

SVS VQI Member Guide

Version 2.1 (February 2020)



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Welcome from SVS PSO Medical Director and SVS PSO Staff

On behalf of the Society for Vascular Surgery, we welcome you and the other SVS VQI participants at your center as members of the Society for Vascular Surgery's Society for Vascular Surgery's Vascular Quality Initiative (SVS VQI). This is an important demonstration of your commitment to quality. The SVS VQI believes and research supports that regional quality groups are the most effective way to translate your registry data into practice improvement. In your area, your center is part of a regional quality group which has been organized to support your quality efforts, and we encourage you to actively participate in semi-annual meetings and take advantage of the educational programs offered by the Society for Vascular Surgery's Patient Safety Organization (SVS PSO), such as webinars and comparative quality dashboards and reporting.

By participating in SVS VQI, you are helping to increase knowledge about vascular health care that is designed to improve quality. You will receive notification of how to access reports specific to your practice as a physician or for your center. Both process and outcome measures are benchmarked to other physicians and center in your region and to national SVS VQI participants.

This second edition includes expanded sections on Data Analysis, Data Audit, and the Quality Improvement charters used by centers for QI projects.

As you participate and learn more about the SVS VQI, we are always interested in your suggestions or questions.

With best regards,

Jens Eldrup-Jorgensen, M.D., Medical Director, SVS Patient Safety Organization

James K. Wadzinski, Senior Director, SVS Patient Safety Organization

Carrie Bosela, Director of Clinical Operations, RN, CPC, CPC-I

Cheryl Jackson, Quality Director, DNP, MS, RN, CNOR, CPHQ

Nancy Heatley, Education and Research Projects Manager, MBA

Melissa McElroy , PSO & Inter-Society Relations Specialist

1. Introduction to the SVS VQI

The Society for Vascular Surgery's Vascular Quality Initiative® is designed to improve the quality, safety, effectiveness and cost of vascular health care by collecting and exchanging information. It consists of a distributed network of regional quality groups that function under an AHRQ-listed Patient Safety Organization using the M2S cloud-based data collection and reporting system. It is available to all providers of vascular health care and their respective institutions, including vascular, cardiac, neurosurgical/neurological specialists, interventionalists and general surgeons across teaching hospitals, academic medical centers, community hospitals, vein centers and private practices.

The SVS VQI currently has 12 vascular registries for both arterial and venous procedures, with several more under development:

- 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

In development:

- Vascular Ultrasound Registry (Pilot sites selected)
- Vascular Medicine Registry (*to be launched in 2019*)
- Venous Stent Registry (*to be launched in 2019*)

Importance of Consecutive Cases. Under AHRQ and PSO rules, consecutive cases are entered but data are protected so that center-level and surgeon-level information is de-identified. The PSO model helps to identify opportunities for improvement and development of best practice.

The Role of Long-Term Follow-Up. One of the key benefits of participation in the SVS VQI is the importance of and the emphasis on collection of long term follow up data for a year after procedures to identify outcomes and effectiveness.

Roles and Responsibilities. The SVS VQI as a collaborative has a number of key stakeholders who include:

- **SVS PSO Staff** provide clinical and administrative support at all levels, and include the SVS PSO Medical Director, Jens Eldrup-Jorgensen, MD. For a full list of SVS PSO Staff with their contact details, please see Appendix A.
- **Regional Quality Groups** review and support outcomes data to develop best practice and quality improvement initiatives (See Appendix B for a listing of Regional Groups, Regional

Leaders and Regional Data Managers). There are currently 18 regional groups and these groups provide guidance, support site level and regional projects, and help drive new regional initiatives relevant in response to regional data.

