

Freedom of Information Request: Our Reference CTMUHB_315_21

You asked:

1. Does your organisation currently purchase any of the following or similar disinfection systems:

- **Hydrogen Peroxide Vapour Disinfection Systems**
- **Mobile Ultraviolet Light Disinfection Systems**
- **Electrostatic Disinfection Systems**

Yes , Hydrogen Peroxide Vapour (HPV) and Ultraviolet Light (UVC) Disinfection Systems.

2. From which suppliers do you obtain these systems, and can you confirm the spend in the last 2 years?

Supplier - Amity Ltd.

Total Health Board spend for the HPV and UVC over 2 years is £89,970.00.

3. Were these systems purchased through a tender or framework? If so, which one? Please provide the following details:

- **Name**
- **Reference**
- **Where this was published**

The systems were purchased via Multiquote and through SQTs (Single Quotation Tender).

4. Are you under contract with your current supplier(s) for the above? If so, what is the start and end date(s) of the contract(s)?

The systems are still under warranty, therefore no contracts in place at this time.

5. Can you provide the name and contact details for the person(s) responsible for procuring these systems?

Richard Knowles/Lisa Rogers/Melanie Smith via Procurement

6. Can you provide contact details for the department responsible for managing this service or more broadly infection, prevention, and control?

The above on 01656-752506/ 01443-443091/ 01685-728905 or via switchboard.

7. Within this sector, are peer-reviewed studies considered a part of your selection for suppliers?

Yes.

8. Many ultraviolet disinfection systems use Mercury bulbs - can you confirm if your systems use these alongside your associated environmental management procedures?

Yes.

9. How many Hospital Acquired Infections (HAI) have there been in the last 2 years?

2019/20

***Clostridium difficile* Infection (CDI):**

118 cases - 51% were classed as Healthcare Associated Infections (HCAI)

MRSA

8 cases - 25% classed as HCAI.

MSSA

132 cases - 43% were classed as HCAI.

E. coli bacteraemia

412 cases - 27% were classed as HCAI.

Klebsiella Sp. bacteraemia

100 cases - 35% were classed as HCAI.

Pseudomonas aeruginosa bacteraemia

22 cases - 59% were classed as HCAI.

2020/21

***Clostridium difficile* Infection (CDI):**

48% were classed as HCAI.

MRSA

Less than 5 cases were classed as HCAI.

MSSA

111 cases - 36% were classed as HCAI.

E. coli bacteraemia

323 cases - 23% were classed as HCAI.

Klebsiella Sp. bacteraemia

97 cases - 39% were classed as HCAI.

Pseudomonas aeruginosa bacteraemia

20 cases - 30% were classed as HCAI.

10. What are the types of HAIs?

Please see response to question 9.

11. What is the cost per HAI?

We do not capture this information. Therefore, we are unable to provide. The cost would be based on a number of factors including extended length of stay in hospital and treatment required.

12. What would be a reasonable cost per room for disinfection?

Approx. £3.88p for a 40m³ room.

13. How long does it take to turnover a room?

Between 3 to 5 hours dependant on room type/ambient temp etc.

14. What percentage of surfaces get disinfected during a room turnover?

100%

15. What log reduction is expected for surface disinfection?

6 log reduction.