Knowledge Repository News

The past two months brings you 40 more entries into the Knowledge Repository spanning a range of topics. In these new entries, several papers are related to infection prevention and control. The articles highlight the role of the built environment, and specifically, the use of antimicrobial materials, innovative air flow and ventilation systems, and use of different light systems to kill bacteria and prevent the spread of infection.

In two newer studies, Cadnum and colleagues (2019) looked at the effect of UV light decontamination devices in a radiology procedure room, and found that the devices could be an effective and efficient counterpart to existing cleaning protocol. Murrell and colleagues looked at the impact of a different type of light system in an operating room: a “visible light continuous environmental disinfection” system. Like the Cadnum study, Murrell and colleagues (2019) found that the light reduced surface contamination when used in conjunction with manual cleaning. As the healthcare industry continues to work towards more efficient and effective infection prevention control through procedures and protocol, research on these environmental design solutions is a welcome and much needed complement to improving safety. See all the latest infection prevention additions in the Safety section.

(Papers published ahead of print "in press" will be updated as volume and page information becomes available.)

January – February 2019

Experience

Perceived Quality of Care (Noise, Communication, Waiting, etc.)


Supportive Design (Social Support, Distractions, Nature, etc.)


Safety

Infection Prevention/Control


### Patient Handling/Mobility

Care across the Lifespan

Pediatric


Maternity Care


Elders/Aging

*Aging in Place*


*Cognitive Impairment & Dementia*


Technology


**Design & Evaluation (e.g., Process, Methods, Simulation Modeling)**


**Other (Staff- and Organizational-Related)**


