Public Health & Sustainability: The Triple Bottom Line

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Tuesday, April 28th 2015
Melton Mowbray, PLANNING, HEALTH & WELLBEING, A 21st Century Approach
A 21st Century Approach to planning, health & wellbeing?

How do we create the right conditions to meet the needs and develop the assets of people now...

...without compromising the ability of others, in future (or elsewhere now) to meet their own needs, and to live a life of comparable quality and value?
Sustainable, Resilient, Healthy People & Places

A Sustainable Development Strategy for the NHS, Public Health and Social Care system
Sustainable, Resilient, Healthy, Places and People

Enable the positives

Reduce the negatives
What does a good health and wellbeing depend upon?

A healthy natural environment: water, food, air quality, biodiversity, green spaces...

A society where people are enabled to take control of their health and look out for each other.

Organisations take their contribution to society, and their local communities, their staff and those they serve seriously, as part of their core business.

Organisations and communities that are economically viable, create sustainable economic progress, and adopt sustainable business models.

Environmental sustainability: Living within planetary limits

Social sustainability: Healthy and resilient people and communities

Economic sustainability: Fair and sustainable economic system

Health and wellbeing

Sustainable Development Unit
Working across the NHS, Public Health and Social Care system

www.sduhealth.org.uk
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<th>4 Areas</th>
<th>12 Themes</th>
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<td><strong>A. Housing and place.</strong></td>
<td>1. Housing / energy / fuel poverty</td>
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<td>2. Planning, infrastructure, built environment</td>
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<td>3. Natural environment, green spaces, air quality</td>
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<td>4. Transport, access, and active travel</td>
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<td>5. Food and water</td>
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<td><strong>B. Jobs and Skills.</strong></td>
<td>6. Jobs, local economy / prosperity</td>
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<td>7. Education, training, skills</td>
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<td><strong>C. Family, friends and community</strong></td>
<td>8. Asset based community development, Faith Groups; Social capital / cohesion / isolation;</td>
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<td>9. Inequalities, resilience, adaptation, extreme weather events</td>
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<td><strong>D. Services</strong></td>
<td>10. Social/health care – prevention / outcomes</td>
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<td>11. Commissioning</td>
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<td>12. Procurement and waste reduction</td>
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Housing/energy/fuel poverty

• Affordable lifetime homes) incl. affordable retro-fit

• Safer housing (both urban and rural)
  – Fragility > Frailty > Falls > Fracture
    • “For the want of a grab-rail, she had a trip; Because of a trip, she needed a hip…”
  – Floods – resilience - insurance

• Warmer housing
  – Lower costs of heating
  – Fewer winter excess admissions
  – Economically engaged workforce to insulate and refurbish

• Accessible
  – sustainable transport to education / shops / work / leisure
  – access to green spaces that promote physical/mental wellbeing
Fuel Poverty & Health Toolkit:
Search: UK Health Forum Fuel Poverty
Fuel Poverty: Improving health and wellbeing through action on affordable warmth

A guide for public health professionals, health and wellbeing boards and local authorities in England.
- a tool for directors of public health and their teams, health and wellbeing boards, and colleagues across local authorities who want to start, extend or improve their work on fuel poverty.

Download the full guide
Download the executive summary
Download the guide for primary care
Cost of poor housing to health and the health service

• See Liverpool Healthy Homes Programme

• The cost of poor housing to the NHS: BRE report
HEALTHY HOUSING SERVICE

A home insulation scheme supported by

NHS Nottingham City  NHS Nottinghamshire County

is offering

free* cavity wall insulation

SAVE up to £240 off your energy bills

Stop heating the street!

Sign up today:

t: 0115 947 2207
w: www.healthy-housing-service.com

*subject to scheme criteria

Managed by charity Nottingham Energy Partnership

nsp Nottingham energy partnership
Natural environment, green spaces

• **Health and Wellbeing in the Environment - Natural Environmental Solutions for a Healthier Northamptonshire.**
  – A comprehensive summary of the evidence of health benefits, cost savings, and partnerships that improve the health and wellbeing by using the natural environment for naturally healthy solutions.

