

A HEALTHIER FUTURE **STARTS INDOORS: HEALTHCARE**

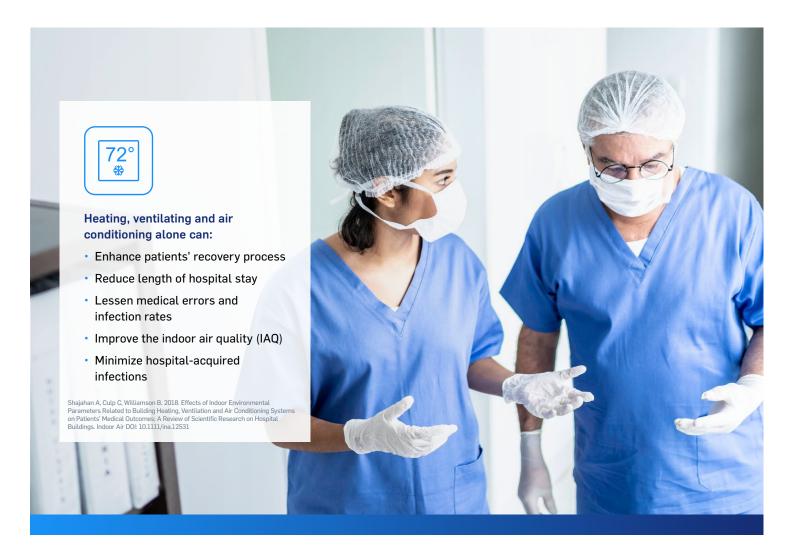
As the awareness of infectious diseases continues to increase for patients and providers alike, it's become clearer than ever that reducing transmission affects every aspect of the built environment. And that's where healthy building strategies come in. By focusing on creating healthy indoor environments, 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.



In addition, the <u>COGfx Study</u> has shown that healthy buildings can significantly improve cognitive function, while the <u>HEALTHfx Study</u> 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.



IMPROVE COGNITIVE FUNCTION

in enhanced green buildings

Crisis response scores

131% HIGHER

Information usage scores

299% HIGHER Strategy scores

288% HIGHER

IMPROVE PERSONAL HEALTH

in high-performing, green-certified buildings vs. high-performing, non-certified buildings Sick building symptoms

30% FEWER &

better environmental perceptions

Sleep quality scores

6.4%
HIGHER

Primary support for the study came from Carrier.

MacNaughton P, Allen J, Satish U, Laurent J, Flanigan S, Vallarino J, Coull B,
Spengler J. 2016. The Impact of Working in a Green Certified Building on Cognitive
Function and Health. Building and Environment DOI: 10.1016/j.buildenv.2016.11.041

IMPROVE SOCIETAL HEALTH

Compared to "conventional commercial buildings," the green-certified buildings studied saved \$5.8B in combined health and climate benefits

\$7.5B

in energy

Total benefit of \$13.3B for 2000-2016

CO₂

\$1.4B from averting negative impacts of climate change

\$4.4B

from reductions in air pollution resulting in fewer deaths, hospital visits, lost days of work and school, and more

Primary support for the study came from Carrier.

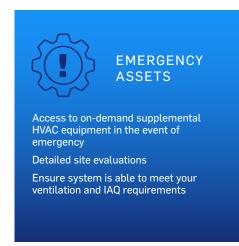
MacNaughton P, Cao X, Buonocore J, Cedeno-Laurent J, Spengler J, Bernstein A, and Allen J. Berrgy Savings, Emission Reductions, and Health Co-Benefits of the Green Building Movement 30 January 2018. Journal of Exposure Science and Environmental Epidemiology.

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.















RMAP AIR PURIFIER

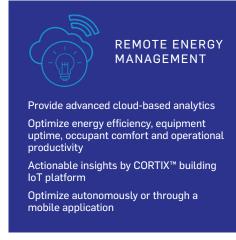
ACTIVE CHILLED BEAMS

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.







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.

