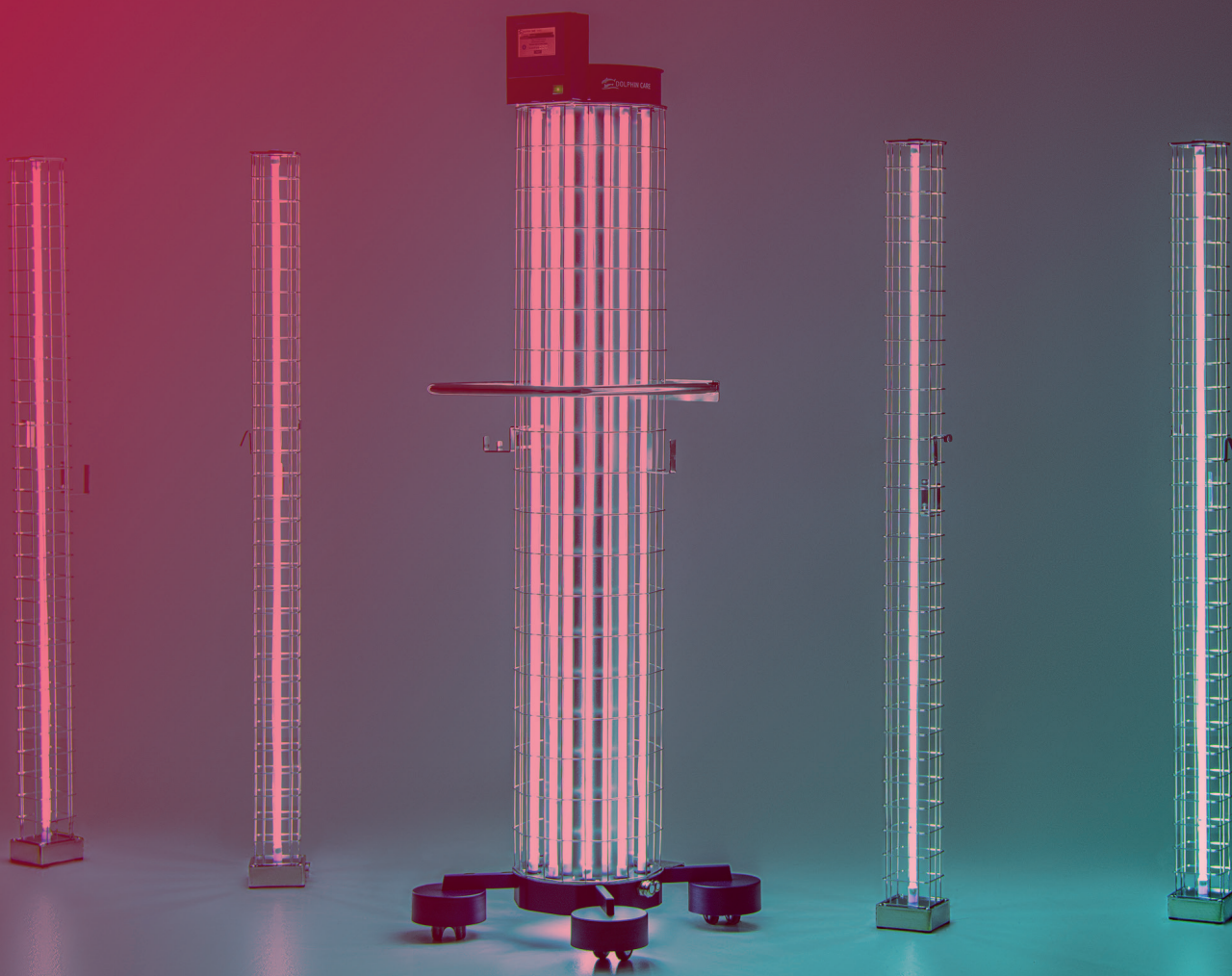


Product brochure

**clinell**<sup>TM</sup>  
SURFACE

# Enhanced UV-C Disinfector

Rapid and complete room disinfection  
with detachable UV-C satellites



powered by  
**DOLPHIN CARE**  
technology

# Rapid and complete disinfection

Clinell Enhanced UV-C Disinfector's tower and multi-positional UV-C satellites deliver the fastest and most efficacious room disinfection system available, providing additional peace of mind to manual cleaning protocols.



