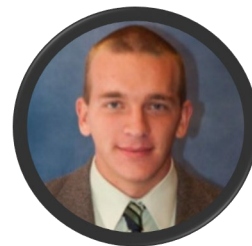




VQI Interactive Dashboards

Society for Vascular Surgery - Patient Safety Organization



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VQI Interactive Dashboards

AGENDA

Current VQI Dashboards

New VQI Interactive Dashboards – Enhancements & Benefits

New Features - Utilization

Demo – Opportunities to enhance operational efficiency

Current VQI Dashboards

Summarizes Results

Regional and VQI Benchmarks

Tailored for each Registry

VQI Best Practices Dashboard

- TFEM CAS ASYMP
- TFEM CAS SYMP
- TCAR ASYMP
- TCAR SYMP
- CEA ASYMP
- CEA SYMP
- EVAR
- TEVAR
- FEVAR/FBEVAR/cheVAR
- OAAA
- PVI CLAUD
- PVI CLTI
- INFRA CLAUD
- INFRA CLTI
- SUPRA CLAUD
- SUPRA CLTI
- LEAMP
- HDA
- IVCF
- VV
- VQI Case Appendix

VQI Best Practices Dashboard

Spring 2022

This report is patient safety work product generated within the SVS PSO, LLC, and is considered privileged and confidential.

About the Report

The VQI Best Practices Dashboard summarizes your center's results for a variety of procedures and outcomes, and provides both regional and VQI-wide benchmarks for comparison. The "Your Center" column gives the percentage of your center's cases with the noted outcome. The "Your Region" and "VQI Overall" columns give the overall, aggregate percentage of cases with the noted outcome for centers in your region and across all of the VQI, respectively. The 10th, 25th, 50th (median), 75th, and 90th percentiles for all centers across the VQI are additionally provided as benchmarks ([10th|25th|50th|75th|90th]).

Your center's results are highlighted blue if your center is in the "top" 25th percentile, and coral if your center is in the "bottom" 25th percentile. For process measures, a center is in the "top" 25th percentile if its rate is greater than or equal to the given 75th percentile. Similarly, a center is in the "bottom" 25th percentile if its rate is less than or equal to the given 25th percentile. For complications/adverse events, a center is in the "top" 25th percentile if its rate is less than or equal to the given 25th percentile. Similarly, a center is in the "bottom" 25th percentile if its rate is greater than or equal to the given 75th percentile.

Percentiles are based on the rates of all individual centers in the VQI. For outcomes where smaller rates are optimal (e.g., complications), it is possible for a center's rate to be below the overall VQI rate and still be above the 75th percentile. For example, suppose only 10 centers were in the VQI and that each center had 10 cases with complication rates of 0%, 0%, 0%, 0%, 0%, 0%, 0%, 0%, 10%, and 100%. The overall VQI rate would be $11/100 = 11\%$, and the 75th percentile would be 0%. Thus, the center with the 10% rate would be below the overall VQI rate, but still be above the 75th percentile. Similarly, for outcomes where larger rates are optimal (e.g., discharge medications, graft patency, etc.), it is possible for a center's rate to be above the overall VQI rate and still be below the 25th percentile.

To quickly access a specific dashboard report, click on the dashboard report name in the table of contents on the left. For data feedback and drill-down on your center's reviewed or excluded cases in each dashboard report, click on "VQI Case Appendix".

