

Protecting and improving the nation's health

# Heatwave Plan for England

## Summer preparedness 2020

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## Heatwave Plan for England

Prepare for, alert people to, and prevent, the major avoidable effects on health during periods of severe heat in England.

Sets out recommended actions for:

- National Health Service
- local government
- Social care
- professionals working with people at risk
- individuals, local communities and voluntary groups

# Heat-health risks

- Annual global temperature figures for 2019 confirm that the past decade was the warmest on record.
- High temperatures have significant health consequences and are associated with increased mortality and increased morbidity.



\*heatwave days are highlighted in grey



# Heat & COVID-19: Potential risks

- Potential increase in adverse outcomes amongst the same population groups affected by both high temperatures and COVID-19 For example, older people and those with comorbidities such as cardio-respiratory diseases
- Increase in exposure to indoor overheating due to COVID-19 restrictions. For example, people who have been advised to stay at home
- Increased social isolation, especially for those who are vulnerable to COVID-19
- Reduced access to cool public spaces for respite due to COVID-19 restrictions
- System-level risks related to concurrency of impacts For example, increased demand on social care services to prevent both heat and COVID-19 related harms

## Heat/COVID-19: Interacting individual risk

Both heat and COVID-19 infections put a strain on the heart and lungs, the kidneys and are linked with inflammation in the body

# Clinical vulnerabilities that have been linked with worse outcomes from COVID-19 that are also risks for heat related harms are:

- high blood pressure
- chronic obstructive pulmonary disease
- heart and lung conditions (cardiovascular disease)
- conditions that affect the flow of blood in the brain (cerebrovascular disease)
- kidney disease

# Heat/COVID-19: Higher risk groups/settings

Specific populations are at increased risk of exposure to heat due to the context in which they live include:

- Homeless people whether sleeping rough or in shelters
- **People resident in specific institutional setting** e.g. care homes, prisons, inpatient psychiatric units
- Some occupations, workplaces and schools particularly those involving significant manual exertional and/or heat generation (e.g. cooking, some manufacturing roles)

Many of these settings have restrictions in place to reduce COVID-19 transmission – additional considerations will be needed to ensure that plans are in place should

a heatwave occur

# Heat/COVID-19: Environmental risks

## Many more people will be at home this summer

- working from home, shielding to reduce their risk of infection, or self-isolating due to a COVID-19 infection in themselves or a contact
- 1 in 5 homes in England are prone to overheating

Urban heat island

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Availability of cool green spaces

PHE Heatwave plan for England: Summer 2020



garden

14 May 2020

23 °C

One in eight British households has no

The percentage of homes without a garden is higher among

ethnic minorities, with Black people in England nearly four times as likely as White people to have no outdoor space at home.

# Summer preparedness 2020

Slide deck: Heatwave plan actions Published 13 May 2014 Last updated 28 May 2020 - see all updates From: Public Health England, Department of Health and Social Care, and NHS England Documents Heatwave Plan for England .... COVID-19: Hot weather preparedness and response Ref: PHE publications gateway number: GW-1289 PDF, 1.67MB, 43 pages This file may not be suitable for users of assistive technology. Request an accessible The guidance and good practice recommendations in the Heatwave Plan for England Commissioners of health and social care (all settings) and local some ad Beat the Heat: coping with heat and Br. Beet The Heat 0 0 H COVID-19 (poster) COVID-1 authority Directors of Public Health (1) Ref: PHE publications gateway number: GW-1289 PDF. 205KB, 1 page · In addition to the actions set out in Page 20 of the Heatwave Plan for The follow This file may not be suitable for users of assistive technology. Request an accessible format. England: Co aut · work with partner agencies, providers and businesses to raise Beat the Heat: coping with heat and 2.awareness about the concurrent risk of hot weather and COVID-19 Pro COVID-19 (leaflet) ho encourage partners to sign up to the heat-health alert system Ref: PHE publications gateway number: GW-1289 PDF 382KB 15 pages Co ensure care homes and hospitals are aware of the heatwave plan and This file may not be suitable for users of assistive technology. Request an accessible are preparing for heatwave as a concurrent risk with COVID-19 o N⊢ · engage the community and voluntary sector to support communities to Beat the Heat: keep residents safe and well Bertha Had help those most at risk, especially those who are socially isolated All action during COVID-19 (poster and checklist) https://ww · ensure other institutional establishments (i.e. prisons, schools) are aware Ref: PHE publications gateway number: GW-1285 of heatwave guidance PDF, 250KB, 2 pages This file may not be suitable for users of assistive technology. Request an accessible · work with local partners to facilitate equitable and flexible access to 17 Heatway green public spaces during hot weather Heat-health risks and COVID-19: actions to prevent harm (slide set) Ref: PHE publications gateway number: GW-1289 HTML 18 Heatwave and summer preparedness 2020



# Beat the Heat: Coping with heat and COVID-19

#### Stay cool at home



#### Many of us will need to stay home this summer

#### Why is this important?

- to reduce the transmission of coronavirus (COVID-19) many people be will be working from home
- anyone with symptoms of COVID-19 will need to stay at home for at least 7 days, others may be advised to stay at home if they have been in close contact with someone who has COVID-19 or they are living in the same household as someone with COVID-19
- people who are extremely clinically vulnerable have been advised to limit their contact with
  others and to stay at home to limit their risk
- even during a relatively cool summer, 1 in 5 homes in England are likely to overheat

#### What can I do?

· Make sure you are aware of steps you can take to cool your home (see below)

## Indoor overheating – care settings

## **Healthcare estates**

- nearly 50% of NHS hospital trusts reported at least one incident of overheating that required a risk assessment<sup>1</sup>
- Limited capital investment in cooling measures eg insulation, external shading
- Ad hoc procurement of air conditioning during hot spells, use of fans, ice lollies



## Care homes

• culture of 'warmth', lack of effective heat management<sup>2</sup>

1. Estates Return Information Collection (ERIC) database, 2018; 2. https://www.climacare.org

## Indoor Overheating – healthcare estate

## **Cooling interventions**

• Rapid (pragmatic!) evidence review to support decisions in different settings

## **Heat and PPE**

• Briefing for Health and Safety Executive, targeted communications

## Indoor overheating – care homes



CARE

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## Additional actions

#### **Cooler Safer public spaces**

Briefing for local Directors of Public Health, 'Making the case' for equitable use of urban green
 space

## Advice for people who need to stay at home (incl. shield group)

• Focus on pre-heatwave planning and L2/L3 actions

### Hypervigilance of the Heat-Health alert system



# Heat & COVID-19: Key messages

COVID-19 amplifies the risks of hot weather

**Fear** of COVID-19 should not prevent action to tackle the risks from hot weather and heatwaves

It is **critical** that actions to prevent health harms from high temperatures **continue**, with necessary adaptations in line with coronavirus guidance to keep everyone **safe** 

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