

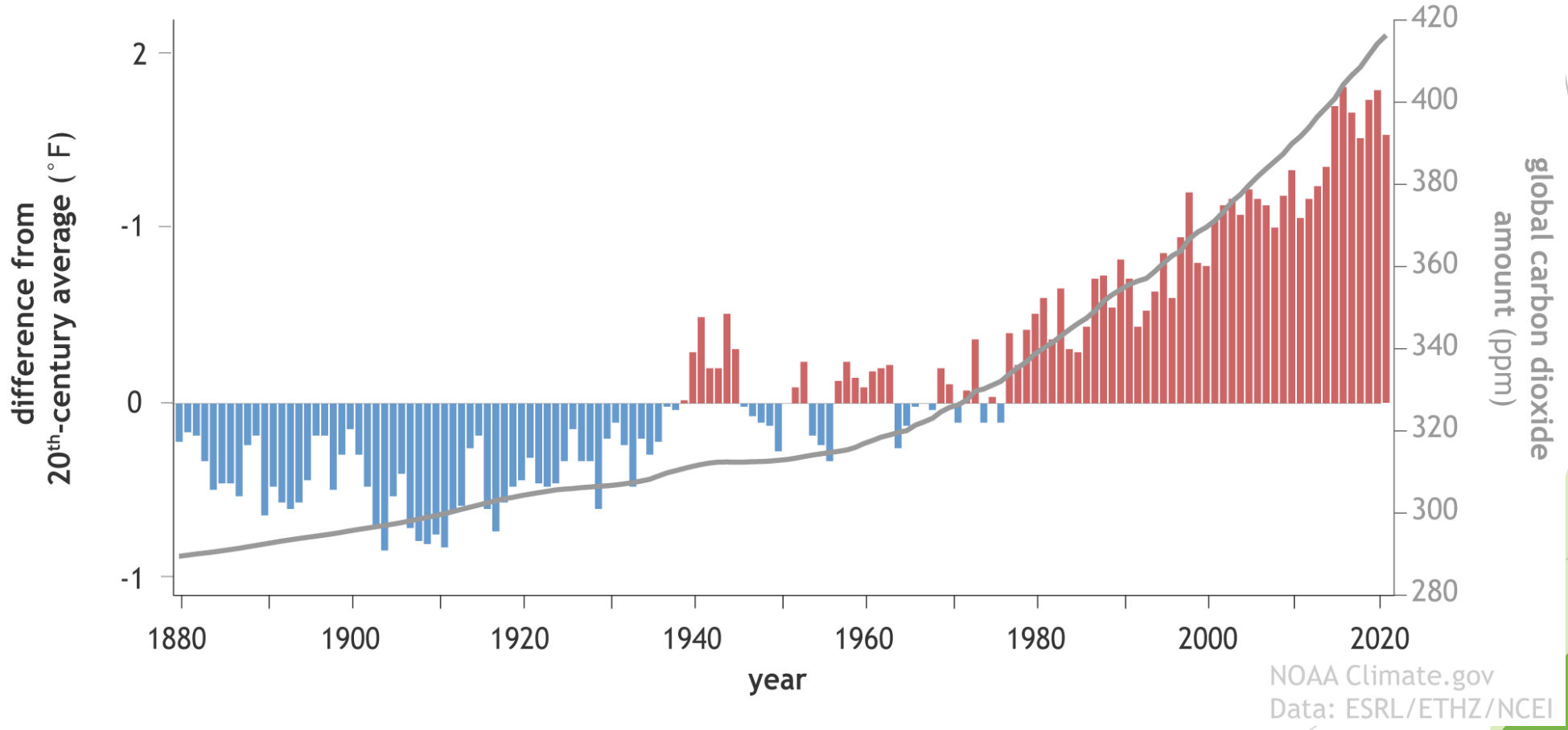
Greener CARE

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Devon Care Homes Collaborative

A warming world

Changes in global temperature and average atmospheric carbon dioxide (1880-2021)



Healthy planet, healthy people

- "*The science is unequivocal; a global increase of 1.5$^{o\ C}$ above pre-industrial average and the continued loss of biodiversity risk catastrophic harm to health that will be impossible to reverse*". (The Lancet, 2021)