Current VQI Dashboards

Static Dashboards

Distributed Quarterly

Cumbersome navigation

VQI Best Practices Dashboard

TFEM CAS ASYMP

TFEM CAS SYMP

TCAR ASYMP

TCAR SYMP

CEA ASYMP

CEA SYMP

EVAR

TEVAR

FEVAR/FBEVAR/chEVAR

OAAA

PVI CLAUD

PVI CLTI

INFRA CLAUD

INFRA CLTI

SUPRA CLAUD

SUPRA CLTI

LEAMP

HDA

IVCF

VV

VQI Case Appendix

TFEM CAS ASYMP

Procedure Timeframe: January 1, 2021 - December 31, 2021

Includes Transfemoral Carotid Artery Stenting (TFEM CAS) procedures performed on asymptomatic patients. Asymptomatic patients are patients with no ipsilateral or contralateral retinal or cortical TIA or stroke within 180 days prior to surgery. Includes procedures utilizing a femoral, brachial, or radial approach. Excludes any patient with prior vertebralbasilar TIA or stroke, prior ipsilateral CAS, CAS for intracranial treatment, or any procedure involving dissection, trauma, FMD, or "Other" lesion types. Procedures with an approach other than femoral, brachial, or radial are also excluded.

Legend: Blue = "Top" 25th percentile Coral = "Bottom" 25th percentile

Category	Outcome/Complication	Your Center	Your Region	VQI Overall
Case Data				
	Number of Cases Reviewed	23	276	2373
	Median Postop LOS (days)	2	1	1 [1 1 1 2]
	Median Total LOS (days)	5	1	1 [1 1 1.5 2.9]
Neurologic Events (at discharge)				
	Ipsilateral TIA	0%	0%	0.3% [0 0 0 0]
	Ipsilateral Stroke	0%	0.7%	0.8% [0 0 0 0]
	Contralateral TIA	0%	0%	0.1% [0 0 0 0]
	Contralateral Stroke	0%	0%	0.3% [0 0 0 0]
	Vertebrobasilar TIA	0%	0%	0% [0 0 0 0]
	Vertebrobasilar Stroke	0%	0%	0.1% [0 0 0 0]
Other Events (at discharge)				
	IV meds for hyper-/hypotension	65.2%	28.3%	26.2% [0 0 14.3 40.8 69.7]
	MI (troponin only or EKG)	0%	0.4%	0.2% [0 0 0 0]
	CHF	4.3%	0.4%	0.2% [0 0 0 0]
	Dysrhythmia	0%	1.8%	1.2% [0 0 0 0]
	Access Site Complication	0%	2.9%	2.7% [0 0 0 10]
	Hematoma/Bleeding	0%	2.2%	2.2% [0 0 0 7.6]
	Stenosis/Occlusion	4.3%	0.7%	0.3% [0 0 0 0]
	Pseudoaneurysm	0%	0.7%	0.5% [0 0 0 0]
Discharge Medications				
	Antiplatelet+Statin	86.4%	91.4%	92.8% [75 92.3 100 100 100]
Discharge Destination				
	Home	78.3%	94.6%	95.3% [83.3 100 100 100 100]
	Rehab Unit	17.4%	2.9%	2.6% [0 0 0 8.3]
	Nursing Home	0%	0.7%	1.1% [0 0 0 0]
	Other Hospital	0%	0%	0.2% [0 0 0 0]
	Homeless	0%	0%	0% [0 0 0 0]
	Dead	4.3%	1.8%	0.8% [0 0 0 0]

