

Healthy and Resilient Communities: PHE's contribution to the National Adaptation Programme

ARCC Network Assembly, 2014: Urban areas as systems: adapting for the future Birmingham 10 June 2014

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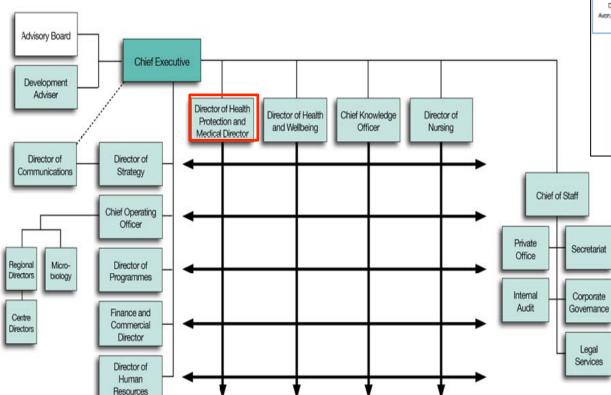
Public Health England

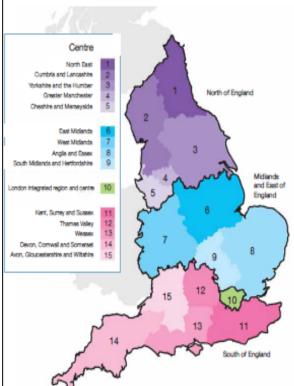
What we do

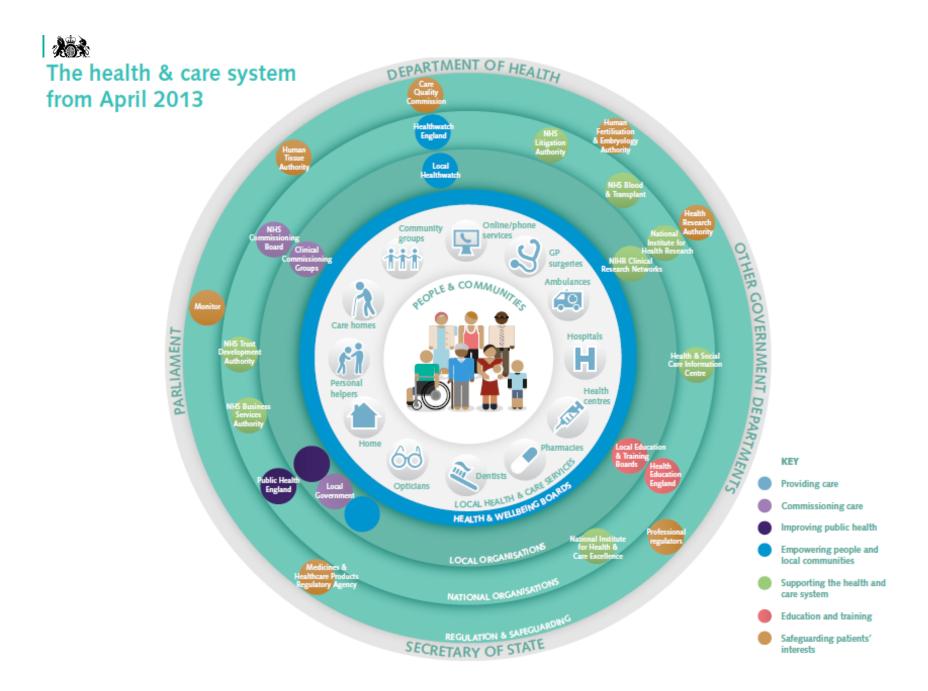
We work with national and local government, industry and the NHS to protect and improve the nation's health and support healthier choices. We are addressing inequalities by focusing on removing barriers to good health.



Public Health England









Adaptation and health - policy

Health Effects of Climate Change **2002** Health Effects of Climate Change **2008**