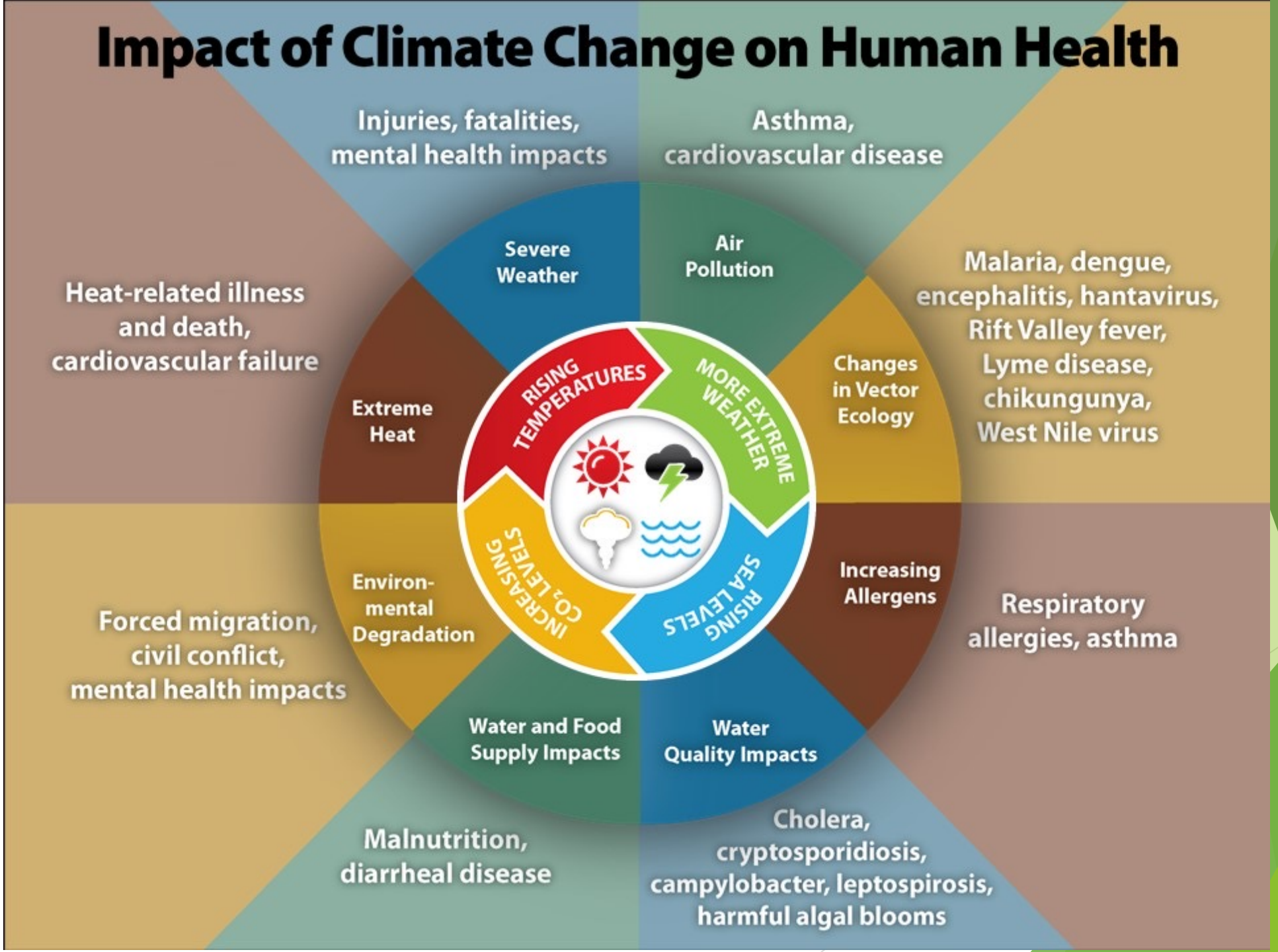
  - In the past 20 years, heat-related mortality among people older than 65 years has increased by more than 50%.[1]

  - In the UK, according to government statistics, air pollution is the largest environmental risk to public health. The annual mortality of human-made air pollution in the UK is roughly equivalent to between 28,000 and 36,000 deaths every year.[2]

The UK

- Less predictability and…
  - Warmer and wetter winters
  - Hotter, drier summers
  - Increase in frequency and intensity of extremes
- Increased risk of droughts, wildfires and flooding affecting humans and wildlife
- Increased food insecurity - crops threatened by changing weather and loss of biodiversity (globally and locally)
- Rising sea levels
- Loss of biodiversity as habitats threatened
- Increased risks to health, direct and indirectly impacted by global warming





