

Michigan Vascular Study Group **MVSG**

Wednesday, May 17, 2023

11:30 AM - 5:00 PM Eastern

Boyne Mountain Resort - Boyne Falls, MI

In-person













Meeting Attendance Credit



Before we get started...

Please sign in using your <u>Full Name</u> (First and Last).

In-Person Attendees – Scan the QR code shown and sign in

Remote Attendees – See below instructions (#1-#3)

- 1. Click "Participants" in the box at the top or bottom of your screen.
- 2. If your full name is not listed, hover next to your name and you'll see "rename".
- 3. Click and sign in.



Please note: If you can't sign in, please email Leka Johnson at <u>ljohnson@svspso.org</u> and let her know the identifier you were signed in under (ex –LM7832 or your phone number).

**SPECIAL NOTE: ALL ATTENDEES must have an ACTIVE PATHWAYS user account to get attendance credit!!!













Welcome and Introductions



Ascension Borgess Hospital

Ascension Genesys Hospital

Ascension Providence Hospital, Novi Campus

Ascension Providence Hospital, Southfield Campus

Ascension St. John Hospital

Ascension St. Mary's Hospital

Bronson Battlecreek Hospital

Bronson Methodist Hospital

Corewell Health Dearborn Hospital

Corewell Health William Beaumont University Hospital

Covenant Healthcare

Henry Ford Allegiance Health

Henry Ford Hospital, Detroit MI

Henry Ford Hospital, West Bloomfield MI

Henry Ford Macomb Hospital

McLaren Bay Region

McLaren Flint

McLaren Greater Lansing

McLaren Macomb

McLaren Northern Michigan

McLaren Port Huron

Mercy Health Saint Mary's

Michigan Vascular Center

Munson Medical Center

MyMichigan Health - Midland

Oaklawn Hospital

Providence Hospital - Rochester

Sparrow Hospital

Spectrum Health Hospital

St. John Macomb Oakland

St. Joseph Mercy Health System

St. Mary Mercy Livonia

University of Michigan

Vascular Institute of Michigan













Region Volume Appendix



Report	Included Cases	Centers with Included Cases	Centers with at least 10 Included Cases	Complete Cases	Centers with Complete Cases	Centers with at least 10 Complete Cases
Procedure Volume	6447	30	28			
Procedure Volume, All Years	50982	34	33			
Long-Term Follow-up	3573	22	20			
Discharge Medications	3745	29	27			
Preop Smoking	3361	28	27			
Smoking Cessation	764	20	14			
TFEM CAS ASYMP: Stroke/Death	140	16	3	120	16	3
TFEM CAS SYMP: Stroke/Death	130	18	4	110	18	3
TCAR ASYMP: Stroke/Death	227	21	7	207	21	7
TCAR SYMP: Stroke/Death	110	17	5	102	17	5
CEA ASYMP: Stroke/Death	205	13	5	188	13	5
CEA ASYMP: Postop LOS>1 Day	205	13	5	188	13	5
CEA SYMP: Stroke/Death	139	11	2	135	11	2
CEA SYMP: Postop LOS>1 Day	139	11	2	135	11	2
EVAR: Postop LOS>2 Days	138	4	4	127	4	4
EVAR: Sac Diameter Reporting	106	4	3			
EVAR: SVS AAA Diameter Guideline	118	4	4			
TEVAR: Sac Diameter Reporting	7	3	0			
OAAA: In-Hospital Mortality	316	5	5	296	5	4
OAAA: SVS Cell-Saver Guideline	287	5	5			
OAAA: SVS Iliac Inflow Guideline	336	5	5			
PVI CLAUD: ABI/Toe Pressure	881	19	16			
INFRA CLTI: Major Complications	107	5	4			
SUPRA CLTI: Major Complications	23	3	1			
LEAMP: Postop Complications	13	1	1			
HDA: Primary AVF vs. Graft	264	2	1			
HDA: Ultrasound Vein Mapping	318	2	2			
HDA: Postop Complications	318	2	2			
IVCF: Filter Retrieval Reporting	36	1	1			

Spring 2023 SVS VQI Regional Report Slides



The VQI Regional Quality Report is produced semiannually to provide centers and regions targeted, comparative results and benchmarks for a variety of procedures, process measures and postoperative outcomes.

The following updates have been implemented to enhance and improve the Spring 2023 VQI Regional Quality Report:

- **Preop Smoking Report Added** A preop smoking report is now provided. This report displays center-level, regional, and VQI overall rates of current smoking at time of procedure.
- **Smoking Cessation Report Added** A smoking cessation report is now provided. This report displays center-level, regional, and VQI overall rates of smoking cessation at follow up.

