



A HEALTHIER FUTURE **STARTS** **INDOORS: HEALTHCARE**

As the awareness of infectious diseases continues to increase for patients and providers alike, it's become clearer than ever that reducing transmission affects every aspect of the built environment. And that's where healthy building strategies come in. By focusing on creating healthy indoor environments, today's healthcare facilities can not only help improve infection control – they can enhance patient experiences and outcomes, staff productivity, building efficiency and more.

HEALTHCARE PRIORITIES



THE SCIENCE OF HEALTHY INDOOR ENVIRONMENTS

While much of the effort to create healthy indoor environments is focused on reducing the spread of disease, research has shown the potential benefits to be even greater.



Heating, ventilating and air conditioning alone can:

- Enhance patients' recovery process
- Reduce length of hospital stay
- Lessen medical errors and infection rates
- Improve the indoor air quality (IAQ)
- Minimize hospital-acquired infections

Shajahan A, Culp C, Williamson B. 2018. Effects of Indoor Environmental Parameters Related to Building Heating, Ventilation and Air Conditioning Systems on Patients' Medical Outcomes: A Review of Scientific Research on Hospital Buildings. Indoor Air DOI: 10.1111/ina.12531



In addition, the [COGfx Study](#) has shown that healthy buildings can significantly improve cognitive function, while the [HEALTHfx Study](#) revealed the benefits of healthy buildings on societal health and climate. All in all, we're seeing that healthy buildings can impact the patient experience and the bottom line for healthcare facilities.

**WE SPEND
90%
OF OUR TIME
INDOORS**

We can use healthy building environments to:

IMPROVE COGNITIVE FUNCTION

in enhanced green buildings

131% HIGHER

IMPROVE PERSONAL HEALTH

in high-performing, green-certified buildings vs. high-performing, non-certified buildings

30% FEWER & 6.4% HIGHER

IMPROVE SOCIETAL HEALTH

Compared to "conventional commercial buildings," the green-certified buildings studied saved

\$13.3B for 2000-2016

CARRIER HEALTHY BUILDINGS PROGRAM

As the inventors of modern air conditioning and a world leader in HVAC and refrigeration solutions, Carrier has a legacy of creating safe and comfortable buildings. Now we're building on that legacy through our Healthy Buildings Program. Our experts have in-depth knowledge and experience in healthcare and a holistic suite of healthy building technologies and services to help meet the needs of the industry today and long into the future.

HEALTHY BUILDINGS ASSESSMENTS FOR HEALTHCARE

At Carrier, our experts are here every step of the way to help you develop a healthy building strategy – starting with assessments across three specific aspects of your facility.

EMERGENCY ASSETS

- Access to on-demand supplemental HVAC equipment in the event of emergency
- Detailed site evaluations
- Ensure system is able to meet your ventilation and IAQ requirements

IAQ ASSESSMENT

- Test air quality
- Develop and implement upgrades for optimal filtration, ventilation, airflow, controls, etc.
- Develop corporatewide IAQ engineering standards

WELLNESS ASSESSMENT

- WELL building standard certification
- WELL performance testing

HEALTHY BUILDINGS SOLUTIONS FOR HEALTHCARE

Carrier offers a full suite of products and services designed to help create safe and healthy environments for patients and staff. The following are just a few highlights of our offering.



RMAP AIR PURIFIER



ACTIVE CHILLED BEAMS



AGION®-COATED AIR-HANDLING UNIT

HEALTHY BUILDINGS SERVICES FOR HEALTHCARE

Healthy buildings are about more than design and solutions. Ongoing management and operation are essential to optimizing indoor environments for patient health and safety, staff productivity and building efficiency. Here are a few examples of Carrier remote services available to help.



REMOTE AIRSIDE MANAGEMENT

- Manage IAQ and ventilation in line with best practices
- Make changes and fix issues remotely
- Optimize maintenance and operational costs
- 24x7 command center



REMOTE ENERGY MANAGEMENT

- Provide advanced cloud-based analytics
- Optimize energy efficiency, equipment uptime, occupant comfort and operational productivity
- Actionable insights by CORTIX™ building IoT platform
- Optimize autonomously or through a mobile application



REMOTE HVAC SERVICES

- Maximize performance and efficiency
- Increase uptime
- Improve budgeting and scheduling
- Fault detection and diagnostics

GET STARTED WITH AN EXPERT

From improving infection control to helping facilitate faster healing, a healthier future starts indoors. Let's work together to safely unlock the full potential of healthy hospitals. Visit us at carrier.com/healthybuildings to learn more about our Healthy Buildings Program and connect with one of our experts.



HEALTHYBUILDINGS

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