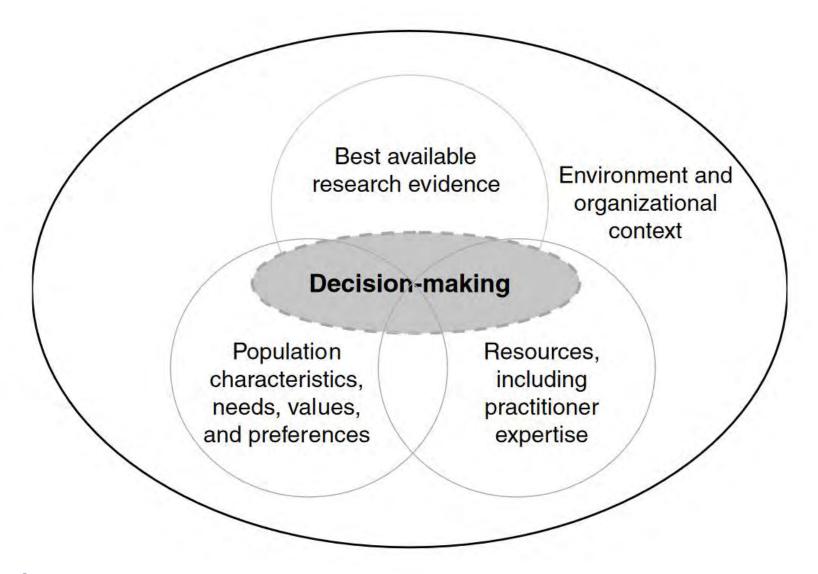


Partager les connaissances sur les interventions scientifiquement éprouvées et prometteuses pouvant être mises en œuvre dans le système de santé: Quelles sont les pratiques cliniques énoncées dans le Community Guide et le Guide du NICE?

Atelier 14 septembre, 2016

Tracie A Barnett, PhD INRS Institut Armand-Frappier





Domains that influence evidence-based decision making [from Spring et al. (151, 152)].

- Scientific literature in systematic reviews
- Scientific literature in one or more journal articles
- Public health surveillance data
- Program evaluations
- Qualitative data
 - Community members
 - Other stakeholders
- Media/marketing data
- Word of mouth
- Personal experience

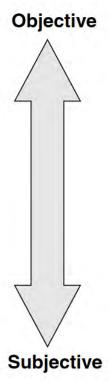
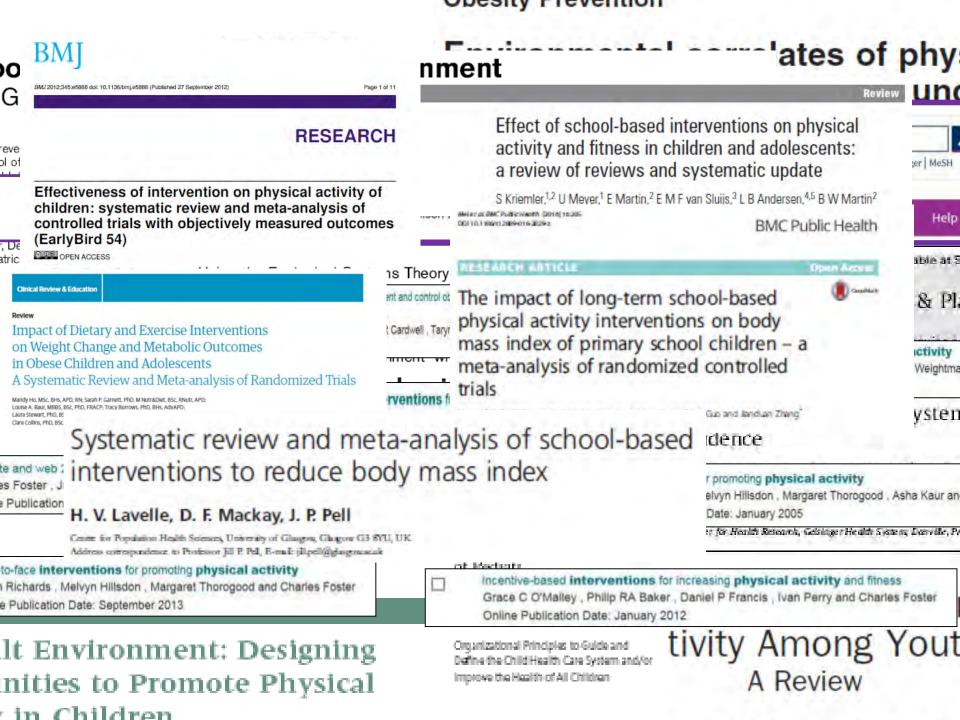


Figure 2

Different forms of evidence. Adapted from Chambers & Kerner (37).



