





Live telepresence for remote pediatric cardiology collaboration.


Helping the provider community improve pediatric cardiology care.


With Catalyst LIVE, pediatric cardiologists can remotely observe and participate in medical procedures. Real-time video and audio feeds deliver unprecedented access during invasive and non-invasive cardiology procedures and more.


Benefits of Catalyst LIVE for Pediatric Cardiologists


 **Increased Supervision**
Allow pediatric cardiologists to remotely supervise sonographers while performing scans or support pediatric cardiology fellows through the steep learning curve associated with complex congenital heart disease.


 **Reduced Medical Errors**
Deliver intra-procedural live imaging of pediatric anatomy and pathology to the cardiology team to assist guidance, increase confidence, and reducing complications.


 **Enable Virtual MDT Meetings**
Enable remote multi-disciplinary team meetings for discussion of highly complicated pediatric cardiac cases, including surgeons, pediatric cardiologists, and other clinical specialties.

 **Improve Cath & Echo Workflow**
Facilitate real-time access to the entire care team for pediatric surgeons, interventional cardiologists, and sonographers, who may require consultation during pediatric procedures.

 **Streamline Surgical Procedures**
Provide pediatric surgeons with real-time, remote access to pediatric cardiologists to confirm that procedural outcomes are consistent with imaging, heart structure, and diagnosis.

 **Improving access to off-site hospitals**
Supports organizations that don't have a pediatric cardiologist. Sonographers with limited pediatric experience can conduct an echo with the support and direct supervision of a pediatric cardiologist in real-time.

 **Accelerate Decision Making**
Enable remote image access to pediatric cardiologists to facilitate faster, more collaborative decision making.

 **Optimizing Imaging Workflow**
Improves image quality and avoids repeat imaging and patient discomfort by enabling real-time guidance between pediatric cardiologists and technologists during complex imaging procedures.

Preceptorship

Facilitate virtual instruction, training, and supervision of pediatric cardiology fellows with a contemporary application that can help in attracting talent for clinical workforce planning.

Virtual Proctoring

Conduct live, remote technical evaluation of physicians, fellows, staff, and procedures to support continuous improvement and increase productivity while reducing travel and scheduling challenges.

Education

Foster and support a fully interactive, virtual classroom and invite clinicians to observe and learn new procedures or share practices in complex cases.

Multi-Institutional Research

Provide the framework for collaborative research by allowing multiple institutions to share training experiences and discuss complex pediatric cases for quality improvement.

Live Case Demonstrations

Invite specialists to view and participate in invasive congenital heart procedures through Catalyst LIVE to collaborate and field a Q&A session in real-time.

Transfer of Pediatric Cardiac Patients

Conduct care-focused handoffs using virtual audio-video consultations within and between institutions to reduce the total transfer time, decrease costs, and improve patient care.

Ultrasound (mobile and stationary)

Allow supervisors and physicians to support sonographers during procedures and provide real-time feedback to sonographers in training.

Cardiac CT & MRI

Improve efficiency and increase throughput by enabling pediatric cardiologists to conduct virtual cardiac CT and MRI protocoling to support technologists planning image acquisitions using scout images from any location.