Spring 2023 SVS VQI Regional Quality Report Slides

RLDM Updates



Joseph Jacot, PAC, MBA

MVSG Regional Lead Data Manager

joseph jacot@michiganvascular.com

Cell: 810-516-7107

Regional Improvement Projects



Current Quality Improvement Charters

Strokes in CAS Population

McLaren Bay Region

Lead: Terri Militello

Physician Champion: Dr. Nicolas Mouawad



National VQI Update

Caroline Morgan, RN **PSO Director of Clinical Operations**







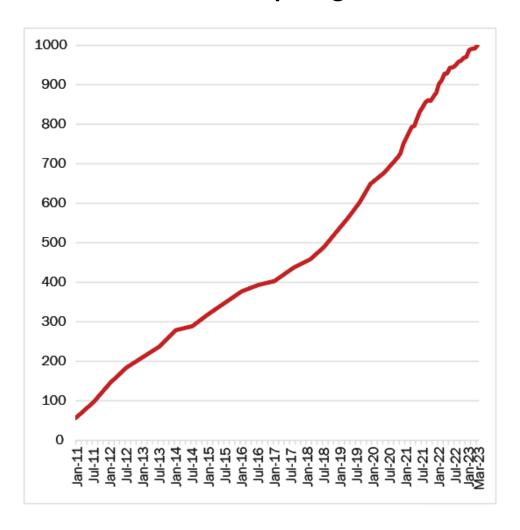








Number of Participating Centers



Location of VQI Participating Centers











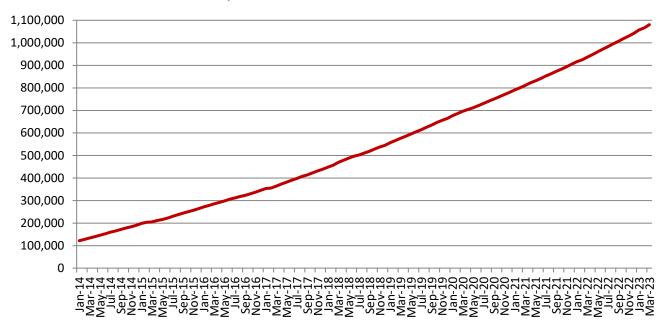






TOTAL PROCEDURES CAPTURED (as of 4/1/2023)	1,080,461		
Peripheral Vascular Intervention	373,148		
Carotid Endarterectomy	192,093		
Infra-Inguinal Bypass	81,019		
Endovascular AAA Repair	80,103		
Hemodialysis Access	76,335		
Carotid Artery Stent	96,355		
Varicose Vein	61,164		
Supra-Inguinal Bypass	25,887		
Thoracic and Complex EVAR	28,692		
Lower Extremity Amputations	28,322		
IVC Filter	18,290		
Open AAA Repair	17,727		
Vascular Medicine Consult	1,162		
Venous Stent	164		

VQI Total Procedure Volume



Total Procedure Volume reflects net procedures added to the registry for the month























