

# Some of The Center for Health Design's\* Accomplishments Over 25 Years

## National Symposium on Health Care Interior Design, Inc.

Founded 1987

The precursor to the current Healthcare Design Expo and Conference, this symposium brought together the key stakeholders from diverse communities involved in the design, furnishings and operation of healthcare facilities. For the first time, a community and a common voice for the industry was created, facilitating dramatic positive changes to healthcare facility design.



## HCD Expo & Conference

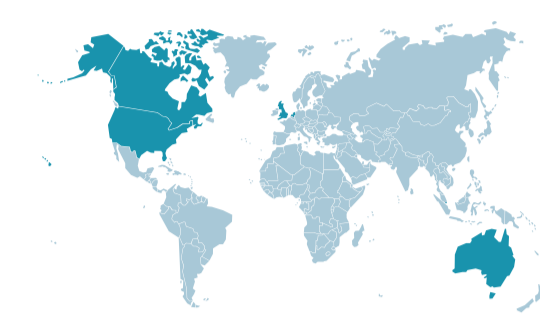
Devoted to how the design of responsibly built environments directly impacts the safety, operation, clinical outcomes, and financial success of healthcare facilities, both now and into the future, this healthcare design conference highlights best practices and top healthcare design products. Attendees have the opportunity to earn continuing education credits, network with peers, discuss best practices, view innovative design products, and influence the direction of the industry as it advances into the future.

HEALTHCARE DESIGN  
EXPO & CONFERENCE 2017

 **137** EDUCATIONAL SESSIONS  
 **8** FACILITY TOURS  
 **3,500+** ATTENDEES  
 **448** SPEAKERS

## The Pebble Project Launched 2000

Since 2000, The Pebble Project has been facilitating the use of an evidence-based design process by healthcare providers, architects, and designers in their capital healthcare projects. Pebble Partners learn how to develop strategies to implement, measure, and document the results of their endeavors from the experiences, lessons learned, and expert advice of fellow members, as well as through resources, tools and expertise provided by The Center. The Pebble Project shifted the focus of these projects to be research-informed and created a bar for the larger community's designs.



**93**  
PROJECTS ACROSS  
6 COUNTRIES

## Healthcare Design Magazine

Published by Emerald Expositions in association with The Center

Launched 2001

*Healthcare Design Magazine* was the first publication to focus solely on healthcare projects. In its early years it functioned as an annual yearbook, pulling together the best projects from that year for people to learn from and use as a launch pad for conversations around best practices and new ideas. Over time, it grew to a monthly publication that became a voice for our industry.



**40,000**  
SUBSCRIBERS

## HERD Journal Published by SAGE Publications in association with The Center

Launched 2007

*Health Environments Research & Design (HERD) Journal* features articles and research papers on the relationships among health and environmental design and organizational, provider, and patient outcomes. As a translational journal linking research to practice, *HERD* features both rigorous research from academic sources and applied research from practice. To date, 45 issues have been published. The *HERD Journal* is an established academic journal that anchored the healthcare design industry in research.



**45**  
ISSUES

## Evidence-Based Design Accreditation and Certification (EDAC)

Launched 2008

A collaborative effort with our partner: Steelcase Health

The EDAC credential distinguishes those certified with proven knowledge of the evidence-based design process. Since its inception, over 2,400 people have become EDAC certified. This community of architects, designers, hospital executives, healthcare providers, engineering and construction professionals, product manufacturers along with academics are helping to advance knowledge and expertise about the importance of designing an environment based on credible research that can impact patient care and perceptions.



**2,400+**  
CERTIFIED

## Knowledge Repository

Launched, 2012

A collaborative effort with our partners: AIAAAH, ASHE, FGI; Additional Key Point Summaries by NIHD and RDC

This extensive, user-friendly, online and free library of healthcare design resources currently contains over 3,600 citations and over 700 key point summaries created by The Center's expert researchers and continues to grow with the latest research. This library makes research more accessible and actionable to those without research training. In addition, users can search for case studies, interviews and other relevant sources from the Insights & Solutions section on The Center's website.



**3,600**  
CITATIONS

### [Publication of Key Industry Papers](#)

**Status Report: An Investigation to Determine Whether the Built Environment Affects Patients' Medical Outcomes (1998)**  
Rubin, H., Owens, A., & Golden, G., Quality of Care Research, The Johns Hopkins University

One of the first literature reviews that identified 84 articles in a 30 year period that described the impact of environmental elements on health outcomes.

**The Role of The Physical Environment in The Hospital of The 21st Century: A Once-In-A-Lifetime Opportunity (2004)**  
Ulrich, R., Zimring, C., Quan, X., Joseph, A., & Choudhary, R.; Funded by The Robert Wood Johnson Foundation.

In this project, research teams from Texas A&M University and Georgia Tech combed through several thousand scientific articles and identified more than 600 studies—most in top peer-reviewed journals—that establish how hospital design can impact clinical outcomes. The team discovered that there is a very large and strong body of evidence to guide hospital design.

**A Review of the Research Literature on Evidence-Based Healthcare Design. *Health Environments Research & Design Journal* (2008)**  
Ulrich, R., Zimring, C., Zhu, X., DuBose, J. Seo, H., Quan, X., & Joseph, A. Funded by The Robert Wood Johnson Foundation.

This review found a growing body of rigorous studies to guide healthcare design, especially with respect to reducing the frequency of hospital-acquired conditions. The findings further support the importance of improving outcomes for a range of design characteristics or interventions, including single-bed rooms rather than multi-bed rooms, a good acoustic environment, nature distractions and daylight, appropriate lighting, better ergonomic design, acuity-adaptable rooms, and more.

**The Business Case for Better Buildings. *Frontiers in Health Services Management* (2004)**  
Berry, L., Parker, D., Coile, R., Hamilton, D.K., O'Neill, D., & Sadler, B.

In this article, a "Fable Hospital" was created to present evidence in support of the business case for better buildings. The findings indicate that the one-time incremental costs of designing and building an optimal facility can be quickly repaid through operational savings and increased revenue, and result in substantial, measurable, and sustainable financial benefits.

**The Business Case for Building Better Hospitals through Evidence-Based Design. *Health Environments Research & Design Journal* (2008)**  
Sadler, B., DuBose, J., Malone, E., & Zimring, C. Funded by The Robert Wood Johnson Foundation.

Hospital leaders and boards face a new reality: They can no longer tolerate allowing preventable patient hospital-acquired conditions such as infections and falls or injuries to staff, nor should patients and families be subjected to noisy, confusing environments that increase anxiety and stress. Leaders must understand the clear connection between constructing well-designed healing environments and improved healthcare safety and quality for patients, families, and staff, as well as the compelling business case for doing so.