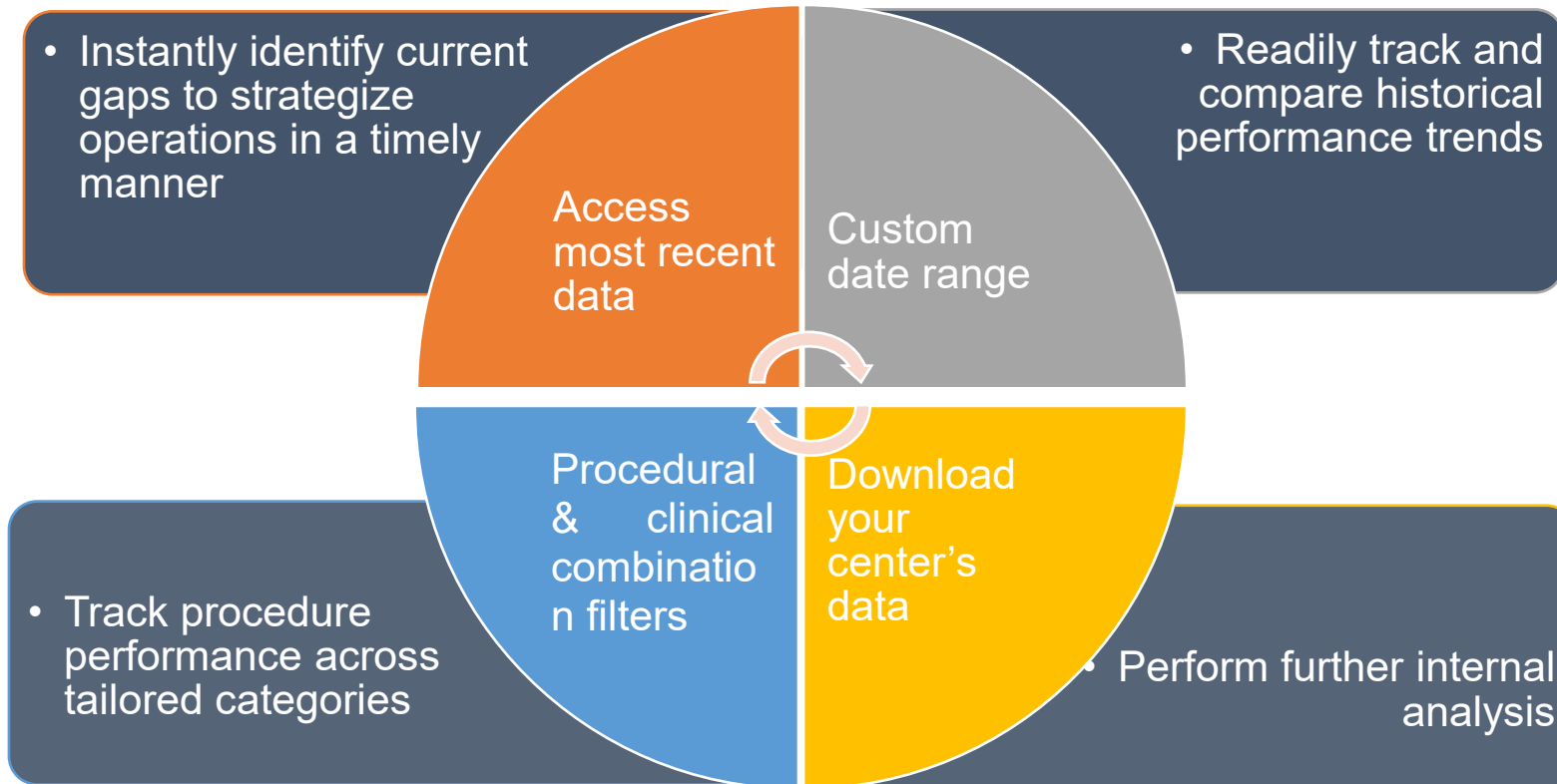
VQI Interactive Dashboards

AGENDA

- Current VQI Dashboards
- New VQI Interactive Dashboards – Enhancements & Benefits**
- New Features - Utilization
- Demo – Opportunities to enhance operational efficiency

New VQI Interactive Dashboards

FEATURES & BENEFITS



HIGHLIGHTS

- Launched – April 4th 2024
- Available on Pathways Platform
- Initial launch CAS registry
- Potential next registries –
 - CEA
 - PVI
 - INFRA/SUPRA

VQI Interactive Dashboards

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New Features – Custom Date Range

- Select a custom date range to view your center's data
- Enter dates either in the dropdown box or select them from the calendar.
- Readily track and compare historical performance trends

CAS Interactive Dashboard

CAS Procedure Type: is TFEM | CAS Indication: is Asymptomatic | Procedure Date: 2006/07/01 - 2023/06/30

