Community programs to improve cardiovascular health and cancer prevention

A preliminary review of programs in rural Australia

Volume 2: Program Summaries

S Jones, L Fragar, J Depczynski

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INTRODUCTION

This volume complements the report Community programs to improve cardiovascular health and cancer prevention – a preliminary review of programs in rural Australia, the purpose of which was to identify and describe currently available Australian programs aimed at engaging communities in programs that aim to improve cardiovascular health and fitness (including Type 2 Diabetes), and to examine their evidence base, effectiveness, suitability and accessibility for Australian farmers and farm families.

The contents of this volume are tables with brief descriptions of each of the community-based programs and the general practitioner-based promotion and cardiovascular disease prevention programs.

The information contained herein is necessarily incomplete - the summaries are based on the references and information available to the authors available at the time of preparation of this report (June 2008). The authors request and encourage feedback and further information relating to the programs that have been described, as well as to other similar programs that have not been identified or included. In this way a further edition of the report can be produced that will be more complete.

Acknowledgements

Thank you to all the people contacted for so generously providing information for this report. We hope to continue the dialogue in the interests of development and implementation relevant and effective programs for the farming people of Australia.

SECTION 1: COMMUNITY-BASED PROGRAMS

Program 1: 10 000 Steps Rockhampton

Program: 10 000 Steps I	Rockhampton					
Ownership	The project was funded by Q	ueensland Health and impleme	ented. The program was run by	y a team of researchers from C	Central Queensland	
-	University, The University of Queensland and the Queensland University of Technology in collaboration with members of the Rockhampton					
	community. The program was implemented by a Local Physical Activity Task Force (LAPTF) who worked with the community to develop and					
	implement strategies.					
Contact Address	Building 18					
	Central Queensland Universi	ty				
	Rockhampton, QLD, 4702					
	Phone: (07) 4930 6751					
	Fax: (07) 4930 9820					
Website	http://10000steps.org.au/					
General overview of	10 000 Steps Rockhampton v	vas a whole community health	promotion project aimed at in	creasing physical activity leve	ls. The program ran from	
program	2001 to 2003. The health be	nefits of physical activity are v	vell established and including 1	reduced risk of diabetes and ca	rdiovascular disease. The	
	program used pedometers as	a motivational tool to assist in	dividuals to increase their daily	y physical activity levels and e	ncouraged accumulation of	
	physical activity across the e	ntire day. The project used me	edia campaigns, GP's and local	health professionals, develop	ing infrastructure and a	
	micro-grant scheme to facilit	ate community awareness of the	he program $(1-3)$. The program	n continues via an interactive v	website. As of $5/6/08$ the	
	website indicated that it had	60 642 members in total and th	ney have logged 38 811 117 18	4 steps.		
Target population	All members of the Rockham	npton community				
Inclusivity	Yes.					
Specific Objectives	Objective 1					
	To design and implement a sustainable whole community intervention to increase physical activity levels.					
	· · · ·		· · · ·	.	•	
Interventions being	Local media campaigns:	Promotion of physical	Improving social support	Influencing local policy	Instituting a community	
promoted to	To raise awareness of the	activity through general	among disadvantaged	and environmental	micro grant scheme:	
achieve objective	now levels of physical	practice and other health	To work with community	Developing infrastructure	Guidelines were	
	(using padomators) profile	This strategy is guided by	northors in the health	to promote active living	implement a community	
	the program theme (10,000	the Active Practice	sport recreation and fitness	within the community (1	fund to support community	
	steps per day) profile	protocol To give general	sectors to provide	3)	based initiatives and	
	community role models	protocol. To give general	leadership for activity	5).	competitions to increase	
	and promote associated	health care professionals	programs targeting the		physical activity in local	
	activities (1-3).	the opportunities for	needs of disadvantaged and		neighborhoods, small	
		training to increase their	special needs groups (1-3).		workplaces and non-	
		skills in brief PA			government organizations	
		counseling to be provided			(1-3).	
		counsering, to be provided				

		protocols and materials to			
		support these efforts and to			
		be invited to trial an			
		asheres (1, 2)			
Evidence for	Laval of avidance – U	Scheme (1-5).	Level of avidance 0	I aval of avidance - I	
Evidence for	Level of evidence = Π	Level of evidence = 1	Level of evidence =0	Level of evidence = 1	
intervention being	(Review of experimental	(Review of fandomised and	No controlled studies	(systematic review of	
nitervention being	and quast experimental	triala)	assessing the effectiveness	KCIS)	
promoted	studies)	unais)	of interventions to increase	Inere is strong evidence to support onbanged	
	• Despite a nigh level of	• Professional advice and	identified (0)	access to places for	
	70%) mass modia	guidance with continued	Identified (9).	physical activity and	
	70%), mass media	support can encourage		information has the	
	impact significantly on	people to be more		appagity to increase	
	nipact significantly on	short to mid term More		physical activity levels	
	behavior (1)	research is needed to		within a community	
	Uchavioi (4).	establish which methods		(10)	
	I evel of evidence – III	of exercise promotion		(10).	
	(cohort study)	work best in the long-			
	• The mass media	term to encourage			
	campaign significantly	specific groups of			
	increased awareness of	people to be more			
	the physical activity	physically active (6).			
	message Additionally	Advice in routine			
	those people in the target	primary care			
	group who recalled the	consultations <i>is not</i>			
	media message where	<i>effective</i> in producing			
	2.08 times more likely to	sustained increases in			
	increase their physical	physical activity (7),			
	activity by at least one	BUT SEE ALSO			
	hour per week (5).	• Brief interventions by			
	_	General Practitioners			
		can increase physical			
		activity levels amongst			
		patients.			
		"Success of counselling			
		appears to be associated			
		with patients' readiness to			
		change and with providing			
		training for physicians in			
		counselling techniques.			
		Written exercise			
		prescriptions might further			

	improve outcomes."(8)				
Evidence of effectiveness of program in achieving object	 The primary outcome evaluation was a pre and post intervention computer assisted telephone interview (CATI) surveys of both Rockha comparison community Mackay QLD. The results are as follows (10). 1. 1% increase in the proportion of Rockhampton residents who were sufficiently active for health benefit between 2001 and 2002. 2. 7% decline in the proportion of Mackay residents who were sufficiently active for health benefit between 2001 and 2003. 3. 4% decline in the proportion of Rockhampton who were sufficiently active for health benefit between 2001 and 2003. 4. 5% increase in the proportion of Rockhampton women who were sufficiently active for health benefit between 2001 and 2003. 5. 9% decline in the proportion of Mackay men who were sufficiently active for health benefit between 2001 and 2003. 6. 4% decline in the proportion of Mackay women who were sufficiently active for health benefit between 2001 and 2003. 7. 3% increase in the proportion of Mackay women who were sufficiently active for health benefit between 2001 and 2003. 8. 3% decrease in the proportion of Mackay residents who were sufficiently active with any vigorous activity benefit between 200 9. 1% increase in the proportion of Rockhampton men who were sufficiently active with any vigorous activity benefit between 200 9. 1% increase in the proportion of Rockhampton men who were sufficiently active with any vigorous activity benefit between 200 9. 1% increase in the proportion of Rockhampton men who were sufficiently active with any vigorous activity benefit between 200 9. 1% increase in the proportion of Rockhampton women who were sufficiently active with any vigorous activity benefit between 200 9. 1% increase in the proportion of Rockhampton women who were sufficiently active with any vigorous activity benefit between 200 9. 1% increase in the proportion of Rockhampton women who were sufficiently active with an	mpton and its 3.)3. en 2001 and 01 and 2003.)01 and 2003. i 2001 and			
	12. 2% decrease in the proportion of Mackay women who were sufficiently active with any vigorous activity benefit between 2001 and 2003.				
Linkage to Primary Health services	The 10 000 Steps program was promoted through local GP's and health professionals.				
Follow-up of people Identified as at-risk	Not applicable				
Where are medical records held	Not application				
Problems identified in program					
Other comments	Due to the success of 10 000 Steps Rockhampton the program has been disseminated nation wide via a website. In a two year period from to March 2006 more than 18 000 people registered online (logging more then 8.5 billion steps) and almost 100 workplaces and 13 common implemented components of the program. In 2007 56.6% of Oueenslanders were aware of the 10 000 steps program, up from 42.5% in	om May 2004 nunities have 2006 (11).			

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- 3. 10 000 Steps Community Guide [online]. 2007 July [cited 2008 May 12]; Available from: URL: <u>http://10000steps.org.au/?page=lifestyles/community_guide</u>

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- 5. Bauman A, Bellew B, Owen N, Vita P. Impact of an Australian Mass Media Campaign Targeting Physical Activity in 1998. Am J Prev Med [serial online] 2001 [cited 2008 May 12]; 21(1):41-47. Available from: URL:<u>http://www.sciencedirect.com.ezproxy1.library.usyd.edu.au/science?_ob=ArticleURL&_udi=B6VHT-438KHWM-7&_user=115085&_coverDate=07%2F31%2F2001&_alid=758764136&_rdoc=1&_fmt=high&_orig=search&_cdi=6075&_sort=d&_docanchor=&view=c&_ct=1&_acct= C000008818& version=1& urlVersion=0& userid=115085&md5=f4bb712920913cad3d0aff771b6dba3a</u>
- 6. Foster C, H. M. (2005). Interventions for promoting physical activity. Chichester: Cochrane Database of Systematic Reviews: Reviews 2005 Issue 1 John Wiley & Sons, Ltd.
- Lawlor D, Hanratty B. The effects of physical activity advice given in routine primary care consultations: a systematic review. J Public Health Med [serial online] 2001 [cited 2008 June 5]; 23(3):[219 – 226]. Available from: URL:<u>http://opac.library.usyd.edu.au/search?/fJournal+of+public+health+medicine/fjournal+of+public+health+medicine/1,1,2,B/l856~b3141930&FF=fjournal+of+public+ health+medicine&2,,2,2,0/indexsort=</u>
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- 12. 10 000 Steps Working Paper Series Paper 5: Awareness of the 10 000 Steps Program Across Queensland in 2007. [online]. [cited 2008 Jan 11]; [15 screens]. Available from: URL: <u>http://10000steps.org.au/?page=lifestyles/reports#paper5</u>