- **SVS PSO Committees** develop policy and improvements by registry as well as SVS VQI-wide committees such as the Arterial and Venous Quality Councils (See Appendix C for a listing of PSO Committees and Chairs).
- **M2S/Medstreaming** are the SVS VQI technology partners and develop and maintain the M2S PATHWAYS clinical platform (www.m2s.com), and provide technical support 9am to 5pm (ET), (pathwayssupport@m2s.com)
- **Government Agencies:** Part of the PSO's quality mission is to work with government agencies such as FDA and CMS, along with industry, to evaluate the safety and efficacy of devices used in vascular procedures.
- **Device Manufactures and Pharmaceutical Firms** provide sponsorship for the SVS PSO at a corporate level, a regional level and sponsor projects, which in turn help fund educational events and improvements in the clinical platform (See information on Industry projects at <https://www.VQI.org/industrypartners/physicians-hospitals/>)

2. Getting Started

SVS VQI centers include physicians, vascular support staff, quality staff and other facility administration enter and review data at the center level. Once your center's contract has been signed, the PATHWAYS Support Team will be contacting your center representative(s) to arrange the initial training for data entry and reporting. The time required for training will depend on how many registries your center is participating in. All center staff are eligible for training though different members of your team will require different levels of access.

Lead Physician. Each site selects a Lead Physician. The Lead Physician supports the site in reviewing results, provides a clinical liaison with the SVS PSO staff, SVS PSO Medical Director, and SVS PSO Committee physicians, and is a voting member of the regional Executive Committee.

Lead Data Manager. The Lead Data Manager manages the overall quality of data entry at your center, with the assistance of others such as other abstractors and quality staff. Lead Data Managers work with the Regional Data Manager to ensure data accuracy and address questions for members related to data entry, data quality and overall quality improvement.

Physicians. The physicians at your center may be responsible in part or in whole for data entry, though some centers delegate all data entry to data managers or data abstractors. Every center has their own workflow and the PATHWAYS Support Team can help you establish the best workflow for you. You will receive bi-annual comparative reports on your procedures at a physician level, benchmarked relative to your region and nationally. You also will have quarterly access to Physician and Center Dashboards of your quality metrics.

Physicians may also request de-identified regional or national datasets for quality research purposes for the registries that your center is subscribed to. Dataset requests are explained in Section 9, p. 6.

Data Managers/Data Abstractors. The primary responsibility of quality data entry and abstraction is given to the sites themselves within the SVS VQI. Questions related to how data should be entered

should be referred to the PATHWAYS Support team in the first instance – there are also many FAQs and guidance documents in the Resource Tab of the PATHWAYS platform, including extensive Help Text for the fields in the system.

In addition to your original training and the on-going tools in the system, our technology partner, M2S, and the SVS PSO offer webinars monthly on a wide range of topics from how to abstract difficult cases to improvements to specific registries to how to start a quality improvement project to address challenges in your outcomes. Each lead data manager sets access privileges to the SVS VQI data at their site.

Other Staff. Typically, other groups may receive the Center-Level reports, such as quality staff, residents/fellows or other hospital administration, though they would not be entering data.

3. Data Entry and Abstraction in the M2S PATHWAYS Clinical Platform

Initial Training. Your center’s staff will receive training from the M2S PATHWAYS Support Team, once you have completed contracting. This training will need to be scheduled once your site contract is complete. The PATHWAYS team also provides a Help Desk to assist with any technical problems on the PATHWAYS data entry platform or issues with access (pathwaysupport@m2s.com)

M2S PATHWAYS Clinical Platform. PATHWAYS have a Resource Tab within the secure data entry portal, and FAQs which help users with common questions on data definitions, exclusions, and inclusion criteria. <https://pathways.m2s.com/>

“Help Text”. PATHWAYS Support also provides and maintains the “help text” within the PATHWAYS clinical platform. This information is regularly updated by the Support Team, working with the SVS PSO.

Data Audits. To ensure consistency and quality in the registry data, the SVS PSO conducts a range of data audits and statistical reviews throughout the year to improve the overall quality of the data. Your center may be asked to participate in these audits from time to time.

4. What Data Do You Receive in SVS VQI?

All SVS VQI members of your center receive center-level reports with comparison to regional and national benchmarks, such as CEA Stroke or Death, which are sent out twice a year. Dashboards provide quarterly updates on the center-level data.

Quarterly Dashboards. These Registry-specific reports allow centers to compare their performance to regional and national benchmarks on dozens of process and outcome measures. These dashboards are sent to all SVS VQI participants.

