Cutting Carbon, Improving Health

Webinar

Sonia Roschnik - June 2012

www.sdu.nhs.uk
Imagine knowing that we’ve done our best to improve health and minimise our impact on the environment.

[www.sdu.nhs.uk](http://www.sdu.nhs.uk)
NHS England CO$_{2e}$ footprint 1990 – 2020 with Climate Change Act targets
Breakdown of NHS England 2010 emissions?

- Procurement: 65%
- Building energy use: 19%
- Travel: 16%
Carbon Reduction Strategy

- Energy and Carbon
- Procurement and Food
- Travel and Transport
- Waste
- Water
- Design of Built Environment
- Organisational and Workforce Development
- Partnerships and Networks
- Governance
- Finance
- Looking Ahead
4 organisational tasks

- Board Approved Sustainable Development Management Plan
- Good Corporate Citizenship Assessment Model
- Monitor, Review and Report on Carbon
- Raise carbon awareness at every level
NHS England Percentage of NHS organisations with board approved Sustainable Development Management Plans (SDMPs), May 2011

Legend
SDMP Percentage
- 65 - 69
- 70 - 75
- 76 - 82
- 83 - 87
- SHA
- SHA Clusters 2011

Source: NHS Sustainable Development Unit (SDU). Survey performed by Regional leads, May 2011
Ordnance Survey erpho 100040338 2011
Contains public sector information licensed under the Open Government Licence v1.0
Results of Public Opinion Survey:

Source: Ipsos MORI
http://www.sdu.nhs.uk/healthcheck2012
http://tiny.cc/w7fg5
<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
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<tbody>
<tr>
<td>health care as an institution led service</td>
<td>health and social care as part of the community</td>
</tr>
<tr>
<td>curative and fixing medical care</td>
<td>early intervention and preventative care</td>
</tr>
<tr>
<td>sickness</td>
<td>health and well-being</td>
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<tr>
<td>professional</td>
<td>personal</td>
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<tr>
<td>isolated and segregated</td>
<td>integrated and in partnership</td>
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<tr>
<td>buildings</td>
<td>healing environments</td>
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<td>decision making based on today’s finances</td>
<td>an integrated value of the future which accounts for the impacts on society and nature</td>
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<td>single indicators and out of date measurements</td>
<td>multiple score card information and in real time</td>
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<td>sustainability as an add on</td>
<td>integration in culture, practice and training</td>
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<td>waste and over use of all resources</td>
<td>a balanced use of resources where waste becomes a resource</td>
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<td>nobody’s business</td>
<td>everyone’s business</td>
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UCLH Route Map Progress to date
<table>
<thead>
<tr>
<th><strong>BEHAVIOURS</strong></th>
<th><strong>STANDARDS</strong></th>
<th><strong>INNOVATION</strong></th>
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<td><strong>Society</strong></td>
<td><strong>Individual</strong></td>
<td><strong>Models of care</strong></td>
</tr>
<tr>
<td>10:10 Campaign with 80 NHS and many other health related organisations signed up</td>
<td>Joint publications developed with professional associations, for GPs, nurses, finance, estates, human resource professionals and more</td>
<td>Future healthcare scenarios developed for 2030</td>
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<tr>
<td>BMJ and Lancet articles: climate change is biggest threat to health this century and mitigation interventions can improve health now</td>
<td>Royal College statements on sustainability or environmental issues</td>
<td>DH and NHS programme to increase value of care</td>
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<td>Public engagement workshops carried out with Which? the consumer association during 2011</td>
<td>Climate and Health Council encouraging health professionals to pledge personal action</td>
<td>Case studies of effective care on NHS evidence website</td>
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<td>Public Ipsos MORI survey on sustainable healthcare in November 2011</td>
<td>Many unions actively engaging on this agenda</td>
<td>GP commissioning standards developed for sustainable care</td>
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**SYSTEM GOVERNANCE**

- HM Treasury have standardised sustainability reporting for the public sector
- A Sustainability Reporting Framework was launched by DH in February 2011
- Since 2009, DH have included in their Statement on Internal Control/Annual Governance Statements a requirement to respond to the Climate Change Act
- Cross Government Climate Change Risk Assessment has taken place during 2011
- 74% NHS organisations had a board approved Sustainability Plan in place in May 2011
- NHS has been highlighted in UK analysis of strategic responses to global climate change
- Good Corporate Citizenship Awards in place

**USE OF RESOURCES**

- 1% reduction in carbon emissions from NHS building energy usage during 2010/11
- Carbon intensity of NHS in 2010 has reduced to around a third of the 1990 level
- King’s Fund publication on research and development in SD in health and social care
- Procurement best practice includes sustainability tools developed by DH & NHS SDU
- Government carbon reduction energy efficiency scheme first phase started with NHS a leading sector in signing up and submitting data
- Graphs developed to illustrate combined carbon and financial savings for NHS
- Prince of Wales and Soil Association recognise better food in 14 hospitals

**MODELS OF CARE**

- Launch of collaborative pharmaceutical research on standardised carbon footprint methodology for products
- Research on the carbon footprint of kidney care published

**TECHNOLOGY**

- Increased renewable energy available and used from national grid
- Evidence of impact of tele-health is published
- Increased use of Combined Heat and Power plants in the NHS from use of Energy Funds
- Additional funding schemes announced
- District heating schemes concept adopted more widely
- Small Business Research initiative includes SD in its core statement
- Life Sciences Innovation Delivery Board includes SD criteria
- Programme of hospital refurbishment research in place
Lessons from England

• Large Scale Change and Transformation
• Corporate Approach
• Triple Bottom Line
• Engagement
• Vision
• Ongoing
Next steps?

- Managing transitions/reforms
- Consolidation and Integration
- Patient and Public Engagement Toolkit
- Research and Development Strategy
- Pharmaceutical Sector foot printing guidance (global)
- Models of care
- SD Strategy?