Program: Dorrigo Active Community Project 2003 Ownership Mid North Coast Area Health Service. Initial funding was provided by The Rural Chronic Disease Initiative (RCDI) funded by Commonwealth Department of Health and Aging. **Contact Address** Jenny Preece Mid North Coast Area Health Service Morton Street Port Macquarie NSW 2444 Ph: (02) 6588 2949 Website No website The Dorrigo Active program was a whole population approach to health promotion. After community consultation (survey + 35 focus groups across General overview of all age groups) and it was decided that cardiovascular disease and hypertension was the major perceived chronic health issue and that a lack of program physical activity was the major contributing risk factor. Interventions implemented include; • 12 regular physical activity groups Supermarket nutrition tours. ٠ Revision of the Dorrigo High school sport selection. ٠ • Implementation of a weight watchers program • Pedometer bulk order to implement the 10 000 steps program. • Twenty exercise kits available on loan from the library. Two give me strength workshops – osteoporosis prevention. • Weekly winter aqua fitness. ٠ Men's Health Expo ٠ Fitness leader training for seven local community members. ٠ On completion of the program the majority of the activities were running independently (1-2). **Target population** Members of the Dorrigo community Inclusivity Yes. Program is open to all members of the community. **Specific Objectives** Objective 1 To lessen the incidence and consequence of hypertension and cardiovascular disease in the Dorrigo community. Increase the uptake of physical activity in the Support skill development at the local level. Improve overall health behaviors Interventions being promoted to Dorrigo community. achieve objective Level of evidence = I (systematic review of No evidence identified Level of evidence = I (systematic review of Evidence for randomised controlled trials.) randomised controlled trials.) effectiveness of intervention being • Physical activity is associated with • Dietary advice brings about modest beneficial changes in clinical indicators promoted improved clinical indicators / cardiovascular risk factors such as serum such as cholesterol and blood pressure over approximately 10 months but longer term lipids, blood pressure and fasting glucose (3). effects are not known (4).

Program 2: Dorrigo Active Community Project 2003

Evidence of	An evaluation report was completed by Dr Kim Webber, however a copy of this report was unable to be obtained.
effectiveness of	
program in	
achieving object	
Linkage to Primary	The program was run by the Mid North Coast Area Health Service.
Health services	
Follow-up of people	N/A
Identified as at-risk	
Where are medical	N/A
records held	
Problems identified	As the evaluation report was not available it has not been indicated whether the program was successful in reducing the incidence of cardiovascular
in program	disease and hypertension.
Other comments	Discussion with Jenny Preece (Rural Rehabilitation Clinician Network Project Officer)
	• The majority of the programs established during the project are ongoing and continue to attract community participation, these include Tai Chi,
	yoga (including a class specifically for men) pilates, aqua aerobics and walking groups.
	• Up to 30 community members attend classes, the majority are in the over 50 age group.
	• Of the 7 community members who completed their fitness training, 4 continue to provide health and fitness services to the community. The
	three individuals who relocated are working in the health and fitness industry in their new home.
	• The library fitness kits continue to be popular, particularly in the winter months. Kits include hand weights, a fitness video, a fit-ball and
	instructional information.
	• Ms Preece reported that sustainability was a key issue for consideration during the program.

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- New South Wales Health. Baxter 2003 New South Wales Health Awards Winners and Finalists [online]. 2004 Jan [cited 2008 May 21];[154 screens]. Available from: URL: <u>http://www.health.nsw.gov.au/pubs/2004/pdf/baxter_winners.pdf</u>
- 3. Shaw K, Gennat H, O'Rourke P, Del Mar C. Exercise for overweight or obesity (Review). Cochrane Database Syst Rev [serial online] 2006 Oct [cited 2008 Mar 26]; (4); [91 screens]. Available from:URL: <u>http://mrw.interscience.wiley.com/cochrane/clsysrev/articles/CD003817/frame.html</u>
- 4. Brunner EJ, Rees K, Ward K et al. Dietary Advice for reducing cardiovascular risk (Review). Cochrane Database Syst Rev [serial online] 2007 Oct [cited 2008 Mar 26]; (4); [90 screens]. Available from:URL: <u>http://mrw.interscience.wiley.com/cochrane/clsysrev/articles/CD002128/frame.html</u>

Program: Foundation 49 – Decades of	life health assessment program.
Ownership	Foundation 49 is funded through Cabrini Health.
Contact Address	Cabrini Institue
	183 Wattletree Road
	Malvern Vic 3144
	Ph: 03 9508 1567
	Email: admin@49.com.au
Website	www.49.com.au
General overview of program	A work place based health screening program for men tailored to specific age groups. The screening process involves both an online
	health assessment and a physical examination (1). Two levels of program for workplaces:
	1. In-house. Training company nurse or health professional to use <i>Decades of Life Program</i> and offering ideas on ways to promote
	the health assessment, including distribution of our information kit.
	2. Full Program. This includes access to the online <i>Decades of Life Program</i> with a Foundation 49 nurse who conducts individual
	appointments and provides unique reports – for the staff member and their GP.
	Also offer staff access to ongoing health information through the website, our newsletter and support from the Foundation 49 team.
Target population	Employers of males
Inclusivity	Men only
Specific Objectives	Object 1
	To reduce the number of men dying form preventable conditions through raising awareness and encouraging regular check ups.
Interventions being promoted to	Workplace health checks / screening for men.
achieve objective	Using <i>Decades of Life</i> approach, age-specific screens include:
•	Blood pressure
	• Height and weight (Body Mass Index)
	 Finger prick - blood sugar level, total cholesterol
	 Screening questions for a number of different conditions, depending, age and personal history
	General and tailored prevention information provided, and referral to GPs
Evidence for effectiveness of	Screening of Blood pressure. Cholesterol
intervention being promoted	Level of Evidence = I (Randomised Controlled Trials)
	See Red Book (2)
	Level of evidence = II (randomised controlled trial)
	• Workplace intervention involving supervised aerobic activity and weight training and health education seminars found a
	significant improvement in waist circumference and aerobic fitness (a substantial proportion of these effects were concentrated in
	one subject). However this study has multiple limitations and encountered substantial barriers to adoption and adherence (3).
	Level of evidence = III2 (Critical review of experimental and quasi-experimental research trials published between 2000 and 2004.)
	• Paper concluded "guarded, cautious, optimism about the clinical and/or cost effectiveness of worksite programs" focusing on
	health promotion and disease management. It should be noted that this study indicated that both the quality and quantity of
	studies into worksite health promotion has declined. It was hypothesized that this may be due to a reporting bias where by studies
	that do not demonstrate statistically significant results tend not to be published (4).

Program 3: Foundation 49 – Decades of life health assessment program

	 Level of evidence = IV A workplace based project involving community organizations and GPs in Bunbury, WA concluded that it was successful in engaging men in the concept of preventative health care and getting them to attend their GP. However following their appointment most men indicated they were instructed to lose weight and increase physical activity but were unsure how to go about making lifestyle changes to decrease their health risk (5).
Evidence of effectiveness of program in achieving object	No evaluation available.
Linkage to Primary Health services	Participants are strongly encouraged to have GP and referral letters and results for GPs are provided.
Follow-up of people Identified as at-risk	Not stated
Where are medical records held	Records are held by Foundation 49. Confidentiality is ensured as information does not contain any reference to individual people as names are not used.
Problems identified in program	This program may not suitable for use across a farming community as it would be difficult to screen large number of men in one location except on larger corporate enterpirses.
Other comments	The concept of age specific health screening may be beneficial, however evidence to support this intervention was not identified.

- 1. Foundation 49 Men's Health [online]. 2005 [cited 2008 May 7]; available from: URL: http://www.49.com.au/
- Royal Australian College of General Practitioners. Guidelines for preventative activities in general practice (Red Book) 6th Edition [online]. 2005 Sep [cited 2008 Jun 26];[104 screens]. Available from: URL: <u>http://www.racgp.org.au/guidelines/redbook</u>
- 3. Atlantis E, Chow C, Kirby A, Fiatarone Singh M. Worksite intervention effects on physical health: a randomised controlled trial. *Health Promt Int* 2006 Apr 4;21(3):191-200.
- 4. Pelletier K. A review and analysis of the clinical and cost-effectiveness studies of comprehensive health promotion and disease management programs at the worksite: update VI 2000-2004. *J Occup Environ Med* 2005 Oct;47(10): 1051-58.
- 5. Aoun S, Johnson L. Men's health promotion by General Practitioners in a workplace setting. Aust. J. Rural Health 2002 Dec;10(6): 268-272.

