

Chronic Disease Research Group

[Prepared for Research and Research Training meeting 24 July 2009]

Chronic disease in general practice and primary care

Research Focus: Interventions relating to the health care delivery and improving the health of people with chronic diseases from disadvantaged and Cultural and Linguistically Diverse (CALD) backgrounds.

Current Team

Staff	Qualifications	Role
D Young	MBBS MD FRACGP	Program Leader; Academic GP
J Furler	MBBS PhD FRACGP	Senior Research Fellow; Academic GP
N.Sulaiman	MBChB MPH DCH FFPH PhD	Senior Research Fellow; Epidemiologist
I Blackberry	BMed PhD	Program Coordinator; Research Fellow
P Lau	B Pharm Sci (Hons), PhD	Research Fellow; Academic Pharmacist
M Burchill	MSW	Indigenous Project Officer
T Pham	BA & BSc (Hons)	Research Assistant A2
C Mathieson	RN Div 1 DNE	Research Assistant A2
A John	RN Div 1 DNE	Research Assistant A2
K Novy	RN	Administrative Assistant

And 5 casual RAs (to do CATIs)

Current Students	Research level	Thesis topic
Y Suparto	PhD	Chronic disease self management and empowerment in people with type 2 diabetes in Indonesia
A Yates	MPH	A case study of PEACH study complex intervention implementation in general practice
E O'Toole	M Primary Health Care Res	How do urban Indigenous people manage type 2 diabetes?
A Al-Moqbali	MPH	Chronic disease risk factors screening among people living in Oman
C Meade	RDP Fellow	How do GPs understand the relationship between depression and the management of type 2 diabetes?
J Malcolm	RDP Fellow	How do Early Intervention in Chronic Disease programs address the needs of people from disadvantaged backgrounds?
A Mulligan	GPSN	A review on how people aged 30 years and over care for their type 1 diabetes
S Prabakharan	GPSN	A review on how people aged 30 years and over self manage their type 1 diabetes

Past Students (2007-9)	Research level	Thesis topic
L Watson	MPH Primary	Characteristics of people with type 2 diabetes in general

	Care	practice setting at risk of preventable Emergency Department presentation an hospital admission
M Tham	Academic registrar	The role of the General Practitioner in weight management in primary care - a cross sectional study in General Practice
L Walker	RDP	Practice nurse views and management of diabetes and chronic disease
C Mathieson	RDP	An assessment of Practice Nurses knowledge and confidence of type 2 diabetes and its management as well as an evaluation of COACH training
A Wong	AMS	Type 2 Diabetes in Chinese Speaking People In General Practice: Confidence and Dependence in Self-Management
SW Yeoh	AMS	Perceptions of health and type 2 diabetes in a South Sudanese community in Melbourne
Cheng M	Academic registrar	Brokerage in Health: An Aboriginal Health Perspective

Collaborations:

International	National	Internal
Oxford University	UNSW	NHMRC CCRE in Diabetes Science
University of Sharjah	Unisa	School of Population Health
National Centre for Primary Research and Development (Manchester)	Deakin University	Department of Medicine at St Vincent's Hospital
Canadian Institute for Clinical and Evaluative Sciences	Greater Green Triangle	Obesity consortium
ISEqH	Chronic Illness Alliance	
Cambridge University	The Coach Program	
	Diabetes Australia Victoria	
	CERA	
	Monash University	
	Griffith University	
	Bond University	
	Newcastle University	
	University of New South Wales	
	The Victorian Aboriginal Community Controlled Health Organisation (VACCHO)	
	Department of Human Services	
	Menzies School of Health Research	

Completed grants: 2005-2008

Investigators	Source	Year	Topic
Young D, Furler J,	NHMRC GP Clinical	2006 \$234,244,	PEACH study-Patient Engagement and Coaching for Health: an intensive intervention

