and sexual health

This research theme explores the social determinants and consequences of fertility and infertility; the impact of technologies on women's reproductive mental health; development and evaluation of health promotion programs for pregnancy and early parenthood; sexual and reproductive health of young people; and cervical cancer, Human Papilloma Virus (HPV) and attitudes to HPV vaccine.

4. Social and economic inequalities in health

Our research focuses on how differences in the social and economic circumstances of individuals and communities are related to health differentials. Research conducted in this theme investigates the circumstances and processes that contribute to social and economic inequalities in health. Some of the characteristics that are of particular interest include social networks and social capital; behaviour

and practices; and the importance of geographic location.

Following are some highlights from some of the specific project work undertaken at the Centre during the year. Further details can be also found at <http://www.kcwhs.unimelb.edu.au/research>

Understanding women's experiences of unplanned pregnancy and abortion

This project has two components: an audit of data collected by the Pregnancy Advisory Service of the Royal Women's Hospital and interviews with women who have contacted the service about a pregnancy for which they may be considering abortion. Both components are progressing well. The audit was completed on 30 September 2007, with data recorded from nearly 4000 women, and most of the 60 interviews were conducted in 2007, with the final few in early 2008. Women were invited to participate in the interview component if they were aged 16-18, lived in a rural or regional area, or approached the Pregnancy Advisory Service when their estimated gestation was 12-18 weeks. Of the 60 women interviewed, five are continuing their pregnancies; the remainder had an elective abortion.

Analyses of the audit and interviews are continuing. Preliminary results of both components were presented at the conference 'Abortion in Victoria: Where are we now? Where do we want to go?', at the University of Melbourne on 30 November 2007.

Shining a light on Centre and staff

Professor Doreen Rosenthal AO retires in February 2008 as Director of the Key Centre for Women's Health in Society. Recognised internationally as an expert in the field of adolescent sexuality and sexual and reproductive health, Professor Rosenthal compressed the equivalent of a career-span of productivity into her five-year appointment. By her own assessment, "These past five years have been a very *busy* time for people but we have achieved a huge amount".

The progress of the Key Centre under her leadership is recorded in its annual reports, which chart its increasing productivity and the emergence of more highly focused research activities and changes in subjects taught in the Centre's courses.

To read between the lines of the reports is to trace the development of many academic careers over the years. Under Professor Rosenthal's encouragement and guidance, the number of staff presenting at international forums, publishing widely in respected journals and gaining competitive grants and academic promotions rose steadily.

Tapping the potential of her staff was one of Professor Rosenthal's early priorities when she became Director in 2001, having previously been the Foundation Director of the Australian Centre for Research in Sex, Health and Society (ARCSHS) at La Trobe University. "My aim was to develop partnerships with staff that would support them in further developing their careers. We were applying for more major competitive grants and focusing together on the



sorts of activities they needed to engage in if they wanted a promotion and, importantly, what their goals were in making a real contribution to women's health."

Raising the Key Centre's profile was an urgent priority. "I had a sense that very few people knew about the Key Centre. Even though it had been going since 1988, it seemed to have slipped off the map both within and outside the University," she says. "I wanted to see that the very good work that was being done by some people at the Centre was recognised and utilised."

Part of Professor Rosenthal's early work focused on setting up policies to ensure that the Key Centre functioned optimally, she says. She initiated a review of the Centre's research programs that highlighted its strengths and goals, developed research and teaching programs that aligned with the Centre's priorities and ensured that these new policies were observed.

She takes pride in having been "ahead of the game" in practising Knowledge Transfer before it was a University policy. "I brought with me from my earlier work a very keen interest in ensuring that the outcomes of the research that we do get disseminated widely and, in particular, to policy makers and to service providers, which is the way we operated at ARCSHS."

Professor Rosenthal persuaded VicHealth to fund a part-time community liaison officer on staff. Initially, not all staff were comfortable doing media interviews about their research findings or producing reports for policy makers. "That was part of a huge cultural change in the organisation and it was not without its stresses," she says. The development of a stronger collegial spirit at the Key Centre has been a positive result of this cultural change, she says. Among the issues that still cause her great concern, she cites the need for better communication

Raising the profile: "I wanted to see that the very good work that was being done by some people at the Centre was recognised and utilised," says Professor Rosenthal.

between biomedical and clinical researchers, and social researchers. "It's important that biomedical and clinical researchers recognise the importance of understanding and valuing the contributions that social researchers can make, and that we take every opportunity to work together."

Clinical research into women's cancers, for example, will not necessarily reveal the reasons behind women's decisions concerning such critical issues as screening and treatment. "Social research contributes to understanding the social, environmental, economic and psychological contexts in which these decisions are made – or not made."

The opportunity to learn about women's health, work with highly talented people and develop strong networks have been rewarding aspects of her time as Director of the Key Centre, she says.

While her role as Director is over, her academic career continues. Her renowned energy will undoubtedly maintain her enthusiasm for discovering new ideas, knowledge and people as she pursues her own research interests, works with PhD students, serves on boards, and finds more time for recreation.

The Project's chief investigators are Professor Doreen Rosenthal, Dr Heather Rowe, Dr Shelley Mallett (from KCWHS), and Ms Annarella Hardiman (Royal Women's Hospital). Dr Maggie Kirkman is the Research Director. It is funded by an ARC Linkage Grant, in partnership with the Royal Women's Hospital and VicHealth.

AusAid Fellowship

The Key Centre was one of 39 organisations awarded Fellowship grants worth a total of \$8 million to host 370 fellows from across the Asia Pacific region. The aim is to strengthen ties between Australia and promising leaders and organisations within the Asia Pacific region. The Key Centre hosted Dr Tran Tuan, Director of the Research and Training Centre for Community Development (RTCCD) in Hanoi, Vietnam. The grant enabled Dr Tran Tuan to spend three months at the Key Centre, working closely with Associate Professor Jane Fisher and Professor Doreen Rosenthal. Dr Tran Tuan also spent time at the School of Population Health's Centre for International Mental Health with Associate Professor Harry Minas and with Professor Helen Herrman at the Australian International Health Institute.

Discourse, Technology and the Reproductive Life

A preliminary study, funded by the University of Melbourne and designed to address proposed methods of investigation for a broader study of reproductive lives of young adults, has been conducted by Professor Doreen Rosenthal, Associate

Professor Jane Fisher, Dr Maggie Kirkman and Dr Susan Peake.

The broader study seeks to understand how young adults construct their past, present and future reproductive lives and how participants might represent the complex interactions among technology, social policy, intimate relationships and personal fulfillment.

Launch of VicLANES

The Victorian Lifestyle and Neighborhoods Environment Study (VicLANES) report was launched by Health Minister Bronwyn Pike in May 2007. This report was the culmination of a three-year project to study the food purchasing, alcohol consumption and exercise habits of almost 5000 people in 50 low, medium and high socio-economic status neighborhoods around Melbourne. Funded by VicHealth, the project was led by Associate Professor Anne Kavanagh. The study showed that reducing the density of fast food outlets and improving walking tracks could help promote healthy behavior in local communities. It also found that lower socio-economic areas also had twice as many fast food outlets than high socio-economic areas and fewer kilometres of walking tracks.

Research based resource for young homeless mums

The voices of young mothers who took part in a qualitative research project were featured in a new booklet by Dr Deb Keys. The project, 'Becoming a mother', explored the impact

of becoming a mother on young women who have experienced homelessness. It was carried out in partnership with Family Access Network, an accommodation and support service for young people.

The booklet, *Becoming a mum – just the whole world changes*, covers the social aspects of pregnancy, birth and motherhood from the perspective of homeless young mothers, and provides contact details and resources for others who may find themselves in similar circumstances. It was launched in June by Ms Tanya Plibersek, now the Minister for Status of Women, at a public forum, together with a report of the findings. The research was funded by a Telstra Foundation Community Development grant, with additional funding from the Department of Human Services, Office of Housing.

Telling it Your Way: A Guide for Parents of Donor-Conceived Adolescents.

This book, designed to assist parents to disclose to their children that they were conceived using donated sperm or eggs, was launched on 8 August, 2007, by Victoria's Infertility Treatment Authority, which described it as "the world's first evidence-based 'telling' guide for parents of donor-conceived adolescents".

The book is based on research conducted by Dr Maggie Kirkman and written with Professor Doreen Rosenthal, in collaboration with Ms Louise Johnson, Chief Executive Officer of the ITA. The research

involved group discussions with students, aged 14 to 18 years.

Update on the PEPP trial

Associate Professor Jane Fisher and Dr Heather Rowe report that their trial of the new parenting program, *PEPP: Living well with a first baby*, has moved into its second phase. The intervention arm of the trial was launched in February and participants are now being recruited to Phase 2 of the trial. Two successful pilot seminars were run and they were enthusiastically endorsed by the 10 families who took part.

The ultimate aim of the project is to incorporate PEPP into the usual care and education provided by maternal child health nurses across the country. Thanks to the efforts of the project management team, the local government collaborators, 55 recruiting nurses, a fleet of interviewers and three highly trained facilitators, the study was on target to complete data collection by the end of October 2007. A website for both professionals and consumers is under development.

The PEPP trial is funded by a grant from the Commonwealth Government's Department of Family and Community Services and Indigenous Affairs to assess the seminar's efficacy in improving new parents' mental health.

Grants and contracts (commencing in 2007)

Keys DW. Young mothers and mental health, how mothers' groups can help. \$14,568, Windemere Foundation.

Fisher JRW. Australian Leadership Awards: Fellowship for Dr Tran Tuan. \$34,754, AusAID.

Fisher JRW, Rowe HJ, Rosenthal DA. Quinlivan J, & Gurrin L, Randomised trial of early parenting interventions (REPIT). \$376,375, National Health and Medical Research Council. Partner organisation: Tweddle Child and Family Services.

McMahon C, Gibson FL, **Fisher JRW.** Boivin J, & Saunders DM, Age at first birth, mode of conception and adjustment to parenthood. Australian Research Council, \$255,000, 2007-2009, Macquarie University, University of Melbourne. Partner organisations: IVF Australia, Melbourne IVF.

Richardson S, Baum F, **Kavanagh AM,** LaMontagne A, Ziersch A, Lowry D, Lester L, **Bentley R.** Changing patterns of employment and unemployment: impacts on physical and mental health and the mediating role of social capital. \$1,060,623, 2007-2011, NHMRC Strategic Award.

Rosenthal DA, Kirkman M, Fisher J, & Sullivan E. Investigation of the reproductive lives of young adults who live in the technological age: feasibility of method. \$23,402, University of Melbourne Research Grant.

Rosenthal DA, Mallett S, Williams H, **Keys D,** & Jordan L. Making it Real: relevant sexual health communication for young people, \$98,536, Department of Human Services, Victoria.

Knowledge Transfer

Community Activities

Media Activity: at the coalface of knowledge transfer

Key Centre staff were regularly in the news, offering comment about topical issues or talking about their own research. Over the past few months, Professor Doreen Rosenthal, Associate Professor Jane Fisher, Associate Professor Anne Kavanagh, Dr Karin Hammarberg, Dr Deb Keys, Dr Maggie Kirkman and Dr Louise Keogh have appeared in print, on radio, TV and on line. They spoke about sex and young people, the ethics of surrogacy, teenage motherhood, the effect of infertility on motherhood, findings from VicLANES, family planning and the optimal age for childbearing. Some of these items can be read on the news section of our website at <http://www.kcwhs.unimelb.edu.au/news>

Breastfeeding submission

Dr Lisa Amir, Amanda Cooklin and Amanda Tattam prepared a submission for the Parliamentary Inquiry into Breastfeeding, with contributions from Heather Rowe and Karin Hammarberg, in February 2007. The submission canvassed the following topics:

- The need for research to understand which interventions promote breastfeeding postnatally;
- Caesarean birth and assisted conception as risk factors for breastfeeding cessation;
- Need for public health

education campaign to promote breast milk as optimal infant food for first six months of life; and

- Requirement for evidence-based clinical guidelines for clinicians (GPs, paediatricians, midwives, maternal/child health nurses) to address and treat breastfeeding problems.

A sexual and reproductive health website with a difference

A new reproductive and sexual health website was launched by the Key Centre and is already helping young people throughout Australia and around the world deal with their real-life dilemmas. *Your sex health* contains facts and true stories for 16 to 24-year-olds and has been translated into French and Spanish.

It has been warmly welcomed by health professionals and others working with young people and has won two prestigious awards.

The site is online at www.yoursexhealth.org and is a follow-up to the earlier award-winning site, *The Hormone Factory* (www.thehormonefactory.com), targeted at 10 to 12-year-olds and developed by a team headed by Professor Rosenthal.

Launch of Report on Assisted Reproductive Technology and Adoption

Dr Maggie Kirkman was invited by the Victorian Law Reform Commission to be one of three speakers after the tabling of its *Report*

on *Assisted Reproductive Technology and Adoption* at Parliament House, Melbourne, on 7 June 2007. The other speakers were the acting chair of the VLRC, Dr Iain Ross, and Infertility Treatment Authority deputy chair, Mr Michael Gordon. The event was chaired by the Victorian Attorney General, Mr Rob Hulls. The report was officially launched on 21 June in the Redmond Barry Room, 55 Collins Street, Melbourne, and Dr Kirkman was invited to speak once again, along with Mr Hulls and the Infertility Treatment Authority chair, Professor Jock Findlay. The launch was chaired by the Chief Commissioner of the VLRC, Professor Neil Rees.

Visitors/new collaborations

Professor Chris Bayly, Associate Director, Women's Services, Royal Women's Hospital, elected to spend six months study leave from November 2007 with the Key Centre, attending seminars and working on collaborative projects with staff.

Ms Kerry O'Rourke, Public Health Trainee, started a four-month rotation in October 2007, working with Dr Jane Hocking.

International Activities

World Health Organisation

Collaboration with WHO continued successfully in 2007, with Associate Professor Jane Fisher visiting Geneva in March and again in September. Her visits were mainly related to two consultancies awarded to the Key Centre in 2006, of approximately \$135,000. The first, smaller project was a

review and discussion paper on health workers dealing with adolescent mental health problems, conducted by Associate Professor Fisher and assisted by Dr Helena Sandahl.

The second was to enable Associate Professor Fisher to organise an international expert meeting on maternal mental health and child health and development, co-hosted by the Research & Training Centre for Community Development, Hanoi, Vietnam. Associate Professor Fisher and Professor Doreen Rosenthal, with assistance from Ms Kelsi Kriitmaa, attended the meeting in Hanoi in June, together with leading international researchers in the field and including delegates from Pakistan, Japan, South Africa, France, Switzerland, Turkey, United Kingdom, Nigeria, India, Vietnam and Australia. Outcomes of the meeting will include a joint publication of the state of the art papers presented at the meeting, a summary of the evidence and a Consensus Statement.

International Conferences and Collaborations

March: Dr Louise Keogh presented at the 2nd Biennial Meeting of the International Society for Gastrointestinal Hereditary Tumours, Kyoto, Japan.

April/May: Dr Heather Rowe taught in the Master of Women's Health (Japanese) in Tokyo, and also presented a lecture to Master of Midwifery students at Keio University, Tokyo, Japan.

May: Associate Professor Jane Fisher and Dr Heather

Rowe both presented at the International Psychosocial Obstetrics & Gynaecology Congress, Kyoto, Japan.

Dr Rebecca Bentley attended the International Social Network Conference Corfu Greece. While there, she also participated in the Workshop on the Analysis of Longitudinal Social Network Data. Dr Bentley then visited the University of Glasgow, Scotland, to present a seminar at the Social & Public Health Sciences Unit.

August: Professor Doreen Rosenthal and Dr Shelley Mallett travelled to the USA, first visiting the Centre for Community Health, UCLA, to make presentations on knowledge transfer regarding homeless youth research. They then visited Washington DC for research collaborations.)

Dr Karin Hammarberg was invited to present a keynote lecture to the Fertility Centre Symposium at the University of Gothenburg, Sweden, based on her PhD research.

September/October: Associate Professor Jane Fisher, after visiting WHO in Geneva, was an invited participant to a conference on post-traumatic stress disorder and childbirth, University of Sheffield, England.

October: Associate Professor Jane Fisher was a visiting scholar at Sapporo University, Japan, and was the keynote speaker at the Congress of the Hokkaido Society of Maternal Health. She also gave a public lecture at the Tokyo Women's Medical University, Japan.

December: Professor Doreen Rosenthal and Dr Shelley Mallett attended a NIHE/UCLA workshop in Hanoi, Vietnam, on Structural Community-led Interventions, also holding several meetings with US and Vietnamese collaborators.

International Visitors

Associate Professor VK Subramanian, Harvard School of Public Health, Harvard University, visited the Key Centre in June 2007, maintaining his regular collaboration with Associate Professor Anne Kavanagh on issues around social determinants of health, multi-level modelling and health inequalities.

Professor Donna Stewart, Lillian Love Chair of Women's Health, University of Toronto, visited the Key Centre on 5 September and presented a Melbourne School of Population Health Seminar on international women's wealth indicators (mental health, general health): a comparison between Canada, Peru and Colombia. She was in Australia as part of the Royal Women's Hospital 150th anniversary celebrations.

Conferences and public presentations

See also <http://www.kcwhs.unimelb.edu.au/news/conferences> for more information.

Abortion in Victoria: Where are we now? Where do we want to go?

This conference involved about 140 participants from community organisations, government and tertiary institutions and took place at the University on 30

November. It led to a set of statements to be known as 'The Melbourne Declaration' outlining the key things women in Victoria want in abortion policy and services. The statements call for the same rules that apply to best practice in any other medical or surgical procedure being applied to women undergoing abortion and their providers.

Talking secret women's business

Doctors Heather Rowe and Karin Hammarberg convened the local organising committee for the 33rd Annual Scientific Meeting of the Australian Society for Psychosocial Obstetrics and Gynaecology, held in Melbourne in August. Entitled 'Talking secret women's business', this year's conference gave voice to aspects of women's health and wellbeing that do not usually make front page news.

Publication highlights

For a full list of publications, see the 2007 Publications Report, page 93

Cooklin Amanda R, Rowe Heather J, Fisher Jane

RW. 'Employee entitlements during pregnancy and maternal psychological well-being', *Australian and New Zealand Journal of Obstetrics and Gynaecology* 2007; **47**: 483-490

Pregnant women's mental health is multifactorially determined. The workplace environment is known to be salient to mental health, but its contribution to antenatal psychological functioning was unknown.

This study investigated the relationship between employment conditions and antenatal mental health in Australian women. A sociodemographically diverse consecutive cohort of 171/205 (83%) employed nulliparous women was recruited in late pregnancy. Data were collected by structured interview and self-report questionnaires. They included employment arrangements, experience of pregnancy-related discrimination as defined by the Human Rights and Equal Opportunity Commission, access to maternity leave entitlements and standard assessments of mood.

Overall, only 46% had access to paid maternity leave. Despite current Australian legislation mandating unpaid maternity leave for all women continuously employed for a year, only 60% had access to it. One in five women reported at least one form of HREOC-defined workplace discrimination, including negative or offensive comments from an employer, difficulty negotiating leave for medical appointments or exclusion from promotion because of the pregnancy. In total, two-thirds of participants reported at least one form of pregnancy-related workplace adversity.

We found that workplace adversity was independently associated with poorer maternal psychological well-being. Although routine assessment of mental health in pregnancy is now recommended, workplace adversity has not been identified as a salient risk factor. Our data indicate that

employment conditions and workplace discrimination contribute to the mental health of pregnant Australian women.

The relevance to public health and public policy of these findings was highlighted by the Australian and New Zealand Journal of Obstetrics and Gynaecology, which selected the paper as the feature article in the issue of publication.

Fisher JRW, Hammarberg K, Baker G. 'Antenatal mood and foetal attachment after assisted conception'. *Fertility and Sterility* 2007, doi: 10.1016/j.fertnstert.2007.05.022.

We have shown through cross-sectional surveys and a medical record audit that Australian women conceiving with assisted reproductive technologies (ART) are at fourfold risk of admission to early parenting treatment programs compared with those conceiving spontaneously. In order to identify prevalence and determinants of antenatal mood disturbance and other risks for early parenting difficulties after assisted conception, we initiated a prospective investigation of a consecutive cohort of women who conceived with ART. Participants were followed from confirmation of a viable pregnancy until their infants were 18 months old.

This paper reports data about psychological functioning during early and late pregnancy. Of the 288 women with confirmed pregnancies, 239 were contactable, and 183 (77%) were recruited, 95% of whom completed both early and

late pregnancy assessments. Participants were socio-economically advantaged, had very good pregnancy health, exceptional marital relationships, normal personality styles, and intense affectionate attachment to the foetus. Very few (<5%) had clinically significant mood disturbance in late pregnancy and other risk factors for postpartum depression. We conclude that pregnancy and parenthood might be idealised after ART conception, and that preparation for the realities of infant care might then be insufficient and the inevitable losses associated with motherhood underestimated. In addition women who have conceived with ART might feel unable to express ambivalence or to seek support.

Regan David G, Philp David J, **Hocking Jane S**, and Law Matthew G. 'Modelling the population-level impact of vaccination on the transmission of human papillomavirus type 16 in Australia'. *Sexual Health*, 2007, **4**, 147–163

Vaccines are now available to prevent the development of cervical cancer from genital human papillomavirus (HPV) infection. The decision to vaccinate depends on a vaccine's cost-effectiveness. Dr Jane Hocking was part of a consortium of researchers from the University of New South Wales and Australian National University who developed a mathematical model of HPV transmission in Australia to evaluate the potential impact of a HPV vaccine on HPV prevalence in Australia.

Methods: A mathematical model was developed to estimate the impact of a prophylactic vaccine on transmission of HPV type 16 in Australia. The model was used to estimate the expected reduction in HPV incidence and prevalence as a result of vaccination, the time required to achieve these reductions, and the coverage required for elimination. The modelled population was stratified according to age, gender, level of sexual activity and HPV infection status using a differential equation formulation.

Results: The model predicts that vaccination of 80% of 12-year-old girls will eventually reduce HPV 16 prevalence by 60–100% in vaccinated and 7–31% in unvaccinated females. If 80% of boys are also vaccinated, reductions will be 74–100% in vaccinated and 86–96% in unvaccinated females. A campaign covering only 12-year-old girls would require 5–7 years to achieve 50% of the eventual reduction. With a catch-up campaign covering 13 to 26-year-olds, this delay would be reduced to only two years.

Conclusions: Mass vaccination with a highly effective vaccine against HPV 16 has the potential to substantially reduce the incidence and prevalence of infection. Catch-up vaccination offers the potential to substantially reduce the delay before the benefits of vaccination are observed. A booster vaccination might be required to prevent an increase in incidence of

infection in women over 25 years of age.

Kirkman M, Rosenthal D, and Johnson L. (2007). 'Families working it out: Adolescents' views on communicating about donor-assisted conception'. *Human Reproduction*, 22(8): 2318-2324. doi: 10.1093/humrep/dem138.

The research behind this paper was prompted by legislation in Victoria permitting gamete donors to seek identifying details of people conceived from their gametes. Maggie Kirkman and Doreen Rosenthal, in collaboration with Louise Johnson of the Infertility Treatment Authority, investigated the views of adolescents from the general population on how parents can best talk to their donor-conceived adolescent children about their conception. They used focus group discussions and an interview with secondary students at two Melbourne co-educational schools. It was found that naive adolescents had views largely consistent with those of donor-conceived adults: for example, urging parental

honesty, adaptation to individual children, and family cohesion. They identified the social father as the parent while acknowledging the significance of genetic connection to the donor. A minority asserted a preference for non-disclosure; all said that, if disclosed, it should be by parents. This study has not only contributes to increasing understanding of communication within families about donor-assisted conception, but also led to the publication of a book for parents, available both on-line and in hard copy: Kirkman, M, Rosenthal, D, & Johnson, L. (2007). *Telling it Your Way: A Guide for Parents of Donor-Conceived Adolescents*. Melbourne: Infertility Treatment Authority. Turrell G, Kavanagh A, Draper G, Subramanian SV. 'Do places affect the probability of death in Australia? A multilevel study of area-level disadvantage, individual-level socioeconomic position and all-cause mortality, 1998-2000'. *J Epidemiol Community Health*. 2007 Jan;61(1):13-9.

Background: In Australia, studies finding an association between area-level socioeconomic disadvantage and mortality are often based on aggregate-ecological designs which confound area-level and individual-level sources of socioeconomic variation. Area-level socioeconomic differences in mortality therefore may be an artefact of varying population compositions and not the characteristics of areas as such.

Objective: To examine the associations between area-level disadvantage and all-cause mortality before and after adjustment for within-area variation in individual-level socioeconomic position (SEP) using unlinked census and mortality-register data in a multilevel context.

Setting, participants and design: The study covers the total Australian continent for the period 1998-2000 and is based on decedents aged 25-64 years ($n = 43,257$). The socioeconomic characteristics of statistical local areas (SLA, $n = 1317$) were measured using an index of relative

socioeconomic disadvantage, and individual-level SEP was measured by occupation.

Results: Living in a disadvantaged SLA was associated with higher all-cause mortality after adjustment for within-SLA variation in occupation. Death rates were highest for blue-collar workers and lowest among white-collar employees. Cross-level interactions showed no convincing evidence that SLA disadvantage modified the extent of inequality in mortality between the occupation groups.

Conclusions: Multilevel analysis can be used to examine area variation in mortality using unlinked census and mortality data, therefore making it less necessary to use aggregate-ecological designs. In Australia, area-level and individual-level socioeconomic factors make an independent contribution to the probability of premature mortality. Policies and interventions to improve population health and reduce mortality inequalities should focus on places as well as people.

MELBOURNE SCHOOL OF POPULATION HEALTH

McCAUGHEY

CENTRE

VICHEALTH CENTRE FOR THE PROMOTION OF MENTAL
HEALTH AND COMMUNITY WELLBEING

ANNUAL REPORT 2007

Director of the McCaughey
Centre, Professor John
Wiseman.



The McCaughey Centre: VicHealth Centre for the Promotion of Mental Health and Community Wellbeing, established in June 2006 and officially launched in July 2007, is a policy research centre which builds knowledge about the social, economic and environmental determinants of mental health and wellbeing. The Centre is supported by and works closely with the Victorian Health Promotion Foundation (VicHealth), which defines mental health as 'the embodiment of social, emotional and spiritual wellbeing. Mental health provides individuals with the vitality necessary for active living, to achieve goals and to interact with one another in ways that are respectful and just'.

Focusing on the promotion of mental health and social wellbeing, the McCaughey Centre's strategies are population based, intersectoral and grounded in the recognition that the health and wellbeing of populations is determined by how we organise ourselves as a society, and our practice and policies in diverse domains such as education, health, transport, the economy, local government and the environment.

Overview

Commencing operation in June 2006 the McCaughey Centre completed its first year of establishment activity in 2007. The year was marked by a number of highlights, including the official launch of the Centre by the Minister for Victorian Communities, Mr Peter Batchelor, the establishment of initial Centre strategic directions, the consolidation of our staff group, securing long-term Centre accommodation, the production and publication of a wide range of research papers and policy reviews and the organisation of numerous forums, seminars and workforce development events. The McCaughey Centre is rapidly becoming an exciting source of new ideas, conversations and projects and is continuing to explore and build a wide range of collaborative research, teaching and knowledge transfer partnerships.

Key Achievements

Centre Launch

The McCaughey Centre was officially launched on 16 July 2007 by Mr Peter Batchelor, Minister for Victorian Communities, in the Woodward Conference Centre, University of Melbourne, with around 130 people in attendance.

Other speakers included Professor Glyn Davis (Vice-Chancellor, University of Melbourne), Mr Todd Harper (CEO, VicHealth), and Cr Janet Bolitho (Mayor, City of Port Phillip). Professor James Angus (Dean, Faculty of Medicine, Dentistry and Health Sciences), and the Centre's patron Dr Jean McCaughey were also in attendance. The launch coincided with the public release of the Community Indicators Victoria data and official launch of the new Community Indicators Victoria website, <http://www.communityindicators.net.au>

Expanding staffing profile

This year saw significant growth in the McCaughey Centre staffing profile, with 15 new academic staff, 2 new visiting staff, and 1 new professional staff member joining the team.

Strategic planning and implementation

In early 2007 McCaughey Centre staff participated in a series of intensive planning sessions to develop the Centre's initial strategic directions.

The Centre's mission was identified in the following way:

To be a catalyst for knowledge which strengthens the

foundations of healthy, just and sustainable communities and builds social, emotional and spiritual wellbeing.

The Centre's core values are:

- Strengthening community wellbeing and reducing health inequalities;
- Creating a culture of rigorous, reflective and innovative intellectual inquiry;
- Maximising the policy and practice impact of our work;
- Working respectfully and collaboratively with our partners and colleagues; and
- Establishing and sustaining a healthy, supportive and rewarding workplace.

The Centre's research, policy development, teaching and workforce development work will focus on the following priority areas:

- Community wellbeing issues, indicators and policies; and
- Key determinants of mental health and community wellbeing:
 - Freedom from Violence,
 - Freedom from Discrimination,
 - Social Inclusion and Reducing Health Inequalities,
 - Economic Security and Participation, and
 - Healthy and Sustainable Environments.

The Centre also carries out research on the effectiveness of knowledge transfer, translation and exchange strategies.

With strategic and workplans in place, the McCaughey Centre is embarking on a comprehensive business planning process encompassing income generation, physical and human resource growth, breadth and timing of Centre and project growth, and long-term sustainability.

A new home

In July 2007 the McCaughey Centre moved into a new space within its long-term home in the Melbourne School of Population Health, University of Melbourne, Level 5, 207 Bouverie Street, Carlton.

Project overview and future funding

McCaughey Centre staff made significant contributions to collaborative projects in progress, and to a range of new Centre-based project proposals, throughout the year. Centre staff were partners on five ARC and NHMRC grants totaling \$6,413,000, and were the lead Chief Investigators on 11 research grants contracts totaling \$1,258,000. With the arrival of new staffing groups in October, the McCaughey Centre is now auspice to an additional suite of competitive and contract grants totaling \$2,880,000.

Alongside the McCaughey Centre's alignment with key VicHealth priorities, the Centre continues to

initiate and build strong relationships with a broad range of stakeholders.

Partnership building and securing additional funding was a major priority during the year, and widespread consultation was undertaken with key stakeholders to align the Centre's work with tangible issues and needs of the local community and policy makers.

Research and Policy Development

Community wellbeing issues, indicators and policies

Community Wellbeing in an Unwell World

The Centre's first Policy Signpost Report, *Community Wellbeing in an Unwell World*, was written and published by Professor John Wiseman and Dr Kathleen Brasher.

Community Indicators Victoria

Community Indicators Victoria (CIV) is a collaborative project hosted by the McCaughey Centre which aims to support the development and use of local community wellbeing indicators as a basis for informed, engaged and integrated community planning and policy making. Key project partners include VicHealth, the Victorian Government, the Municipal Association of Victoria, the Victorian Local Governance Association, the Australian

Bureau of Statistics and the Victorian Council of Social Service.

CIV indicators, which include both subjective and objective measures, are grouped according to five domains: healthy, safe and inclusive communities; dynamic, resilient economies; sustainable built and natural environment; culturally rich and vibrant communities; and democratic and engaged communities.

Data to support reporting on these indicators is drawn from the Australian Bureau of Statistics, Victorian Government administrative data and a new statewide Victoria Community Survey, conducted by the McCaughey Centre with a total sample size of 24,000 households.

A user-friendly CIV website at www.communityindicators.net.au provides two key functions. It allows easy access to a summary overview of headline wellbeing indicators for each Local Government Area. Further, community members and policy makers are able to explore and analyse indicator trends of particular interest in one or more local communities.

Initial capacity building resources and events include a community indicators resource kit, a series of information sharing and capacity building workshops, best practice case studies, and work commissioned by local and state governments



providing additional data and analysis.

Determinants of mental health and community wellbeing

1. Freedom from violence

Family violence reform: Using knowledge to support integration of policy and practice.