Semi-Annual Regional Reporting. The SVS PSO produces reports in the spring and fall that give centers detailed information about their performance on more than 20 key measures, such as postop stroke and length of stay, across all registries. The data in these reports are de-identified at both the center and physician level. These reports, which show how each center compares to other centers in its region and to other centers nationally, are the principal topic of discussion at the spring and fall meetings of the SVS VQI regional groups. Reports are distributed to all users directly in secure file formats.

Center Outcome Performance for Improvement Reports (COPI). The SVS PSO produces periodic analyses that look in depth at a single key outcome, determine patient and procedural factors that increase risk of that outcome, and show centers how they compare to their region and the nation on each of those risk factors. Recent topics have included LOS after CEA and hematoma after PVI.

Custom Reporting in the PATHWAYS Analytics Engine. Members can select variables, add filters, view results in tabular format, benchmark results with other participants, and download/export the analyses.

5. How to Support your Vascular Quality Improvement Program

Participation Awards. The SVS PSO wishes to encourage centers to improve and provides annual awards with a Star Point system based on Long Term Follow-Up, regional meeting attendance, quality improvement projects and the number of registries. Eligible centers may be awarded one, two or three Stars, and 3 Star Centers receive certificate presented at their Spring regional meeting or at the SVS VQI Annual Meeting in June. The latest results are posted annually on the SVS VQI website.

Four years ago, the SVS PSO launched the SVS VQI Participation Awards to recognize the importance of active participation in the SVS VQI as a critical component of our quality improvement mission. The program has now grown to include a Quality Improvement domain and we are very encouraged by the results of our members. In particular, the improvement in the median rate of reporting for long-term follow-up increased from 70% for 2015 follow-up last year to 74% for 2016 follow-up for this year's reporting period. We congratulate all our centers for their hard work and dedication, which led to this improvement.

While the SVS PSO posts a listing of the Participation Award results on the SVS VQI website and recognizes award winners at our 18 regional meeting, we feel we can and want to do more to help celebrate your success. We also want to provide SVS VQI members with the tools and guidance, so they can communicate their good work, as recognized through this award.

Given that the SVS VQI operates under the construct of a Patient Safety Organization, there are certain limitations on the data we can share and how members can use and communicate the results of data received from the SVS VQI/PSO. The SVS PSO is not allowed to publicly report any outcomes data, which is the primary reason we have a Participation Award and not a Quality/Outcomes Award. The Participation Award is linked to critical activities that show a center's commitment to quality improvement and patient engagement, but the award is not and cannot be referenced as an indicator directly tied to quality of care.

To help you celebrate your success, in a manner that is consistent with SVS PSO guidelines, we are providing you some tools and resources:

- 1) Each site will now receive a Participation Award certificate. This certificate can be used internally and posted on the institution's website. There may be no modifications to the certificate and it cannot be used for competitive marketing purposes.
- 2) In addition to each site receiving a PDF version of their Participation Award certificate, centers receiving 3-Stars will also receive a hard-copy certificate, which will be presented at the regional or annual meeting.
- 3) We also have created a standard press release, which your institution can use in your local media market. If your institution chooses to use the release, we ask that no content be modified, except for the name of your institution, the quote from your institution's leadership and the boilerplate language describing your institution.
- 4) SVS PSO staff, Cheryl Jackson or Jim Wadzinski, will work with your institution to approve final drafts of the press release.

You can also find a template press release for those centers who achieved the maximum of 3 Stars ([https://www.VQI.org/about/participating-SVS VQI-centers/](https://www.VQI.org/about/participating-SVS-VQI-centers/))

Monitor Long-Term Follow-Up (LTFU) Long-Term Follow-Up is measured at the 12-month (one year) mark after a procedure and is captured within a window of 9 months to 21 months. Consistent LTFU demonstrates commitment to quality patient care. To raise the LTFU rates for all SVS VQI centers, high performing centers are eligible to receive a SVS VQI participation award and be acknowledged in SVS PSO publications. More information on LTFU is posted on the SVS VQI website. (<https://www.VQI.org/about/long-term-follow-up/>)

Participate in Quality Improvement Projects. The SVS PSO encourages and supports centers who wish to embark on QI projects. The SVS PSO has published a QI Guide to assist centers with QI materials and coaching. The SVS PSO has two National Quality Initiatives on use of discharge medications and on EVAR long-term follow-up. For the QI Project Guide and the QI Project Guide Supplements on the National Initiatives, log into the Members Only area on the SVS VQI site. (<https://www.VQI.org/national-data/>)

Your center can earn Star Points toward your Participation Awards by developing a QI Charter for a quality project. Quality projects may involve data managers, physicians and quality professionals.