**Complete disinfection**

The UV-C lamps from both the main tower and the 4 detachable satellites radiate UV-C from just 10cm above floor level, disinfecting low-lying objects. The main tower includes a downward UV-C lamp ensuring the floor beneath the device is exposed to a sufficient UV-C dosage during the disinfection cycle.



**Rigorously tested**

Rigorously tested and independently validated by the UK's leading UV-C microbiologists, including performance analysis versus single UV-C towers.



**Placement flexibility**

Ideal for en-suite patient rooms, bays and other settings typically not suitable for UV-C such as ambulances. The 4 detachable satellites have 360° exposure and can be positioned vertically, horizontally or angled ensuring optimal UV-C dosage for a variety of environments.



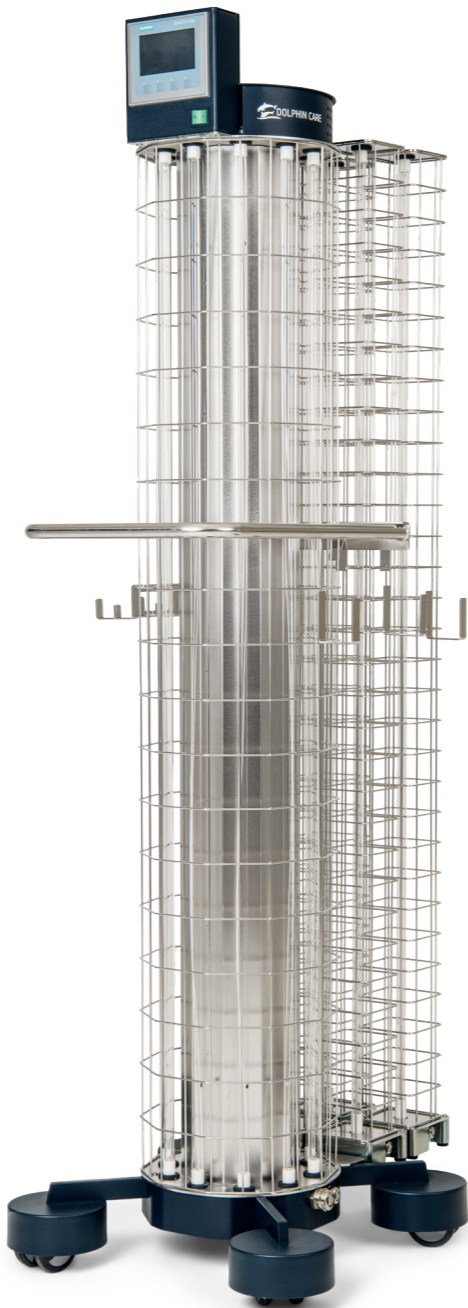
**Easy-to-use**

No prior install or mapping is required, simply select the number of towers to use, followed by the total disinfection cycle time. Once finished, the detachable satellites are then hung onto the main tower.



**Extensive safety**

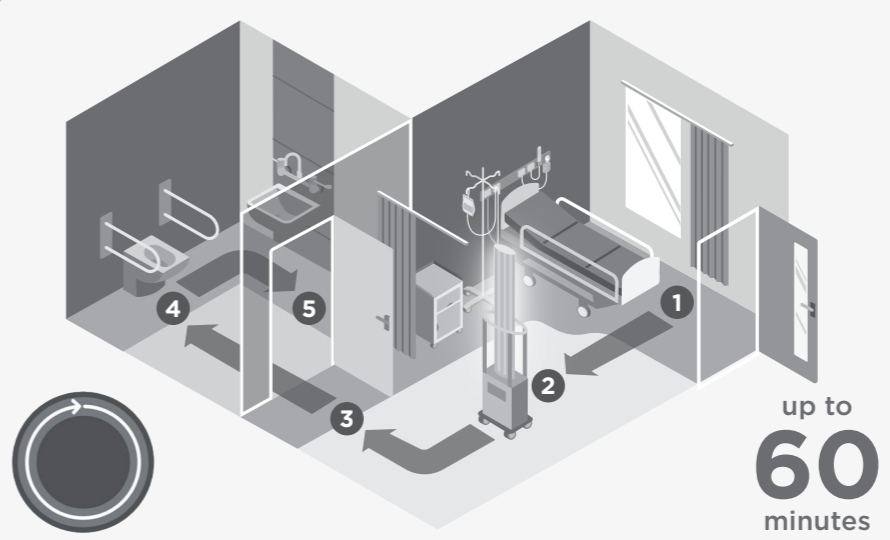
Equipped with a range of sensors that prevent operation when someone is detected in the room as well as physical emergency cycle stop buttons on the main unit.



