



RESEARCH IN A SNAP

OVERVIEW

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Knowledge Repository News

There were 60 new additions to the Knowledge Repository to kick off 2018. If you're interested in understanding the current state of the science for a given topic, there are several literature reviews added to the database, including one from The Center's research team about single-occupancy patient rooms (SPRs). This particular review examines the development of the evidence for SPRs in the 10 years following the 2006 requirement for single-bed rooms in the United States and furthers the Facility Guidelines Institute (FGI) commitment to using research in the development of the FGI *Guidelines for Design and Construction*, where possible. (FGI is also one of our Knowledge Repository partners.)

It seems every issue of the "Snap" includes a number of papers related to infection prevention, and this January-February issue is no exception, especially if you ever wondered about those forced air hand dryers! There has also been recent research that we've added related to specific space types, such as ORs, a Hematopoietic Stem Cell Transplantation Unit, waiting areas, or even hallways. There is always an interesting variety of topics, so as always, happy reading!

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

January-February 2018

Literature Reviews (Varied Topics)

1. Gharaveis, A., & Kazem-Zadeh, M. (2018). The Role of Environmental Design in Cancer Prevention, Diagnosis, Treatment, and Survivorship: A Systematic Literature Review. *HERD: Health Environments Research & Design Journal*, in press. <https://doi.org/10.1177/1937586717754186>
2. Gharaveis, A., Hamilton, D. K., & Pati, D. (2017). The Impact of Environmental Design on Teamwork and Communication in Healthcare Facilities: A Systematic Literature Review. *HERD: Health Environments Research & Design Journal*, in press. <https://doi.org/10.1177/1937586717730333>
3. Joseph, A., Bayramzadeh, S., Zamani, Z., & Rostenberg, B. (2017). Safety, Performance, and Satisfaction Outcomes in the Operating Room: A Literature Review. *HERD: Health Environments Research & Design Journal*, in press. <https://doi.org/10.1177/1937586717705107>



4. Li, P., Froese, T. M., & Brager, G. (2018). Post-occupancy evaluation: State-of-the-art analysis and state-of-the-practice review. *Building and Environment*, in press. <https://doi.org/10.1016/j.buildenv.2018.02.024>
5. Parida, S., & Brown, K. (2017). Investigating systematic review for multi-disciplinary research in Built Environment. *Built Environment Project and Asset Management*, in press. <https://doi.org/10.1108/BEPAM-10-2016-0056>
6. Rincon, J. L., Lavy, S. I., & Fernandez-Solis, J. L. (2017). A Strategic Approach to Target Capital Investment on Facility Assets: Literature Review. *Journal of Facility Management Education and Research*, 1(1), 30–39. <https://doi.org/10.22361/jfmer/76316>
7. Taylor, E., Card, A. J., & Piatkowski, M. (2018). Single-Occupancy Patient Rooms: A Systematic Review of the Literature Since 2006. *HERD: Health Environments Research & Design Journal*, in press. <https://doi.org/10.1177/1937586718755110>

Infection Prevention

8. Adams, C. E., Smith, J., Watson, V., Robertson, C., & Dancer, S. J. (2017). Examining the association between surface bioburden and frequently touched sites in intensive care. *Journal of Hospital Infection*, 95(1), 76–80. <https://doi.org/10.1016/j.jhin.2016.11.002>
9. Alharbi, S. A., Salmen, S. H., Chinnathambi, A., Alharbi, N. S., Zayed, M. E., Al-Johny, B. O., & Wainwright, M. (2016). Assessment of the bacterial contamination of hand air dryer in washrooms. *Saudi Journal of Biological Sciences*, 23(2), 268–271. <https://doi.org/10.1016/j.sjbs.2015.06.020>
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11. Becher, R., Øvrevik, J., Schwarze, P. E., Nilsen, S., Hongslo, J. K., & Bakke, J. V. (2018). Do Carpets Impair Indoor Air Quality and Cause Adverse Health Outcomes: A Review. *International Journal of Environmental Research and Public Health*, 15(2), 184. <https://doi.org/10.3390/ijerph15020184>
12. Best, E. L., Parnell, P., & Wilcox, M. H. (2014). Microbiological comparison of hand-drying methods: the potential for contamination of the environment, user, and bystander. *Journal of Hospital Infection*, 88(4), 199–206. <https://doi.org/10.1016/j.jhin.2014.08.002>
13. Best, E. L., & Redway, K. (2015). Comparison of different hand-drying methods: the potential for airborne microbe dispersal and contamination. *Journal of Hospital Infection*, 89(3), 215–217. <https://doi.org/10.1016/j.jhin.2014.11.007>



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Teamwork

25. Gharaveis, A., Hamilton, D. K., Pati, D., & Shepley, M. (2017). The Impact of Visibility on Teamwork, Collaborative Communication, and Security in Emergency Departments: An Exploratory Study. *HERD: Health Environments Research & Design Journal*, in press. <https://doi.org/10.1177/1937586717735290>
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Aging/Elders

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Clinic Design



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Other Specific Space Types

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Access to Nature

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Sustainability/ Energy Efficiency

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Design Process

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Other Topics

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