Attend Semi-Annual Regional Meetings. Each region's scheduled Spring and Fall Meetings are posted on the respective region's web pages. Attendance counts towards a center's annual Participation score (<https://www.VQI.org/regional-groups/regional-quality-groups/>)

6. Website Resources to Support QI

SVS VQI website provides overview of the SVS VQI, the available information, processes and quality improvement elements within the registries (www.VQI.org). The website was redesigned in 2018 to focus on regional group support, data analysis and industry partnerships. To find the right contact for the information you may be looking for, please see the SVS VQI Contact Directory on the pages 9 to 13.

The Regional Quality Group web pages are part of the main SVS VQI site but provide sections for each regional group to post information on membership, leadership, events and bylaws. See the Regional Group Interactive Map to see which group your center belongs to (<https://www.VQI.org/regional-groups/regional-quality-groups/>)

Members' Only section of the SVS VQI website provides quality improvement resources such as case studies, posters, presentations and videos and a Members' Forum to share best practices. This section does NOT include identifiable data. Please note that the Members Only area requires a login, www.VQI.org/national-data, which can be obtained from Nancy Heatley at the SVS PSO.

M2S PATHWAYS Data Entry/Analytics platform and Resources Tab provides the secure platform for all registry data and reporting. Clinical outcomes data and reports are maintained in the PATHWAYS platform.

7. SVS VQI Educational Resources for Members

Regional Quality Meetings. – the Regional Meetings are an excellent opportunity to review outcomes and share best practice. Each Regional Group runs both a Spring and Fall Meeting, organized by the

Regional Leader and the SVS PSO. Meetings are open to all members in the group including physicians, data managers/abstractors, residents, and quality staff. There is no cost to attend, other than travel expenses. See the Regional web pages for your Regions' latest information on participating sites and events as well as contacts for the Medical Directors for each group, <https://www.VQI.org/regional-groups/current-regional-quality-groups/>

SVS VQI Annual Meeting. – This meeting is held each year co-located with the Vascular Annual Meeting and is geared toward data managers and abstractors as part of ongoing education and sharing best practice. The presentations, abstracts, videos and case studies from prior years can be found on the Members Only section of the SVS VQI website (Log in to Members' Only webpages or request a log in from Nancy Heatley, nheatley@svspsos.org).

Webinars. The SVS PSO and M2S offer webinars at least once per month on a selection of topics including data abstraction, data reporting and analytics, quality improvement and registry-specific updates. Recordings of past webinars are available on the SVS VQI website, under the SVS VQI Resource Library. The webinars are listed on the SVS VQI website and on the SVS VQI News, the e-newsletter.

SVS VQI News (e-newsletter). – This e-newsletter is distributed every other month by the SVS PSO, written by SVS PSO Quality Director and provides updates on regulatory issues, technical updates, registry changes, regulatory updates and upcoming events.

SVS VQI Quality Improvement (e-newsletter). – This e-newsletter is provided by Cheryl Jackson, Quality Director, also bi-monthly, and focuses on advice for centers on how to start and maintain quality activities using SVS VQI data. The SVS PSO encourages centers to develop QI projects, and QI projects count towards center's annual Participation Awards score.

SVS VQI Monthly Reporting. Membership and procedure volume are posted on the SVS VQI website in the Resource section on the right-hand side, <https://www.VQI.org/resources/>. This reporting is related to volumes only and does not include center-level information, which can be found in PATHWAYS.

8. Rules of the Road

“Patient Safety Work Product (PSWP)”. PSO regulations state that no data in a PSO that are considered “PSWP” can be disclosed, unless it is de-identified and non-re-identifiable.

Reports that identify center-specific or physician-specific are “PSWP”. This includes semi-annual report, quarterly dashboards, and Center Opportunity Profile for Improvement Reports and Physician Reports. These reports benchmark SVS VQI centers, and physicians, any regional comparative reports and their related benchmarks are PSWP and therefore are treated as confidential.

