



Infection Control and Prevention: Design for Safer and Healthier Environments

April 27-28, 2022

The Workshop

Infection control and prevention has been a critical consideration in the design and construction of the healthcare-built environment for decades and given what we have experienced throughout the Covid pandemic, it remains a top priority. Implementing some of the latest best practices in the physical healthcare environment can help to minimize their impact—and help to produce the best outcomes for patients, families and staff.

This intensive and interactive workshop will explore new and evolving approaches to infection control through new design innovations, clinical methods, technologies, and protocols. Attendees will participate in an interactive forum lead by industry experts including infection preventionists, environmental services leaders, facility managers, industry partners, and design specialists and will explore the importance of integrating the available options to continually improve outcomes and mitigate the risk of infection.

Agenda

April 27 Time	Agenda Item
8:00 AM PT 11:00 AM ET	<p>Welcome, Opening Remarks & Introductions</p> <p>Shari Solomon, Esq., Industrial Hygienist & President, CleanHealth Environmental, LLC</p>
8:05 AM PT 11:05 AM ET	<p>Opening Keynote Presentation</p> <p>The workshop will open with a presentation that outlines current and evolving state-of-the-practice for infection control and prevention.</p> <p>Komal K. Jain, Executive Director, Center for Biocide Chemistries</p> <p>Center for Biocide Chemistries' (CBC) Executive Director, Komal K. Jain, will provide an overview of the antimicrobial industry and the products that CBC members manufacture and distribute to the healthcare industry. Antimicrobials are widely used to help prevent the spread of harmful or destructive microbes in public environments, and Ms. Jain will focus, in particular, on the important role that disinfectants play in hospitals, clinics and other healthcare facilities to prevent the spread of infectious germs and how antimicrobial preservatives protect facilities and equipment from microbial spoilage. She will also</p>



	<p>emphasize the importance of healthcare professionals carefully choosing certain antimicrobials based on their compatibility with a facility’s architectural materials and equipment as well as how those formulas should be considered for a given environment. Selection should be based, for example, on how a particular product functions in highly contaminated or trafficked areas or reacts differently to surfaces made of metal versus plastic or other material.</p>
8:35 AM PT 11:35 AM ET	<p>Reducing the Risk of Healthcare Associated Infections from Waterborne Pathogens During Construction Activities</p> <p>Molly M. Scanlon, PhD, FAIA, FACHA, Director of Standards, Compliance and Research, Phigenics</p> <p>This session will share research, guidance, and tools to address water management during construction activities utilizing an infection control risk assessment (ICRA) modeled after the current practice for airborne pathogens. Since 1965, patients in healthcare settings have been impacted by healthcare associated infections from waterborne pathogens and construction activities. Current codes and standards require infection prevention and control practitioners and other members of water safety teams to implement mitigation strategies to reduce risk from waterborne pathogens and construction activities. However, there are limited tools available suggesting how to conduct a water management for construction ICRA to reduce risk from poor water quality in building water distribution systems.</p>
9:20 AM PT 12:20 PM ET	<p>Buildings, Occupant Health, and Antibacterial Resistance</p> <p>Stephanie H. Taylor MD, M Arch, CIC, FRSPH(UK) ASHRAE Distinguished Lecturer, Epidemic Task Force, Environmental Health Committee, Harvard Medical School InciteHealth Fellow</p> <p>Dr. Taylor will show how a medically-based approach to managing the indoor environment can reveal the most effective and resource-efficient steps to optimize occupant health and decrease the threat of microbial pathogens such as COVID-19.</p> <p>Communication between medical and building professionals, such as in this webinar, will help regain our footing. Attend this webinar to learn about the power of the indoor environment to keep humans safe and healthy during COVID-19 and beyond.</p>



10:00 AM PT 1:00 PM ET	West Coast Coffee Break/East Coast Lunch Break
10:30 AM PT 1:30 PM ET	<p>Quantitative Techniques for the Prevention of Healthcare-Associated Infections</p> <p>Marietta Squire, Johns Hopkins University, Department of Civil and Systems Engineering</p> <p>This presentation will describe Infection De-escalation Quantitative Techniques and establish a framework on which to evaluate a clinic or hospital's baseline healthcare associated infection incidence rates. Optimization techniques are applied to evaluate how to most effectively apply infection mitigation measures and minimize costs.</p> <p>Next the Hospital Energy Analysis will be applied to evaluate both the efficacy of the mitigation and also evaluate the associated energy costs from applying infection mitigation measures. Infection mitigation measures discussed include control of relative humidity, negatively-pressured treatment rooms, use of xenon-pulsed UV decontamination, and hand-washing measures. These frameworks are flexible and adaptable to facilitate application to any clinic, healthcare facility or healthcare system.</p>
11:15 AM PT 2:15 PM ET	Wrap up - Discussion
11:30 AM PT 2:30 PM ET	Adjourn Day #1
11:30 AM PT 2:30 PM ET	<p>Social Time</p> <p>Take some time to debrief and unwind from the day with other workshop attendees and key speakers.</p>



April 28 Time	Agenda Item
8:00 AM PT 11:00 AM ET	Welcome- Observations & Reflections Join workshop faculty to reflect on key take-aways from Day #1 and discuss their implications.
8:15 AM PT 11:15 AM ET	Day #2 Keynote Presentation Infection Prevention in the Built Environment – State of the Industry Shari Solomon, Esq., Industrial Hygienist & President, CleanHealth Environmental, LLC In light of COVID, there have been significant advances surrounding Facility Operations & Maintenance in the healthcare space, including an enhanced focus on environmental hygiene and recognition of the vital role it plays in infection control. Ms. Solomon will provide a summary of the current CDC Guidelines as well as a review of emerging technologies regarding cleaning and disinfection, air filtration, and facility maintenance.
8:30 AM PT 11:30 AM ET	Panel: Healthcare Materials & Surfaces Selections and Implications for Infection Control & Prevention Moderator: Barbara Dellinger, MA, FIIDA, EDAC, CHID, CID, NCIDQ AAHID Board of Directors, President, Dellinger Consulting Andrea V. Hyde, NCIDQ, MDCID, HCID, Senior Project Manager – Interiors, Stanford Health Care – Planning Design + Construction Teri Lura Bennett, RN, CHID, EDAC, NIHD, IIDA, President, AAHID Sandy Goodman, IIDA, CHID, LEED AP, EDAC, LSSBB, President, CRGA Design
9:20 AM PT 12:20 PM ET	Audience Q&A with Panel #2 Pose questions of the panelists and hear their responses and insights.
10:00 AM PT 1:00 PM ET	West Coast Coffee Break/East Coast Lunch Break



<p>10:30 AM PT 1:30 PM ET</p>	<p>Lessons in Resilience – A New Safety-Focused Bed Tower Adapts to the Pandemic</p> <p>Annie Chiang, Project Architect & Associate, SmithGroup Christine Basiliere, Vice President Workforce Strategy and Support Services, Sharp HealthCare</p> <p>The 7-story Sharp Chula Vista Ocean View Tower opened on January 14, 2020, just a few days after the Centers for Disease Control had confirmed the first COVID-19 case in the United States. The Sharp Chula Vista Medical Center Team will share how they modified their new bed tower and its design for the sixth-floor shell, which was planned and designed to meet High Reliability Organization (HRO) standards, to address the COVID-19 crisis so soon after opening.</p>
<p>11:15 AM PT 2:15 PM ET</p>	<p>Wrap Up</p>
<p>11:30 AM PT 2:30 PM ET</p>	<p>Adjourn Day #2</p>

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