

Reference Number: FOIAH2324/602
From: Commercial
Date: 29 January 2024
Subject: Elimination of Pathogens from the Air

Q1 Do(es) your hospital(s) have a solution to eliminate pathogens from the air?

1.1 In which departments?

1.2 In which rooms?

1.3 What technology(ies) are in use?:

1.3.1.1 Air circulation with Ultra Violet (UV)

1.3.1.2 Air Circulation with Air Filter

1.3.1.3 Air Circulation with Air Filter and UV

1.3.1.4 HVAC with UV

1.3.1.5 HVAC without UV

1.4 Other (Which technology?)

A1 The hospital employs several solutions as needed in order to remove/eliminate pathogens from the air either continuously or as an adhoc decontamination measure.

Portable units such as Filtrex which employ hepa filtration and UV decontamination where supplied during covid and remain in use as needed.

All areas and departments have HVAC without UV. Air changes are determined by room design/use and flows are in line with national guidance HTM/HBN as well as IPC standards and hierarchy of cleanliness.

Specialist areas such as isolation rooms/clean rooms employ hepa filtration or electrostatic decontamination with safe change functionality within plant rooms. These are positively/Negatively balanced depending on use.

Q2 Do(es) your hospital(s) have a solution to eliminate pathogens from the surfaces?

2.1 In which departments?

2.2 In which rooms?

2.3 What technology(ies) are in use to kill pathogens?:

2.3.1.1 UV

What wavelength?

In which areas of the hospital?

2.3.1.2 Antimicrobial coating

Which coating materials?

In which areas of the hospital?

2.3.1.3 Antimicrobial cleaning products

Which chemicals?
In which areas of the hospital?
2.3.1.4 Antimicrobial materials
Which materials?
In which areas of the hospital?
2.3.1.5 HVAC with UV
2.3.1.6 HVAC without UV

2.4 Other (Which technology?)

A2 2.1 & 2.2 - Tristel solution and approved wipes are used throughout the Trust in all departments and rooms.

In response to 2.3, the trust use the following technologies:
2.3.1.1 – The trust has two UV machines (Clinell UV360 provided by Gamma Health Care) which run on a short wavelength. UV can be used in any area of the hospital wherever it is deemed necessary.
2.3.1.3 - Tristel Fuse, Tristel Jet, and Clinell and Medipal wipes are used throughout the Trust for all disinfection after cleaning using general detergent where required.
2.3.1.6 - All areas and departments have HVAC without UV.

2.4 – No other technologies are used

Q3 What are the three most important areas to have a solution to kill pathogens from the air?

A3 1. Augmented care areas/Immuno suppressed.
2. Areas with aerosol generating procedures
3. High traffic and quick turn-around areas such as waiting rooms and the Emergency Department.

Q4 What are the three most important areas to have a solution to kill pathogens from the surfaces?

A4 The Trust use UV for "red terminal cleanings" which depends on the infectious pathogen isolated/suspected, not the area.

Q5 Which department(s) / professional(s) make(s) the procurement decisions regarding solutions to kill pathogens from the air?
5.1 Infection Prevention and Control (IPC)
5.2 Facilities Management
5.3 Other (which?)

A5 Conjoined decision between Estates and the Trusts Infection Prevention Committee (IPC) in 2022. We now have a Ventilation Safety Committee where they will be discussed.

Q6 Which department(s) / professional(s) make(s) the procurement decisions regarding solutions to kill pathogens from the surfaces?
6.1 Infection Prevention and Control
6.2 Facilities Management
6.3 Other (which?)

A6 Infection Prevention and Control

- Q7 Do you have an Infection Prevention and Control department or is(are) designated members of staff managing it?
- A7 [We have an Infection Prevention and Control department](#)
- Q8 Are you planning to purchase a solution to kill pathogens from the air on the next
o 12 months?
o 24 months?
- A8 [No](#)
- Q9 Are you planning to purchase a solution to kill pathogens from the surfaces on the next
o 12 months?
o 24 months?
- A9 [No](#)
- Q10 Are you planning to purchase a solution to improve clinician hand hygiene on the next
o 12 months?
o 24 months?
- A10 [No](#)
- Q11 What are your Infection Prevention and control targets for the next five years (Ex.: reduce number of Hospital Acquired Infections reductions by x% (n), increase clinicians hands hygiene rate by x%, reduce pathogens levels from the air in patient areas by x%, reduce pathogens levels from the air in public areas by x%, reduce pathogens levels from the surfaces in patient areas by x%, reduce pathogens levels from the surfaces in public areas by x%...)
- A11 [The Trust are guided by the UK Health Security Agency \(UKHSA\) mandatory surveillance targets and have implemented a zero tolerance for all healthcare-acquired infections across the Trust.](#)