Walker C, Vale M, Best J, Segal L, Dunning T.	Research Grant.	2007 \$131,728 2008 \$133,291.	for patients with type 2 diabetes in disadvantaged communities.
Nicholson G, Sanders K, Young D, Kotowicz M, Pasco J.	NHMRC Project Grant	2003- 2007. \$293,000	Primary Care prevention of falls and fractures in the elderly by annual vitamin D supplementation.
J Furler, C Mathieson & F Duffy	Royal Australian College of General Practitioners National Research Committee, Cardiovascular Research Grant in General Practice	2007-2008 \$24,994	Stepping up: Perceptions of insulin initiation in general practice
Naccarella, Furler, Scott, Young	Australian Primary Health Care Research Institute	\$154,998 (one year)	Stream 4: Systematic Review of Innovative Models for Comprehensive Primary Health Care Delivery

Grant Funding

A. CURRENT

Investigators	Source	Year	Topic
Zwar NA, Richmond R, Halcomb L, Furler J, Smith J.	NHMRC Project Grant	\$1,123,952.2009: \$333,051 2010: \$616,976 2011:\$173,925.	Quit In General Practice: a cluster randomised trial of enhanced in-practice support for smoking cessation.
Liaw T, Furler J, Rowley K, Pyett P, Kelahe M, Lau P.	NHMRC Project Grant	2008 \$117,175 2009 \$121,750 2010 \$126,750.	Culturally appropriate diabetes care in mainstream general practice for urban Aboriginal and Torres Strait Islander people
Young D, Vale M, Furler J, Walker C, Dunning T;	NHMRC Project Grant	2009 \$298,125	PEACH Patient Engagement and Coaching for Health: An intensive treatment intervention for patients with type 2 diabetes
Furler J	Department of Health and Ageing	2007: \$105,500 2008: \$105,500 2009: \$105,500 2010: \$105,500 2011: \$105,500	PHC RED research fellowship

Palmer V, Gunn J, Furler J, Kokanovic R.	beyondblue	2009 \$98, 559 2010 \$103 518	Improving Community Coordination, Access and Networks (I-CCAaN): primary care for depression, anxiety and related disorders with co-morbid chronic physical illness.
Comino, Harris M, Haas, Furler	APHCRI	2009: \$249,881	Best practice' health care: optimising access to primary health care
Nacarrella, Scott, Furler, Dwan	APHCRI	2009: \$234,178	Incentives for Primary Health Care Team Service Provision (Incentives4Teams)
Scott, Naccarella, Furler, Young	APHCRI	2009: \$243,066	Incentives and the quality of primary health care in Australia
Best J, O'Dea K, Taylor H, Kay T, Jenkins A, Young D	NHMRC CCRE	(2007-2011 \$1,975,625).	CCRE in clinical science in diabetes
Furler J, Blackberry I, Young D, Best J, Audehm R	Department of Health and Ageing	2009-2010 \$219,393	Stepping Up in diabetes: a pilot implementation and evaluation of a program to enhance the way the primary care diabetes team works with patients to manage insulin treatment

B. PENDING

Investigators	Source	Year	Topic
Furler J, Best J, Young D, Blackberry I, Patterson E, Segal L.	NHMRC Project Grant	2010 \$159,163, 2011 \$344,800, 2012 \$348,225, 2013 \$313,225, 2014 \$201,013.	Stepping Up: A cluster randomised trial of team based transition to insulin in primary care for poorly controlled type 2 diabetes.
Harris MF, Young D, Zwar N, Furler J, Davidson P, Denney-Wilson E, Kemp L, Jayasinghe U.	NHMRC Project Grant	2010 \$212,401, 2011 \$859,088, 2012 \$342,351	Enhancing the role of practice nurses in preventive care in disadvantaged communities.
Young D, Lau P, Best J, Kelleher M, Pyett P, Manias, E.	NHMRC Project Grant	2010 \$196,733; 2011 \$202,485; 2012 \$216,175	Quality use of medicine: Developing a medication adherence enhancement package for urban and rural Indigenous Australians with type 2 diabetes.
Lau P, Young D, Best J,	DART Grant	2010 \$59,708	Exploring quality use of medicines and medication adherence for urban and rural Indigenous Australians

