

Vascular Quality Initiative®

vascularqualityinitiative.org

VQI®

The Vascular Quality Initiative is a distributed network of regional quality improvement groups that use a Patient Safety Organization and the M2S cloud-based system to collect and analyze data to improve the quality of vascular health care.

REGIONAL QUALITY GROUPS

Through regional quality group meetings, VQI participants share data to develop quality improvement projects designed to standardize processes, improve outcomes, and reduce complications and costs.

SVS PSO

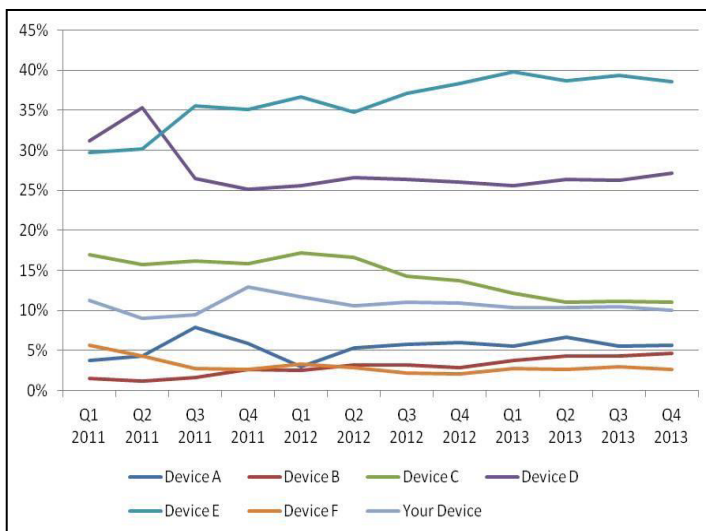
The Society for Vascular Surgery Patient Safety Organization houses the data registry used by VQI and collaborates with the FDA and medical device companies to evaluate the safety and effectiveness of vascular devices.

M2S, INC.

M2S is the technology partner for the SVS PSO, providing the M2S PATHWAYS cloud-based platform for the collection and analysis of clinical quality improvement data.

Endovascular AAA–Data Sharing

**%EVAR Device Usage by VQI Members
2011–2013**



- **Access to over 18,306 Endovascular AAA procedures reported in VQI**
- **Data from multiple sized centers across the U.S. to understand your device performance in the real world**
- **Comparison of your device outcomes anonymously with others in the market**
- **Detailed clinical data, e.g. graft sizes and iliac limb sizes**

OVERVIEW

Because of its collection of real world data involving implantable devices for vascular treatment, the **VQI** is uniquely positioned to provide valuable information to your vascular device R&D, marketing and project teams.

Data Sharing through the VQI offers you an opportunity to **understand device performance** in specific patient groups based on key demographics, procedure outcomes and follow up. Outcome data can be risk-adjusted by the SVS PSO when needed.

Pricing is based on volume of data shared. All data are de-identified for patient, hospital and provider.

ENDOASCULAR AAA DATA SHARING

The Endovascular AAA Data Sharing program can help you to:

- Understand anatomical characteristics
- Analyze demographics of treated patients
- Understand detailed one-year outcomes and late survival
- Capture data by specific named device
- Substantiate device performance assumptions

Choose from a **variety of data formats** and graphical representations.

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Sample Device Metrics

PROCEDURE DATA

- Carotid Artery Stent
- Carotid Endarterectomy
- ✓ Endovascular AAA Repair
- Open AAA Repair
- Hemodialysis Access
- Inferior Vena Cava Filter
- Infra-Inguinal Bypass
- Supra-Inguinal Bypass
- Lower Extremity Amputation
- Peripheral Vascular Intervention
- Thoracic and Complex EVAR
- Varicose Vein

CONTACT

For more information on our Data Sharing portfolio, please contact Meridith Mitchell at 603.738.0066 or email mitchell@m2s.com

Variable Name	Device 1	All Devices
Age (mean)	73.2	73.5
Male	80%	81%
Maximum AP AAA Diameter	56.3 mm	56.8 mm
Urgency-Ruptured	5%	5%
Average Graft Body Diameter	26.5 mm	27.9 mm
Average Limb Diameter	15.1 mm	16.1 mm
Average Total Procedure Time	137.9min	144.9min
Average Iodinated Contrast	107.9 ml	109 ml
Average Length of Stay (Discharge - Admission)	3.7 days	4.0 days
Average Length of Stay (Discharge - Surgery)	2.8 days	3.0 days
Procedure Complications	19%	26%
Myocardial Infarction	2%	2%
Respiratory	3%	3%
Bowel Ischemia	1%	1%
Return to OR	3%	3%
Stroke	0%	0%
Dysrhythmia	3%	4%
Change in Renal Function	4%	5%
Wound Complication	1%	1%
Congestive Heart Failure	2%	1%
Leg Ischemia	1%	1%
Operative Mortality	1%	2%
Reinterventions during Follow-up	1%	2%
Current Endoleak	10%	7%
Type I Endoleak (Attachment site)	1%	0%
Type II Endoleak (Branch)	8%	6%
Type III Endoleak (Mid-graft)	0%	0%
Indeterminate	1%	1%

Key variables provide detailed feedback on your device's use and performance across different patient populations in terms of:

- ✓ Pathology
- ✓ Anatomy
- ✓ Treatment
- ✓ Outcomes
- ✓ Follow up

KEY DATA FOR ANALYSIS

- ✓ % market share over time
- ✓ % implanted over time
- ✓ Device performance
- ✓ Patient demographics
- ✓ Method of treatment
- ✓ Device usage
- ✓ Type of anatomy
- ✓ Detailed outcome
- ✓ One year follow up

SERVICES AVAILABLE

- Data Sharing
- Custom Reports
- Custom variables
- Data for Post-Approval Study
- Data for Pre-Market Study