Cancer prevention in Scotland



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Since we last met.....

Evidence

UPDATED

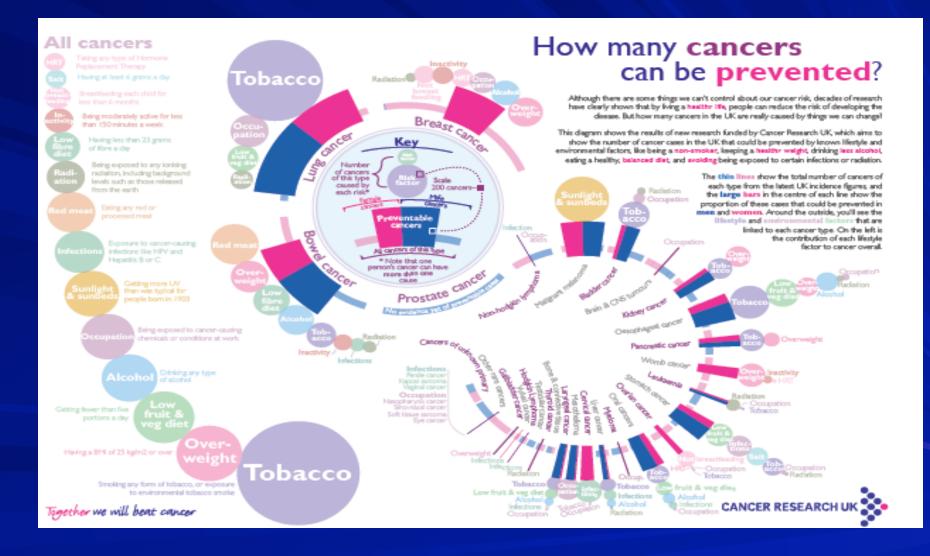
Estimates¹ of cancer preventability by appropriate food, nutrition, physical activity, and body fatness in four countries²

	USA	UK	BRAZIL	CHINA
Mouth, pharynx, larynx	63	67	63	44
Oesophagus	69	75	60	44
Lung	36	33	36	38
Stomach	47	45	41	33
Pancreas	39	41	34	14
Gallbladder	21	16	10	6
Liver	15	17	6	6
Colorectum	45	43	37	17
Breast	38	42	28	20
Endometrium	70	56	52	34
Prostate	11	20	N/A³	N/A³
Kidney	24	19	13	8
Total for these cancers combined	34	39	30	21
Total for all cancers	24	26	19	20

Around one quarter of all cancers estimated avoidable through appropriate food, nutrition and physical activity



Cancer Research UK



Evidence reviews and recommendations

American Cancer Society Guidelines on Nutrition and Physical Activity for Cancer Prevention

Reducing the Risk of Cancer With Healthy Food Choices and Physical Activity

Lawrence H. Kushi, ScD¹; Colleen Doyle, MS, RD²; Marji McCullough, ScD, RD³; Cheryl L. Rock, PhD, RD⁴; Wendy Demark-Wahnefried, PhD, RD⁵; Elisa V. Bandera, MD, PhD⁶; Susan Gapstur, PhD, MPH⁷; Alpa V. Patel, PhD⁸; Kimberly Andrews⁹; Ted Gansler, MD, MBA, MPH¹⁰ and The American Cancer Society 2010 Nutrition and Physical Activity Guidelines Advisory Committee

Abstract

The American Cancer Society (ACS) publishes Nutrition and Physical Activity Guidelines to serve as a foundation for its communication, policy, and community strategies and, ultimately, to affect dietary and physical activity patterns among Americans. These Guidelines, published approximately every 5 years, are developed by a national panel of experts in cancer research, prevention, epidemiology, public health, and policy, and they reflect the most current scientific evidence related to dietary and activity patterns and cancer risk. The ACS Guidelines focus on recommendations for individual choices regarding diet and physical activity patterns, but those choices occur within a community context that either facilitates or creates barriers to healthy behaviors. Therefore, this committee presents recommendations for community action to accompany the 4 recommendations for individual choices to reduce cancer risk. These recommendations for community action recognize that a supportive social and physical environment is indispensable if individuals at all levels of society are to have genuine opportunities to choose healthy behaviors. The ACS Guidelines are consistent with guidelines from the American Heart Association and the American Diabetes Association for the prevention of coronary heart disease and diabetes, as well as for general health promotion, as defined by the 2010 *Dietary Guidelines for Americans* and the 2008 *Physical Activity Guidelines for Americans*. CA Cancer J Clin 2012;62:30–67. ©2012 American Cancer Society.

