

UK Care Carbon Ecosystem

HEALTH PLASTICS

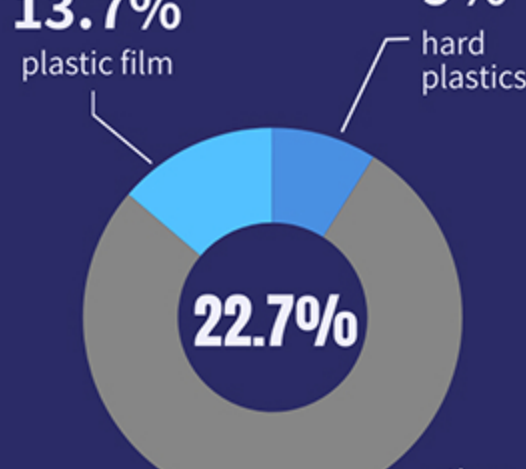
NHS plastic waste is significantly higher than other industries. Around 133,000 tonnes of plastic is disposed of by the NHS each year with only 5% of this waste currently recovered.

With 1 million mostly plastic PPE items being used every 36 hours during the 2020 COVID-19 pandemic, this is a significant amount of waste that isn't recycled



5 MILLION TONNES

Annual Plastic Consumption



NHS plastic waste



5% RECYCLE RATE

NHS Annual plastic waste production

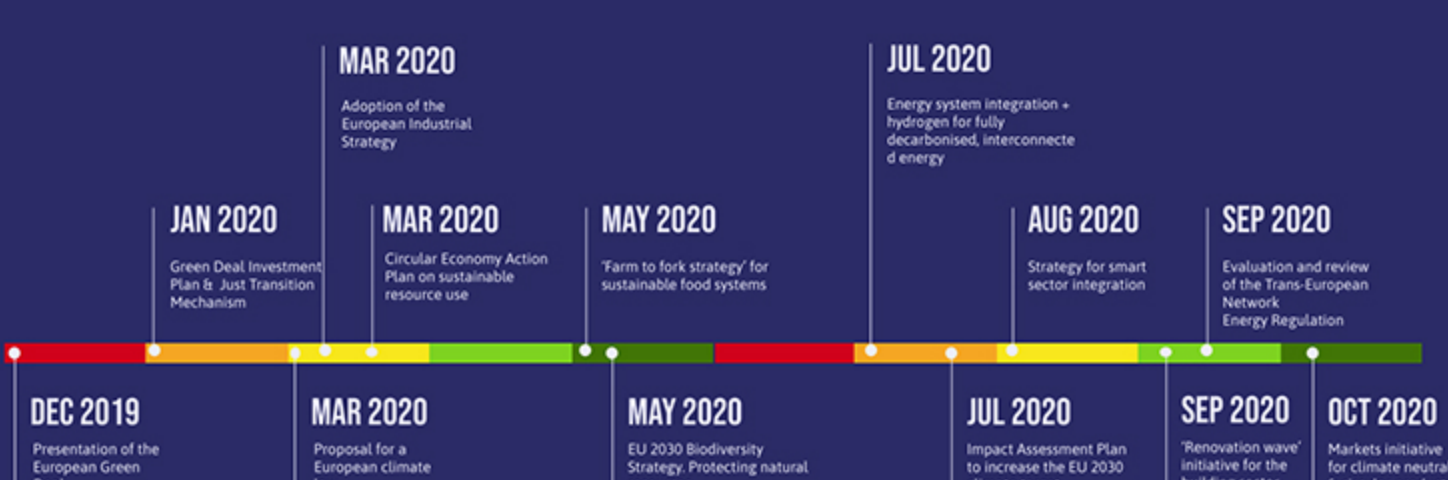
EU Green Deal

An action plan to tackle environmental damage and reduce unsustainable plastics production by 2030. Focusing on creating a circular economy for plastics with a very ambitious timeline



CIRCULAR TARGETS

55% Recycled Plastics & half non-residential waste by 2030



Sustainable Health Policy Areas

The breadth of NHS services overlaps with almost all sustainability policy initiatives. From catering, through to procurement, each area addresses a number of challenges. Each a necessary step to meet the UK's sustainability commitments.

- Clean & Sustainable Energy
- Clean Building & Renovation
- Eliminating Pollution

- Climate neutral by 2050
- Sustainable Agriculture
- Biodiversity
- Sustainable Transportation
- From Farm to Fork

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NHS Carbon Footprint

The UK Health and Social care system is entirely dependent on logistics and transportation. From Ambulances, to vans to freight supply, transportation is central to the UK's health operation.

With transportation, comes emissions. Together with plastics waste, this forms one of the UK's biggest sustainability challenges.

While progress has been made since 2016, the NHS still retains a significant Carbon footprint. Equivalent to 2.8 million UK households or five times the combined emissions of Leeds and Manchester!



40,000 Households average household carbon footprint: 8.2 tonnes CO₂



Transportation

The majority of the NHS carbon footprint, 5 in every 100 annual miles travelled on the UK's roads are NHS journeys. With a total of 9.5 billion miles, the NHS is a significant contributor to the UK's carbon footprint, through ambulance services, staff commuting, road haulage and logistics.

It is estimated this then costs the NHS £345 million in the treatment of respiratory condition. Meaning a significant saving is available by reducing the number of journeys consuming fossil fuels.



5 percent of All journeys on UK roads

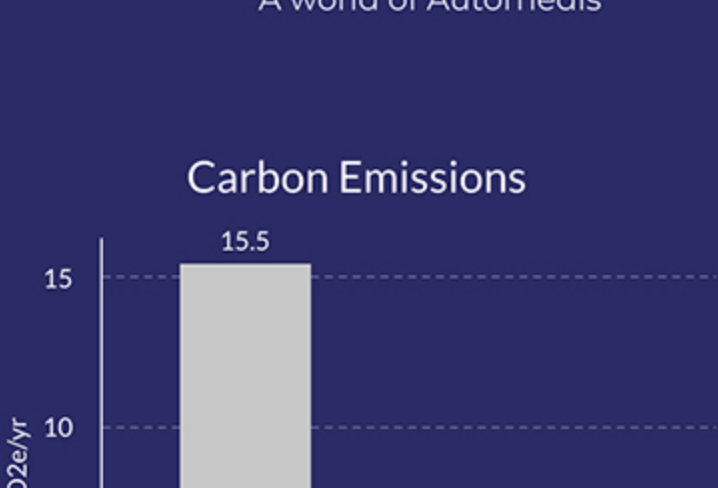


What if... Automedi takes over the world?

if the world moved to Automedi's in-house manufacturing saves enough emissions to squeeze the world's public health systems into the NHS current carbon footprint



Carbon Emissions



Eradicating delivery emissions from the supply chain significantly reduces the NHS carbon footprint to **12%** of previous levels, even operated 8 hours a day, 7 days a week, every year.