



Implementing the
NeuroVascular
Quality Initiative™
at Your Institution

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Overview of the NeuroVascular Quality Initiative®

The NeuroVascular Quality Initiative™ is designed to improve the quality of neurovascular health care by collecting and exchanging information through the Registry. The NVQI™ functions under the governance of the Society of NeuroInterventional Surgery™ Patient Safety Organization (SNIS PSO), which protects providers as they focus on quality improvement. The Patient Safety and Quality Improvement Act of 2005 (Patient Safety Act) authorized the creation of Patient Safety Organizations (PSOs) to improve the quality and safety of U.S. health care delivery. The Patient Safety Act encourages clinicians and health care organizations to voluntarily report and share quality and patient safety information without fear of legal discovery, need for patient consent or Internal Review Board (IRB) approval.

Using the M2S cloud-based data collection and reporting system, M2S PATHWAYS, participants collect a standard data set which permits real-time benchmarking of outcomes.

Participation in NVQI™ allows for the free exchange of information amongst participating institutions to increase patient safety and reduce costs, as well as provide opportunities for clinical research. Review of these data allows individual hospitals and physicians to understand their outcomes in the context of national benchmarks, and is able to define processes of care that effect outcome improvement.

The NVQI™ is designed as a comprehensive database that collects consecutive cases and follow-up information. The data points captured in the registry are specific and of great importance to hospitals and physicians, allowing for in-depth analysis to assess the quality of care and determine best practices. All specialists who perform the neurointerventional procedures collected in the NVQI™ database are encouraged to join.

The following information is a guide on the steps needed for implementing the NVQI™ in your institution. It will assist with involving the appropriate parties throughout the process.

Considerations for Joining the NVQI

This checklist is a guide to the steps your team needs to complete when getting started with the NVQI™. If more information is needed, contact your M2S representative. M2S will help you navigate through each step, providing the necessary resources.

Administration/Quality

- ✓ Elect the procedure modules your center will participate in
 - Current procedures: Acute Ischemic Stroke and Carotid Artery Stent
 - You can begin with one procedure module and add modules progressively as they become available
- ✓ Determine which physicians within your center will participate. Anyone performing the procedures collected in the NVQI is encouraged to join, but is not required.
- ✓ Secure financing based on your level of participation and the cost proposal from M2S
 - The cost to participate includes a one-time set up fee of \$5000 and an annual data management subscription fee. The cost for participation is \$1,550 per procedure module.
- ✓ Set-up a consultative conference call between all interested parties within your center and M2S. The conference call will provide an overview of the NVQI™, a demonstration of the database, discussion on workflow options for data entry, and answers to any questions/concerns your team would like addressed.
- ✓ Define the data entry workflow that best fits your center
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- ✓ Allocate the needed resource(s) for entering data
 - The NVQI™ does not require a full-time data entry person, but encourages electing an individual responsible for managing the data entry process.
- ✓ Determine internal quality initiatives and research projects of interest
- ✓ Sign the contracts provided by the M2S and PSO Contracting Teams
- ✓ Schedule your database training with the M2S PATHWAYS Support Team.

- ✓ **IT/Security**
- ✓ Obtain sign-off from your IT/Security team for implementing the NVQI into your center
 - Review the PATHWAYS security white paper
 - Review the PATHWAYS Security FAQs
- ✓ **Legal**
- ✓ Connect your legal team directly with the M2S and PSO Contracting teams
 - Joining the NVQI requires contracting with the SNIS PSO for data sharing arrangements and with M2S, the technology provider of the cloud-based database. For increased efficiencies with reviewing the contracts, it is best to connect your legal team with M2S Contracting early in the process.
 - The average length of the contracting process is 2-4 months

- ✓ Provide your legal team with the NVQI contracting FAQs

Additional Information for Administrators and Quality

The cornerstone of success in the NeuroVascular Quality Initiative is the use of comparative benchmarked reports of key quality measures to drive quality improvement and impact processes of care at the local level. As a hospital administrator, you have access to real-time standard and customizable benchmark reports. Through the M2S PATHWAYS cloud-based clinical data performance platform, these reports are available anytime and can be run as frequently as desired.

In addition to the primary goal of improving outcomes and reducing costs, several secondary gains are realized through participation in the NVQI, such as:

- More meaningful and productive discourse in quality improvement conferences
- Empowered decision making, with increased physician and institutional awareness for improving patient care and processes of care
- The use of registry data for evaluation of neurointerventional procedures and device efficacy
- Availability of high quality, validated data for clinical research

Available Resources

- Data Entry Workflow Considerations
- M2S PATHWAYS Database Security White Paper
- M2S PATHWAYS Security FAQs
- NVQI Contracting FAQs
- Data Validation Process
- NVQI Inclusion/Exclusion Criteria and Codes

For more information on the NVQI Registry, please contact the Account Team on 603.298.5509 extension 331 or by email on NVQI@m2s.com. Or see the SNIS website www.snisonline.com/NVQI