Guide du NICE



National Institute for Health and Clinical Excellence (NICE)

https://www.nice.org.uk/

Community Guide



The Guide to Community Preventive Services

http://www.thecommunityguide.org/



Latest guidance

Save money

Latest guidance in consultation

Dementia: supporting people with dementia and their carers in health and

> Put guidance into practice

Spondyloarthritis Draft guidance consultation

Who we are

The history, structure and key responsibilities of NICE. Contains governance information, up-to-date policies, pocedures and publications.

Corporate information »

What we do

Our guidance, advice, quality standards and information services for health, public health and social care. Also contains resources to help maximise use of evidence and guidance.

> Find journals and databases

Find out more »

Communities

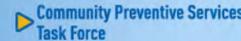
> Market access support

Essential information for key groups including GPs, local government, public health professionals and members of the public.

Get involved

View communities »





Search

Home

Task Force Findings .

Topics *

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Text Size: SMLX

Home » What Works: Evidence-Based Interventions for Your Community

What Works: Evidence-Based Interventions for Your Community



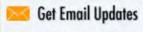
What Works fact sheets -- each on a different public health topic -- are colorful, easy-to-read summaries of Community Preventive Services Task Force findings and the systematic reviews on which they are based. Print "What Works" fact sheets as handouts for presentations or exhibits, attach them to webinar materials, or link to them from slides.

Each fact sheet has two separate pieces: a bi-fold brochure about the topic, and an insert that lists the Task Force findings on that topic. [Designed to print front-and-back, head-to-head in color, on white 8.5" \times 11" paper.] You can download these individually or as a combined file.

We welcome you to click on <u>Contact Us</u> to comment on the fact sheets and tell us how you use them.

Preventing Excess Alcohol Consumption

- What Works: Preventing Excess Alcohol Consumption Insert 💆 [PDF Size 288 kB]
- What Works: Preventing Excess Alcohol Consumption brochure and insert combined
 [PDF Size 992 kB]



Submit your email address to get updates The Community Guide topics of interest.

What's this?

Contact Us

- Email
- Address

In General, a Task Force Conclusion About Effectiveness Requires....

A <u>Body</u> of Evidence

Number and quality of studies;

Design suitability:

- More than 1 study
- Fewer studies if high quality and suitable design
- More studies if lower quality/unsuitable design

A Demonstration of Effectiveness

+

Consistency of Effect

+

"Most" studies demonstrate an effect in the direction of the intervention

Sufficient Magnitude of Effect

The effect demonstrated across the body of evidence is "meaningful"

46



The Community Guide - What works to promote health



NICE Pathways NICE Guidance Standards and indicators

Evidence services

Sign in

Search NICE...



Find guidance

Choose a category to find guidance in your area:

Conditions and diseases >

Health protection >

Lifestyle and wellbeing >

Population groups >

Service delivery, organisation and staffing >

Settings >

NICE guidance

By month In development Consultations

About NICE guidance

Lists of NICE guidance, including published guidance, in development and consultations

- > All NICE guidelines
- > Clinical guidelines
- > Public health guidelines
- > Social care guidelines
- Safe staffing guidelines
- > Medicines practice guidelines

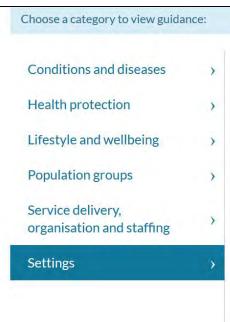
- Quality standards
- > Technology appraisal guidance
- Interventional procedures guidance
- Medical technologies guidance
- Diagnostics guidance



Browse guidance by topic

Choose a category to view guidance: Population groups Conditions and diseases Behaviour change Health protection Black and minority ethnic groups Lifestyle and wellbeing Carers Population groups Children and young people Service delivery, organisation and staffing Infants and neonates Settings > Older people People with learning disabilities People with physical disabilities Socio-economic status Vulnerable groups