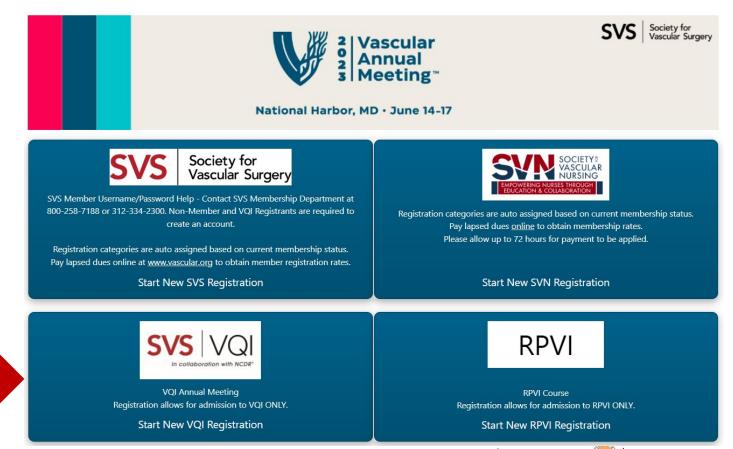




VQI@VAM Registration Link



https://www.compusystems.com/servlet/ar?evt_uid=805









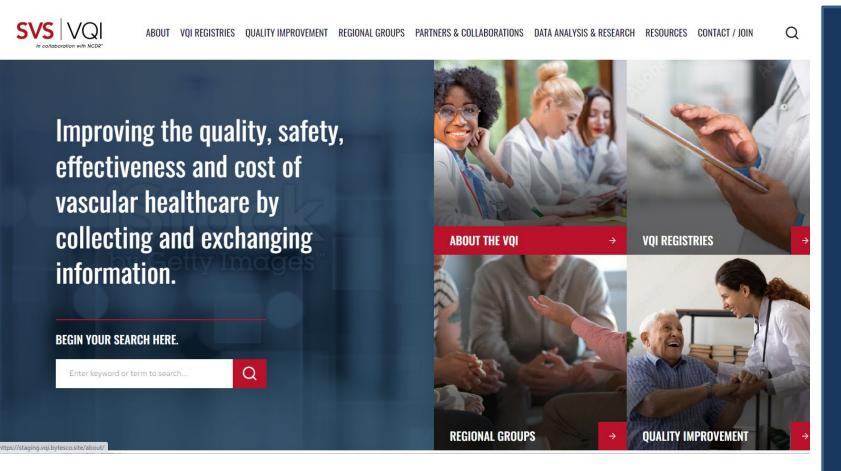






A Brand New VQI.org!





- The addition of 14 registry specific pages
- More robust search capabilities, so customers can easily get the information they need
- Clean presentation of content
- Consistent menu options for each of the 18 Regional Group Pages.
- Streamlined Members Only area













Welcome

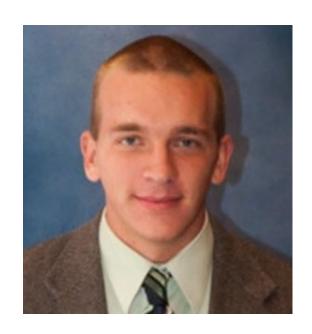


Jeff Yoder – Statistician

- Start Date December 2022
- M.S. degree in Statistical Science from Indiana University
- Teaching Assistant at Indiana University



Working with the PSO Analytics team on a variety of projects and initiatives.













National Updates



Infra/Supra Inguinal Bypass Revisions Live late March 30, 2023

New National Quality Initiative Smoking Cessation to be announced at VQI@VAM

- Data Integrity Audit Program
- Risk Calculator
- Follow-up reports:
 - IVC Filter and Varicose Vein
- Coming soon:
 - Harmonization of CAD variables
 - Harmonization of Anticoagulation
 - Open AAA Registry Revision















Data Integrity Audits



- Data Integrity Audits have begun Spring 2023.
- The Carotid Artery Stent Registry first to go live.
- Additional registries will be added on a regular basis.
- Data results will not be punitive; will be utilized to update training and help texts.
- Audits are being performed by a third-party vendor Telligen.
- Audited records will be blindly abstracted by Telligen; then compared to the completed case in Pathways for matches.
- More information to come soon.
- All inquiries should be sent to Melissa Latus. mlatus@svspso.org













SVS Verification Program



- In partnership with the American College of Surgeons
- Inpatient launch late March, Outpatient launch June
- Standards derived by SVS members; program is used to measure compliance w/standards
- Six National Quality Strategies to align organizational functions to drive improvement based on the aims & priorities of the Agency for Healthcare Research and Quality (AHRQ):
 - Measurement & feedback w/ required registry participation
 - Certification, accreditation, & regulation w/required facility regulation
 - Consumer incentives & benefit designs with thorough discussion of treatment options and consent
 - Health information technology, working with outside software for continuation of care
 - Innovation & diffusion with research
 - Work force development w/ the capability of resident training













Inpatient Vascular Verification Program



Program Standards Manual for Inpatient Program

- Institutional commitment
- Program scope and governance
- Resources for facilities, equipment, services, and personnel
- Clinical care
- Data abstraction and analysis
- Quality improvement
- Education and research
- https://www.facs.org/quality-programs/accreditation-andverification/vascular-verification/standards/

For more information contact:

vascular@facs.org













New Educational Videos



- TASC/GLASS
 - Dr. Elizabeth Genovese, M.D.
- Varicose Vein
 - Dr. Jennifer Ellis, M.D.

Visit VQI.org for a full listing of all **Educational video offerings**

https://www.vqi.org/registryeducation-members-only/

REGISTRY EDUCATION WEBINARS

- VQI Educational Session Vascular Medicine Consult (VMC)
- VQI Educational Session Infra/Supra
- VQI Educational Session PVI
- VQI Educational Session EVAR
- VQI Educational Session TEVAR/COMPLEX EVAR
- VQI Educational Session CAS and CEA
- VQI Educational Session Open AAA
- SVS VQI Infra/Supra Registry Revisions Webinar
- SVS VQI Educational Webinar TASC/GLASS
- SVS VQI Education Webinar TASC/GLASS Slides

















Venous Stent Registry and Vascular Medicine Consult Registry **Free Trial**

For a limited time, SVS VQI is offering a complimentary one-year trial subscription to the VSR and VMC for an easily accessible first-hand experience of its value and ROI.

https://mailchi.mp/5119b784e8d0/no-time-like-the-present

To learn more about the Venous Stent Registry offer click here: Venous Stent

To learn more about the Vascular Medicine Consult Registry offer click here: Vascular Medicine

Or email vqi@fivoshealth.com to contact an account executive.