Program 4: Greater Green Triangle Diabetes Prevention Project

Program: Greater Gree	n Triangle Diabetes Prevention Project.				
Ownership	Funded by the Department of Health and Ageing through the National Dia	betes Prevention Initiative.			
	Study was conducted by The University Department of Rural Health (partnership between Flinders and Deakin University)				
Contact Address	GGT University Department of Rural Health				
	PO Box 423				
	Warrambool VIC 3280				
	Ph: +613 5563 3315				
Website	www.greaterhealth.org/				
General overview of	The Greater Green Triangle Diabetes Prevention Project is an intervention	study to evaluate the effectiveness of a lifestyle modification program in			
program	an Australian Primary Care setting to prevent Type II diabetes. The progra	am was implemented in the Greater Green Triangle (Hamilton, Horsham			
	and Mount Gambier), Victoria. The Program is designed for people at risk	x of developing Type II diabetes. The program involves completion of $6 x$			
	90 minute small group sessions focusing on diet and physical activity. Im	plementation of the program cost \$195 610 GST inclusive, an additional			
	\$160 000 was used to complete the necessary research and evaluation of the	ne program.			
larget population	Individuals at risk of developing Type II diabetes.				
Inclusivity	Study is open to males and females of all ages and ethnicity. The following	g exclusion criteria applied.			
	1. Pregnant.				
	2. Diagnosed with diabetes.				
	3. Myocardial infarction in the last three months.				
	4. Diagnosed mental disorder.				
Specific Objectives	5. AUDIT score >15 (alconol addiction)	Objective 2			
Specific Objectives	Objective 1	Objective 2			
	To evaluate the feasibility of the structured group program for lifestyle	To prevent the onset of Type II diabetes in high risk individuals.			
	modification in Australian Primary Care settings.				
Interventions heine					
interventions being	An intervention study involving 23/ individuals at moderate to high risk	A lifestyle modification program involving 6 90 minute sessions $(1,2)$.			
promoted to	of developing diabetes. Chinical measures were taken at baseline, 5	1. No more than 10% energy from rat.			
achieve objective	months and 12 months. Psychological measure where taken at baseline	2. No more then 10% energy from saturated fat.			
	and 12 months. No control group was used (1,2).	5. At least 15g/1000 Kcal libre.			
		4. Somm/day moderate mensity physical activity.			
	5. 5% reduction in body weight.				
Evidence for	Level of evidence = II randomized controlled trial	l			
effectiveness of	Two randomized controlled trials demonstrated a 58% decrease in the risk	of type 2 diabetes with lifestyle interventions compared to the control /			
intervention being	nlacebo group (3.4)	or type 2 diabetes with mestyle interventions compared to the control (
promoted					
Evidence of	Level of evidence = IV				
effectiveness of	The results of this study demonstrate that following completion of the diab	betes prevention program the risk of developing diabetes was decreased by			
program in	23 to 40%. Additionally, results demonstrated risk factors for cardiovascu	lar disease were improved. Also the results indicate that lifestyle			
achieving object	modification interventions carried in an Australian primary care setting are	e both successful in reducing the risk of type 2 diabetes and cost effective			
	(1,2).				

Linkage to Primary	Participants are recruited through their local medical practice and the intervention is run by nurses and allied health professionals within the local
Health services	area.
Follow-up of people	Individuals identified as at risk are referred to their GP and if eligible recruited into the program.
Identified as at-risk	
Where are medical	Not stated.
records held	
Problems identified	
in program	
Other comments	The information / experience gained from the Go For Your Life Diabetes Prevention Program and the Greater Green Triangle Diabetes Prevention
	Program was utilized in the development and implementation of the "Life" Program. The Life Program will be rolled out to over 25 000 Victorians
	over 50 years of age. The Life program has a specific accreditation process in order to become a certified provider / facilitator. All materials are
	provided by the program.

- 1. Greater Green Triangle University Department of Rural Health A Flinders and Deakin University Partnership. Final Project Report Greater Green Triangle Diabetes Prevention Project. <u>www.greaterhealth.org/resources/37</u>
- 2. Laatikainen T, Dunbar JA, Chapman A et al. Prevention of Type 2 Diabetes by lifestyle intervention in an Australian primary health care setting: Greater Green Triangle (GGT) Diabetes Prevention Project. BMC Public Health. 2007 September 19;7:249
- 3. Tuomilehto J, Lindstrom J, Eriksson JG et al. Prevention of type 2 diabetes mellitus by changes in lifestyle amongst subjects with impaired glucose tolerance. N Engl J Med. 2001 May 3;344(18):1343-50.
- 4. Diabetes Prevention Program Research Group. Reduction in the incidence of type 2 diabetes with lifestyle intervention or metformin. N Engl J Med. 2002 February 7;346(6):393-403.

Program 5: Go For Your Life Diabetes Prevention Program

Program: Go For Your	Program: Go For Your Life Diabetes Prevention Program						
Ownership	Victorian Department of Hur	man Services					
Contact Address	Liza Culleney = (03) 90965117						
	Victorian Government Depar	rtment of Human Services					
	Public Health Division						
Website	http://www.health.vic.gov.au	<u>u/phtopics/</u> or http://goforyourlife	e.vic.gov.au/				
General overview of	The diabetes prevention prog	gram is a randomised controlled t	rial which aims to identify ind	ividuals with pre-diabetes and p	provide an intervention in		
program	the form of a lifestyle behavi	ior change intervention (Healthy	Living Course) to support lifes	tyle changes and reduce the ris	k of progression to Type 2		
	diabetes. The Healthy Living	g Course involves one individual	and 6 group sessions over 6 m	onths addressing weight manag	gement, physical activity,		
	healthy eating, motivation an	nd goal setting. Participants are f	followed up at 9 and 12 months	. Aboriginal populations weer	e a target group for this		
-	pilot (1).						
Target population	Males and females suffering	from pre-diabetes (impaired glue	cose tolerance).				
	Yes. The program targets ov	ver 50 year olds and 1s also tailore	ed to the needs of an indigenou	is population.			
Specific Objectives	Objective I	Objective 2	Objective 3	Objective 4	Objective 5		
	To improve detection of	To provide evidence based	To improve service	To develop and implement	To evaluate the		
	pre-diabetes in high risk	intervention (healthy living	coordination for people	a set of resources (inclusive	implementation and		
·	individuals in three pilot	course) for people identified	identified with pre-diabetes	of the broad range of people	health outcomes of an		
	sites, with a catchment of	with pre-diabetes in the pilot	in the pilot catchments.	within pilot site	evidence-based		
	approximately 100 000	catchments.		communities) to facilitate	intervention for people		
	people per site.			desired changes for people	with pre-diabetes in a		
				with pre-diabetes.	community-based		
					setting.		
Interventions being	Opportunistic risk factor	Lifestyle behavior change		The pilot site communities	Evaluation not		
promoted to	assessments (resource not intervention (reality Living included Chinese, Anglo- available). Individuals				available.		
achieve objective	identified as high risk	Lourse) in a community		Australian and Aboriginal			
	using NHMPC criteria	based setting.		populations as well as both			
	referred to GP for			rural and metropolitan			
	pathology screening.			communities.			
Evidence for	Level of evidence = II (Randomized controlled trial)						
effectiveness of	• Two randomized controlled trials demonstrated a 58% (Cohort study)						
intervention being	decrease in the risk of type 2 diabetes with lifestyle This study highlighted the						
promoted	interventions compared to the control / placebo group (2-						
	3).			differences in the			
				manifestation of pre-			
				diabetes in a Chinese and			
				Anglo-Australian sample.			
				This highlights the need for			
				specific approach to			

	diabetes prevention programs, tailored to the target population (4)
Evidence of effectiveness of program in achieving object	Evaluation to be completed by December 2008. Qualitative feedback has been positive.
Linkage to Primary Health services	Participants are recruited through their General Practitioner. GPs perform pathology test to identify the presence of impaired glucose tolerance (pre- diabetes) and then refer for participation in the program.
Follow-up of people Identified as at-risk	Individuals identified as high risk through screening are referred to GP for pathology to identify those suffering from impaired glucose tolerance (pre-diabetes).
Where are medical records held	Not stated.
Problems identified in program	
Other comments	The program is also tailored to meet the needs of an indigenous population. The information / experience gained from the Go For Your Life Diabetes Prevention Program and the Greater Green Triangle Diabetes Prevention Program was utilized in the development and implementation of the "Life" program. The Life program will be rolled out to over 25 000 Victorians over 50 years of age. The Life program has a specific accreditation process in order to become a certified provider / facilitator. All materials are provided by the program.

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- 3. Diabetes Prevention Program Research Group. Reduction in the incidence of type 2 diabetes with lifestyle intervention or metformin. N Engl J Med. 2002 February 7;346(6):393-403.
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Program 6: Healthy Men Ballarat

Program: "Healthy Me	n" Ballarat			
Ownership	Ballarat and District Division of Ger	eral Practice.		
Contact Address	105 Webster St			
	Lake Wendouree, VIC 3350			
	(03) 5331 6303			
	http://www.bddgp.org.au			
Website	Not available			
General overview of	A workplace based health and well-t	being screening program for men. Thi	s program targets male blue collar wo	rkers The program involves a
program	questionnaire relating to general heat	Ith and well-being, a basic health chec	k including blood pressure and choles	terol, a referral to an appropriate
	health professional if required and ac	ditional health information. Participa	nts were offered free immunization.	A second assessment was conducted
	nree months later. The program inv	olved a multi-disciplinary team includ	ing Registered Nurses, a General Prac	ctitioners and Men and Family
Target population	Mala blue collar workers			
Inclusivity	No males working in blue collar ind	ustries Exclusive on the basis of gen	der and occupation	
Aim / Goal of	To develop a work-place based mode	el for encouraging increased participat	ion of men in matters of health and w	ell-heing
program				en oonig.
Specific Objectives	Objective 1	Objective 2	Objective 3	Objective 4
	To provide opportunities for men	To raise awareness and inform	To increase levels of interaction	To identify strategies and
	to access health information and	men about health and wellbeing	for men with health and social	processes to engage men and
	health assessments in their	issues.	services.	workplaces.
	workplace.			
Interventions being	Taking a health and well-being scree	ening programs to at risk men (blue co	llar workers) at their workplaces. This	s screening involves Registered
promoted to	Nurses, a General Practitioners and I	Men and family relationships workers.	Men are referred to other health work	kers such as physiotherapists, GP's
achieve objective	and dieticians as necessary.			
Evidence for	Level of evidence = Π	·	- 525 man from different in horte	
intervention being	identified as high risk of developing	diabates and where referred to their G	\mathbf{P}_{1} \mathbf{P}_{2}	sited their CD. The project
nromoted	concluded that it was successful in e	ngaging men in the concept of prevent	ative health care and getting them to a	attend their GP However following
promoteu	their appointment most men indicate	d they where instructed to lose weight	and increase physical activity but we	re unsure how to go about making
	lifestyle changes to decrease their he	alth risk (4).	and mercuse physical activity sat we	
	Level of evidence = II (Randomized	controlled trial)		
	Workplace intervention involving su	pervised aerobic activity and weight the	aining and health education seminars	found a significant improvement in
	waist circumference and aerobic fitn	ess. However this study has multiple	limitations and encountered substantia	l barriers to adoption and adherence.
	Additionally, only 73 (6.4%) employ	vees agreed to participate and only 44	completed the intervention (3).	
		\ \		
	Level of evidence = 1 (critical review Critical review of even or important and the set of the se	W)	ished hotwoon 2000 and 2004 Deven	an aludad "guardad agutiou-
	optimism about the clinical and/or of	juasi-experimental research trials public st effectiveness of worksite programs	" focusing on health promotion and di	sease management. It should be
	noted that this study indicated that be	oth the quality and quantity of studies	into worksite health promotion has de	clined. It was hypothesized that this
	noted that this study indicated that be	oth the quality and quantity of studies	into worksite health promotion has de	clined It was hypothesized that this