# Twice as fast as single vertical UV-C towers

Shadowing is the number one limitation of UV-C disinfection. Any object in the path of UV-C light will prevent it from reaching contaminated surfaces.

Clinell Enhanced UV-C Disinfector allows you to irradiate from 5 different positions simultaneously, mitigating the requirement to reposition a typical single UV-C tower multiple times to achieve enhanced disinfection.



up to  
**60**  
minutes

**Repositioning a single UV-C tower multiple times**

Total room downtime of a single en-suite patient room can be up to an hour, given it has to be repositioned in several locations to achieve satisfactory disinfection results.



up to  
**30**  
minutes

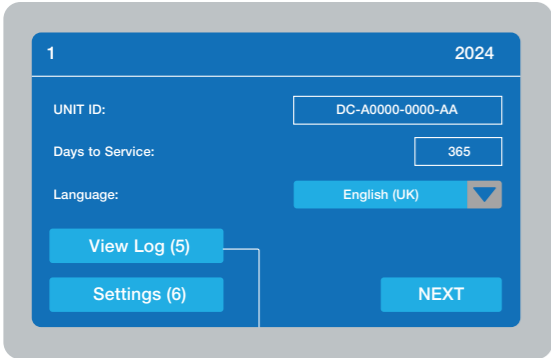
**A single cycle time with no repositioning with Clinell Enhanced UV-C Disinfector**

Total disinfection time of a single en-suite patient room can be completed in one emission cycle\* as a result of the detachable satellites. Not only does this reduce UV-C emission times, it also improves the productivity of operators not having to reposition towers multiple times.

\*Refer to recommended GAMA Healthcare disinfection protocols  
Please ask GAMA Healthcare for more details on recommended cleaning protocols for single emission cycles

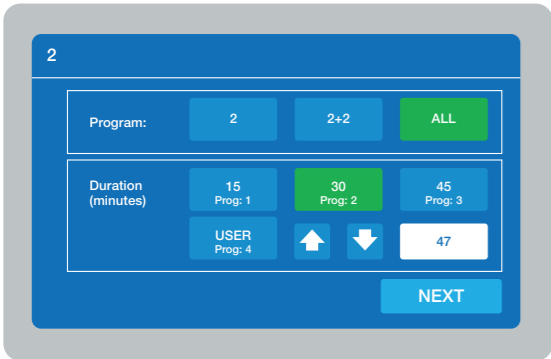
# Simple to operate

Unlike robotic devices, no prior install or room mapping is required. Complete with an intuitive touchscreen, the Clinell Enhanced UV-C Disinfector simplifies your decontamination protocol.



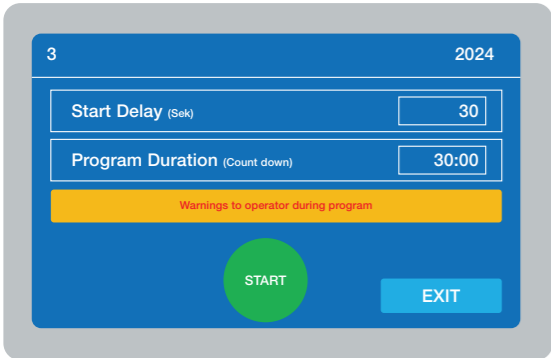
1

The easy-to-use system has 3 simple stages to start the UV-C decontamination. The first screen displays useful information, such as the servicing schedule and logs; pressing next will continue onto the program setting page.



2

Once the central and detachable satellites are in place, the operator needs to select: how many satellites are to be used, in the program setting and how long will UV-C dosage be applied for, in the duration setting. After confirming the settings, the next button will progress to the final screen.



