



# Whole Room Decontamination

Minimising the risk of a patient acquiring a Hospital Associated Infection (HAI) is a vital part of any infection prevention and control strategy, with surfaces being a common vector of transmission for pathogens.

Whole room decontamination breaks the chain of infection by providing a sterile microbe free environment. This limits the spread of infection which improves the efficiency of patient turnover.

## The Risk of Infection

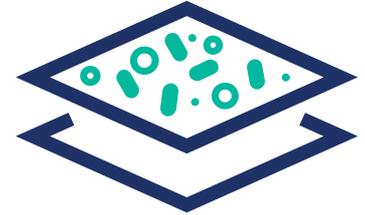
Several infections including MRSA, VRE and *C. diff* are all known to survive on surfaces and can be transmitted simply by touch. The risk of acquiring one of these infections is higher if a new admission is placed in a room previously occupied by a patient infected with one of these pathogens.

But these are not the only concerns. CRE, CPE and norovirus are also able to survive on surfaces and again transmitted by touch. For this reason, effective cleaning is essential to prevent and control HAIs.

## The Limits of Manual Cleaning

Manual cleaning using detergent or disinfectant based products and methods can help prevent and control microbial and viral pathogens such as MRSA and norovirus but they are not enough to guarantee safe, non-infective levels.

This is often a result of unavoidable human error but also as a result of the fact that the effectiveness of this method of cleaning is difficult to measure. As a result of the inefficiency of manual cleaning, new approaches have been proposed.



### Did you know...



UV-C RADIATION HAS BEEN PROVEN TO REDUCE **99.8%** OF *C.DIFF* SPORES IN 50 MINUTES AND **99.9%** OF VEGETATIVE BACTERIA ON SURFACES IN AS LITTLE AS 15 MINUTES<sup>1</sup>

- Fully automated UV-C systems significantly reduce *C. difficile*, VRE, and MRSA contamination on frequently handled hospital surfaces
- Hydrogen peroxide systems are effective against MRSA, *M. tuberculosis*, viruses, sporeformers, VRE, and multiresistant Gram-negative bacilli, including *Acinetobacter* spp
- Hydrogen peroxide systems may offer reliable microbicidal activity against all hospital pathogens<sup>2</sup>

Sources: See overleaf.





## How Inivos Can Help

Inivos have developed innovative disinfection robots that harness UV-C light ray and hydrogen peroxide vapour technology to ensure an efficacious and effective decontamination of whole rooms, with a proven, measured, system of validation for each and every cleaning cycle.

Using this technology, we offer whole room decontamination as a scheduled managed service contract or as an on-call service for emergency situations, specific areas or projects. This technology has been independently verified to achieve a log 6 reduction of bacteria.

## Our Service

We manage the project from end-to-end to ensure all stakeholders are aligned through clear communication of a complete project plan. Our teams of qualified technicians are able to operate 24 hours a day, 365 days a year to ensure rapid turnaround and minimum disturbance or disruption to the clinical schedule. This involves:

### Pre-Cleaning Assessment

Our technician carries out pre-process safety checks; checking access to the area to be decontaminated, making sure deep cleaning has been effectively carried out and measuring entrance and exit points to prepare them to be sealed off.

They then get the area ready for decontamination. This may include sealing access points with DVI tape or erecting sheeting if required to compartmentalise the whole room. Where appropriate, fire alarm systems and vents will be sealed and isolated.

Finally, the technician will liaise with clinical or hospital staff in adjacent areas to ensure they are fully informed about the decontamination process.

### Active Cleaning

The next step is to carry out the decontamination process using the correct and most appropriate disinfection robot. This will either be through the use of our UV-C light ray system, Ultra-V, or with our low concentrate hydrogen peroxide vapour system, ProXcide.

### Validated Assurance

After cleaning and disinfecting, our technician will check the area is safe to readmit patients, dismantle any enclosures and remove the disinfection robot and equipment to allow clinical or hospital staff to prepare the room for the readmission of patients.

## Our Approach

Our approach follows a set of steps which we apply to every part of what we do. This involves analysing your needs and environment, designing solutions fit for purpose and delivering effective results.

Our knowledge and expertise allows us to provide the very best in decontamination, with a particular emphasis on the efficacy and safety of our models.

## Why Inivos?

Not only are we an established and trusted name in healthcare, with facilities and hospitals around the world relying on our advanced hydrogen peroxide vapour and UV-C light disinfection robots, but we also offer **a level of expertise second to none**, and **services not provided by other companies**, including managed service contracts and the most innovative technologies.



Multiple areas included



Evidence based processes



Validated assurance



Dedicated project management

Helping you provide patient-ready spaces with on-call decontamination and managed services



Our Inivos services are easy to arrange and tailored to your requirements:

Call **0845 270 6690** or email **customerservices@inivos.com**