

Clean Air Hospital Framework: a health-sector response to tackling air pollution

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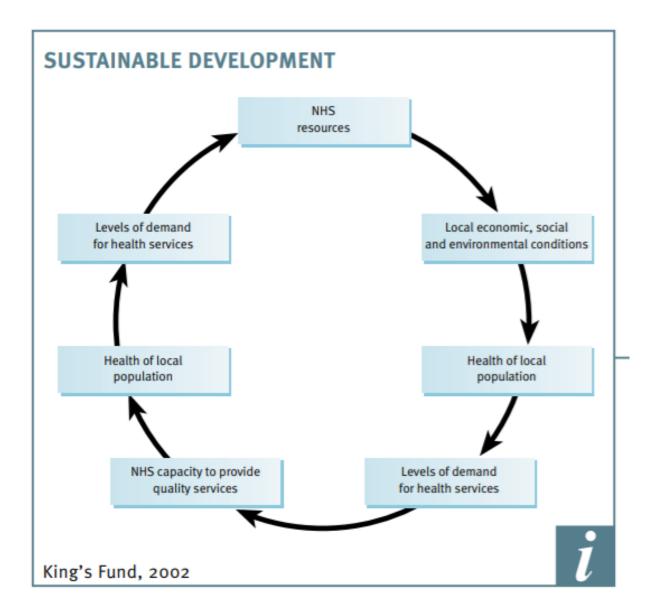
If we're planning for utopia, healthcare organisations play a key role

- The NHS is an anchor organisation
- As an anchor organisatior the NHS can make a difference to local people by:



As an anchor institution, the NHS influences the health and wellbeing of communities simply by being there. But by choosing to invest in and work with others locally and responsibly, the NHS can have an even greater impact on the wider factors that make us healthy.





Air pollution is a health issue



Air pollution is linked to

Stroke	Asthma
	Stroke

- Diabetes Heart disease
- Cancer COPD
- High blood pressure

Low birth weight

Premature birth





Air pollution causes up to 36,000 deaths each year in the UK

Air pollution causes over 20,200 respiratory and cardiovascular hospital admissions a year in the UK

Air pollution causes over 6 million sick days a year in the UK

Air pollution has an estimated total social cost of £22.6 billion per year in the UK



Air pollution requires a health sector response



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Role Model

Show leadership through minimising the air pollution the NHS creates and influences

Educate

Inform staff, patients and the public about the health risks and how to protect their health Champion Support policy measures and work with others to improve air quality



What is a clean air hospital?



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A clean air hospital:

Improves air quality outside and inside the hospital by minimising sources of air pollution under its control

Provides advice to help protect staff, patient and public health from air pollution and

Champions the case for clean air locally and nationally



Role Model

Show leadership through minimising the air pollution the hospital creates and influences Minimise air pollution from staff, visitor and patient travel

Reduce air pollution from procurement and deliveries

Minimise emissions from building design and construction Reduce emissions from energy generation

Minimise air pollution levels inside the hospital



Educate

Inform staff, patients and the public about the health risks and how to protect their health Inform staff about air pollution risks and how to reduce Pollution information and advice to patients

Communicate with visitors and the wider public to help them protect their health from air pollution



Champion

Support policy measures and work with others to improve air quality Work with local partners to improve area-wide air quality

Support national initiatives and influence others to improve national air quality



What is the Clean Air Hospital Framework?

A free resource co-designed by Great Ormond Street Hospital & Global Action Plan to enable a hospital to:

- Understand what it means to be a clean air hospital
- Self-assess progress against the seven elements of a clean air hospital
- Develop a clean air action plan to improve air quality
- Assign ownership within the organisation to implement the action plan

Track and report progress towards becoming a clean air hospital

Example page from the Clean Air Hospital Framework

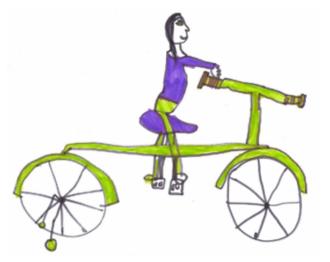


Travel

There are currently more vehicles on the road than ever before. Road transport is the biggest source of nitrogen dioxide in the UK, which causes inflammation of the airways, exacerbates existing heart and lung conditions shortening lives, and increases susceptibility to respiratory infections and allergens, leading to rising costs and increased strain on health services. The total health cost to the UK from cars and vans is £6 billion each year.