3

The final stage is to review the settings and press the start button. Once pressed, there is a 30 second delay, whilst operators exit the room. In the event one of the sensors picks up a problem, including movement in the room, it will immediately shutdown.

# Independently validated and assessed by experts

Professor Val Edwards-Jones PhD, CSci, FIBMS, an experienced independent microbiology consultant conducted a study, with the cooperation of the NHS.

## The study

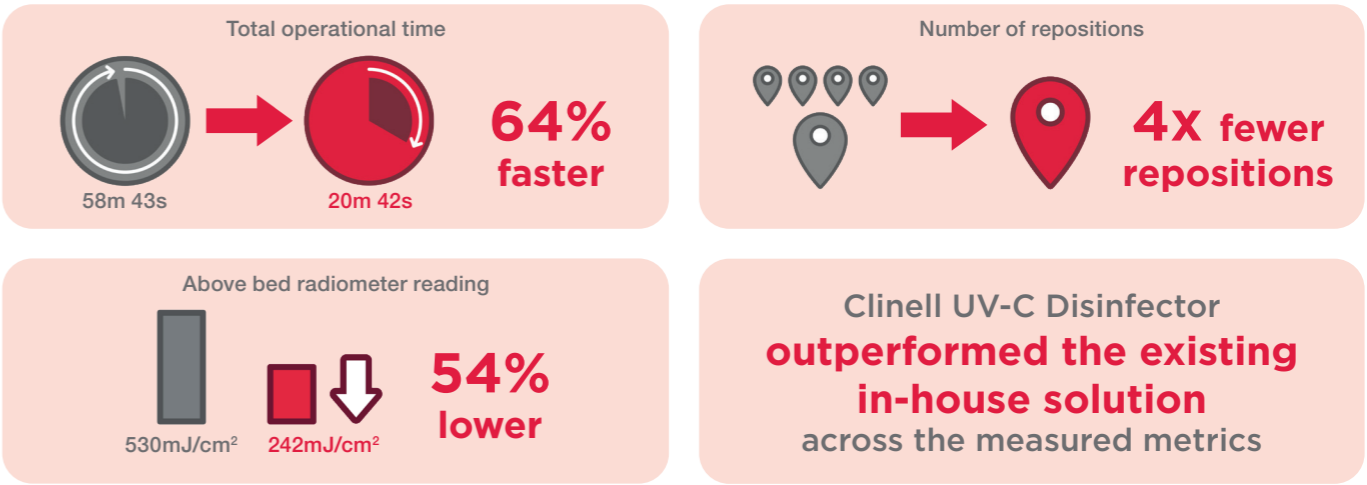
To test the effectiveness and efficacy of Clinell Enhanced UV-C Disinfector versus the Trust's incumbent single tower UV-C device between 01/12/2022 and 01/03/2023.

## The following data was collected:

- Total disinfection time, including set-up and breakdown time, and subsequent impact on labour
- Efficacy of each device on the basis of UV-C dosage delivered to 40 surfaces
- Two accurate readings of UV-C dosage (from estimated highest and lowest positions) to measure the amount of overdosing, which will result in material degradation

## The results

The results were overwhelmingly in favour of Clinell Enhanced UV-C Disinfector:



## Operational cost efficiencies

Based on the comparisons above, a switch to Clinell Enhanced UV-C Disinfector provides significant operational benefits.

