

SVIN Registry: Comprehensive Governance, Operations, and Scholarly Output Guidelines

Background and Rationale

The SVIN Registry is a cornerstone initiative of the Society of Vascular and Interventional Neurology (SVIN), designed to aggregate high-quality, real-world data across participating centers to advance clinical care, research, and innovation in neurointervention. As the Registry matures, there is a growing need for a clear, scalable governance and operational framework that supports scientific rigor, equitable participation, efficient data use, and timely dissemination of results.

To meet these needs, the guidelines establish a structured, yet collaborative model built around two complementary operational cores within the SVIN Registry:

- **SVIN Registry Publications & Scientific Oversight Core (PSOC)**
- **SVIN Registry Data Management & Biostatistics Core (DMBC)**

Together, these cores support investigators from data intake through publication, while maintaining clear separation of responsibilities, transparency, and accountability.

Overall Objectives

1. Ensure high-quality, curated, and well-governed Registry data.
 2. Enable efficient, investigator-friendly access to data for research.
 3. Promote scientifically rigorous, non-duplicative studies.
 4. Accelerate manuscript completion and publication timelines.
 5. Generate consistent, high-impact scholarly output.
 6. Support partnerships with industry while preserving scientific independence.
 7. Establish the SVIN Registry as a sustainable, self-supporting research platform.
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Strategic Goals (3–5 Year Horizon)

- Produce **5–7 peer-reviewed publications per year** using SVIN Registry data.
- Establish the Registry as a preferred external or historical control dataset for industry-sponsored studies.
- Generate sustainable funding through:
 - Industry partnerships
 - Sponsored analyses
 - Data-use agreements

- Increase participation and scholarly output from both high- and lower-volume centers.
 - Enhance SVIN's national and international academic footprint.
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Key Deliverables

Annual Deliverables

- 5–7 peer-reviewed manuscripts
- Multiple abstracts and presentations at national/international meetings
- Curated, analysis-ready datasets
- Annual report summarizing projects, publications, and partnerships

Operational Deliverables

- Standardized proposal intake and review process
 - Transparent project tracking system
 - Defined authorship and publication policies
 - Timely analytic support and data delivery
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Governance Structure

SVIN Registry Publications & Scientific Oversight Core (PSOC)

Primary Role: Scientific governance, publications oversight, and data stewardship

Key Responsibilities: - Oversight of data intake to the SVIN Clinical Coordinating Center - Verification that submitted data meet Registry standards - Curation and organization of incoming data - Authorization of curated datasets for analytic use - Scientific review and approval of research proposals - Oversight of authorship structure and fairness - Review and approval of all scholarly products prior to submission - Monitoring project progress and accountability

This Core collaborates closely with the Data Management & Biostatistics Core (DMBC) on feasibility and analytic planning, without duplicating analytic responsibilities.

SVIN Registry Data Management & Biostatistics Core (DMBC)

Primary Role: Data feasibility assessment, study design support, and statistical analysis

Key Responsibilities: - Assess data availability and feasibility for proposed projects - Identify missing or incomplete variables - Recommend refinements to aims, outcomes, and study design - Prepare analysis-ready datasets - Conduct or support statistical

analyses - Generate tables, figures, and analytic summaries - Maintain a project tracking log in coordination with the Publications & Scientific Oversight Core (PSOC)

This core function as a collaborative analytic resource for investigators.

Project Lifecycle Overview

1. Investigator submits proposal using the standard SVIN Registry form.
 2. Proposal is reviewed by the Publications & Scientific Oversight Core (PSOC) for scientific alignment and overlap.
 3. Feasibility and analytic planning are coordinated with the Data Management & Biostatistics Core (DMBC).
 4. Upon approval, curated data are transferred for analysis.
 5. Investigators receive finalized results.
 6. Manuscript drafting, review, and submission follow Registry timelines and policies.
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Publications and Authorship Policy

Purpose

This policy ensures that all scholarly products derived from SVIN Registry data are scientifically rigorous, ethically conducted, and fairly attributed, while promoting timely dissemination and accountability.

Scope

Applies to all manuscripts, abstracts, posters, presentations, and reports using SVIN Registry data, including investigator-initiated and industry-supported projects.