2006/07/01 - 2023/06/30

Case Data		Your Region	VQI Overall
1	Number of Cases Reviewed	21	NA (<3 Centers) 40
2	Median Postop LOS (Days)	1.0	NA (<3 Centers) 0.0 [0.0 0.0 1.0 1.0]
3	Median Total LOS (Days)	1.0	NA (<3 Centers) 0.0 [0.0 0.0 1.0 1.0]

Neurological Events (at discharge)		Your Region	VQI Overall
1	Ipsilateral TIA	4.8% (1/21)	NA (<3 Centers) 2.5%
2	Ipsilateral Stroke	4.8% (1/21)	NA (<3 Centers) 2.5%
3	Contralateral TIA	47.6% (10/21)	NA (<3 Centers) 25.0%
4	Contralateral Stroke	47.6% (10/21)	NA (<3 Centers) 25.0%
5	Vertebrobasilar TIA	4.8% (1/21)	NA (<3 Centers) 2.5%
6	Vertebrobasilar Stroke	0.0% (0/21)	NA (<3 Centers) 0.0%

Powered by Looker

New Features – Filter Combinations

- Choose different procedural and clinical filter combinations
- Select Procedure Type and CAS Indication via a dropdown menu
- Track procedure performance across tailored categories

CAS Interactive Dashboard

CAS Procedure Type: is TFEM | CAS Indication: is Asymptomatic | Procedure Date: 2006/07/01 – 2023/06/30

Symptomatic
 Asymptomatic
 Neither

Case Data	Your Center	Your Region	VQI Overall
1 Number of Cases	21	NA (<3 Centers)	40
2 Median Postop LOS (Days)	1.0	NA (<3 Centers)	0.0 [0.0 0.0 1.0 1.0]
3 Median Total LOS (Days)	1.0	NA (<3 Centers)	0.0 [0.0 0.0 1.0 1.0]

Neurological Events (at discharge)	Your Center	Your Region	VQI Overall
1 Ipsilateral TIA	4.8% (1/21)	NA (<3 Centers)	2.5%
2 Ipsilateral Stroke	4.8% (1/21)	NA (<3 Centers)	2.5%
3 Contralateral TIA	47.6% (10/21)	NA (<3 Centers)	25.0%
4 Contralateral Stroke	47.6% (10/21)	NA (<3 Centers)	25.0%
5 Vertebrobasilar TIA	4.8% (1/21)	NA (<3 Centers)	2.5%
6 Vertebrobasilar Stroke	0.0% (0/21)	NA (<3 Centers)	0.0%

Other Events (at discharge)

Powered by Looker

New Features – Drilldown Tables

- View PRIMPROCIDs associated with a particular event
- Click on the event of interest to open the drilldown table
- Provides the ability to quickly identify which procedures correspond to a particular event.

Neurological Events (at discharge)

[Download](#) ×

CAS REPORTING DATA (6 Filters) ▾

	PRIMPROCID
1	2559461
2	2561047
3	2561067
4	2561079
5	2561119
6	2561235
7	2561252
8	2561256
9	2561371
10	2658729

New Features – Download Data

- Download the list of PRIMPROCIDs associated with a particular event
- Click the download button in the upper righthand corner
- Ability to perform further internal analysis

The screenshot displays a web interface for downloading data. On the left, a table titled "Neurological Events (at discharge)" shows a list of PRIMPROCIDs. On the right, a modal window titled "Download Neurological Events (at discharge)" is open, allowing the user to select a format (CSV) and click a "Download" button.

	PRIMPROCID
1	2559461
2	2561047
3	2561067
4	2561079
5	2561119
6	2561235
7	2561252
8	2561256
9	2561371
10	2658729

Neurological Events (at discharge)

CAS REPORTING DATA (6 Filters) ▾

Format

CSV ▾

Advanced data options

Open in Browser Cancel Download

Download

VQI Interactive Dashboards

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New Features – Utilization

Demo