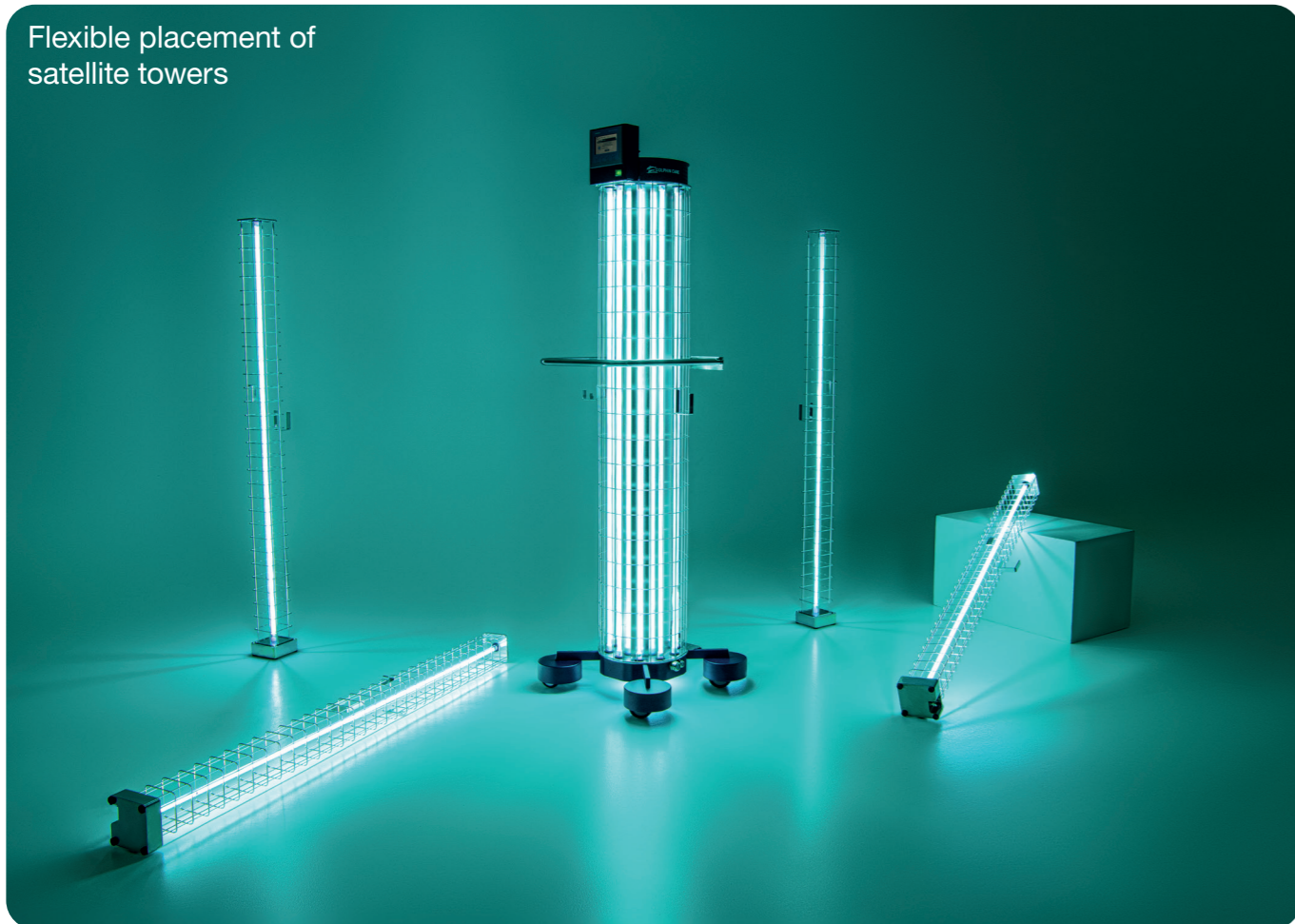


\*Assumes 1 room cleaned per day at £50ph labour cost

UV-C bulb



Flexible placement of satellite towers

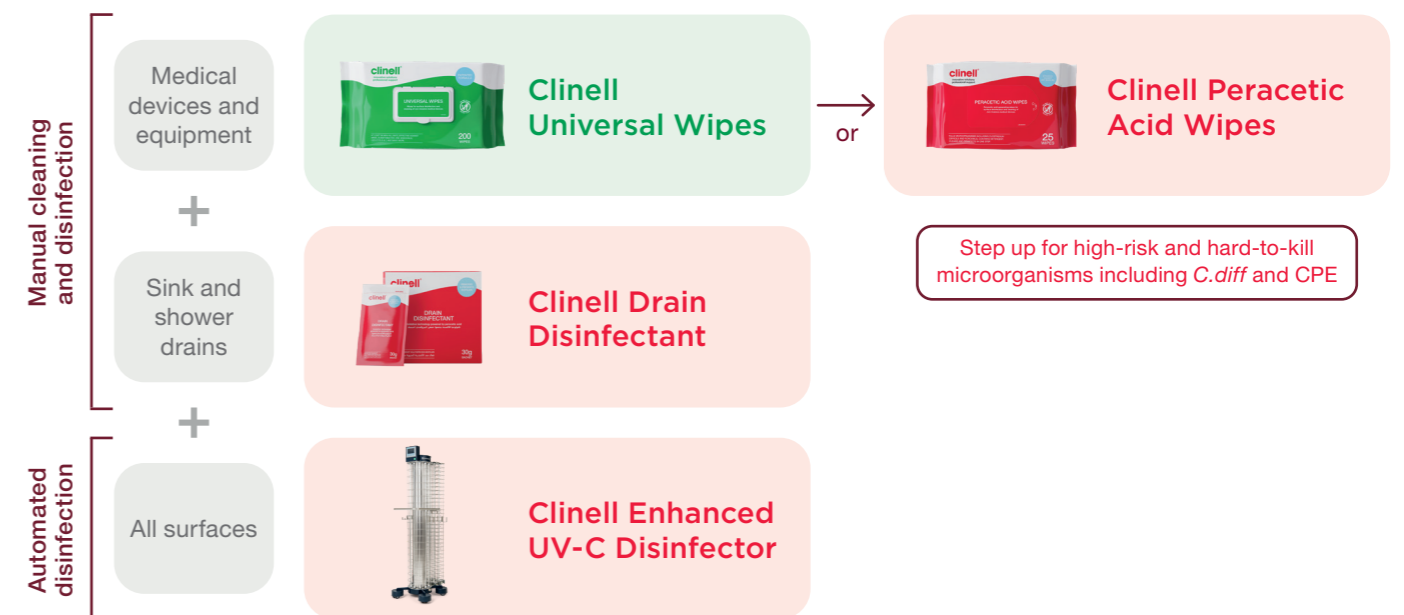


## Complete solution

**Additional technologies are needed to improve disinfection efforts. Clinell Enhanced UV-C Disinfector completes room decontamination protocols, reducing the risk of HCAs.**

Routine and terminal disinfection is vital to decrease HCAI acquisition. However, completion is frequently inadequate<sup>1</sup>. No-touch techniques, including UV-C technologies, have been developed to improve disinfection efforts, to reduce surface contamination and therefore HCAs<sup>2</sup>.

In the UK, the Joint Healthcare Infection Society (HIS) and Infection Prevention Society (IPS) guidelines recommend using UV-C as an additional measure to terminal cleaning for the prevention and control of MRSA in healthcare facilities<sup>3</sup>. Manual cleaning removes organic matter and dirt from contaminated surfaces and is crucial for effective disinfection. After cleaning and disinfection, Clinell Enhanced UV-C Disinfector can be used to complete a fast and effective environmental decontamination, creating a safer environment for healthcare workers and patients.