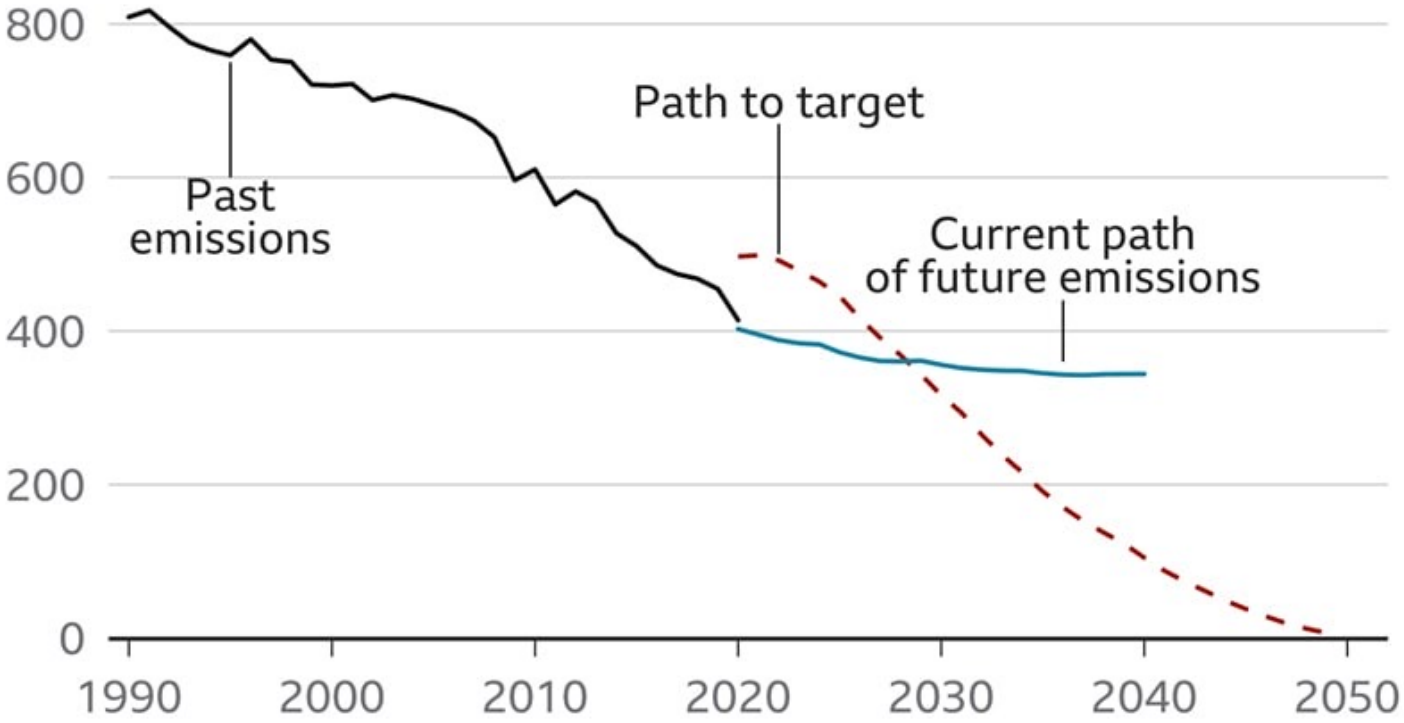
Credit: Centre of Disease and Control Prevention

Healthy planet, healthy people



UK will miss targets without more action

Megatonnes of greenhouse gas emissions a year



Emissions data for 2020 is provisional. Future emissions could be higher or lower.
Past and future emissions from UK gov, target path from Climate Change Committee