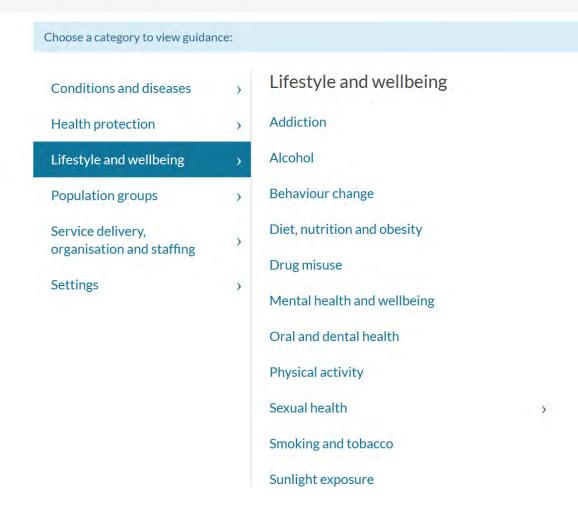


Settings Accident and injury prevention Care homes Communities Community engagement Drug misuse Environment Home Hospitals Prisons and other secure settings Schools and other educational settings Transport

Workplaces



Browse guidance by topic

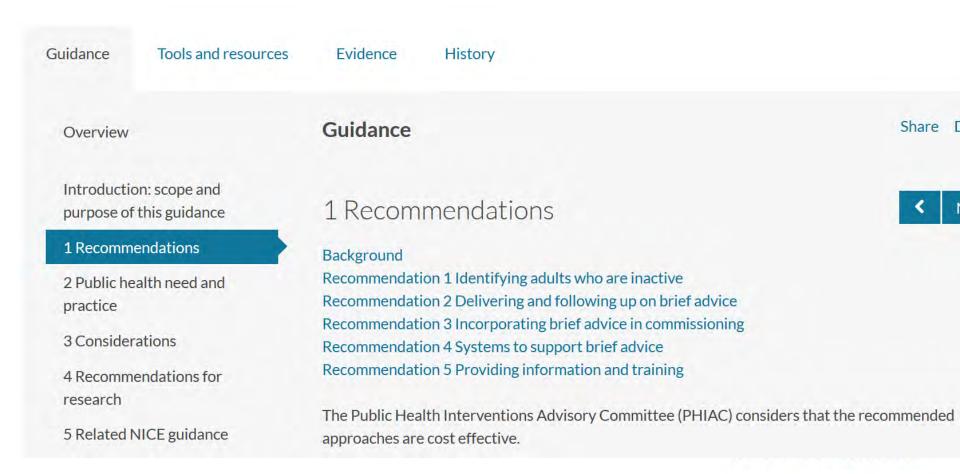




Home > NICE Guidance > Lifestyle and wellbeing > Physical activity

Physical activity: brief advice for adults in primary care

NICE guidelines [PH44] Published date: May 2013 Uptake of this guidance





Physical activity:

Brief advice for adults in primary care

(National Institute for Health and Clinical Excellence

Public Health Intervention Guidance)

14th November, 2012

Figure 9. A priori logic model for mixed methods evidence review (based on draft guidance scope)

FACTORS:

INFRASTRUCTURE

INDIVIDUAL (PROFESSIONAL)

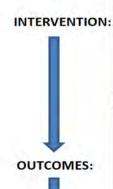
INDIVIDUAL (RECIPIENT)

- local systems
 - health checks
 - electronic record triggers
 - · Financial incentives

- Training and guidance for primary care professionals (eg "Every contact counts" programme)
- Knowledge, intentions, ability and confidence in giving brief advice
- Barriers and facilitators to delivery of brief advice
- Adherence to annual health checks
- Barriers and facilitators to uptake of brief advice

BRIEF ADVICE DELIVERED BY PRIMARY CARE PROFESSIONALS

- Person delivering
- · Method of delivery
 - · Type of advice
 - Duration
- · Setting eg: GPs, pharmacies, health centres, care homes, community centres)



- Changes in knowledge, attitudes and intentions in relation to physical activity attributable to annual health checks or incentive based systems
- · Infrastructure and improved access to services where brief advice is given
- Changes in professionals knowledge, attitudes, intentions in relation to physical activity
- Changes in professionals confidence in giving advice and attributable impacts
- Changes in behaviour to increase physical activity
- · Improved mental and physical health/quality of life; reduce risk of chronic diseases (inc stroke, CHD, diabetes, cancer, osteoporosis, depression)



- May include evaluation reports, for example focussing on annual health checks and the impact of financial incentives
- Likely to be more qualitative, including interviews and focus groups with primary care staff responsible for delivering interventions.
- Qualitative studies may focus on attitudes towards behaviour change.
- · Quantitative evidence including RCTs and other non-randomised evaluations of brief interventions to increase physical activity.