Benchmark data for these reports can be considered de-identified and non-re-identifiable (based on low-to-no risk of reidentification of a patient, physician or hospital).

AHRQ, the U.S. Governing Agency over PSOs is comfortable with sites disclosing their own data as these data can be reproduced outside of the PSO, from the hospital's own data, which is not the considered PSWP.

No Use for Marketing or Competitive Purposes.

SVS VQI/SVS PSO data cannot be used for competitive marketing purposes.

As stated in the contract with each SVS VQI member, SVS VQI/PSO data are subject to the privilege and confidentiality provisions of the PSO Act and under no circumstances may a site use or disclose any Patient Safety Work Product (PSWP) for marketing or competitive purposes.

The SVS VQI and SVS PSO prohibits competitive marketing to maintain a safe environment, where data are entered and used to improve quality. This is a major reason that the SVS VQI employs a PSO. Sites and physicians know that data from the SVS VQI cannot be used against them (by internal or external parties) in a punitive manner. As such, we believe this allows hospitals and physicians to enter accurate data with no fear of judgement/repercussions. Allowing data to be used for competitive marketing purposes would jeopardize this dynamic.

However, educational papers, posters and publications do not violate the spirit of this agreement. Rather, this helps further educate other SVS VQI member and non-members, as to what can be accomplished by active participation in the SVS VQI. You can use national benchmarking for marketing purposes, but not regional benchmarking under PSO regulations.

Device Manufacturers' Use of De-Identified Data

In support of the SVS PSO mission to improve quality help, industry works with the SVS PSO and M2S to develop de-identified data projects that improve understanding of outcomes and improve patient safety through clinical surveillance projects, with the support of the FDA.

Centers can be reimbursed for their participation and a list of the on-going programs can be found on the SVS VQI website, <https://www.VQI.org/industrypartners/physicians-hospitals/>.

9. Using SVS VQI Data for Data Analysis for Quality Research – The Research Advisory Council

As part of the SVS PSO commitment to patient safety and quality data for vascular health, the SVS has a Research Advisory Council (RAC) that oversees the use of SVS VQI registry data for quality purposes.

Each region has a regional Research Chair who approves projects at the regional level, while the National RAC meets six times each year to review and approve projects using the SVS VQI registry data on a de-identified basis only.

There is no charge for investigators to use the SVS VQI data, once approved, though there are some restrictions and guidelines in place to ensure that data are used properly and within the rules of the SVS PSO. Your center has access to any dataset that you are subscribed to, provided that your center maintains a long-term follow-up rate of 50% or higher.

For more information on the RAC and to request datasets, please see the Quality Research overview on the SVS VQI website <https://www.VQI.org/data-analysis/> including the RAC Search Tool which allows you to see past approved projects to inform your proposal.

Investigators wishing to use SVS VQI datasets should be aware of certain SVS PSO Guidelines:

1. SVS VQI Datasets can only be provided to the centers which subscribe to that particular registry or registries.
2. SVS VQI Datasets are provided for the single specific project that has been approved.

3. Projects involving specific devices or industry surveillance projects are subject to additional review and restriction by the National RAC and the SVS PSO Executive Committee to protect sensitive device data.
4. It is the responsibility of the primary and co-investigators who receive the SVS VQI dataset(s) to ensure that all members of the team are aware of the terms and conditions of the Data Use Agreement.'
5. SVS PSO policies on industry surveillance projects and projects involving device identification are under review. Please see the SVS VQI website for the latest updates (<https://www.VQI.org/data-analysis/svs-psy-data-analysis-guidelines-use/>)

10. SVS VQI Branding Guidelines for How the SVS VQI Branding Could Be Used in your Center

Logo Usage. The SVS VQI logo can be used with the permission of the SVS PSO to support your vascular quality activities. The logo could be used in communications to patients or within your institution. If you wish to have a high-resolution copy of the logo, please contact Nancy Heatley at nheatley@svspsso.org.



SVS VQI Presentations. The SVS VQI has a large collection of presentations and slides that may be helpful in explaining the SVS VQI to colleagues inside and outside your institution. The presentations include quality research, registry overviews, benefits of participation in SVS VQI and quality improvement sample projects. For more information on presentation materials, please contact Nancy Heatley at nheatley@svspsso.org.

