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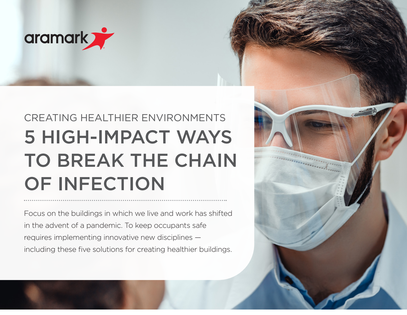

CREATING HEALTHIER ENVIRONMENTS

5 HIGH-IMPACT WAYS TO BREAK THE CHAIN OF INFECTION

Focus on the buildings in which we live and work has shifted in the advent of a pandemic. To keep occupants safe requires implementing innovative new disciplines — including these five solutions for creating healthier buildings.

1 Quantify Space Utilization and Occupancy Management in Real-Time

TODAY, a range of devices and applications help manage occupant behavior and building performance through data-driven, real-time insight using the Internet of Things (IoT), artificial intelligence (AI) and machine learning (ML).

> **Sensor-driven density monitoring technologies are in demand."** —(Source)

Solution: AIWX Connect (Aramark Intelligent Workplace Experience)

How it works:

- Room sensors capture occupancy levels, traffic patterns, room temperature and more
- Real-time data is sent to a single, centralized platform for processing into actionable insights
- Teams use the data-driven insights to increase cleaning frequencies, monitor air quality, improve occupant satisfaction and support social distancing

Ways AIWX Connect breaks the chain of infection:

- Increases cleaning frequencies with existing resources
- Manages occupancy levels and social distancing
- Supports contact tracing and rapid risk identification

2 Validate Your High-Touch Cleaning for Added Safety

FREQUENTLY TOUCHED surfaces create the highest risk for cross-contamination and infection. Adopt a program that validates the thoroughness of your cleaning program through technology. The results provide insight on training needs, as well as peace of mind that surfaces are clean.

> **Four in 10 people feel less safe in a hospital since the virus, although 40% say they are as safe and 20% feel they are safer."**
> —(Sage Growth/Black Book Market Research, Evolving U.S. Healthcare Needs and Attitudes During COVID-19)

Solution: High-Touch Cleaning Validation

How it works:

- Fluorescent marking system provides visual proof of cleaning efforts
- Validates cleaning efficacy by scanning pre-marked high-touch surfaces
- Supports efforts for continuous improvement processes to ensure clean and healthier environments for patients, caregivers and staff

Ways high-touch cleaning validation breaks the chain of infection:

- Validates cleaning of high-touch surfaces
- Reduces risk of virus spread through surface transfer
- Supports training for effective cleaning and continuous improvement

3 Recommission Air Systems

BUILDINGS NEED air purification systems that lower the risk of transmission. Proven recommendations from ASHRAE and the CDC to increase ventilation and outside air and enhance the filtration will prove the greatest value to mitigate transmission of the virus. Additive systems such as Ultraviolet Germicidal Irradiation (UVGI) prove useful in spaces where ventilation or filtration enhancements cannot be deployed in order to purify air.

> **Americans, on average, spend approximately 90% of their time indoors, where the concentrations of some pollutants are often 2 to 5 times higher than typical outdoor concentrations."** —(Source)

Solution: Air Filtration Enhancements for Improved Air Quality

How it works:

- Enhancing filtration by using high-efficiency particulate air (HEPA) filters, ultraviolet light (UV) or plasma air devices to increase availability of fresh air to occupants
- MERV-13 HEPA filters within central filtration reduce particle transmission
- UVGI serves as additional purification strategy to disinfect on top of proper filtration

Ways filtration enhancements break the chain of infection:

- Replaces systems that only recirculate air indoors
- Improves contamination control of all particles through system and lowers risk of airborne disease transmission
- Gives occupants the highest level of air quality

4 Harness Autonomous Vehicles and AI

AUTONOMOUS VEHICLES and robotics powered by AI are supporting building cleaning efforts. Robotic technology can be used in cleaning of hard surfaces within large, open spaces.

> **By 2025, 150K+ mobile robots will be deployed in brick-and-mortar establishments."**
> — (Source)

Solution: Robotics and AI-Powered Vehicles

How it works:

- Safer for employees when used in high-risk environments
- Supports increased cleaning frequencies where needed
- Collects performance data for improved decision-making

Ways autonomous vehicles break the chain of infection:

- Delivers standardization and operational consistency
- Frees staff from performing high-risk jobs
- Ensures high-quality and efficient cleaning in certain areas

5 Leverage Third-Party Supply and Innovation Partners

THROUGH its deep, strategic partnerships, Aramark provides supply chain continuity and peace of mind.

> **Developing a robust PPE supply chain must be the first order of business."** —(Source)

Solution: Proactively Maintain Strong Supplier Partners

How it works:

- Form strong partnerships with PPE and innovation providers
- Accurately determine short- and long-term needs
- Maintain a consistent supply flow to keep employees safe
- Stay abreast of industry best practices and emerging products

Ways supply partners break the chain of infection:

- Establishes partnerships that inspire supply chain confidence
- Trusted partners meet present and future needs to ensure availability in case of emergencies
- Leverage opportunities to obtain best prices and optimize budgets

BREAK THE CHAIN OF INFECTION TODAY. Contact Aramark to learn how we create healthier environments for patients, staff and visitors.

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