EOS CU™
cupron enhanced eos surfaces

QUICK FACTS

Modes of Transmission and What Stops Them

Infection can be passed between individuals via 6 common routes.

AIRBORNE | *ventilation systems*

Body surface to airborne particle to body surface

Negative Air Pressure Systems

Used in isolation rooms and some ICUs, these systems prevent unpurified air from entering a room, and contaminated air (tuberculosis, varicella, measles) from leaving the room.

VECTOR | *mosquitoes*

Infected insect or animal to body surface

Barriers and Insecticides

Nets and screens as well as sprayed insecticides and pesticides can help control a population of animals that carry diseases such as malaria.

DROPLET | *sneezing or coughing*

Body surface to water droplet to body surface

Masks

The common cold is not the only illness carried via droplets; others include meningococcus and pertussis

DIRECT | *shaking hands*

Body surface to body surface

Hand-washing and Gloves

The most important protection against HAIs is hand-washing. Infections such as MRSA, C. diff, and E. coli can all be passed via unwashed hands.

VEHICLE | *medical device*

Body surface to device to body surface

Disinfection and Sterilization

Liquid disinfectants as well as autoclaves and UV rays disinfect and sterilize medical devices such as endoscopes, which have caused outbreaks of VRE and CRE.

INDIRECT | *contaminated surfaces*

Body surface to fomite to body surface

Cleansers and Preventive|Biocidal Surfaces

Cleaning surfaces with the appropriate chemicals is a critical component of daily and terminal cleaning. Between cleanings, Preventive|Biocidal Surfaces destroy >99.9% of Gram-negative and Gram-positive bacteria in under 2 hours, even after recontamination. This active process continuously reduces the bioburden of infectious pathogens.

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