

# Electronic Data Abstraction Improves Efficiency and Registry Submission Accuracy



## THE CHALLENGE

Participation in the Society of Thoracic Surgeons (STS) Adult Cardiac Surgery Database (ACSD) National Database is a key component of Johns Hopkins Medicine's cardiothoracic surgery quality performance program. While valuable, participation in the program required the organization to invest costly resources to accurately abstract, validate, and submit quality data. The organization wanted to pursue options that would allow it to improve efficiencies while maintaining high-quality performance.

## THE PROJECT

The solution for Johns Hopkins Medicine was to leverage ARMUS by Health Catalyst to reduce its registry data entry burden and simplify registry data management. The organization uses the ARMUS Clinical Registry cloud-based application to streamline data collection, validation, and submission. Data are automatically extracted from the EHR, validated, and mapped for submission to the STS ACSD registry. Data managers can review and confirm imported data and can use the data to identify improvement and EHR documentation and standardization opportunities.

## THE RESULT

Leveraging ARMUS by Health Catalyst, Johns Hopkins Medicine improved efficiency while improving data quality, reducing data cleaning, and lowering missing data rates. Rather than spending limited resources on data abstraction, the organization can use its resources to measure, analyze, and continually improve performance.



*ARMUS reduced our data abstraction burden. It helped us improve registry data accuracy and entry efficiency.*

Diane Alejo, Director, Information Technology, Johns Hopkins University School of Medicine



**69 ACSD registry fields** automatically imported.



**12-15 minutes** in abstraction time saved per record.



**10-25 percent reduction** in abstraction time.

## PRODUCTS

- ARMUS by Health Catalyst