EFFECTIVENESS

RESULTS

STRUCTURAL/INFRASTRUCTURE

ES1:Brief advice (compared with usual care) increases self-reported physical activity.

ES2: No significant benefit was found for additional or longer interventions over and above brief advice.

ES5: Insufficient evidence whether interventions of 5-20 minutes more effective than those < 5 minutes.

ES10/ES227: Print materials, incentives and other support resources may influence intervention success – better quality materials may be needed.

ES12/ES29: Lack of time and conflicting priorities key barriers. Time is a proxy for other barriers.

ES23/28: Individual protocols for brief advice interventions can overcome barriers.

ES26 Practitioner training may be most effective where patient knowledge is low.

ES25: Incentives may overcome barriers to delivery/uptake.

ES30: the 'system' the intervention is delivered in can affect both its effectiveness and acceptability.

Brief advice in respect of physical activity in primary care is effective, but most or all of the benefit arises from interventions of moderate duration (5 -20 min). Providing more than brief advice will have cost implications but may have little additional benefit.

Giving GPs training in using proven brief advice protocols can overcome barriers such as time and conflicting priorities, especially where patient knowledge of PA benefits is lacking. It is unclear whether providing incentives and support materials increase the acceptability of interventions and better resources may be required.

All the structural factors outlined here need to be considered together rather than in isolation to facilitate positive changes in intervention delivery and physical activity uptake.

PRACTITIONER

ES6/11: Inconclusive evidence for additional benefit in combining brief advice with written materials – better resources may be needed.

The likelihood that brief physical activity advice will be delivered is affected by:

ES8: How the practitioner perceives patient characteristics.

ES9: Perceived likely uptake of advice by the patient.

ES10: Perceived effectiveness of physical activity advice and or/prescribing.

ES13: Practitioner confidence and knowledge about PA.

ES14: Practitioners' activity level.

ES15: Seen as within their remit/role.

ES13: Whether the advice is linked to the presenting condition.

ES22: Physicians' characteristics.

The credibility of the provider, as perceived by the patient and the provider themselves impacts on the effectiveness of brief advice and should be considered in terms of whether an intervention is likely to be successful. Practitioners' self-confidence and knowledge can impact on intervention delivery and therefore uptake of advice.

PATIENT

ES3: No difference in cardio-respiratory fitness as a result of receiving brief advice.

ES4: evidence too limited to draw conclusions with respect to mental health / wellbeing outcomes.

ES24: A limited range of behaviour change models were tested in the interventions. Most common uses Transtheoretical model/Stage of Change' approaches.

ES7: Brief advice may be less effective amongst economically disadvantaged populations.

There is a lack of evidence about what works for sedentary versus the general population.

The likelihood that brief physical activity advice will be acted on is affected by:

ES17: The patient's current activity level.

ES18: Recall and understanding of advice.

ES19: Whether the advice is preventative advice, or linked to a specific condition.

ES20: Awareness of physical activity recommendations.

ES21: If the patient feels listened to.

Further evidence on wellbeing outcomes is needed as well as understanding of what works for sedentary patients versus the general population and for disadvantaged populations.

Further understanding of the role of behaviour change models in designing effective interventions should be sought.