In collaboration with a range of academic colleagues and State Government departments, Dr Marion Frere is leading the Centre's work on reducing violence. This ARC Linkage project investigates reform in the Victorian response to family violence, with a focus on the integration of intervention responses. The project aims to provide an account of the development of inter-agency governance of family violence services, including police, government and non-government organisations. It examines women, children and perpetrators' experiences and decisions, and how practitioners work individually and in cooperation with others to deliver services to the victims of family violence and to intervene with perpetrators. A key theme is the role of the governance framework in supporting multi-agency working.

2. Violence and social inclusion

This research, led by Dr Marion Frere, is currently being developed into an

Australian Research Council grant proposal. Focused on family and intimate partner violence, it is exploring how the experience of violence impacts upon the development of neighbourly and community interactions and the relationship of individuals and families to community activities and institutions. It examines how violence is experienced, represented and regulated in particular groups and communities and how this impacts on experiences of trust, support, participation and belonging in these communities. It asks: How can social inclusion be enabled across relations that include violence? And, how can violence be reduced through strategies that focus on strengthening social inclusion?

3. Freedom from discrimination

Refugee resettlement in rural and regional areas

Professor John Wiseman worked closely with colleagues from VicHealth, Foundation House (The Victorian Foundation for Survivors of Torture) and La Trobe University's Refugee Health Research Centre to develop an issues paper and convene a forum to inform policy and program development to support refugee resettlement in rural and regional areas.

Exploring the potential of social and community enterprise models for

health promotion in refugee background communities

Dr Marion Frere joined with Foundation House and the Brotherhood of St Laurence to undertake a project aimed at improving health promotion and information dissemination strategies for refugees resettling in Victoria.

Building Bridges evaluation: Reducing discrimination affecting culturally and linguistically diverse communities

Dr Deb Warr, Dr Gabrielle Berman and Professor John Wiseman worked with colleagues from the Melbourne School of Population Health's Centre for Health Policy, Programs and Economics (Project leader) and the Centre for Health and Society on an evaluation of VicHealth's Building Bridges Initiative.

Framework for reducing racism and strengthening cross cultural understanding

Dr Marion Frere, Dr Gabrielle Berman, and Dr Yin Paradies from the Centre for Health and Society have begun work with VicHealth on a framework to guide future research and policy work designed to reduce racism and strengthen cross cultural understanding.

Social inclusion and connectedness

Social Justice Initiative

The McCaughey Centre is a partner in the University of Melbourne's multi-disciplinary

Social Justice Initiative, supported by the University's Strategic Research Initiative Fund. SJI partners include the faculties of Arts; Law; Medicine, Dentistry and Health Sciences; and Economics and Commerce. The aim of the Social Justice Initiative is to facilitate research into social justice of international standing and to strengthen the growing interest in questions of social justice at the University of Melbourne and within the non-university sector. The SJI aims to establish itself as a long-term major research cluster at the University of Melbourne, and has been awarded three-year funding of \$636,000.

Responding to health inequalities

Dr Deb Warr worked with the MSPH Centre for Health Policy, Programs and Economics and Centre for Health and Society on a public health research project titled 'Responding to health inequalities: Investigating the impact of Neighbourhood Renewal on health and wellbeing in disadvantaged Victorian Communities'. The project links quantitative analysis of the scheme's survey data, qualitative data about Neighbourhood Renewal strategies and their implementation, and learnings from the United Kingdom's Neighbourhood Renewal initiative to develop an integrated picture of neighbourhood renewal and its effects on reducing health inequalities.

Outside the School Gates: A community report

A community report prepared by Dr Deb Warr titled 'Outside the School Gates' was launched at the Meadow Bank Primary School's annual Harmony Day Celebration on 21 March. The report outlined a model for tackling disadvantage and promoting participation in preschool education at the Meadowbank Early Learning Centre (MELC). Dr Warr undertook the study while a Research Fellow with the Melbourne School of Population Health's Centre for Health and Society, and her report highlighted ways in which the MELC is supporting local families to become connected in a range of social networks, presented insights into the needs of local families, discussed processes for effective community engagement, explained how the MELC operates as a community hub facilitating access to a range of social services and community contacts, and described the positive outcomes that are generated for children and their families.

Creating liveable new communities

The McCaughey Centre joined forces with Griffith University's Urban Research Centre to commence a project for the Victorian Growth Areas Authority

on 'Creating Liveable New Communities'. The research team is led by Ms Sue West, and will produce a strategic framework and practical tools for creating socially sustainable new communities underpinned by a review of key literature and interviews with stakeholders.

Northern growth corridors social cohesion project

Dr Belinda Robson and Dr Marion Frere are leading a McCaughey Centre collaboration with the Crossroads Youth and Family Services Division of the Salvation Army examining social justice issues within the Northern growth corridors of metropolitan Melbourne. The project addresses emerging issues in communities in the northern growth suburbs, building knowledge about impact of demographic change in local areas and identifying common themes which impact upon social cohesion and interconnection.

Age-friendly cities

Professor John Wiseman and Dr Kathleen Brasher completed the Melbourne component of this World Health Organisation project in collaboration with the Municipal Association of Victoria and the Victorian Council of the Ageing. The project identified indicators of an age-friendly city, and produced a practical guide to stimulate and guide advocacy, community

development and policy change to make urban communities age-friendly.

Community building framework for disability services

Ms Sue West and Dr Kathleen Brasher worked with the Department of Human Services to develop a Community Building Framework for the Disability Services Division, including the development of a set of key performance indicators.

4. Economic participation and security

Work-related psychosocial hazard surveillance

Associate Professor Tony LaMontagne was commissioned by the Australian Safety & Compensation Council to scope the Household Income and Labour Dynamics in Australia (HILDA) database for potential use on work-related psychosocial hazard surveillance (trending job stress, job insecurity, etc.). Dr Rebecca Bentley from the Key Centre for Women's Health in Society collaborated on this project. Associate Professor LaMontagne also completed his role as Chair of a peer review panel of the investigation of a suspected cluster of brain cancers at RMIT's Building 108.

Changing work arrangements and health

This four-year NHMRC

funded project draws on existing data sources (eg, the HILDA national panel study, ABS) as well as a qualitative interview study, and involves collaborators from Flinders and Melbourne Universities: Sue Richardson and Fran Baum from Flinders, Anne Kavanagh (Key Centre for Women's Health) and Tony LaMontagne (McCaughy Centre).

Provision of Workplace Mental Health Promotion

Associate Professor Tony LaMontagne, Ms Tessa Keegel and Dr Deb Vallance are working with *beyondblue* on this ACT Health funded project to develop and deliver a Workplace Mental Health Promotion program to address aspects of workers' wellbeing, workplace staff management and workplace stress.

Asbestos disease in the Latrobe Valley: Establishment of a Latrobe Valley power industry cohort and biospecimen bank for the study of asbestos-related disease

In collaboration with Dr Andrew Holloway at the Peter MacCallum Cancer Centre, this NHMRC funded research program commenced in January 2007, with Dr Deb Vallance joining the team to run this study as well as participate more broadly in the group's various initiatives on job stress and other psychosocial working conditions. The team has

130 gather for Centre's launch




Opening celebration:

Speakers at the McCaughey Centre's official launch on 16 July included (above) the Vice-Chancellor of the University of Melbourne, Professor Glyn Davis, and the Minister for Victorian Communities, Mr Peter Batchelor, as well as (below) the CEO of VicHealth, Mr Todd Harper, and the Mayor of Port Phillip, Cr Janet Bolitho.

A special guest at the launch was the Centre's patron, Dr Jean McCaughey, pictured (right) with McCaughey Centre staff. More than 130 guests attended the launch, which was held in the Woodward Conference Centre and coincided with the public release of the Community Indicators Victoria data and launch of the Community Indicators Victoria website.





started recruiting participants for its Latrobe Valley Power Industry Cohort Study, where they will work with former and current power industry workers in the Latrobe Valley to investigate the natural history of a blood protein, mesothelin, which is elevated in some people with mesothelioma.

5. Healthy and sustainable environments

The Centre's main work in this area has been to begin to explore and scope research on the impacts of climate change on mental health and community wellbeing. McCaughey Centre researchers were part of a major submission coordinated through the Climate Adaptation Science and Policy Initiative to the Commonwealth Environment Research Facilities scheme in 2007, and contributed to the development of 'Climate Change and Rural Health: A one day seminar on the challenge of climate change for health in rural and regional Victoria', opened by Ms Bronwyn Pike, Minister for Health, on 22 August.

In 2007 Dr Grant Blashki began working closely as a collaborator with the Centre in the areas of mental health and climate change and health, as well as providing support on a range of funding application development schemes. Dr Blashki is a GP, a Senior

Research Fellow at the Primary Care Research Unit, University of Melbourne, an Honorary Senior Lecturer at Kings College, London, Victorian Representative of Doctors for the Environment Australia, and Mentor in the AI Gore Climate Change Leadership Program.

Knowledge Transfer and Translation

Cochrane Public Health Review Group

The move of the international Cochrane Public Health Group to the McCaughey Centre provides new opportunities for strengthening research and action to promote knowledge transfer within the University and internationally. It is an international initiative that aims to integrate research synthesis, leverage new primary research, and impact on knowledge translation and exchange in the area of population health, with an equity orientation and a strong interface with action on social determinants of health.

In doing so the group aims to identify what works, for whom, how, why, and in what circumstances. Working with decision-makers on policy relevant questions has highlighted the need for an additional research program comprising trials on the effectiveness of knowledge transfer strategies. With funding from the NHMRC,

the Group is exploring the feasibility and effectiveness of knowledge translation and exchange strategies for public health decision making in local government in Victoria.

Victorian Health Inequalities Network

The McCaughey Centre is a participant in the Victorian Health Inequalities Network roundtable series, which promotes information sharing and policy development on health inequalities. The roundtable series seeks to begin a cross sectoral dialogue, to address broad issues associated with health and equity, and to facilitate future action on health inequalities.

Research and knowledge transfer: Universities working with and for communities

Dr Sarah MacLean and Dr Deb Warr are working with Dr Priscilla Pyett from the Onemda VicHealth Koori Health Unit on this pilot project which aims to explore strengths and weaknesses of models for collaborating with and sharing the findings of research projects with communities. Research staff, community liaison staff at research centres and community partners will be interviewed to ascertain advantages and disadvantages of

up to eight research dissemination models operating in Melbourne. Questions for research participants will consider how research is initiated, conducted, and any formal processes for engagement between researchers and communities.

The study will produce recommendations regarding possible structures for community engagement and research dissemination to be considered within the Melbourne School of Population Health, its research centres and individual researchers within the School.

New directions

In October 2007 Professor Elizabeth Waters and a team of public health researchers joined the McCaughey Centre (Lisa Gibbs, Elise Davis, Rebecca Armstrong, Jodie Doyle, Rosie Ashbolt, Elisha Riggs, Naomi Priest and Lauren Prosser). They brought with them a comprehensive range of funded child public health research projects, which will continue as part of the work of the Centre.

The projects being led by members of the team include:

- *Fun 'n healthy in Moreland!* – cluster randomised trial of a sustainable school-community intervention to promote child health and wellbeing and prevent overweight and obesity.



- Evaluation of the Stephanie Alexander Kitchen Garden Project.
- NHMRC Capacity Building Grant on child and adolescent obesity prevention.
- Teeth Tales – social, cultural and environmental determinants of oral health in families with young children from migrant and refugee communities.
- CountryKIDS – development and cluster RCT evaluation of community intervention study to address dental health inequalities of preschool children in rural Victoria funded by NHMRC (with MCRI).
- Environmental, social, behavioural and biological risk and protective factors for children's oral health and wellbeing. A new Victorian birth cohort funded by NHMRC.
- CountryKIDS cohort – monitoring and measuring oral health and behaviours of rural preschool children.
- Smiling Schools – addressing the oral health literacy of school-aged children and their families (in collaboration with Dental Health Services Victoria).
- Evaluation of the effectiveness of environmental water fluoridation in Victoria (with MCRI).
- Making a difference to rural children's oral health: community intervention study with policy makers, health professionals and community.
- Health of Young Victorians Study, 1997-2005 cohort follow-up funded by NHMRC with MCRI.
- Aboriginal concepts of child health and wellbeing.
- Framework for the determinants of mental health and wellbeing of children.
- Promoting the Mental Health of Children; Assessing the Knowledge of Family Day Care Workers.
- Quality of Life for Children with Cerebral Palsy – development of the child and adolescent self and proxy reports of the international CPQOL.
- Riding for the disabled – evaluating the effectiveness of horse riding for the disabled on QOL and functioning (RCT).
- Social exclusion of children in culturally diverse communities: Factors influencing and development of school community solutions.
- Health implications of uncertain child support payments for children in low income single parent families.
- Community Building Framework for Disability Services.
- Model of cultural competence in public health research.
- Three-yearly updated Cochrane Systematic Reviews: Prevention of Childhood Obesity; Treatment of Childhood Obesity; Policy interventions implemented through sporting organisations for promoting healthy behaviour change; Increasing participation in sport; Family and carer smoking control programs for reducing children's exposure to environmental tobacco smoke; and Knowledge Translation strategies for public health decision making.
- Progress in Public Health – examining issues of equity across the public health evidence base.
- Cochrane Collaboration Health Promotion and Public Health Field, and transition to the new Cochrane Public Health Review Group.
- Knowledge translation for public health decision making in local government planning (KTOP). An NHMRC cluster randomised trial of the effectiveness of KT strategies to address public health decision making in relation to childhood obesity prevention.

Teaching and learning

The McCaughey Centre's initial teaching and learning focus is on research higher degree supervision. The Centre has capacity to supervise research higher degree students across a range of disciplines, and in 2007 had four PhD students enrolled under the auspice of the Centre, with a further four research higher degree students under the primary or secondary supervision of Centre staff.

McCaughey Centre academics provide guest lectures to a range of programs across the School and the broader University. Initial discussions have commenced around the development of coursework subjects for incorporation into the Melbourne School of Population Health's postgraduate program.

Knowledge transfer and translation

The McCaughey Centre is strongly committed to knowledge transfer and ensuring our research and other academic activities are informed by and have a positive impact on the communities around us. The Centre is therefore highly consultative in the development of our policy research priorities, and establishing effective, intersectoral partnerships across academia,

government departments and agencies, community groups and public and private sector organisations is a guiding principle in the McCaughey Centre's approach to policy research, teaching and learning.

The Centre's strong focus upon disseminating research findings so these can be employed 'on the ground' to make a real difference is manifest in a range of knowledge transfer and community engagement activities, from presenting at conferences and facilitating local community forums, to addressing State Government department meetings and initiating round table discussions with key stakeholders and relevant peak body institutions around issues of health and community wellbeing.

Examples of McCaughey Centre contributions to research and policy forums and roundtables in 2007 include:

- 'Evaluating mental health promotion programs: Connecting evidence and practice', roundtable discussion led by Professor Margaret Barry (National University of Ireland).
- International meeting of Project Leaders in WHO Age-Friendly Cities, London (K Brasher).

- Invited keynote speaker to City of Hume launch of ageing strategy, presenting on 'Age-Friendly Cities' (K Brasher).
- 'International perspectives on age-friendly cities', invited keynote speaker to G21 forum, Geelong (K Brasher).
- VicHealth Review Panel for the Tobacco Control Unit (T Lamontagne).
- Invited Public Presentation, Department of Premier and Cabinet (M Frere).
- Invited keynote address to DHS executive meeting on Age-Friendly Cities (K Brasher).
- Community Indicators Victoria: Presentation to the VicHealth Board (M Frere).
- Forum on strategic research directions around discrimination with the VicHealth Advisory Board (M Frere).
- CIV and poverty alleviation, China Social Entrepreneur Foundation (X Chen).
- Keynote address at launch of WHO Age-Friendly Cities guide (K Brasher).
- Department of Premier and Cabinet's Expert Roundtable on 'Agile Government' (M Frere).
- Overview of the work of the Cochrane Health Promotion and Public Health Field and plans

for the future at the 15th Cochrane Colloquium, Sao Paulo, Brazil (J Doyle, E Waters).

- Promotion of the Cochrane Library and Public Health in the Cochrane Collaboration at the Global Forum for Health Research, Beijing, China (N Priest).
- Outline of Cochrane Collaboration and role of public health within the Collaboration to the Institute of Forensic Medicine at the Coroners Office (R Armstrong).
- Knowledge sharing with ABS on data visualisation and access to regional data (X Chen, M Davern, S Gelsi).

Conferences and seminar presentations

6-8 February, LaMontagne AD. Oral presentation at National Research Centre for OHS Regulation Colloquium on 'Workplace stress in Victoria: developing a systems approach: summary of findings and implications for policy and practice', National Research Centre for OHS Regulation 2007 Colloquium, Australian National University, Canberra.

6-8 February, LaMontagne AD, Shaw A, Ostry A, Louie A, and Keegel T. 'Workplace stress in Victoria, developing a systems approach:

Summary of findings and implications for policy and practice', National Research Centre for OHS Regulation 2007 Colloquium, Australian National University, Canberra.

6-8 February, LaMontagne AD, Shaw A, Ostry A, Louie A, and Keegel T. 'Policy and practice responses to the VicHealth Job Stress Report', National Research Centre for OHS Regulation 2007 Colloquium, Australian National University, Canberra.

6-8 February, Stuckey R, LaMontagne AD, and Sim MR. 'Risk and protective factors for occupational light vehicle user crash, injury, and fatality outcomes', National Research Centre for OHS Regulation 2007 Colloquium, Australian National University, Canberra.

6-8 February, Keegel T, and LaMontagne AD. 'Worker participation in OHS: Theory, policy and practice', National Research Centre for OHS Regulation 2007 Colloquium, Australian National University, Canberra.

6-8 February, Vallance D, Holloway A, and LaMontagne AD. 'Smoking cessation in asbestos exposed workers: What public health response?', National Research Centre for OHS Regulation 2007 Colloquium, Australian National University, Canberra.

Centre's values and aims a 'natural fit'

For Professor Elizabeth Waters, joining the McCaughey Centre – and returning to Melbourne University – is a natural fit as she continues her impressive public health career, which focuses on child public health.

"There is such a strong affiliation of what we want to achieve and the values and overall aims of the Melbourne School of Population Health and the McCaughey Centre," says Professor Waters, who took up her appointment as Professorial Fellow: Public Health and Health Equity with the McCaughey Centre in October 2007.

"The strength of Melbourne University and in particular the Melbourne School of Population Health is its very strong foundations in research systems, impressive academic and administrative staff, and the attitude of 'let's make it happen'.

"Much of our research on child health inequalities has revolved around building the evidence base and working towards solutions that can make an impact, and the McCaughey Centre's philosophy of 'knowledge for common good' aligns perfectly with our work."

Joining Professor Waters at the Centre is a core team of about a dozen researchers, which has gradually built up since the



Core strength: Professor Waters (left) with some members of her research team, Jodie Doyle, Rebecca Armstrong and Naomi Priest.

late 1990s when she was at the Murdoch Childrens Research Institute and the Centre for Community Child Health at the Royal Children's Hospital.

Her early research during this period focused on building epidemiological knowledge of the health and wellbeing of children and adolescents across Victoria and, in particular, the health inequalities experienced by particular groups within the population.

Child health inequalities remain a central theme of her research because "if you focus on the life course approach and make a difference early in life we know we can make an impact on norms, behaviours and environments over the longer term".

Among her key research projects, Professor Waters and her team will continue their partnership with the Moreland Community Health Service to run *fun 'n' healthy in Moreland!*,

a five-year, 23-school community program aimed at improving child health and wellbeing and preventing obesity. This is being funded by the State Government through its *Go For Your Life* program.

As well, Professor Waters has received five years of funding from VicHealth for the new international Cochrane Public Health Review Group, which is being formed out of the Cochrane Health Promotion and Public Health Field. Part of the International Cochrane Collaboration, a not-for-profit organisation of more than 15,000 authors and members, the review group is scheduled for registration in April 2008.

"The opportunity to align the review group with a strong international university such as Melbourne has already made a difference," says Professor Waters. "It is helping to build the critical mass that is at the core of high quality research.

With the security of a base at Melbourne, the Public Health Agency of Canada is now planning to establish its own site, while there are also similar developments in India and Asia."

On the future of public health in Australia, Professor Waters is optimistic but practical. "The challenge is that while public health is now more on the political agenda and we are seeing a stronger focus on careful development of interventions and stronger evaluations in the area of health promotion and prevention, the solutions are complex

"The contemporary political scene means there is often a need for quick wins, but you don't get quick wins in health promotion and prevention. We need to move beyond well-intentioned actions hoping for quick wins to the need for thoroughly researched policy relevant long term sustainable programs."

20-23 February, 'Kindling the flame: Promoting mental health and wellbeing', the Clifford Beers Foundation, Perth, attended by S West, G Berman.

21-22 February: 'From Welfare to Social Investment', Centre for Public Policy, University of Melbourne, attended by T Keegel.

4-8 June, Professor John Wiseman facilitated a 2007 Cranlana seminar series. The Cranlana Program offers people from all sectors of Australian society the opportunity to participate in a unique program of seminars directed at enhancing their understanding of the philosophical, ethical and social issues central to creating a just, prosperous and sustainable society in Australia and to securing Australia's place in the world.

4-5 June, LaMontagne A, Keegel T, and Vallance D. 'Changing Labour Markets: Job Stress and the need for a Systems Approach', ACTU Health and Safety Conference: Reclaiming OHS Workers' Compensation for Working Australians.

4-6 June, '5th Annual Communities in Control Conference', Melbourne, attended by G Berman.

9-15 June, 'The 19th IUHPE World Conference on Health Promotion and Health Education', IUHPE General Assembly Canada, attended by A Lamontagne.

27-30 June, Professor John Wiseman was the discussant on a session exploring the work being done on producing sets of progress indicators for local communities at the OECD Istanbul World Forum – Measuring and Fostering the Progress of Societies.

3 July, Wiseman J. 'Community wellbeing in an unwell world: Trends, challenges and opportunities', Faculty of Medicine, Dentistry and Health Sciences Dean's Lecture Series, University of Melbourne.

26-27 July, Wiseman J. 'The contribution of cultural development to community wellbeing: Key trends and emerging ideas', Expanding Cultures: Arts and Local Government Conference, Melbourne.

3 August, LaMontagne AD, Keegel T and Vallance D. 'Job Stress', presentation at Victorian Independent Education Union OHS Conference 2007, Melbourne.

20 August, LaMontagne AD. 'Work and You: Happy Together', presentation in the Shine Dome, Canberra. Associate Professor Tony LaMontagne participated in a panel discussion on work and mental health on the ABC's *Life Matters* program as part of National Science Week.

4-9 August, X Chen. 'Community Indicators

and Geovisualisation', International Cartographic Association Conference, Moscow.

14 September, Frere M. 'Personalising Government Services', Australia New Zealand School of Government and State Services Authority practitioners Forum.

24-26 September, X Chen. 'Community Indicators and Geovisualisation', International Conference on Virtual Systems and Multimedia, Brisbane.

29-31 October, Lamontagne AD, Holloway A, Vallance D. 'The establishment of a Latrobe Valley power industry cohort and biospecimen bank for the study of asbestos-related diseases', National Research Centre for Asbestos-Related Diseases, 2007 Annual Scientific Meeting, University of Western Australia, Perth.

2 November, Lamontagne AD. 'Integrating Occupational Health Protection & Workplace Health Promotion: A Strategy for Addressing Social Gradients in Smoking and Cessation?', invited speaker at Tobacco Control: Where To From Here?, a collaborative forum for Department of Human Services, VicHealth, Quit and VicHealth Centre for Tobacco Control.

13 November, Glass D (Monash University), Lamontagne AD. 'Investigating non-infectious

disease clusters'. Meeting of the Central Safety Professionals' Group, University of Melbourne.

7 December, Wiseman J. 'Learning from the experience of developing Community Indicators Victoria', presentation to forum on the development of 'Community Indicators Queensland'.

10 December, Lamontagne AD, 'An Australian Case Study in the Assessment of Research Impact – Workplace Stress in Victoria: Developing a Systems Approach', presented to the Center for the Promotion of Health in the New England Workplace.

McCaughey Centre events and co-hosted events:

April-May, The McCaughey Centre, in conjunction with Swinburne University, delivered a series of state-wide information forums for local governments and community organisations on behalf of the Community Indicators Victoria (CIV) project. The forums covered the use of CIV as a tool for policy making and planning, and were undertaken in eight Victorian locations.

29 May, 'Labour Market Flexibility and Regulation: Australian and International Impacts and Strategies'. This forum for policy makers and practitioners was hosted by The McCaughey Centre in



collaboration with the Centre for Applied Social Research, RMIT University. The forum speakers were: Dr Iain Campbell, Senior Research Fellow, Centre for Applied Social Research, RMIT University, on 'Australian Dimensions of Labour Market Flexibility and Regulation'; Associate Professor Tony LaMontagne, McCaughey Centre, on 'Job Stress, Psychosocial Working Conditions, and Health'; Dr Sara Charlesworth (Senior Research Fellow, Centre for Applied Social Research, RMIT, on 'Right to Request Regulation'; and Dr Jim Stanford, Chief Economist, Canadian Autoworkers Union and Research Fellow, McCaughey Centre, on 'International Dimensions of Labor Market Flexibility and Regulation'.

27 June, In conjunction with the Centre for Health and Society, Dr Deb Warr co-hosted a forum on 'Reflections on Place, People and Policy'. The forum brought together a breadth of people to explore the impact of place-based initiatives in addressing health disadvantages, including guest speaker Dr Hilary Thomson from the University of Glasgow.

3 July, 'Community wellbeing in an unwell world: trends, challenges and opportunities', by Professor John Wiseman as part of the Dean's 2007 Lecture Series, Faculty of

Medicine, Dentistry and Health Sciences, University of Melbourne.

8 August, 'Developing and using community wellbeing indicators: An overview of the role and work of Community Indicators Victoria', by Professor John Wiseman as part of the Melbourne School of Population Health's seminar series.

22 August, 'Climate Change and Rural Health', presented by the Climate Adaptation Science and Policy Initiative (CASPI) and the Menzies Foundation and supported by the McCaughey Centre.

11 December, 'Left Out and Missing Out: Developing New Indicators of Deprivation and Social Inclusion', by Professor Peter Saunders, Director of the Social Policy Research Centre at the University of New South Wales.

Visiting Fellows, 2007:

The McCaughey Centre's **Associate Professor Tony Lamontagne** was a visiting academic at the University of Massachusetts, Lowell, for the month of December.

Dr Jim Stanford, the Principal Economist with the Canadian Auto Workers Union in Toronto, held a visiting appointment with the McCaughey Centre from January to September.

Dr Rob Salter, a Community Development Worker with the Crossroads Youth and Family Services division of

the Salvation Army, held a visiting appointment with the McCaughey Centre from April to December.

Ms Stephanie Rich, the Australian Health Practice Association's Victorian Student of the Year and an Honours student in Health Promotion at Deakin University, completed a placement with the McCaughey Centre from August to September.

Dr Dianne Vella-Brodrick, a Lecturer in the School of Psychology, Psychiatry and Psychological Medicine at Monash University, spent part of her sabbatical with the McCaughey Centre from September to December.

Dr Angela Harden, Associate Director of the Evidence for Policy and Practice Information and Co-ordinating Centre (EPPI-Centre), Social Science Research Unit, Institute of Education, University of London, and the Co-Director of the Cochrane Health Promotion and Public Health Field, visited the McCaughey Centre from 3 to 10 December.

Publication highlights

For a full list of publications, see the 2007 Publications Report, page 93

With a strong emphasis on knowledge transfer and communicating research findings in a useful way to our various stakeholders, the

McCaughey Centre aims to utilise a range of formats and mediums for published work. In addition to peer-reviewed publications (outlined in the general publication section of the School Report), the Centre has produced a range of reports for government departments, community groups and other organisations, a number of which are noted below.

Brasher, K. 'World Health Organisation (WHO) Age Friendly Cities Initiative: Melbourne Report', presented to the WHO Age Friendly Cities Project Team Meeting, London, 12-14 March 2007.

Older people are a significant and growing part of local communities. According to the United Nations, the number of older persons (60+) will double from the current 600 million to 1.2 billion by 2025, and again, to 2 billion by 2050. The vast majority of older people live in homes and communities that have not been built with their needs in mind. To support Governments, the World Health Organisation released a Policy Framework on Active Ageing in 2002. This document shows what needs to be done to help older persons.

Brasher, K and Wiseman, J. 'Community Wellbeing in an Unwell World: Trends, Challenges and Opportunities', McCaughey Centre Policy Signpost #1,

Melbourne, November 2007.

If we measure the health of our communities, our country and our world solely by growth in wealth and consumer spending, then many of us, at least in Australia, are thriving. But if our definition of community wellbeing is broadened to include the full range of social, economic, environmental, cultural and political issues which matter most to citizens and communities, then the diagnosis and prognosis are far more mixed. Globally, three billion people still live on less than two dollars a day. Eleven million children under five die every year due to poverty related diseases. One billion people do not have safe drinking water. In Australia the gaps in income, in employment opportunities, in housing and in health outcomes continue to grow. As in many affluent countries, there is also a rising tide of anxiety and depression even among the richest and most fortunate. And for all of us, rich and poor, our planetary environment appears in danger of becoming increasingly fevered. Internationally, and in Australia, there is growing interest in the concept of community wellbeing as a more holistic and accurate measure of societal progress than

the dominant paradigm of economic growth. This paper addresses the following three questions: What is community wellbeing? Why is community wellbeing important? What are the most important international and Australian community wellbeing trends and issues?

LaMontagne AD, Shaw A, Ostry A, Louie A, and Keegel T. 'Workplace stress in Victoria, developing a systems approach: Summary of findings and implications for policy and practice', National Research Centre for OHS Regulation 2007 Colloquium, Australian National University, Canberra, 6-8 February.

Psychological working conditions are an emerging issue for all working people. Occupational health and safety has traditionally been considered a blue-collar concern, however psychological working conditions are now emerging as an OH&S concern for all working people, and as a potentially important contributor to health inequalities, including job stress, job insecurity, sexual harassment, bullying, occupational violence, shift work and working hours. This paper concludes that job stress is a serious public health problem that can be addressed effectively using a systems approach based on

the following outcomes from the study:

- Identified barriers and facilitators to action, and evidence of a critical opportunity to advocate for a systems approach;
- Identified new priorities for intervention as well as evidence that job stress is a significant contributor to health inequities; and
- A substantial and inequitable disease burden could be addressed by applying a systems approach to job stress in Victoria.

Warr, D, 'Outside the School Gates', Centre for Health and Society, the University of Melbourne, March 2007. This report was developed and produced based on work undertaken in the Centre for Health and Society.

Since 1978, an early learning centre hosted by Meadowbank Primary School in the outer Melbourne suburb of Broadmeadows has become the site of intense community engagement activities for children and families in the neighbourhood. With clear understanding that circumstances outside the school gates impact on children's learning prospects, the Meadowbank Early Learning Centre (MELC) offers an innovative and exemplary model of an

organic community hub that is responding to household contexts of socio-economic disadvantage and other vulnerable circumstances among local families. As a community hub, the MELC offers a physical and social setting that enables organisations to provide integrated services, resources and activities targeting families with young children. The program is also integrated into the school structure with staff working across the MELC and school activities. A community hub model for the delivery of early childhood services is capturing the interest of policy makers in Australia and elsewhere (McCain & Mustard 1999). This report provides insight into key aspects of a community hub that has been developing at the MELC. It explains the network structure of the community hub, outlines features of the early learning program, presents insights into the needs of local families, discusses processes for community engagement, and describes the positive outcomes that are being generated. To illustrate these issues, the report draws on interviews that were conducted with staff, parents and local service providers.

West S, Raysmith H. 'Planning Together: Lessons



Growing team: 2007 saw significant growth in the McCaughey Centre staffing profile, with 15 academic staff, 2 visiting staff and 1 professional staff member joining the team.

from local government community planning in Victoria', Final Report, Local Government Victoria Department of Planning and Community Development, Melbourne, December 2007. This report captures the community planning experiences of 11 Victorian local governments in order to increase the knowledge

and understanding of community planning within the local government sector and among other interested stakeholders. The report was commissioned by Local Government Victoria and represents a commitment by the Victorian Government to support the strengthening of local communities by:

- Improving people's ability

and opportunity to get involved in community planning and decision-making; and

- Changing the way Government works to improve the way it responds to local priorities and aspirations.