By reducing the number of vehicles on the road, and reducing the pollutants emitted from those vehicles that are still necessary, we can improve the air quality directly around our hospitals, and in our communities.

The travel section of the framework covers travel by staff, visitors and patients. 306 points are available within this section.



	Basic	Getting There	Excellent	
Hospital travel planning (providing information and encouraging lower pollution travel)	You provide staff, patients and visitors information that shows public transport routes in the local area.	You provide staff, patients and visitors clear and accessible maps of public transport, walking and cycling routes to/from the hospital in the local area.	Taxis booked by the hospital are zero tailpipe emission vehicles.	
	The hospital site is safe, pleasant and easy to get around for cyclists, pedestrians and people with disabilities.	You have campaigns to promote active travel and public transport to visitors and staff.	You work in partnership with the local authority to ensure planning and development decisions minimise air pollution.	
	Taxis are not allowed to leave their engines running (idling) when waiting near the hospital.	You encourage and facilitate car sharing for colleagues that live close to one another.		

www.cleanairhospitals.o rg



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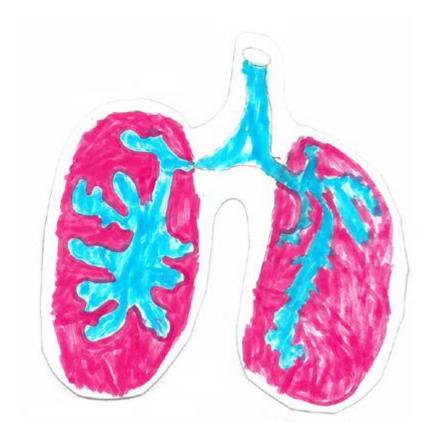
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Clean Air Hospital Framework & GOSH



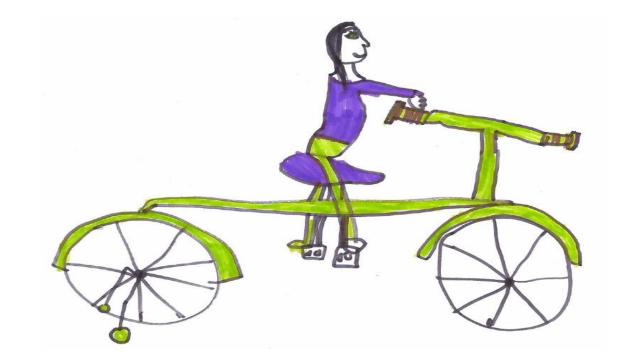
Journey summary

- Objective
 - Health sector approach!
 - Developing & sharing practice
- Collaborative approach
 - Development of CAHF
 - Implementation
 - Dissemination and evolution
- Activity so far
 - Engagement/education
 - Measuring/ monitoring
 - Innovation & partnerships
- Targets & next steps



Creating the Framework

- Broad consultation
 - Internally
 - Externally
- Establish realistic criteria
- Benchmark ourselves
- Create an Action Plan
- Begin delivering it



What are we doing to get there

Clean air hospital



Activity!

