

The Issue: **Healthcare-Associated Infections**

From acute care hospitals to physical therapy clinics, healthcare-associated infections (HAIs) are a major threat to patient safety—even though they're often preventable. Each year, thousands of people die or experience complications due to HAIs such as MRSA, CRE and ESBL.

687,000 HAIs in U.S. acute care hospitals alone in 2015. Source: Centers for Disease Control and Prevention

There were an estimated

90.000 patients die annually due to HAIs. **Source:** Dove Medical Press

It's estimated that





A single ESBL infection



\$45 billion. Source: Dove Medical Press

is estimated to be as much as

results in more than \$40,000 of excess hospital charges, and around 26,000 of these infections occur each year. Source: Centers for Disease Control and Prevention



13% of severe HAIs

caused by **P. aeruginosa** are multi-drug-resistant,





annually and they result in more than 600 deaths per year.

CRE infections occur

9,000

meaning nearly all antibiotics no longer cure these infections. Source: Centers for Disease Control and Prevention



were more than



MRSA infections and 11.285 related deaths. Source: Centers for Disease Control and Prevention **HAIs and Electrodes**

80,000 invasive

of electrodes can turn into breeding grounds for bacteria.

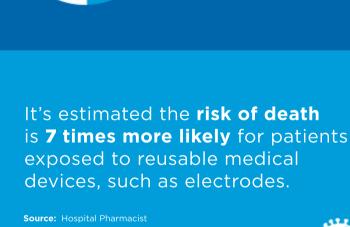
A study of hospitals throughout the U.S. found human cells on 60.5%

Whether it's due to lack of awareness, disregard for best practices, or non-standardized cleaning methods, the use

electrode lead wires found

of used electrodes.

Source: American Journal of Infection Control



51.4% were contaminated with bacteria or risk pathogens. Source: GMS Hygiene and Infection Control

A study of manually cleaned

MicroBlock Antimicrobial Electrodes MicroBlock antimicrobial electrodes are the only electrodes specifically designed to kill and inhibit the growth of bacteria on and around the electrode.

The Scientifically-Tested Solution:

New, independent research has shown that MicroBlock's antimicrobial gel, featuring Benzethonium Chloride (BEC) and an acrylic hydrogel, effectively fights dangerous bacteria. MicroBlock is the safe, simple way to keep

The MicroBlock is more than 99% effective in reducing:

S. Aureus (MRSA) E. Coli (ESBL)

E. Cloacae (CRE)

E. Faecalis (VRE) P. Aeruginosa and A. Baumannii

patients healthy.

- (Multidrug Resistant)
- The MicroBlock's antimicrobial gel demonstrated

more than a 4 log₁₀ reduction against each

of these microorganisms. A log reduction, or log kill rate, is the standard for measuring infection prevention. A 4 \log_{10} reduction kills 100 times more pathogens

MICROBLOCK

than a $2 \log_{10}$ reduction.

Source: Microchem Laboratory