BEHAVIOUR CHANGE RESULTS

BARRIERS &

AND

FACILITATORS



Physical activity: brief advice for adults in primary care

NICE guidelines [PH44] Published date: May 2013 Uptake of this guidance

and the NICE project team

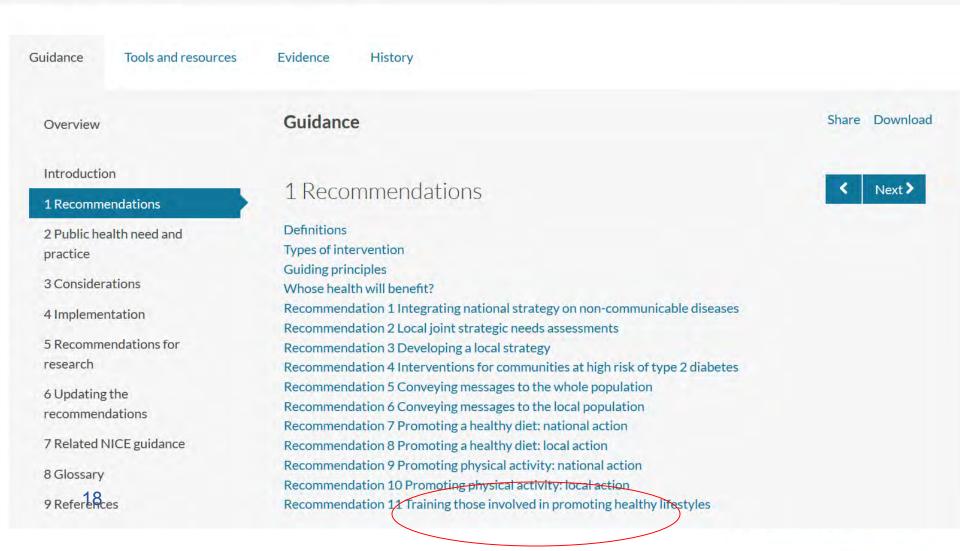
Share Download Guidance Overview Introduction: scope and 4 Recommendations for research Next > purpose of this guidance 1 Recommendations The Public Health Interventions Advisory Committee (PHIAC) recommends that the following research 2 Public health need and questions should be addressed. It notes that 'effectiveness' in this context relates not only to the size of practice the effect, but also to cost effectiveness and duration of effect. It also takes into account any harmful/negative side effects. 3 Considerations Where questions relate to the impact on physical activity, ideally this should be measured objectively as 4 Recommendations for well as using self-reporting. research Where relevant, studies to answer the questions below should report the differential effectiveness 5 Related NICE guidance according to, for example: gender, socioeconomic status, age and disability. 6 References 4.1 How does the duration and frequency of brief advice influence its effectiveness and cost 7 Summary of the methods effectiveness? For example, do 'micro interventions' of less than 1-2 minutes have an impact on used to develop this guidance physical activity? 8 The evidence 4.2 What impact does brief advice to promote physical activity have on mental wellbeing? 9 Gaps in the evidence 4.3 What impact does the delivery of brief advice by different primary care practitioners – for example, GPs and practice nurses - have on physical activity? For example, is the perceived 10 Membership of the Public value of the information greater when provided by a particular primary care practitioner? Health Interventions How do different types of training help primary care professionals identify people who are 4.4 Advisory Committee (PHIAC)

inactive and deliver brief advice? What type of training is most effective?

Home > NICE Guidance > Conditions and diseases > Diabetes and other endocrinal, nutritional and metabolic conditions > Diabetes

Type 2 diabetes prevention: population and community-level interventions

NICE guidelines [PH35] Published date: May 2011



Weight management: lifestyle services for overweight or obese children and young people

NICE guidelines [PH47] Published date: October 2013

Guidance Tools and resources	Evidence History
Overview	Guidance Share Download
Introduction: scope and purpose of this guidance	Introduction: scope and purpose of this guidance Next>
1 Recommendations	What is this guidance about?
2 Public health need and practice	Who is this guidance for?
3 Considerations	What is this guidance about?
4 Recommendations for research	This guidance aims to provide recommendations on lifestyle weight management services for overweight and obese children and young people. The recommendations cover:
5 Related NICE guidance	planning services
6 Glossarv	• commissioning programmes



Guidance

Share Down

Introduction: scope and purpose of this guidance

1 Recommendations

2 Public health need and practice

3 Considerations

4 Recommendations for research

5 Related NICE guidance

6 Glossary

7 References

8 Summary of the methods used to develop this guidance

9 The evidence

10 Gaps in the evidence

11 Membership of the Programme Development Group (PDG) and the NICE project team

1 Recommendations



Background

Principles of weight management for children and young people

Lifestyle weight management programmes

Whose health will benefit?