2023 Top 10 VQI Publications



- A Vascular Quality Initiative frailty assessment predicts post discharge mortality in patients undergoing arterial reconstruction Kraiss LW, Al-Dulaimi R, Allen CM, Mell MW, Arya S, Presson AP, Brooke BS. https://pubmed.ncbi.nlm.nih.gov/35709866/
- **Ankle-brachial index use in peripheral vascular interventions for claudication** Hawkins KE, Valentine RJ, Duke JM, Wang Q, Reed AB. https://pubmed.ncbi.nlm.nih.gov/35276260/
- Assessing the quality of reporting of studies using Vascular Quality Initiative (VQI) data Mirzaie AA, Delgado AM, DuPuis DT, Olowofela B, Berceli SA, Scali ST, Huber TS, Upchurch GR Jr, Shah SK. https://pubmed.ncbi.nlm.nih.gov/35760240/
- Incidence of Procedure-Related Complications in Patients Treated With Atherectomy in the Femoropopliteal and **Tibial Vessels in the Vascular Quality Initiative** Sanon O, Carnevale M, Indes J, Gao Q, Lipsitz E, Koleilat I. https://pubmed.ncbi.nlm.nih.gov/35466788/
- Survival, reintervention and surveillance reports: long-term, center-level evaluation and feedback of vascular interventions Fowler XP, Gladders B, Moore K, Mao J, Sedrakyan A, Goodney P. https://pubmed.ncbi.nlm.nih.gov/36248241/











2023 Top 10 VQI Publications



- Perioperative outcomes of carotid endarterectomy and transfemoral and transcervical carotid artery stenting in radiation-induced carotid lesions Batarseh P, Parides M, Carnevale M, Indes J, Lipsitz E, Koleilat I. https://pubmed.ncbi.nlm.nih.gov/34560219/
- Long-term implications of elective evar that is non-compliant with clinical practice guideline diameter thresholds de Guerre LEVM, Dansey KD, Patel PB, Marcaccio CL, Stone DH, Scali ST, Schermerhorn ML. https://pubmed.ncbi.nlm.nih.gov/34508797/
- Effect of postoperative antithrombotic therapy on lower extremity outcomes after Infrapopliteal bypass for chronic limb-threatening ischemia Marcaccio CL, Patel PB, Wang S, Rastogi V, Moreira CC, Siracuse JJ, Schermerhorn ML, Stangenberg L. https://pubmed.ncbi.nlm.nih.gov/35074410/
- The association between device instructions for use adherence and outcomes after elective endovascular aortic abdominal aneurysm repair De Guerre LEVM, O'Donnell TFX, Varkevisser RRB, Swerdlow NJ, Li C, Dansey K, van Herwaarden JA, Schermerhorn ML, Patel VI. https://pubmed.ncbi.nlm.nih.gov/35276256/
- Association of preoperative vein mapping with hemodialysis access characteristics and outcomes in the Vascular **Quality Initiative** Fedorova E, Zhang GQ, Shireman PK, Woo K, Hicks CW. https://pubmed.ncbi.nlm.nih.gov/34718099/













Participation Award Results





Henry Ford Hospital, Detroit MI Spectrum Health Hospital University of Michigan McLaren Bay Region Munson Medical Center



Michigan Vascular Center McLaren Flint **Ascension Borgess Hospital Bronson Battlecreek Hospital Bronson Methodist Hospital** Henry Ford Allegiance Health Covenant Healthcare McLaren Greater Lansing Ascension St. John Hospital MyMichigan Health - Midland St. Mary Mercy Livonia



Corewell Health William Beaumont **University Hospital** Henry Ford Hospital, West Bloomfield MI McLaren Macomb St. Joseph Mercy Health System

















Quality Improvement Update Spring 2023













Quality Improvement – Participation Awards



The following is a list of the four domains for the 2023 Participation Awards criteria:

- Domain 1 LTFU 40% weighted
- **Domain 2 Regional Meeting Attendance 30% weighted**
- Domain 3 QI Project 25% weighted