Oversight

- The PSOC oversees proposal coordination, authorship structure, and final review of research products.
 - The DMBC supports feasibility assessment, analytic execution, and preparation of results.
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Authorship Principles

Authorship will follow ICMJE guidelines, requiring: 1. Substantial contribution to conception/design, data acquisition, analysis, or interpretation 2. Drafting or critical revision of the manuscript 3. Final approval of the submitted version 4. Accountability for the integrity of the work

Authorship Structure

- **Lead (First) Author:** Proposing investigator or designated trainee; responsible for manuscript drafting and timelines
 - **Senior (Last) Author:** Provides scientific oversight and mentorship
 - **Co-Authors:** Selected based on meaningful intellectual contribution
 - **Group Authorship:** Multi-center studies may list “SVIN Registry Investigators,” with site contributors listed separately
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Site Representation and Authorship Metrics

To promote transparency, equity, and accountability in authorship allocation, the SVIN Registry will employ an annual, data-driven authorship metrics framework based on site-level patient contribution.

Annual Site Contribution Review

- On an annual basis, the Publications & Scientific Oversight Core (PSOC) will review each participating site’s patient contribution to the SVIN Registry.
- Contribution metrics will be based on the number of patients submitted to the Registry during the preceding calendar year, adjusted as appropriate for data completeness and quality.

Site Tier Classification

Based on annual contribution volume, sites will be categorized into one of three tiers:

- **Top-Tier Sites:** Eligible for up to **4 authors** per year on Registry publications
- **Mid-Tier Sites:** Eligible for up to **3 authors** per year on Registry publications
- **Lower-Tier Sites:** Eligible for up to **2 authors** per year on Registry publications

Tier assignments will be reviewed and updated annually.

Application to Annual Publications

- For each publication year, the PSOC will work directly with participating sites to ensure that authorship allocation across all Registry manuscripts reflects the site’s tier designation.
- Authorship allocation is cumulative across publications within a given year and is not guaranteed on every individual manuscript.
- Authorship will continue to require meaningful intellectual contribution and adherence to ICMJE criteria; tier designation establishes eligibility, not automatic authorship.

Project Leadership Bonus Authorship

- In addition to tier-based authorship eligibility, sites that **lead a Registry project or manuscript** may receive **1–2 additional authorships** for that specific paper.
- Project leadership authorships are determined by the PSOC based on demonstrated leadership, manuscript responsibility, and project execution.

This structured authorship framework ensures fair recognition of data contribution while preserving scientific integrity, flexibility, and accountability across the Registry.

Timelines and Accountability

- Manuscript drafts must be circulated within **30 days of receiving finalized analytic results**.
 - The PSOC is responsible for coordinating and overseeing the submission process, in close collaboration with the leading project authors, with the expectation of timely and responsive communication.
 - Following journal peer review, the leading project and DMBC will work jointly to address reviewer comments, update analyses as needed and prepare a revised manuscript.
 - Revised manuscripts should be resubmitted within **15 days** of receipt of reviewer comments, unless an extension is approved by the PSOC.
 - Failure to meet timelines without prior communication may result in reassignment of authorship roles or temporary restriction on new proposals until completion of pending manuscripts.
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Review and Approval

All scholarly products must be reviewed and approved by the PSOC prior to submission. Review is intended to be efficient and facilitative.

Industry-Supported Research

- Investigator independence and publication rights are preserved.
 - Funding sources and conflicts of interest must be disclosed.
 - Authorship decisions remain under SVIN Registry governance.
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Industry Partnerships and Sustainability

The SVIN Registry will actively pursue partnerships with industry to: - Serve as an external or historical control arm - Support post-market and comparative effectiveness research - Generate sustainable funding for Registry operations

All partnerships will adhere to SVIN governance policies, preserve scientific independence, and ensure transparency.

Summary

The guidelines establish a clear, scalable framework for SVIN Registry governance, analytics, and scholarly output. Through the coordinated efforts of the PSOC and DMBC, the Registry will deliver high-quality research, equitable investigator participation, efficient publication timelines, and sustainable growth—positioning SVIN as a leader in registry-based vascular and interventional neurology research.

Alhamza Al-Bayati, Sunil Sheth

On behalf of The SVIN Registry Committee