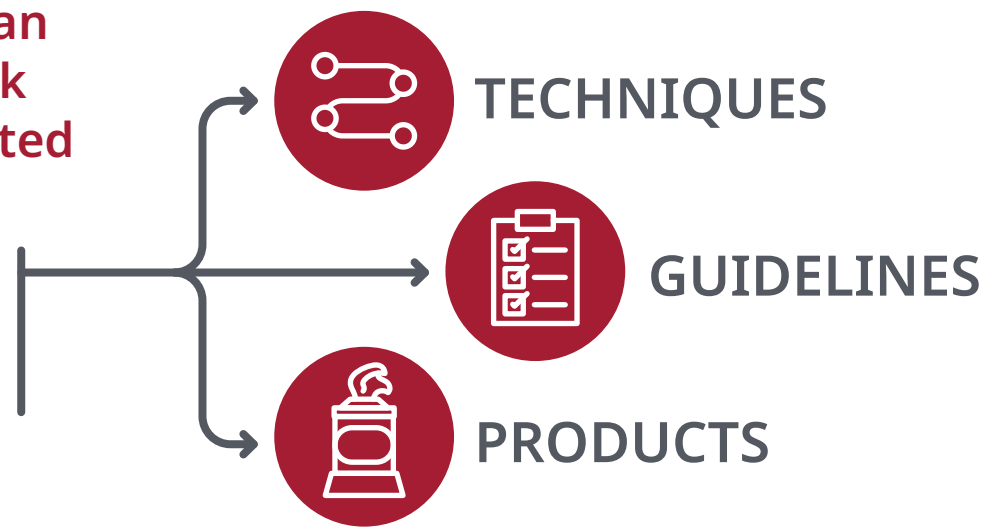


A LAYERED APPROACH TO INFECTION PREVENTION



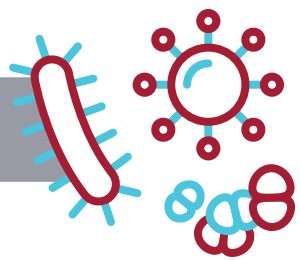
No single approach can fully eliminate the risk of healthcare-associated infections (HAIs).

That's why hospitals need multiple layers of defense – an approach known as “layering” or “bundling,” which combines:



WHY IS LAYERING IMPORTANT?

Hospitals harbor a diverse collection of pathogens



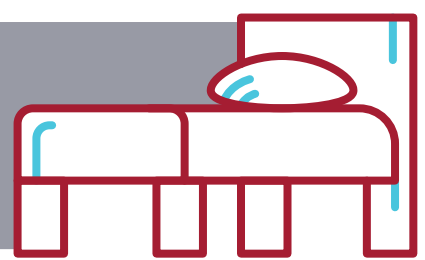
Patient rooms often include hard-to-clean surfaces



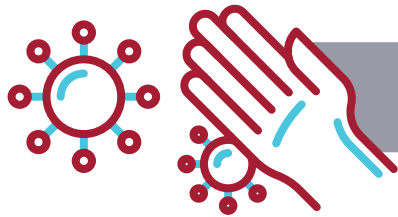
100% compliance is always a challenge

> 50% of healthcare surfaces are not properly disinfected.¹

Patients who occupy a room after a patient infected with a multidrug-resistant organism have a 39-353% increased risk of infection.¹



Surfaces can easily be recontaminated



The end result: Approx. 1 in every 31 hospitalized patients has at least 1 HAI on any given day.²

WHAT DOES A SMART LAYERED APPROACH LOOK LIKE?³

Establishing standardized, evidence-based policies & protocols

Procedures must include what items need to be cleaned, in what order, the type of cleaning or disinfection, and what products and dilution should be used.



Choosing appropriate disinfection products

Specific products should be selected for both “cleaning” to remove surface debris, dust and organic material, and “disinfection” to kill microorganisms. Disinfecting products should be fast acting with a wide spectrum of kill claims.



Staff education

A curriculum and checklists should be developed to keep steps clear and consistent. Effective, ongoing training for the environmental services and clinical teams should also be provided, with a special emphasis on new hires.



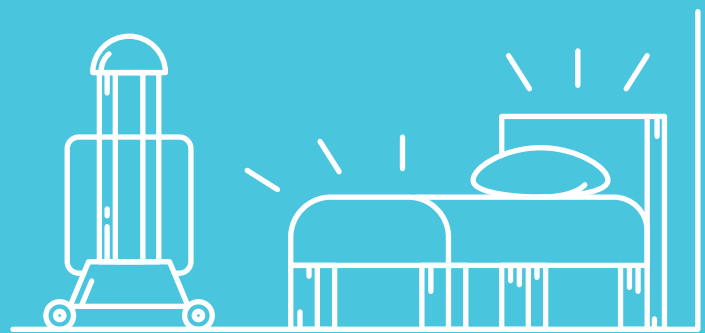
Compliance monitoring and feedback

Staff compliance with the infection control process should be systematically monitored at regular intervals. Results and feedback should be shared with team members to keep them informed and motivated.



No-touch, whole room decontamination

A combination of UVC technology and highly compliant manual disinfection (i.e., surface disinfectant wipes) has been shown to reduce epidemiologically-important pathogens, decreasing the relative risk of infection among patients in hospital settings.



LAYER 1

LAYER 2

LAYER 3

LAYER 4

LAYER 5

Reducing HAIs in your healthcare setting can save time, money, and even lives.

For more on layering, infection control and the prevention of HAIs, visit: www.pdihc.com/layering

References: 1. Weber, D., et al (2016). 'No touch' technologies for environmental decontamination: focus on ultraviolet devices and hydrogen peroxide systems. Current Opinion in Infectious Diseases, 29:000-000.
2. HAI Data | CDC. (2020). Retrieved 12 August 2020, from <https://www.cdc.gov/hai/data/index.html>
3. Rutala, W. A., & Weber, D. J. (2019). Best practices for disinfection of noncritical environmental surfaces and equipment in health care facilities: A bundle approach. American Journal of Infection Control, 47, A96-A105.