• **NHS Forest**
  – See notes
Air quality is a good link between health and sustainability

- Highly localised
- Exacerbates acute admissions to hospital
- Measurable – including by citizen scientists
- Disproportionately affects poor areas
- Quality improved by low carbon policies
- Clear links to improved physical activity, social cohesion, biodiversity, and healthier places
Transport, access, and active travel
“The potential benefits of physical activity to health are huge. If a medication existed which had a similar effect, it would be regarded as a ‘wonder drug’ or ‘miracle cure’.”
Liam Donaldson, Annual report of the Chief Medical Officer, 2009
THIS ONE
RUNS ON FAT
AND SAVES YOU MONEY

THIS ONE
RUNS ON MONEY
AND MAKES YOU FAT
Essential evidence on the links, co-benefits and sustainable affects of linking transport and health: http://travelwest.info/projects/essential-evidence
Food
Help build a resilient food system for your community / city

http://bristolfoodpolicycouncil.org/
How one NHS Trust has led a county wide sustainable food SYSTEM – see slide notes
The economy
"Realising the twin benefits of lower carbon emissions and health requires deliberate policy choices" "Reducing emissions is not only compatible with economic growth and development – if done well it actually generates better growth than the old high-carbon model," said Stern.

http://newclimateeconomy.report/
Inequalities, resilience, adaptation, extreme weather events
Community flood resilience toolkit

• a two year Defra Pathfinder project into community flood resilience. Working with 15 communities in Northants to help them become more resilient to severe weather and flooding through offering a number of different packages.

• Online toolkit - http://www.floodtoolkit.com/
Adaptation to Climate Change
Planning Guidance for Health and Social Care organisations

Part of the formal Emergency Preparedness, Resilience and Response (EPRR) guidance for NHS, public health and social care organisations

Supersedes NHS Sustainable Development Unit Adaptation Guidance August 2012

January 2014

http://www.sduhealth.org.uk/
Search: Adaptation
JRF Climate Just

Why are some people more vulnerable to climate change than others, where are they and what can be done?

http://www.climatejust.org.uk/
Joint Strategic Needs Assessment: A Guide to Integrating Sustainability

Linking environment and health

A resource for policy and decision makers working on Joint Strategic Needs Assessment

November 2012

Working across the NHS, Public Health and Social Care system

The future is already happening – it’s just unevenly distributed.
Within 6 hours, the deserts of the world receive more energy than the world’s human population uses in a year.
Suitable for Concentrating Solar Thermal Power (CSP)
Source: DESERTEC Foundation
Based on Data from NASA and German Aerospace Center (DLR)

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Next steps

1. Working with key local authorities / HWBs
   - Northampton, Peterborough, Nottingham, Oldham, Sheffield, Kent, Kensington-Chelsea-Westminster, Hammersmith-Fulham, Wiltshire, Enfield, Suffolk, Portsmouth, Herts...

2. Supporting, and sharing expertise between Health and Wellbeing Boards on specific aspects of sustainable development, health and wellbeing.

3. Developing this on-line toolkit - *first draft launched 17*\textsuperscript{th} *September* 2014 by Deputy Chief Medical Officer, Professor David Walker at PHE Annual Conferences

4. Collating specific expertise, case studies, and toolkits
Environmental sustainability in health and care: Madingley Hall, Cambridge  28 29 Sept 2015

The social and environmental forces – the unsustainability of current models, climate change, public demand for change - shaping the future of human health and well-being are rapidly evolving. There is a growing recognition that better traditional models of health improvement and health and social care are more appropriate, deliver better results and do so within, and using, all the available environmental, social (and financial) resources. The health and care sector has recognised both the threats and opportunities that these and other sustainability challenges pose to the health and well-being of current and future generations. Addressing these requires a systemic approach that considers these trends as part of a large changing system: climate disruption, an ageing population, limited resources and financial constraints, increasing public and professional expectations, as well as new technologies, rules and regulations.

Since 2011, the University of Cambridge Programme for Sustainability Leadership and the Sustainable Development Unit have developed a programme to provide high-level workshops and a network for health sector leaders internationally. These seminars discuss how environmental changes and social trends are creating new strategic imperatives for health, and help health professionals explore co-benefits of approaches that enhance environmental sustainability, improve health, and deliver financial savings. To date, four seminars have been delivered involving approximately 140 health care professionals from around the world who are now part of a growing global network.
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