Pediatric Design

Pediatric healthcare facilities are distinctive for their age-adaptive design, detailing that engages a child’s imagination and a child-scaled environment. These elements promote healing, comfort and family-centered care for the young patient while accommodating state-of-the-art, critical care technology.
Experience and Expertise

With each project we are:

1. Thoughtful: informed and creative design.
3. Integrated: collaborative design process.
5. Innovative: the latest design techniques and building technologies.
7. Valuable: understanding your business.

We have served the medical community since our founding in 1874 and continue to be a national leader in:

- Architecture
- Master Planning
- Interior Design
- Programming
- High-Performance Building Technology
- Operational Design

Our healthcare projects include:

- Academic Medical Centers
- Children’s Hospitals
- Community Hospitals
- Medical Research Facilities
- Specialty Care Clinics and Hospitals
- Ambulatory Care Facilities
- Clinical Research Facilities
1. Identifying with Children
Create a recognizable, welcoming, non-threatening, friendly and calming environment for children.

2. Spaces for Family as Care-Givers
Involve families in the healing process by giving them places to be with their child, to sleep overnight—and occasionally find their own respite.

3. Self-Care and Independence
Promote healing and reduce anxiety by enabling families and children to customize their environment.

4. Intuitive, Stress-free Wayfinding
Alleviate confusion and stress with simple, clear and effective planning, signage, lighting, detailing and color.

5. A Scale for Children
Design buildings that respond to the size of children to give them comfort and to reinforce the value of their personal and individual needs.

6. Age-adaptive Design
Create environments that can be reconfigured to suit the needs of children of differing ages in order for them to feel comfortable and enabled.

7. Light as a Healing Element
Brighten healing spaces, emphasizing daylight connections to the outdoors.

8. Details for a Child’s Imagination
Engage children with color, playful forms and patterns, and interactive learning.

9. Delight and Contemplation
Feature gardens, art-filled lobbies, chapels, gift shops and cafes.

10. Connection to Nature
Establish healing gardens that promote patient recovery and reduce stress and anxiety.
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<td>Bristol Myers-Squibb Children's Hospital at Robert Wood Johnson University Hospital</td>
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<td>Children's Hospital of Michigan at Detroit Medical Center</td>
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<td>Yale-New Haven Children's Hospital</td>
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<td>Maine Medical Center</td>
<td>Barbara Bush Children's Hospital</td>
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<td>Monroe Carole Jr. Children's Hospital at Vanderbilt</td>
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<td>Morgan Stanley Children's Hospital of New York - Presbyterian</td>
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<td>UMASS Memorial Hospital</td>
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<td>Floating Hospital for Children at Tufts Medical Center</td>
<td>80 Bed NICU</td>
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<td>McGill University Health Centre</td>
<td>McGill Children's Hospital</td>
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- **innovation**
- **original innovation**
- **freestanding hospital**
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<tr>
<th>Long Range Visioning</th>
<th>Family-Centered Design</th>
<th>Decentralized Nursing</th>
<th>Decentralized Patient Support</th>
<th>Outboard Bathrooms/Natural Light</th>
<th>Acuity Adaptable Floors</th>
<th>Technology Innovations</th>
<th>Program Innovations</th>
<th>Evolve(d) as a Center of Excellence</th>
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<td>Family-Centered Care, Child Life Program, Centers of Excellence</td>
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<td>7: MR-OR, Hybrid Rooms, Cardiac MR, Card access in-room Meds; 8: Single room ICU, On floor Simulations, On stage / off stage</td>
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<td>7: NASA Room, Nurse Server; 8: On stage / off stage</td>
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<td>8: Centers of Excellence, Integration of Education, research and patient care</td>
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<td>Groundbreaking, Sensory-Sensitive Unit</td>
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<td>8: Fully integrated school program</td>
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hospital within a hospital  
transitioned from center of excellence into freestanding hospital
As one of the country’s busiest pediatric medical centers, Children’s Hospital of Wisconsin is growing faster than expected, and needs additional beds and clinic space to make room for more patients. The much-needed patient tower takes the hospital from 236 licensed beds to 294, with room for future expansion. This colorful and light-filled tower gives the hospital campus a new image and identity. The tower features a larger pediatric intensive care unit and expanded cardiology unit. Its design reflects an emphasis on patient-and family-centered care, with all single-patient rooms that provide patient and family privacy and greater infection control. Rooms are 30 percent larger than the hospital’s existing rooms and designed based upon input from patient families, nurses, physicians, and staff. In the lobby, floor designs include a flock of birds swooping toward the elevators to guide visitors. A 900-gallon saltwater aquarium built into the wall is a calming feature. Student art on the patient floors is complemented by colorful terrazzo floors, each level individually themed with designs of sea creatures, forest leaves, animal tracks, and birds that enliven the space and ease wayfinding.
For the past eight years, Shepley Bulfinch has worked on the urban planning and facility design for Children’s Hospital Boston - one of the nation’s top hospitals specializing in pediatric care. The master plan is a strategic document that manages CHB’s physical facility, assets, and resources and is continually adjusted to support the institution’s mission and goals. The plan integrates clinical, research and patient needs within the dense context of the Longwood Medical Area in Boston. The goals for planning, infrastructure, and facility design are complex: improve the physical identification of CHB within the Longwood Medical Area; improve and expand gathering space for patients and families; improve the quality of Longwood Avenue; create flexible clinical spaces for future use; improve the pedestrian and vehicular circulation of the hospital campus; enhance the bench to bed clinical research; practice environmentally sustainable design.