Introduction

The Importance of Weight Control, Physical Activity, and Diet in Cancer Prevention

Nutrition and Physical Activity Guidelines for Cancer Survivors

Cheryl L. Rock, PhD, RD¹; Colleen Doyle, MS, RD²; Wendy Demark-Wahnefried, PhD, RD³; Jeffrey Meyerhardt, MD, MPH⁴; Kerry S. Courneya, PhD⁵; Anna L. Schwartz, FNP, PhD, FAAN⁶; Elisa V. Bandera, MD, PhD⁷; Kathryn K. Hamilton, MA, RD, CSO, CDN⁸; Barbara Grant, MS, RD, CSO, LD⁹; Marji McCullough, ScD, RD¹⁰; Tim Byers, MD, MPH¹¹; Ted Gansler, MD, MBA, MPH¹²

TABLE 2. American Cancer Society Guidelines on Nutrition and Physical Activity for Cancer Survivors

Achieve and maintain a healthy weight.

 If overweight or obese, limit consumption of high-calorie foods and beverages and increase physical activity to promote weight loss.

Engage in regular physical activity.

- Avoid inactivity and return to normal daily activities as soon as possible following diagnosis.
- Aim to exercise at least 150 minutes per week.
- Include strength training exercises at least 2 days per week.

Achieve a dietary pattern that is high in vegetables, fruits, and whole grains.

 Follow the American Cancer Society Guidelines on Nutrition and Physical Activity for Cancer Prevention.

Breast Cancer and the Environment

A Life Course Approach

Committee on Breast Cancer and the Environment: The Scientific Evidence, Research Methodology, and Future Directions

> Board on Health Care Services Board on Health Sciences Policy

> > OF THE NATIONAL ACADEMIES

THE NATIONAL ACADEMIES PRESS Washington, D.C. www.nap.edu

Scotland.... Since we last met.....

Health Promoting Health Service CEL

- Cigarette vending
- Minimum pricing on alcohol
- Late drinking on trains

- Obesity- static?
- Physical activity?
- Diet voluntary traffic light labelling

Home ► News ► Local News in Stirling ► Stirling Observer News ►

Big Mac chewed up and spat out

Aug 3 2012 By Kaiya Marjoribanks

McDONALDS have been told they've had their chips over plans to build a fast food restaurant near St Modans High School.

During the hearing panel members heard from **McDonalds** planning consultants, the chair of St Modan's Parent Council Pat McKeown, and ward members Councillor Corrie McChord and Councillor Mark Ruskell.

The application was refused on the grounds that a Class 3 restaurant falls outwith the designated Class 4, 5 and 6 uses for the site such as office accommodation, general industry and storage or distribution facilities and that ancillary uses (Class 3) had reached the maximum threshold for the business park

The panel also felt that the application went against the Scottish Government's Obesity Route Map Action Plan.

Detect Cancer Early

Terribly important



but.....Not prevention

Research

Cancer diagnosis and smoking cessation (patients+kinship/friendship networks)

- BeWEL- CRC adenomas and lifestyle
- StartWELL- CRC and health behaviours at diagnosis
- ActWELL Active living and well being in Breast cancer screening setting

Working together to support ACTive living and WELL-being (ActWELL) in the health promoting (breast screening) health service

ActWELL

Funded by Chief Scientist Office Endorsed by

- Scottish Cancer Foundation
- Breast Cancer Campaign
- Breast Cancer Care

Investigators

- University of Dundee
 - Prof Annie Anderson (PI)
 - Prof Alastair Thompson
 - Dr Shaun Treweek
 - Prof Peter Donnan
- University of Glasow
 - Prof Sally Wyke
- University of Edinburgh
 - Prof Nanette Mutrie
- University of Stirling
 - Professor Ronan O'Carrol
- University of Strathclyde
 - Dr Alison Kirk

Collaborators

NHS Greater Glasgow Dr Hilary Dobson



Scottish Cancer Prevention Network

- Information, misinformation, awareness (not stand alone, an issue for health inequalities)
- Advocacy- getting a message over (an independent voice)
- Working on health inequalities agenda in cancer prevention (people recognize the importance but need guidance in the how)
- Survivorship.....(secondary prevention)