Clinell Enhanced UV-C Disinfector is brought to you by GAMA Healthcare. To find out more, speak to your GAMA Healthcare Area Manager or visit **[www.gamahealthcare.com](http://www.gamahealthcare.com)**

#### References

1. Rutala WA, Weber DJ. Disinfectants used for environmental disinfection and new room decontamination technology. *Am J Infect Control*. 2013;41(5):S36-41.
2. Chiappa F, Frascella B, Vigezzi GP, Moro M, Diamanti L, Gentile L, Lago P, Clementi N, Signorelli C, Mancini N, Odone A. The efficacy of ultraviolet light-emitting technology against coronaviruses: a systematic review. *J Hosp Infect*. 2021;114:63-78.
3. Coia JE, Wilson JA, Bak A, Marsden GL, Shimonovich M, Loveday HP, Humphreys H, Wigglesworth N, Demirjian A, Brooks J, Butcher L, Price JR, Ritchie L, Newsholme W, Enoch DA, Bostock J, Cann M, Wilson APR. Joint Healthcare Infection Society (HIS) and Infection Prevention Society (IPS) guidelines for the prevention and control of methicillin-resistant *Staphylococcus aureus* (MRSA) in healthcare facilities. *J Hosp Infect*. 2021 Dec;118S:S1-S39.