The report provides an overview of the history and

context of local government community planning in Victoria, suggesting that community planning has benefits for communities and governments. It also indicates that as the number of councils doing community planning grows, there is an increased need to learn from and improve upon current approaches.

MELBOURNE SCHOOL OF POPULATION HEALTH

CHPPE

CENTRE FOR HEALTH POLICY, PROGRAMS AND ECONOMICS

ANNUAL REPORT 2007



**Head of the Centre for
Health Policy, Programs
and Economics, Associate
Professor David Dunt.**

The Centre for Health Policy, Programs and Economics is a multidisciplinary organisation, the core business of which is health services and policy research and health economics. Its staff have expertise in program evaluation, health economics, economic evaluation, health law, epidemiology, social sciences and research methodology, and many have clinical backgrounds.

The mission of the CHPPE is to contribute to the health of the community through research, teaching and service relevant to health programs and policy. It aims to do this by advancing relevant knowledge and addressing relevant issues productively and flexibly. It also includes methodological development, exemplary practice and a varied program of teaching and training. It aims to achieve this mission by improving the community's ability to critically evaluate the performance and funding of health policy and health programs.

Head of Centre Report

A real highlight for the year was the official launch of our new centre, the Centre for Health Policy, Programs and Economics on 12 September 2007 following the acceptance by The University of Melbourne in 2006 to establish the new Centre based on the existing Program Evaluation Unit. The Centre's name much better reflects our strengths and our broadening interest in health policy than our old Program Evaluation Unit name. The new Centre will aim particularly to engage strategically in policy development with the main stakeholders in the health care system.

At the Centre launch, presentations were made by Professor Terry Nolan, Head, Melbourne School of Population Health, Professor James Angus, Dean, Faculty of Medicine, Dentistry and Health Sciences, and the Centre's special guest, Mr Peter Allen, Under Secretary, Portfolio Services and Strategic Projects Divisions, Victorian Department of Human Services. The launch was very well attended by both staff of the Melbourne School of Population Health and the wider University community, as well as colleagues from external

organisations. As a part of the launch I released a paper arguing that a new paradigm or model for the Australian health care system is urgently needed to address the chronic illness epidemics that dominate patterns of disease in Australia currently.

It is both necessary and highly desirable that there be an Advisory Committee to the Centre. This committee was also established during 2007, comprising individuals from a range of health sectors. The Advisory Committee's principal role will be to provide strategic advice to the Head of Centre and to support the growth of the Centre's funding and its profile. We have been successful in attracting a truly outstanding committee membership with very wide representation across the whole health sector. Representation of the private health care sector is particularly pleasing.

The Advisory Committee membership is:

Mr Peter Allen, the Under Secretary, Portfolio Services and Strategic Projects Division, Victorian Department of Human Services;

Professor Mark Considine, Head of School, Centre for Public Policy, School of Political Science, Criminology and Sociology,

The University of Melbourne;

Mr Philip Davies, Deputy Secretary, Department of Health and Ageing;

Mr Bruce R Dixon, Managing Director, Healthscope Limited;

Mr Patrick Grier, Managing Director, Ramsay Health Care;

Mr Todd Harper, Chief Executive Officer, VicHealth;

Mr Alan Kinkade, Group Chief Executive, Epworth Hospital;

Dr Brendan Murphy, Chief Executive Officer, Austin Health;

Professor Terry Nolan, Head, Melbourne School of Population Health, The University of Melbourne;

Professor Stephen Sedgwick, Director, Melbourne Institute of Applied Economic and Social Research; and

Professor Doris Young, Chair of General Practice, Department of General Practice, The University of Melbourne.

The other important highlight was the arrival in January of Professor David Studdert, Federation Fellow and previously Associate Professor of Law and Public Health from the Harvard School of Public Health. David is a Law/Arts graduate of The University of Melbourne who holds a Doctor of Science in Public Health from Harvard

University. He has an outstanding reputation for linking the skills of these areas to inform the derivation of more effective public health and health care services. He is regarded as the leading practitioner of his academic generation in his field and will make a significant contribution to this critical area in Australia. His appointment at The University of Melbourne is a joint one between the Faculty of Medicine, Dentistry and Health Sciences and the Faculty of Law.

Other highlights were:

- CHPPE's externally earned income in 2007 was \$2.6 million (\$3.4 million including funding from collaborative grants). This is an increase of 27% on 2006 and in excess of 50% on 2005.
- A total of 50 articles and reports were published in 2007, including 32 refereed journal articles.
- CHPPE's student numbers continued to steadily grow, with 297 Master of Public Health (MPH) students from both The University of Melbourne and other universities in the Victorian Consortium of Public Health undertaking our postgraduate units in Program Evaluation and Health Economics. Twelve MPH students completed their research projects in program evaluation and health economics. There

were 18 higher degree students, including 5 new enrolments in 2007.

- The two courses in Health Program Evaluation continue to attract enrolments from health professions. A total of 36 participants undertook the courses internally over four workshops, with 44 participants attending the three workshops that were delivered externally to government organisations.
- Penny Mitchell, Honorary Fellow, was awarded her PhD.

– Associate Professor
David Dunt

Teaching and learning

The ongoing demand for well taught and supervised and workplace-relevant subjects and courses has continued in 2007, with very substantial growth in enrolments within our two streams of subjects in the Master of Public Health and research training through doctoral studies, as well as with the external delivery of our short courses in Health Program Evaluation to government health departments.

All subjects with the exception of Environmental Health Services Evaluation, which was offered as distance delivery only in 2007, were offered on-campus with Health Program Evaluation 1, Health Program Evaluation

2, Health Services Research 1 and Research Project in Health Program Evaluation also offering the flexibility of off-campus delivery.

Master of Public Health

This very substantial growth in enrolments in our subjects is well reflected in the foundation subject, Health Economics and Program Evaluation, which is offered across the Victorian Consortium of Public Health to students from Deakin University, La Trobe University, Monash University and The University of Melbourne. Rosemary McKenzie and Arthur Hsueh coordinated this subject, with David Dunt, Margaret Kelaher, Michelle Williamson, Theonie Tacticos, Peter Feldman, Lucio Naccarella, Michael Otim, Kiu-Sang Tay-Teo, Katherine Ong and Michelle Haby providing lectures and tutorials. There were 138 students enrolled in this subject in 2007.

Master of Public Health students had access to the following suite of health economics/economic evaluation subjects:

- Health Economics: Arthur Hsueh (Subject Coordinator).
- Economic Evaluation 1: Arthur Hsueh (Subject Coordinator).
- Economic Evaluation 2: Steve Crowley (Subject Coordinator).
- Research Project in Health Economics: Arthur Hsueh (Subject Coordinator).



The Centre's Health Program Evaluation teaching staff, (back from left) Peter Feldman, Rosemary McKenzie, David Dunt, Helen Jordan and Jenni Livingston, and (front) Theonie Tacticos and Joy Yeadon.

In the health program evaluation field, the following subjects were available in 2007. Those in distance mode have been designated D:

- Health Program Evaluation 1 (D): Jenni Livingston (Subject Coordinator).
- Health Program evaluation 2 (D): David Dunt and Rosemary McKenzie (Subject Coordinators).
- Health Services Research 1 (D): David Dunt (Subject Coordinator).
- Methods for Evaluating in Health Services 1: Margaret Kelaheer (Subject Coordinator).
- Using Evaluation in Program Design: Jenni Livingston (Subject Coordinator).
- Research Project in Health Program Evaluation (D): Jenni Livingston (Subject Coordinator).
- Environmental Health Services Evaluation (D only): Helen Jordan (Subject Coordinator).

During 2007, 12 students completed their two semester Research Project in either Health Economics/ Economic Evaluation or Health Program Evaluation. These students completed reports on the following topics:

- **Rachel Dalton**, supervisor Steve Crowley. A framework for physiotherapy economic evaluations in the context

of the Medicare Benefits Schedule.

- **Matthew Gerard Hercus**, supervisor Steve Crowley. Finding the best-fit resource allocation method for Victoria's alcohol and other drug treatment system: applicability of program budgeting and marginal analysis.
- **Katharine Grace Hogg**, supervisor Andrew Dalton. Constructing a nonpareil health workforce planning model: an examination of the necessary components.
- **Andrew Metz**, supervisors Rob Carter and Stephen Colgan. A cost analysis of coeliac screening strategies in symptomatic and asymptomatic individuals.
- **Susan Clare Phillips**, supervisor Steve Crowley. Targeted therapies: clinical panacea or economic fallacy?
- **Zahra Jaffer Ali Lassi**, supervisor Margaret Kelaheer. Evaluation plan for TB (Tuberculosis) DOTS (Directly Observed Treatment Shortcourse) Program, Aga Khan Health Service, Pakistan.
- **Waqo Dulacha Ejersa**, supervisor Jenni Livingston. Caring for people living with HIV/AIDS at home: An evaluation plan for the home based care program in Machakos district, Kenya.
- **Meivyta Belani Husman**, supervisor Jenni Livingston. Reproductive health programs for young people in Indonesia – a proactive evaluation.
- **Kenneth Mutesasira**, supervisor Jenni Livingston. Strengthening HIV prevention in Uganda: the relevance and efficacy of interventions tailored for young people living with HIV: a literature review.
- **Yen Nguyen Thi**, supervisor Jenni Livingston. A proposal for a needs assessment of the capacity to investigate outbreaks of foodborne diseases for sentinel provinces to support establishing a foodborne disease surveillance system in Vietnam.
- **Vivienne Joan Twigg**, supervisor Jenni Livingston. What are the needs of haematology patients at Peter MacCallum Cancer Centre? The early stages of planning a functional rehabilitation program for survivors of cancer treatment.
- **Norea Yem**, supervisor Jenni Livingston. A proposal for needs of midwifery training program for traditional birth attendants in Ratanakiri Province, Cambodia.

Higher degree students

There were 18 PhD students enrolled in 2007, including

five students new to the program. The following two students submitted their theses in 2007:

- **Penny Mitchell** submitted in May and was conferred in August 2007. Thesis title: Mental health care roles and capacities of non-medical primary health and social care services: An organisational systems analysis.
- **Susan Day** submitted in October 2007. Thesis title: An investigation into the extent to which General Practitioner (GP) remuneration can be used to overcome geographic inequities in the supply of, and demand for, Medicare-funded GP services.

Short courses

Health Program Evaluation

Two short courses in Health Program Evaluation attracted health professionals working across a range of health policy and program areas in Australia and overseas. The short courses provide an opportunity for practical, workplace-oriented learning about health program evaluation and the opportunity to network with other public health practitioners who share an interest in health program evaluation. Short Course 1, on Planning, Negotiation, Evaluation Approaches, Criteria Selection and Program Logic Modelling,

Seminar program

Once again, the Centre's lunch time Seminar Series, which is open to all colleagues and the general public, proved to be extremely successful. The seminar topics are chosen to highlight current and key aspects of the Centre's Research Program.

Date	Presenter's Name	Topic of Presentation
6 March	Jane Pirkis	Research priorities in suicide prevention
20 March	Rosemary McKenzie	Evaluation of a consultation and education model in provision of advice on eating disorders
3 April	David Studdert	Disclosure of medical injury to patients: an improbable risk management strategy
17 April	Penny Mitchell	Emergent process constructs in inter-organisational research: using qualitative data to assess the construct validity of quantitative measures
1 May	Sonja Hood	Implementing evidence in health care: lessons from heart failure
15 May	Arthur Hsueh	The economics of finding a good doctor
5 June	Andrew Dare	The media monitoring project: preliminary findings
19 June	Jenni Livingston	Teaching program logic approaches
3 July	Colleen Doyle	Evaluation of the Extended Aged Care at Home Dementia (EACHD) community care packages for people with dementia
17 July	Kristen Moeller-Saxone	Implications of tobacco control measures for people with a mental illness
7 August	Julia Witt	Measuring hospital quality from re-admission and death records
21 August	Katherine Ong	The role of equity in the economic approach to healthcare resource allocation
29 August	Emma Halliday	Health policy evaluation and appraisal in the NHS in Scotland
4 September	Bridget Hsu-Hage	The value of evaluation: a rural experience
11 September	Sandiran G. Premakanthan	Planning for gathering performance results: Are we making the right investment upfront?
25 September	Susan Day and Rasika Rampitage	Evaluating Measure 1 of the dementia initiative
2 October	Margaret Kelaher	Changes in access to mainstream services among Aboriginal and Torres Strait Islander people
16 October	Colleen Doyle and David Dunt	Raising community awareness of successful strategies for chronic obstructive pulmonary disease (COPD)
7 November	Peter Feldman	"There is no such thing as society": promoting health risk and responsibility to poor neighbourhoods
20 November	Theonie Tacticos	Governance or empowerment? Conflicting aims of community engagement initiatives
11 December	Helen Jordan	Tall girls, breast density study: work in progress

was held three times in 2007 and attracted 27 participants. Short Course 2, on Data Collection, Analysis and Reporting in Health Program Evaluation, was run once in 2007 and attracted a total of 9 participants.

Short Course 1 was coordinated and taught by Helen Jordan. Rosemary McKenzie provided a session as a guest lecturer during one of these courses. Short Course 2 was taught by Helen Jordan, Michelle Williamson, Theonie Tacticos,

Peter Feldman and Sonja Hood.

Helen also ran three short courses interstate. One three-day short course in Health Program Evaluation was delivered to 14 participants at the NSW Cancer Council in Sydney in February. Two two-day short courses were delivered for the Office of the Australian Safety and Compensation Council, Department of Employment and Workplace Relations, Canberra, with 15 participants on 1-2 May,

and 15 participants on 13-14 June.

Research

The CHPPE undertakes evaluations of health programs and policies at international, national, state and local levels. Since its establishment, the CHPPE has attracted more than \$31 million in funding from key granting bodies such as the National Health and Medical Research Council (NHMRC) and from organisations such as Commonwealth and state/

territory health departments that fund contract research. Over half of this funding has come directly to the CHPPE and the remaining funding has been shared with collaborating agencies. Since 2007, the CHPPE has focussed its research around four work streams: Primary Care, Mental Health, Health Policy and Health Economics.

Details of new and existing research activities are set out under the following four work streams and includes major grants awarded.

Primary Care

The Primary Care Work Stream includes evaluations of projects run in general practice and other primary care settings, projects aimed at increasing the health and wellbeing of particular consumer groups (e.g. older people, people with diabetes) and/or projects that have a health education focus. Much of the work of the Primary Care Work Stream involves developing the capacity of funders and project workers to undertake evaluations of their own. This year saw the conclusion of CHPPE's involvement in the *Well for Life* program. *Well for Life* is a health promotion initiative in Victorian aged care settings aimed at improving health and quality of life of frail older people through sound nutrition and participation in physical activity. Rosemary McKenzie and Lucio Naccarella, with assistance from Andrew Stewart in 2007, conducted an evaluation and capacity building strategy in *Well for Life* for three years. The evaluation found strong organisational and workforce development around health promotion in the aged care sector and identified new partnerships between aged care and the broader primary care sector. The project has generated a number of publications and conference presentations.

The Primary Care Work Stream attracted funding for the following new project in 2007:

Title	Funding body	Chief investigator(s)	Description	Funding
Evaluation of Building Bridges Phase 11 (Evaluating practice to reduce discrimination affecting Cultivating and Linguistically Diverse (CALD) communities)	The Victorian Health Promotion Foundation	Margaret Kelaher, Yin Paradies, Anne Pederson (Murdoch University), Deborah Warr, Ian Anderson, John Wiseman	The project will evaluate practice to reduce discrimination affecting culturally and linguistically diverse communities focusing on programs in VicHealth's 'Building Bridges' scheme. The Building Bridges initiative aims to improve mental health and wellbeing by promoting positive contact and cooperation between migrant and refugee groups who are affected by discrimination and others in the community.	\$260,000

Existing research activities carried over from previous years included:

- National Evaluation of the Australian Government Dementia Health Priority Initiative.
- Helping smokers with a history of depression quit smoking safely: Depression and smoking cessation outcomes among clients of a tailored quitline callback service offering doctor-quitline co-management of smoking cessation and depression.
- Responding to health inequalities: Investigating the impact of Neighbourhood Renewal on health and wellbeing in disadvantaged Victorian communities.
- Raising awareness of prevention programs for chronic pulmonary disease.
- The impact of the new post mortem consent procedure on recently bereaved parents.
- Arts and Health Strategy.
- Evaluation of the Centre of Excellence for Eating Disorders.
- Evaluation of the Best Start Program.
- National Evaluation of the After Hours Primary Medical Care Trial.
- Evaluation of the supply of pharmaceuticals to remote area Aboriginal health services.
- Evaluation of the *Well For Life* Initiative.
- Evaluation of the Centre of Clinical Research Excellence in Neurosciences.
- Evaluation of the VicHealth Community Arts Development Scheme.
- An investigation into the extent to which General Practitioner (GP) remuneration can be used to overcome geographic inequities in the supply and demand for GP services.
- Evaluation of surveillance programs for nosocomial infection in smaller hospitals.
- Interventions to improve evidence-based prescribing for heart failure.
- Use of breast cancer screening and treatment services by Australian women aged 25 to 44 years following Kylie Minogue's breast cancer diagnosis.
- Evaluating the actions towards environmental health using Driver, Pressure, State and Exposure (DPSEEA) and program logic.

Mental Health

The Mental Health Work Stream continues to conduct internationally-recognised projects in the area of mental health and suicide prevention, and its team of research staff is growing under the leadership of Jane Pirkis. In 2007, Andrew Dare (assisted by Shelby Williamson and Bree Rankin) completed a project examining changes in media reporting of suicide and mental illness over the past seven years (Media Monitoring Project 2). Andrew Dare and Shelby Williamson commenced a study examining outcome measures for carers of people with mental illness. Shelby Williamson also continued her involvement in a randomised controlled trial of an intervention designed to improve GPs' ability to detect and manage depression and suicidality among their older patients. Justine Fletcher, Fay Kohn and Bridget Bassilios continued to work on the ongoing evaluation of the Better Outcomes in Mental Health Care program. Justine Fletcher ably managed an evaluation of a new set of Medicare Benefits Schedule item numbers which provide reimbursement for psychologists' services, assisted by Jo Christo. Jo Christo and Angela Delle Vergini commenced work on a project which is developing a set of clinical prompts for mental health care providers. Jane Pirkis had oversight of all the above projects and also continued her involvement with the analysis and reporting component of the Australian Mental Health Outcomes and Classification Network. She also undertook a number of additional projects on the epidemiology of suicide.

New research activities funded this year include:

Title	Funding body	Chief investigator(s)	Description	Funding
Evaluation of the Queensland Government Suicide Prevention Strategy	Queensland Health	Jane Pirkis, Jo Robinson (Orygen Research Centre), Michelle Williamson, Philip Burgess (University of Queensland), Meredith Harris (University of Queensland), Cathrine Mihalopoulos (Deakin University)	This project is evaluating the governance, programs and outcomes of the Queensland Government Suicide Prevention Strategy, using a variety of data sources and both qualitative and quantitative methods.	\$99,980
Clinical prompts project	Commonwealth Department of Health and Ageing, via New South Wales Institute of Psychiatry	Philip Burgess (University of Queensland), Tim Coombs (New South Wales Institute of Psychiatry), Rod McKay (Sydney South West Area Health Service), Jane Pirkis	As part of the Australian Mental Health Outcomes and Classification Network, this project is developing a library of clinical prompts which will assist clinicians to use information from a range of outcome measures that are being used in public sector mental health services across Australia. The project is drawing on existing guidelines to develop evidence-based prompts to guide clinicians in monitoring and intervening with consumers whose scores on given outcome measures indicate that they may have particular problems (e.g. aggression, suicidality).	\$16,300 (UM component only)
Monitoring media reporting of depression	beyondblue	Jane Pirkis, Andrew Dare, Warwick Blood (University of Canberra)	This project compares media reporting of depression in 2000/01 and 2006/07, in order to determine whether there have been changes in the accuracy of reporting of symptoms, causes, treatment and prognosis.	\$33,200

Title	Funding body	Chief investigator(s)	Description	Funding
Carer outcome measurement in mental health services	Commonwealth Department of Health and Ageing	Philip Burgess (University of Queensland), Jane Pirkis, Tim Coombs (New South Wales Institute of Psychiatry), Judy Hardy, Andrew Dare	This project constitutes a scoping study which represents the first step towards the introduction of carer outcome measurement in mental health services. It is addressing the following questions: (a) what instruments for measuring outcomes for carers have been developed for use by mental health services, or are relevant to mental health services, both in Australia and internationally? (b) How do the available instruments compare in terms of measurement domains, psychometric properties and feasibility for use in clinical practice? (c) Of the available instruments, which, if any, show best potential for use in Australian mental health services and should be subject to further investigation?	\$105,450 (UM component only)
An evaluation of the new Medicare Benefits Schedule psychologist item numbers: Impacts for psychologists and their patients.	Australian Rotary Health Research Fund	Jane Pirkis, Philip Burgess (University of Queensland), Harvey Whiteford (University of Queensland), Grant Blashki (Department of General Practice, The University of Melbourne), Lyn Littlefield (Australian Psychological Society)	This project is evaluating the uptake of new Medicare Benefits Schedule item numbers which provide rebates for psychologists' services. The evaluation is considering whether the item numbers are achieving their aim of providing improved access to high quality mental health care for Australians.	\$58,625

Existing research activities carried over from previous years included:

- Monitoring media reporting of suicide and mental illness.
- Australian Mental Health Outcomes and Classification Network.
- Evaluation of the Access to Allied Psychological Services Component of the Better Outcomes in Mental Health Care program.
- Reducing depression and suicide among older Australians: A cluster randomised clinical trial in primary health care.
- Health risk screening of adolescents in primary care: A cluster randomised controlled trial.

Health Policy

Work in the new health policy and law stream of the Centre began in January 2007 with David Studdert's arrival. Efforts focused mainly on foundational work, scoping opportunities for improving understanding of legal and regulatory issues in public health through empirical research. Activities in 2007 include the launching of investigations into pathology service delivery, drivers of caesarean section rates in Australia, and compensation system reform.

Funded Projects include:

Title	Funding body	Chief investigator(s)	Description	Funding
Using law to improve population health and the quality of health care services	Australian Research Council (Federation Fellowship)	David Studdert	This research program will combine methods from the social and statistical sciences with traditional legal analysis to explore a set of pressing policy issues at the intersection of legal and health systems in Australia, including: medical negligence litigation and consumer complaints; innovative approaches to compensation and dispute resolution in accident compensation schemes; the role and impact of coronial investigations in injury prevention; and the clash of law and science in litigation over severe birth injuries.	\$1,819,350
Compliance with adverse event reporting requirements in cancer clinical trials	National Institute of Health	David Studdert and Steven Joffe (Dana-Faber Cancer Institute)	Methods for estimating the incidence of adverse events (AEs) in clinical trials have not been developed. This study adapts chart review-based methods developed for identifying AEs in the routine clinical (non-research) setting to the clinical trial context. The specific aims of the proposal include: 1) to estimate the incidence of reportable AEs in phase II cancer trials; 2) to estimate the proportion of AEs that meet reporting criteria but are not reported, as required; and 3) to estimate the inter-rater reliability of reviewers' judgments concerning critical elements of AE determination, including severity, attribution to study interventions, and expectedness.	\$US49,271

Title	Funding body	Chief investigator(s)	Description	Funding
Designing a reliable system of medical justice	The Robert Wood Johnson Foundation, Commonwealth Fund, Harvard Program on Health System Improvement	David Studdert and Michelle Mello (Harvard)	The goal of this study is to provide research to support demonstration projects of an administrative compensation system for medical injury, called "health courts". The project is investigating issues such as compensation criteria, costs, appropriate damages, constitutionality, and relationship of the system to patient safety.	\$US46,702

Health Economics

The Health Economics Work Stream includes economic evaluation and health economics in general. In 2007, the research focused on economic evaluation and priority setting. One major project, Assessing cost effectiveness (ACE) in prevention, was funded by National Health and Medical Research Council. The work stream was responsible for the economic evaluation component for this project. Another project, Priority setting in Aboriginal health: planning for the prevention of non-communicable disease in Aboriginal and Torres Strait Islander communities, was funded by the Cooperative Research Centre (CRC) for Aboriginal Health. This project also applies the ACE approach to priority setting to the prevention of non-communicable diseases in Indigenous Australians and how to contextualise Indigenous health. The Health Economics Work Stream has also successfully attracted funding for a new project which will start in 2008: How does chlamydia infection impact on the sexual, reproductive and mental health of Victorians and the Victorian health care system? The work stream will be responsible for the investigation and analysis of economic impacts for this project. Further details are below.

Title	Funding body	Chief investigator(s)	Description	Funding
How does chlamydia infection impact on the sexual, reproductive and mental health of Victorians and the Victorian health care system?	Department of Human Services, Victoria	Hocking J, Fairley CK, Temple-Smith M, Keogh L, Chen M, Fisher J, Williams H, Hsueh A (Centre for Health Policy, Programs and Economics), Henning D, Bayly C, McNamee K.	This project will use different research methods to make an assessment of the impact of chlamydia on the sexual, reproductive, mental health and economic aspect of Victorians and their health care system. The research methods include a comprehensive literature review, analysis and evaluation of existing data sources, qualitative interviews with key informants, people affected by chlamydia and health care professionals and quantitative surveys. We will review participatory action-based chlamydia programs and will assess the economic evaluation literature of chlamydia control strategies.	\$186,869

Existing research activities carried over from previous years include:

- Assessing Cost Effectiveness (ACE) in prevention.
- Priority setting in Aboriginal health: Planning for the prevention of non-communicable diseases in Aboriginal and Torres Strait Islander communities.

Shedding light on the intersection of where health meets law

Professor David Studdert is using his 2007 Federation Fellowship to map new territory in Australia. His ambitious research program is focusing on policy issues at the intersection of the legal and health care systems. It combines conventional research methods from law, such as analysis of regulation and litigation, with those from public health, mainly epidemiology and statistics.

The aim of this blended approach is to shed fresh light on contentious policy issues, such as poor quality health care and the role of the coroner in reducing fatal injury.

The application of this kind of multidisciplinary approach to the study of health policy is more developed in the United States, he says, where Professor Studdert has been living and working for the past 12 years.

A joint professorial fellow in the Faculty of Medicine, Dentistry and Health Sciences, and the Faculty of Law, Professor Studdert arrived in January 2007 from the Harvard School of Public Health, where he was Associate Professor of Law and Public Health.

Under the umbrella title, 'Using Law to Improve Population Health and the Quality of Health Care Services', the four major projects funded by the Federation Fellowship span highly challenging issues, including the use of scientific evidence in litigation over severe birth injuries.



New field of research: Professor Studdert says law and health policy connect in several crucial ways.

Based at CHPPE and the Melbourne Law School, Professor Studdert has spent much of his first year attempting to foster an appetite for this new field both inside and outside the University, with the aim of making the research self-sustaining in the longer term.

"Law and health policy connect in several crucial ways," says Professor Studdert. "Law is a tool for improving population health. Behind every important health policy you'll find a tangle of rules and regulations. But then public health programs often provoke legal concerns—the individual freedoms and coercive measures like quarantine regulations being the classic example."

Interest in using empirical approaches to investigate the real-world impact of health laws and policies is growing internationally. Professor Studdert believes it has the potential to transform the way that health care systems make decisions about the use of limited resources. "This is one part of a broader push to try to understand better what it is we actually do in the health care system. It springs from a desire to measure important outcomes,

improve performance, and use legal and financial incentives to improve the quality of health care.

"Knowledge in these areas must shape the way we deliver health care over the next 20 or 30 years," he says. "All countries face the same harsh reality in health care – there are not enough resources to do all the things we'd like to do, and that forces some difficult choices.

"Those choices need to be made in an informed way, and empirical insights drawn from a mix of perspectives – clinical, legal, ethical, political and economic – should provide the information that decision-makers need. Rather than sending fragmented signals from various academic disciplines, it is going to be far better for decision-makers if we can produce research that rolls together a number of those perspectives into a coherent message.

"But ultimately there are important normative judgements to be made. Mathematical equations are not going to tell you whether we should spend our limited health care dollars on keeping the terminally ill alive or providing preventative services to children – but they can certainly illuminate the tradeoffs involved."

Professor Studdert is enjoying the professional challenge of helping to raise understanding of a field that is not well understood here. "Ultimately, the objective is to inform policy. We owe it to ourselves not to embark on a debate about issues that really matter, like abortion or preventable deaths in hospitals, in some kind of information vacuum. Solid evidence from good research needs to be there at the table in a form that speaks to politicians and bureaucrats," he says.

"The ultimate test of this work is whether the papers I write turn out to be interesting and useful to the people making the hard decisions about health policy in Australia and around the world."

Centre embraces 'big picture' issues

The launch of the Centre for Health Policy, Programs and Economics (CHPPE) in September 2007 signalled a broadening of the Centre's scope to embrace "the big picture" issues of health policy and health systems, while continuing its health program evaluation and health economics activities.

CHPPE's director, Associate Professor David Dunt, says the elevation of the Program Evaluation Unit to the status of a centre will help raise its profile as it takes a more active role in high level health policy forums, applies for competitive grants and engages in the public debate about health policy at a macro level.

Mr Peter Allen, Under Secretary, Portfolio Services and Strategic Projects Division, Victorian Department of Human Services, was a key speaker at CHPPE's 12 September launch, along with the Dean of the Faculty of Medicine, Dentistry and Health Sciences, Professor James Angus, and the Head of the Melbourne School of Population Health, Professor Terry Nolan.

At the launch, which was attended by about 80 people, Associate Professor Dunt said that despite the obvious need for health service evaluation and research, this area was only now emerging as a discipline.

In keeping with CHPPE's expanded focus, in his speech he called for a new universal healthcare system to replace Medicare. "Our system – based on the fee-for-service, doctor-patient consultation – was set up to deal predominantly with acute, short-term illnesses," he said. The mixture of private/public health services that had built up around it was confusing and inefficient.

The current system was unsuitable for meeting the demands that have evolved, as the population has aged, for the treatment of chronic diseases.



Helping to launch CHPPE were Melbourne School of Population Health head, Professor Terry Nolan (left), the Centre's Associate Professor David Dunt, Mr Peter Allen, Under Secretary, Portfolio Services and Strategic Projects Division, Victorian Department of Human Services, and Professor James Argus, Dean of the Faculty of Medicine, Dentistry and Health Sciences. Professor Argus and Mr Allen also gave keynote addresses at the launch.



Nor was it geared for illness prevention, he said.

"Around this fee-for-service system has developed our largely uncoordinated health care system based on mixed public/private health care sectors and the overlapping roles of Commonwealth and State governments in both funding and delivering services," he said. "The private health expenditure sector in Australia is the third highest of the 10 comparable OECD countries with similar socio-economic structures, health systems and standards of living to Australia."

The system urgently needs major change, he said.

Associate Professor Dunt called for a strict separation of the roles of the Commonwealth and the States or to



have funding for health services put under one of the two jurisdictions or even under a new regional administering body.

He said the separation of public and private sectors should be broken down so there was only one sector. "Private health insurance could still exist in such a system but be restricted to health extras such as optometry and funding higher levels of hospital amenity," he said.

"Third, and most importantly for chronic illnesses, the Medicare Benefits Schedule (MBS) should be overhauled so that payment for services can be made to teams of health professionals providing ongoing care, not just doctors providing one-off care."

Community activities

During 2007 CHPPE staff continued to be active in the wider community as members of important advisory committees, reviewers of potential articles for a variety of refereed journals and assessors of grant applications.

Committee memberships

David Dunt

- Treasurer, Health Services Research Association of Australia and New Zealand.
- Health Ambassador, UNESCO Observatory on Multi-disciplinary Research.

Bridget Hsu-Hage

- Goulburn Valley Health, Board Director.
- Goulburn Valley Health, Primary Health Care and Population Health Committee.
- Goulburn Valley Health, Research and Ethics Committee.
- Chinese Health Foundation, Board Director.