Domain 4 – Registry Subscriptions – 5% weighted



https://www.vqi.org/quality-improvement/participation-awards/





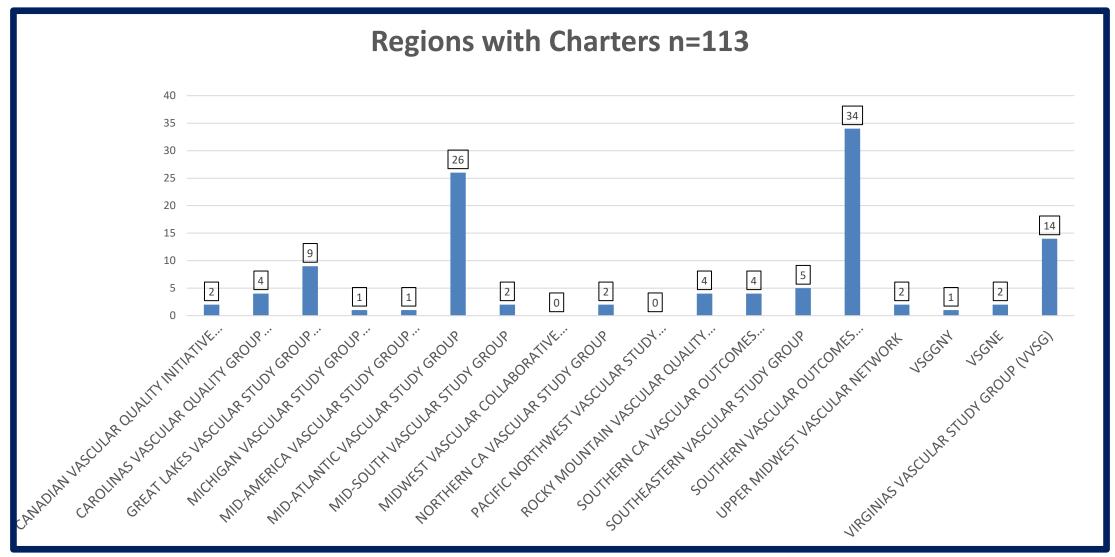






Quality Improvement - Charters











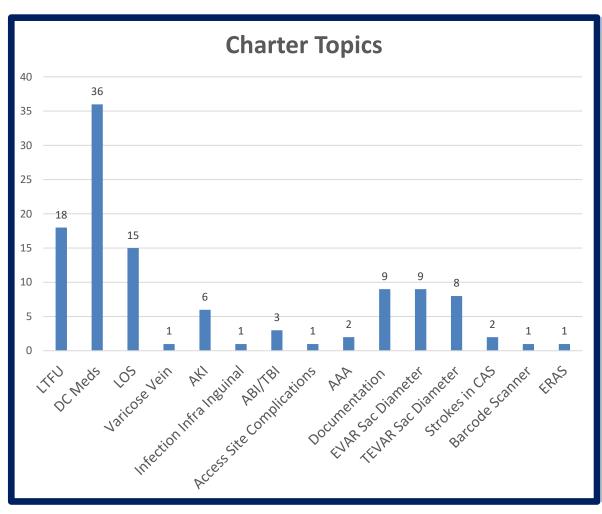


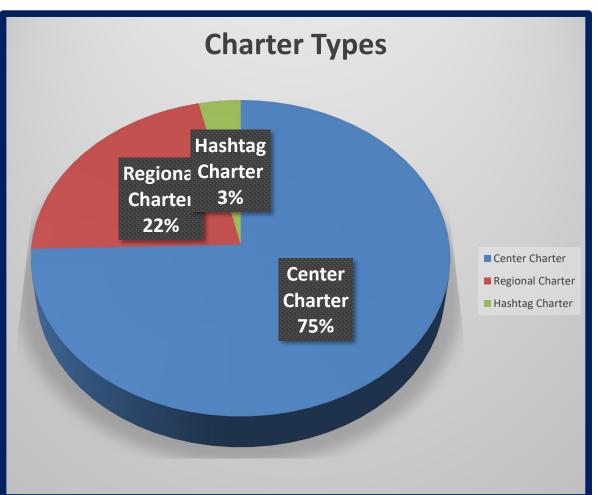




Quality Improvement – Charter Breakdown



















Quality Improvement



- Quarterly Webinars (Charter and QI)
 - www.vqi.org/quality-improvement-members-only/#upcoming-events
- Sample Charters
 - www.vqi.org/quality-improvement/quality-improvement-tools/#qicharters
- Toolkits (VQI@VAM, Data Manager, LTFU)
 - www.vqi.org/quality-improvement/quality-improvement-tools/#qitoolkits
- New improved VQI website
 - www.vqi.org
- 1:1 Calls
 - bwymer@svspso.org