Recommendation 1 Planning lifestyle weight management services for children and young people

Recommendation 2 Commissioning lifestyle weight management programmes for children and young people

Recommendation 3 Lifestyle weight management programmes: core components

Recommendation 4 Developing a tailored plan to meet individual needs

Recommendation 5 Encouraging adherence to lifestyle weight management programmes

Recommendation 6 Raising awareness of lifestyle weight management programmes: commissioners and

Recommendation 7 Raising awareness of lifestyle weight management programmes: health professionals, other

programme providers

professionals and voluntary organisations

Recommendation 8 Formal referrals to lifestyle weight management programmes

Recommendation 9 Providing ongoing support: health professionals

Recommendation 10 Providing ongoing support: lifestyle weight management programmes

Recommendation 11 Lifestyle weight management programme staff: training

Recommendation 12 Lifestyle weight management programme staff: knowledge and skills

Recommendation 13 Training in how to make referrals to a lifestyle weight management programme

Recommendation 14 Supporting lifestyle weight management programme staff and those making programme

referrals

Recommendation 15 Monitoring and evaluating programmes

- Ensure all lifestyle weight management programmes for overweight and obese children and young people are multi-component. They should focus on:
 - o diet and healthy eating habits
 - physical activity
 - o reducing the amount of time spent being sedentary
 - o strategies for changing the behaviour of the child or young person and all close family members.
- Ensure the following core components, developed with the input of a multidisciplinary team (see recommendation 2) are included:
 - Behaviour-change techniques to increase motivation and confidence in the ability to change. This
 includes strategies to help the family identify how changes can be implemented and sustained at home.
 - o Positive parenting skills training, including problem-solving skills, to support changes in behaviour.
 - An emphasis on the importance of encouraging all family members to eat healthily and to be physically
 active, regardless of their weight.
 - A tailored plan to meet individual needs, appropriate to the child or young person's age, gender, ethnicity, cultural background, economic and family circumstances, any special needs and how obese or overweight they are. This should include helping them and their family to set goals, monitor progress against them and provide feedback (see recommendation 4).
 - Information and help to master skills in, for example, how to interpret nutritional labelling and how to modify culturally appropriate recipes on a budget.
 - Help to identify opportunities to become less sedentary and to build physical activity into their daily life
 (for example, by walking to school and through active play).
 - A range of physical activities (such as games, dancing and aerobics) that the children or young people enjoy and that can help them gradually become more active.
 - Information for family members who may not attend the programme itself to explain the programme's aims and objectives and how they can provide support.
 - Ongoing support and follow-up for participants who have completed the programme.

Type 2 diabetes prevention: population and community-level interventions

NICE guidelines [PH35] Published date: May 2011

Guidance Tools and resources Overview Introduction 1 Recommendations 2 Public health need and practice 3 Considerations 4 Implementation 5 Recommendations for research 6 Updating the recommendations 7 Related NICE guidance 8 Glossary 9 References Appendix A: Membership of the

Programme Development

Group (PDG), the NICE project

team and external contractors

Appendix B: Summary of the

Guidance

Evidence

History

Share Download

5 Recommendations for research



The Programme Development Group (PDG) recommends that the following research questions should be addressed. It notes that 'effectiveness' in this context relates not only to the size of the effect, but also to cost effectiveness and duration of effect. It also takes into account any harmful/negative side effects.

- 1. How effective and cost effective are interventions which use either a 'total population' or 'high-risk population' approach to preventing type 2 diabetes among people from black and minority ethnic or lower socioeconomic groups?
- 2. What are the most effective and cost effective ways of developing, implementing and assessing tailored and culturally appropriate community-level interventions to prevent type 2 diabetes among people at high risk? This includes people from a range of black and minority ethnic groups and those from lower socioeconomic communities.
- 3. Which participatory approaches are most effective and cost effective among populations at higher risk of type 2 diabetes? This should consider the awareness, knowledge, understanding and skills of the providers of interventions for people at high risk of developing type 2 diabetes?
- 4. How do socioeconomic, environmental, biological and psychosocial factors determine diet and physical activity behaviours and how do they contribute to differences in the risk of developing type 2 diabetes?
- 5. How do financial factors (including incentives, pricing and taxation of food and incentives, and pricing for physical activity opportunities) affect food and physical activity choices?

More detail on the gaps in the evidence identified during development of this guidance is provided in appendix D.

