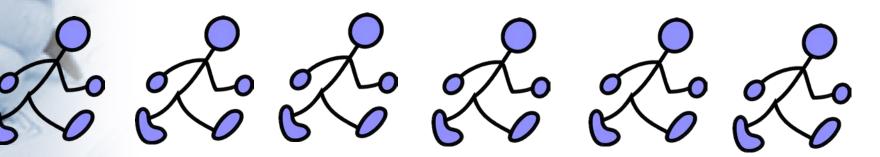
## Walking is the good news story for physical activity and health... and for liveable cities

Professor Nanette Mutrie MBE Director of Physical Activity for Health Research Centre [PAHRC] University of Edinburgh <u>www.ed.ac.uk/education/pahrc</u>



The Toronto Charter for Physical Activity: A Global Call for Action

Launched Toronto April 2010

International Congress Physical Activity for Health

Led by Professor Fiona Bull

Chair, Global Advocacy for Physical Activity, ISPAH



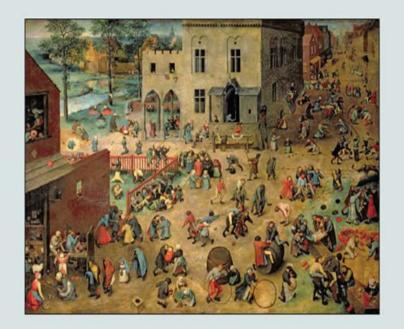
THE UNIVERSITY OF Western Australia



## THE LANCET

Physical Activity - July, 2012

- Physical inactivity has reached 'Pandemic' proportions
- Interventions are needed!
- July 2012



"In view of the prevalence, global reach, and health effect of physical inactivity, the issue should be appropriately described as pandemic, with far-reaching health, economic, environmental, and social consequences."

www.thelancet.com



# Regular physical activity reduces risk of:

- All-cause mortality
- Coronary heart disease
- High blood pressure
- Stroke
- Falling

- Metabolic syndrome
- Type 2 diabetes
- Breast cancer
- Colon cancer
- Depression

Lee et al. , Lancet, July 2012

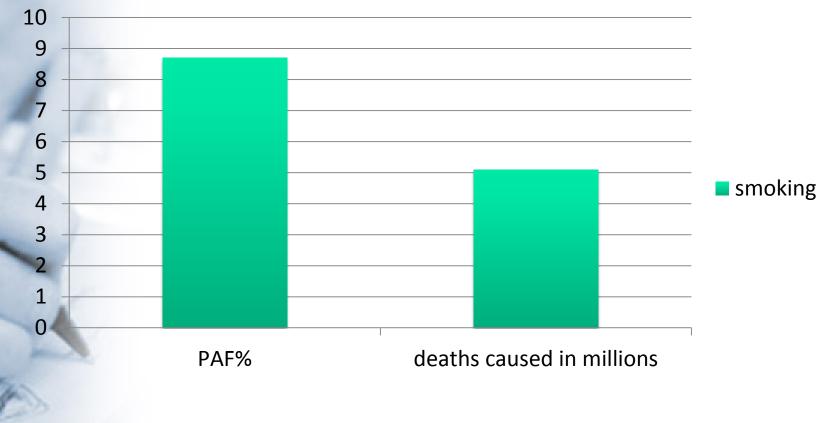


# Strong evidence of the following benefits for adults:

- Increased cardiorespiratory and muscular fitness
- Healthier body mass and composition
- Improved bone health
- Increased functional health
- Improved cognitive function

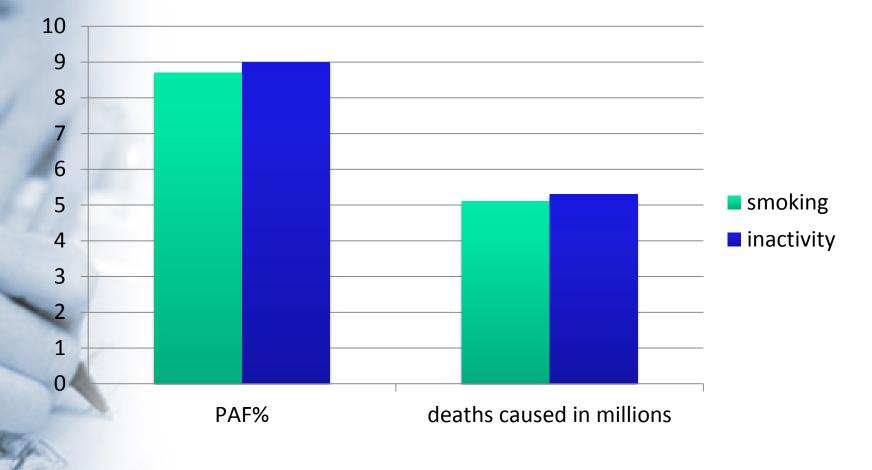
# How does the risk of inactivity compare with smoking?