	may be due to a reporting bias where by studies that do not demonstrate statistically significant results tend not to be published (5).
Evidence of	Level of evidence = IV
effectiveness of	Three workplaces participated in the program and a total of 68 men between the ages of 20 and 64 where screened. A total of 32 men (47%)
program in	required a referral to a health professional for further testing. 52 men returned for their follow up visit. A small improvement in health statistics
achieving object	where observed at the 3 month follow up. There were marked improvements in levels of physical activity and smoking behaviors. Qualitative
	feedback from both participants and employers was overwhelmingly positive with 88% of participants reporting that the program had made them
	more aware of their health and well-being.
Linkage to Primary	Men identified as being at risk are referred to appropriate health professionals in the area for further treatment. Collaboration with Ballarat
Health services	Community Health, Ballarat University and Ballarat and district division of general practice.
Follow-up of people	Yes. Individuals identified as at risk are referred to the appropriate health professional and then followed up at the 3 month health screening.
Identified as at-risk	
Where are medical	Not stated.
records held	
Problems identified	It may be difficult to implement this program in a rural / farming community due to geographical isolation of workers.
in program	
Other comments	There appears to be a lack of high quality studies investigating the effectiveness of work based health screening.

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- 3. Atlantis E, Chow C, Kirby A, Fiatarone Singh M. Worksite intervention effects on physical health: a randomised controlled trial. Health Promt Int 2006 Apr 4;21(3):191-200.
- 4. Aoun S, Johnson L. Men's health promotion by General Practitioners in a workplace setting. Aust. J. Rural Health 2002 Dec;10(6): 268-272.
- 5. Pelletier K. A review and analysis of the clinical and cost-effectiveness studies of comprehensive health promotion and disease management programs at the worksite: update VI 2000-2004. J Occup Environ Med 2005 Oct;47(10): 1051-58.

Program 7: Heart Foundation Walking

Program: Heart Founda	tion Walking previously Just Walk It (as of 7/12/07 changed to Heart Foundation Walking)		
Ownership	Developed by the Australian Heart Foundation and the School of Human Movement Studies at the University of QLD. Individual programs are		
	owned and implemented by local community members / groups.		
Contact Address	State specific contact details are available from the below mentioned website.		
	Ph: 1300 36 2787		
Website	http://www.heartfoundation.org.au/Healthy_Living/Physical_Activity/Walking.htm		
General overview of	Heart Foundation Walking is a free community based group walking activity. The program is designed to overcome common barriers to physical		
program	activity such as cost, safety, proximity and no one to be active with. The Heart Foundation in partnership with local communities is setting up		
	walking groups across Australia. These groups are run by area coordinators and volunteer Walk organizers who work together to recruit walkers and		
	establish groups in their local area. Walk organizers are provided with training and resources from the Heart Foundation. Population specific		
	walking groups such as mothers groups, groups for people with heart conditions etc. are available in some areas. Participants are required to register		
	and incentives to continue to attend regularly are provided and include discounts on merchandise etc (1).		
larget population	All, in a town, community setting		
Inclusivity	Only excluded by distance		
Specific Objectives	Objective 1		
	To increase participation in regular physical activity.		
Interventions being	Implementation of a free community based welking program which offer incentives for continued participation		
niterventions being	Implementation of a free community based warking program which offer incentives for commuted participation.		
achieve objective			
Evidence for	Level of evidence = II (Two randomized controlled trials)		
effectiveness of	• Walking decreases coronary risk factors and improves functional canacity in middle aged to older adults (2-3)		
intervention being	• Warking decreases coronary risk ractors and improves runctional capacity in middle aged to order addits (2.5).		
promoted	Level of evidence = I (Systematic review of both randomised controlled trials and non-randomised controlled trials)		
•	• This review indicates that interventions promoting walking have the capacity to increasing walking among participants by 30-60 mins per week		
	on average in the short term. However the review highlighted the fact that different people respond to different intervention methods (for		
	example group based, community based, internet) depending on their circumstances. Additionally, few studies in this review found unequivocal		
	improvements in health and disease risk factors (4).		
Evidence of	Level of evidence = III (Preliminary results from a Longitudinal impact evaluation)		
effectiveness of	• Just Walk It demonstrated a 6 month retention rate of 80%.		
program in	• Just Walk It attracts and retains population groups that have been identified as least likely to participate in sufficient physical activity. These		
achieving object	include		
	- Women (80%)		
	- Older people (61% over 45 and 25% over 65)		
	- People who are overweight (36%)		
	- People who are obese (25%)		
	- People of lower socioeconomic status (38%)		
	• At baseline 50% of participants were sufficiently active, this increased to 63% at 6 months.		
	 Overall conclusions from the preliminary results are; Just walk it has been successful at: 		

	1. Reaching populations who are least likely to participate in physical activity.
	2. Increasing physical activity levels among these populations.
	3. Sustaining their participation in a physical activity program (5)
Linkage to Primary	There is no formal linkage to Primary Health Services. During registration, it is recommended participants consult their doctor prior to becoming
Health services	more physical active, however this is not a requirement of registration.
Follow-up of people	N/A
Identified as at-risk	
Where are medical	N/A
records held	
Problems identified	
in program	
Other comments	Despite telephone calls to the Heart Foundation and the researchers a copy of the complete evaluation report was not received.

- 1. The Heart Foundation. Heart Foundation Walking. [online] [2008 Jan?][cited 2008 May 25]. Available from: URL:<u>http://www.heartfoundation.org.au/Healthy_Living/Physical_Activity/Walking.htm</u>
- 2. Tully M, Cupples M, Hart N et al. Randomized controlled trial of home-based walking programs at and below current recommended levels of exercise in sedentary adults. J Epidemiol Community Health [serial online] 2007 [cited 2008 Jun 3]; 61:778-783. Available from: URL:http://jech.bmj.com.ezproxy1.library.usyd.edu.au/cgi/content/full/61/9/778?maxtoshow=&HITS=10&hits=10&RESULTFORMAT=&author1=M+Tully&fulltext=Ra ndomised+controlled+trial+of+homebased+walking+programmes&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&sortspec=relevance&volume=61&firstpage=778&resourcetype=HWCIT
- Tully M, Cupples M, Chan W et al. Brisk walking, fitness and cardiovascular risk: A randomized controlled trial in primary care. Prev Med [serial online] 2005 Aug [cited 2008 Apr 4]; 41(2):622-628. Available from: URL:http://opac.library.usyd.edu.au/search?/fPreventative+Medicine/fpreventative+medicine/-3,0,0,B/l856~b2860189&FF=fpreventive+medicine&2,2,1,0/indexsort=-
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- 5. Foreman R, Walsh A, Brown W et al. 'Just Walk It': A Physical Activity Success Story, Preliminary Results from a Comprehensive Longitudinal Impact Evaluation. Poster Presentation at the 18th World Conference on Health Promotion and Health Education; 2004 Apr 26-30; Melbourne, Australia.

Program 8: Heartmoves

Program: Heartmoves				
Ownership	The Heart Foundation. This program is implemented by accredited health and fitness professional in the local area.			
Contact Address	State and area specific contact addresses can be found at URL:http://www.heartfoundation.org.au/Contact_Us.htm			
Website	http://www.heartfoundation.org.au/heartmoves			
	The aim of the Heartmoves project was to develo	p and implement an innovative and sustainable ex	ercise program that met the needs of older clients,	
	particularly those with, or at risk of cardiovascula	ar disease, which was acceptable to both the fitness	s industry and referring health professionals.	
	<i>Heartmoves</i> is designed to provide low to moderate	ate intensity exercise programs suitable for both th	e general population and individuals who suffer	
	from heart conditions, diabetes, arthritis, lung con	nditions, chest conditions, high blood pressure, hig	th cholesterol, obesity, depression etc. The	
Conoral averations of	Heartmoves program comes in various forms which	ich can include aqua aerobics, aerobics, resistance	training, stretching and balance class's yoga etc.	
General overview of	All programs are delivered by specially trained an	nd accredited health and fitness professionals. Pro	begrams are available nationally through health and $\left(1,2\right)$	
Torget population	Inthess centers and community venues such as reg	gistered clubs, YMCA, PCYC and community nail	8 (1-5).	
	Under adults.			
Specific Objectives	Objective 1	Objective 2	Objective 3	
Specific Objectives	Objective 1	Objective 2	Objective 5	
(specific objectives	To provide a physical activity program suitable	To provide a physical activity program that is	To provide GP's and health professionals with	
for the program are	for both the general population and special	easily implemented by local health and fitness	a safe, appropriate referral option for clients	
not stated)	populations, such as individuals with	centers and community organizations there-by	who would benefit from increasing their	
	cardiovascular disease or diabetes, that is safe,	increasing the proportion of low to moderate	physical activity levels.	
	sustainable and effective in reducing risk	intensity exercise classes offered.		
	factors for chronic filness.			
Interventions being	1. Low to moderate intensity physical activ	vity classes supervised by accredited health and fit	ness professionals.	
promoted to	2. Heartmoves training workshops which i	nclude provision of a training manual, safety guide	elines and pre-exercise assessment form.	
achieve objective	3. Workshops for GP's, allied health professionals and fitness centre managers.			
	4. Marketing, including demonstrations and presentations, direct promotion to general practitioners, newspaper articles, posters, pamphiets, t-			
Evidence for	Sints cu. Level of evidence – II (two randomised controlled trials)			
effectiveness of	• Exercise based cardiac rehabilitation is effective	e in reducing cardiac deaths and all cause mortalit	v and improves a number of primary risk factors	
intervention being	(4, 5).			
promoted				
	Level of evidence = II (two randomized controlled trials)			
	• Moderate intensity physical activity is sufficier	nt to increase aerobic fitness and reduce risk factor	s for metabolic syndrome. There is conflicting	
	evidence as to whether vigorous or moderate intensity exercise is more effective in reducing the risk of cardiovascular disease (6,7)			
	Level of evidence = Π (randomized controlled tri	al)	1 1 1 / / 111 1 1	
	• A 20 week low intensity community based exercise program significantly improved dynamic balance, lower body strength and blood pressure in			
	older adults. The program did not impact on upper body strength, body composition and fat distribution, 20m walk and cardiovascular endurance			
Evidence of	An evaluation of the <i>Heartmoves</i> program was or	onducted in NSW from The results are as follows		
effectiveness of	1. 400 individuals enrolled in the <i>Heartmoves</i> program was en	orgram in the 9 months following the public launch	with 80% retainment at 6 months. 24% of these	
program in	clients reported an existing recent cardiovascular disease or diabetes.			