Margaret Kelaher

- Health Ambassador, UNESCO Observatory on Multi-disciplinary Research.
- Scientific Advisory Committee, Third Vietnam Veteran's Mortality Study, Department of Veteran's Affairs.

Jenni Livingston

- Member of the *Drinkwise* Research Advisory Committee.

Rosemary McKenzie

- Member of the Evaluation Working Group of the National Prescribing Service Ltd (ongoing appointment since 2006).

Jane Pirkis

- Australian National Representative, International Association for Suicide Prevention.
- Chair, Suicide and the Media Task Force, International Association for Suicide Prevention.
- Executive Member, Health Services Research Association of Australia and New Zealand.

Referee and assessor services for grant applications and journals

Grant bodies

Bridget Hsu-Hage

- Assessor, NHMRC Alternative Medicine Special Grants.

Jenni Livingston

- Reviewer, Good Sports Program Grant.

Jane Pirkis

- Member, Selection Committee, Australian Rotary Health Research Fund Mental Health Research Grants.
- Member, Selection Committee, Australian Rotary Health Research Fund Mental Health.
- Reviewer, Raine Medical

Research Foundation.

David Studdert

- Reviewer, Australian Development Research Awards.
- Reviewer, Agency for Health Care Research and Quality (US).

Journals

David Dunt

- Reviewer, Australian and New Zealand Journal of Public Health.
- Reviewer, Family Practice.
- Reviewer, BMC Family Practice.
- Reviewer, BMC Health Services Research.
- Reviewer, European Journal of General Practice.

Colleen Doyle

- Reviewer, International Psychogeriatrics Journal.
- Reviewer, International Journal of Geriatric Psychiatry.

Arthur Hsueh

- Reviewer, Australian and New Zealand Journal of Public Health.
- Reviewer, Journal of PharmacoEconomics.

Margaret Kelaher

- Member, Editorial Board, Health Policy.

Fay Kohn

- Reviewer, Medical Journal of Australia.

Jane Pirkis

- Member, Editorial Board, Crisis.
- Member, Editorial Board, International Journal of Mental Health System

Development.

- Reviewer, Australian and New Zealand Journal of Psychiatry.
- Reviewer, Australian e-Journal for the Advancement of Mental Health.
- Reviewer, Australian Veterinary Journal.
- Reviewer, BMC Public Health.
- Reviewer, Crisis.
- Reviewer, Mass Communication and Society.
- Reviewer, Social Psychiatry and Psychiatric Epidemiology.

David Studdert

- Reviewer, Medical Journal of Australia.
 - Reviewer, BMC Health Services Research.
 - Reviewer, Australia and New Zealand Journal of Health Policy.
 - Reviewer, Milbank Quarterly.
 - Reviewer, New England Journal of Medicine.
 - Reviewer, Journal of the American Medical Association.
 - Reviewer, Saudi Medical Journal.
 - Reviewer, Medical Care.
 - Reviewer, Australia and New Zealand Journal of Psychiatry.
 - Reviewer, Journal of Legal Studies.
- #### Theonie Tacticos
- Reviewer, Australian and New Zealand Journal of

Public Health.

- Reviewer, Journal of Sociology.
- Reviewer, RMIT Women and Work monograph.
- Reviewer, 'Environmental Health', the Journal of the Australian Institute of Environmental Health.

International conferences

Bishop, N., Borland, R., Balmford, J., **Segan, C.J.**, McKay-Brown, L., Andrews, C., Tasker, C. and Peterman, L. (2007), Mass dissociable approaches for enhancing smoking cessation in general practice – a cluster randomised trial, 2007 Oceania Tobacco Control Conference, Antae Centre, and The Edge: Performing Arts and Conventions, Auckland, New Zealand, 4-7 September.

de Leeuw, E., Frew, R., Jones, S., Godbold, T., Ednie, G., Garrard, J., Horton, K., **Tacticos, T.**, Piontek-Walker, H., and Butterworth, I. (2007), A comparison of local endeavours to develop and implement healthy public policy: Victoria (Australia), England, and The Netherlands, at the 2007 IUHPE Conference, Vancouver, Canada.

Kelagher, M., Cawson, J., Miller, J., Kavanagh, A., **Dunt, D.** and **Studdert, D.** (2007), Use of breast cancer screening and treatment services by Australian women aged 25 to 44 years following Kylie Minogue's breast cancer diagnosis,

Health Services Research Association of Australia and New Zealand 5th Annual Conference, Auckland, November.

Kelagher, M., Taylor-Thomson, D., Harrison, N., O'Donoghue, L., **Dunt, D.**, Barnes, T. and Anderson, I. (2007), Improving access to medicines among clients of remote area Aboriginal and Torres Strait Islander health services, Social, Cultural and Economic Determinants of Health Conference, Lisbon, May.

Kelagher, M., **Dunt, D.**, **Day, S.** and **Feldman, P.** (2007), Effects of financial disadvantage on use and non-use of after hours care in Australia, Social, Cultural and Economic Determinants of Health Conference, Lisbon, May.

Pirkis, J. (2007), Copycat suicides, 14th International Association for Suicide Prevention World Congress, Killarney, 28 August – 1 September.

Pirkis, J., **Dare, A.**, Blood, R.W., Burgess, P., Skehan, J. and Jolley, D. (2007), Evaluating the influence of media guidelines on reporting of suicide: The Australian experience, 14th International Association for Suicide Prevention World Congress, Killarney, 28 August – 1 September.

Pirkis, J. (2007), Australia's suicide prevention activities, 14th International Association for Suicide Prevention World Congress, Killarney, 28 August –

1 September.

Pirkis, J. (2007), Evaluation of an Australian national primary mental health care initiative, 5th Health Services and Policy Research Conference, Auckland, 4 December.

Tay-Teo, K., **Moodie, M.**, Bernhardt, J., Thrift, A., Collier, J., Donnan, G. and Dewey, H. (2007), Economic evaluation alongside a phase II, multi-centre, randomised controlled trial of very early rehabilitation after stroke (AVERT), European Stroke Conference, Glasgow, UK, 29 May – 2 June.

Tay-Teo, K., Doran, C., **Carter, R.** and Hall, W. (2007), Priority setting in illicit drug use prevention – a discussion on methodology, International Health Economic Association Annual Conference, Copenhagen, Denmark, 8-11 July.

Poster presentations

Christie, J., Day, L., Osborne, R., **Segan, C.** and Wark, J.D. (2007), Bone mineral density in quitters compared with continuing smokers at one year: the Quitline cohort study, 17th Annual Scientific Meeting of the Australian and New Zealand Bone and Mineral Society, Rydges Lakeland Resort, Queenstown, New Zealand, 9-12 September.

Doyle, C., White, V., Hunter, C. and Ward, S. (2007), Community care for people with dementia in Australia; Gerontological Society of America Conference, San

Francisco, November.

Seminar presentations

Pirkis, J. and Beautrais, A. (2007), Correlates of falling rates of youth suicide: Australia and New Zealand. American Foundation for Suicide Prevention Youth Suicide Forum, Dublin, 25 August.

National conferences

Campbell, T., Pierce, D. and **Hsu-Hage, B.** (2007), The development of a research proposal on a shared experiences online intervention program for sub-acute lower back pain, PHCRED Conference, School of Rural Health, The University of Melbourne, Shepparton, November.

Dunt, D. and **Doyle, C.** (2007), Training in dementia care in Australia, Australian Association of Gerontology Conference, Adelaide, November.

Feldman, P. (2007), Self-rated health and the importance of place, 38th PHAA Annual Conference, Alice Springs, NT, 24 September.

Fletcher, J., **Bassilios, B.**, **Pirkis, J.**, and **Kohn, F.** (2007), Australian mental health policy reform, impact on psychologists and client outcomes, at 42nd Australian Psychological Society Conference, Brisbane 25-29 September.

Hsueh, A. (2007), Impacts of individual/household socio-economic conditions and area environment on health in Australia, Using Five-Wave

Panel Data of HILDA surveys, HILDA Survey Conference 2007, The University of Melbourne, 19-20 July.

Kelaher, M., Warr, D. and **Feldman, P.** (2007), The effects of area based stigma on health, Public Health Association of Australia 38th Annual Conference, Alice Springs, September.

Livingston, J. (2007), Flaws in the logic? – empirical evidence supporting the use of some program logic models over other approaches, Australasian Evaluation Society International Conference, Melbourne, September.

McKenzie, R. (2007), “Use it or lose it”: employing participatory approaches to maximise use of evaluation and influence policy in health promotion, Australasian Evaluation Society International Conference, Melbourne, 5 September.

Moeller-Saxone, K. and Weedon, K. (2007), Autonomy or paternalism? The ethics of tobacco control interventions in mental health, The Mental Health Services (TheMHS) Conference, 4-7 September.

Pirkis, J., Bassilios, B., Fletcher, J., Kohn, F., Blashki, G. and Burgess, P. (2007), Provision of primary mental health care in Australia: The Better Outcomes in Mental Health Care program, World Psychiatric Association Conference, Melbourne, 1 December.

Pirkis, J. (2007), Suicide and

the media: What we know and what we don't know, 5th World Conference of Science Journalists, Melbourne, 19 April.

Rasekaba, T., Williams, E. and **Hsu-Hage, B.** (2007), Will an eight-week pulmonary rehabilitation course at Kyabram and District Health Services improve Chronic Obstructive Pulmonary Disease patient outcomes? PHCRIS Conference, Sydney, June.

Studdert, D. 2007, Tort system performance and effectiveness of tort reform: Insights from America, keynote address, Institute for International Research (IIR) Medico-Legal Conference, Melbourne, 14 February.

Studdert, D. 2007, Do tort reforms work? keynote address, Law Institute of Victoria Medico-Legal Conference, Melbourne, 29 November.

Tacticos, T. (2007), Governance or empowerment? Conflicting aims of ‘community engagement’ initiatives, 38th Public Health Association of Australia (PHAA) Annual Conference, Alice Springs, September.

Tacticos, T. (2007), Governance or empowerment? Conflicting aims of ‘community engagement’ initiatives, The Australian Sociological Association, Beechworth, June.

Workshop presentation

Livingston, J. (2007), Introducing innovation

into health care – how to generate a sustainable service, The Way Forward: Chronic Disease Self-Management in Australia National Conference, 26 July.

Poster presentation

Bassilios, B., Fletcher, J., Pirkis, J., Kohn, K., Blashki, G., Burgess, P. (2007), Evaluating the Access to Allied Psychological Services (ATAPS) Projects: Progressive achievements over time, Australian General Practice Network Forum, Hobart, 15-18 November.

Bassilios, B., Naccarella, L., Pirkis, J., Morley, B., Kohn, F., Blashki, G., Burgess, P. (2007), Key lessons from evaluating the access to allied psychological services projects for Australia's primary mental health care system, General Practice and Primary Health Care Research Conference, Sydney, 23-25 May.

Kohn, F., Pirkis, J., Morley, B., Naccarella, L., Blashki, G. (2007), Utilisation of evaluation findings from a major Australian primary health care initiative, AES Australasian Evaluation Society International Evaluation Conference, Melbourne, 3 September.

Kohn, F., Pirkis, J., Morley, B., Naccarella, L., Blashki, G. (2007), Utilisation of evaluation findings from a major Australian primary health care initiative, General Practice and Primary Health Care Research Conference, Sydney, 23-25 May.

Livingston, J. (2007), Using

Evaluation in Program Design, Australasian Evaluation Society International Conference, Melbourne, 3 September.

Seminar presentations

Bassilios, B. and Fletcher, J. (2007), Evaluation of the Access to Allied Psychological Services (ATAPS) Projects, presentation at National Division Liaison Officers Mental Health Network Meeting, Adelaide, 20 August.

Bassilios, B. and Fletcher, J. (2007), Evaluation of the Access to Allied Psychological Services (ATAPS) Projects, presentation at Victorian Mental Health Network Meeting, Melbourne, 7 September.

Bassilios, B. and Fletcher, J. (2007), Evaluation of the Access to Allied Psychological Services (ATAPS) Projects, South Australia Mental Health Network Meeting, Adelaide, 11 July.

Dare, A. (2007), The Media Monitoring Project, Melbourne School of Population Health, 24 June.

Feldman, P. (2007), ‘Got it!’ Grounded approaches to well-being in the neighbourhood, Reflections on Place, People and Policy Forum, University of Melbourne, 27 June.

Fletcher, J. and Bassilios, B. (2007), Access to Allied psychological Services (ATAPS) Projects – Minimum Data Set as Evaluation Tool,

Funding boost: Jane Pirkis (left), Justine Fletcher and Jo Christo received an Australian Rotary Health Research Fund Grant at the Australian Psychological Society, Melbourne, in October. The grant will allow them to continue an evaluation of the uptake of Medicare rebates for psychologists' services.



NSW Mental Health Network Meeting, Sydney, 27 July.

Fletcher, J. and Bassilios, B. (2007), Evaluation of the Access to Allied Psychological Services (ATAPS) Projects, WA Mental Health Network Meeting, Perth, 2 November.

Fletcher, J., Bassilios, B., and Kohn, F. (2007), Evaluation of the Access to Allied Psychological Services (ATAPS) Projects, Victorian Mental Health Network Meeting, Melbourne, 1 June.

Jordan, H. 2007, Environmental health: Effectiveness, efficiency and performance measurement, Department of Human Services Food Safety Forum, Event Centre, Flemington Racecourse, 18 April.

Kohn, F. and Bassilios, B. (2007), Evaluating the Access to Allied Psychological Services (ATAPS) Projects, Brisbane, 28 August.

Ong, K. (2007), The role of equity in the economic approach to healthcare resource allocation, Graham Rouch Presentations, AFPHM Victorian Branch Regional Committee Meeting, The Royal Australian College of Physicians, Melbourne, 24 October.

Pirkis, J. (2007), What we have learnt from the Access to Allied Psychological Services (ATAPS) projects?, Department of Human Services Forum, 31 January.

Pirkis, J. (2007), Suicide: Epidemiology and prevention, Rail Suicide

Working Group, Melbourne, 13 February.

Pirkis, J. (2007), The Better Outcomes in Mental Health Care program: Some implications for the new MBS item numbers, National Mental Health Workforce Advisory Group, Melbourne, 15 February.

Pirkis, J. (2007), The Better Outcomes in Mental Health Care program: Some implications for the new MBS item numbers, National Mental Health Standing Committee, Melbourne, 16 February.

Studdert, D. (2007), Disclosure of medical injury: Research perspective. Medical Defence Association of Victoria, Open Disclosure Education Forum, Melbourne, 7 June.

Studdert, D. 2007, Studying quality of care, Australian Commission on Safety and Quality in Health Care, Sydney, 10 September.

Studdert, D. 2007, American health policy – Just cautionary tales? Melbourne School of Population Health Seminar Series, University of Melbourne, 4 April.

Studdert, D. 2007, Deconstructing negligence, Melbourne Law School Faculty Seminar Series, University of Melbourne, 15 October.

Tacticos, T. (2007), Beyond the rhetoric: The what, how and why of community engagement, at the Reflections on Place, People and Policy Forum, University of Melbourne, 27 June.

Publication highlights

The Centre for Health Policy, Programs and Economics published 50 journal articles, reports and conference papers, including 32 peer reviewed journal articles, in 2007, a selection of which are provided below. For details of all 2007 CHPPE publications please refer to the full school 2007 Publications Report, beginning on page 93 .

Blood, R., **Pirkis, J.** and Holland, K. 2007. Media reporting of suicide methods: An Australian Perspective. *Crisis* (Kirkland). 28 (Suppl 1): 64-69

Internationally, media guidelines on the reporting of suicide suggest that the method of suicide should not be explicitly reported. This paper presents quantitative data on the reporting of suicide in Australia, which suggest that the media present a skewed image of reality with an over-reporting of suicide by violent and unusual methods. It also presents qualitative textual analyses of examples of newspaper reports of suicide in an attempt to examine differences in reporting practices across media and genres and to explore the limits of the notion of "explicitness". The paper concludes that journalistic decisions to maximise the newsworthiness of a story often conflict with the promotion of the accurate, ethical, and responsible

reporting of suicide.

Gallagher, T., **Studdert, D.** and Levinson, W. 2007. Current Concepts: Disclosing Harmful Medical Errors to Patients. *New England Journal of Medicine*. 356: 2713-2719

Studies from more than six countries report a high prevalence of harmful medical errors. Most providers and patients realise that health care services are potentially hazardous and that errors sometimes occur despite the best efforts of people and institutions. Patients expect to be informed promptly when they are injured by care, especially care that has gone wrong. However, a divide between these expectations and actual clinical practice is increasingly evident.

Kelagher, M., Dunt, D. and Dodson, S. 2007. Unemployment, contraceptive behaviour and reproductive outcomes among young Australian women. *Health Policy*. 82 (1): 95-101

This paper examines whether unemployment and partnership affects pregnancy, live births and terminations among young Australian women. Unemployment has conventionally been used in epidemiological studies to examine the health effects of loss of opportunity, material resources and satisfaction associated with work. During welfare reform in the 1990s it was argued that unemployment and

associated welfare receipt could influence reproductive choice.

Kesselheim, A.S. and **Studdert, D.** 2007. Role of professional organisations in regulating physician expert witness testimony. *JAMA - Journal of the American Medical Association*. 298 (24): 2907-2909

The physician's role as expert witness in legal proceedings can be controversial, especially in medical malpractice litigation in which physicians opine on the quality of care rendered by their colleagues. Apprehension about high-cost malpractice claims in recent years has focused attention on the potential for physician experts to fuel inappropriate litigation through testimony that is not well grounded in prevailing clinical standards or science.

Mckenzie, R., Naccarella, L. and Thompson, C. 2007. Well for Life: Evaluation and policy implications of a health promotion initiative for frail older people in aged care settings. *Australasian Journal on Ageing*. 26 (3): 135-140

This paper discusses the findings and policy implications of an evaluation of *Well for Life*, a health promotion initiative that focuses on good nutrition and physical activity for frail older people in

Planned Activity Groups and residential aged care facilities. The evaluation methodology employed the RE-AIM framework to identify various dimensions of program quality and public health impact. The evaluation found that *Well for Life* has achieved positive results in workforce development, health promotion capacity-building and linkages between aged care services and the broader primary care sector. Planned Activity Groups are a promising setting for health promotion for frail older people. Residential care settings are a more challenging environment as there are greater barriers to change in staff practices and greater frailty among residents. Further evaluation is required to inform decision-making about the focus of investment in health promotion for frail older people in the longer term.

Peacock, S., Richardson, J., **Carter, R.** and Edwards, D. 2007. Priority setting in health care using multi-attribute utility theory and program budgeting and marginal analysis (PBMA). *Social Science and Medicine*. 64: 897-910

Program budgeting and marginal analysis (PBMA) is becoming an increasingly popular tool in setting health service priorities. This paper presents a

novel multi-attribute utility (MAU) approach to setting health service priorities using PBMA. This approach includes identifying the attributes of the MAU function; describing and scaling attributes; quantifying trade-offs between attributes; and combining single conditional utility functions into the MAU function. We illustrate the MAU approach using a PBMA case study in mental health services from the Community Health Sector in metropolitan South Australia.

Staff

The Centre comprises 30 full time and part time staff, (27 academics, three professional staff). The Centre also has five honorary staff members.

Five new staff joined the Centre in 2007:

- **Professor David Studdert**, Federation Fellow (please refer to Head of Centre report for further details).
- **Associate Professor Bridget Hse-Hage**. Associate Professor Hse-Hage is a population health researcher with a background in statistics and epidemiology.
- **Dr Arthur (Ya-Seng) Hsueh**. Dr Hsueh is coordinating the teaching of Health Economics and Economic Evaluation, as well as Health Economics and Program Evaluation within the Master of Public Health. His current research focuses on the following areas:
 - exploring ways to move from a single disease and curative care model to a patient-centred multiple-disease focused care strategies with preventive care;
 - developing incentive systems that reduce the need for care of patients while also increasing the demand for better health awareness and prevention; and
 - deploying ways to achieve and maintain both hospital efficiency (for reducing costs) and effectiveness (for safety and quality of care).
- **Dr Bridget Bassilios**. Dr Bassilios is currently involved in the national evaluation of the Better Outcomes in Mental Health Care program headed by Jane Pirkis.
- **Ms Justine Fletcher**. Ms Fletcher is also currently involved in the national evaluation of the Better Outcomes in Mental Health Care program and the evaluation of the new Medicare Benefits Schedule psychologist item numbers.

Please refer to the School Report for a full list of staff.

CHPPE Major Grants awarded in 2007

Grantor	Investigators	Scheme	Project Title	Period	Amount
The Victorian Health Promotion Foundation	Margaret Kelaher, Yin Paradies, Anne Pederson (Murdoch University), Deborah Warr, Ian Anderson, John Wiseman.		Evaluation of Building Bridges Phase 11 (Evaluating Practice to Reduce Discrimination Affecting CALD communities)	2007-2011	\$260,000
Commonwealth Department of Health and Ageing	Philip Burgess (University of Queensland), Jane Pirkis, Tim Coombs (New South Wales Institute of Psychiatry), Judy Hardy, Andrew Dare		Carer outcome measurement in mental health services		\$105,450 (UM component only)
Queensland Health	Jane Pirkis, Jo Robinson (Orygen Research Centre), Michelle Williamson, Philip Burgess (University of Queensland), Meredith Harris (University of Queensland), Cathrine Mihalopoulos (Deakin University)		Evaluation of the Queensland Government Suicide Prevention Strategy	2007-2008	\$99,980
National Institute of Health (Via Dana Farber Cancer Institute)	David Studdert and Steven Joffe (Dana-Faber Cancer Institute)		Compliance with adverse event reporting requirements in cancer clinical trials	2007-2008	\$US49,271
The Robert Wood Johnson Foundation,	David Studdert and Michelle Mello (Harvard School of Public Health)		Designing a reliable system of medical justice.	2007	\$US46,702
Australian Rotary Health Research Fund	Jane Pirkis, Philip Burgess (University of Queensland), Harvey Whiteford (University of Queensland), Grant Blashki (Department of General Practice, The University of Melbourne), Lyn Littlefield (Australian Psychological Society)	Mental Illness Research Grant	An evaluation of the new Medicare Benefits Schedule psychologist item numbers: Impacts for psychologists and their patients.	2007 2008	\$47,375 \$58,625
beyondblue	Jane Pirkis, Andrew Dare, Warwick Blood (University of Canberra)		Monitoring Media Reporting of Depression	2007-2008	\$33,200

MELBOURNE SCHOOL OF POPULATION HEALTH

CIMH

CENTRE FOR INTERNATIONAL
MENTAL HEALTH

WHO COLLABORATING CENTRE

ANNUAL REPORT 2007

Director of the Centre for
International Mental Health,
Associate Professor
Harry Minas.



The Centre for International Mental Health (CIMH) is dedicated to research, teaching and policy reform in the field of mental health, in Australia and the broader international community. CIMH works to support – through research, education and knowledge transfer activities – the development of mental health systems that are responsive to the needs of Australia's culturally diverse population and the development of effective mental health systems development in low-income and post-conflict societies.

Overview

2007 saw increased emphasis given to mental health and the need for mental health service development locally and on a global scale. In September 2007 *The Lancet* published a series of six papers on global mental health. This was launched, together with the launch of the International Journal of Mental Health Systems, by CIMH and the Nossal Institute for Global Health in Melbourne in October. *The Lancet* Global Mental Health Group (Associate Professor Minas is one of three Australian members of the Group) is working – with the active support of *The Lancet* – on the creation of a more active and effective movement for global mental health.

CIMH Director, Associate Professor Minas, was appointed to the WHO International Panel of Experts on Mental Health and Substance Abuse.

Associate Professor Minas is a member of the Immigration Minister's Immigration Detention Advisory Group and is Chair of the Detention Health Advisory Group. With significant contributions from these two advisory groups there were major changes in Australian immigration detention policy and practice. These changes are both welcome and long

overdue. Further positive change in this area of policy is expected in 2008 following the election of the Rudd government.

CIMH mental health system development projects in Aceh and Sri Lanka (supported by World Vision Australia) made substantial progress in the development of community-based mental health service capacity during 2007.

Towards the end of 2007 substantial agreement had been reached for major stakeholders on the establishment of a national taskforce on mental health system development in Indonesia and in Vietnam. CIMH is technical advisor to both of these emerging programs of activity.

Learning and teaching

CIMH contributed to the field of transcultural mental health in learning and teaching through provision of education and training programs. The annually offered Selective in Transcultural Psychiatry (as part of the Master of Psychiatry (Melb) and Master of Psychological Medicine (Monash) program) continued in 2007 to attract large numbers of psychiatric registrars. CIMH also contributed to the wide range of professional

development courses offered by the Victorian Transcultural Psychiatry Unit, with which CIMH collaborates closely.

Tania Miletic, with colleagues from the former International Conflict Resolution Centre, developed, with the assistance of the Biomedical Multimedia Unit, a DVD-based training program on conflict analysis.

The Australian Mental Health Leadership Program and the International Mental Health Leadership Program continues to be refined and re-developed. AusMHLP attracts students from across Australia and iMHLP from throughout Asia and the Pacific.

"Having the opportunity to learn from leaders in mental health policy and other broader realms beyond clinical practice through ausMHLP has been invaluable. I have also enjoyed the interaction with colleagues from different states and mental health systems."

– Dr Simon Jones, Principal Psychiatry Registrar, Department of Neuropsychiatry, Royal Melbourne Hospital, Victoria

Master of International Mental Health

This postgraduate degree program is a response to the global need for strengthened capacity in mental health policy, service development and health systems research.

MIMH is a one-year full-time or two-years part-time postgraduate degree open to medical and other mental health professionals. The program is taught in mixed delivery mode, with intensive teaching at The University of Melbourne, regional workshops, online seminars and project supervision. It is intended that in 2008 this program will be re-structured

in the context of the changes that are occurring as part of the introduction of the Melbourne Model.

Graduate Research Students

PhD

Angela Donohue, *The effects of individual, family and community level mediators on adolescent adjustment as a result of war-related experiences in Croatia and Australia.*

Catherine Lazaroo, *Making meanings; East Timorese asylum seekers, narrative, and mental health.*

Rafidah Aga Mohd Jaladin, *Multicultural counselling and competencies in Malaysia.*

Dzenana Kartal, *Post-traumatic stress in population of Bosnian refugees in Australia, Austria and Bosnia.*

Helen Evert, *War experiences and the emotional health and well-being of Polish elderly migrants.*

Highlight: Helen Evert submitted her PhD thesis in 2007. Helen has interviewed 72 Polish elderly people living across Melbourne about their experiences during the Second World War. The study aimed to assess the emotional health and well-being of people who experienced a range of traumatic events. Each person has generously given a detailed account of their lives in pre-war Poland, what happened to them during the war and the events leading up to their migration to Australia. A quantitative interview schedule was developed in Polish to measure depression, anxiety and PTSD, as well as collect socio-demographic and other health related information. A narrative interview was also included

for some of the participants as an opportunity to tell their story.

Master of Mental Health Sciences (Transcultural Psychiatry) (completed in 2007)

Ku Tan, *Culture and stigma of mental illness.*

Research

The CIMH research program is focused on applied and theoretical research on issues of population mental health and relevant health systems. It is divided into two streams, the first focused on mental health of immigrant and refugee communities in Australia and the second focused on populations in resource-constrained countries (particularly, but not exclusively, in the Asia-Pacific region).

Transcultural Mental Health Research

The main focus of this work to date has been on longer-resident communities in Australia as the refugee and recent arrival research has received substantially more attention. In view of the population trends in ageing within the large population of culturally and linguistically diverse groups in Australia and the increased somatic morbidity related to increased age, CIMH has more recently been engaged in examining the relationship between mental and physical disorders, taking the case of diabetes and depression as its central point for this work. A second direction has been to examine the health services providing mental health care (including public mental health services, general practice and primary care settings and private practicing psychology and psychiatry services). CIMH has developed and applied new methodologies for examining internal

organisational processes in mental health services and pathways through care in order to understand how such factors interact in service delivery under the weight of client cultural and social diversity, therefore providing insight into the quality of care and factors related to this.

International Mental Health Development Research

The problems in mental health care in resource-limited countries are wide-ranging and often severe, including inadequate infrastructure and workforce, inadequate policy and political attention to mental health issues, and poor availability or coordination of systems of care. The CIMH sees value in the development of research and research capability/capacity in such countries as a means for promoting reform and developing appropriate mental health systems. In Sri Lanka, projects focusing on the mental health and well-being of school-aged children affected by the tsunami and examining issues of suicide risk, particularly among women, are continuing. In Aceh, Indonesia, a particular focus of research that has emerged is examination of the practice of restraint and confinement of mentally ill people in the community.

Community activities

In its role as a WHO Collaborating Centre, CIMH continues to be an active contributor to WHO programs in Asia, in close collaboration with Regional Offices in Manila and New Delhi and with WHO country offices in Indonesia, Sri Lanka and Vietnam.

As part of the emerging movement for global mental health that has been initiated

CIMH: International Mental Health System Development Program

Education and training

Building workforce capacity (in Australia and AsiaPacific)

Mental Health Systems Research

Evidence for policy and practice

Leadership training

Knowledge Transfer and Exchange

Development Projects

e.g. Indonesia, Philippines, Sri Lanka, Thailand, Vietnam

International Journal of Mental Health Systems

Annual Mental Health Systems Development Conference

MH System Development

This is the goal of all the other activities.

Our most active mental health system development programs are currently in Indonesia, Vietnam and Sri Lanka

We aim to scale up existing projects and enhance our capacity to expand the program in other countries

Giving voice to research from developing countries

An open-access, online journal highlighting the urgent need for mental health services in developing countries is generating strong global interest since its launch earlier this year by the Centre for International Mental Health (CIMH).

The CIMH's Director, Associate Professor Harry Minas, is Editor-in-Chief of the *International Journal of Mental Health Systems*, which has an editorial board of eminent experts drawn from 28 countries.

Associate Professor Minas says individual papers had been downloaded more than 3000 times since the website's launch in the second half of 2007. "Given that we've done very little promotion of the Journal, it's really encouraging and demonstrates that there's interest in this field."

Visitors to the website, www.ijmhs.com, can access all the content for free because the authors pay an article processing charge to BioMed Central, the open access publisher. However, Associate Professor Minas says these costs could be a barrier to publishing for some researchers.

"One of the key reasons for setting up the journal was to have an avenue for publication for people from low and middle income countries," he says. "They are still prevented from doing that because of the cost of publishing, so the next task is to get



INTERNATIONAL JOURNAL
MENTAL HEALTH SYSTEMS

funding to enable us to pay the article processing charges for researchers from low and middle-income countries.

"We want to get as much high quality research and comment from those countries as possible."

Associate Professor Minas has been having discussions with major NGOs about funding for the journal, and he hopes that organisations such as AusAID would also contribute to article processing charges. "It's an extension of what they already do – it's the last part of the process," he says. "It would be a very small investment for a very big return, but without that small investment we can't realise the Journal's potential."

Another highlight of 2007 for CIMH was a separate new website venture, this time by *The Lancet* Group's Movement for Global Mental Health, that has also enlisted Associate Professor Minas's support. Working jointly with Professor Oye Gureje, of Nigeria, he is responsible for the Capacity Building section of the new website, which continues the

efforts of the recent *Lancet Series* to promote scaling up of mental health services in low and middle-income countries.

Associate Professor Minas was one of three Australians invited to join *The Lancet* Global Mental Health Group, and, with the Nossal Institute for Global Health, the CIMH later co-hosted the Australian launch of *The Lancet Series* in October 2007.

In a significant recognition of CIMH's standing, the Centre has the prospect of being appointed by the government health authorities of both Indonesia and Vietnam as technical advisor in the development of their respective mental health systems, as the result of negotiations during 2007.

Indonesia's Ministry of Health will lead a national taskforce, with CIMH as the international technical advisor for the development of the Indonesian mental health system. At a workshop convened by WHO in Hanoi in December, Vietnam agreed to set up a similar taskforce.

• *The International Journal of Mental Health Systems* is at www.ijmhs.com

by *The Lancet* series on global mental health, it is expected that CIMH will play a particularly active role in advocacy and capacity building components of this new program.