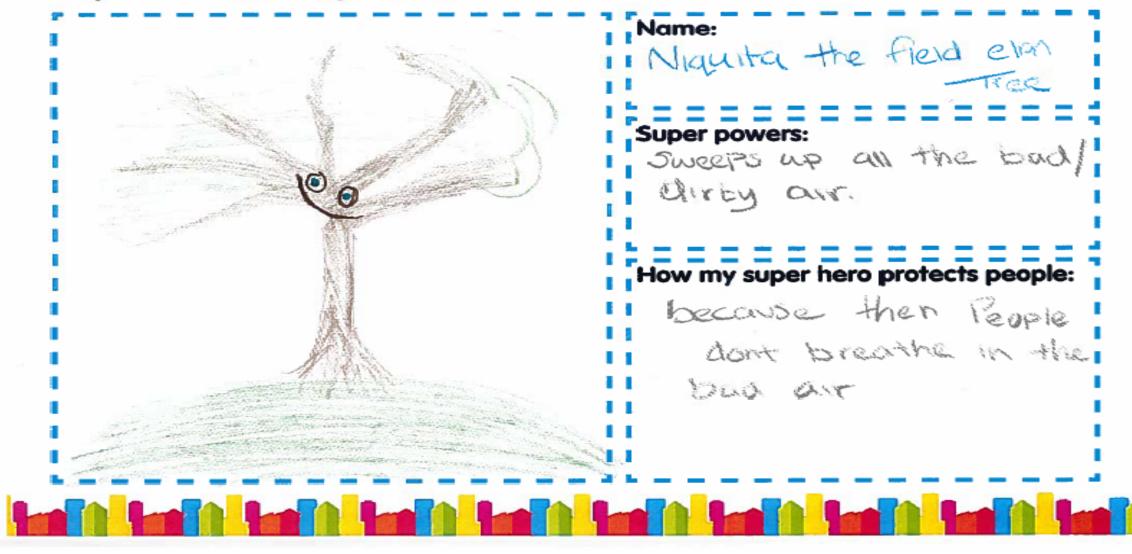
Education/Training

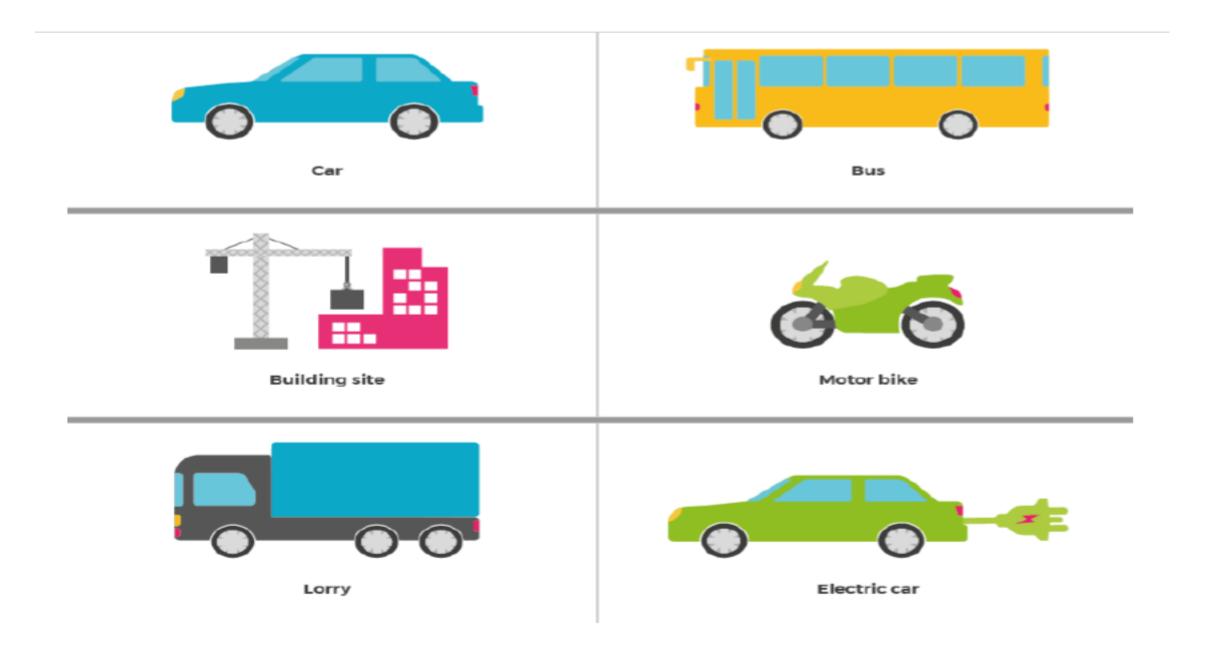
Play therapy/general workforce/ clinical staff engagement/ Young Person's Forum/ School/ AGM/Open days