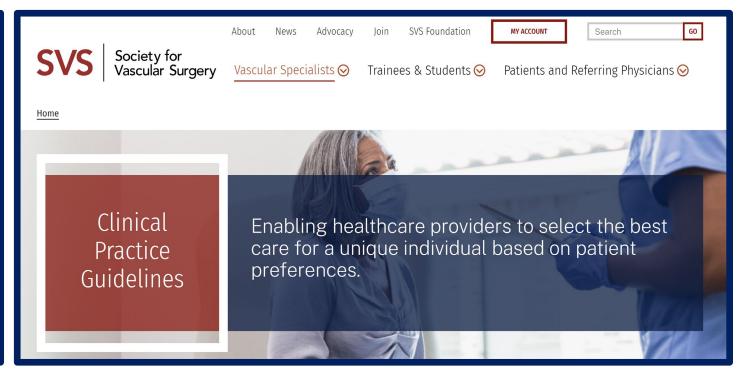






SVS Clinical Practice Guidelines

















SVS PSO Quality FIT Program



- Existing FIT Trainees Jack Cronenwett Scholarship Application
 - Applications accepted January 9 February 28
 - FIT Committee Review March April
 - Scholarship winners announced at VQI@VAM 2023
- FIT Trainee 2023 Applications
 - Applications accepted January 9 February 28
 - FIT Committee Review April May
 - FIT Trainees with FIT Mentors announced at VQI@VAM 2023
- FIT Mentors
 - Accepted at any time
 - Contact <u>bwymer@svspso.org</u>
- www.vqi.org/quality-improvement/quality-fellowship-intraining-fit-program/









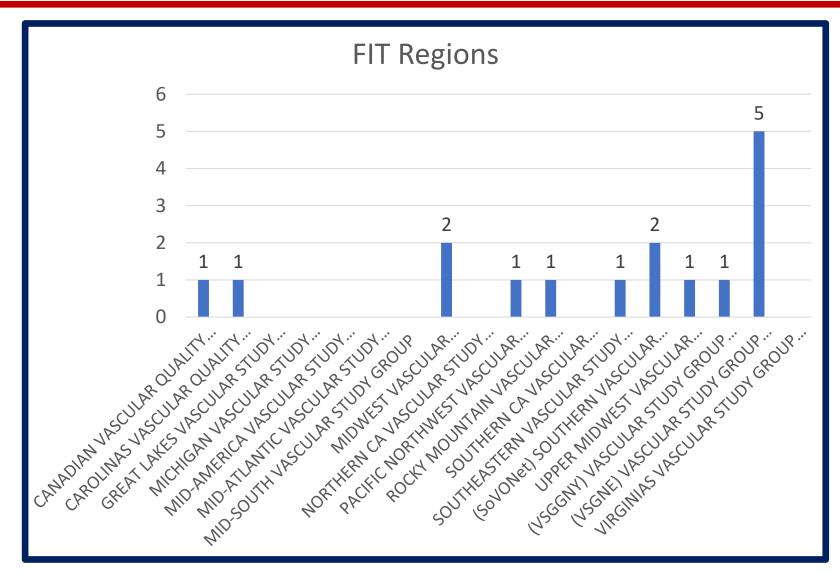






SVS PSO Quality FIT Program





















Arterial Quality Council:

Mitchell Weaver, MD













Arterial Quality Council Update



- Open AAA Major Revision
 - Will be renamed to accurately capture intent of the registry
 - Iliac to Left Subclavian
- Registry Committee updates
- Review Smoking Cessation and inclusion of vaping variables. Grp decided not at this time
- Introduction of the Data Integrity Program















Venous Quality Council:

Jennifer Watson, MD













Venous Quality Council Update



- Last Meeting February 22, 2023
- Re-engagement of the venous registry committees
 - Focus on new center recruitment
 - Review of current reporting
 - Brainstorming & discussion for addition of new reporting measures for bi-annual reports, Quarterly Dashboards and follow-up reports