achieving object	2. 63% of fitness leaders who participated in the training programs subsequently provided a <i>Heartmoves</i> class.				
	3. 137 local health professionals attended the <i>Heartmoves</i> workshops.				
	4. 78% of fitness centres in the Hunter offered <i>Heartmoves</i> nine months after the launch.				
	5. Significantly higher proportion of fitness centres offering low to moderate intensity classes.				
Linkage to Primary	A workshop for Health care workers was provided. Participants considered high risk are required to obtain medical clearance prior to participation.				
Health services	Health professionals are able to refer patients to the <i>Heartmoves</i> program. The <i>Heartmoves</i> program provides a health professional fax-back form to				
	allow Heartmoves leaders to send information back to GP's and Allied Health professionals.				
Follow-up of people	A pre-exercise assessment form is completed by participants to identify individuals at increased risk and there fore in need of medical clearance prior				
Identified as at-risk	to participation.				
Where are medical	N/A				
records held					
Problems identified					
in program					
Other comments					

- 1. Heart Foundation.. Heartmoves Exercise Program [online]. [cited 2008 May 8]. Available from: URL:http://www.heartfoundation.org.au/Professional_Information/Lifestyle_Risk/Physical_Activity/Heartmoves.htm
- 2. New South Wales Department of Health. Heartmoves [online]. 2004 March [cited 2008 May 8]:[4 screens]. Available from: URL: http://www.health.nsw.gov.au/pubs/h/pdf/heart030286.pdf
- 3. New South Wales Department of Health. Heartmoves [online]. 2004 March [cited 2008 May 8]:[72 screens]. Available from: URL:http://www.health.nsw.gov.au/pubs/h/pdf/heart030285.pdf
- 4. Jolliffe J et al. Exercised based rehabilitation for coronary heart disease (Review). Cochrane Database Syst Rev [serial online] 2001 January 22 [cited 2008 May 8];(1):[65 screens]. Available from: URL:http://mrw.interscience.wiley.com/cochrane/clsysrev/articles/CD001800/pdf_fs.html
- 5. Taylor RS et al. Exercised based rehabilitation for patients with coronary heart disease: systematic review and meta analysis of randomised controlled trials. Am J Med 2004; 116:682-92.
- 6. Duscha B et al. Effects of exercise training and amount and intensity on peak oxygen consumption in middle age men and women at risk for cardiovascular disease. Chest [serial online] 2005 Oct [cited 2008 May 8]; 128(4):[2788-93]. Available from: URL:http://opac.library.usyd.edu.au/search?/fChest/1,8,10,B/l856~b2645765&FF=fchest&2,,3,1,0/indexsort=-
- 7. Johnson J. et al. Exercise training amount and intensity effects on metabolic syndrome (from studies of a targeted risk reduction intervention through defined exercise). Am J Cardiol [serial online] 2007 Dec [cited 2008 May 8];100(12):[1759-66]. Available from: URL: <u>http://www.mdconsult.com.ezproxy2.library.usyd.edu.au/das/article/body/94496797-</u> <u>3/jorg=journal&source=MI&sp=20206243&sid=704718743/N/622131/1.html?issn=0002-9149</u>
- 8. Kolbe-Alexander T, Lambert E, Charlton K. Effectiveness of a community based low intensity exercise program for older adults. J Nutr Health Aging 2006 Jan/Feb;10(1):21-29

Program 9: Men's Shed

Program: Men's Shed				
	Each individual Men's Shed is ow	ned by the community that founded	l it. Menshed Australia Ltd. Is a not	t-for-profit Australian public
Ownership	company and registered health promotion charity that assists in the development and running of Men's Shed's in Australia.			
	PO Box 6599 Paramatta, NSW Au	ıstralia 2150		
Contact Address	Phone: 02 8213 8699			
Website	http://www.mensheds.com.au/			
General overview of	Men's Shed aim to address issues	of men's health, physical, emotiona	al and social within a community. A	A community Men's Shed provides
program	place for men to participate in a ra	inge of activities such as woodwork	ing and mentoring programs. The p	orinciples of a Men's Shed are
	1. Health and well being of men.			
	2. Men's activities.			
	3. Sustainability.	· · · · · · · · · · · ·		
Torrect nonvelotion	Men's Sheds address growing men	n's health issues such as loneliness,	isolation and depression (1).	
	Ivien of all ages.	a small number of famala marshare		
Specific Objectives	Object 1	Object 2	Object 3	Object 4
Specific Objectives	Object I	Object 2	Object 5	Object 4
	To address the issues of men's	To engage the elderly,	To support the social interaction	To share, disseminate and
	social well being) in the	unterently-abled, youth,	of men in transitional periods	interests that are relevant to the
	community	men of the communities in both	Retirement III Health	community
	community.	rural Australia and urban	Relocation Respite Care):	community.
		Australia and to specifically	Refocution, Respite Cute),	
		address any issues of isolation.		
		loneliness and depression;		
Interventions being	Development of an informal meet	ing place (Shed) within the commu	nity for men of all ages to meet and	participate in a range of activities
promoted to achieve	such as wood working, car restora	tion etc.		
objective				
Evidence for effectiveness				
of intervention being				
promoted				
Evidence of effectiveness of	There is an absence of literature /	evidence as to the impact of a Men'	s Shed on health outcomes such as	cancer and cardiovascular disease.
program in achieving object	Evaluations completed are focused	d on learning and skill acquisition.	A summary of key points from this	evaluation are as follows.
	• Men's Sheds are successful in attracting older men, many of which are facing issues associated with significant change such as			
	ageing, health, retirement	t and isolation.		
	• They provide mate ship a	ind a sense of belonging through po	sitive and therapeutic informal activ	vities. Men's Shed achieve
	positive health, happiness and well being outcomes for men who participate.			
	 Men's Shed confirm the preferences of older men for hands on, practical learning styles. 			
	 Men's shed have more to do with non-vocational benefits and rarely provide direct vocational pathways to future paid work. 			
	Being heavily reliant on	volunteers, Men's Sheds often strug	gle to cope with initial set up costs	and regulations. Despite this,
	Men's Sheds continue to grow in number (2).			

	There is some evidence that men are referred to Men's shed by health care providers, predominately mental health, however there is no
Linkage to Primary Health	formal process / linkage.
services	
Follow-up of people	N/A
Identified as at-risk	
Where are medical records	
held	N/A
Problems identified in	
program	No formal evaluation of the program was identified.
Other comments	There is evidence to suggest that the majority of Men's Shed members reported a recent significant event or difficult time for example a
	health issue, relationship breakdown or recent retirement.
	The evidence suggests that Men's Sheds are used more frequently as a way of addressing psychological issues as opposed to physical
	health problems.

- 1. Men's Shed Australia: Helping Men's Shed Startup [online]. 2007 [cited 2008 May 23]. Available from: URL: <u>http://www.mensheds.com.au/index.php?id=28</u>
- 2. Golding B, Brown M, Foley A et al. Men's sheds in Australia: Learning through Community Contexts. National Centre for Vocational Education Research [online]. 2007. Available from: <u>URL:http://www.ncver.edu.au/publications/1780.html</u>

Program 10: Pit Stop

Program: Pit Stop				
Ownership	Gascoyne Public Health Unit.			
	MidWest Community Drug Service Team (Gascoyne)			
	WA Country Health Services			
	PO Box 733			
	CARNARVON 6701			
Contact Address	08 9941 0494			
	http://www.cucrh.uwa.edu.au/projects/Pit Stop.html or			
	http://www.wacountry.health.wa.gov.au/default.asp?documentid=	613		
Website				
General overview of program	Pit Stop is a men's health screening program housed within a mech	anical metaphor. The screening program includes basic health		
1 0	assessments such as blood pressure and waist to hip ration to ident	ify possible health risks / concerns and encourage men to take an		
	interest in preventative health. On completion of the screening me	en are issued with either a registration sticker (pass) or a vellow		
	sticker (fail). The men are provided with a work order form which	gives details of their performance in each of the tests and		
	provides basic health advice / recommendations $(1-2)$.	8		
Target population	Males. However some areas have implemented modified programs targeting both men and women.			
Inclusivity	Gender specific targeting males.			
Specific Objectives	Object 1	Object 2		
	To address the disperity in man's health issues	To reduce the incidence of movements his illness emenget men		
	To address the disparity in men's health issues.	To reduce the incidence of preventable filness amongst men		
Interventions being promoted to	1. Applying a masculine, humorous concept to mobile men's	2. Tests that screen for lifestyle factors that impact on disease		
achieve objective	health screening tests to encourage men to take an interest in	risk including;		
	preventative health and there fore address the inequality in men's	2.1 Waist to hip ratio (4-8).		
	health.	2.2 Trunk flexion test (9-12).		
		2.3 Smoking quiz (13-16).		
		2.4 Alcohol intake quiz (17-18).		
		2.5 Blood pressure measurement (19-20).		
		2.6 Testicular self examination quiz (21).		
		2.7 Skin self examination (22-25).		
Evidence for effectiveness of	Level of evidence = V (Descriptive study)	Please see table below.		
intervention being promoted	There is some evidence to suggest applying a masculine			
······	component to health programs perpetuates traditional gender			
	roles marginalizes some groups of men and there fore reinforce			
	negative health behaviors (3)			
Evidence of effectiveness of	Level of evidence = IV			
program in achieving object	The evaluation of the Pit Ston Program covered three areas:			
program in achieving object	1 A review of Pit Stop delivery using semi-structured interviews with coordinators of Pit Stop in three sites			
	• The overall response from the coordinators was	nositiva. Coordinators raised some concerns in the gross of		
	• The overall response from the coordinators was positive. Coordinators raised some concerns in the areas of,			
	- Difficulties with staff recruitment The stations (tests) used and whather they were empropriate			
	- The stations (tests) used and whether they were appropriate.			

