The SCPN Art & Design Prize-winning design 2018

Dougal





Hello, I'm Dougal!

According to the European Code Against Cancer, you should be physically active in everyday life and limit the time you spend sitting - the recommendation is 30 minutes of moderate physical activity per day to help stack the odds against developing cancer. It doesn't have to be all at once - even 10 minutes brisk dog walking can make a difference.

Just like you, I need exercise too - and now you've got a dog to walk! Start adding those 10 minutes up!

'A dog with two tails' is dog walking a preventative strategy?

Professor Nanette Mutrie

Physical Activity for Health Research

Centre

University of Edinburgh

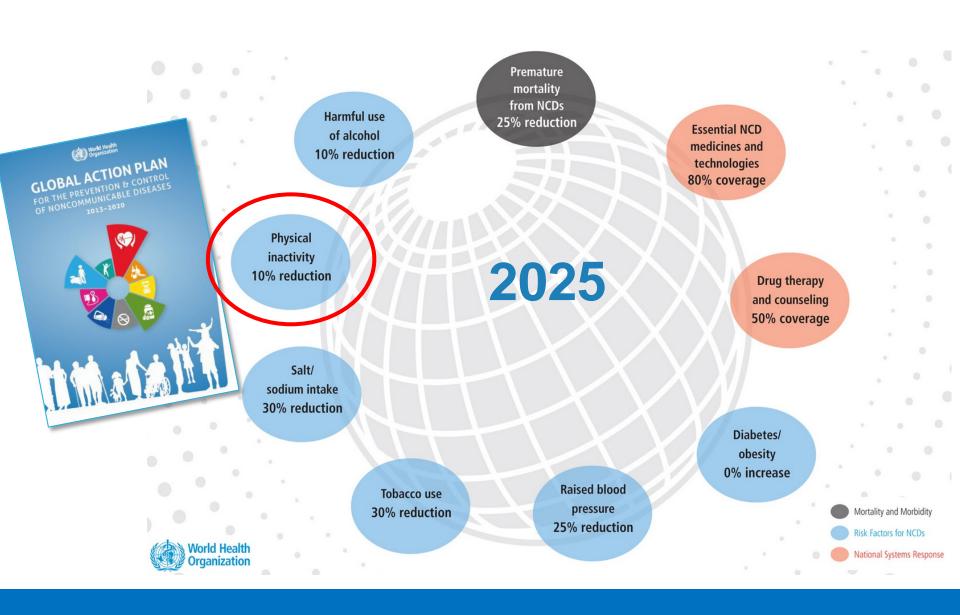




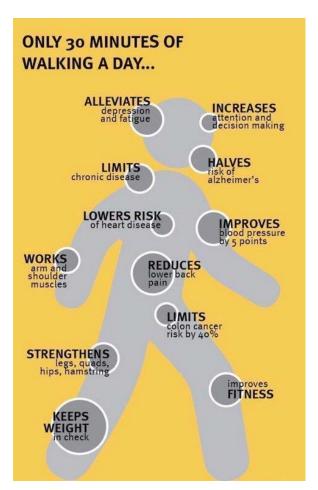
Tail 1

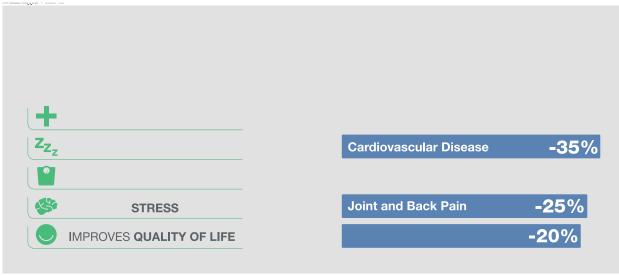
Reminder of the importance of physical activity for prevention

Global targets for NCDs



[Insert 100s of slides about benefits of activity]





Physical activity and cancer: an umbrella review of the literature including 22 major anatomical sites and 770 000 cancer cases