Through the Immigration Detention Advisory Group and the Detention Health Advisory Group, CIMH has consistently pointed to the lack of relevant research for Immigration Department policies and practices. In 2007, the Department agreed to establish a detention research program, which is expected to commence in 2008.

International mental health seminars

CIMH holds seminars on a regular basis with distinguished guest speakers from Australia and abroad. These seminars help to keep staff, students and the interested public informed about current

issues and research in the area of international and transcultural mental health and related fields, with a special theme for 2007 focusing on international mental health systems development. Seminars were well attended by a diverse range of staff and students across faculties and from a vibrant cross-section of private and public sector organisations and community groups.

Key Achievement

- Launch of the new journal *International Journal of Mental Health Systems*.

The CIMH Director has established a new, independent, peer-reviewed, open access journal, published by BioMed Central. The Journal has a distinguished international Editorial Board. The International Journal of Mental Health Systems will publish papers on all

aspects of mental health system development. As mental health is increasingly recognised as a priority public health issue, and important developments are occurring in mental health systems development in a number of world regions, this initiative provides the first single journal to which those who are engaged can turn for relevant research, debate and education in this growing field.

Publication highlights

For details of all 2007 CIMH publications please refer to the full school 2007 Publications Report, beginning on page 93.

Bhugra D & Minas I.H. 2007. *Mental health and global movement of people*. *The Lancet*. **370** (9593): 1109-1111.

Minas H, Klimidis S & Kokanovic R. 2007.

Depression in multicultural Australia: Policies, research and services. Australia and New Zealand Health Policy. **4** (16): 11. (BMC highly accessed)

Colucci E. 2007. *Ethnocultural Aspects of Suicide in Young People: A Systematic Literature Review Part 1: Rates and Methods of Youth Suicide*. *Suicide and Life-Threatening Behavior*. **37** (2): pp. 197-221.

Colucci E. 2007. *Ethnocultural Aspects of Suicide in Young People: A Systematic Literature Review Part 2: Risk Factors, Precipitating Agents, and Attitudes Toward Suicide*. *Suicide and Life-Threatening Behavior*. **37** (2): pp. 222-237.

Minas H & Cohen A. 2007. *Why focus on mental health systems*. *International Journal of Mental Health Systems*. **1** (1): 1-4.

MELBOURNE SCHOOL OF POPULATION HEALTH

SHU

SEXUAL HEALTH UNIT

ANNUAL REPORT 2007



Director of the Sexual Health Unit, Professor Christopher Fairley.

The University of Melbourne's Sexual Health Unit (SHU) is situated at the Melbourne Sexual Health Centre, which is also a division of the Bayside Health Network. The vision of the MSHC is to be a leader in the management and prevention of Sexually Transmitted Infections (STIs) and its mission is to maximize sexual health through innovation and excellence in public health, education, clinical care and research.

Overview

The Melbourne Sexual Health Centre (MSHC) has provided high quality care to 16,877 individual clients who registered in 2007 with a total of 27,457 consultations.

One of its key roles is to promote sexual health and disseminate information and education materials to the general public and health care providers (e.g. General Practitioners) in diagnosing and treating STIs. MSHC provides wide-reaching support to GPs through various means such as extensive web page and 1800 009 903 telephone number directly to a sexual health physician.

A new website was launched for MSHC (<http://www.mshc.org.au>), which is comprised of three major sections that

include the general public, health professionals, and research and education. There are also interactive online services for the general public to check their risk of exposure to an STI (<http://www.checkyourrisk.org.au>) and for HIV positive people to find out what tests are needed and also what issues should be on the agenda for the next visit to the doctor or clinic (<http://www.healthmap.org.au>).

Health Map asks questions about health and provides a personal report, based on expert advice. This report directs users to chosen websites for particular needs, and provides some facts and a "to do" list for medical care. Improving partner notification is one of the most effective means of improving STI

control because partners of individuals with STIs are most likely to also have STIs and continue transmitting their infection because so few have symptoms. Consistent with MSHC's aim of supporting GPs, an online service called GP-Assist (<http://www.mshc.org.au/GPassist>) was developed and tested. It provides a mechanism to improve partner notification through providing the <http://www.mshc.org.au/GPassist> web address on laboratory reports of positive results of common STIs. Accessible information about treatment of the more common STIs, and simple tools such as partner letters and fact sheets for GPs to use in discussing partner notification are also available at this site.

Services and Consultations

The numbers of consultations by type of service onsite are shown in the table below. A further 505 outreach consultations were carried out offsite at various venues for men-who-have-sex-with-men (MSM) and street sex workers (SSW).

Clinic Type	Total	Male	Female	Transgender
General Clinic	23,744	13,446	10,265	33
HIV Clinic	1557	1390	165	2
Outreach	407	357	49	1
Counselling	932	700	231	1
Vaccination	817	565	252	-
Total	27,457	16,458	10,962	37
Individuals	16,877	9962	6891	24

Teaching and learning

In collaboration with the Melbourne School of Population Health, the Centre offers a number of postgraduate courses, postgraduate subjects and short courses in sexual health. These have been well attended and will provide the Victorian community with a highly trained workforce that improves the quality of sexual health services outside the Centre.

Master of Public Health (MPH)

Many students undertaking the MPH select sexual health subjects as part of their master's degree. These subjects have become increasingly popular and, as a result of this, from 2008 there will be a formal Sexual Health Stream within the Masters of Public Health. This will enable students to pursue research projects in Sexual Health as part of their MPH program.

Post Graduate Certificate of Public Health (Sexual Health)

This course continues to attract students from a variety of professional backgrounds. The PG Certificate has become a valued qualification for both nurses and doctors wanting to specialise in sexual health.

- Semester 1 – Control of Sexually Transmissible Infections 505-431/531.

Diagnoses

The numbers of the most frequently made diagnoses in consultations are shown in the table below.

Diagnoses	Total
<i>Chlamydia trachomatis</i>	721
<i>Neisseria gonorrhoeae</i>	205
Nongonococcal urethritis	781
Herpes simplex virus	786
Syphilis	117
Bacterial vaginosis	518
Warts	1611
Human immunodeficiency virus (new cases)	42*
HIV post exposure prophylaxis	190
Post coital intervention	83
Trichomoniasis in women	10

* includes 2 females

- Semester 1 – Sexually Transmissible Infections 505-432/532.
- Semester 1 – Clinical Sexual and Reproductive Health for nurses 505-434/534. This subject is also accredited by Royal College of Nursing as a pap smear provider course.
- Semester 1 – Adolescent Sexuality and Sexual Health 571-821. This subject is run collaboratively with the Centre for Adolescent Health, Department of Paediatrics, University of Melbourne.
- Semester 2 – Sexual & Reproductive Health – 505-433/533.
- Semester 2 – Sexual Function and Dysfunction – 505-441/541.

Short course series on many

different aspects relating to STIs and clinical attachments at MSHC are also offered.

Undergraduate Teaching

- Semester 5 – public health control of STIs.
- Semesters 6 and 7 – Advanced Medical Science (AMS) – clinical research projects.
- Semester 8 – clinical aspects of STIs.
- Clinical attachments to Melbourne Sexual Health Centre.

Research

The Centre has continued to maintain strong research and education activities through the Melbourne School of Population Health at The University of Melbourne.

The research projects of higher degree candidates enrolled through the

Melbourne School of Population Health are aimed at enhancing the services and promotion of sexual health offered at MSHC.

Postgraduate Courses

Completed:

HIV/AIDS prevention and management. **Moshin Sidat**, PhD.

Using computers to improve sexual history. **Robin Tideman**, PhD.

In progress:

A look at two opposing STI trends in Australia: Increasing HIV and decreasing Trichomonas vaginalis. **John Marrone**, DPH (submitted).

Quality assurance project of the diagnostic accuracy of pelvic inflammatory disease. **Asiye Doxanakis**, MPH.

An investigation of interventions aimed at enhancing sexual satisfaction in women. **Richard Hayes**, PhD.

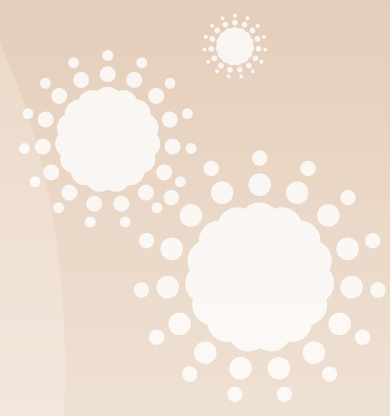
Chlamydia incidence and re-infection rates: a longitudinal study of young Australian women. **Jennifer Walker**, PhD.

The screening and control of Chlamydia. **Jade Bilardi**, PhD.

Advanced Medical Students

Completed:

More than just anal sex: the potential for STI transmission among men visiting sex on premises venues in Melbourne. **Chee Wun Phang**, Advanced Medical Student (AMS).



In progress:

The Clinical Features of HIV patients in Melbourne Sexual Health Centre who Experienced Renal Impairment Events: Case Series and Case-Control Study. **Jeremia Siregar** (AMS).

Survey of female patients on the use of chaperones with male practitioners. **Charley Simanjuntak** (AMS).

The perception of MSM about HPV and the GARDASIL vaccine. **Devamalar Simatherai** (AMS).

Investigation of pelvic examinations on asymptomatic women with chlamydial infection among doctors at MSHC. **Yi Man Lee** (AMS).

Research grants

- **Fairley CK, Bradshaw C, Pirota M, Garland SM, Hocking J.** Treatment of bacterial vaginosis: a randomised controlled trial. NHMRC (Project Grant # 454644) 2007-2009, \$255,425.
- Tabrizi S, **Fairley CK**, Donovan B. Project Grant. Surveillance of LGV Chlamydia trachomatis types among men who have sex with men (MSM). NHMRC (Project Grant # 454620) 2007-2009, \$203,000.
- **Fairley CK.** Management of men-who-have-sex-with-men (MSM) with and without HIV: Survey of medical practitioners who are members of ASHM. (GSK Australia Pty Ltd) 2006-2007, \$19,546.

- **Fairley CK.** Health Map – interactive, web based program for PLWHA to improve the chronic disease management of HIV. DHS HIV Community Grant 2006–2007, \$27,297.

Key achievements

- The Centre was the winner in the Category of Innovation in Information Technology, Victorian Health Awards 2007, for the online program aimed at GPs that was initiated to improve partner notification by using the website GP-Assist (<http://www.mshc.org.au/GPassist>).
- Melbourne Sexual Health Centre was the recipient of the 2007 President's Award, Victorian Aids Council (VAC), presented at the discretion of the President of VAC to an individual, group or organisation that has demonstrated visionary leadership in improving the quality of life for HIV-positive people. Often the recipient will have served over a long period and contributed to high level improvements in services for HIV positive people and to an increased awareness of HIV issues.
- Catriona Bradshaw was the recipient of one of four L'Oreal For Women in Science fellowships for \$20,000.
- The article by Chen MY, Fairley CK and Donovan B, 'Discordance between trends in chlamydia notifications and hospital admission rates for chlamydia-related diseases in New South Wales, Victoria' published in the journal *Sexually Transmitted Infections* (2005; 81: 318-322), was one of the top 15 most cited articles in 2006 quoted in the Editorial published in 2007 for Journal Impact Factors for 2006 (*Sex Transm Infect*, 2007; 83: 346).

notifications and hospital admission rates for chlamydia-related diseases in New South Wales, Victoria' published in the journal *Sexually Transmitted Infections* (2005; 81: 318-322), was one of the top 15 most cited articles in 2006 quoted in the Editorial published in 2007 for Journal Impact Factors for 2006 (*Sex Transm Infect*, 2007; 83: 346).

2007 conferences and public presentations

- Chlamydia screening: What is new in BV and what is new in NGU and syphilis – Seeing the epidemic is returning. Adolescent Sexual Health Day. Melbourne Division of General Practice. Melbourne, March.
- An Update on Sexually Transmitted Infections. RWH – The Annual Women's Health Update and Education Day. University of Melbourne, March.
- HIV prevention and male circumcision. Oxfam Australia. Melbourne, March.
- Differences in HIV rates between Victoria and Sydney. Network Theory Working Group: Complexity and Network Epidemiology. University of Melbourne, March.
- Sexual health, Palliative & HRT. The Royal Australasian College

of Physicians (RACP) – Adult Medicine Scientific Program Committee Congress. Melbourne, May.

- HIV Diagnoses among Gay Men and Other MSM – AFAO National Forum on HIV. Sydney, August.
- Chlamydia Screen: but how? Mother and Child Health Research, La Trobe University, Melbourne, November.

Publication highlights

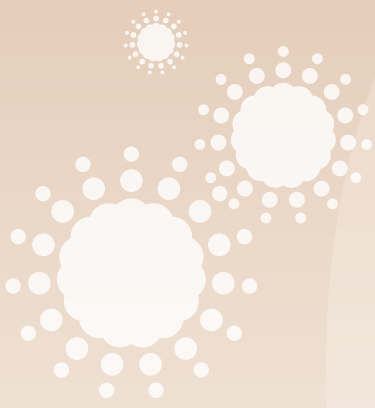
For a full list of publications, see the 2007 Publications Report, page 93.

Study: Experiences and perceptions of patients with 100% adherence to highly active antiretroviral therapy (HAART) – a qualitative study. **Sidat M, Grierson J, Fairley CK.** *AIDS Patient Care and STDs* 2007; 21(7): 509-520

The aim of this study was to understand from patients' perspectives and experiences what resulted in them having 100% adherence to HAART. In-depth interviews were conducted with 10 participants (seven men and three women).

The study found that 100% adherence was associated with:

- a readiness to go on HAART;
- HAART being viewed as a life-line and related with a willingness to live longer and healthier;
- an ongoing patient-



- physician relationship;
- better coping and/or lack of perceived side effects; and
- improvement in clinical condition as well as in CD4 T-cell count and viral load.

All of these aspects reinforced the patients' motivation to continue 100% adherence.

Study: The differing views of male and female patients toward chaperones for genital examinations in a sexual health setting. Teague R, Newton D, **Fairley CK, Hocking J, Pitts M, Bradshaw C, Chen M.** *Sexually Transmitted Diseases*, 2007; 34(12): 1004-1007.

An anonymous questionnaire was administered to patients attending Melbourne Sexual Health Centre to determine the attitudes of male and female clients to the use of chaperones during genital examination within a sexually transmitted infection clinic. Only 7% of male patients expressed the need for a chaperone when examined by a male practitioner and 6% if examined by a female practitioner.

Among female patients, 27% felt the need to have a chaperone when being examined by a male practitioner, compared to 6% when being examined by a female practitioner. Around

one third of male and female patients indicated they would feel uncomfortable having a chaperone present regardless of whether the practitioner was male or female.

Study: Australian sexual health practitioners' use of chaperones for genital examinations: a survey of attitudes and practice. Newton DC, **Fairley CK**, Teague R, Donovan B, Bowden FJ, **Bilardi J**, Pitts M, **Chen MY.** *Sexual Health* 2007; 4(2): 95-97.

The current practice and attitudes of Australian sexual health practitioners towards the use of chaperones for genital examinations was examined by use of an anonymous questionnaire. Of 166 questionnaires posted out to members of the Australian Chapter of Sexual Health Medicine, 110 completed the questionnaire (66%).

Of these, only 9% and 19% offered chaperone services routinely for all male and female genital examinations, respectively. Among practitioners who did not offer chaperone services routinely, chaperone services were offered with a mean frequency of 19% for female examinations and 8% for male examinations ($P=0.01$). Significantly more male practitioners compared to female practitioners

thought a chaperone was important for medico-legal purposes when examining females (72% v 53%, $P=0.05$). In addition, significantly more female practitioners compared to male practitioners thought a chaperone was sometimes important for reasons of support when examining male patients (52% v 26%, $P < 0.001$). However, only 39% of male practitioners and 36% of female practitioners felt resources spent on chaperones were justified by the benefits they provided.

Despite only a minority of practitioners offering chaperones to patients during examinations, many feel they are important for medico-legal reasons and support for the patient. The authors concluded that best practice may be to offer chaperone services routinely and record when the offer is declined.

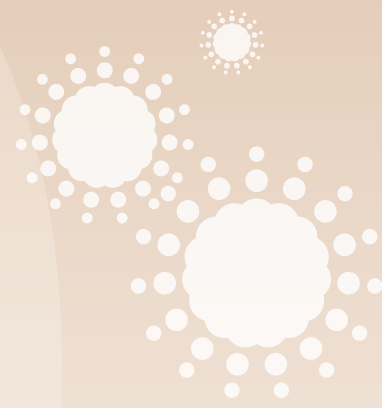
Study: Prevalence of sexual difficulties among female sex workers and clients attending a sexual health service. **Thiloma Munasinghe, Richard D Hayes, Jane Hocking, Jocelyn Verry, Christopher K Fairley.** *International Journal of STD & AIDS* 2007; 18: 1-4.

The objective of the study was to determine by anonymous survey the proportion of sex workers and non-sex workers with

sexual difficulties attending Melbourne Sexual Health Centre. There were 93 female sex workers and 178 non-sex worker female clients who consented to participate in the self-administered questionnaire about demographic characteristics, sexual behaviour, prevalence of sexual difficulties with their non-work related partners, distress regarding their sex life, physical pleasure, emotional satisfaction with sex and overall satisfaction with their life.

Comparing sex workers to non-sex workers, 34% v 42% respectively experienced painful sex, anorgasmia was recorded in 43% v 40%; vaginal dryness in 45% v 36%; and performance anxiety in 28% v 37%. Physical pleasure and emotional satisfaction with sex and overall life satisfaction was similar in both groups. Sex workers were more likely to experience sexual disinterest (odds ratio 1.9; 95% CI 1.1 to 3.2), and were less likely to report being distressed about their sex life ($p = 0.04$). The prevalence of sexual difficulties, other than desire was similar to non-sex workers. These findings may be relevant only to sex workers operating in a highly regulated sex industry.

Study: A randomised controlled trial comparing



Needle exchange, education, were key to HIV campaign

Twenty years after the "Grim Reaper" TV advertisements bowled fear of HIV into our living rooms, Australia's rates of HIV infection are still, in international terms, comparatively low.

But the Director of the Sexual Health Unit (SHU), Professor Christopher Fairley, says that the controversial 1987 campaign was not responsible for keeping HIV (Human Immunodeficiency Virus) from becoming an epidemic in Australia.

Professor Fairley credits the introduction of needle exchange programs, the availability of universal healthcare in Australia and the early involvement in education programs by gay community-based organisations as major factors that successfully "muted" a potential epidemic here.

The SHU, which opened in 2001, has built on the knowledge gained from that era. Located at the Melbourne Sexual Health Centre (MSHC), the SHU has created a highly responsive model in which the Unit's research priorities address the sexual health challenges facing the community, as they emerge through the treatment of patients at the Centre.

In 2007 alone, the MSHC provided about 30,000 client consultations.

"Our ability to make this contribution by bringing prevention into the provision of healthcare is about accessing people at the point of healthcare," he says. "So whether it's treatment or screening, our effectiveness is greatly facilitated by the synergy that results from a clinical service, that is, the Melbourne Sexual



Health Centre, being so strongly associated with an academic university. The MSHC is funded by Department of Human Services through Bayside Health and it is very well integrated into the Melbourne School of Population Health (MSPH)," he says.

"A high level, sophisticated, pragmatic practise of clinical medicine results from that union."

"At the MSHC, our main focus for heterosexuals is chlamydia screening," he says. "We have a number of large research grants aimed at trying to determine the most optimal way to get young women under 25 tested for chlamydia.

"For men who have sex with men, our focus is on how to improve their access to healthcare. Many STIs are asymptomatic and you will improve the detection of STIs if you have frequent screening, followed by termination of the STIs.

"Then there is our work to ensure that

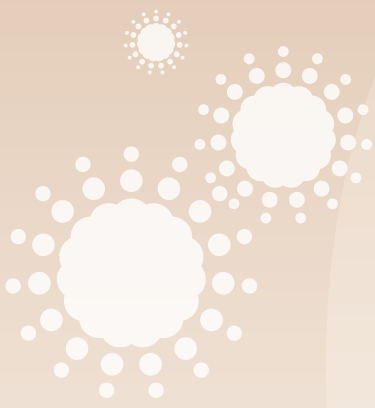
clinicians recognise symptoms earlier. For example, syphilis wasn't around for 20 years so many clinicians and patients have never seen it so they are persisting with symptoms longer than they need and passing it around in the interim period before diagnosis," he says. "We are focusing on better education, so we reduce the period of time between when someone gets symptoms and then gets treatment. Our website has quite graphic pictures of what syphilis can look like.

"We are also trying to get more regular testing for syphilis. Men who have sex with men and who have HIV are particularly badly affected by syphilis so we recommend they get tested on a monthly basis."

For gonorrhoea, the MSHC is also emphasising the need for more frequent testing, because the STI is often asymptomatic.

The Centre's work on HIV is two-fold: to encourage the practise of protected sex and to encourage more frequent testing to assist early diagnosis and to prevent its spread.

"All of this work is only possible due to the substantial contribution of a number of people," Professor Fairley says, "particularly Dr Marcus Chen, Research Fellow at MSPH, Dr Jane Hocking, of the Key Centre for Women's Health in Society, and Dr Catriona Bradshaw, an honorary member of the MSPH."



computer-assisted with face-to-face sexual history taking in a clinical setting. **Tideman RL, Chen MY**, Pitts MK, **Ginige S**, Slaney M, **Fairley CK**. *Sexually Transmitted Infections* 2007; 83: 52-56. Sexual health history taking is an important routine component of any sexual health consultation. The accuracy is important as it has direct implications on the

resulting management and treatment. This randomised study evaluated computer-assisted self-interviews (CASI) compared to face-to-face interviews (FTFI) using identical predefined questions for eliciting sexual history. FTFI was the pre-existing routine method for taking sexual history at Melbourne Sexual Health Centre. All participants

completing CASI also underwent FTFI and the clinicians were not aware that these patients had undergone CASI.

The majority of participants (95%) found CASI easy to use and 86% were comfortable using CASI. There were no differences in reported risk behaviours between CASI and FTFI except women reported

considerably higher numbers of male partners using CASI. The results of this study indicated that CASI can be reliable, efficient and a highly acceptable method for screening of sexual risk in a clinic setting. CASI could be used routinely before a clinical consultation, saving time and thus improving clinical efficiency of services.

MELBOURNE SCHOOL OF POPULATION HEALTH

VIRGO

VACCINE AND IMMUNISATION RESEARCH GROUP

ANNUAL REPORT 2007



**Group Leader,
Professor Terry Nolan.**

The Vaccine and Immunisation Research Group operates as a research collaboration with the Murdoch Childrens Research Institute with our staff based in the Melbourne School of Population Health. Research focuses on clinical trials of new vaccines, mathematical modelling of vaccine-preventable diseases (VPDs), the epidemiology of vaccine-preventable viral diseases, and the evaluation of immunisation programs. VIRGo contributes to the NHMRC National Capacity Building Program in Mathematical Modelling in Infectious Diseases, and works closely with the NHMRC Centre for Clinical Research Excellence in Immunisation (MCRI, University of Melbourne and Menzies consortium).

Research

Vaccine clinical trials

- 1: *Phase II* clinical trials of a pandemic influenza (H5N1) candidate vaccine in adults and children. These two studies extend the previously conducted Phase I study by evaluating safety and immunogenicity (immune response) with higher antigen doses (30mg and 45mg) of adjuvanted vaccine in 400 adults aged 18-64 years and 150 children aged between 6 months and 8 years.
- 2: Two *Phase III* clinical trials of combined Hib meningococcal serogroup CY and serogroup C conjugate vaccines in approximately 1300 infants. The purpose of these studies is to provide data on the immunogenicity and safety of a primary vaccination and boosters with these new vaccines, and to examine longer-term protection.

Mathematical modelling

Mathematical models of infectious disease can be used both to improve understanding of past outbreaks and to predict the likely ability of public health interventions to control future threats. This dual focus was apparent in

our work this year, with a continued primary focus on pandemic influenza. Ongoing NHMRC funding allowed us to utilise the rich data resources represented in the historical influenza database established in 2006 (see <http://www.influenza.sph.unimelb.edu.au>). In particular, we used models to explore possible causes underlying the far higher attack rates often observed in isolated populations compared with those in more populous countries and considered the implications of these findings for pandemic preparedness. Other NHMRC funded work included development of a novel model structure within which to consider optimal use of a limited stockpile of antiviral drugs during an influenza pandemic. We further collaborated in the development of a spatial model of influenza transmission to examine the effectiveness of social distancing measures, including school closure. Insights arising from these various approaches are being used by the Australian Government and other policy makers and planners.

Epidemiologic research

In collaboration with the University of Queensland, we have continued to develop a program of research focussed on working out the frequency of common and

newly discovered respiratory viruses in community-based samples, with potential for new virus discovery. Planning is progressing for studies involving healthy adult populations and longitudinal cohorts of families with young children to extend earlier work. We are also conducting studies of social contact patterns underlying the spread of infection within and between households to aid interpretation of epidemiological data.

Evaluation of immunisation and screening programs

This program of research includes continuing studies to evaluate the effectiveness of screening for chlamydia infection; evaluation of the prevention by conjugate pneumococcal vaccine of severe pneumonia in Australian Aboriginal children in the Northern Territory; and studies of the effectiveness of polysaccharide pneumococcal vaccine and inactivated influenza vaccine in preventing hospital admissions due to community-acquired pneumonia.

Publication highlights

For details of all 2007 VIRGo publications please refer to the full school 2007 Publications Report, beginning on page 93.

Skull S.A., Andrews R.M., Byrnes G.B.,



Supporting research: Victorian Government Planning Minister Justin Madden volunteers as a participant in a VIRGo influenza vaccine research study.

Kelly H.A., **Nolan T.M.**, Brown G.V., Campbell D.A. *Pneumococcal polysaccharide vaccine may not prevent hospitalisation with pneumonia in the elderly. (letter of substantive content)*, Clinical Infectious Diseases 2007;44:617.

Nolan T.M., Lambert S., Robertson D., Marshall H., Richmond P., Streeton C. *DTPa-HBV-IPV vaccine for primary vaccination of infants*, J Paeds Child Health 2007;43:587-92.

Danchin M.H., Rogers S., Kelpie L., Selvaraj G., Curtis

N., Carlin J.B., **Nolan T.M.**, Carapetis J.R. *The burden of acute sore throat and group A streptococcal pharyngitis in school-aged children and their families in Australia*. Pediatrics 2007;120(5):950-7.

Skull S.A., Andrews R.M., Byrnes G.B., Kelly H.A., **Nolan T.M.**, Brown G.V., Campbell D.A. *Prevention of community-acquired pneumonia among a cohort of hospitalised elderly: benefit due to influenza and pneumococcal vaccination not demonstrated*. Vaccine 2007;25:4631-40.

Skull S.A., Andrews R.M., Byrnes G.B., **Nolan T.M.**, Brown G.V., Kelly H.A. *Validity of self-reported influenza and pneumococcal vaccination status in elderly inpatients*. Vaccine 2007;43:576-81.

O'Grady K-A., Kelpie L., Andrews R., Curtis N., **Nolan T.M.**, Selvaraj G., Passmore J., Oppedisano F., Carnie J., Carapetis J. *The epidemiology of invasive Group A streptococcal disease in Victoria, Australia*. Medical Journal of Australia 2007;186:565-9.

Skull S.A., Andrews R.M., Byrnes G.B., Campbell D.A., **Nolan T.M.**, Brown G.V., Kelly H.A. *ICD-10 codes are a valid tool for identification of pneumonia in hospitalised patients ≥ 65 years.*

Epidemiology and Infection 2007;1-9. doi:10.1017/S0950268807008564.

Skull S.A., Andrews R.M., Byrnes G.B., Kelly H.A., **Nolan T.M.**, Brown G.V., Campbell D.A. *Missed opportunities to vaccinate a cohort of hospitalised elderly with pneumococcal and influenza vaccines.* Vaccine 2007;25:5146-54.

Giuliano A.R., Lazcano-Ponce E., Villa L., **Nolan T.**, Marchant C., Radley D., Golm G., McCarroll K., Esser M.T., Scott C Vuocolo, S., Barr E. *Impact of baseline covariates on the immunogenicity of a quadrivalent (Types 6/11/16/18) HPV virus-like-particle vaccine.* Journal of Infectious Diseases 2007;196:1153-62.

Lambert S.B., Allen K.M., Druce J.D., Birch C.J., McKay I.M., Sloots T.P., Nissen M.D., Carlin J.B., Carapetis J.R., **Nolan, T.M.** *Community epidemiology of human metapneumovirus, human coronavirus NL63, and other respiratory viruses in children using parent-collected specimens.* Pediatrics 2007;120(4):e929-e937.

Skull S.A., **Nolan T.M.** *Australia needs an expanded*

immunisation register for further improvements in vaccine delivery and program evaluation. Medical Journal of Australia 2007;187:504-5.

Nolan T.M., Lambert S., Robertson D., Marshall H., Richmond P., Streeton C., Poolman J., Boutriau D. *A novel combined Haemophilus influenzae type b-Neisseria meningitidis serogroups C and Y-tetanus-toxoid conjugate vaccine is immunogenic and induces immune memory when co-administered with DTPa-HBV-IPV and conjugate pneumococcal vaccine in infants.* Vaccine 2007;25:8487-99. <http://dx.doi.org/10.1016/j.vaccine.2007.10.013>

Mathews J.D., McCaw C.T., McVernon J., McBryde E.S., McCaw J.M. *A biological model for influenza transmission: pandemic planning implications of asymptomatic infection and immunity* PLoS ONE. 2007 Nov 28;2(11):e1220. PMID: 18043733 [PubMed - in process]

Mathews J.D., Goergen S Re: *Radiation: facts, fallacies and phobias.* Australasian Radiol. 2007 Jun;51(3):300-1. No abstract available. PMID: 17504325 [PubMed - indexed for MEDLINE]

McVernon J., McCaw C., Mathews J. *Model Answers or Trivial Pursuits? The Role of Mathematical Models*

in Influenza Pandemic Preparedness Planning. Influenza and Other Respiratory Viruses 2007; 1:43-54.

Mathews J.D., McCaw C.T., McVernon J., McBryde E.S., **McCaw J.M.** *A biological model for influenza transmission: pandemic planning implications of asymptomatic infection and immunity.* PLoS ONE 2007; 2(11):e1220.

McCaw J.M., McVernon J. *Prophylaxis or treatment? Optimal use of an antiviral stockpile during an influenza pandemic.* Math Biosci. 2007; 209(2):336-60.

Major presentations

Randomized, clinical trials of safety and immunogenicity of a prototype H5N1 influenza vaccine in healthy adults.

Professor Terry Nolan. Presented at World Health Organisation Pandemic Vaccines Review, Geneva, Switzerland, February 2007.

Summary of global consensus on evidence for interventions. **Dr Jodie McVernon.** Presented at the Office of Health Protection Pandemic Influenza Modelling Workshop, October 2007, Canberra.

Poster Presentation: Communicable Diseases Network of Australia Conference. March 2007, Canberra. **McVernon J.**, Wood JG, McCaw CT, McCaw J. The impact of

emerging antiviral drug resistance on influenza containment and spread.

Gerry Murphy Prize Presentation: Joint Australasian Faculty of Public Health Medicine/Australasian Faculty of Occupational Medicine Conference. May 2007, Melbourne. Modelling preparedness strategies for pandemic influenza control. **Dr Jodie McVernon.**

3rd Australian Influenza Symposium. 4-5 October 2007, John Curtin School of Medical Research, Canberra. McCaw J, Wood JG, McCaw CT, **McVernon J.** Impact of emerging antiviral drug resistance on influenza containment and spread: influence of subclinical infection and strategic drug use.

3rd Australian Influenza Symposium. October 2007, John Curtin School of Medical Research, Canberra. Milne GJ, Kelso JJ, Kelly HA, **McVernon J.** Quantifying the effect of non-pharmaceutical interventions during an influenza pandemic.

Mathews JD, Cheng A, and Leach AJ. Models for multiple carriage of pneumococci. WHO Pneumococcal Carriage Workshop – Helsinki, Finland. June 2007.