Kelahe M, Manias E, Pyett P, DeWitt D			with diabetes
Lau P, Young D, Best J, Kelahe M, Manias E, Pyett P, DeWitt D	ADS- Servier (Barry Young) Grant	2010 \$19,627	Exploring the facilitators and barriers to medication adherence for urban and rural Indigenous Australians with diabetes
Furler J, Best J, Young D, Blackberry I, Audehm R	DART grant	2010 \$59,960	Piloting Stepping Up in General Practice
Furler J, Best J, Young D, Blackberry I, Audehm R	ADS- Servier (Barry Young) Grant	2010 \$19,950	Piloting Stepping Up in General Practice

Priority areas for the next 3-5 years

1. Continue building national and international collaborations with University of Adelaide, UNSW, HK, Cambridge
2. Dissemination
 - Peer-reviewed journals
 - Book/s –General practice Nursing
 - Influencing policy and practice activities
3. To increase the quality and equity of chronic disease care in general practice and primary care, by improving the congruence between program and policy development and the needs of patients and practitioners, particularly in socioeconomically disadvantaged settings.
4. To identify barriers and facilitators to access and uptake of chronic disease management in mainstream General Practice and to explore interventions for different groups within the Australian population such as ATSI, NESB, etc.
5. To develop and integrate psychological intervention modules for patients and carers into chronic disease management programs.

Actions for 2009-10

- Substantial current work that needs to be completed and published
- Investigate ARC linkage grant
- Investigate program grant application for 2010 and beyond
- Attract post-graduate students

Grant applications 2009-2010

- Apply for ARC scholarship for Quit study
- NHMRC Program Grant 2010
- ARC Linkage Grant with RACGP

Skills and expertise

Academic

- Literature searching and critical appraisal skills
- Qualitative methods
- Knowledge translation expertise
- Writing for publications
- Writing grants
- Establishing and maintaining collaborations
- Student supervision

Administrative

- Strong Project Management skills
- Strong recruitment skills
- Database design and management skills
- Research Administration skills
- Desktop design and publishing
- PowerPoint
- Endnote

Skills and expertise required

Academic

- Theoretical frameworks knowledge
- Quantitative methods
- Health economics

Conference Abstracts

2007

1. **Blackberry I, Stewart A, Furler J, Young D, Walker L, Mathieson C.** Patient Engagement and Coaching for Health: preliminary findings. *Presented at the General Practice and Primary Health Care conference, Sydney May 2007.*
2. **Blackberry I, Young D, Furler J.** Challenges in building research capacity of Practice Nurses. *Presented at the General Practice and Primary Health Care conference, Sydney May 2007.*
3. **Young D, Furler J, Blackberry I.** Patient Engagement and Coaching for Health: baseline findings. *Presented at the National Primary Health Care and General Practice conference, Vancouver October 2007.*
4. **Young D, Furler J, Blackberry I.** Patient Engagement and Coaching for Health: baseline findings. *Presented at the CRX07 conference August 2007 Melbourne.*

2008

1. **Blackberry I, Furler J, Novy K, Young D.** Pragmatic costs associated with engaging practice nurses in general practice based clinical trials: lessons learnt from the PEACH study. *Accepted for oral presentation at the General Practice and Primary Health Care*

conference, Hobart June 2008.