BBC

Understand the baseline

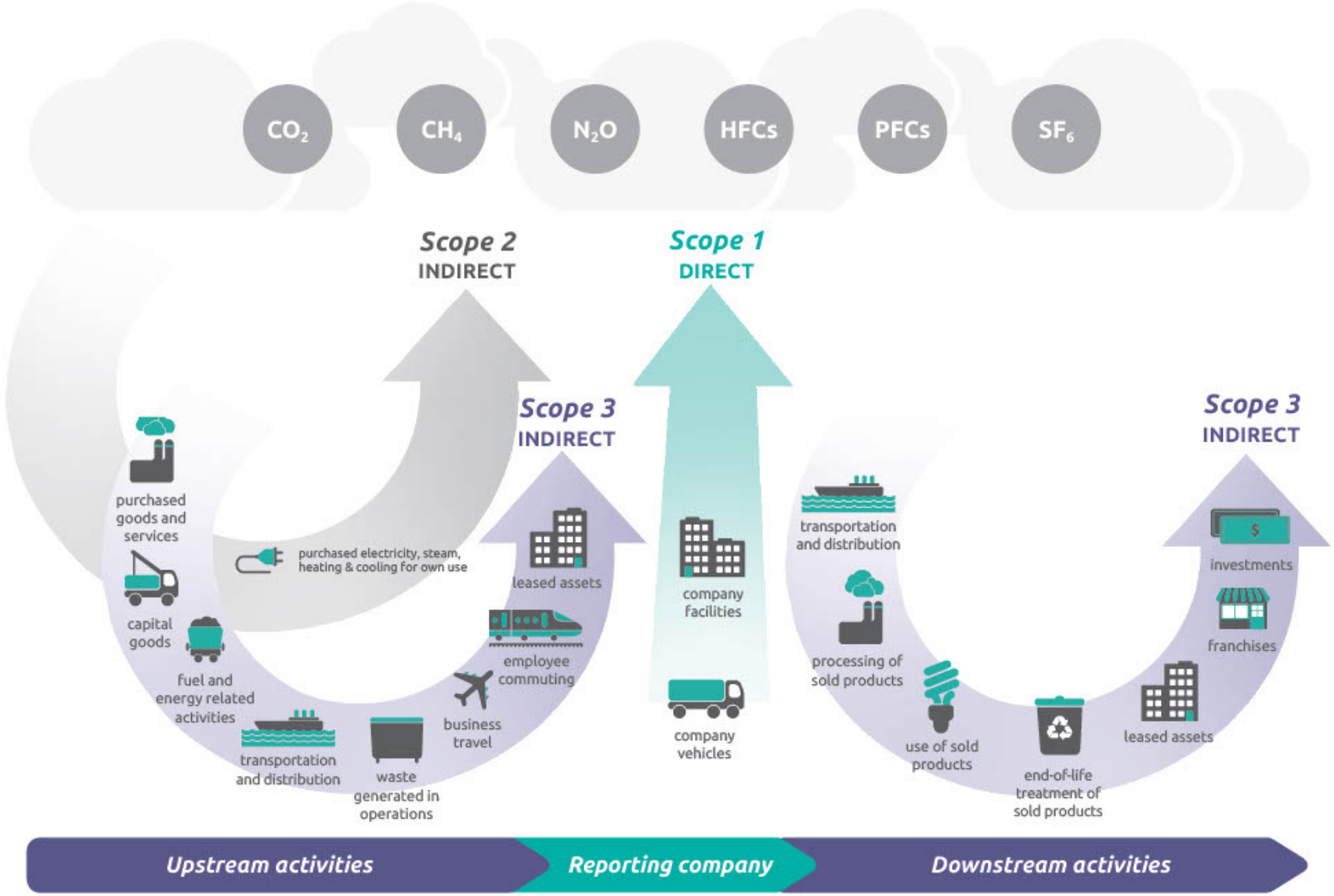
Measure your ‘carbon footprint’

- Carbon Trust offers a free tool for small businesses (Scope 1,2)
- SME Climate Hub offers free tool (Scope 1,2 and 3)
- NatWest tool has automated functionality with Sage Accounting
- Numerous paid for options

Define what you are measuring e.g. all scopes?, one home or multiple?

