Data dictionaries can be found [here](https://www.sts.org/registries-research-center/sts-national-database/general-thoracic-surgery-database/data-collection) [external link].

**Type of Data**

Multiple quality improvement databases

**Years Available**

STS National Database Established in 1989

* STS Adult Cardiac Surgery Database (ACSD) established in 1989
* STS General Thoracic Surgery Database (GTSD) established in 2003
* STS Congenital Heart Surgery Database (CHSD)
* STS Intermacs Database established in 2005

**Short Description**

The STS National Database is a quality improvement and patient safety database established by cardiothoracic surgeons. It has four components focusing on a different area of cardiothoracic surgery.

**Strengths**

* Institutional portion of data can be obtained and supplemented for clinical research or cost analyses without submitting a request to the STS
* Includes detailed cancer staging, surgical approach, procedure, and outcomes
* Includes last follow-up date and mortality status at last follow up
* Large number of participating reporting institutions
* Proposals and Statistical Analysis Plans can be submitted for the STS to perform the analysis if study requires use of identifying data

**Limitations**

* National data set requires a protocol approved by the STS
* Limited to one approved study per “purchase” of national data set
* Does not include financial data
* Only includes surgery patients

**SDC Members with Expertise**

* [Mahmoud Abdel-Rasoul](mailto:Mahmoud.Abdel-Rasoul@osumc.edu) [(12 publications)](https://pubmed.ncbi.nlm.nih.gov/?term=%28Mahmoud+Abdel-Rasoul%5BAuthor%5D%29+AND+%28Society+of+Thoracic+Surgery%5BTitle%2FAbstract%5D+OR+STS%5BTitle%2FAbstract%5D+OR+Thoracic+Surgeons%5BTitle%2FAbstract%5D%29&sort=) [external link].