

95%
REDUCTION
IN BACTERIA

IN A NURSING HOME



The role of nursing homes has expanded in recent years as a result of a growing elderly population, a consequential rise in chronic geriatric conditions and a shift of care delivery from the acute to residential setting.

Like in hospital settings, outbreaks of MRSA and other harmful bacteria are a continuous threat. Nursing home acquired infection is complex with a range of contributing factors including chronic illnesses, recent hospital admission, the presence of healthcare workers, care provided by family members and the use of antibiotics.

The introduction of the Health and Social Care Act 2008 and the Care Quality Commission has led to health and social care establishments implementing infection control strategies aimed at breaking the chain of cross-contamination between sources of harmful bacteria and patients.

BioCote Ltd works with manufacturers to incorporate silver ion technology into their products at the time of manufacture, making the surfaces of the finished products antimicrobial. Antimicrobial products are being used by the medical community to reduce both levels of contamination and HCAs in the healthcare environment.

This study is the first to investigate the effectiveness of silver ion (BioCote®) treated products in a nursing home setting, by measuring their ability to reduce levels of microbial contamination.

Study

During refurbishment of a nursing home in Leicester, one residence, comprising of a bedroom and bathroom was refitted with a range of BioCote® treated antimicrobial products (Unit A) and another with untreated, comparable products, to serve as the control (Unit B). Both units were occupied by single residents for the length of the study and were cleaned by nursing home staff on a daily basis.

Swabs were collected from treated and untreated surfaces located in the bedroom and bathroom of each unit over a five month period. They were processed for total counts of bacteria and results expressed as average counts of colony forming units (CFUs). A number of untreated products were also positioned and swabbed in unit A.



BioCote Ltd

Unit 3, Oak Court,
Pilgrim's Walk,
Prologis Park,
Coventry CV6 4QH

t +44 (0) 2477 712489
f +44 (0) 2476 338081
biocote@biocote.com
www.biocote.com