Mathews JD. The Changing Face of Kuru. Presentation to the “End of Kuru” symposium at the Royal Society, London October 2007.

MELBOURNE SCHOOL OF POPULATION HEALTH

PUBLICATIONS

REPORT

2007

A2 – Edited Books

Anderson I., Baum F. & Bentley M. 2007, *Beyond Band-aids: Exploring the Underlying Social Determinants of Aboriginal Health: Papers from the Social Determinants of Aboriginal Health Workshop, July 2004*, Cooperative Research Centre for Aboriginal Health, Darwin.

Jarvinen M. & **Room R.** 2007, *Youth Drinking Cultures: European Experiences*, Ashgate, Aldershot, UK.

A6 – Authored Books Other

Keys D. & Mayes C. 2007, *Becoming a Mum: Just the Whole World Changes*, The University of Melbourne, Melbourne.

Kirkman M., **Rosenthal D.** & Johnson, L. 2007, *Telling it Your Way. A Guide for Parents of Donor-conceived Adolescents*, Infertility Treatment Authority, Melbourne.

B1 – Research Book Chapters

Anderson I. 2007, 'Health policy for a crisis or a crisis in policy?', in Altman J. & Hinkson M. (eds), *Coercive Reconciliation: Stabilise, Normalise, Exit Aboriginal Australia*, Arena Printing and Publishing, Melbourne, pp. 133–140.

Anderson I. 2007, 'Policy processes', in Carson B., Dunbar T., Chenhall R.D. & **Baillie R.** (eds), *Social Determinants of Indigenous Health*, Allen & Unwin, Crows Nest, NSW, pp. 231–252.

Anderson I. 2007, 'Understanding the processes', in Carson B., Dunbar T., Chenhall R.D. & **Baillie R.** (eds), *Social Determinants of Indigenous Health*, Allen & Unwin, Crows Nest, NSW, pp. 1–40.

Cotter P., **Anderson I.** & Smith L.R. 2007, 'Indigenous Australians: Ageing without longevity', in Borowski A., Encel S. & Ozanne E. (eds), *Longevity and Social Change in Australia*, University of New South Wales Press, Sydney, pp. 65–98.

Hillier L., Mitchell A. & **Mallett S.** 2007, 'Duty of care: Researching with vulnerable young people', *Researching the margins: Strategies for Ethical and Rigorous Research with Marginalised Communities*, Palgrave Macmillan, UK, pp. 114–129.

Jarvinen M. & **Room R.** 2007, 'Conclusion: Changing drunken comportment or reducing alcohol-related harm', in Jarvinen M. & **Room R.** (eds), *Youth Drinking Cultures: European Experiences*, Ashgate, Aldershot, UK, pp. 161–174.

Jarvinen M. & **Room R.** 2007, 'Youth drinking cultures: European experiences', in Jarvinen M. & **Room R.** (eds), *Youth Drinking Cultures: European Experiences*, Ashgate, Aldershot, UK, pp. 1–16.

Maharaj N. 2007, 'Maternity and identity among ethnically Indian immigrant women in Melbourne, Australia', *Childrearing and Infant Care Issues: A Cross-cultural Perspective*, Nova Science Publishers, New York, pp. 185–198.

Minas I. 2007, 'Culture and human rights', in White J. & Marsella A. (eds), *Fear of Persecution: Global Human Rights, International Law and Human Well-being*, Lexington Books, Lanham, US, pp. 93–107.

Room R. 2007, 'Understanding cultural differences in young people's drinking', in Jarvinen M. & **Room R.** (eds), *Youth Drinking Cultures: European Experiences*,

Ashgate, Aldershot, UK, pp. 17–40.

Warr D. 2007, '"The stigma that goes with living here": Social-spatial vulnerability in poor neighbourhoods', in McLeod J. & Allard A. (eds), *Learning from the Margins: Young Women, Social Exclusion and Education*, Routledge, Oxford, UK, pp. 6–19.

B2 - Book Chapters Other

Baer H. 2007, 'Complementary and alternative medicine', in Ritzer G. (ed.), *The Blackwell Encyclopedia of Sociology*, Blackwell Publishers, Massachusetts, US, pp. 629–633.

Bland R., Clarke M., Elsom S., Epstein M., Farhall J., Fielding J., Fossey E., Leggett M., Liaw S., Meadows G., **Minas I.**, Olsen A., Roper C., Rosen A. & Singh B. 2007, 'The active participants in mental health services', *Mental Health in Australia: Collaborative Community Practice*, Oxford University Press, South Melbourne, Vic., pp. 190–226.

Brasher K. 2007, 'Finding her child without breath', in Bergum V. & Van Der Zalm J. (eds), *Motherlife: Studies of Mothering Experience*, Pedagon Publishing, Alberta, Canada, pp. 224–243.

Dowling R., Fossey E., Meadows G., **Minas I.** & Purtell C. 2007, 'Case management', *Mental Health in Australia: Collaborative Community Practice*, Oxford University Press, South Melbourne, Vic., pp. 341–362.

Epstein M., Fossey E., Leggett M., Meadows G. & **Minas I.** 2007, 'Assessment: Essential skills', *Mental Health in Australia: Collaborative Community Practice*, Oxford University Press, South Melbourne, Vic., pp. 77–318.

Fossey E., Grigg M., **Minas I.**, Leggett M., Macdonald E. & Meadows G. 2007, 'Treatment and rehabilitation skills', *Mental Health in Australia: Collaborative Community Practice*, Oxford University Press, South Melbourne, Vic., pp. 363–382.

Herrman H. & Whiteford H. 2007, 'Specialist mental health care', in **Bloch S.** & Singh B. (eds), *Foundations of Clinical Psychiatry*, Melbourne University Publishing, Melbourne, pp. 541–551.

Lamontagne A., Steenland N.K. & Kelsey K.T. 2007, 'Ethylene oxide', in Rom W.N. & Markowitz S.B. (eds), *Environmental and Occupational Medicine*, Lippincott Williams & Wilkins, Philadelphia, US, pp. 1144–1157.

Langton M., **Mazel O.** & Palmer L. 2007, 'Case study XX: Agreements Treaties and Negotiated Settlements database', in Dyson L.E., Hendriks M. & Grant S. (eds), *Information Technology and Indigenous People*, Information Science Publishing, Hershey, US, pp. 66–270.

Minas I. 2007, 'Developing mental health services for multicultural societies', *Textbook of Cultural Psychiatry*, Cambridge University Press, Cambridge, UK, pp. 389–401.

Minas I. & Silove D. 2007, 'Transcultural and refugee psychiatry', *Foundations of Clinical Psychiatry*, Melbourne University Publishing, Melbourne, pp. 511–522.

Paradies Y. 2007, 'Racism', in **Baillie R.**, Chenhall R.D., Dunbar T. & Carson B. (eds), *Social Determinants of Indigenous Health*, Allen & Unwin, Crows Nest, NSW, pp. 65–86.

C – Journal Articles

C1 – Journal Articles Refereed

- Aitken L., **Anderson I.**, Atkinson V., Best J., Briggs P., Calleja J., Charles S., Doyle J., Mohamed J., Patten R., **Rowley K.** & Simmons D. 2007, 'A collaborative cardiovascular health program for Aboriginal and Torres Strait Islander people in the Goulburn-Murray region: Development and risk factor screening at Indigenous community organisations', *Australian Journal of Primary Health*, **13**(1): 9–17.
- Allen K.J., **Gurrin L.**, **Constantine C.**, **Osborne N.**, Delatycki M.B., Nicholl A.J., McLaren C.E., Bahlo M., Nisselle A.E., Vulpe C.D., Anderson G.J., Southey M., **Giles G.**, **English D.**, **Hopper J.**, Olynyk J.K., Powell L.W. & **Gertig D.** 2007, 'Iron-overload-related disease in HFE Hereditary Hemochromatosis', *New England Journal of Medicine*, **358**(3): 221–230.
- Anderson I.** 2007, 'The end of Aboriginal self-determination?', *Futures*, **39**: 137–154.
- Anderson I.** & **Whyte J.** 2007, 'Australian federalism and Aboriginal health', *Australian Aboriginal Studies*, **2**: 5–16.
- Ansari Z., **Dunt D.** & **Dharmage S.** 2007, 'Variations in hospitalizations for chronic obstructive pulmonary disease in rural and urban Victoria, Australia', *Respirology*, **12**(6): 874–880.
- Apicella C.**, **Dowty J.**, **Dite G.**, **Jenkins M.**, Senie R.T., Daly M.B., Andrulis I.L., John E.M., Buys S.S., Li F.P., Glendon G., Chung W., Ozelik H., Miron A., Kotar K., Southey M., Foulkes W.D. & **Hopper J.** 2007, 'Validation study of the LAMBDA model for predicting the *BRCA1* or *BRCA2* mutation carrier status of North American Ashkenazi Jewish women', *Clinical Genetics*, **72**: 87–97.
- Arevshatian L., **Clements C.**, Lwanga S.K., Misore A.O., Ndumbe P., Seward J.F. & Taylor P. 2007, 'An evaluation of infant immunization in Africa: Is a transformation in progress?', *Bulletin of the World Health Organization*, **85**(6): 449–457.
- Baade P.D., Youl P.H., **English D.**, Elwood J.M. & Aitken J.F. 2007, 'Clinical pathways to diagnose melanoma: A population-based study', *Melanoma Research*, **17**: 243–249.
- Baer H.** 2007, 'Why is the Australian Government interested in complementary medicine? A case study of economic rationalism', *Complementary Health Practice Review*, **12**(3): 167–178.
- Baglietto L.**, **English D.**, **Hopper J.**, Morris H.A., Tilley W.D. & **Giles G.** 2007, 'Circulating insulin-like growth factor-I and binding protein-3 and the risk of breast cancer', *Cancer Epidemiology, Biomarkers & Prevention*, **16**(4): 763–768.
- Balise R.R., Chen Y., **Dite G.**, Felberg A., Sun L., Ziogas A. & Whittemore A.S. 2007, 'Imputation of missing ages in pedigree data', *Human Heredity*, **63**(3–4): 168–174.
- Bane A., Beck J., Bleiweiss I., Buys S., Catalano E., Daly M., **Giles G.**, Godwin A., Hibshoosh H., **Hopper J.**, John E., Layfield L., Longacre T., Miron A., Senie R., Southey M., West D., Whittemore A., Wu H., Andrulis I. & O'Malley F. for the Breast Cancer Family Registry 2007, 'BRCA2 mutation-associated breast cancers exhibit a distinguishing phenotype based on morphology and molecular profiles from tissue arrays', *American Journal of Surgical Pathology*, **31**(1): 121–128.
- Bennett C.**, Guo M. & **Dharmage S.** 2007, 'HbA1c as a screening tool for detection of Type 2 diabetes: A systematic review', *Diabetic Medicine*, **4**: 333–343.
- Bennett N.J., Bull A.L., **Dunt D.**, McBryde E., Russo P.L., Spelman D.W. & Richards M.J. 2007, 'Bloodstream infection surveillance in smaller hospitals', *Australian Infection Control*, **12**(2): 45–47.
- Bennett N.J., Bull A.L., **Dunt D.**, **Gurrin L.**, Spelman D.W., Russo P.L. & Richards M.J. 2007, 'MRSA infections in smaller hospitals, Victoria, Australia', *American Journal of Infection Control*, **35**(10): 697–699.
- Bennett N.J., Bull A.L., Richards M., Russo P., Spelman D. & **Dunt D.** 2007, 'Implementation of a pilot surveillance program for smaller acute care hospitals', *American Journal of Infection Control*, **35**: 195–199.
- Bennett N.J., Bull A.L., Richards M.K., Russo P., Spelman D. & **Dunt D.** 2007, 'Quality of data reported to a smaller hospital pilot surveillance program', *Infection Control and Hospital Epidemiology*, **8**: 485–488.
- Bentley R.** & **Kavanagh A.** 2007, 'Looking at contextual effects through Rose-coloured glasses: Interpreting contextual effects in multilevel models of health', *Australasian Epidemiologist*, **14**(1): 4–5.
- Berzsenyi M.D., Bowden S., **Kelly H.**, Watson K.M., Mijch A.M., Hammond R.A., Crowe S.M. & Roberts S.K. 2007, 'Reduction in hepatitis C-related liver disease associated with GB virus C in human immunodeficiency virus coinfection', *Gastroenterology*, **133**: 1821–1830.
- Blood R.W., **Pirkis J.** & Holland K. 2007, 'Media reporting of suicide methods: An Australian Perspective', *Crisis (Kirkland)*, **8**(Suppl 1): 64–69.
- Blunsden B. & Davern M. 2007, 'Measuring Wellness: Linking the physical, economic and social to evaluate community development', *Journal of Community Practice*, **15**(1/2): 217–238.
- Bolton C.M., Myles B.S., **Carlin J.B.** & **Nolan T.** 2007, 'Randomized, double-blind study comparing the efficacy of moderate-dose metoclopramide and ondansetron for the prophylactic control of postoperative vomiting in children after tonsillectomy', *British Journal of Anaesthesia*, **99**(5): 699–703.
- Bond L., Butler H., Thomas L., **Carlin J.**, Glover S., Bowes G. & Patton G. 2007, 'Social and school connectedness in early secondary school as predictors of late teenage substance use, mental health, and academic outcomes', *Journal of Adolescent Health*, **40**(4): 357.e9–357.e18.
- Bradley J.** & **Pybus C.** 2007, 'From slavery to servitude: The Australian exile of Constance and Elizabeth', *Journal of Australian Colonial History*, **9**: 29–50.
- Burgess J.A., Walters E.H., **Byrnes G.**, **Matheson M.**, **Jenkins M.**, Wharton C., Johns D., Abramson M., **Hopper J.** & **Dharmage S.** 2007, 'Childhood allergic rhinitis predicts asthma incidence and persistence to middle age: A longitudinal study', *Journal of Allergy and Clinical Immunology*, **120**: 863–869.
- Burgess J.A., Walters E.H., **Byrnes G.**, **Giles G.**, **Jenkins M.**, Abramson M.J., **Hopper J.** & **Dharmage S.** 2007, 'Childhood adiposity predicts adult-onset current asthma in females: A 25-yr prospective study', *European Respiratory Journal*, **9**(4): 668–675.
- Campbell D.**, **Pyett P.** & McCarthy L. 2007, 'Community development interventions to improve Aboriginal health: Building an evidence base', *Health Sociology Review*, **16**(3–4): 304–314.
- Camp N., Cannon-Albright L., Baffoe-Bonnie A., George A., Powell I., Bailey-Wilson J., Carpten J., **Giles G.**, **Hopper J.**, **Severi G.**, **English D.**, Foulkes W., Maehle L., Moller P., Eeles R., Easton D., Badzioch M., Whittemore A., Oakley-Girvan I., Hsieh C-L., Dimitrov L., Xu J., Stanford J., Johanneson B., Deutsch K., McIntosh L., Ostrander E., Wiley K., Isaacs S., Walsh P., Thibodeau S., McDonnell S., Hebbring S., Schaid D., Lange E., Cooney K., Tammela T., Schleutker J., Paiss T., Maier C., Gronberg H., Wiklund F., Emanuelsson M., Isaacs W. 2007, 'Compelling evidence for a prostate cancer gene at 22q12.3 by the International Consortium for Prostate Cancer Genetics', *Human Molecular Genetics*, **16**(11): 1271–1278.
- Carey J.M., Beilin R.I., Boxshall A., Burgman M.A. & **Flander L.** 2007, 'Risk-based approaches to deal with uncertainty in a data-poor system: Stakeholder involvement in hazard identification for marine national parks and sanctuaries in Victoria, Australia', *Risk Analysis*, **7**(1): 271–281.
- Chen M.**, Karvelas M., Sundararajan V., **Hocking J.** & **Fairley C.** 2007, 'Evidence for the effectiveness of a chlamydia awareness campaign: Increased population rates of chlamydia testing and detection', *International Journal of STD & AIDS*, **18**(4): 239–243.
- Chinn S., Janson C., Svanes C., **Dharmage S.** & Jarvis D. 2007, 'The relation of adult bronchial responsiveness to serious childhood respiratory illness in the ECRHS', *Respiratory Medicine*, **101**: 983–988.
- Chong E.W., Wong T., Kreis A., **Simpson J.** & Guymer R. 2007, 'Dietary antioxidants and primary prevention of age related macular degeneration: Systematic review and meta-analysis', *British Medical Journal*, **335**(7623): 755.
- Clements C.**, Streefland P.H. & Malau C. 2007, 'Supervision in primary health care—Can it be carried out effectively in developing countries?', *Current Drug Safety*, **2**: 19–23.
- Colucci E.** 2007, "Focus groups can be fun": The use of activity-

- oriented questions in focus group discussions', *Qualitative Health Research*, **17**(10): 1422–1433.
- Colucci E.** & Martin G. 2007, 'Ethnocultural aspects of suicide in young people: A systematic literature review Part 1: Rates and methods of youth suicide', *Suicide and Life-Threatening Behavior*, **37**(2): 197–221.
- Colucci E.** & Martin G. 2007, 'Ethnocultural aspects of suicide in young people: A systematic literature review Part 2: Risk factors, precipitating agents, and attitudes toward suicide', *Suicide and Life-Threatening Behavior*, **37**(2): 222–237.
- Cooklin A.R., **Fisher J.** & **Rowe H.** 2007, 'Employee entitlements during pregnancy and maternal psychological well-being', *Australian and New Zealand Journal of Obstetrics and Gynaecology*, **47**: 483–490.
- Cox A., Dunning A.M., Garcia-Closas M., Balasubramanian S., Reed M.W.R., Pooley K.A., Scollen S., Baynes C., Ponder B.A.J., Channock S., Lissowska J., Brinton L., Peplonska B., Southey M., **Hopper J.**, McCredie M.R.E., **Giles G.**, Fletcher O., Johnson N., Dos Santos Silva I., Gibson L., Bojesen S., Nordestgaard B.G., Axelsson C.K., Torres D., Hamann U., Justenhoven C., Brauch H., Chang-Claude J., Kropp S., Risch A., Wang-Gohrke S., Schurmann P., Bogdanova N., Dork T., Fagerholm R., Aaltonen K., Blomqvist C., Nevanlinna H., Seal S., Renwick A., Stratton M.R., Rahman N., Sangrajrang S., Hughes D., Odey F., Brennan P., Spurdle A., Chenevix-Trench G., The Kathleen Cunningham Foundation Consortium for Research into Familial Breast Cancer, Beesley J., Mannermaa A., Hartikainen J., Kataja V., Kosma V.M., Couch F., Olson J.E., Goode E.L., Broeks A., Schmidt M.K., Hogervorst F.B.L., Van't Veer L.J., Kang D., Yoo K.Y., Noh D.Y., Ahn S.H., Wedren S., Hall P., Low Y.L., Liu J., **Milne R.**, Ribas G., Gonzalez-Neira A., Benitez J., Sigurdson A.J., Stredrick D.L., Alexander B.H., Struwing J.P., Pharoah P.D.P., Easton D.F. 2007, 'A common coding variant in *CASP8* is associated with breast cancer risk', *Nature Genetics*, **39**(3): 352–358.
- Creati M., Saleh A.A., Ruff T., Stewart T., Otto B., Sutanto A. & **Clements C.** 2007, 'Implementing the birth dose of hepatitis B vaccine in rural Indonesia', *Vaccine*, **5**(32): 5985–5993.
- Cripps K.** 2007, 'Indigenous family violence: From emergency measures to committed long term action', *Australian Indigenous Law Review*, **11**(2): 6–18.
- Cummins R.A., Stokes M.A. & Davern M. 2007, 'Core affect and subjective wellbeing: A rebuttal to Moum and Land', *Journal of Happiness Studies*, **8**: 457–466.
- Daly J., Willis K., Small R., Green J.B., **Welch N.**, Kealy M. & Hughes E. 2007, 'A hierarchy of evidence for assessing qualitative health research', *Journal of Clinical Epidemiology*, **60**: 43–49.
- Dambacher J.M., Brewer D.T., Dennis D.M., **MacIntyre M.** & Foale S. 2007, 'Qualitative modelling of gold mine impacts on Lihir Island's socioeconomic system and reef-edge fish community', *Environmental Science & Technology*, **41**: 555–562.
- Danchin M., Rogers S., Kelpie L., Selvaraj G., Curtis R., **Carlin J.**, **Nolan T.** & Carapetis J. 2007, 'Burden of acute sore throat and group A streptococcal pharyngitis in school-aged children and their families in Australia', *Pediatrics*, **120**(5): 950–957.
- Davern M.**, Cummins R.A. & Stokes M.A. 2007, 'Subjective wellbeing as an affective-cognitive construct', *Journal of Happiness Studies*, **8**: 429–449.
- Davies G.T. & **Gillam L.** 2007, 'Articulation and transparency of decision-making by Human Research Ethics Committees', *Monash Bioethics Review*, **6**(1–2): 46–56.
- Devine A., Kermode M., Chandra P. & **Herrmann H.** 2007, 'A participatory intervention to improve the mental health of widows of injecting drug users in north-east India as a strategy for HIV prevention', *BMC International Health and Human Rights*, **7**(3): 0.
- Dollard M., **Lamontagne A.**, Caulfield N., Blewett V. & Shaw A. 2007, 'Job Stress in the Australian and International health and Community Services Sector: A Review of the Literature', *International Journal of Stress Management*, **14**(4): 417–455.
- Dowdy J.**, Lose, **Jenkins M.**, Chang J., Chen X., Beesley J., **Dite G.**, Southey M., **Byrnes G.**, Tesoriero A., **Giles G.**, Kconfab Investigators, **Hopper J.** & Spurdle A. 2007, 'The RAD51D E233G variant and breast cancer risk: Population-based and clinic-based family studies of Australian women', *Breast Cancer Research and Treatment*, **10**: 9832–98327.
- Draper B., Pfaff J.J., **Pirkis J.**, Snowdon J., Lautenschlager N.T., Wilson I. & Almeida O.P. 2007, 'Long-terms effects of childhood abuse on the quality of life and health of older people: Results from the Depression and Early Prevention of Suicide in General Practice Project', *Journal of the American Geriatrics Society*, **56**: 262–271.
- Duncan R., **Gillam L.**, Savulescu, Williamson R., Rogers & Delatycki M. 2007, "Holding Your Breath": Interviews with young people who have undergone predictive genetic testing for Huntington Disease', *American Journal of Medical Genetics*, **143A**: 1984–1989.
- Dunt D.**, Wilson R., Day S., **Kelahe M.** & **Gurrin L.** 2007, 'Impact of telephone triage on emergency after hours GP Medicare usage: A time-series analysis', *Australia and New Zealand Health Policy*, **4**(21): 1–10.
- Easton D.F., Pooley K.A., Dunning A.M., Pharoah P.D., Thompson D., Ballinger D.G., Struwing J.P., Morrison J., Field H., Luben R., Wareham N., Ahmed S., Healey C.S., Bowman R., Meyer K.B., Haiman C.A., Kolonel L.K., Henderson B.E., Le Marchand L., Brennan P., Sangrajrang S., Gaborieau V., Odey F., Shen C., Wu P., Wang H., Eccles D., Evans D., Peto J., Fletcher O., Johnson N., Seal S., Stratton M.R., Rahman N., Chenevix-Trench G., Bojesen S.E., Nordestgaard B.G., Axelsson Ck., Garcia-Closas M., Brinton L., Channock S., Lissowska J., Peplonska B., Nevanlinna H., Fagerholm R., Eerola H., Kang D., Yoo K., Noh D., Ahn S., Hunter D., Hankinson S., Cox D., Hall P., Wedren S., Liu J., Low Y., Bogdanova N., Schurmann P., Dork T., Tollenaar R., Jacobi C., Devilee P., Klijn J., Sigurdson A., Doody M., Alexander B., Zhang J., Cox A., Brock I., Macpherson G., Reed M., Couch F., Goode E., Olson J., Meijers-Heijboer H., Van Den Ouweland A., Uitterlinden A., Rivadeneira F., Milne R., Ribas G., Gonzalez-Neira A., Benitez J., **Hopper J.**, McCredie M., Southey M., **Giles G.**, Schroen C., Justenhoven C., Brauch H., Hamann U., Ko Y., Spurdle A., Beesley J., Chen X., Mannermaa A., Kosma V-M., Kataja V., Hartikainen J., Day N., Cox D. & Ponder B. 2007, 'Genome-wide association study identifies novel breast cancer susceptibility loci', *Nature*, **447**(28 June): 1087–1095.
- Ellis J., **Scurrah K.**, Duncan A.E., Lamantia A., **Byrnes G.** & Harrap S. 2007, 'Comprehensive multi-stage linkage analyses identify a locus for adult height on chromosome 3p in a healthy Caucasian population', *Human Genetics*, **121**(2): 213–222.
- Erbas B.**, Chang J., **Dharmage S.**, Ong E., **Hyndman R.**, Newbigin E. & Abramson M. 2007, 'Do levels of airborne grass pollen influence asthma hospital admissions?', *Clinical and Experimental Allergy*, **37**(11): 1641–1647.
- Erbas B.**, Chang J., Newbigin E. & **Dharmage, S.** 2007, 'Modelling atmospheric concentrations of grass pollen using meteorological variables in Melbourne, Australia', *International Journal of Environmental Health Research*, **17**: 361–368.
- Erbas B.**, **Hyndman R.J.** & **Gertig D.** 2007, 'Forecasting age-specific breast cancer mortality using functional data models', *Statistics in Medicine*, **6**: 458–470.
- Erbas B.**, Ristevski S., Poon C., Yeung S. & Ebeling P. 2007, 'Decreased spinal and femoral neck volumetric bone mineral density (BMD) in men with primary osteoporosis and their first-degree male relatives: Familial effect on BMD in men', *Clinical Endocrinology*, **66**: 78–84.
- Ewen S.** & Gough J. 2007, 'Evaluation of Indigenous child health teaching and learning: Improving health outcomes?', *Focus on Health Professional Education*, **9**(1): 23–32.
- Fairley C.**, **Gurrin L.**, Walker J. & **Hocking J.** 2007, "Doctor, how long has my chlamydia been there?" Answer: "...Years", *Sexually Transmitted Diseases*, **34**(9): 727–728.
- Fairley C.**, Hopkins C., Read T. & Cummings R. 2007, 'Characteristics of women who test positive to HIV: Implications for giving results', *Medical Journal of Australia*, **186**(6): 327.
- Fairley C.**, **Williams H.**, **Lee D.M.** & Cummings R. 2007, 'A plea for more research on access to Sexual Health Services', *International Journal of STD & AIDS*, **18**: 75–76.
- Fisher J.**, Tran H. & Tran T. 2007, 'Relative socioeconomic advantage and mood during

advanced pregnancy in women in Vietnam', *International Journal of Mental Health Systems*, **1**(3): 0.

Fitzgerald J. & Threadgold T. 2007, 'Desire and the abject in the city becoming-other', *Cultural Studies Review*, **13**(1): 105–120.

Fuscaldo G.F., Russell S. & **Gillam L.** 2007, 'How to facilitate decisions about surplus embryos: Patients' views', *Human Reproduction*, **2**(12): 3129–3138.

Gallagher T., **Studdert D.** & Levinson W. 2007, 'Current concepts: Disclosing harmful medical errors to patients', *New England Journal of Medicine*, **356**: 2713–2719.

Gibbs L., Kealy M., Willis K., Green J., **Welch N.** & Daly J. 2007, 'What have sampling and data collection got to do with good qualitative research?', *Australian and New Zealand Journal of Public Health*, **31**(6): 540–544.

Ginige S., **Chen M.**, **Hocking J.**, Grulich A.E. & **Fairley C.** 2007, 'Rising HIV notifications in Australia: Accounting for the increase in people living with HIV and implications for the HIV transmission rate', *Sexual Health*, **4**: 31–33.

Ginige S., **Fairley C.**, **Hocking J.**, Bowden F. & **Chen M.** 2007, 'Interventions for increasing chlamydia screening in primary care: A review', *BMC Public Health*, **7**(95): 0.

Giuliano A.R., Lazcano-Ponce E., Villa L., **Nolan T.**, Marchant C., Radley D., Golm G., McCarroll K., Yu J., Esser M.T., Vuocolo S.C. & Barr E. 2007, 'Impact of baseline covariates on the immunogenicity of a quadrivalent (Types 6, 11, 16, and 18) human papillomavirus virus-like-particle vaccine', *Journal of Infectious Diseases*, **196**(8): 1153–1162.

Gmel G., **Room R.**, Kuendig H. & Kuntsche S. 2007, 'Detrimental drinking patterns: Empirical validation of the pattern values score of the Global Burden of Disease 2000 study in 13 countries', *Journal of Substance Use*, **12**(5): 337–358.

Gold J., **Hocking J.** & Hellard M. 2007, 'The feasibility of recruiting young men in rural areas from community football clubs for STI screening', *Australian and New Zealand Journal of Public Health*, **31**(3): 243–246.

Gold L., Shiell A., Hawe P., Riley T., **Rankin B.** & Smithers P. 2007, 'The costs of a community-based intervention to promote maternal health',

Health Education Research, **2**(5): 648–657.

Greenberg C.C., Regenbogen S.E., **Studdert D.**, Lipsitz S.R., Rogers S.O., Zinner M.J. & Gawande A.A. 2007, 'Patterns of communication breakdowns resulting in injury to surgical patients', *Journal of the American College of Surgeons*, **204**: 530–533.

Green J.B., Willis K., Hughes E., Small R., **Welch N.**, Gibbs L. & Daly J. 2007, 'Generating best evidence from qualitative research: The role of data analysis', *Australian and New Zealand Journal of Public Health*, **31**(6): 545–550.

Guthrie J., **Milne R.**, **Hopper J.**, Cawson J., Dennerstein L. & Burger H. 2007, 'Mammographic densities during the menopausal transition: A longitudinal study of Australian-born women', *Menopause: The Journal of the North American Menopause Society*, **14**(2): 208–215.

Harriss L.R., **English D.**, **Hopper J.**, Powles J., **Simpson J.**, O'Dea K., **Giles G.** & Tonkin A.M. 2007, 'Alcohol consumption and cardiovascular mortality accounting for possible misclassification of intake: 11-year follow-up of the Melbourne Collaborative Cohort Study', *Addiction*, **102**(10): 1574–1585.

Harriss L.R., **English D.**, Powles J., **Giles G.G.**, Tonkin A.M., Hodge A., Brazionis L. & O'Dea K. 2007, 'Dietary patterns and cardiovascular mortality in the Melbourne Collaborative Cohort Study', *American Journal of Clinical Nutrition*, **86**(1): 221–9.

Haydon A.M.M., **MacInnis R.**, **English D.** & **Giles G.** 2007, 'Effect of physical activity and body size on survival after diagnosis with colorectal cancer', *Gut*, **55**: 62–67.

Hayes R.D., **Bennett C.**, Dennerstein L., **Gurrin L.** & **Fairley C.** 2007, 'Modeling response rates in surveys of female sexual difficulty and dysfunction', *Journal of Sexual Medicine*, **4**: 286–295.

Hayes R.D., Dennerstein L., **Bennett C.**, Koochaki P.E., Leiblum S.R. & Graziottin A. 2007, 'Relationship between hypoactive sexual desire disorder and aging', *Fertility and Sterility*, **87**(1): 107–112.

Hellard M., Aitken C.K. & **Hocking J.** 2007, 'Tattooing in prisons – not such a pretty picture', *American Journal of Infection Control*, **35**(7): 477–480.

M., Conus P., Schwartz O., Prosser A., Farrelly S., Purcell R., **Herrman H.**, Jackson H. & McGorry P. 2007, 'Early psychosis prevention and intervention centre long-term follow-up study of first-episode psychosis: Methodology and baseline characteristics', *Early Intervention in Psychiatry*, **1**: 49–60.

Hesketh K., Wake M., Graham M. & Waters E. 2007, 'Stability of television viewing and electronic game/computer use in a prospective cohort study of Australian children: Relationship with body mass index', *International Journal of Behavioral Nutrition and Physical Activity*, **4**(60): 1–8.

