New York State Stroke Designation Program Presentation to PHHPC

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Introduction
Current NYS Stroke Designation

• Currently 120 hospitals are designated as NYS Stroke Centers
  • Program is voluntary and not in regulation
  • NYS DOH evaluates and designates stroke centers
  • Designation is limited to Primary Stroke Center level
  • EMS stroke protocol includes triage to NYS designated centers
• Program includes NYS stroke care data collection and improvement
  • >90% strokes were treated at NYS Stroke-designated hospitals
  • NYS stroke mortality 2nd lowest in nation
Risk Adjusted Mortality Rates, by Volume and Designation, 2013

Stroke RAMR and 95% Upper and Lower Bounds for the Confidence Intervals
Limitations of NYS Stroke Designation Program

- Challenges for alignment with evolving stroke guidelines and evidence
- Lack of regulation to guide DOH in administering the current program
- Lack of designation of higher levels of care, with consequent hospital pursuit of external accreditation
- Voluntary program, does not give the State the authority to be the only entity to designate
- Process might be insufficient to ensure program integrity
Current NYS Stroke Care Landscape

• 10 hospitals recognized as Comprehensive Stroke Centers by national accrediting organizations
• 37 hospitals performed intracranial endovascular procedures 2016-17
• EMS regions have begun implementing pilots for triage to higher-level stroke centers for suspected large vessel occlusions
New York State Stroke Designated Centers by EMS Region

Note: One facility that is not Comprehensive or Primary Stroke Designated performed an endovascular procedure.
Problem Statement:

NYSDOH requires regulations for the Stroke Program to

- Incorporate designation of tiered levels of centers (primary and higher level stroke centers) with regular re-designation
- Remain up-to-date with stroke guidelines and recommended treatment
- Require approval of accrediting organizations in NYS to ensure the criteria used for stroke center certification are consistent and meet the requirements of NYS.
NYS DOH Goals:

- Ensure access to quality, evidence-based stroke care for all patients across all levels of stroke center designation throughout NY State
- Establish a framework to support regional operationalization of transport processes for suspected stroke
- Continue full reporting of data for evaluation and monitoring of systems of stroke care
Stakeholder Involvement:

- NYS DOH
- Stroke Advisory Group
- GNYHA/HANYS/Iroquis
- Rural Hospitals
- AHA
- EMS
- SEMAC
- Rural Hospitals
- AHA
- EMS
- SEMAC
NY Stroke Designation Program Proposal
NYS Stroke Center Designation Regulation

- Continue as voluntary program for hospitals (not a requirement)
- Require NYSDOH criteria for stroke center certification by accrediting organizations in NYS
- Require that NYSDOH be given access to comprehensive data from the designated stroke centers (performance measures and time targets)
- Require designated stroke centers to participate in quality initiatives
- Establish processes for withdrawing designation from the hospitals
- Recognize a transition period for existing stroke centers
NY State Stroke Center Designation Regulation

NYS DOH approves accrediting organizations for stroke center certification

Approved organizations certify NYS stroke hospitals

NYS DOH designates based on recommendation from approved organizations
Accrediting Organizations

- Currently 4 accrediting organizations certify stroke centers nationwide (TJC/AHA, DNV, HFAF, CIHQ)
- Can apply to NYS for time-limited approval to certify centers in NYS
  - Application and approval process will include NYS DOH review of accrediting organization applications to ensure the certification program includes the NYS stroke center criteria determined by the Stroke Advisory Committee
- Designation process includes periodic re-designation reviews
Stroke Center Levels

- Primary Stroke Center
- Thrombectomy Capable Stroke Center
- Comprehensive Stroke Center
Data Collection

- Accrediting organizations will agree to collect all required data and measures and allow facilities to submit the required data to NYSDOH.
- For evaluation and comparison of results, all hospitals with any level of stroke designation will provide data so NYSDOH can monitor timely treatment and outcomes for patients experiencing strokes.
- Data requirements are informed by Stroke Advisory Group input.
Time Frame for Stroke Centers to Transition

- NYS Stroke Centers have two years to initiate the certification process with an accrediting organization approved by NYS to certify stroke centers.

- Once the process is initiated, existing stroke centers have one year to complete the certification process with the approved accrediting organization and receive DOH designation.

- Existing stroke centers that have not initiated the certification process with an approved accrediting organization within two years of the regulations being approved will lose designation as a NYS stroke center.
Questions