Health Effects of Climate Change **2012**

UKCIP02

Climate Change Act 2008

UKCP09

Climate Change Risk
Assessment
January 2012

National Adaptation Programme 2013

Committee on Climate Change

Adaptation Economic Assessment



CCRA 1 - 2012

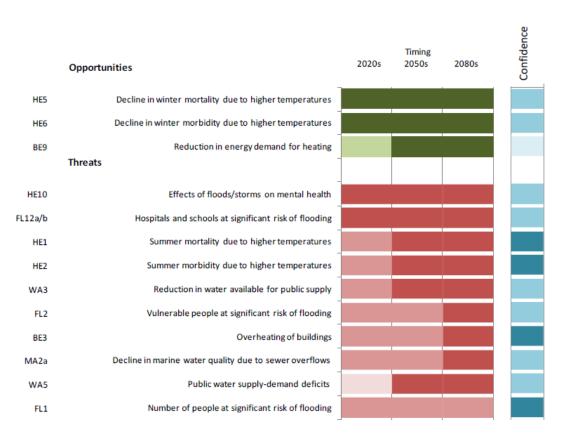


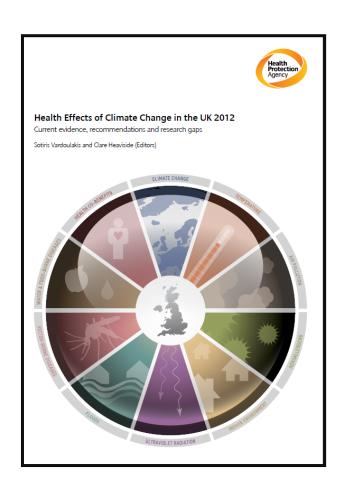
Figure 6.1 Summary of health and wellbeing impacts with an indication of direction, magnitude and confidence



159 Evidence Report



Health Impacts of Climate Change



- 1. Climate change in the UK: evidence and projections
- 2. Temperature effects
- 3. Air pollution
- 4. Aeroallergens
- 5. Health effects of cc in the indoor environment
- 6. Cc, ultraviolet radiation and health
- 7. Flooding
- 8. Vector-borne diseases
- 9. Water and food-borne diseases
- 10.Health co-benefits of policies to reduce greenhouse gas emissions



NAP Objectives – 'health'

Objective 11:

To reduce the risk of death and illness associated with severe weather events and climate change and increase preparedness and resilience to the impacts on public health.

Objective 12:

To promote climate resilience

within the NHS, public health and social care system to ensure continuity of services and resilient assets/ estates including the ability to deal with the increased demand for services associated with severe weather related events.

The National Adaptation Programme

Making the country resilient to a changing climate

July 2013

www.gov.uk/det



PHE and the NAP – some examples







www.gov.uk/defra

The National Flood Emergency

Framework for England

October 2013







Cold Weather Plan for England 2013

the case: why long-term strategic planning weather is essential to health and wellbeing











The Heatwave Plan & companion docs



















Making the case: the impact of heat on health - now and in the future

PDF, 350KB, 21 pages

This file may not be suitable for users of assistive technology. Request a different format.

Advice for health and social care professionals: supporting vulnerable people before and during a heatwave

PDF, 264KB, 18 pages

This file may not be suitable for users of assistive technology. Request a different format.

Advice for care home managers and staff: supporting vulnerable people before and during a heatwave

PDF, 264KB, 14 pages

This file may not be suitable for users of assistive technology. Request a different format.

Looking after yourself and others during hot weather

PDF, 328KB, 7 pages

This file may not be suitable for users of assistive technology. Request a different format.





Heatwave Alert Levels

Figure 2.1: Heatwaye Alert levels

ga. o 2.		South West	30	15	
Level 0	Long-term planning	Eastern	30	15	
	All year	West Midlands	30	15	
Level 1	Heatwave and Summer preparedness programme	East Midlands	30	15	
	1 June – 15 September	North West	30	15	
Level 2	Heatwave is forecast – Alert and readiness	Yorkshire and Humber	29	15	
	60% risk of heatwave in the next 2-3 days	North East	28	15	
Level 3	Heatwave Action				
	Temperature reached in one or more Met Office National Severe Weather Warning Service regions				
Level 4	Major incident – Emergency response				
	Central Government will declare a Level 4 alert in the event of severe or prolonged heatwave affecting sectors other than health				

LOCAL Threshold temperatures

Threshold maximum day and night temperatures defined by the Met Office National Severe Weather Warning Service (NSWWS) region are set out below.

Maximum temperatures (°C)

NSWWS Region	Day	Night
London	32	18
South East	31	16
South West	30	15
Eastern	30	15
West Midlands	30	15
East Midlands	30	15
North West	30	15
Yorkshire and Humber	29	15
North East	28	15



Research gaps for heat identified in HECC

- Quantification of preventable heat- and cold-related <u>mortality</u> and <u>morbidity</u>, focusing on vulnerable population groups.
- Understanding the role of the <u>Urban Heat Island</u> in exacerbating the impact of climate change on mortality rates.
- Improved understanding of the role of <u>planned adaptation</u> strategies and long-term physiological changes.
- Provision of input to public health plans, and evaluation of the effectiveness.