The Scottish Cancer Prevention Network



Scottish Cance

Editorial

The network works!! Thanks to everyone who has provided feedback on emails regarding lobbying on traffic light labelling, attending the Scottish Cancer Foundation supported lecture by Valerie Beral at the Royal Society and providing articles for this newsletter (with little persuasion needed!). There are new requests to join the network every month and clearly there is considerable interest in cancer risk reduction activities. The Scotland Against Cancer Conference included a lively discussion on lifestyle change and this is clearly a topic of passion for many Scots whether natients, members of medical charities, health professionals or

To date, we have written little about prevention of skin cancer and it would be timely to have at least some mention of this now that we are in high summer. Our summer temperatures may not reach heat wave level but our UV exposure can still be excessive. It may seem like a message that's been around for a while but, in June the Scottish government brought the issue to the fore by reporting that the number of deaths from the skin cancer malignant melanoma has increased by more than one third in a decade The NHS are reported to have said that it is relatively rare, accounting for 10% of skin cancer cases - but it also causes the most deaths and it can kill young adults.

Scotland has led th ing in restrictions of industry to protect from UV rays, but the to be done to er awareness. Evan practice abound fr but can we share practice initiatives The UV Alert is u Australia as a pre you should take tion. It is based on lar UV Index, a adopted from the Organisation. The dex value, the great tial for damage to ye levels above 3 actio mence! For many would be sunscree screen will provide tion from UV rays fooled into a "roastir assuming that a h factor will give licer snooze mode. Hats and shade in fact look has a lot to say

Read Cancer Rese vice on prevention of for more details... reading has provide new action plan (which is noting that go out of date!!)

http://www.sunsmart advice-and-prevention

We need contributions for the newsletter... send on details or research, action, debates to us.

The Website is up and running www.cancerpreventionscotla

Please circulate this newsletter widely and we are happy to names to the circulation list

Supported by the Scottish Cancer Foundation A











Supported by The Scottish Cancer Foundation www.cancerpreventionscotland.co.uk/

The Scottish Cancer Prevention Network Conference



Scottish Cancer Foundation Scottish Cancer Prevention Network



Translating lifestyle theory to healthy practice for the reduction of cancer occurrence

and recurrence

Friday, 9th of November 2012 Melting Pot, 5 Rose Street, Edinburgh

0930- 1000 Tea, Coffee and networking

Morning Session (Chair: Prof R Steele)

1000-1010	Background and introductions	Prof A Anderson
1010-1040	Cancer prevention in Scotland	Dr A Keel CBE
1040-1110	Positive opportunities for smoking cessation in our communities	Paul Ballard
1110-1135	Helping achieve dietary change in disadvantaged communities	Bill Gray
1135-1200	Physical activity and the cancer patient : get started and keep going	Prof N Mutrie
1200-1210	Alcohol and cancer — why we need to change and how health professionals might help	Eric Carlin
1210-1230	Living Beyond Bowel Cancer – Notes From A Survivor	Glenys Marra
1230-1330	Lunch & Exercise break	

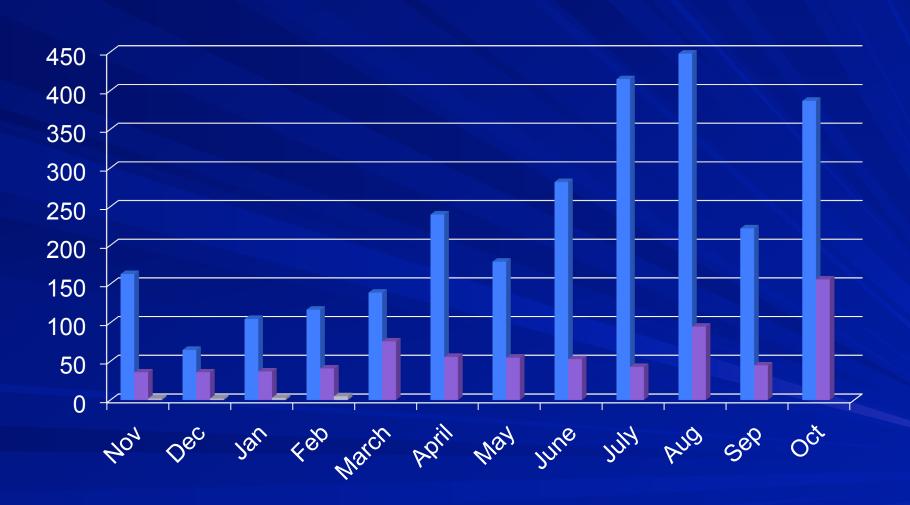
Afternoon Session (Dr Hilary Dobson : Chair)

1330-1415	Intervening to Improve Diet and Exercise Behaviors in Cancer Survivors: What Works?	Prof W Demark- Wahnefried
1415-1435	Breast cancer in Scotland: current issues/future visions	Prof A Thompson
1435-1455	Colorectal cancer in Scotland :current issues/future visions	Prof R Steele
1455-1515	WCRF Continuous Update Project- updates and recent work	Dr Rachel Thompson
1515-1530	SCPN- current practice/future visions	Prof A Anderson

Lets double our numbers.....