Hodge A., **English D.**, O'Dea K. & **Giles G.** 2007, 'Dietary patterns and diabetes incidence in the Melbourne Collaborative Cohort Study', *American Journal of Epidemiology*, **165**(6): 603–610.

Hodge A., **English D.**, O'Dea K., Sinclair A.J., Makrides M., Gibson R.A. & **Giles G.** 2007, 'Plasma phospholipid and dietary fatty acids as predictors of type 2 diabetes: Interpreting the role of linoleic acid', *American Journal of Clinical Nutrition*, **86**(1): 189–97.

Hodge A., **Simpson J.**, Gibson R.A., Sinclair A.J., Makrides M., O'Dea K., **English D.** & **Giles G.** 2007, 'Plasma phospholipid fatty acid composition as a biomarker of habitual dietary fat intake in an ethnically diverse cohort', *Nutrition, Metabolism & Cardiovascular Diseases*, **17**(6): 415–26.

Hopper J., Southey M., **Giles G.** & **Jenkins M.** 2007, 'RAD51 135G modifies breast cancer risk among BRCA2 mutation carriers: Results from a combined analysis of 19 studies', *American Journal of Human Genetics*, **81**: 1186–1200.

Hosking C.S., Hill D.J., Thorburn J. & **Dharmage S.** 2007, 'Are nasal symptoms related to infections or allergies? A prospective study of atopy-prone children from birth to 2 years', *Pediatric Asthma, Allergy and Immunology*, **20**(4): 223–228.

Hradilova Selin K. & **Room R.** 2007, 'Social problems from drinking in the Swedish general population: Measurement and reliability', *Journal of Substance Use*, **12**(2): 103–118.

Hutchinson A., Ghimire A.K., Thompson M., **Black J.**, Brand C., Lowe A., Smallwood D.A., Vlahos R., Bozinovski S., Brown G., Anderson G. & Irving L.B.

2007, 'A community-based, time-matched, case-control study of respiratory viruses and exacerbations of COPD', *Respiratory Medicine*, **101**: 2472–2481.

Iskander M., Booy R. & Lambert S. 2007, 'The burden of influenza in children', *Current Opinion in Infectious Diseases*, **20**: 259–263.

Jenkins M., Hayashi S., O'Shea A-M, Burgart L., Smyrk T., Shimizu D., Waring P., Ruzsiewicz R., Pollett A., Redstone M., Barker M., Baron J., Casey G., **Dowty J.**, **Giles G.**, Limburg P., Newcomb P., Young J., Walsh M., Thibodeau S., Lindor N., Le Marchand L., Gallinger S., Haile R., Potter J., **Hopper J.** & Jass J. for the Colon Cancer Family Registry 2007, 'Pathology features in Bethesda guidelines predict colorectal cancer microsatellite instability: A population-based study', *Gastroenterology*, **133**(48): 48–56.

Johnatty S.E., Nagle C.M., Spurdle A.B., Chen X., **Hopper J.**, Webb P.M. & Chenevix-Trench G. 2007, 'The MNSOD Val9A1a polymorphism, dietary antioxidant intake, risk and survival in ovarian cancer (Australia)', *Gynecologic Oncology*, **107**: 388–391.

John E.M., Phipps A.L., Knight J.A., **Milne R.L.**, **Dite G.**, **Hopper J.**, Andrulis I.L., Southey M., **Giles G.**, West D.W. & Whittemore A.S. 2007, 'Medical radiation exposure and breast cancer risk: Findings from the Breast Cancer Family Registry', *International Journal of Cancer*, **121**: 386–394.

Kachalia A., Gandhi T.K., Gawande A.A., Puopolo A.L., Yoon C., Poon E., Thomas E.J., Brennan T.A. & **Studdert D.** 2007, 'Missed and delayed diagnoses in the emergency department: A study of closed malpractice claims from four liability insurers', *Annals of Emergency Medicine*, **49**: 196–205.

Keegel T., Erbas E., Cahill J., Noonan A., **Dharmage S.** & Nixon R. 2007, 'Occupational contact dermatitis in Australia: Diagnostic and management practices, and severity of worker impairment', *Contact Dermatitis*, **56**: 318–324.

Keegel T., Saunders H., **Lamontagne A.** & Nixon R. 2007, 'Are material Safety Data sheets (MSDS) useful in the diagnosis and management of occupational contact dermatitis', *Contact Dermatitis*, **57**: 331–336.

- Kelaher M., Dunt D., Berman N., Joubert L., Curry S., Jones R., Stanley J. & Johnson V.** 2007, 'Methodological approaches to evaluating the impact of Community Arts on Health', *UNESCO Observatory*, **1**(1): 1–18.
- Kelaher M., Dunt D. & Dodson S.** 2007, 'Unemployment, contraceptive behaviour and reproductive outcomes among young Australian women', *Health Policy*, **82**(1): 95–101.
- Kelly H., Gidding H.F., Karapanagiotidis T., Leydon J.A. & Riddell M.** 2007, 'Residual susceptibility to measles among young adults in Victoria, Australia following a national targeted measles-mumps-rubella vaccination campaign', *BMC Public Health*, **7**: 1–6.
- Kermode M., Herrman H., Arole R., White J., Premkumar R. & Patel V.** 2007, 'Empowerment of women and mental health promotion: A qualitative study in rural Maharashtra, India', *BMC Public Health*, **7**: 225.
- Kesselheim A.S. & Studdert D.** 2007, 'Role of professional organizations in regulating physician expert witness testimony', *JAMA—Journal of the American Medical Association*, **98**(24): 2907–2909.
- Keys D.** 2007, 'Complex lives: Young motherhood, homelessness and partner relationships', *Journal of the Association for Research on Mothering*, **9**(1): 101–110.
- Kirkman M., Rosenthal D. & Johnson L.** 2007, 'Families working it out: Adolescents' views on communicating about donor-assisted conception', *Human Reproduction*, **2**(8): 2318–2324.
- Klimidis S., Hsiao F.H. & Minas I.** 2007, 'Chinese–Australians' knowledge of depression and schizophrenia in the context of their under-utilization of mental health care: An analysis of labelling', *International Journal of Social Psychiatry*, **53**(5): 464–479.
- Kohn F., Pirkis J., Morley B., Naccarella L. & Blashki G.** 2007, 'Utilisation of findings from the evaluation of a major primary mental health care initiative in Australia', *Evaluation Journal of Australasia*, **7**(2): 12–24.
- Kruger W., Thompson C., McKenzie RA & Naccarella L.** 2007, 'Well for life: A way of life', *Annals of The New York Academy of Sciences*, **1144**(Healthy Aging and Longevity: Third International Conference): 337–342.
- Kulasingham S., Connelly L., Conway E., Hocking J., Myers E., Regan D., Roder D., Ross J. & Wain G.** 2007, 'A cost-effectiveness analysis of adding a human papillomavirus vaccine to the Australian National Cervical Cancer Screening Program', *Sexual Health*, **41**(3): 165–175.
- Lambert S., Allen K., Druce J.D., Birch C.J., Mackay I.M., Carlin J., Carapetis J., Sloots T.P., Nissen M.D. & Nolan T.** 2007, 'Community epidemiology of human metapneumovirus, human coronavirus NL63, and other respiratory viruses in healthy preschool-aged children using parent-collected specimens', *Pediatrics*, **120**: e929–937.
- Lamontagne A., Keegel T., Louie A., Ostry A. & Landsbergis PA.** 2007, 'A systematic review of the job-stress intervention evaluation literature, 1990–2005', *International Journal of Occupational and Environmental Health*, **13**(3): 268–280.
- Lamontagne A., Keegel T. & Vallance D.** 2007, 'Protecting and promoting mental health in the workplace: Developing a systems approach to job stress', *Health Promotion Journal of Australia*, **18**(3): 221–228.
- Lancet Global Mental Health Group: Alem A., Araya R., Bornemann T., Chatterjee S., Patel V., Chisholm D., Saraceno B., Saxena S., van Ommeren M., Cohen A., De Silva M.J., Plagerson S., Kirkwood B., Patel V., Flisher A.J., Gureje O., Haines A., Hauff E., Herrman H., Jacob K.S., de Jong J.T.V.M., Lund C., Maj M., de Jesus Mari J., Maselko J., Medina-Mora E., Minas H., Mirza I., Saeed K., Rahman A., Phillips M.R., Prince M., Thornicroft G., Rahman A., Rojas G., Sartorius N., Seedat S., Sturgeon S., Thara R., Tomlinson M. & Whiteford H.** 2007, 'Scale up services for mental disorders: A call for action', *The Lancet*, **370**: 1241–1252.
- Li L., Morrow M. & Kermode M.** 2007, 'Vulnerable but feeling safe: HIV risk among male rural-to-urban migrant workers in Chengdu, China', *AIDS Care*, **19**(10): 1288–1295.
- Lim M., Hellard M., Aitken C. & Hocking J.** 2007, 'Sexual-risk behaviour, self-perceived risk and knowledge of sexually transmissible infections among young Australians attending a music festival', *Sexual Health*, **41**(1): 51–56.
- Lindor N.M., Lindor R.A., Apicella C., Dowty J., Ashley A., Hunt K., Mincey B.A., Wilson M., Smith M.C. & Hopper J.** 2007, 'Predicting BRCA1 and BRCA2 gene mutation carriers: Comparison of LAMBDA, BRCAPRO, Myriad II, and modified Couch models', *Familial Cancer*, **6**: 473–482.
- Ling A.E., Bash M.C., Lynn F., Lister N.A., Zhu P., Garland S., Fairley C. & Tabrizi S.** 2007, 'Evaluation of *PorB* variable region typing of *Neisseria gonorrhoeae* using PCR-ELISA in samples collected from men who have sex with men', *Journal of Clinical Laboratory Analysis*, **1**: 237–243.
- Livingston M., Chikritzh S. T. & Room R.** 2007, 'Changing the density of alcohol outlets to reduce alcohol-related problems', *Drug and Alcohol Review*, **6**(September): 557–566.
- Lowe A.J., Abramson M.J., Hosking C.S., Carlin J., Bennett C., Dharmage S. & Hill D.J.** 2007, 'A temporal sequence of allergic sensitization and onset of infantile eczema', *Clinical and Experimental Allergy*, **37**: 536–542.
- Lowe A.J., Hosking C.S., Bennett C., Carlin J., Abramson M., Hill D. & Dharmage S.** 2007, 'Skin prick test can identify eczematous infants at risk of asthma and allergic rhinitis', *Clinical and Experimental Allergy*, **37**: 1624–1631.
- MacIntyre M.** 2007, 'Informed consent and mining projects: A view from Papua New Guinea', *Pacific Affairs: An International Review of Asia and the Pacific*, **80**(1): 49–65.
- MacIntyre M. & Foale S.** 2007, 'Land and marine tenure, ownership and new forms of entitlement on Lihir: Changing notions of property in the context of a gold mining project', *Human Organization*, **66**(1): 49–59.
- Madlensky L., Daftary D., Burnett T., Harmon P., Jenkins M., Maskiell J., Nigon S., Phillips K., Templeton A., Limburg P.J., Haile R.W., Potter J.D., Gallinger S. & Baron J.A.** 2007, 'Accuracy of colorectal polyp self-reports: Findings from the Colon Cancer Family Registry', *Cancer Epidemiology, Biomarkers & Prevention*, **16**(9): 1898–1901.
- Marrone J., Fairley C., Chen M. & Hocking J.** 2007, 'Comparisons of trends in antiretroviral use and HIV notification rates between three Australian States', *Australian and New Zealand Journal of Public Health*, **31**(2): 131–134.
- Matheson M., Erbas B., Balasuriya A., Jenkins M., Wharton C., Tang L-K., Abramson J., Walters E.H., Hopper J. & Dharmage S.** 2007, 'Breast-feeding and atopic disease: A cohort study from childhood to middle age', *Journal of Allergy and Clinical Immunology*, **120**: 1051–1057.
- Matheson M., Raven J., Johns D., Abramson M. & Walters E.** 2007, 'Associations between reduced diffusing capacity and airflow obstruction in community-based subjects', *Respiratory Medicine*, **101**: 1730–1737.
- Mathews J., Mccaw C., McVernon J., McBryde E. & McCaw J.** 2007, 'A Biological Model for Influenza Transmission: Pandemic Planning Implications of Asymptomatic Infection and Immunity', *PLoS One*, **November 2007**(11): e1220.
- McCaw J. & McVernon J.** 2007, 'Prophylaxis or treatment? Optimal use of an antiviral stockpile during an influenza pandemic', *Mathematical Biosciences*, **09**: 336–360.
- McCoy B.F.** 2007, '"If we come together our health will be happy": Aboriginal men seeking ways to better health', *Australian Aboriginal Studies*, **2**: 75–85.
- Mcdougall R.J.** 2007, 'Parental virtue: A new way of thinking about the morality of reproductive actions', *Bioethics*, **1**(4): 181–190.
- McKay-Brown L., Borland R., Balmford J., Segan C., Andrews C., Tasker C. & Piterman L.** 2007, 'The challenges of recruiting and retaining GPs in research', *Australian Journal of Primary Health*, **13**(1): 61–67.
- McKenzie R.A., Naccarella L., Stewart A. & Thompson C.** 2007, 'Targeting what matters in health promotion evaluation: Using the re-aim approach to identify success in real world settings', *Evaluation Journal of Australasia*, **7**(1): 19–26.
- Mckenzie R., Naccarella L. & Thompson C.** 2007, 'Well for Life: Evaluation and policy implications of a health promotion initiative for frail older people in aged care settings', *Australasian Journal on Ageing*, **26**(3): 135–140.
- Mead L., Jenkins M., Young J., Royce S., Smith L., St John D., Macrae F., Giles G., Hopper J., Southey M.** 2007, 'Microsatellite instability markers for identifying early-onset colorectal cancers caused by germ-line mutations

- in DNA mismatch repair genes', *Clinical Cancer Research*, **13**(10): 2865–2869.
- Mello M., **Studdert D.**, Schumi J., Brennan T.A. & Sage W.M. 2007, 'Changes in physician supply and scope of practice during a malpractice crisis: Evidence from Pennsylvania', *Health Affairs*, **6**(3): w425–w435.
- Mello M., **Studdert D.**, Thomas E.J., Yoon C. & Brennan T.A. 2007, 'Who pays for medical errors? An analysis of adverse event costs, the medical liability system, and incentives for patient safety improvement', *Journal of Empirical Legal Studies*, **4**: 835–860.
- Menahem S. & **Gillam L.** 2007, 'Fetal diagnosis – obligations of the clinician: Case studies in the prenatal diagnosis of major heart abnormality', *Fetal Diagnosis and Therapy*, **2**(3): 233–237.
- Mihalopoulos C.**, Sanders M.R., Turner K.M.T., Murphy-Brennan M. & **Carter R.** 2007, 'Does the Triple P-Positive Parenting Program provide value for money?', *Australian and New Zealand Journal of Psychiatry*, **41**: 239–246.
- Milburn N.G., **Rosenthal D.**, Rotheram-Borus M.J., **Mallett S.**, Batterham P., Rice E. & Solorio R. 2007, 'Newly homeless youth typically return', *Journal of Adolescent Health*, **40**(6): 574–576.
- Milburn N.G., Stein J.A., Rice E., Rotheram-Borus M.J., **Mallett S.**, **Rosenthal D.** & Lightfoot M. 2007, 'AIDS risk behaviours among American and Australian homeless young people', *Journal of Social Issues*, **63**(3): 543–566.
- Milne E., **Simpson J.**, Johnston R., Giles-Corti B. & **English D.** 2007, 'Time spent outdoors at midday and children's body mass index', *American Journal of Public Health*, **97**(2): 306–310.
- Minas I.**, **Klimidis S.** & Kokanovic R. 2007, 'Depression in multicultural Australia: Policies, research and services', *Australia and New Zealand Health Policy*, **4**(16): 11.
- Minas I.**, **Klimidis S.** & Tuncer C. 2007, 'Illness causal beliefs in Turkish immigrants', *BMC Psychiatry*, **7**(34): 1–10.
- Morley B.**, **Pirkis J.**, **Naccarella L.**, **Kohn F.**, **Blashki G.** & Burgess P. 2007, 'Improving access to and outcomes from mental health care in rural Australia', *Australian Journal of Rural Health*, **15**: 304–312.
- Morley B.**, **Pirkis J.**, Sanderson K., Burgess P., **Kohn F.**, **Naccarella L.** & **Blashki G.** 2007, 'Better outcomes in mental health care: Impact of different models of psychological service provision on patient outcomes', *Australian and New Zealand Journal of Psychiatry*, **41**: 142–149.
- Morrow M.**, Arunkumar M.C., Pearce E. & **Dawson H.** 2007, 'Fostering Disability-Inclusive HIV/AIDS Programs in Northeast India: A participatory study', *BMC Public Health*, **7**(125).
- Munasinghe T., Hayes R.D., **Hocking J.**, Verry J. & **Fairley C.** 2007, 'Prevalence of sexual difficulties among female sex workers and clients attending a sexual health service', *International Journal of STD & AIDS*, **18**(9): 613–616.
- Murray C.S.** 2007, 'The "colouring of the psychosis": Interpreting insanity in the primitive mind', *Health and History*, **9**(2): 7–21.
- Naccarella L.**, **Pirkis J.**, **Kohn F.**, **Morley B.**, Burgess P. & **Blashki G.** 2007, 'Building evaluation capacity: Definitional and practical implications from an Australian case study', *Evaluation and Program Planning*, **30**: 231–236.
- Najman J.M., Williams G. & **Room R.** 2007, 'Increasing socioeconomic inequalities in male cirrhosis of the liver mortality: Australia 1981 – 2002', *Drug and Alcohol Review*, **6**(May): 273–278.
- Newcomb P., Baron J., Cotterchio M., Gallinger S., Grove J., Haile R., Hall D., **Hopper J.**, Jass J., Le Marchand L., Lindor P., Limburg N., Potter J., Templeton A., Thibodeau S. & Seminara D. 2007, 'Colon Cancer Family Registry: An international resource for studies of the genetic epidemiology of colon cancer', *Cancer Epidemiology, Biomarkers & Prevention*, **16**(11): 2331–2343.
- Newton D., **Fairley C.**, Teague R., Donovan B., Bowden F.J., Bilardi J., Pitts M. & **Chen M.** 2007, 'Australian sexual health practitioners' use of chaperones for genital examinations: A survey of attitudes and practice', *Sexual Health*, **4**(2): 95–97.
- Nickson C.** & **Kavanagh A.** 2007, 'The feasibility of routinely collecting detailed information about menopausal history and menopause therapy use from women participating in Australian State and Territory BreastScreen programs', *Australasian Epidemiologist*, **14**(2): 18–21.
- Nkosana J.M. & **Rosenthal D.** 2007, 'Saying no to intergenerational sex: The experience of schoolgirls in Botswana', *Vulnerable Children and Youth Studies*, **2**(1): 1–11.
- Nkosana J.M. & **Rosenthal D.** 2007, 'The dynamics of intergenerational sexual relationships: The experience of schoolgirls in Botswana', *Sexual Health*, **4**(3): 181–187.
- Nolan T.**, Lambert S., Robertson D.M., Marshall H., Richmond P. & Streeton C. 2007, 'DTPa-HBV-IPV vaccine for primary vaccination of infants', *Journal of Paediatrics and Child Health*, **43**: 587–592.
- Nolan T.**, Lambert S., Robertson D.M., Marshall H., Richmond P., Streeton C., Poolman J. & Boutriau D. 2007, 'A novel combined *Haemophilus influenzae* type b-*Neisseria meningitidis* serogroups C and Y-tetanus-toxoid conjugate vaccine is immunogenic and induces immune memory when co-administered with DTPa-HBV-IPV and conjugate pneumococcal vaccines in infants', *Vaccine*, **5**: 8487–8499.
- O'Donovan G., Mceneny J., Kearney E.M., Owen A., Nevill A.M., Woolf-May K. & **Bird S.** 2007, 'LDL particle size in habitual exercisers, lean sedentary men and abdominally obese sedentary men', *International Journal of Sports Medicine*, **8**(8): 644–649.
- O'Dwyer L., Baum F., **Kavanagh A.** & Macdougall C. 2007, 'Do area-based interventions to reduce health inequalities work? A systematic review of evidence', *Critical Public Health*, **17**(4): 317–335.
- O'Grady K.F., Kelpie L., Andrews R.M., Curtis R., **Nolan T.**, Selvaraj G., Passmore J.W., Oppedisano F., **Carnie J.A.** & Carapetis J.R. 2007, 'The epidemiology of invasive group A streptococcal disease in Victoria, Australia', *Medical Journal of Australia*, **186**(11): 565–569.
- Olsson C.A., **Byrnes G.**, Anney R.J.L., Collins V., Hemphill S.A., Williamson R. & Patton G.C. 2007, 'COMT Val158Met and 5HTTLPR functional loci interact to predict persistence of anxiety across adolescence: Results from the Victorian Adolescent Health Cohort Study', *Genes, Brain and Behavior*, **6**: 647–652.
- Paradies Y.C.**, Montoya M.J. & Fullerton S.M. 2007, 'Racialized genetics and the study of complex disease: The thrifty genotype revisited', *Perspectives in Biology and Medicine*, **50**(2): 203–227.
- Peacock S., Richardson J., **Carter R.** & Edwards D. 2007, 'Priority setting in health care using multi-attribute utility theory and programme budgeting and marginal analysis (PBMA)', *Social Science & Medicine*, **64**: 897–910.
- Petherick E.S., Villanueva E.V., Dumville, Bryan E.J. & **Dharmage S.** 2007, 'An evaluation of methods used in health technology assessments produced for the Medical Services Advisory Committee', *Medical Journal of Australia*, **187**(5): 289–292.
- Pirkis J.**, Burgess P., Blood W.R. & Francis C. 2007, 'The newsworthiness of suicide', *Suicide and Life-Threatening Behavior*, **37**(3): 278–282.
- Pirkis J.**, Harris M., Buckingham W., Whiteford H. & Townsend-White C. 2007, 'International planning directions for provision of mental health services', *Administration and Policy in Mental Health and Mental Health Services Research*, **34**: 377–387.
- Pitts M.K., Dyson S.J., **Rosenthal D.** & Garland S. 2007, 'Knowledge and awareness of human papillomavirus (HPV): Attitudes towards HPV vaccination among a representative sample of women in Victoria, Australia', *Sexual Health*, **4**: 177–180.
- Poynter J.N., Figueiredo J.C., Conti D.V., Kennedy K., Gallinger S., Siegmund K.D., Casey G., Thibodeau S.N., **Jenkins M.**, **Hopper J.**, **Byrnes G.**, Baron J.A., Goode E.L., Tiirikainen M., Lindor N., Grove J., Newcomb P., Jass J., Young J., Potter J.D., Haile R.W., Duggan D.J. & Le Marchand L. 2007, 'Variants on 9p24 and 8q24 are associated with risk of colorectal cancer: Results from the Colon Cancer Family Registry', *Cancer Research*, **67**(23): 11128–11132.
- Racunica T.L., Szramka M., Wluka A.E., Wang Y., **English D.**, **Giles G.**, O'Sullivan R. & Cicuttini FM. 2007, 'A positive association of smoking and articular knee joint cartilage in health people', *Osteoarthritis and Cartilage*, **15**: 587–590.
- Radi S., Ostry A. & **Lamontagne A.** 2007, 'Job Stress and other Working Conditions: Relationships with Smoking Behaviors in a Representative Sample of Working Australians', *American Journal of Industrial Medicine*, **50**: 584–596.
- Read T., **Hocking J.**, Sinnott V. & Hellard M. 2007, 'Risk factors for incident HIV infection in men having sex with men: A case-

- control study', *Sexual Health*, **4**(1): 35–39.
- Regan D., Philip D., **Hocking J.** & Law M. 2007, 'Modelling the population-level impact of vaccination on the transmission of human papillomavirus type 16 in Australia', *Sexual Health*, **4**(3): 147–163.
- Regenbogen S.E., Greenberg C.C., **Studdert D.**, Lipsitz S.R., Zinner M.J. & Gawande A.A. 2007, 'Patterns of technical error among surgical malpractice claims: An analysis of strategies to prevent injury to surgical patients', *Annals of Surgery*, **46**: 705–711.
- Reilly R.**, Doyle J. & **Rowley K.** 2007, 'Koori community-directed health promotion in the Goulburn Valley', *Australian Community Psychologist*, **19**(1): 39–46.
- Riddell A., Buttery J., **McVernon J.**, Chantler T., Lane L., Bowen-Morris J., Diggle L., Morris R., Lockhart S., Pollard A.J., Cartwright K. & Moxon E.R. 2007, 'A randomized study comparing the safety and immunogenicity of a conjugate vaccine combination containing meningococcal group C and pneumococcal capsular polysaccharide-CRM197 with a meningococcal group C conjugate vaccine in healthy infants: Challenge phase', *Vaccine*, **5**: 3906–3912.
- Ritter A., Bammer G., **Hamilton M.**, Mazerolle L., Dietze P., Moore T., Perez P., Midgley G., Gregory W., Caulkins J. & Reuter P. 2007, 'Effective drug policy: A new approach demonstrated in the Drug Policy Modelling Program', *Drug and Alcohol Review*, **6**: 265–271.
- Room R.** 2007, 'National variations in the use of alcohol and drug research: Notes of an itinerant worker', *Nordic Studies on Alcohol and Drugs (Nordisk alkohol- narkotikatidskrift)*, **4**: 634–640.
- Rosenthal D.**, Dyson S., Pitts M. & Garland S. 2007, 'Challenges to accepting a Human Papilloma Virus (HPV) vaccine: A qualitative study of Australian women', *Women and Health*, **45**(2): 59–73.
- Rosenthal D.**, Mallett S., Gurrin L., Milburn N. & Rotheram-Borus M.J. 2007, 'Changes over time among homeless young people in drug dependency, mental illness and their co-morbidity', *Psychology, Health & Medicine*, **12**(1): 70–80.
- Rosenthal D.**, Russell V. & Thomson G. 2007, 'Social connectedness among international students at an Australian university', *Social Indicators Research*, **84**(1): 71–82.
- Saunders I.W., Hannan G.N., Brohede J., **Giles G.**, **Jenkins M.**, **Hopper J.** & Southey M. 2007, 'A range of simple summary genome-wide statistics for detecting genetic linkage using high density marker data', *Genetic Epidemiology*, **31**: 565–576.
- Schache M., **Richardson A.**, Pertile K., Dirani M., **Scurrah K.** & Baird P.N. 2007, 'Genetic mapping of myopia susceptibility loci', *Investigative Ophthalmology and Visual Science*, **48**(11): 4924–4929.
- Severi G.**, Hayes V.M., Padilla E.J., **English D.**, Southey M., Sutherland R.L., **Hopper J.** & **Giles G.** 2007, 'The common variant rs1447295 on chromosome 8q24 and prostate cancer risk: Results from an Australian population-based case-control study', *Cancer Epidemiology, Biomarkers & Prevention*, **16**(3): 610–612.
- Severi G.**, Hayes V.M., Tesoriero A., Southey M., Hoang H., Padilla E.J.D., Morris H.A., **English D.**, Sutherland R.L., Boyle P., **Hopper J.** & **Giles G.** 2007, 'The rs743572 common variant in the promoter of CYP17A1 is not associated with prostate cancer risk or circulating hormonal levels', *British Journal of Urology*, **101**: 492–496.
- Shemesh T., **Rowley K.**, Jenkins A., Brimblecombe J., Best J. & O'Dea K. 2007, 'Differential association of C-reactive protein with adiposity in men and women in an Aboriginal community in northeast Arnhem Land of Australia', *International Journal of Obesity*, **31**(1): 103–108.
- Sidat M.M., **Fairley C.** & Grierson J. 2007, 'Experiences and Perceptions of Patients with 100% Adherence to Highly Active Antiretroviral Therapy: A qualitative study', *AIDS Patient Care and STDs*, **1**(7): 509–20.
- Simpson J.**, **English D.**, **MacInnis R.**, **Gertig D.**, **Hopper J.** & **Giles G.** 2007, 'Comparison of different methods for including 'age at menopause' in analyses of the association between hormone replacement therapy use and breast cancer', *Journal of Family Planning and Reproductive Health Care*, **33**: 11–16.
- Simpson J.**, **MacInnis R.**, Peeters A., **Hopper J.**, **Giles G.** & **English D.** 2007, 'A comparison of adiposity measures as predictors of all-cause mortality: The Melbourne Collaborative Cohort Study', *Obesity*, **15**(4): 994–1003.
- Singh H., Thomas E.J., Petersen L.A. & **Studdert D.** 2007, 'Medical errors involving trainees: A study of closed malpractice claims from five insurers', *Archives of Internal Medicine*, **167**: 2030–2036.
- Skinner S., Parsons, Kang, **Williams H.** & **Fairley C.** 2007, 'Sexually transmitted infections. Initiatives for prevention', *International Journal of Adolescent Medicine and Health*, **19**(3): 285–294.
- Skull S.A., Andrews R., **Byrnes G.**, **Kelly H.**, **Nolan T.**, Brown G. & **Campbell D.** 2007, 'Missed opportunities to vaccinate a cohort of hospitalised elderly with pneumococcal and influenza vaccines', *Vaccine*, **5**: 5146–5154.
- Skull S., Andrews M., **Byrnes G.**, **Kelly H.**, **Nolan T.**, Brown G. & **Campbell D.** 2007, 'Prevention of community-acquired pneumonia among a cohort of hospitalised elderly: Benefit due to influenza and pneumococcal vaccination not demonstrated', *Vaccine*, **5**: 4631–4640.
- Skull S., Andrews M., **Byrnes G.**, **Kelly H.**, **Nolan T.**, Brown G. & **Campbell D.** 2007, 'Validity of self-reported influenza and pneumococcal vaccination status among a cohort of hospitalised elderly inpatients', *Vaccine*, **5**(25): 4775–4783.
- Southern J., **McVernon J.**, Gelb D., Andrews N., Morris R., Crowley-Luke A., Goldblatt D. & Miller E. 2007, 'Immunogenicity of a fourth dose of *haemophilus influenzae* type b(Hib) conjugate vaccine and antibody persistence in young children from the United Kingdom who were primed with a cellular or whole-cell pertussis component-containing Hib combinations in infancy', *Clinical and Vaccine Immunology*, **14**(10): 1328–1333.
- Spurdle B., Chang J., **Byrnes G.**, Chen X., **Dite G.**, McCreddie M.R.E., **Giles G.**, Southey M., Chenevix-Trench G.C.T. & **Hopper J.** 2007, 'A systematic approach to analysing gene-gene interactions: Polymorphisms at the microsomal Epoxide Hydrolase *EPHX* and Glutathione S-transferase *GSTM1*, *GSTT1*, and *GSTP1* loci and breast cancer risk', *Cancer Epidemiology, Biomarkers & Prevention*, **16**(4): 769–774.
- Stone J.**, **Gurrin L.**, **Byrnes G.**, Schroen C., **Treloar S.A.**, Padilla E.J.D., **Dite G.**, Southey M., Hayes V.M. & **Hopper J.** 2007, 'Mammographic density and candidate gene variants: A twins and sisters study', *Cancer Epidemiology, Biomarkers & Prevention*, **16**(7): 1479–1484.
- Street J., Baum F. & **Anderson I.** 2007, 'Developing a collaborative research system for Aboriginal health', *Australian and New Zealand Journal of Public Health*, **31**(4): 372–378.
- Stuckey R., **Lamontagne A.** & Sim M. 2007, 'Working in light vehicles: A review and conceptual model for occupational health and safety', *Accident Analysis & Prevention*, **39**(5): 1006–1014.
- Stutchbury T.K., Al-Ejeh F., Stillfried G.E., Croucher D.R., Andrews J., **Irving D.**, Links M. & Ranson M. 2007, 'Preclinical evaluation of 213Bi-labeled plasminogen activator inhibitor type 2 in an orthotopic murine xenogenic model of human breast carcinoma', *Molecular Cancer Therapeutics*, **6**(1): 203–212.
- Tabrizi S., Ling A.E., Bradshaw S., **Fairley C.** & Garland S. 2007, 'Human adenoviruses types associated with non-gonococcal urethritis', *Sexual Health*, **4**: 41–44.
- Teague R., Newton D., **Fairley C.**, **Hocking J.**, Pitts M., Bradshaw C. & **Chen M.** 2007, 'The differing views of male and female patients toward chaperones for genital examinations in a sexual health setting', *Sexually Transmitted Diseases*, **34**(12): 1004–1007.
- Team V., **Markovic M.** & **Manderson L.** 2007, 'Family caregivers: Russian-speaking Australian women's access to welfare', *Health and Social Care in the Community*, **15**(5): 397–406.
- Tee Y.Y., **Lowe A.J.**, Brand C. & Judson R. 2007, 'Fine-needle aspiration may miss a third of all malignancy in palpable thyroid nodules', *Annals of Surgery*, **46**(5): 714–720.
- Tideman R.L., **Chen M.**, Pitts M.K., Ginige S., Slaney M. & **Fairley C.** 2007, 'A randomised controlled trial comparing computer-assisted with face-to-face sexual history taking in a clinical setting', *Sexually Transmitted Infections*, **83**: 52–56.
- Tomnay J., Pitts K. & **Fairley C.** 2007, 'General Practitioners' Use of Internet-Based Patient Materials for Partner Notification', *Sexually*

Transmitted Diseases, **34**(8): 613–616.

