

Quick Guide to Future-Proofing Your Census

Protecting your residents, staff, their families, and your bottom line is a huge responsibility. Here is a quick guide to enable success for your census.

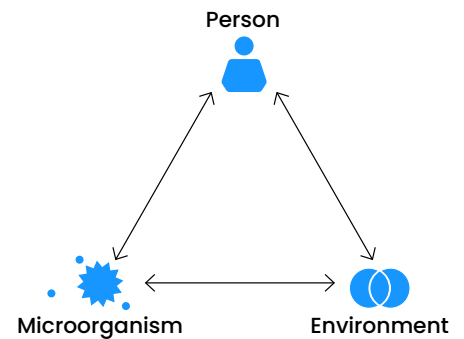
Step 1: Establish your baseline

Residents and staff deserve to interact in safer indoor environments. Indoor environmental health in senior care facilities is possible through the implementation of Healthy Buildings principles, including attention to indoor air quality, effective disinfection, and layered protocols. How are you implementing Healthy Buildings principles for your senior care facilities?

Step 2: Understand the triangle

One of the simplest models for understanding disease is what the CDC calls the **epidemiological triangle**. The triangle includes three components:

[View Source](#)



Step 3: Evaluate your current strategies

The most commonly used strategies make a difference, but the pandemic has made clear that they are not fool-proof and have obvious weaknesses that need to be addressed. How is your facility leveraging these tactics, and where are your potential threats?

	Person	Microorganism	Environment
Hand Hygiene	✓ Potentially removes germs from hands	✓ Potentially removes germs from hands	✗ Does not address germs on surfaces or in air
Use of Masks	✓ Potentially limits airborne transmission from infected individuals	✓ Potentially limits inhalation of airborne germs for non-infected individuals	✗ Does not actively address airborne threats
Surface Cleaning & Disinfection	✓ Removes dirt and potential germs from surfaces	✗ Does not actively protect vulnerable residents	✓ Removes dirt and potential germs from surfaces
Air Filtration	✓ Traps but does not kill germs - limitations	✗ Does not actively protect vulnerable residents	✓ Traps but does not kill germs - limitations

Step 4: Adopt a full ecosystem solution

Protecting your residents and staff requires a comprehensive strategy that addresses all potential threats and takes into account all three elements of the epidemiological triangle.



254nm UV-C light disinfection can disinfect entire unoccupied rooms in just 7 minutes to dramatically reduce harmful microbial counts in an indoor environment to almost zero.*



265nm upper room ultraviolet germicidal irradiation (UVGI) can disinfect the air in occupied spaces, autonomously and continuously reducing microbial counts in occupied spaces as individuals inhale and exhale air in shared spaces.*



222nm far UV light is the only UV light safe for human exposure and can actively disinfect the air and surfaces in occupied spaces to inactivate germs, purify the air, and dramatically decrease the microbial count in residents' rooms.*

*Based on third-party testing of efficacy against microorganisms including SARS-CoV-2, feline calicivirus, MRSA, and E. Coli.

Future-proofing your census starts with addressing harmful microorganisms in your buildings and creating healthy living spaces for your residents. As you outline strategies for your facility, ensure that you are addressing personal, microorganic, and environmental factors to achieve a layered strategy for reducing risk.

About R-Zero

R-Zero's UV-C light devices form the world's first continuous, automated disinfection ecosystem for occupied and unoccupied spaces. This ecosystem can function in any indoor environment to address risk of exposure to harmful microorganisms and facilitate healthy indoor environments in senior care facilities. R-Zero's holistic solution identifies risk and protects occupants in indoor spaces while delivering better outcomes for organizations and individuals to drive the future of indoor health.

Learn more about how R-Zero's disinfection ecosystem can help you future-proof your census through enhanced indoor environmental quality by visiting rzero.com/senior-care.