Year	E- group	Activities	Website	News- letter	Reach	Twitter	Face- Book
2008/9	80	Conference	-	-	-	-	-
2010	95	-	web	4 issues	NA		
2011	121	Conference (42) PLUS	web	4 issues	550-600		
2012	230	Conference (75) PLUS	web	4 issues	1200+	65 (255)	60 (83)
Target	345	Conference PLUS	web	4 issues	2500	352	124

Website Human visits per month and new visits per month



Cancer Prevention- who wants to know beyond academia?

Health Professionals

- Public Health Faculty, 2010
- Primary Care Cancer Group, 2012
- Breast cancer trials group, 2011
- Breast Clinic consultants, 2012

Cancer charities

- Breakthrough Breast Cancer, 2011
- Bowel Cancer UK, 2012
- Macmillan Conference, 2013
- Scottish Cancer coalition

Others

- Health Inequalities/workplace workshop, 2012
- Public lecture, Breast Cancer Institute, 2012 (Plus webhits)

Cancer Prevention- who wants to know beyond academia?

Government

- Scottish Cancer TaskForce, 2010
- SG Public Health Division (grant to SCF)
- SNP party conference (Breakthrough Breast Cancer Fringe), 2012
- Cross party group on cancer (ongoing)

Other communications

Scottish Cancer Pre

Identify savi

Professors Annie S Ande professionals can help to practice and new scientif

fter several decades of healt research, we now have a con a much clearer view of Alco the lifestyle-related had causes of many publi cancers, and convincing evidence on deba how to reduce cancer risk.

The World Cancer Research Fund show (WCRF) published the most of ad extensive review of all types of tion evidence of cancer causes related to Previ food, nutrition and physical activity WCl in 20071 and then proceeded in their oeso: 2009 report2 to detail estimates of the of th proportion of different lifestyle and? factors attributable to known risks. be r

For example, it is estimated that alcol-43 per cent of colorectal cancer in the non-UK can be accounted for by low mair levels of physical activity, consum- cano ption of processed meat, low intakes com of food high in dietary fibre (fruits, comi vegetables and wholegrains) high who intakes of red meat, high alcohol their levels and high levels of body fat. It is M data like this that epidemiologists, ident informed by long-term cohort high studies, have brought to the table. if we

However, it seems that such really information still fails to reach the Sure general population (and many healt

"In non-smokers, ot the main modifiable for cancer reduction this is rarely commu Scottish Cancer Prevention Network



enhancing existing NHS public health efforts and action around tobacco control. Over 100 people have signed up to the network including health professionals (GPs, public health physicians, surgeons, NHS Health Scotland), Scottish Government departments, MSPs, academics and cancer agencies (including CRUK, Bowel Cancer UK, Breakthrough Breast Cancer

The network is supported by The Scottish Cancer Foundation, a small Scottish cancer agency which aims to facilitate cancer research activities. Funding for communications has also been received from the healthy living and screening team in the Health Improvement Strategy Division in the Scottish Government.

The aims of the network are:

- 1. To raise awareness of the links between diet, physical activity, obesity and UV exposure and the development of cancer in relation to primary prevention (and in cancer survivors)
- 2. To create support for public health action from all sectors of the community so that prevention activities are embraced in every aspect of cancer control planning
- 3. To support research and dissemination activities related to lifestyle and cancer risk reduction 4. To undertake advocacy work

Research Fund (2007) Food, Nutrition, Physical Activity and theprevention of perspective WCRF/AICR London www.dietand 2)WorldCancer

Research Fund (2009) Policy and Action forCancer Drawontion/MCDE/ AICR London report ora

(2010) Prevention Overweight and a muteman towards healthy eating funday contland on uk/Publications/2010/ 02/17140721/0). 4)SKN(2010) Management of Obesity Guidline 115 (www.sign.ac.uk/pdf. sign115.pdf) 5)CancerResearch UK researchuk.org/healthy fving/obesityand weight/tentoptips 6) National Heart

Forum - Obesity

Learning Centre

centre-nhf.org.uk

aimed at increasing action by the private, public and voluntary sectors to reduce cancer-related behaviours whilst fully embracing issues around health inequalities.