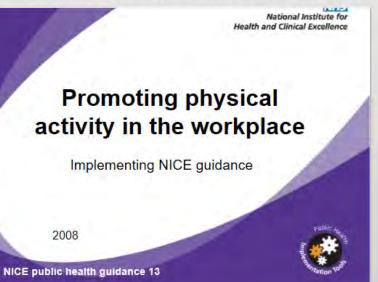
DESIGN TRANSITIONS ANIMATIONS

SLIDE SHOW

REVIEW

VIEW

EndNote X7



Recommendations

- Policy and planning
- Physical activity programme
- Supporting employers



The physical activity programme (1)

The programme could include:

- flexible working policies
- policies to encourage walking, cycling or the use of other transport involving physical activity
- · dissemination of information, for example, on local opportunities to be physically active
- ongoing advice and support

23 confidential, independent health checks

The physical activity programme (2)

The programme should:

- encourage employees to walk, cycle or use other forms of transport involving physical activity to travel to and from work
- help employees to be physically active during their working day
- Encourage employees to set physical activity goals
- take account of the nature of the work and any health and safety issues



Home » Topics » Physical Activity

Physical Activity

- Behavioral and Social Approaches
- Campaigns and Informational Approaches
- Folicy Approaches

Publications

Increasing Physical Activity



Studies show that regular physical activity reduces the risk for depression, diabetes, heart disease, high blood pressure, obesity, stroke, and certain kinds of cancer. Yet, the 2008 Physical Activity Guidelines Advisory Committee of notes that data from various national surveillance programs consistently show most adults and youth in the U.S. do not meet current physical activity recommendations, e.g., 45% to 50% of adults and 35.8% of high school students say they get the recommended amounts of moderate to vigorous physical activity.

How much physical activity is enough to impact health? The 2008

Physical Activity Guidelines for Americans

provides science-based recommendations for population subgroups,

fincluding:



Text Size: SMLXL



Informational Approaches to Increasing Physical Activity RECOMMENDED INTERVENTIONS Community-Wide Campaigns 83 Point-of-Decision Prompts 86 INSUFFICIENT EVIDENCE TO DETERMINE EFFECTIVENESS OF THE INTERVENTION* Mass Media Campaigns 88 Classroom-Based Health Education Focused on Providing Information 89 Behavioral and Social Approaches to Increasing Physical Activity RECOMMENDED INTERVENTIONS School-Based Physical Education 91 Individually-Adapted Health Behavior Change Programs 92 Social Support Interventions in Community Settings 94 INSUFFICIENT EVIDENCE TO DETERMINE EFFECTIVENESS OF THE INTERVENTION* College-Based Health Education and Physical Education 96 Classroom-Based Health Education Focused on Reducing Television Viewing and Video Game Playing 97 Family-Based Social Support Environmental and Policy Approaches to Increasing Physical Activity RECOMMENDED INTERVENTIONS Creation of or Enhanced Access to Places for Physical Activity Combined with Informational Outreach Activities 100 Point-of-Decision Prompts 102

160%

Conclusion du Community Guide What works: increasing physical activity

INTERVENTION	TASK FORCE FINDING
Campaigns and informational approaches	
Community-wide campaigns	
Stand-alone mass media campaigns	♦
Classroom-based health education focused on providing information	♦
Behavioral and social approaches	
Individually adapted health behavior change programs	
Social support interventions in community settings	•
Family-based social support	.
Enhanced school-based physical education	
College-based physical education and health education	•
Classroom-based health education to reduce TV viewing and video game playing	♦
Environmental and policy approaches	
Community-scale urban design and land use policies	
Creation of or enhanced access to places for physical activity combined with informational outreach activities	
Street-scale urban design and land use policies	
Transportation and travel policies and practices	*

www.thecommunityguide.org



WHAT WORKS

Obesity Prevention and Control

Evidence-Based Interventions for Your Community

TASK FORCE FINDINGS ON OBESITY

The Community Preventive Services Task Force (Task Force) has released the following findings on what works in public health to control overweight and obesity. These findings are compiled in The Guide to Community Preventive Services (The Community Guide) and listed in the table below. Use the findings to identify intervention strategies you could use for your community.

