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Quality Residency Capstone

Nemaha County Hospital

Maxcey Smith, RN, BSN

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Team

- Providers and nursing staff are already familiar with the NIHSS but documentation of initial NIHSS is inconsistent. Initial documentation allows for an objective measurement of changing clinical status to staff, provider and advanced stroke team. Our goal is to ensure the stroke patient is evaluated and receives quality treatment in time.

AIM Statement

- What is your AIM Statement
 - Our aim is to improve the percentage of documentation of initial NIH stroke scale for stroke patients. Specifically, we want compliance of documentation of NIHSS to be 70% by September, 2022.

Measures

- Establishing Measures
 - % of documentation of initial NIHSS

Selecting Changes

- What changes can you make that will result in improvement
 - In addition to asking what the quantitative measure of documentation of initial NIHSS from nursing staff compliance is, we will also attempt to assess reasons why documentation of initial NIHSS is not occurring.

- • % documented advanced notification received from EMS
- • % documented stroke symptoms identified by EMS on E-NARSIS
- • % documented stroke scale used by EMS on E-NARSIS
- • % documented time from door to CT

PDSA

- Describe your PDSA cycles
 - For this project, we will have baseline data from November 2020 to July 2022. We had educational outreach opportunities with nursing staff/providers regarding the importance of using and documenting the NIHSS with a stroke patient in August 2022. Continuation of auditing stroke charts every month and gathering data. Report back to nursing staff/providers at clinical staff in November 2022.

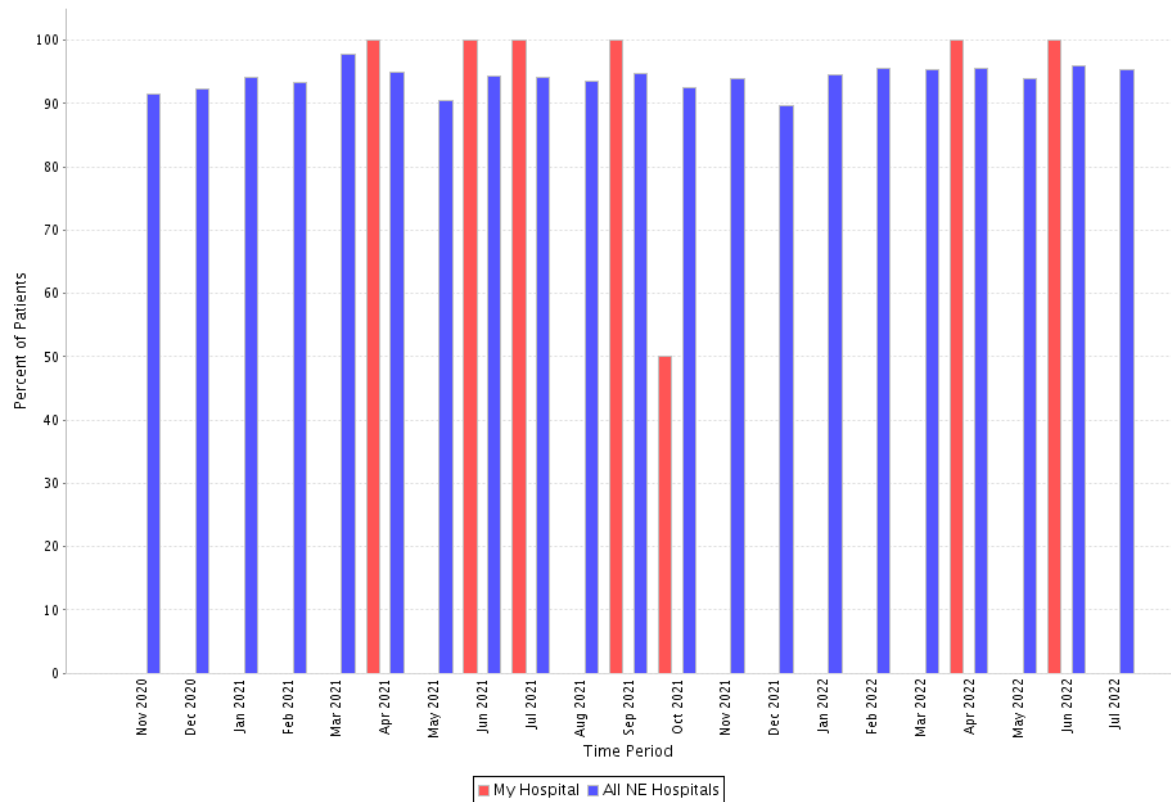
Data

NIHSS Reported

Percent of ischemic stroke and stroke not otherwise specified patients with a score reported for NIH Stroke Scale (Initial)

Time Period: Nov 2020 - Jul 2022; Site: Nemaha County Hospital (34831)

Diagnosis: Ischemic Stroke; Transient Ischemic Attack (< 24 hours); Subarachnoid Hemorrhage; Intracerebral Hemorrhage; Stroke not otherwise specified;



Spreading Changes

- After the first goal of 70% is met, the goal will be raised to 90% to be more aligned with other NE hospitals. When we have consistently met our goal of 90% or higher, I will reach out to local rescue squads to educate the importance of advanced notification and using a stroke scale on scene.

Questions?

Maxcey Smith

msmith@nchnet.org

402-274-6147

References

- IHI: The Science of Improvement: How to Improve
<http://www.ihi.org/resources/Pages/HowtoImprove/ScienceofImprovementHowtoImprove.aspx>
- Langley GL, Nolan KM, Nolan TW, Norman CL, Provost LP. *The Improvement Guide: A Practical Approach to Enhancing Organizational Performance* (2nd edition). San Francisco: Jossey-Bass Publishers; 2009.
- The Plan-Do-Study-Act (PDSA) cycle was published by W. Edwards Deming in *The New Economics for Industry, Government, and Education* [Cambridge, MA: The MIT Press; 2000]. For more on the development of the PDSA cycle and how it differs from PDCA, see: Moen RD, Norman CL. *Circling back: Clearing up myths about the Deming cycle and seeing how it keeps evolving.* *Quality Progress*. November 2010.