	- The indices used and whether they remain best practice.
	- How to deliver consistent feedback.
	- How to best evaluate the program.
	2. A review of Pit Stop "Work Order" forms focusing on the quality of documentation, the age of the men screened and frequency of men achieving the health norm determined by the work order sheet.
	 Some inconsistencies were noted in recording between sites, with smoking, skin cancer and testicles being the most poorly recorded stations.
	• It was noted that when participants results where not recorded they were given a pass.
	 Conversely there was some evidence of participants meeting the norm and yet being given a fail. A telephone survey to assess recall and behavior change.
	• Reported changes in behavior as a result of attending Pit Stop ranged from 25% to 50%.
	• Losing weight, improving their diet, reducing / stopping smoking and reducing / stopping drinking were the most common reported behavior change.
	• The number of men who reported visiting a GP or health professional following Pit Stop ranged from 10% to 40%.
	• The qualitative feedback from participants was generally positive with men reporting they would prefer to attend Pit Stop due to the easy going and sociable environment.
	As a result of the evaluation of the Pit Stop a number recommendations where made to improve the delivery of the program, the
	accuracy of the recording and to ensure all tests / indices used are best practice (26).
	As a result of this evaluation, Pit Stop has been revised and a 2007 edition is available which included Extractor (colorectal cancer) and shock absorbers (coping skills). The new edition also includes a Apprenticeship training (facilitator training). East Track Pit
	Stop (for those with limited time available and Inside Pit Stop for use in a custodial setting
Linkage to Primary Health	The program has no formal linkage to primary health care services. However, in most cases the screening program is conducted by
services	local health care workers such as nurses, doctors and allied health professionals.
Follow-up of people Identified as	Individuals who fail the
at-risk	
Where are medical records held	
Problems identified in program	
Other comments	

Objective	Evidence	
2.1 Measurement of waist	Level of evidence = III (Collaborative cohort study)	A. No high quality studies
to hip ratio to screen for	• A linear relationship was observed between waist to hip ratio and all cause mortality in both men and women	were identified however, the
abdominal obesity and	(4).	available evidence suggests
there fore identify		that both waist to hip ratio
individuals at risk of	Level of evidence = III (Cross sectional survey / stratified cluster sample)	and waist circumference are
metabolic complications.	• Waist to hip ratio is the most useful measure of obesity to use to identify individuals with CVD risk factors (5).	good predictors of disease
		risk.
	Level of evidence = III (Cross sectional analysis of a an age sex stratified sample)	
	• Obesity assessed by waist to hip ratio is a better predictor of CVD and CHD mortality than waist circumference,	
	which, in turn is a better predictor than BMI (6).	

	 Level of evidence = III (Meta analysis of prospective cohort studies and randomized controlled trials) Waist to hip ratio and waist circumference are significantly associated with the risk of incident CVD events (7). Level of evidence = III (Cross sectional cohort study) Waist to hip ratio is the best predictor for diabetes, dyslipidemia and absolute CDD risk in Australian Aboriginal people and Torres Strait Islanders (8). 	
2.2 Trunk flexion test to	Level of evidence =III ?	C. No high quality studies
measure flexibility in the	• Results from this study indicate that the sit and reach test is not related to lower back pain (9).	were identified. Also there
lower back and hamstrings		appears to be a number of
to identify individuals at	Level of evidence =	variations of this test. The
lower limb injury.	• Some sit and reach protocols may be more accurate then others, nowever overall sit and reach tests are moderately valid measures of hamstring flexibility and poorly related to low back flexibility (10)	ability of the sit and reach
lower mile injury.	moderatery valid measures of namsuring nexionity and poorly related to low back nexionity (10).	test to identify individuals
	Level of evidence = III (Cohort study)	with reduced flexibility in
	• Medium to low levels of flexibility as assessed by a sit and reach test was significantly related to occupational	their lower back and
	injury (11).	hamstrings and the
	Level of avidence – III (Longitudinal study)	reduced flexibility and back
	 Hamstring flexibility was not a predisposing factor for lower back pain (12) 	pain is inconsistent.
2.3 Smoking	Level of evidence = I (Review cited in US Surgeon General's Report)	There is irrefutable evidence
questions/quiz to identify individuals that smoke and discuss the benefits of quitting.	• Smoking harms nearly every organ in the body, causing many diseases and reducing the overall health of smokers. Quitting smoking has immediate and long term health benefits such as reducing their risk of smoking related disease and improving general health (13).	pertaining to the dangers of smoking and the health benefits of quitting. However the evidence to
	Level of evidence = I (Systematic review of randomized controlled trials)	support the effectiveness of
	• There is little evidence that community based interventions reduce smoking among adults (14).	brief interventions provided
		by health care professionals
	Level of evidence = I (systematic review of randomized controlled trials) P_{rest} = P_{rest} = P	conclusive
	• Brief advice interventions provide by physicians can increase quitting by 1-5% (15).	conclusive.
	Level of evidence = I	
	There is evidence to support the effectiveness of brief, opportune smoking cessation advice delivered by health care	
	professionals (GP's and nurses). The evidence indicates that such interventions can increase both the number and	
	success of quit attempts (16).	D'a de la c
2.4 Completion of "The Drinkcheck Quiz" (based	Level of evidence = V • The Australian guidelines for elected consumption recommend that man consume no more the 4 standard	Pit Stop recommendations
on Audit) to identify	drinks per day and have 1-2 alcohol free days per week (17)	Australian standards for
individuals level of risk in		alcohol consumption by
relation to their current	Level of evidence = III (Systematic literature review)	men.
alcohol consumption.	• The Alcohol Use Disorder Identification Test (AUDIT) is a reliable, valid and practical method of screening for	There has been no formal
	a broad spectrum alcohol use disorders in various setting and with diverse populations. (18).	evaluation of the Pit Stop
		Drink Cneck quiz.

2.5 Blood pressure assessment to identify individuals at increased	 Level of evidence = I (systematic review of randomized controlled trials, observational studies and systematic reviews) Hypertension contributes to cardiovascular disease morbidity and mortality. The evidence supports blood 	
risk of heart attack, stroke CHF and kidney failure.	pressure screening and appropriate intervention in adult populations (19).	
Normal = <140 or <90	Level of evidence = V (WHO and ISH guidelines for the management of hypertension)	
Borderline = 140 to 160 or 90-95 High = >160 or >95	• Recommend assessment of likelihood of developing a major cardiovascular event within the next 10 years using both blood pressure measurement and the identification of additional risk factors such as age, smoking status, obesity etc. Individuals are then classified as low, medium or high risk (20).	
	Grade $I = SBP 140-159$ or DBP 90-99 Grade $2 = SBP 160, 170$ or DBP 100, 100	
	Grade $2 = SBP 100-1/9 \text{ of } DBP 100-109$ Grade $3 = SBP 180 \text{ or } >110$	
2.6 Discussion and	Level of evidence = V (Position statement of the Australian Cancer Council)	No evidence to either
information related to regular testicular self examination to assist in the early detection of testicular cancer.	 The Australian Cancer Council encourages men to become familiar with their testicles and immediately see their doctor id\f they notice any changes. Men with risk factors for testicular cancer should regularly check their testicles. The Cancer Council does not endorse regular testicular self examination as there is currently no evidence of benefit and doing so may create an unnecessary level of anxiety and fear (21). 	support or discredit the use of testicular self examination as a means of screening for testicular cancer in the general male population.
2.7 Discussion and	Level of evidence = III (Controlled trial)	
information relating to regular skin self examination to assist in the early detection of skin	• Results of this study suggest that skin self examination (SSE) may reduce mortality from melanoma by 63%. The study concludes that SSE may be a useful and inexpensive method screening method to reduce the incidence of melanoma and reduce the development of advanced disease (22).	
cancer.	Level of evidence = (Cohort study)	
	• After allowance for other variables such as age, sex, anatomical site and education, SSE is an independent predictor of early diagnosis (23)	
	Level of evidence = II (Randomized controlled trial)	
	• The intervention to increase SSE resulted in an increase in the number of surgery on the skin for 6 months following completion of the intervention compared to controls. This increase in surgery was not associated with an additional diagnosis of malignant skin cancer. The increase in surgeries did not persist beyond 6 months; however the increase in the number of people performing SSE remained higher in the intervention compared to controls (24).	
	 Level of evidence = V (Opinion of respected authority) The Australian Cancer Council recommends that the general public should be encouraged to check all areas of their skin on a regular basis (25). 	
Program offering multiple risk factor assessment and intervention	Level of evidence = -I (Systematic review of randomised controlled trials) The use of multiple risk factor intervention has no effect on mortality due to CHD in the general population (

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Program 11: Sustainable Farm Families