2. **Furler J, Blackberry I, Walker C, Vale M, Young D.** Barriers to innovation in the role of Practice Nurses: Lessons learnt from the Patient Engagement And Coaching for Health (PEACH) study. *Poster presentation for the General Practice and Primary Health Care conference, Hobart June 2008.*
3. **Blackberry I, Furler J, Novy K, Young D.** Pragmatic costs associated with engaging practice nurses in general practice based clinical trials: lessons learnt from the PEACH study. *Invited oral presentation at the CRX08 conference, Brisbane August 2008.*
4. **Furler J, Blackberry I, Walker C, Vale M, Young D.** Barriers to innovation in the role of Practice Nurses: Lessons learnt from the Patient Engagement And Coaching for Health (PEACH) study. *Poster presentation for the National Primary Health Care and General Practice conference, 2008.*
5. **Lau P, Liaw T, Furler J, Rowley K, Pyett P, Kelaher M, Waples-Crowe P & Johnston P.** Literature review of Culturally Appropriate Diabetes Care in mainstream general practice for urban Aboriginal & Torres Strait Islander people. *Poster presentation at the Coalition for Research to Improve Aboriginal Health (CRIA) Aboriginal Health Research Conference 2008, Sydney 29-30 April.*
6. **Lau P, Liaw T, Furler J, Rowley K, Pyett P, Kelaher M, Waples-Crowe P & Johnston P.** 'Culturally Appropriate Diabetes Care in mainstream general practice for urban Aboriginal & Torres Strait Islander people' at the Clinical Research Excellence (CRX08) Conference 2008, Melbourne 7-9 August.
7. **Lau P, Liaw T, Furler J, Rowley K, Pyett P, Kelaher M, Waples-Crowe P & Johnston P.** Literature review of Culturally Appropriate Diabetes Care in Mainstream General Practice for Urban Aboriginal & Torres Strait Islander People. *Praol presentation at the WONCA Asia Pacific Regional Conference/ RACGP Annual Scientific Conference 2008, Melbourne 2-5 October.*

2009

1. **Blackberry I, Furler J, Young D, Best J.** Baseline characteristics of type 2 diabetes presenting to general practice. *The Australian Diabetes Society meeting Adelaide 24-26 August 2009*
2. **Blackberry I, Furler J, Young D, Pham T.** Social risk factors in relation to poor diabetes control. *GP&PHC conference Melbourne July 2009*
3. **Young D, Blackberry I, Furler J, Best J.** Characteristics of PEACH study baseline. *European Association of Diabetes Society Vienna September 2009*
4. **Liaw T, Lau P, Furler J, Rowley K, Pyett P, Kelaher M, Waples-Crowe P & Johnston P.** Culturally appropriate CDM in mainstream primary health services for urban Indigenous Australians - a literature review and model. *Presented at the General Practice and Primary Health Care (GP & PHC) Research Conference 2009, Melbourne 15-17 July.*

5. **Liaw T, Lau P, Furler J**, Rowley K, Pyett P, Kelaher M, Waples-Crowe P & Johnston P. Culturally appropriate diabetes management in mainstream primary health services for urban Indigenous Australians - a literature review and model. Poster presentation at the Australian Diabetes Society (ADS) Conference 2009, Adelaide 26-28 August.