smoking



Lee et al. , Lancet, July 2012

# How does the risk of inactivity compare with smoking?

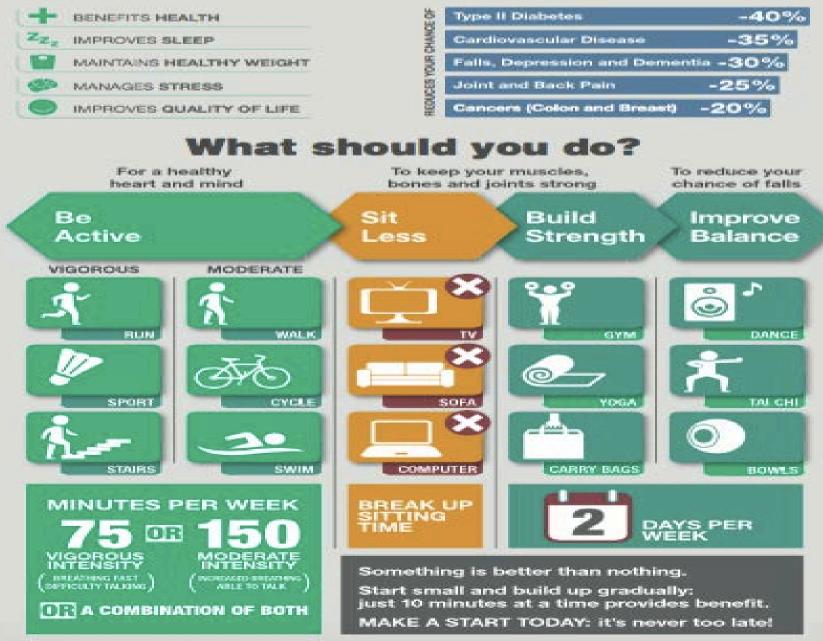


Lee et al. , Lancet, July 2012

#### Public health guidelines on Physical Activity CMOs 2011 'start active stay active'

- 150 mins of moderate activity/week
  - or 75 mins vigorous intensity per week
  - or combination
- Strength exercise at least two days/week
- Older adults all of above plus
  - balance and co-ordination
    2/days/week
- Limit sedentary behaviour

#### Physical activity benefits for adults and older adults



UK Chief Medical Officers' Guidelines 2011 Start Active, Stay Active: http://startactive

#### **Vision: A More Active Scotland**

Physical activity is about getting people moving. Daily walking, playing in a park, going to a gym, training with a team or aspiring to win a gold medal - it really doesn't matter how people get active, it just matters that we do.

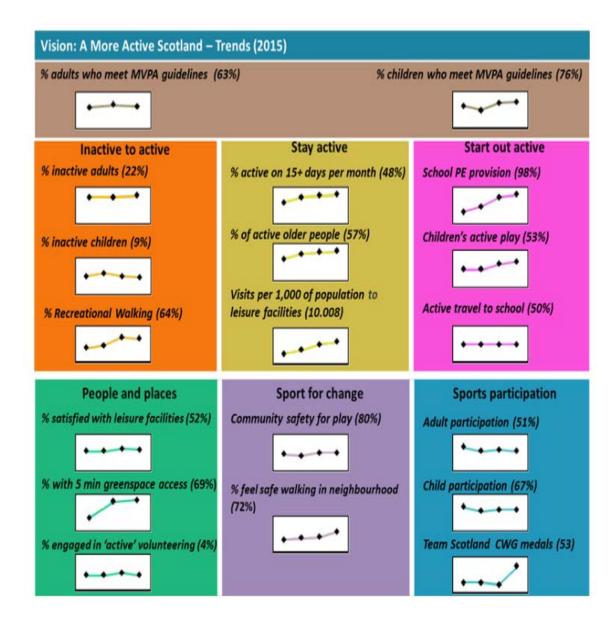
Being physically active contributes to our personal, community and national wellbeing.