Program: Sustainable Farm Families				
	Designed and implemented by Western District Health Service.			
Ownership				
	Director of Community Services			
	Western District Health Service			
	PO Box 283			
	Hamilton Vic 3300			
	Ph: 03 5551 8460			
Contact Address	Fax: 03 5572 5371			
	www.sustainablefarmfamilies.org.au	<u>1</u>		
Website				
General overview of	The Sustainable Farm Families prog	ram was developed in response to the	higher rates of death and morbidity an	d lower average life expectancy of
program	individuals living in rural areas. The Sustainable Farm Families Program is run over a three year period. The program provides participants with			
	information on personal health and well being and opportunities for improving health and farm safety outcomes. Participants attend a two day			
	course in year one and one day course in both years two and three. Topics covered include;			
	• The state of rural health.			
	Cardiovascular disease.			
	Cancer, including bowel and skin.			
	• Farm health and safety			
	• Stress and stress management.			
	• Diet and nutrition including a supermarket tour.			
	• Gender specific topics (prostate cancer, impotence, women's health and breast cancer)			
	Action planning			
	 Anxiety and depression 			
	• Diabetes			
	• Health and Farm business.			
	The underlying message of the program is to increase awareness of the human resource in "triple bottom line" and focus on financial, natural and			
	human resource management. The program motto is "no point in a better bottom line if you're not there to enjoy it" (1-3).			
Target population	Individuals and families that have farmed or have been involved in a farming business for more then 5 years and are aged between 18 and 75 years.			
Inclusivity	Yes, in selected communities			
Specific Objectives	Objective 1	Objective 2	Objective 3	Objective 4
(as stated in SFF				
literature)	Identify and track farming family	Design and deliver a training	Communicate program findings to	Provide information on the
	health indicators for inclusion in	program that assists farming	farming families and the health	relationship between family health,
	farm management quality	families to identify strategies to	and agricultural sectors (1).	health as a social issue in rural
	assurance processes (1).	enhance individual, family health		communities and farm
		and relevant OH&S practices (1).		productivity (1).
Interventions being	The Sustainable farm families progr	am utilizes four theories relating to adu	It learning and evaluation. These inc	lude;

promoted to achieve objective	 Azjen and Fishbein's (1980) theory of reasoned action and planned behavior. Kolb's (1984) training and delivery model. Kirkpatrick's (1998) training and evaluation framework. Rogers (1983) research on the diffusion of information. These theories were incorporated into the design of the Sustainable Farm Families Program. Interventions utilized in the program include; Annual workshops over a three year period including a two day workshop in year one and one day workshops in year two and three. Regular news letters provided to participants. 			
	 Annual measurement of clinical indicators. Industry knowledge association. Pre and post test knowledge questionnaires. Provision of a resource manual that included both written and visual material. Comprehensive project evaluation. 			
Sequence of intended outcomes from the SFF project as a result of the above mentioned interventions (3)	 Behavior changes including; Eating healthier food. Increased exercise. Safer farming and work practices. Follow up health checks (4). 	 Changes in clinical indicators, including Obesity-related indicators. Blood sugar level. Blood pressure. Cholesterol level. Pulse rate (4). 	 Changes in morbidity and mortality including; Reduced risk of a cardiovascular event Reduced risk of death due to a cardiovascular event. Reduced risk of diabetes. Reduction in farming accidents. Reduction in the incidence of cancer. Reduction in the incidence of anxiety and depression (4) 	 4 Benefits of these changes including; Increased Quality Adjusted Life Years. Downstream cost savings (4).
Research Question	Do comprehensive health screens, health workshops and provision of health information lead to behavior change?	Does behavior change such as increased physical activity and improved diet impact on clinical indicators?	Do positive changes in clinical indicators result in reduced morbidity and mortality from diabetes and cardiovascular disease?	Does decreased morbidity and mortality from diabetes and CV disease result in economic benefits and increased QUALY?
Evidence for effectiveness of intervention being promoted	 Behavior change. Level of evidence = 1 (Systematic review of randomised controlled trials) Physical activity interventions which include professional advice and guidance with ongoing support can have a moderate effect on self reported activity levels in the short to mid term (5). Level of evidence = II 	 Changes in clinical indicators. Level of evidence = I (Systematic review of randomised controlled trials.) Physical activity is associated with improved clinical indicators such as serum lipids, blood pressure and fasting glucose (8). Level of evidence = I (Systematic review of randomised controlled trials.) 	 Changes in morbidity and mortality. Level of evidence = -I (Systematic review of randomised controlled trials) The use of multiple risk factor intervention has no effect on mortality due to coronary heart disease in the general population (9). Level of evidence = II (randomized controlled trial) 	Long term benefits. Level of evidence = V Health programs aimed at decreasing mortality and morbidity due to cardiovascular disease have the capacity to provide economic benefits due to a reduction in the number of early deaths and reduced health care costs. cardiovascular risk factors also impact other health conditions such as diabetes (12).

	 (Randomised controlled trial) The most effective intervention for promoting increased physical activity was the most intensive, however increases in physical activity identified at 12 weeks were not maintained at one year follow up (6). Level of evidence = I (systematic review of randomised controlled trials). Compared to no advice dietary advice dietary advice increased fruit and vegetable intake, increased fruit and vegetable intake, and reduced overall caloric intake however it is uncertain how long these changes where maintained (7). Dietary advice brings about modest beneficial changes in clinical indicators such as cholesterol and blood pressure over approximately 10 months but longer term effects are not known (7). Tuevel of evidence = I (systematic review of randomised controlled trials). Compared to no advice dietary advice increased fruit and vegetable intake, and reduced overall caloric intake however it is uncertain how long these changes where maintained (7). Tue to fe the triate and reduced overall caloric intake however it is uncertain how long these changes where maintained (7). Tuevel of the triate and reduced overall caloric intake however it is uncertain how long these changes where maintained (7). 		
effectiveness of program in	A research project evaluating the economic benefits of the Sustainable Farm Families program utilized evidence from a before and after longitudinal observational study with no control group. The authors use participant's account of their health related behavior changes, which they attributed to		
achieving object	the program, to support a causal relationship.		
	1. Statistically significant changes over 12 and 24 months for body mass index, systolic blood pressure, total cholesterol, waist circumference and waist to hip ratio		
	 Initial improvements in clinical parameters were maintained over the duration of the project. 		
	3. On average participants that completed the SFF program reduce their risk of having cardiovascular disease event in the following 10 years		
	by 2.12%. 4. It was estimated that over 10 years 2 cardiovascular events will be avoided due to participation in the SFF program.		
	5. It was estimated that amongst participants with a BMI greater than 25, 8 cases of diabetes where avoided.		
	6. The total gain in discounted QALYs over 10 years as a result of the project is calculated to be 4.33. 7. Cost sayings from the predicted reduced incidence of Type 2 diabetes over 10 years is estimated at \$154,020 (total program cost = \$141		
	7. Cost savings from the predicted reduced incidence of Type 2 diabetes over 10 years is estimated at $$1.54, 92.9$ (total program cost = \$141 189).		
Linkage to Primary Health services	Participants are referred to local health services as required.		
Follow-up of people Identified as at-risk	Individuals identified as at risk are referred on to the appropriate health service.		
Where are medical records held	Western Division Health Service in Hamilton.		
Problems identified			

in program	
Other comments	It should be noted that the majority of the evidence cited above are studies conducted on populations at increased risk of diabetes and cardiovascular
	disease. Evidence to support the impact of interventions on apparently healthy populations is lacking.
	Few studies are of sufficient duration to measure the effect of their intervention on the incidence of cardiovascular disease and diabetes,
	consequently most are predictions only.

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Program 12: WellingTONNE Challenge

Program: WellingTON	am: WellingTONNE Challenge.		
Ownership	Funded by a grant from the Department of Health and Ageing and implemented by a committee established in the local community.		
	Wellington Community Health Centre		
	Ph: 02 6845 2033		
	Or for a copy of the toolkit		
	National Mail and Marketing		
	PO Box 7077,		
Contact Address	Canberra BC, ACT 2610		
Website	N/A		
General overview of	The WellingTONNE Challenge (WC) is a community health program which aims to reduce the risk of cardiovascular disease and diabetes. WC is a		
program	multifaceted 12 week program designed to assists participants to lose weight and increase healthy behaviors such as regular physical activity and		
	increased fruit and vegetable consumption. The WC had a goal for the community to lose a total of 1000kg in 12 weeks. There is a tool kit available		
	to assist communities to implement a similar program.		
Target population	Individuals living in the Wellington area who meet the following criteria.		
	1. >18 years.		
	2. BMI > 25.		
	3. Not pregnant.		
	4. Not taking any weight loss medication.		
	5. Not undertaking any medical weight loss procedures.		
Inclusivity	Yes, whole community based		
Specific Objectives	To reduce the risk of cardiovascular disease in the Wellington	To reduce the risk of diabetes in the Wellington community.	
	community.		
Interventions being	1. The Wellington community losing an accumulated 1000 kgs in 12	1. The Wellington community losing an accumulated 1000 kgs in 12	
promoted to	weeks.	weeks.	
achieve objective	2. Increasing participation in physical activity.	2. Increasing participation in physical activity.	
	3. Increasing fruit and vegetable consumption.	3. Increasing fruit and vegetable consumption.	
Evidence for	Level of evidence = I (Systematic review of randomised controlled	Level of evidence = I (Systematic review of randomized controlled	
effectiveness of	trials.)	trials)	
intervention being	• Exercise is associated with improved cardiovascular risk factors	 Behavioral interventions aimed at increasing physical activity 	
promoted	even if no weight is lost (2).	and improving dietary habits resulted in weight loss amongst	
		people with pre-diabetes and reduced diabetes incidence (11)	
	Level of evidence = I (Systematic review of randomised controlled		
	trials)	Level of evidence = III (Systematic review and meta-analysis of cohort	
	• Dietary advice, including increased fruit and vegetable	studies)	
	consumption, bring about modest beneficial changes in	• This review concluded that the consumption of fruit and	
	cardiovascular risk factors over approximately 10 months but	vegetables is not associated with a substantial reduction in the	