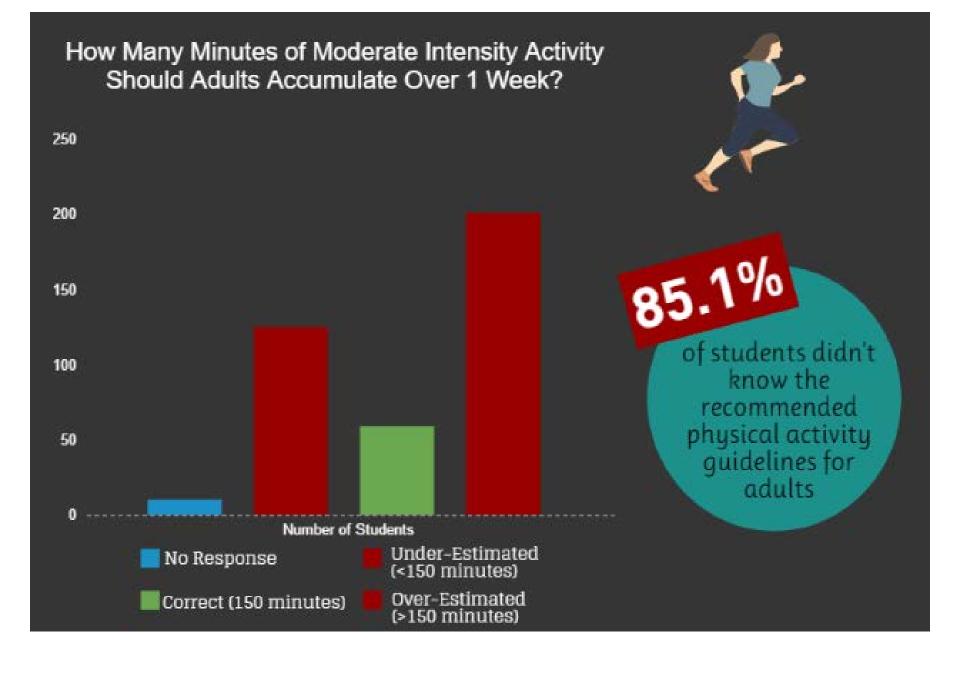
- Largest review to date
- Regular physical activity will have protective effects on both colon cancer and breast cancer
- Other cancers may also be shown to have reduced risk from physical activity

as evidence builds

To cite: Rezende LFMde, Sá THde, Markozannes G, et al. Br J Sports Med Published Online First: [please include Day Month Year]. doi:10.1136/ bisports-2017-098391

What is the UK Government recommended amount of moderate PA for adults?

- A. 60 minutes per day
- B. 30 minutes per day
- C. 150 minutes per week
- D. 5 x 30 minutes per week



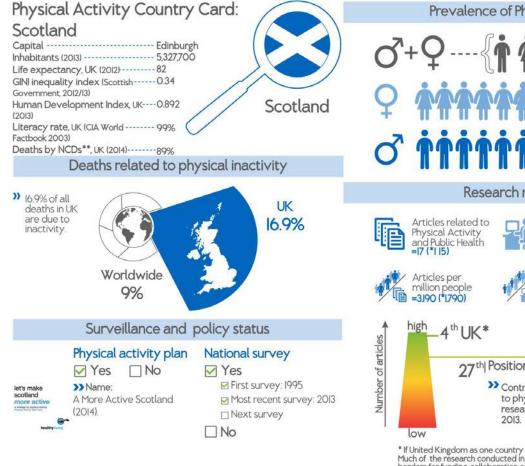


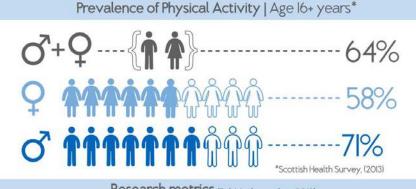
otland

Scotland

Scotland Scotland

Scotland





Research metrics (PubMed search in 2013)











For description of the indicators and data sources: www.globalphysicalactivity observatory.com/appendix



