



# Emergency Vehicle Deep Cleaning

Emergency vehicles transport a high volume of patients on a daily basis, all with the potential to carry and transmit infectious disease. It is therefore critical to ensure that the surfaces within are cleaned and decontaminated regularly and effectively.

Alongside decontamination using our validated and proven effective hydrogen peroxide vapour (HPV) and ultraviolet-C light disinfection robot technology, systems that are essential to ensuring the elimination of all air- and surface-borne microbes, we offer an emergency vehicle deep cleaning service. Our deep-cleaning service is designed to be implemented before decontamination takes place to maintain its efficacy and effectiveness.

## The Risk of Infection

There is a high risk of cross-contamination between each patient that is transported in emergency vehicles. The driver and crew are also at risk of acquiring infectious pathogens that can even be transmitted to paramedics and hospital staff during transfer between the vehicle and hospital.

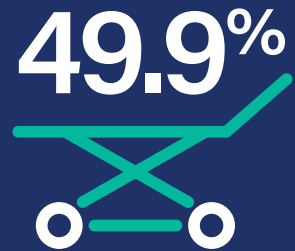
MRSA is of particular concern. In fact, in studies by Brown et al. and Roline et al., around half of samples collected from emergency ambulances tested positive for MRSA contamination. The samples were taken immediately after the transportation of a patient infected or colonised with the disease.

## Ensuring Effective Decontamination

Deep cleaning and decontamination of emergency vehicles is essential. Deep cleaning, as the first stage of an effective decontamination service, removes soiling and ensures the efficacy of decontamination.



### Did you know...



DURING A TEST OF  
13 AMBULANCES, 49.9%  
OF SWAB SAMPLES WERE  
POSITIVE FOR BACTERIA<sup>1</sup>

- During a test of 13 ambulances, where up to half of swab samples were positive for bacteria, 0.9% showed MRSA, MRCoNS or carbapenemase-producing *Klebsiella pneumoniae*<sup>1</sup>
- MRSA was found in around half of samples collected from emergency ambulances in studies by both Brown et al.<sup>1</sup> and Roline et al.<sup>2</sup>



Sources: See overleaf.



## How Inivos Can Help

Inivos' deep cleaning service is thorough and effective; covering everything from a pre-cleaning assessment to the final safe disposal of all used equipment.

Our team of technicians are well-equipped and fully trained to carry out all aspects of vehicle deep cleaning, based on guidelines from the Department of Health and Care Quality Commission regulations to provide you with the most effective service you can trust. We are also able to provide decontamination as both an on-call service or part of a managed contract.

## Our Service

We manage our service 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.

## Pre-Cleaning Assessment

We first carry out a pre-cleaning assessment to understand exactly what it is that you require. This allows us to plan around your infection prevention and control strategy, as well as to complement your already-existing daily cleaning routines, all to limit disruption to the absolute minimum.

## Effective Deep Cleaning

Our impeccable deliverability lies in our attention to detail and we employ the most proved and effective cleaning methods and products. Our trained engineers, fully equipped with the necessary personal protective equipment, then carry out an effective deep clean treatment using a range of specialist cleaning products specifically designed, tested and approved for the eradication of harmful bacteria across the health sector.

## Validation

Furthermore, our work is externally validated to provide you with a high level of assurance. Swab testing is undertaken for TVCs, E. coli, *Staphylococcus aureus* and *Clostridium difficile* to further verify the efficacy of our work.

## 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 allow us to provide the very best solution, 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 decontamination.



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**

Sources: <sup>1</sup> Brown R, Minnon J, Schneider S, Vaughn J. Prevalence of methicillin-resistant *Staphylococcus aureus* in ambulances in southern Maine. *Prehosp Emerg Care.* 2010;14(2):176-181. <sup>2</sup> Roline CE, Crumpecker C, Dunn TM. Can methicillin-resistant *Staphylococcus aureus* be found in an ambulance fleet? *Prehosp Emerg Care.* 2007;11(2):241-244. <sup>3</sup> Taylor-Robinson, Andrew. (2019). Contamination of Emergency Medical Vehicles and Risk of Infection to Paramedic First Responders and Patients by Antibiotic-Resistant Bacteria: Risk Evaluation and Recommendations from Ambulance Case Studies. 10.5772/intechopen.87219.