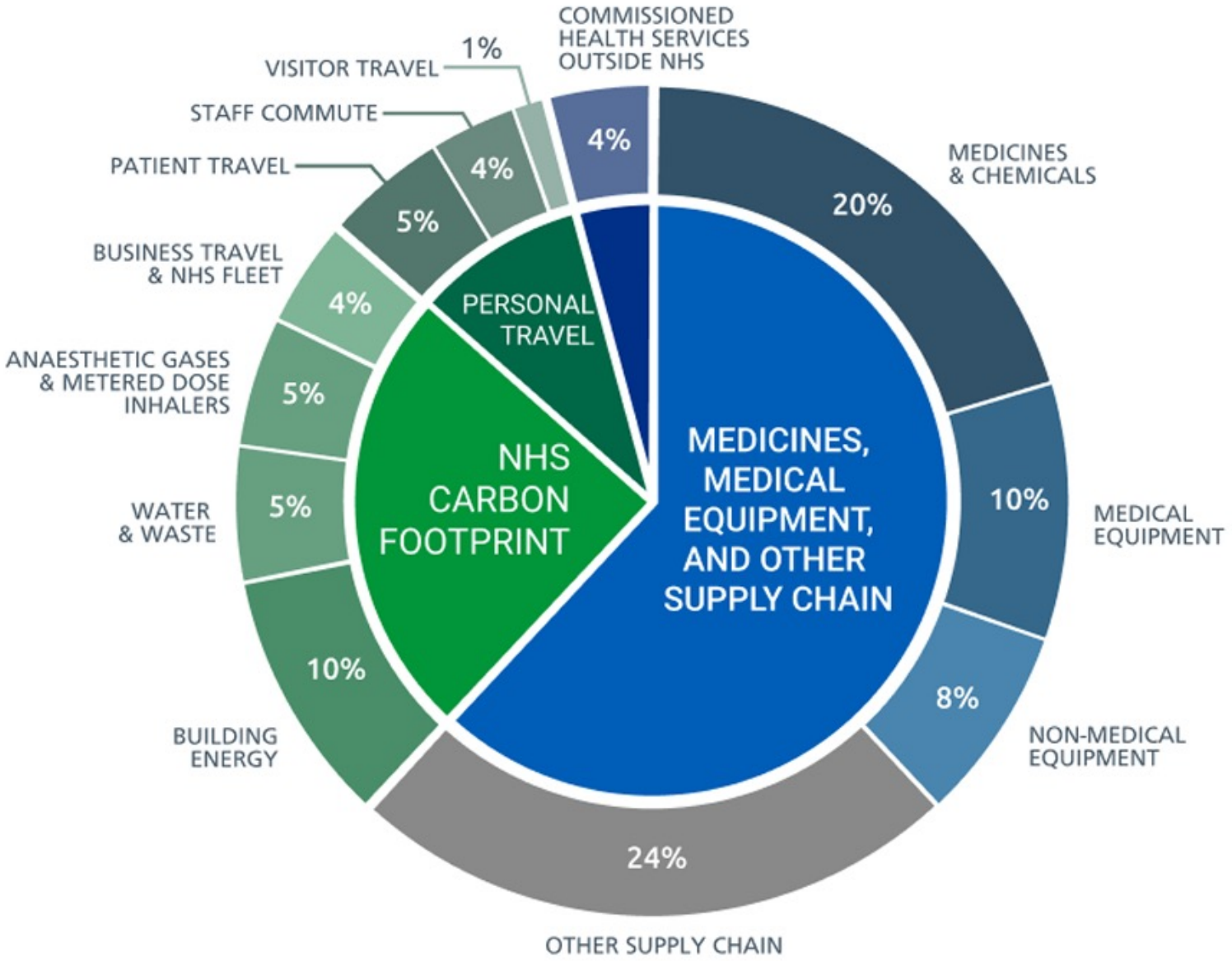
Capacity / funding

Figure [1.1] Overview of GHG Protocol scopes and emissions across the value chain



NHS and Care Homes

NHS	Care homes
Providing health needs	Providing care needs
Free at the point of care	Needs assessed
Managed centrally	Managed locally
Funded through taxation	State or privately funded placements
Temporary accommodation	Home
Coordinated provision single provider	Fragmented provision multiple providers
Subject to external scrutiny	Subject to external scrutiny
Requirement to report to government	Requirement to report to customers



Sources of carbon emissions by proportion of NHS Carbon Footprint Plus Delivering Net Zero NHS Plan Green

Environmental sustainability – sustainable development

Quality statement

We understand any negative impact of our activities on the environment and we strive to make a positive contribution in reducing it and support people to do the same.

Green Healthcare System

Jazla Fadda 2019

- Leadership
- Substitute harmful chemicals with alternatives
- Reduce, treat, and safely dispose of healthcare wastes
- Implement energy efficiency and clean, renewable energy generation
- Reduce hospital water consumption and supply potable water
- Improve transportation strategies for patients and staff
- Food
- Pharmaceutical Pollution and Safer Pharma
- Green Building
- Purchasing

Green Healthcare System: Main Features in Supporting Sustainability of Healthcare System—A Review