^{**} Non-communicable diseases



ISPAH

Contact Information

Education and Health

Edinburgh Scotland

Sciences University of Edinburgh,

Name

Nanette Mutrie

Institution: Institute for Sport, Physical



Source: http://www.globalphysicalactivityobservatory.com/card/?country=SH

7 Investments that work for physical activity

- 'Whole-of-school' programs
- Transport policies and systems that prioritise walking, cycling and public transport
- 3. Urban design regulations and infrastructure that provides for equitable and safe access for recreational physical activity, and recreational and transport-related walking and cycling across the life course
- Physical activity and NCD prevention integrated into primary health care systems

- 5. Public education, including mass media to raise awareness and change social norms on physical activity
- 6. Community-wide programs involving multiple settings and sectors & that mobilize and integrate community engagement and resources
- 7. Sports systems and programs that promote 'sport for all' and encourage participation across the life span



Tail 2

How can dogs help?

Ask your neighbor- how can dogs help or hinder?

How can dogs help?

• 1. Dog owners are more active than nonowners

How can dogs help?

- 2. Dog walking is
 - A sustainable activity built into every day
 - With wide reach
 - UK 25 % of households own dogs
 - US 47%
 - Australia 39%

How can dogs help?

- 1. Dog owners are more active than non-owners
- 2. Dog walking is
 - A sustainable activity built into every day
 - With wide reach
 - UK 25 % of households own dogs
 - US 47%
 - Australia 39%
- 3. People with dogs have personal trainers!
 - The Lassie effect
 - The weather is irrelevant
 - Happiness is the motivation

'The Lassie Effect'

- Dogs can help us be active by providing
 - Motivation
 - Encouragement
 - Obligation
 - Social support
- And thus be performing 'life saving' acts!

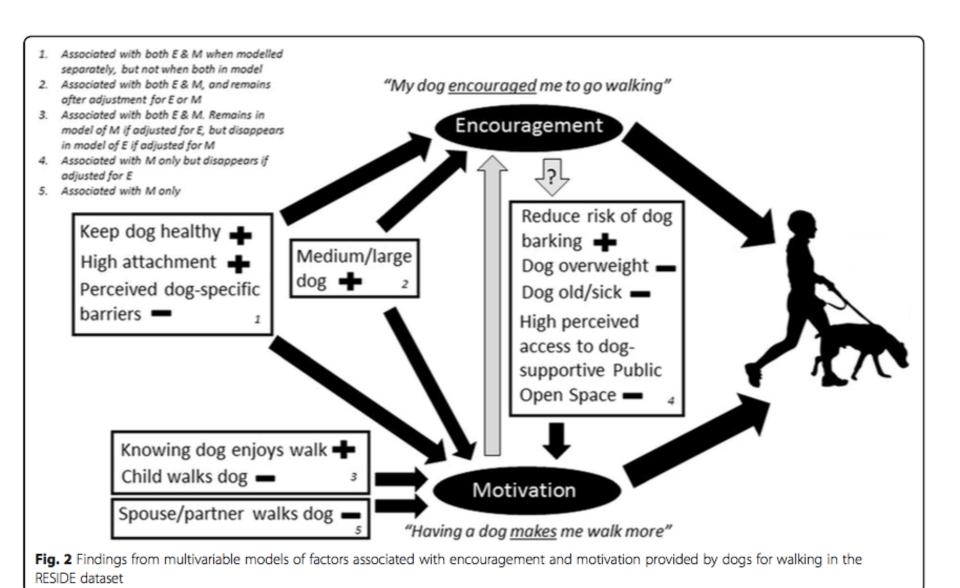
RESEARCH ARTICLE

Open Access

Understanding how dogs encourage and motivate walking: cross-sectional findings from RESIDE



C. Westgarth^{1*}, M. Knuiman² and H. E. Christian^{2,3,4}



Some take away messages from that study

- Even small dogs need 60 mins a day
- Involve children in dog walks to build habit
- Add 5 mins to dog walks
- Add additional dog walks per day in summer months?
- Add long walks at weekends [with family]

If weather prevents you walkingget a dog!