Publications

2007

1. Bland R, Clarke M, Elsom S, Epstein M, Farhall J, Fielding J, Fossey E, Leggatt 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*. South Melbourne, Australia: Oxford University Press, pp. 190-226.
2. Critchley J, Dewitt Talbot D, Khan MA & **Liaw S**. 2007. A required rural health module increases students' interest in rural health careers. *Rural and Remote Health*. **7**: 688.
3. **Liaw S** & Boyle D. 2007. Lessons from the NHS National Programme for IT. *Medical Journal of Australia*. **186** (11): 607-608.
4. **Liaw S**, Kennedy G, Marty J, Judd T, Keppell M & McNair R. 2007. *Communicating with the Tired Patient*. Parkville, Australia: University of Melbourne. (Not Final)
5. **Furler J**, Harris E, Harris M, Naccarella L, **Young D** & Snowdon T. 2007. Health inequalities, physician citizens and professional medical associations: an Australian case study. *BMC Medicine*. **5** (23): 1-8.
6. Krass I, Armour CL, Mitchell B, Brilliant M, Dienaar R, Hughes J, **Lau P**, Peterson G, Stewart K, Taylor S & Wilkinson J. 2007. The pharmacy diabetes care program: assessment of a community pharmacy diabetes service model in Australia. *Diabetic Medicine*. **24** (6): 677-683.
7. Naccarella L, Southern D, **Furler J**, Scott A, Prosser L, **Young D**, Swerissen H & Waters E. 2007. Reforming Primary Care in Australia: A Narrative Review of the Evidence from Five Comparator Countries. *Australian Journal of Primary Health*. **13** (2): 82-89.
8. Russell M, Hill K, **Blackberry I**, Gurrin L, Day L, Dharmage S. The reliability, sensitivity and specificity of the falls risk for older people in the community (FROP-Com) assessment tool. *Age and Ageing*. 2008 Nov ;37(6):634-9. Epub 2008 Jun 19.
9. **Sulaiman N, Furler J**, Hadj E, Corbett H & **Young D**. 2007. Stress, culture and 'home': social context in Turkish and Arabic-speaking Australians' view of diabetes prevention. *Health Promotion Journal of Australia*. **18** (1): 63-68.
10. **Young D, Furler J**, Vale M, Walker C, Segal L, Dunning P, **Best J, Blackberry I**, Audehm R, Sulaiman N, Dunbar J & Chondros P. 2007. Patient Engagement and

Coaching for Health. The PEACH study - A cluster randomised controlled trial using the telephone to coach people with type 2 diabetes to engage with their GPs to improve diabetes care: A study protocol. *BMC Family Practice*. **8** (20): 1-9.

2008

1. **Furler J**. 2008. Changing paradigms in chronic condition care. *Chronic Illness*. **4** (3): 157 - 159.
2. **Furler J**, Cleland J, Del Mar C, Hanratty B, Kadam U, Lasserson D, Mccowan C, Magin P, Mitchell C, Qureshi N, Rait G, Steel N, Van Driel M & Ward A. 2008. Leaders, leadership and future primary care clinical research. *BMC Family Practice*. **9** (52): 1-6.
3. **Furler J**, Walker C, **Blackberry I**, Dunning T, **Sulaiman N**, Dunbar J, **Best J** & Young D. 2008. The emotional context of self-management in chronic illness: A qualitative study of the role of health professional support in the self-management of type 2 diabetes. *BMC Health Services Research*. **8** (214): 1-9.
4. Joubert J, Prentice , Moulin , **Liaw S**, Joubert L, Preux , Ware , Medeiros De Bustos & Mclean . 2008. Stroke in Rural Areas and Small Communities. *Stroke*. **39**: 1920-1928.
5. **Liaw S** & Boyle D. 2008. Secure Data Linkage and Information Sharing With GRHANITE. *HIC 2008 Australia's Health Informatics Conference*. On line. Melbourne, Australia: Health Informatics Society of Australia.
6. **Liaw S**, **Sulaiman N**, Barton C, Chondros P, Harris C, Sawyer S & Dharmage S. 2008. An interactive workshop plus locally adapted guidelines can improve General Practitioners asthma management and knowledge: A cluster randomised trial in the Australian setting. *BMC Family Practice*. **9** (22): 1-8.
7. Magin P, **Furler J** & Van Driel M. 2008. The Brisbane International Initiative: fostering leadership and international collaboration in primary care research. *Medical Journal of Australia*. **189** (2): 100-102.
8. Mcintyre E, Reibel T, Aylward P, **Lau P**, Schroeder J & Schultz D. 2008. How to conduct effective skill building workshops? *Australian Family Physician*. **10**: 868-867.(Not Final)
9. Naccarella L, Southern D, Furler J, Scott A, Prosser L, **Young D**, Swerissen H & Waters E. 2008. Primary care funding and organisational policy options and implications: a narrative review of evidence from five comparator countries. *Medical Journal of Australia*. **188** (8): S73-S76.
10. Russell M, Hill K, **Blackberry I**, Day L & Dharmage S. 2008. The reliability and predictive accuracy of the falls risk for older people in the community assessment (FROP-Com) tool. *Age and Ageing*. **37** (6): 634-639.
11. Russell MA, Hill KD, **Blackberry I**, Gurrin L, Dharmage SC, Day LM. Development of the falls risk for older people in the community (FROP-Com) screening tool. *Age and Ageing*. 2009 Jan;38(1):40-6.