Within the network, action is grouped into three main themes, namely:

- · Awareness raising (information and misinformation) Advocacy for action on prevention
- · Work on health inequalities in cancer prevention (widening perspectives).

Communication is a key part of the work undertaken and this includes dealing with misinformation as well as information. It is clear that the confusion that arises from all sorts of weird and wonderful sources does little to support action for change. The networking that is currently going on within Scotland to help support lifestyle change is important. For example, much policy work has been focused on obesity (Preventing Overweight and Obesity3) and the recent new SIGN guidelines on obesity management⁴ provide clear guidance on the management of obesity.

However, not all health professionals working on cancer prevention know about these, or indeed about wider resources that can be accessed from the web56. Sharing successful approaches in assisting changes in smoking, diet and activity can be facilitated by

the network as well as scientific publications from trials. Changing ways of life is not easy, especially in a society geared towards sedentary living and indulgent energy dense foods and drinks, but it is timely to try and enhance efforts so that we really can work towards reducing the cancer burden in Scotland.

Further information is available by visiting www.cancerprevention scotland.co.uk. Anyone can join the network, which is emailbased. Members receive quarterly newsletters (also available on the website) and are asked to cascade these as widely as possible. Email alerts of conferences, policy relevant information and work by health agencies can also be circulated.

reduction should contact a.s.anderson@dundee.ac.uk to be added to the mailing list. The leads on the network for primary care are Dr Christine Campbell (christine.campbell@ed.ac.uk) and Dr Peter Murchie (peter.murchie@abdn.ac.uk)



Scottishaction for cancer risk eduction by Professor Annie Anderson and Professor esearch into Cancer Prevention and Screening

(CRiPS), NinewellsMedical

School, University of Dunder Primary Care Scotland 13

other Scottish

communications

Health newsletters

Print media

newspapers

12 Primary Care Scotland

Other communications

SCPN ART PRIZE



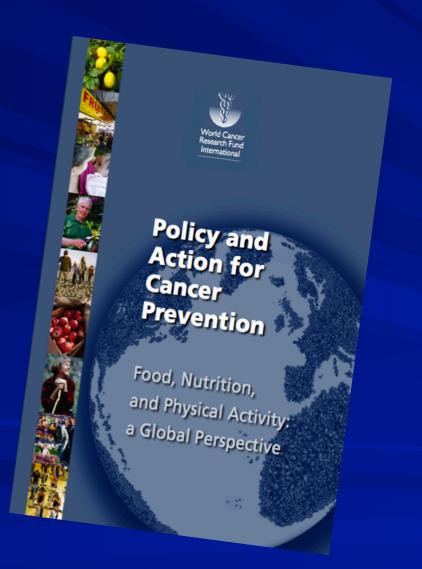
SCPN Survey (2012)

- 114 (50%) people responded to the survey
 - Overwhelmingly positive
 - Annual conference appreciated
 - More Engagement with media

Newsletter

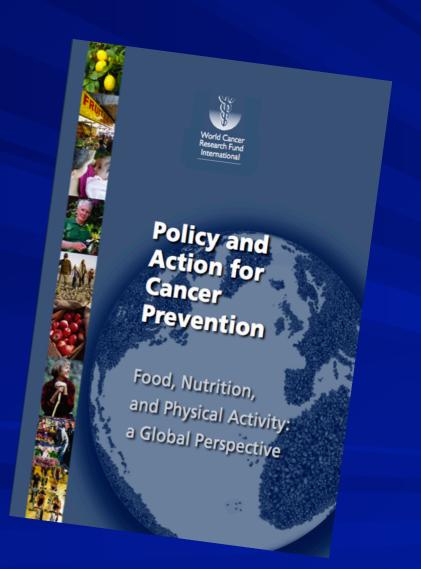
- More on health inequalities
- ?links with detect cancer early
- Patient contributions

Action for lifestyle change and cancer prevention





Action for lifestyle change and cancer prevention





Worksites

- World Cancer Day- Feb 4^{th,} 2013, 2014
- an opportunity for raising cancer prevention awareness?
- Healthy Working Lives