Posters and Other Materials. From time to time, the SVS PSO and M2S develop new flyers, quality research, posters or other graphics to help support the SVS VQI. These materials are posted on the SVS VQI website or shared at SVS VQI events. If you are looking for something specific, please contact the Nancy Heatley at the SVS PSO as we may have already developed what you need.

11. Directory of SVS VQI Staff and Functions – Who Can Help with What?

First Name	Last Name	Organization	Email	Area of Resp.
Carrie	Bosela	SVS PSO	c.bosela@svspsso.org	Clinical Operations
Andrei	Cioban	M2S/Medstreaming	pathwayssupport@m2s.com	Registry Support
Jen	Correa	M2S/Medstreaming	jcorrea@m2s.com	M2S Marketing
Maggie	Frank	M2S/Medstreaming	mfrank@m2s.com	M2S Contracts
Rob	Hall	M2S/Medstreaming	pathwayssupport@m2s.com	Registry Support
Kaisha	Hayden	M2S/Medstreaming	pathwayssupport@m2s.com	Registry Support
Nancy	Heatley	SVS PSO	nheatley@svspsso.org	Education/Research
Cheryl	Jackson	SVS PSO	cjackson@svspsso.org	Quality Improvement
Jen	Lyman	M2S/Medstreaming	accounts@m2s.com	M2S Finance (Accts)
Deb	Macaulay	M2S/Medstreaming	macaulay@m2s.com	M2S Sales
Leka	Johnson	SVS PSO	mmcelroy@vascularsociety.org	Regional Groups
Joanne	Miller	M2S/Medstreaming	jmiller@m2s.com	PATHWAYS (Mgr)
Anne	Parker	M2S/Medstreaming	aparker@m2s.com	M2S Sales
Becky	Torrey	M2S/Medstreaming	pathwayssupport@m2s.com	Registry Support
Jim	Wadzinski	SVS PSO	jwadzinski@vascularsociety.org	General Management
Heather	Wittmann	M2S/Medstreaming	pathwayssupport@m2s.com	Registry Support

By Topic

Topic	Name	Organization
Adding a Registry	Anne Parker/Deb Macaulay	M2S
Analytics Reporting	PATHWAYS Support	M2S
Billing	Jen Lyman	M2S
Blinded Dataset Requests	Nancy Heatley	SVS PSO
Clinical Questions, by Registry	PATHWAYS Support	SVS PSO
Contracting/Legal	Maggie Frank	M2S
Help Text, PATHWAYS	PATHWAYS Support	M2S
Industry Partnerships	Jim Wadzinski	SVS PSO
Long Term Follow Up	Cheryl Jackson	SVS PSO
Members Only (QI Materials)	Nancy Heatley	SVS PSO
Members Only (Access)	Nancy Heatley	SVS PSO
Participation Awards	Cheryl Jackson	SVS PSO
PATHWAYS Data Entry	PATHWAY Support	M2S
PATHWAYS Login	PATHWAYS Support	M2S
PSO/AHRQ Regulations	Carrie Bosela	SVS PSO
Quality improvement	Cheryl Jackson	SVS PSO
Regional Meetings	Leka Johnson	SVS PSO
TCAR Participation	Jim Wadzinski	SVS PSO
Unsubscribe Requests, SVS VQI	Lead Data Manager	Your site
SVS VQI Website	Nancy Heatley	SVS PSO

APPENDIX A – SVS PSO Staff and Contacts

First Name	Last Name	Email	Role	Phone
Carrie	Bosela	c.bosela@svspso.org	Clinical Operations	603-558-0163
Nancy	Heatley	nheatley@svspso.org	Research and Education	802-698-323-
Cheryl	Jackson	cjackson@svspso.org	Quality	312-334-2343
Leka	Johnson	ljohnson@vascularsociety.org	Regional Group Support	312-334-2350
James	Wadzinski	jwadzinski@svspso.org	Senior Director	312-334-2311
Kristopher	Huffman	khuffman@svspso.org	Analytics	

