Environmental cleaning for the prevention of healthcare-associated infections
Leas BF, Sullivan N, Han JH, Pegues DA, Kaczmarek JL, Umscheid CA

Record Status
This is a bibliographic record of a published health technology assessment from a member of INAHTA. No evaluation of the quality of this assessment has been made for the HTA database.

Citation

Authors' objectives
This Technical Brief summarizes the evidence base addressing environmental cleaning of high-touch surfaces in hospital rooms and highlights future research directions.

Authors' conclusions
Comparative-effectiveness studies directly comparing disinfection modalities and monitoring strategies are limited. Future research should examine and compare newly emerging strategies, such as peracetic acid, hydrogen peroxide wipes, enhanced coatings, and microfiber cloths as cleaning strategies, and adenosine triphosphate and ultraviolet light technologies as monitoring strategies. Patient colonization and infection rates should be included as outcomes when possible. Other challenges to be addressed include identification of surfaces posing the greatest risk of pathogen transmission, developing standard thresholds for defining cleanliness, and using methods to adjust for confounders such as hand-hygiene practices when examining the impact of disinfection modalities.

Final publication URL

Indexing Status
Subject indexing assigned by CRD

MeSH
Humans; Infection Control; Cross Infection; Preventive Health Services

Language Published
English

Country of organisation
United States

English summary
An English language summary is available.

Address for correspondence
AHRQ, Center for Outcomes and Evidence Technology Assessment Program, 540 Gaither Road, Rockville, MD 20850, USA Email: AHRQTAP@ahrq.hhs.gov

AccessionNumber
32015001000

Date abstract record published
22/09/2015