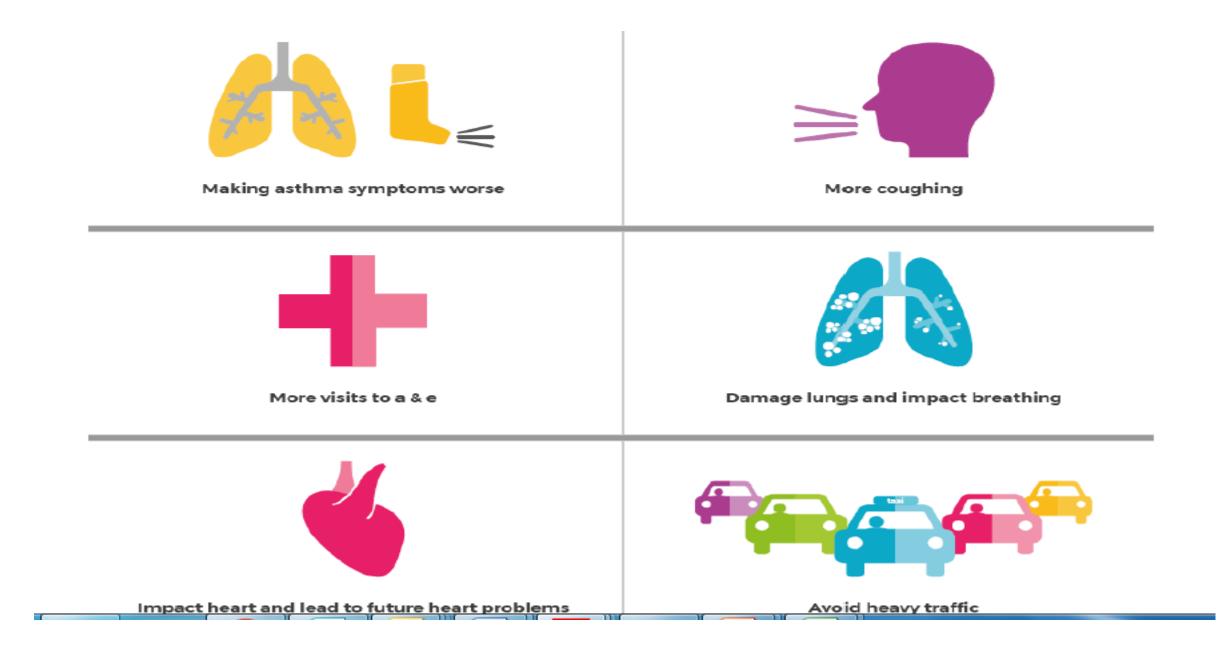
Measuring & monitoring Outdoor/indoor/ home
Outreach & innovation
GOSH Play Street



My clean air superhero









Take low pollution routes and avoid main roads



Be physically active



Walk instead of driving



Drive instead of walking

Air pollution can affect your heart and lungs

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Walk, cycle or scoot & reduce your exposure to air pollution



NHS

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Take quieter routes to breathe cleaner air

Main Street Side

Street



CHASS Great Ormond Street Hospital for Children NHS Foundation Trust

Breathe cleaner air: keep your home well ventilated



CALC Great Ormond Street Hospital for Children NHS Foundation Trust

Clinical engagement

Clean air why it matters

"Children's developing organs and immune systems - and smaller bodies and airways make them especially vulnerable to dirty air" Dr Margaret Chan,

Director-General of the World Health Organisation



Air pollution is damaging to the health of all of us, but particularly young children and those with heart and lung problems including:

- Exacerbation of asthma
- Increased risk of lung cancer
- Impacted lung function development
- Increased risk of bacterial pneumonia
- Impeded cognitive performance
- Higher risk of diabetes

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Increased risk of skin diseases

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Clean air what we can do

There are straightforward things which every one of us can do immediately to protect ourselves, our families and those around us.



Keep your home well ventillated, especially when cooking and cleaning. Try to choose fragrance-free cleaning products and avoid aerosols.

Walk, cycle, bus, train... whenever possible leave the car at home and take to the streets. This reduces your exposure and the amount of pollution you create.