APPENDIX B – Regional Group Leaders and Regional Data Managers

Regional Group Leaders

Regional Group Name	Regional Leader/Co-Leader	Email
CANADIAN VASCULAR QUALITY INITIATIVE	Dr Graham Roche-Nagle	graham.roche-nagle@uhn.ca
CAROLINAS VASCULAR QUALITY GROUP (CVQG)	Dr Leila Mureebe	LEILA.MUREEBE@DUKE.EDU
CAROLINAS VASCULAR QUALITY GROUP (CVQG)	Dr Thomas Brothers	brothete@musc.edu
GREAT LAKES VASCULAR STUDY GROUP (GLVSG)	Dr Mohammad Eslami	moeslami@upmc.org
MICHIGAN VASCULAR STUDY GROUP (MVSG)	Dr M. Ashraf Mansour	Ashraf.Mansour@spectrumhealth.org
MID-AMERICA VASCULAR STUDY GROUP (MAVSG)	Dr David Chew	dchew@iowaheart.com
MID-AMERICA VASCULAR STUDY GROUP (MAVSG)	Dr James Ebaugh	jebaugh@iowaheart.com
MID-ATLANTIC VASCULAR STUDY GROUP (MAVSG)	Dr Grace Wang	grace.wang@uphs.upenn.edu
MID-SOUTH VASCULAR STUDY GROUP (MSVSG)	Dr Patrick Ryan	pryan@nvavi.com
MIDWEST VASCULAR COLLABORATIVE (MVC)	Dr Gary Lemmon	gwlemmon@iupui.edu
NORTHERN CA VASCULAR STUDY GROUP (NCVSG)	Dr Matthew Mell	mwmell@ucdavis.edu
PACIFIC NORTHWEST VASCULAR STUDY GROUP (PNWVSG)	Dr Nam Tran	ntran@uw.edu
ROCKY MOUNTAIN VASCULAR QUALITY INITIATIVE (RMVQI)	Dr Scott Berman	sberman@azvasc.com
So. CA VASCULAR OUTCOMES IMPROVEMENT COLLABORATIVE (VOICE)	Dr Ahmed Abou-Zamzam	AZamzam@llu.edu
SOUTHEASTERN VASCULAR STUDY GROUP (SEVSG)	Dr Charles Ross	charles.ross@piedmont.org
SOUTHERN VASCULAR OUTCOMES NETWORK (SoVONet)	Dr Dennis Gable	dennis.gable@bswhealth.org
UPPER MIDWEST VASCULAR NETWORK (UMVN)	Dr Randall DeMartino	DeMartino.Randall@mayo.edu
VASCULAR STUDY GROUP OF GREATER NEW YORK (VSGGNY)	Dr Apostolos Tassiopoulos	apostolos.tassiopoulos@stonybrookmedicine.edu
VASCULAR STUDY GROUP OF NEW ENGLAND (VSGNE)	Dr Philip Goodney	philip.p.goodney@hitchcock.org
VIRGINIAS VASCULAR STUDY GROUP (VVSG)	Dr. Samantha Minc	Samantha.Minc@wvumedicine.org
VIRGINIAS VASCULAR STUDY GROUP (VVSG)	Dr. Albeir Mousa	amousa@hsc.wvu.edu