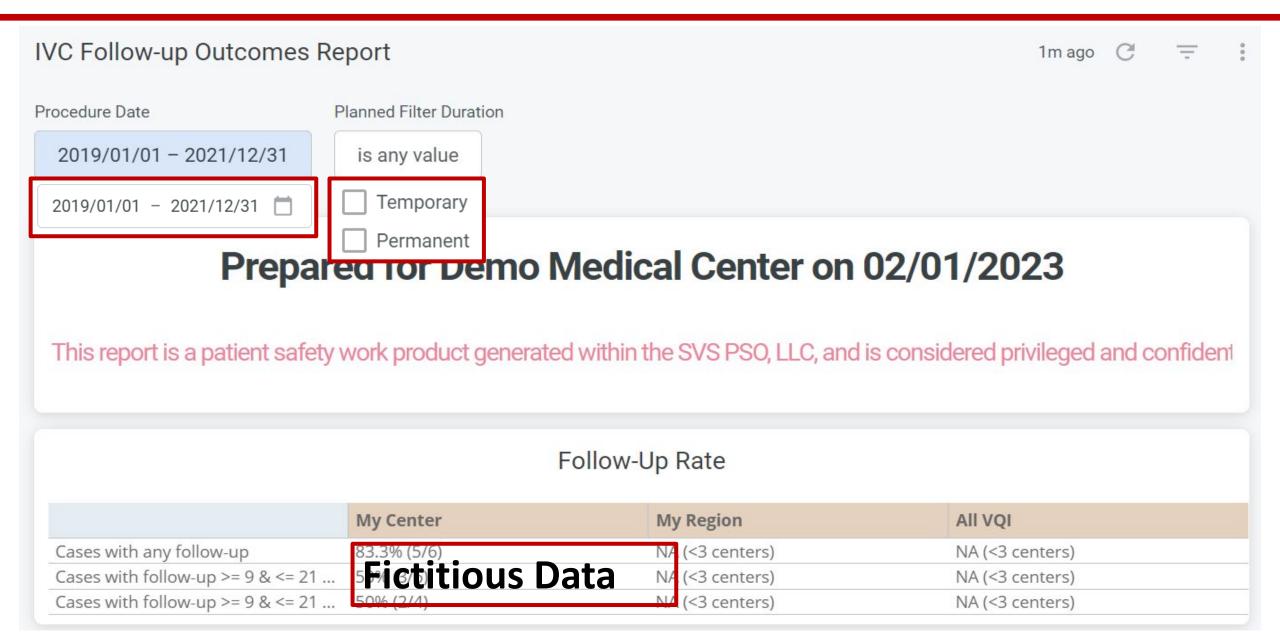






IVC Filter Follow Up Report

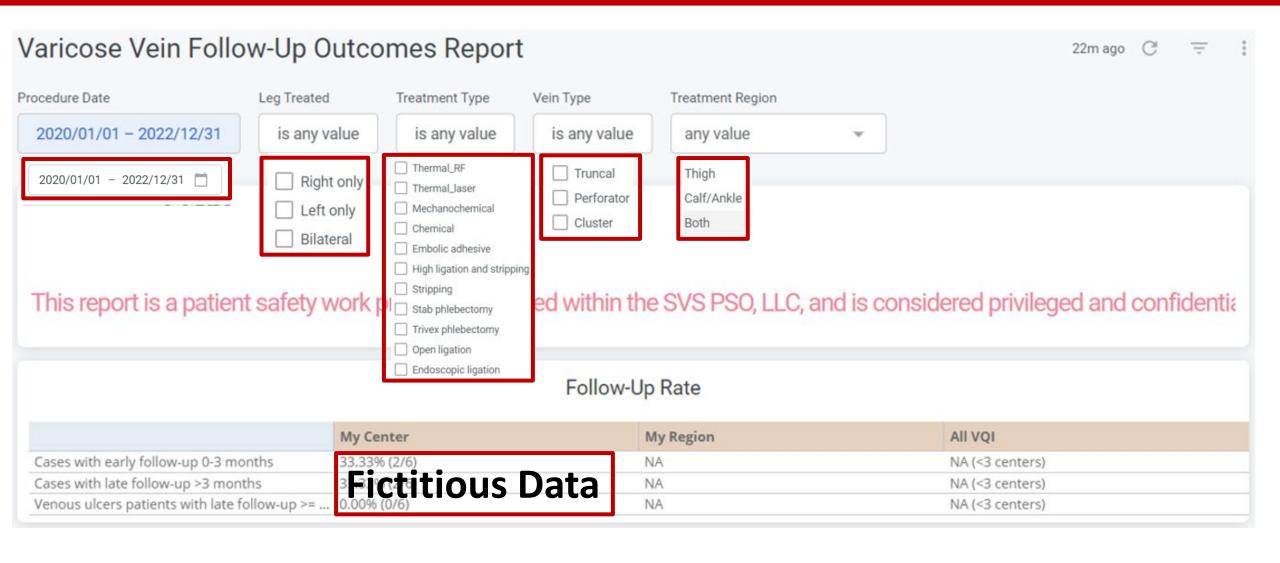






Varicose Vein Follow-up Report

















Arterial and Venous RAC Tips



- Melissa Latus is your PSO primary point of contact on the status or refresh request. mlatus@svspso.org
- An ACTIVE pathways account & privileges to 'Share a File' is required in order to receive your requested Blinded Data Set (BDS)
- Always include your RAC proposal number in any communications please.