- EPIC Norfolk study with 3123 participants [older adults]
 - 18% reported having a dog in their households
 - Two-thirds of dog owners walked their dogs at least once a day.
- Dog walkers were on average
 - 20% more physically active and spent 30 minutes less time sitting on the coldest, wettest, and darkest days than nondog owners did on long, sunny, and warm summer days.
- Wu Y, Luben R, Jones A Dog ownership supports the maintenance of physical activity during poor weather in older English adults: cross-sectional results from the EPIC Norfolk cohort *J Epidemiol Community Health* Published Online First: 24 July 2017. doi:10.1136/jech-2017-208987

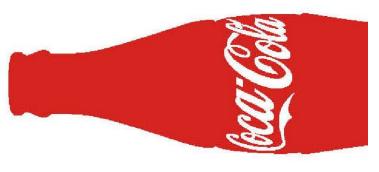
Happiness not health

- Owners are motivated to go dog walking because it makes them feel happy, not because of other health and social benefits.
- Messages focused on owner or canine health or social benefits have not been particularly successful.
- 'I Walk My Dog Because It Makes Me Happy: A Qualitative Study to Understand Why Dogs Motivate Walking and Improved Health' is published in the International Journal of Environmental Research and Public

Health [DOI:10.3390/ijerph14080936]



open happiness™





Happiness and physical activity?

Richards et al. BMC Public Health (2015) 15:53 DOI 10.1186/s12889-015-1391-4

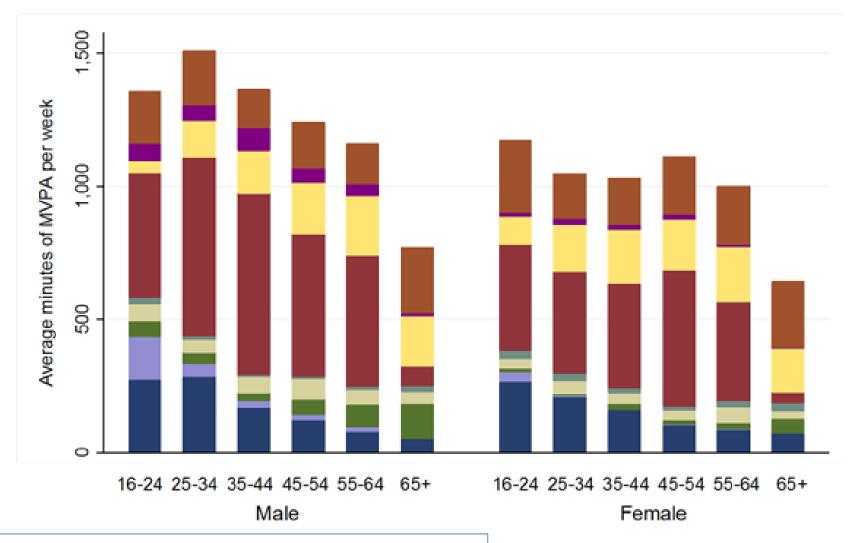


RESEARCH ARTICLE

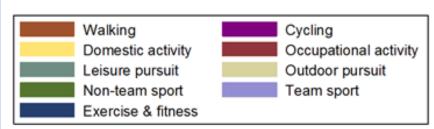
Open Access

Don't worry, be happy: cross-sectional associations between physical activity and happiness in 15 European countries

Justin Richards^{1*}, Xiaoxiao Jiang², Paul Kelly³, Josephine Chau¹, Adrian Bauman¹ and Ding Ding¹



Age- and sex-related differences in the domainspecific mean weekly minutes of MVPA and their relative contributions to total MVPA of adults who met the aerobic physical activity guidelines in Scotland (n=3016)





Active Living

Taking every opportunity to make an active choice

- Walk to train, stand on bus
- Cycle to shops
- Take stairs
- Wash car by hand
- Play outside with kids
- Standing/walking meetings at work
- Put movement into every day activity
- Sit less, walk more

And use the dog as your personal trainer- use Dougal if you do not have your own dog!

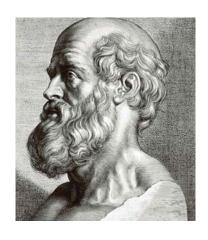
- Walk more often
- Walk longer
- Involve others
- BONUS
 - You are always outside!





How long have we known?

"If we could give every individual the right amount of nourishment and exercise, not too little and not too much, we would have found the safest way to health"



Hippocrates (460-370 BC)