Turrell G., **Kavanagh A.**, Draper G. & Subramanian S.V. 2007, 'Do places affect the probability of death in Australia? A multilevel study of area-level disadvantage, individual-level socioeconomic position and all-cause mortality, 1998–2000', *Journal of Epidemiology & Community Health*, **61**: 13–19.

Wade A., **Hocking J.** & Hellard M. 2007, 'Chlamydia trachomatis prevalence in heterosexual men in Melbourne: A community-based study', *Sexual Health*, **4**(2): 137–138.

Wake M., Hardy, Canterford L., Sawyer M. & **Carlin J.** 2007, 'Overweight, obesity and girth of Australian preschoolers: Prevalence and socio-economic correlates', *International Journal of Obesity*, **31**: 1044–1051.

Wall C.J., Richardson M., **Lowe A.J.**, Brand C.B., Lynch J. & De Steiger R. 2007, 'Survey of management of acute, traumatic compartment syndrome of the leg in Australia', *ANZ Journal of Surgery*, **77**(9): 733–737.

Wang Y., Hodge A.M., Wluka A.E., **English D.**, **Giles G.**, O'Sullivan R., Forbes A. & Cicuttini F.M. 2007, 'Effect of antioxidants on knee cartilage and bone in healthy, middle-aged subjects: A cross-sectional study', *Arthritis Research*, **9**: R66.

Wang Y.H.J., Andrews R., **Kelly H.** & Lambert S. 2007, 'Evaluating measles surveillance using laboratory-discarded notifications of measles-like illness during elimination', *Epidemiology and Infection*, **135**: 1363–1368.

Wang Y., Wluka A., **English D.**, Teichtahl A.J., **Giles G.**, O'Sullivan R. & Cicuttini F.M. 2007, 'Body composition and knee cartilage properties in healthy, community-based adults', *Annals of the Rheumatic Diseases*, **66**: 1244–1248.

Warr D., **Tacticos T.**, **Kelaher M.** & **Klein H.** 2007, 'Money, stress, jobs': Residents' perceptions of health-impairing factors in 'poor' neighbourhoods', *Health and Place*, **13**: 743–756.

White J., **Patel V.** & **Herrman H.** 2007, 'Australian and New Zealand contribution to international mental health research publications: A survey of high-impact journals', *World Psychiatry*, **6**: 49–53.

White V.M., **English D.**, Coates H., Lagerlund M., Borland R. & **Giles G.** 2007, 'Is cancer risk

associated with anger control and negative affect? Findings from a prospective cohort study', *Psychosomatic Medicine*, **69**: 667–674.

Whittemore S., John M., Felberg A., McGuire V., West W., Miron A., Thomas C., Haile R., Daly M., Godwin A., Ross E., Beck J., Terry B., Buys S., Venne, **Hopper J.**, **Giles G.**, McCredie R.E., Milne L., Southey M., **Jenkins M.**, **Apicella C.**, kConFab, Andrulis I., Boyd F. & Knight J. 2007, 'Smoking and risk of breast cancer in carriers of mutations in *BRCA1* or *BRCA2* aged less than 50 years', *Hopfer Cancer Research and Treatment*, **10**: 9621–9629.

Williamson M., **Pirkis J.**, Pfaff J.J., Tyson O., Sim M., Kerse N., Lautenschlager N.T., Stocks N.P. & Almeida O.P. 2007, 'Recruiting and retaining GPs and patients in intervention studies: The DEPS-GP project as a case study', *BMC Medical Research Methodology*, **7**(42).

Wirkas T., Toikilik S., Miller N., **Morgan C.** & **Clements C.** 2007, 'A vaccine cold chain freezing study in PNG highlights technology needs for hot climate countries', *Vaccine*, **5**: 691–697.

Wiseman J., McLeod J. & Zubrick S.R. 2007, 'Promoting mental health and well-being: Integrating individual, organisational and community-level indicators', *Health Promotion Journal of Australia*, **18**(3): 198–207.

Wong E., Tesoriero A., Pupo G., kConFab, ABCFS, McCredie M., **Giles G.**, **Hopper J.**, Mann G., Goldgar D. & Southey M. 2007, 'Is MSH2 a breast cancer susceptibility gene?', *Familial Cancer*, **10**: 9162–9168.

Young J., **Jenkins M.**, Parry S., Young B., Nancarrow D., **English D.**, **Giles G.** & Jass J. 2007, 'Serrated pathway colorectal cancer in the population: Genetic consideration', *Gut*, **56**: 1453–1459.

C2 – Journal Articles Unrefereed

Bennett C., Jenkins A., Guo M. & **Dharmage S.** 2007, 'Could global standardization of A1C help it become the preferred diabetes screening method?', *Review of Endocrinology*, **June**: 59–61.

Brothers A. 2007, 'A wire from Sir Lance', *Chiron*, **Spring**: 6–7.

Clarke A., Whyte J. & Harms L. 2007, 'Looking for new ways: Exploring student preparation for social work practice with

Indigenous communities', *Victorian Social Work*, **1**(2): 5.

Harper T. & **Anderson I.** 2007, 'Foreword: Embracing diversity for health', *VicHealth Letter*, **30**(Winter): 3.

Mackean T., Mokak R., Carmichael A., **Phillips G.**, Prideaux D. & Walters T. 2007, 'Reform in Australian medical schools: A collaborative approach to realising Indigenous health potential', *Medical Journal of Australia*, **186**(10): 544–546.

McVernon J., **McCaw C.** & Mathews J. 2007, 'Model answers or trivial pursuits? The role of mathematical models in influenza pandemic preparedness planning', *Influenza and Other Respiratory Viruses*, **1**: 43–54.

Mitchell P. 2007, 'Finding answers to suicide within Aboriginal communities: The Yarrabah Story', *Indigenous Affairs*, **44–50**(4/07)

O'Dea K., **Rowley K.** & Brown A. 2007, 'Diabetes in Indigenous Australians: Possible ways forward', *Medical Journal of Australia*, **186**(10): 494–495.

Paradies Y. 2007, 'Discrimination against Indigenous people [and timeline for action]', *VicHealth Letter*, **30**(Winter): 8–9, 14.

Pyyet P., Waples-Crowe P., Hunter Loughron K. & Gallagher J. 2007, 'Healthy pregnancies, healthy babies for Koori communities: Some of the issues around alcohol and pregnancy', *Aboriginal and Islander Health Worker Journal*, **32**(1): 30–32.

Rowley K. & **Anderson I.** 2007, 'Urban Indigenous health', *Internal Medicine Journal*, **37**(1): 4–5.

Thornton L. 2007, 'Fast food restaurant locations: Could they be supersizing local communities?', *Australasian Epidemiologist*, **14**(1): 6–9.

Westmore A. 2007, '[Book Review:] Knowing more about less: George Weisz, Divide and conquer: A comparative history of medicinal specialization', *Metascience*, **16**: 571–575.

Wiseman J. 2007, 'Climate change and social justice: Towards an Australian research and policy Agenda', *Just Policy*, **1**(46): 8–11.

C3 – Journal Articles Unrefereed Letters or Notes

Anderson I. & Humphery K. 2007, '[Editorial:] Aboriginal health and history', *Health and*

History, **9**(2): 1–6.

Bhugra D. & **Minas I.** 2007, 'Mental health and global movement of people', *The Lancet*, **370**(9593): 1109–1111.

Clements C. 2007, 'GardasilTM and mass psychogenic illness', *Australian and New Zealand Journal of Public Health*, **31**(4): 387.

Collins S., Warren N., Landsbergis P.A. & **Lamontagne A.** 2007, 'Stopping stress at its origins – addressing working conditions', *Hypertension*, **49**(5): e33.

Edmonds F. M. 2007, '[Book review:] Blackfellas, whitefellas and the hidden injuries of race', *Journal of Sociology*, **43**(1): 104.

Guillemin M. 2007, '[Book review:] Hot and bothered: Women, medicine and menopause in modern America', *Health*, **11**(1): 133–136.

Hammarberg K. 2007, 'Infertility: The emotional cost doesn't stop when a baby is born', *Australian Policy Online*, **8 March**.

Hammarberg K. 2007, 'Women's experience of birth and early mothering following assisted conception', *Australian Policy Online*, **7 March**.

Harms L., Whyte J. & **Clarke A.** 2007, '[Editorial:] Indigenous issues and social work', *Victorian Social Work*, **1**(2): 1.

Herrman H. 2007, 'Early intervention in psychiatry for poorly resourced countries', *Early Intervention in Psychiatry*, **1**(3): 222–223.

Keys D. 2007, 'Supporting young mothers: Considering family', *Parity*, **20**(5): 43.

Lenton J., Freedman E., Hoskin K., Knight V., Turley D., Balding B., Kennedy C., **Chen M.** & McNulty A. 2007, 'Chlamydia trachomatis infection among antenatal women in remote far west New South Wales, Australia', *Sexual Health*, **4**: 139–140.

MacIntyre M. 2007, 'Difficult relations in Papua New Guinea rain forests', *Current Anthropology*, **48**(6): 929–931.

Minas I. & Cohen A. 2007, 'Why focus on mental health systems?', *International Journal of Mental Health Systems*, **1**(1): 1–4.

Newton D., **Chen M.**, Cummings R. & **Fairley C.** 2007, 'Recommendations for chaperoning in sexual health settings', *Sexual Health*, **4**(3): 207.

Riley T. 2007, '[Book review:] Developing effective research proposals, KF Punch', *Qualitative Research Journal*, **7**(2): 84–87.

Skull S.A., Andrews M., Byrnes G., Kelly H., Nolan T., Brown G. & Campbell D. 2007, 'Pneumococcal polysaccharide vaccine may not prevent hospitalization for pneumonia in elderly individuals', *Clinical Infectious Diseases*, **44**: 617–621.

Skull S. & Nolan T. 2007, 'Australia needs an expanded immunisation register for further improvements in vaccine delivery and program evaluation', *Medical Journal of Australia*, **187**(9): 504–505.

C5 – Other Refereed Contribution to Refereed Journals

Barratt M.J., Norman J.S. & Fry C. 2007, 'Positive and negative aspects of participation in illicit drug research: Implications for recruitment and ethical conduct', *International Journal of Drug Policy*, **18**: 235–238.

Bennett N.J., Bull A.L., Dunt D., Gurrin L., Russo P.L., Spelman D. & Richards M.J. 2007, 'Occupational exposures to blood-borne pathogens in smaller hospitals', *Infection Control and Hospital Epidemiology*, **8**: 896–898.

Durrheim D.N., Kelly H., Ferson M.J. & Featherstone D. 2007, 'Remaining measles challenges in Australia', *Medical Journal of Australia*, **187**(3): 181–184.

Hammet F., George J., Tesoriero A., Jenkins M., Schroen C., Smith L., Grabosch-Meehan A., Dite G., McCreddie M., Southey M., Hopper J., Tavtigian & Giles G. 2007, 'Is BRCA2 c.9079 G > A a predisposing variant for early onset breast cancer?', *Breast Cancer Research and Treatment*, **10**.

Herrman H. 2007, 'Free and low-cost access to online WPA publications', *World Psychiatry*, **6**(3): 191–192.

Herrman H. 2007, 'What psychiatry means to me', *Mens Sana Monographs*, **5**(1): 179–187.

Herrman H. & Swartz L. 2007, 'Promotion of mental health in poorly resourced countries', *The Lancet*, **370**(9594): 1195–1197.

Jordan H., Dunn L. & Verrinder G. 2007, 'Education and training in environmental health services evaluation', *Environmental Health*, **7**(2): 62–68.

Saxena S., Bertolote JM &

Herrman H. 2007, 'World Health Organization's activities in the field of prevention of mental disorders', *Die Psychiatrie*, **4**(3): 166–175.

Smith L., Tesoriero A., Ramus S.J., Dite G., Royce S., Giles G., McCreddie M.R.E., Hopper J. & Southey M. 2007, 'BRCA1 promoter deletions in young women with breast cancer and a strong family history: A population-based study', *European Journal of Cancer*, **43**: 823–827.

F1 – Full Written Papers Refereed

Anderson I., Baum F. & Bentley M. 2007, 'Conclusion', in **Anderson I., Baum F. & Bentley M.** (eds), *Beyond Bandaid: Exploring the Underlying Social Determinants of Aboriginal Health: Papers from the Social Determinants of Aboriginal Health Workshop, July 2004*, Cooperative Research Centre for Aboriginal Health, Darwin, pp. 81–288.

Baum F., Bentley M. & Anderson I. 2007, 'Introduction', in **Anderson I., Baum F. & Bentley M.** (eds), *Beyond Bandaid: Exploring the Underlying Social Determinants of Aboriginal Health: Papers from the Social Determinants of Aboriginal Health Workshop, July 2004*, Cooperative Research Centre for Aboriginal Health, Darwin, pp. ix–xvi.

Campbell S., Pyett P., McCarthy L., Whiteside M. & Tsey K. 2007, 'Community development and empowerment — A review of interventions to improve Aboriginal health', in **Anderson I., Baum F. & Bentley M.** (eds), *Beyond Bandaid: Exploring the Underlying Social Determinants of Aboriginal Health: Papers from the Social Determinants of Aboriginal Health Workshop, July 2004*, Cooperative Research Centre for Aboriginal Health, Darwin, pp. 165–180.

Colucci E., Martin G., Marsella A. & Schweitzer R. 2007, 'Youth suicide: Social Representation, Attitudes and Meanings among Students in Italy, India and Australia. The preliminary results', in **Rogers J.** (ed.), *Proceedings of the 39th Annual Conference of the American Association of Suicidology*, American Association of Suicidology, Washington, pp. 64–72.

Vickery J., Faulkhead S., Adams K. & Clarke A. 2007, 'Indigenous insights into oral history, social determinants and

decolonization', in **Anderson I., Baum F. & Bentley M.** (eds), *Beyond Bandaid: Exploring the Underlying Social Determinants of Aboriginal Health: Papers from the Social Determinants of Aboriginal Health Workshop, July 2004*, Cooperative Research Centre for Aboriginal Health, Darwin, pp. 19–36.

F2 – Full Written Papers Unrefereed

Hsueh Y. 2007, 'Impacts of Individual/Household Socio-Economic Conditions and Area Environment on Health in Australia, Using Fvive-Wave Panel Data of HILDA Surveys', *HILDA Conference 2007 Proceedings*, online, The University of Melbourne, Melbourne.

Reilly R., Doyle J., Firebrace B., Morgan-Bulld D., Cargo M. & Rowley K. 2007, 'Reflecting on Koori-directed health promotion in the Goulburn Valley', *Psychology and Indigenous Australians: Effective Teaching and Practice*, University of South Australia, Adelaide, pp. 1–10.

Wiseman J. & Brasher K. 2007, 'Community Wellbeing in an Unwell World: Trends, Challenges and Opportunities', *McCaughy Centre Policy Signpost*, **1**(1): 1–20, McCaughy Centre, The University of Melbourne, Melbourne.

G – Reports and Working Papers

G4 – Major Reports and Working Papers

Adams K. 2007, *National indigenous Tobacco Control Research Workshop Report: Koori Heritage Trust Inc, Melbourne, Australia 26–27 April 2007*, Centre for Excellence in Indigenous Tobacco Control, The University of Melbourne, Melbourne.

Dare A., Pirkis J., Blood W., Rankin B., Williamson M., Burgess P. & Jolley D. 2007, *The Media Monitoring Project: Changes in Media Reporting of Suicide and Mental Health and Illness in Australia, 2000/01–2006/07*, Centre for Health Policy, Programs and Economics, The University of Melbourne, Melbourne.

Doyle C., Dunt D. & Pattewage L. 2007, *Promoting Public Awareness of Prevention, Early Detection and Treatment of Chronic Obstructive Pulmonary Disease*, for Victorian Department of Human Services, Centre for Health Policy, Programs and Economics,

The University of Melbourne, Melbourne.

Doyle C., White V., Hunter C., Dunt D., Day S., Mckenzie R., Van Dort P., Pezzullo L., Yates K., Opie J. & Rosewarne R. 2007, *Dementia Health Priority Initiative National Evaluation—Progress Report 5*, for Commonwealth Department of Health and Ageing, LaTrobe University, Melbourne.

Doyle C., White V., Hunter C., Dunt D., Day S., Mckenzie R., Van Dort P., Pezzullo L., Yates K., Opie J. & Rosewarne R. 2007, *Dementia Health Priority Initiative National Evaluation—Progress Report 6*, for Commonwealth Department of Health and Ageing, LaTrobe University, Melbourne.

Doyle C., White V., Hunter C., Dunt D., Day S., Mckenzie R., Van Dort P., Pezzullo L., Yates K., Opie J. & Rosewarne R. 2007, *Dementia Health Priority Initiative National Evaluation—Progress Report 7*, for Commonwealth Department of Health and Ageing, LaTrobe University, Melbourne.

Doyle C., White V., Hunter C., Dunt D., Day S., Mckenzie R., Van Dort P., Pezzullo L., Yates K., Opie J. & Rosewarne R. 2007, *Dementia Health Priority Initiative National Evaluation—Progress Report 8*, for Commonwealth Department of Health and Ageing, LaTrobe University, Melbourne.

Doyle C., White V., Hunter C., Dunt D., Day S., Mckenzie R., Van Dort P., Pezzullo L., Yates K., Opie J. & Rosewarne R. 2007, *Dementia Health Priority Initiative National Evaluation—Annual Report 2*, for Commonwealth Department of Health and Ageing, LaTrobe University, Melbourne.

Fisher J., Cabral De Mello M., Izutsu T. & Tuan T. 2007, *Maternal Mental Health and Child Survival, Health and Development in Resource-constrained Settings: Essential for Achieving the Millennium Development Goals*, World Health Organization, Geneva.

Fisher J. & Tuan T. 2007, *Report of UNFPA—WHO International Expert Meeting: The Interface between Reproductive Health and Mental Health. Maternal Mental Health and Child Health and Development in Resource Constrained Settings*, World Health Organization, Geneva.

Fletcher J., Pirkis J., Kohn F., Bassilios B., Blashki G. & Burgess P. 2007, *Evaluating the Access to Allied Psychological*

Services Component of the Better Outcomes in Mental Health Care Program: Tenth Interim Evaluation Report – Progressive Achievements over Time, Centre for Health Policy, Programs and Economics, Melbourne.

Freemantle C., Officer K., McAullay D. & **Anderson I.** 2007, *Australian Indigenous Health—Within an International Context*, Cooperative Research Centre for Aboriginal Health, Darwin.

Genat W. 2007, *Briefing Paper: A National Indigenous Public Health Framework*, Onemda VicHealth Koori Health Unit, The University of Melbourne, Melbourne.

Goller J., Guy R., Leonard M., Halcrow G., **Anderson I.**, O'Shaughnessy T. & Hellard M. 2007, *Evaluation of the Tri-state STI/HIV Project in Central Australia*, Commonwealth Department of Health and Ageing, Canberra.

Harvey B., Abbott D., Scougall J., **Langton M.**, Agius P., Archer D., Boyd D., Deleffle A.S., Ruth K., Helms K., Hondros J., Pearce D., Sarra G., Barclay M.A., Clark G. & Davies J. 2007, *Leading Practice Sustainable Development Program for the Mining Industry: Working with Indigenous Communities Handbook*, Commonwealth of Australia, Canberra.

Kavanagh, A., Thornton, L., Tattam, A., Thomas L.R., **Jolley D.** & Turrell G. 2007, *Place Does Matter for Your Health. A Report of the Victorian Lifestyle and Neighbourhood Environment Study*, The University of Melbourne, Melbourne.

Keys D. 2007, *Opportunity for Change: Young Motherhood and Homelessness*, The University of Melbourne, Melbourne.

Kohn F., **Pirkis J.**, Bassilios B., Fletcher J., **Morley B.**, **Naccarella L.**, **Blashki G.** & Burgess P. 2007, *Evaluating the*

Access to Allied Psychological Services Component of the Better Outcomes in Mental Health Care Program: Eleventh Interim Evaluation Report—Utilisation of Evaluation Findings, Centre for Health Policy, Programs and Economics, The University of Melbourne, Melbourne.

Kruger K., **McMillan N.**, **Russ P.** & Smallwood H. 2007, *Talkin' up Good Air: Australian Indigenous Tobacco Control Resource Kit*, Centre for Excellence in Indigenous Tobacco Control, The University of Melbourne, Melbourne.

Lamontagne A., Glass D. & Benke G. 2007, *Review of Primary Investigation of Suspected Brain Cancer Cluster and Employee Complaints in RMIT Building 108*, RMIT University, Melbourne.

Lock M.J. 2007, *Aboriginal Holistic Health: A Critical Review Discussion Paper 2*, Cooperative Research Centre for Aboriginal Health, Darwin.

Makela P., Bloomfield K., Gustafsson N-K. & **Room R.** 2007, *Effects of Major Changes in Alcohol Availability: Study Design, Data Collection Procedures and Measurement*, Report No. 26, SoRAD, Stockholm.

McKenzie R.A. & Stewart A. 2007, *Final Report: Support and Capacity Building, Well for Life Initiative*, Centre for Health Policy, Programs and Economics, The University of Melbourne, Melbourne.

Palassis J., Mattheissen C., Santiago A., Hadley J., **Lamontagne A.** & Harris A. 2007, *ALERT: Preventing Worker Injuries and Deaths from Explosions in Industrial Ethylene Oxide Sterilization Facilities*, NIOSH National Institute for Occupational Safety and Health, Cincinnati, US.

Pirkis J., **Blashki G.**, **Kohn**

F., Bassilios B., Fletcher J. & Burgess P. 2007, *A Revised National Evaluation Framework for the Better Outcomes in Mental Health Care Program*, for Commonwealth Department of Health and Ageing, Centre for Health Policy, Programs and Economics, The University of Melbourne, Melbourne.

Pyett P., Loughron K., Waples-Crowe P. & Williams R. 2007, *Fetal Alcohol Syndrome: A Literature Review for the 'Healthy Pregnancies, Healthy Babies for Koori Communities' Project*, Premier's Drug Prevention Council, Department of Human Services, Melbourne.

Renhard R., **Kelagher M.** & **Anderson I.** 2007, *Review to Identify Opportunities through DHS Funding to Improve Outcomes for Aboriginal People: Final Report*, Australian Institute of Primary Care, Melbourne.

Room R. 2007, *WHO Expert Committee on Problems Related to Alcohol Consumption: Second Report—WHO Technical Report Series*, Report No 944, World Health Organization, Geneva.

Silburn K., Renhard R., **Anderson I.**, **Rowley K.**, Lewis V., Lin V. & **Lewis J.** 2007, *A Statewide Evaluation Framework for the Aboriginal Health Promotion and Chronic Care Partnerships (AHPACC) Initiative*, Australian Institute of Primary Care, Melbourne.

Tacticos T. & **Warr D.** 2007, *Final Report on the Neighbourhood Renewal Community Survey in Collingwood*, for Department of Human Services Victoria, The University of Melbourne, Melbourne.

Tacticos T. & **Warr D.** 2007, *Final Report on the Neighbourhood Renewal Community Survey in Fitzroy*, for Department of Human Services Victoria, The University of Melbourne, Melbourne.

Warr D. 2007, *A Model for Tackling Disadvantage and Promoting Participation in Preschool Education at the Meadowbank Early Learning Centre*, Centre for Health and Society, The University of Melbourne, Melbourne.

West S.A. & Raysmith H. 2007, *Planning Together: Lessons from Local Government Community Planning in Victoria*, Local Government Victoria, Department of Planning and Community Development, Melbourne.

G5 – Minor Reports and Working Papers

Brasher K. 2007, *Disability Services Community Building Program Interview Data Report*, McCaughey Centre, The University of Melbourne, Melbourne.

Brasher K. 2007, *WHO Global Age-Friendly Cities Project Community Assessment Report: Melbourne Australia*, McCaughey Centre, The University of Melbourne, Melbourne.

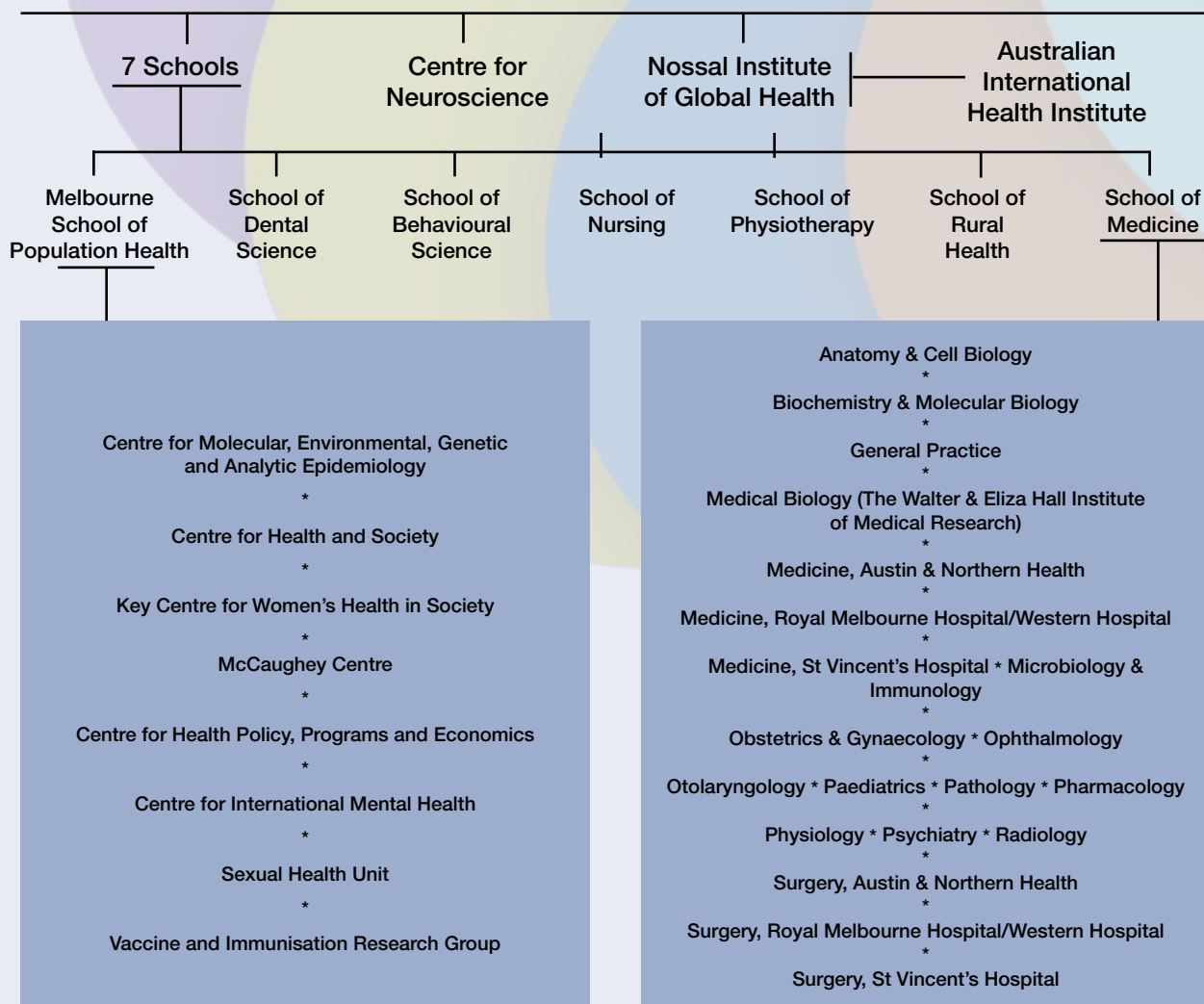
Davern M., **Gunn L.**, Ghantous S., Gelsi S. & Rich S. 2007, *Using the Community Indicators Victoria Survey to Assist in Municipal Public Health Planning*, The University of Melbourne, Melbourne.

Rowe H. 2007, *Tweddle Child and Family Health Service Pilot Social Work Service 2006–2007. Evaluation Report*, Tweddle Child and Family Health Services, Melbourne.

West S.A. 2007, *Disability Services Community Building Program Performance Indicators Report*, Department of Human Services, Melbourne.

West S.A. 2007, *Disability Services Community Building Program: Desktop Audit Report*, Local Government Victoria, Department of Planning and Community Development, Melbourne.

Faculty of Medicine, Dentistry & Health Sciences



How to contact the Melbourne School of Population Health

**Melbourne School of Population Health
Academic Programs Office**
Level 4, 207 Bouverie Street
Carlton, Vic 3053
Tel: +61 3 8344 9338/9339
Fax: +61 3 8344 0824
Email: sph-gradinfo@unimelb.edu.au
www.sph.unimelb.edu.au

Centre and Units
**Centre for Molecular, Environmental, Genetic
and Analytic Epidemiology**
Level 1, 723 Swanston Street
Carlton, Vic 3053
Tel: +61 3 8344 0671
Fax: +61 3 9349 5815
Email: epi-info@unimelb.edu.au
www.epi.unimelb.edu.au

Centre for Health and Society
Level 4, 207 Bouverie Street
Carlton, Vic 3053
Tel: +61 3 8344 0822
Fax: +61 3 8344 0824
Email: chs-info@unimelb.edu.au
www.chs.unimelb.edu.au

Key Centre for Women's Health in Society
Level 2, 723 Swanston Street, Carlton The University of Melbourne, Victoria, 3010, Australia
Tel: +61 3 8344 4333
Fax: +61 3 9347 9824
Email: enquiries-kcwhs@unimelb.edu.au
www.kcwhs.unimelb.edu.au

Centre for Health Policy, Programs and Economics
Level 4, 207 Bouverie Street
Carlton, Vic 3053
Tel: +61 3 8344 0710
Fax: +61 3 9348 1174
Email: chppe-enquiries@unimelb.edu.au
www.healthprograms.unimelb.edu.au

Centre for International Mental Health
Level 5, 207 Bouverie Street
Carlton, Vic 3053
Tel: +61 3 8344 0908
Fax: +61 3 9348 2794
Email: h.minas@unimelb.edu.au
www.cimh.unimelb.edu.au

Sexual Health Unit
Melbourne Sexual Health Centre
580 Swanston Street
Carlton, Vic 3053
Tel: +61 3 9341 6236
Fax: +61 3 9347 6757
Email: shu-gradinfo@unimelb.edu.au
www.mshc.org.au

**The McCaughey Centre: VicHealth Centre
for the Promotion of Mental Health and
Community Wellbeing**
Level 5, 207 Bouverie Street
University of Melbourne
Victoria 3010 Australia
Tel: +61 3 8344 9101
Fax: +61 3 9348 2832
Email: info-mccaughey@unimelb.edu.au
www.mccaugheycentre.unimelb.edu.au

Vaccine and Immunisation Research Group
Level 5, 207 Bouverie Street
University of Melbourne
Victoria 3010 Australia
Tel: +61 3 8344 9325
Fax: +61 3 9348 1827
Email: virgo-studies@unimelb.edu.au