**Clinical Building Expansion**
- Square Footage: 18,500
- Construction Cost: $6.67m
- Completion Date: 2008

**Program Reaggregation**
- Square Footage: 40,000
- Construction Cost: $6.37m
- Completion Date: 2007

**Level 2 Renovations**
- Square Footage: 11,600
- Construction Cost: $1.9m
- Completion Date: 2006

**Berthiaume Family South Building**
- Program: Children’s Hospital
- Square Footage: 240,387
- Construction Cost: $102m
- Completion Date: 2005
This award-winning project creates a child- and family-focused Children’s Hospital and demonstrates the Hospital’s commitment to creating a healing environment for the unique needs of children and their families. The original three-story pediatric facility, completed in 2001, was expanded to six stories in 2005. The Hospital has its own entrance and lobby to provide exclusive access to pediatric programs. Patients and visitors are greeted by a landscaped garden, while the lobby offers an interactive educational play area. Patient floors include family support areas and outdoor play terraces. The two and a half story vertical expansion includes a NICU and bed floor, integrated into existing building by elevator lobbies and other public areas. Playful colored façade elements and a “lantern” at the main entrance link the existing structure and the expansion, creating a strong visual identity. The project was completed in association with The Hillier Group.

**Robert Wood Johnson University Hospital**

New Brunswick, NJ

**Bristol-Myers Squibb Children’s Hospital**

Square Footage: 146,000
Construction Cost: $36m
Completion Date: 2001

**Expansion**

Square Footage: 63,000
Construction Cost: $25m
Completion Date: 2005
This Specialty Center expands and consolidates outpatient services in a flexible facility that emphasizes primary and preventative care. By facilitating access to services, including labs, x-ray and immunization facilities, clinics, and medical offices, the Center fosters a culture of wellness. Its emphasis on family-focused care includes spaces that accommodate multiple family members. A general pediatric clinic, specialty clinics, and outpatient dialysis and infusion center occupy three floors while a fourth houses physicians’ office suites. Physical and occupational therapy on the lower level includes a gym with a rock-climbing wall. Built on a previously developed site, the Center frees space for future higher-acuity medical program expansion in the main hospital. The Center complements the existing campus and will set the pace for sustainable design. Children’s Hospital of Michigan is part of Detroit Medical Center. Shepley Bulfinch is the design architect in association with Integrated Design Solutions of Detroit.
Recent Healthcare Clients

Beth Israel Deaconess Medical Center
Bronson Methodist Hospital
Carle Foundation Hospital
Children’s Hospital and Health System
Children’s Hospital Boston
Children’s Hospital of Michigan
Children’s Mercy Hospitals and Clinics
Connecticut Children’s Medical Center
Concord Hospital
Dartmouth-Hitchcock Medical Center
Eastern Virginia Medical School
Frisbie Memorial Hospital
Greenwich Hospital
Hartford Hospital
Lahey Clinic
Massachusetts Eye and Ear Infirmary
Massachusetts General Hospital
MD Anderson Cancer Center
Medical College of Georgia
Medical College of Virginia Hospital
Mid Coast Health System
Mount Auburn Hospital
North Shore Medical Center
Resurrection Medical Center
Robert Wood Johnson University Hospital
Roswell Park Cancer Institute
Sherman Hospital
St. Mary’s Janesville
Tufts Medical Center
University of Houston, College of Optometry
University Medical Center
University of Michigan Medical Center
University of Rochester Medical Center
Yale-New Haven Hospital

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