Recommended

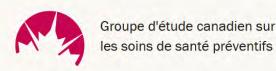




(See reverse for detailed descrip

INTERVENTION	TASK FORCE FINDING
Provider-Oriented Interventions	
Provider education	\Q
Provider feedback	\Q
Provider reminders	\Q
Provider education with a client intervention	\Q
Multicomponent provider interventions	♦
Multicomponent provider interventions with client interventions	\Q
Interventions in Community Settings	
Interventions to reduce screen time	
Behavioral interventions to reduce screen time	
Mass media interventions to reduce screen time	\Q
Technology-supported interventions	
Multicomponent coaching or counseling interventions to reduce weight	
Multicomponent coaching or counseling interventions to maintain weight loss	
Interventions in specific settings	
Worksite programs	
School-based programs	♦

RECHERCHE



À propos du GECSSP Lignes directrices du GECSSP Lignes directrices évaluées Méthodologie Ressources Actualités

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Actualités

SOLLICITE VOTRE AIDE POUR DÉSIGNER LES CAN-DIDATS POTENTIELS AUX POSTES DE PRÉSIDENT ET DE VICE-PRÉSIDENT DU GROUPE D'ÉTUDE CANA-DIEN SUR LES SOINS DE SANTÉ PRÉVENTIFS (GECSSP)

29 MARS, 2016

Madame, Monsieur,

Par la présente, je sollicite votre aide pour désigner les candidats potentiels aux postes de président et de vice-président du Groupe d'étude canadien sur les soins de santé préventifs (GECSSP) [www. canadiantaskforce.ca] (http://canadiantaskforce.ca/?lang=fr-CA).

Poursuivre la lecture

Examen pelvien	Retard du développement	Cancer du poumon
Cancer colorectal	Déficience Cognitive	Obésité juvénile
Obésité adulte	Cancer de la prostate	Dépression
Cancer du col de l'utérus	Hypertension artérielle	Diabète de type 2
Cancer du sein		

Tabagisme chez les enfants et les adoles-

cents

LIGNES DIRECTRICES ÉVALUÉES

Hépatite C

LIGNES DIRECTRICES EN COURS D'ÉLABORATION

Lignes directrices



Anévrisme aortique abdominal

GUIDELINES

Recommendations for prevention of weight gain and use of behavioural and pharmacologic interventions to manage overweight and obesity in adults in primary care

Canadian Task Force on Preventive Health Care*

See also CMAJ Open research articles, www.cmajopen.ca/content/2/4/E268 and www.cmajopen.ca/content/2/4/E306

Competing interests: See end of article.

This article has been peer reviewed.

*The complete list of authors appears at the end of the article. The complete list of current members of the Canadian Task Force on Preventive Health Care is he prevalence of obesity in adults has increased worldwide and has almost doubled in Canada, from 14% in 1978/79¹ to 26% in 2009–2011,² with 2% of men and 5% of women having a body mass index (BMI) score greater than 40 (Appendix 1, available at www.cmaj.ca/lookup/suppl/doi:10.1503/cmaj.140887 /-/DC1).³ Over two-thirds of Canadian men (67%) and more than half of Canadian women (54%) are

problems develop in middle age. However, this overall mean increase masks substantial variation in the population, and some people remain weight stable over long periods, whereas others experience substantial gains and losses. Currently, we cannot predict future health effects of weight gain over the life course.

The causes of obesity are complex. Although excess adiposity is ultimately the result of an imbal-



Ces ressources sont inestimables-

- Exemple de l'expertise à l'Institut national de santé publique du Québec : http://www.inspq.qc.ca/expertises
- Exemple de l'Institut national d'excellence en santé et services sociaux http://www.inesss.qc.ca/
- Exemple du portail canadien des pratiques exemplaires au Canada http://cbpp-pcpe.phac-aspc.gc.ca/fr/
- Exemple du National Institute for Health and Care Excellence au Royaume-Uni : https://www.nice.org.uk/
- Exemple du Guide to Community Preventive Services What works to promote health aux États-Unis :

http://www.thecommunityguide.org/

La mise en oeuvre des stratégies prometteuses en promotion des saines habitudes de vie doit être contextualisées afin de tenir compte des besoins et préférences de populations spécifiques et des caractéristiques des milieux d'intervention..... Mettons a profit les guides et standards existants dans le NICE et le Guide









Des communautés mobilisées pour des jeunes en forme et en santé









Messages

- Innovation et creativité est valorisée mais inutile de ré-inventer la roue: consultez les ressources sur les interventions demontrées efficaces
- La validité interne y est, mais il faut plus d'études sur la validité externe (comment adapter les interventions a différents contextes ou milieux et pour différentes populations?



www.cmdo.ca/devenir-membre