Regional Data Managers by Regional Group

Regional Group Name	Lead Regional DM	Email
CANADIAN VASCULAR QUALITY INITIATIVE	Naomi Eisenberg	naomi.eisenberg@uhn.ca
CAROLINAS VASCULAR QUALITY GROUP (CVQG)	Lynne Hampton	Lynne.Hampton@hcahealthcare.com
GREAT LAKES VASCULAR STUDY GROUP (GLVSG)	Robin Acino; Julie Mason	robin.acino@promedica.org; julie.mason@promedica.org
MICHIGAN VASCULAR STUDY GROUP (MVSG)	Pam Benci	plf@med.umich.edu
MID-AMERICA VASCULAR STUDY GROUP (MAVSG)	Cynthia Bik	cbik@iowaheart.com
MID-ATLANTIC VASCULAR STUDY GROUP (MAVSG)	TBA	TBA
MID-SOUTH VASCULAR STUDY GROUP (MSVSG)	Tonya Turner	tturner@nvavi.com
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NORTHERN CA VASCULAR STUDY GROUP (NCVSG)	Heather Houston	hhouston@ucdavis.edu
PACIFIC NORTHWEST VASCULAR STUDY GROUP (PNWVSG)	Amanda Sigala	afrye@uw.edu
ROCKY MOUNTAIN VASCULAR QUALITY INITIATIVE (RMVQI)	Megon Berman	
So. CA VASCULAR OUTCOMES IMPROVEMENT COLLABORATIVE (VOICE)	Kelsi Ostenson	kelsi.ostenson@sharp.com
SOUTHEASTERN VASCULAR STUDY GROUP (SEVSG)	Michelle Glanville	michelle.glanville@piedmont.org
SOUTHERN VASCULAR OUTCOMES NETWORK (SoVONet)	Rosha Nodine	rosha.nodine@bswhealth.org
UPPER MIDWEST VASCULAR NETWORK (UMVN)	Mary Wanzek	wanzek.mary@mayo.edu
VASCULAR STUDY GROUP OF GREATER NEW YORK (VSGGNY)	Donna Albergo	donna.albergo@stonybrookmedicine.edu
VASCULAR STUDY GROUP OF NEW ENGLAND (VSGNE)	Patty Bozeman	patricia.bozeman@hhhealth.org
VIRGINIAS VASCULAR STUDY GROUP (VVSG)	Stacy Giardina	stacy.giardina@wvumedicine.org

APPENDIX C – SVS PSO Committee Chairs and Co-Chairs by Committee Name

Title	First Name	Last Name	Committee Chair/Co-Chair	Email
Dr	Ahmed	Abou-Zamzam	Amputation Registry Committee	AZamzam@llu.edu
Dr	Adam	Beck	Arterial Quality Committee	awbeck@uabmc.edu
Dr	Grace	Wang	CAS Registry Committee	grace.wang@uphs.upenn.edu
Dr	Benjamin	Brooke	CEA Registry Committee	benjamin.brooke@hsc.utah.edu
Dr	Glenn	Jacobowitz	Communication Committee	glenn.jacobowitz@nyumc.org
Dr	Jens	Eldrup-Jorgensen	EPIC	jorgej@mmc.org
Dr	Robert	Steppacher	EPIC	robert.steppacher@umassmemorial.org
Dr	Gary	Lemmon	EVAR Cost	gwlemmon@iupui.edu
Dr	Salvatore	Scali	EVAR Registry Committee	salvatore.scali@surgery.ufl.edu
Dr	Fred	Weaver	Executive Council	fweaver@med.usc.edu
Dr	Fred	Weaver	Governing Council	fweaver@med.usc.edu
Dr	Karen	Woo	Hemodialysis Registry Committee	kwoo@mednet.ucla.edu
Dr	Antonios	Gasparis	IVC Filter Registry Committee	antonios.gasparis@stonybrook.edu
Dr	Jessica	Simons	LEB Registry Committee	jessica.simons@umassmemorial.org
Dr	Andrew	Hoel	Medicare Claims	awhoel@nmh.org
Dr	Peter	Henke	National Opioid Steering Group	henke@med.umich.edu
Dr	Rumi	Faizer	OAAA Registry Committee	rfaizer@umn.edu
Dr	Randall	DeMartino	Vascular Medicine Registry Committee	DeMartino.Randall@mayo.edu
Dr	Daniel	Bertges	Participation Committee	daniel.bertges@uvmhealth.org
Dr	Daniel	Bertges	PVI Registry Committee	daniel.bertges@uvmhealth.org
Dr	Philip	Goodney	Research Advisory Council	philip.p.goodney@hitchcock.org
Dr	Adam	Beck	TEVAR Project Committee	awbeck@uabmc.edu
Dr	Virendra	Patel	TEVAR Registry Committee	vpatel4@partners.org
Dr	Thomas	Wakefield	Varicose Vein Registry Committee	thomasww@med.umich.edu
Dr	Scott	Berman	Vascular Technology Council	sberman@azvasc.com
Dr	Jens	Eldrup-Jorgensen	Vascular Technology Council	jorgej@mmc.org
Dr	Jose	Almeida	Venous Quality Committee	dralmeida@mac.com



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