12. Tham M & **Young D**. 2008. The role of the General Practitioner in weight management in primary care - a cross sectional study in General Practice. *BMC Family Practice*. **9** (66): 1-7.
13. Van Driel M, Magin P, Del Mar C, **Furler J** & De Maeseneer J. 2008. Journal impact factor and its importance for AFP. *Australian Family Physician*. **37** (9): 770 - 773.
14. Wong A, **Lau P**, Prabakaran V & Pirota M. 2008. Chinese herb useage among Chinese Australians with type 2 diabetes. *Australian Family Physician*. **37** (10): 791.

2009

1. Kokanovic R, **Furler J**, May C, Dowrick C, Herrman H, Evert H & Gunn J. 2009. The Politics of Conducting Research on Depression in a Cross-Cultural Context. *Qualitative Health Research*. **19** (5): 708-717.
2. **Blackberry I, Furler J, Young D**, Best J. 2009. What does it cost to establish practice nurses led clinical trial in general practice? Lessons learnt from the PEACH study. *Medical Journal of Australia in press*
3. Kokanovic R, May C, Newton D, Dowrick C, **Furler J**, Gunn J. Negotiations of distress between East Timorese and Vietnamese refugees and their family doctors in Melbourne. *Sociology of Health & Illness*. 2009 (Accepted 26 May 2009).
4. Wong A, Stewart A, **Furler J**. Development and Validation of the Diabetes Management Orientation Scale (DMOS): Assessing culturally related approaches to diabetes self-management. *Diabetes Research and Clinical Practice* (accepted 16 July 2009)
5. Cheng M, Clarke A, Moore T, **Lau P**. Making the connection: a qualitative study of brokerage in Aboriginal and Torres Strait Islander health. *Australian Health Review*. (submitted)
6. **Nabil Sulaiman**, Aisha Hamdan, Dhafir Al Badri, **Doris Young**. (2009) Diabetes Knowledge and Attitudes towards Prevention and Health Promotion: Qualitative Study in Sharjah, United Arab Emirates (in press- 2009 International Journal of Food Safety, Nutrition and Public Health)
7. **Sulaiman ND**, Barton CA, Liaw S-T, Harris CA, Sawyer SM, Abramson MJ, Robertson C Dharmage SC. Do small group workshops and locally adapted guidelines improve asthma patient's health outcomes? A randomised controlled trial. Submitted to *BMC Family Practice* 2009
8. **Sulaiman ND** Spiro GP study: submitted to *AMJ* 2009

9. Russell M, Oosterhuis T, Hill K, Day L, **Blackberry I**, Dharmage S. Predictors of long-term post-fall decline in older community-dwelling people discharged directly from Emergency Departments. *Submitted*
10. Russell MA, Hill KD, Day LM, **Blackberry ID**, Dharmage S, Schwartz J, Giummarra MJ, Dalton A, Ibrahim J, Dorevitch M. A randomised controlled trial of a multifactorial falls prevention intervention for older fallers presenting to Emergency Departments. *Submitted*
11. Hill K, Womer M, Russell M, **Blackberry I**, McGann A. Prevalence and predictors of fear of falling in older people presenting to Emergency Departments after a fall. *Submitted*