Our vision is of a Scotland where more people are more active, more often.

National Outcomes									
Business	Employment	Research and Innovation		Young People	Early Years	Healthier		Inequalities Tackled	Life Chances
Safe from Crime	Sustainable Places	Resilient Communities		Environment Valued	National Identity	Impact on Environment		Older People Supported	Public Services
Active Scotland Outcomes									
We encourage and enable the inactive to be more active			We encourage and enable the active to stay active throughout life				We develop physical confidence and competence from the earliest age		
We improve our active infrastructure – people and places			re th	We support wellbeing and resilience in communities through physical activity and sport			We improve opportunities to participate, progress and achieve in sport		

Equality: Our commitment to equality underpins everything we do

http://www.gov.scot/Topics/ArtsCultureSport/Spor t/Outcomes-Framework



http://www.gov.scot/Topics/ArtsCultureSport/Sport/ Outcomes-Framework/Dashboard

## **7** Investments that work for physical activity

#### • 'Whole-of-school' programs

- 2. 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
- 4. 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



The ABC of Physical Activity for Health: A consensus statement from the British Association of Sport and Exercise Sciences BASES Journal of Sport Sciences 2010

- A- all adults; B- beginners; C-conditioned
- Beginners
  - Something is better than nothing
  - Set achievable goals
  - Find enjoyment
  - Seek support



# For almost everyone the best place to start is to increase walking

- Walking is the easiest mode of activity for inactive people :
  - to get started with
  - ♦ to sustain
- 2) Confers all the major benefits of activity
- 3) Can be done for transport or recreation





The Campaign to Get America Walking



## Walking and mental health

↓ symptoms of anxiety and stress
 ↓ symptoms of depression

- ↓cognitive decline among older people
- self-reported energy levels
- Affective response
- Psychology of Physical Activity Determinants, Well-Being and Interventions, 3<sup>rd</sup> Edition Biddle, Mutrie Gorely [2015]

- ←→ with better cognitive performance at school
- The cognitive functioning of older adults
- size of the hippocampus and prefrontal cortex



### Let's Get Scotland Walking -

- National Walking Strategy (NWS) published in 2014
- Is a key step in the delivery of the National Physical Activity Implementation Plan (NPAIP): Building a Legacy from the Commonwealth Games.
- Sits within the context of the Active
  Scotland Outcomes Framework

# Help make Scotland a 'walking friendly' country

- http://www.stepchangescot.scot
- We want people to walk more everyday to work, to school, for health and wellbeing, to enjoy the outdoors and just for fun!

#### A Step Change for Scotland

100

EDUCATION

Implement safer routes

to nurseries, schools,

colleges and universities

to encourage daily

walking

#### AIR QUALITY

More people walking and cycling will help reduce air pollution. It's not far, leave the car

E235.1>

TRAVEL Encourage walking for short journeys and as a key part of multi-mode trips

> BUILT ENVIRONMENT Design our towns and cities to be walkable, safe, attractive, and sustainable

WALKING FOR HEALTH Offer free community walking programmes supported by trained volunteers

1-1-1

2-2-2

GREEN INFRASTRUCTURE Enable easier access to parks, greenspaces and wider countryside for everyone

A.

LOCAL

Supporting economic activities, including tourism, through improved walking opportunities WORKPLACE Promote walking as an important part of the working day

PATH NETWORKS Provide good quality, maintained multi-use path networks in and around communities

HEALTH & SOCIAL CARE Promote the benefits of walking for mental and physical wellbeing

EVERYONE, EVERYWHERE Walking is free, fun, healthy and for

everyday journeys

#### Let's Get Scotland Walking

Everyone can help make Scotland a 'walking friendly' country #stepchangescot, www.stepchangescot.scot





### This looks Liveable!

- Walkability
- Sustainable transport
- Use of green spaces
- Safe social spaces
- See what makes a city liveable
- http://www.livablecities.org/blog/newereport-89-defining-livable-cities







#### Find out more: www.pathsforall.org.uk

## Find a Health Walk near you: <u>www.pathsforall.org.uk/findahealthwalk</u>



## Community Pedometer Pack







#### Conclusions

- Walking provides the best bet for encouraging people to be active for health and happiness
- Active travel to school [walking and cycling] is static and needs further promotional efforts [environment + education + behaviour change]

## Discussion and question time

- Stand up if you would like to- and discuss with neighbour
- What this has made you think about
- Is there a question you want to ask?