Arterial Research Advisory Council: Nicholas Osborne, MD













Arterial RAC Schedule



https://www.vqi.org/svs-vqi-national-arterial-rac-schedule/

- PSO Arterial RAC April 2023 Proposal Submission
- Call for Proposals: February 28, 2023
- Submission Deadline: March 28, 2023
- Meeting: April 10, 2023

- PSO Arterial RAC June 2023 Proposal Submission
- Call for Proposals: May 2, 2023
- Submission Deadline: May 30, 2023
- Meeting: June 12, 2023

- PSO Arterial RAC August 2023 Proposal Submission
- Call for Proposals: July 4,2023
- Submission Deadline: August 1, 2023
- Meeting: August 14, 2023













Arterial Research Advisory Council



194 Publications in 2022

- **Data Security:** All investigators/team members are responsible for security of datasets, which are only to be used for the project for which they were approved.
- **Dataset Access:** Investigators have free access to the datasets to which their center has subscribed, providing that their center has at least 50% Long Term Follow-Up for the registry data being requested. Please confirm that your center subscribes to the dataset(s) you wish to analyze before submitting your proposal.
- Comparison of Specialties: The SVS VQI is a multi-specialty registry, therefore the SVS PSO Executive Committee does not allow comparisons between specialties in submission topics.













Venous Research Advisory Council:

Jennifer Watson, MD













Venous RAC Update:



Created a separate Venous RAC in July 2020

The Vascular Quality Initiative - National Venous RAC Schedule (vgi.org)

2020: 3 proposals

- The impact of vein size on closure rate in treatment of the saphenous vein for venous insufficiency: Jaime Benarroch-Gampel, MD
- Comparison of complication rates of IVC filters based on anticoagulant and indication: Emily Spangler, MD
- Effect of Access Site Choice on Angulation of IVC filter and Impact on retrieval rates: Khalil Qato, MD

2021: 3 proposals

- Incidence of venous thromboembolic events (VTE) after endovenous ablation in patients with venous stasis ulcers (C6 disease): Jaime Benarroch-Gampel, MD
- Impact of Treatment Length and Treatment Region on Clinical Outcomes after Varicose Vein Procedures: Halbert Bai, MD
- Safety and efficacy of Endovenous ablation in patients with a history of DVT: Mikel Sadek, MD

2022: Proposals

- Impact of IAC Vein Treatment Center Accreditation on practice habits, utilization index, and patient outcomes: ProMedica Toledo Hospital
- Patient, Provider, and Geographical Factors Influencing Appropriate Use of Endovenous Ablation Therapy
- Outcomes following endovenous ablation therapy for obese patients with CEAP C2 and C3 venous disease













National Venous RAC



National Venous RAC Schedule

Submissions are made separately to the National Arterial RAC and the National Venous RAC - see the schedule below and the link to Abstracts123: http://abstracts123.com/svs1/

(If you do not have a login for Abstracts123, you can create one through the same link)

Bi-Monthly Schedule for National Venous RAC Proposal Submissions

May 2023

Call for Proposals: March 28, 2023

Submission Deadline: April 25, 2023

Meeting: May 8, 2023

July 2023

https://www.vqi.org/national-venous-rac-schedule/

Call for Proposals: May 30, 2023

Submission Deadline: June 27, 2023

Meeting: July 10, 2023















Governing Council:

Ashraf Mansour, MD













Governing Council Update



Meeting November 18, 2022

- Quality Improvement Update
 - Smoking Cessation as a National Quality Initiative
 - 2022 ended with a record # of charters 113
- RAC Submission
 - 5 proposals per cycle from each institution
 - Once a center reaches 15 Arterial RAC proposals, faculty member will be expected to serve on RAC as an at large member
- Frailty variable development
- OBL Registry Refinement; enhanced value, reporting/reimbursement, ease data burden
- Discussion Data burden within registry
 - Committee member engagement/expectations
 - Each Committee will have an associate chair
 - Enhance reporting measures
 - Review current variables; consider required fields; elimination of data variables













MVSG 2023 Fall Regional Meeting



- Thursday, November 2, 2023
- 11:30 AM 5:00 PM Eastern Time
- Location TBD











Thank You!!



- Industry Supporters
 - -Cook Medical
 - -W.L. Gore
- CME/CE Accrediting Entity Des Moines University
- Regional Membership Team