Green Care System

Jazla Fadda 2019

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- Substitute harmful chemicals with alternatives ✓
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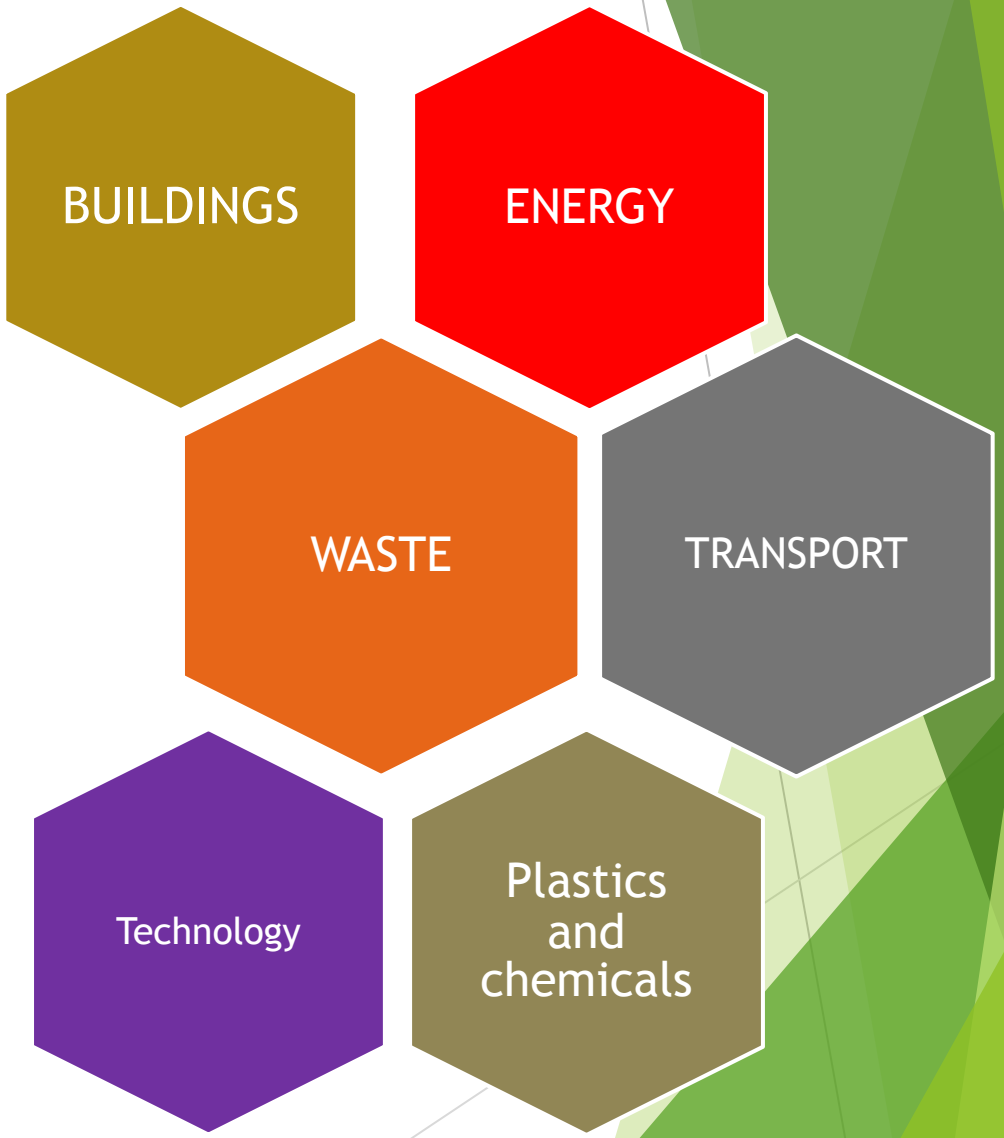
Green Healthcare System: Main Features in Supporting Sustainability of Healthcare System—A Review

Drivers

- Legislation and Compliance
- CQC
- Market drivers – staff and family members
- Financial Resources – banks / investors / grants
- Contractual – LAs and NHS

What do we need to do?v

- Start small, but start
- Staff engagement is critical to success; find ‘green’ champions, ask for their ideas
- For each category, there are simple, low/ no cost steps as well as options for more significant investments and better £ and carbon savings
- Start with understanding your building and energy usage



Summary

- There are a number of similarities between health and care facilities
- Many low-cost impactful actions can be taken in the care sector
- Care home staff are enthusiastic about change but require training
- We should start now with something!

ACT NOW

Conversation starters

- Learning and sharing with NHS
  - Case studies published
  - Carbon footprint tool adaptation from GP practices
- Skills for Care website
- CQC and anticipated assessment for ‘Environmental sustainability’ quality statement
- How will we keep older people cool in care homes