National Flood Emergency Framework for England

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/254292/pb14033-national-flood-emrgency-framework.pdf



The National Flood Emergency

Framework for England

October 2013









WHO Europe / PHE

Floods: Health effects and prevention in the WHO European Region

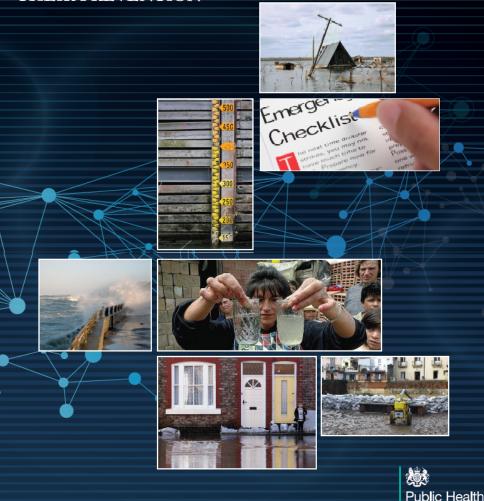




England

FLOODS IN THE WHO EUROPEAN REGION:

HEALTH EFFECTS AND THEIR PREVENTION





New advice leaflet:

- Based upon the findings of 4 focus group discussions
- Divided into flood stages (pre, during, post)
- Key messages agreed in the National Flood Emergency Framework
- A multi-agency approach to ensure consistent messaging across government departments.







Flooding: Advice for the Public

This document contains advice on:

- · planning for flooding before it happens,
- · what to do during a flood,
- · recovering and cleaning up after a flood

Public Health England has more information about health and flooding: www.hpa.org.uk/Flooding

The Environment Agency has more information about flooding: www.environment-agency.gov.uk/ homeandleisure/floods/

The Food Standards Agency has more information about food safety during flooding: www.food.gov.uk/ policy-advice/microbiology/flood

This document has been prepared by Public Health England in collaboration with the Environment Agency (England) within the EU project Public Health Adaptation Strategies to Extreme weather events (PHASE contract number EAHC20101103).



















Health following

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- health-related s health concerns
- family and social separation from
- stress relating t loss of socialisa
- feelings of loss
- economic stres homes, loss of resources
- stress arising fr

Floods – how

This leaflet provides and your family safe available at www.go

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- clean and disinfed using them with for to clean and sanit spoons if contami
- wash soft items (e detergent. If you s that a launderette waste-water syste

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Flooding – Frequently Asked Health Questions

"I think floods may be coming soon to my local area - what should I do?"

"What is the most dangerous thing about a flood?"

"What's the best health advice - isn't there a risk from bugs in the water?"

"Why doesn't PHE recommend testing floodwaters routinely?"

"What if I start to feel unwell?"

"Did many people fall ill after the summer 2007 floods?"

"How do I check if my local health services are affected (eg GPs, outpatient appointments)?"

"Should I take any precautions regarding my children?"

"Should I take any precautions regarding my pets?"

"Is food safe to eat?"

"How do I prepare food safely?"

"What do I do with flood-damaged food?"

"How should I clean up my home safely?"

"What should I do if my domestic property is flooded?"

"How and what to clean"

"What are the chemical hazards involved in floods and cleaning up?"

"Who is responsible for the safety of my mains water supply?"

"My mains water tastes funny - what should I do?"

"How do I use tap water that may be contaminated?"

"I've been advised to boil my mains water - what do I need to know?"

"What if my water comes from a private supply?"

"How do I clean bowls and buckets for water containers which have been in the floodwater?"

"How should I use the bowser and bottled water supplied to replace mains water?"

"How do I flush the toilet with no mains water?"

"What if the toilet can't be flushed at all because of blockage?"

"How will I know if my septic tank system has been affected?"

"If I don't have mains water how should I bottle feed my baby?"

"How do I bathe my child without mains water?"

"Can I use water for my contact lenses?"



Research gaps for floods identified in HECC

- Climate change is likely to affect <u>river</u> and <u>coastal</u> flood risk.
- Central <u>precipitation</u> estimates show winter rainfall increasing and summer rainfall decreasing.
- Understanding how floods (and droughts) affect both <u>physical</u> and <u>mental</u> health of populations.
- Development and evaluation of public health <u>action plans</u>, advice and guidance





PHE & NAP Work Programme

Stage 1 "Mapping and gapping"

Stage 2 Develop the PHE NAP work programme

Stage 3 Support local and national delivery, including public communication





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