 majority of studies encourage decreased fat intake and increased dietary fibre in addition to increasing fruit and vegetable consumption, consequently and effect of increased fruit and vegetable consumption on alone is not described (3). Level of evidence = III A diet consistently high in fresh seasonal fruit and salad vegetables appear protective against cancer and cardiovascular Level of evidence = II (Randomized controlled trial) Two randomized controlled trials demonstrated a 58% decreased
 vegetable consumption, consequently and effect of increased fruit and vegetable consumption on alone is not described (3). Level of evidence = III A diet consistently high in fresh seasonal fruit and salad vegetables appear protective against cancer and cardiovascular These studies suggest that increased fruit and vegetable consumption may prevent diabetes however results where not conclusive (6-8). Level of evidence = II (Randomized controlled trial) Two randomized controlled trials demonstrated a 58% decreased fruit and salad vegetables appear protective against cancer and cardiovascular
 fruit and vegetable consumption on alone is not described (3). Level of evidence = III A diet consistently high in fresh seasonal fruit and salad vegetables appear protective against cancer and cardiovascular Two randomized controlled trials demonstrated a 58% decreas
 A diet consistently high in fresh seasonal fruit and salad vegetables appear protective against cancer and cardiovascular Two randomized controlled trials demonstrated a 58% decreas
vegetables appear protective against cancer and cardiovascular • Two randomized controlled trials demonstrated a 58% decreas
disease (4). in the risk of type 2 diabetes with lifestyle interventions (diet,
exercise and weight loss) compared to the control / placebo
group (9,10).
effectiveness of 1. A total accumulated weight loss of 687 kg (average of 3.14 kg per person)
program in achieving 2. 21% increase in the number of participants walking four or more times per week.
object 3. 11% increase in the number of participants who eat 8 or more meals a week with vegetables and 16% increase in the number of participant
who eat 2 or more pieces of fruit per day.
However, due to limitations in the evaluation and a low response rate at the 36 week follow up it is unknown if the changes where sustained long
Linkage to Primary No direct link to primary health services
Health services
Follow-up of people Not stated.
Identified as at-risk
Where are medical records held Not stated.
Problems identified Only 59% of participants weighed in at completion of the 12 week program.
In program Only 23% of participants attended the final weigh in 6 months after program completion and evidence suggested this was not a representative sample. As a result, it is not known if the program has any longer term herefit.
Due to resource constraints only basic evaluation data where collected thus not allowing a comprehensive assessment of diet and physical activity
behavior.
Evidence suggests that overall improvements in diet including increased dietary fibre, decreased fat and increased fruit and vegetable consumption
opposed to increased fruit and vegetable consumption alone is more beneficial in both preventing diabetes and CV disease.
Other comments Participant feedback was positive and included the following.
1. Improved health status with adjustments to cholesterol, blood pressure and diabetic medication required.
 2. Improved sen encacy. 3 WC provided them with support and encouragement and a sense of achievement on completion.
4. Fostered community spirit.

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SECTION 2: ON-ON-ONE ASSESSMENT, PREVENTION, PROMOTION INTERVENTION BY GENERAL PRACTITIONER CONSULTATION Program 1: The Royal Australian College of General Practitioners program

Program: Guidelines for preventative activities in general practice 6 th edition (Red Book)				
Ownership	The Royal Australian College of General Practitioners supported by a grant from the Australian Government Department of Health and Ageing.			
	1 Palmerston Crescent			
	South Melbourne			
	Victoria 3205			
Contact Address	Ph: 03 8699 0414			
Website	http://www.racgp.org.au/			
	The Guidelines for preventative activities in gene	ral practice (Red Book) are a set of evidence based	d guidelines for preventative activities tailored to	
	Australian General Practice. The guide endorses	preventative care that is;		
	a. Opportunistically provided when patient	s present with other problems or concerns.		
	b. Anticipates the preventative needs of the	eir patients by providing reminders for preventative	e care and	
	c. Proactively targets high risk individuals	who may be least likely to seek out such care.		
	The guidelines include screening / preventative in	nformation that is age specific and disease / injury	specific. For the purpose of this evaluation we	
	have focused on Prevention of chronic disease, prevention of vascular disease and early detection of cancer. The guidelines refer extensively to The			
General overview of	smoking, nutrition, alcohol and physical activity (SNAP) risk factors due to their effect on the incidence and complications of chronic disease such			
program	as diabetes, CV disease and some cancers.			
Target population	General community of patients			
Inclusivity	Yes			
Specific Objectives	Objective 1.	Objective 2	Objective 3	
	Prevention of chronic disease	Prevention of vascular disease	Early detection of cancer.	
	Assessment of the absolute risk that the patient	Assessment / estimate of absolute		
Interventions being	will have a vascular event in the next 5 years	cardiovascular risk (percentage chance for an		
promoted to	based on assessment of SNAP behavioral risk	individual experiencing a cardiovascular event		
achieve objective	factors and physiological risk factors.	over the next 5-10 years)		
	Smoking (Red Book pg 27-28)	Blood pressure (Red Book pg 38-39)	Melanocytic skin cancer (Red Book pg 46-48)	
	1. Average risk = assess every 12 months	1. Average risk = assess every 2 years (IA)	1. Average risk = assess opportunistically	
	(IA)	2. Increased risk – assess every 12 months	(IIIB)	
	2. Increased risk = assess every 6 months	(IIA)	2. Increased risk = assess opportunistically	
	(IA – IIIA)	3. High risk = assess every 6 months (IA)	(VB)	
		Cholesterol and lipids (Red Book pg 39-41)	3. High risk = assess every 12 months (IIIC)	
	Overweight (Red Book pg 29-31)	1. Increased risk = assess every 5 years (IA)		
	1. Average risk = assess every 2 years (IA)	2. High risk = assess every 1-2 years (IA)	Non-melanoma skin cancer (Red Book pg	
Estimate for	2. Increase risk = assess every 12 months (IA-	3. Very high risk = assess every 12 months (1.4)	48-49)	
Evidence for		(IA)	1. Average risk = assess opportunistically	
effectiveness of	5. Identified $fisk = assess every 6 months$	Trme 2 disheter (Ded Deels $= 41.42$)	(IIIB) 2 Incorporate right - account - restriction 11	
intervention being	(ШВ)	1 June 2 diabetes (Red Book pg 41-43)	2. Increases risk = assess opportunistically (HID)	
promotea		1. Increased risk = assess every 3 years	(IIIB)	

	Nutrition (Red book pg 31-32)	(IIIB)	3 High risk – assess every 12 months (IIIB)
	1 Average risk = assess every 2 years (IB)	2 High risk = assess every 12 months (IIIB)	5. Then tisk – assess every 12 months (IIID)
	 Average fisk – assess every 2 years (ID) High risk – assess every 6 month (IB) 	2. Ingn Hsk = assess every 12 months (IIID)	Cervical cancer (Red Book pg 49-51
	2. High Hisk = assess every 6 Hohm (Hb)	Stroke (Red Book pg 13-14)	1 Average risk $-$ assess every 2 years (IIA)
	Farly detection of problem drinking (Ped	$\frac{1}{1 - 1} = \frac{1}{1 - 1} = $	1. Average $Hsk = assess every 2 years (HR)$ 2. Increased risk = assess every 2 years (HIR)
	Dealy detection of problem drinking (Red	1. Increased fisk – assess every 12 months	2. Increased risk – assess every 2 years (IIID)
	$\frac{1}{1} = \frac{1}{1} + \frac{1}$	(IIID) $2 \text{Light right - access around 12 months (IIID)}$	5. Increased fisk – assess every 12 monuts
	1. Average $\text{Hsk} = \text{assess every 5 years (IIB)}$	2. High risk = assess every 12 monuns (IIIB)	(ШВ)
	2. Increased risk = assess every 12 months (14)	3. People who have had a $IIA = assess$	
		every 12 months (IA)	Breast cancer (Red book pg 51-53)
	3. High risk = assess at first consult and then		1. Average risk = assess every 2 years from $\frac{1}{2}$
	monthly (IA)	Kidney disease (Red Book pg 44-45)	50-69 years of age (IA)
		1. Increased risk = assess every 12 months	2. Increased risk = assess at least every 2 yeas
	Physical activity (Red book pg 35-36)	(IIIB)	from 50-69 years of age (IIIC)
	1. Average risk = assess every 12 months	2. High risk = assess every 12 months (IIIA)	3. High risk – individualized surveillance
	(IIIB)	3. Very high risk = assess every 12 months	program (IIIC)
	2. Increased risk = assess every visit (IV)	(IIIB)	
			Oral cancer (Red Book pg 53-54)
			1. Average risk = assess every 2 years (VB)
			2. Increased risk = assess every 12 months
			(VB)
			Colorectal cancer (Red Book pg 54-55)
			1. Average risk = FOBT every 2 years from
			50 years of age (IA)
			2. Increased risk = colonoscopy every 5 years
			from 50 years of age or at an age 10 years
			younger then the age of first diagnosis of
			CRC in family (IIC-IA)
			3. High risk = FAP every 12 months from 10 -
			15 years of age to 30-35 years of age and
			every 3 years after 35 years of age (IIIC)
			every s years after so years of age (inc)
			Testicular cancer (Red Book pg 56-57)
			1. High risk = assess opportunistically (VC)
			i ingitick assess opportunistically (+C)
	(I) Brief simple advice about quitting smoking f	rom a General Practitioner results in a small increa	se smoking cessation rates.
			č
	(I) Brief interventions by General Practitioners of	can increase physical activity levels amongst patier	its.
	"Success of counselling appears to be as	sociated with patients' readiness to change and wi	th providing training for physicians in
Evidence of	counselling techniques. Written exercise	prescriptions might further improve outcomes."	
effectiveness of	U		
program in	GP programs are being evaluated in a range of PH	ICRED research projects.	
achieving object	1 0 ···································	····· I ·J·····	

Linkage to Primary	The Red Book is available for General Practitioners. All health screening / assessment is completed by a General Practitioner.
Health services	
Follow-up of people	The guidelines make recommendations for treatment and referral of individuals identified as at risk.
Identified as at-risk	
Where are medical	Medical records are kept by the patient's General Practitioner.
records held	
Problems identified	
in program	
Other comments	

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