The Congenital Heart Collaborative
University Hospitals Rainbow Babies & Children's Hospital and Nationwide Children's Hospital have formed an affiliation for the care of patients with congenital heart disease from the fetus through adulthood. The innovative collaboration provides families with access to one of the most extensive and experienced heart teams – highly skilled in the delivery of quality clinical services, novel therapies and a seamless continuum of care.

"The affiliation is a completely new and different enterprise," says Timothy Feltes, MD, co-director of The Congenital Heart Collaborative.

"Both institutions are all in, and driven for best outcomes for our patients."

The Congenital Heart Collaborative team shares a common mission in education, quality of care and the advancement of the field through research. The goal for the collaboration is to provide a superior level of pediatric and adult congenital heart care to families across northern Ohio. The collaborative positions the team to better grow clinical research, recruit talented physicians, fellows and allied medical staff, and meet the goal of high patient, physician and staff satisfaction.

"Taking care of children with complex heart abnormalities and the high-risk procedures needed to care for them is not something that can, or should, be done everywhere," says Mark Galantowicz, MD, chief of cardiothoracic surgery and co-director of The Congenital Heart Collaborative. "This work is too important to dabble in, which is why we came together to create a system that builds on the strengths of both institutions to make the biggest impact for these patients."

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Physician-to-Physician Consultation Line
216-UH4-ADOC (216-844-2362)

Physician Access Line
(Future transfers, admissions referrals, emergency department referrals, appointments)
216-UH4-PEDS (216-844-7337)

Rainbow.org
Quality and Innovation

UH Rainbow Babies & Children’s Hospital, UH MacDonald Women’s Hospital and The Congenital Heart Collaborative are working to provide advanced care for the most fragile patients and best outcomes through research and quality improvement projects. Whether in the delivery room, the NICU, the operating room or the catheterization suite, amazing things are happening.

In 2015, UH MacDonald Women’s Hospital celebrated 3,939 live births and reported cesarean rates of 20 percent for primary cesarean deliveries and 11 percent for repeat cesarean deliveries.

UH Rainbow Babies & Children’s NICU Event Rate per 1,000 Live Days

Central line-associated blood stream infections (CLABSI) are among the potentially deadly hospital-associated complications faced by institutions in the United States. The rates of CLABSI at the UH Rainbow Babies & Children’s Hospital NICU are remarkably low because of the priority on prevention.

The most important part of a stay in the NICU is going home. As a Level IIIc NICU caring for the most fragile patients, the care team supports and understands the needs of families facing significant hospital stays. Additionally, quality initiatives to reduce length of stay have resulted in more infants going home sooner in 2014.

Newborn Catheterizations

Because we use less-invasive modalities for diagnosis as often as possible, 87 percent of neonates who have catheterization procedures are getting therapeutic catheterizations. The smallest patient to receive a heart catheterization at The Heart Center was a 200-gram premature infant.

Through the unique collaboration between surgery and interventional cardiology found at The Congenital Heart Collaborative, some cases are able to be resolved through therapeutic catheterization without the need for open heart surgery. This innovation and collaboration leads to improved outcomes for our youngest and most fragile patients.

Cardiothoracic Surgical Survival Rates by Complexity of Procedure (STAT Category 1 – 5: Level 5, most complex)

<table>
<thead>
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<th>Year</th>
<th>STAT Level 1</th>
<th>STAT Level 2</th>
<th>STAT Level 3</th>
<th>STAT Level 4</th>
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<td>1</td>
<td>1</td>
<td>5</td>
<td>2</td>
<td>8</td>
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</tbody>
</table>

The Heart Center at Nationwide Children’s is designated a high-volume center, with outcomes rankings among the best in the nation. According to the Society of Thoracic Surgeons (STS), The Heart Center’s mortality rate for the most complex surgery level is 1.3 percent – compared to the all-participants average of 16 percent.