



# Clean Air Hospital Framework



Great Ormond Street  
Hospital for Children  
NHS Foundation Trust

# Air pollution is a health issue



Air pollution is linked to

Dementia

Stroke

Asthma

Diabetes

Heart disease

Premature birth

Cancer

COPD

Low birth weight



**Air pollution causes up to 36,000 deaths each 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 causes over 20,200 respiratory and cardiovascular hospital admissions a year in the UK**

# Solutions to air pollution are also a health opportunity



Walking and cycling reduce risks of heart disease, stroke, cancer and diabetes



They promote mental wellbeing



# Air pollution **requires** **a health sector** **response**





## 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?



# 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

Train clinicians to provide air 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
<b>Hospital travel planning (providing information and encouraging lower pollution travel)</b>	You provide staff, patients and visitors information that shows public transport routes in the local area. <input type="checkbox"/>	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. <input type="checkbox"/>	Taxis booked by the hospital are zero tailpipe emission vehicles. <input type="checkbox"/>
	The hospital site is safe, pleasant and easy to get around for cyclists, pedestrians and people with disabilities. <input type="checkbox"/>	You have campaigns to promote active travel and public transport to visitors and staff. <input type="checkbox"/>	You work in partnership with the local authority to ensure planning and development decisions minimise air pollution. <input type="checkbox"/>
	Taxis are not allowed to leave their engines running (idling) when waiting near the hospital. <input type="checkbox"/>	You encourage and facilitate car sharing for colleagues that live close to one another. <input type="checkbox"/>	

# Clean Air Hospital Framework

To start your hospital on the road to clean air visit

[www.cleanairhospitals.org](http://www.cleanairhospitals.org)

@cleanairdayUK



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