Discover the side streets. Using quieter streets when you're on a bike or on foot can lower your exposure to air pollition by 20%.

global action

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Fleet driver training

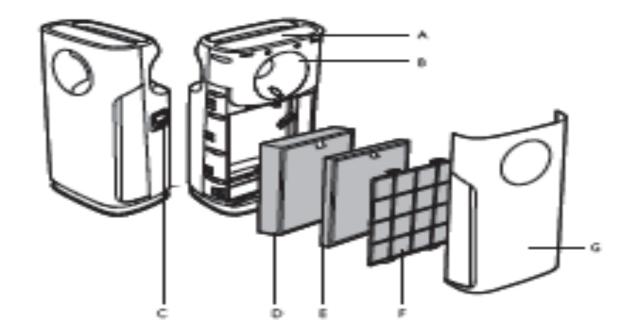


Idling squads



Indoor Air Quality





GOSH Play Street

What we did

- Sustainability/Play/ Security partnership
- Closed GOS to traffic
- Created a play ground
- Invited GOSH & local children
- Local community groups/ air quality partners



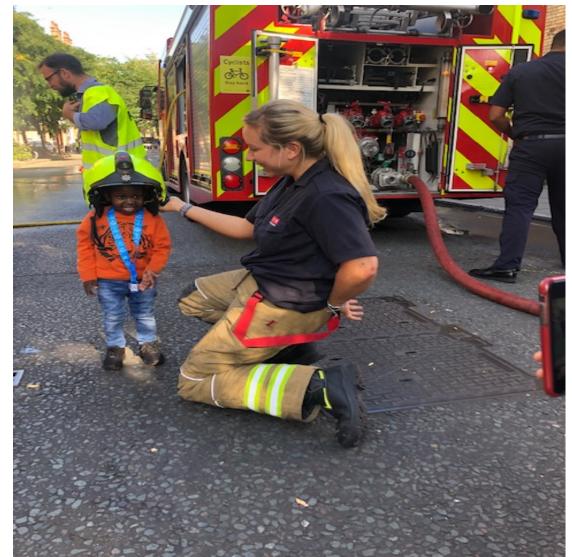
What were the challenges

- Not BOU
- Building clinical/ leadership confidence
- Hospital logistics
- Security



Successes & next steps

- Joy, wonder & smiling
- Reduction in pollution levels
- New relationships
- Vision for a future hospital entrance
- Ceilidh & hopscotch miracles
- New attitudes



GOSH Clean Air Play Street

Great Ormond St, London

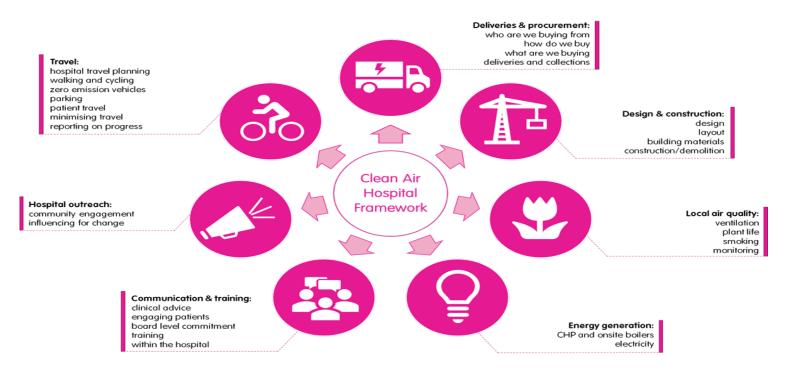
CAHF Progress & targets

- Currently at 26% complete
- 11% increase since launched 6 months ago
- 117 point increase
- Trust goal
- 'Good' rated by 2021 (50%+)
- 'Excellent' rated by 2023 (70%+)
 - CCC, charging infrastructure, contracts, partnerships
- Fully disseminated across NHS by 2023

Get involved

A blue print for action!

- Download framework & presentation here <u>www.cleanairhospitals.org</u>
- Call us to discuss (07710 182553)
- 400 downloads so far
- Educational resources available



Clean Air Hospital Framework

To start your hospital on the road to clean air visit

www.cleanairhospitals.org

@cleanairdayUK



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NHS