Get With the Guidelines

Aspirus Medford Hospital & Clinics- Data Utilization

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ASPIRUS™
Passion for excellence.
Compassion for people.

Data Collection

➤ Stroke data is abstracted retrospectively on all patients with a stroke diagnosis

  GWTG Stroke Database through WI Coverdell Stroke Program

   ➤ Re-abstractions for Interrater Reliability
   ➤ Post-Discharge Follow-up

• Allocation of Time & Resources
  – Stroke Coordinator:
    • Individual charts abstracted from EMR and submitted in GWTG database quarterly
      – ½ - 1 Hour allocated to each patient chart
        » Average 8 patient charts per month
    • Post-Discharge Calls and Data entry – ½ hour each call/chart

  – Re-abstractor RN:
    • 4-5 patient charts per Quarter
      – Hour dedicated to each chart abstraction/data entry

The Value of Data

Acute Stroke Ready Certification by The Joint Commission

The Joint Commission
ASRH Measures

➢ ASR-OP-1 Thrombolytic Therapy – Inpatient

➢ ASR-IP-2 Antithrombotic by End of Day 2

➢ ASR-IP-3 D/C on Antithrombotic Therapy

➢ ASR-OP-1 Thrombolytic RX: Drip 'n Ship

➢ ASR-OP-2b Door to Transfer: Hemorrhagic

➢ ASR-OP-2c Door to Transfer: Drip 'n Ship

➢ ASR-OP-2d Door to Transfer: No t-PA

Aspirus Medford – Data Driven

➤ All data is shared:

   AMH Stroke Committee meetings
   Abstractor to Provider (real-time positive & negative)
   Medical Director to Provider
   Quality Assurance and Performance Improvement

➤ Data from all Code Stroke patients is analyzed and summarized into a *Code Stroke Summary* and *The Reperfusion*.

➤ Emergency Department and Inpatient metrics are shared on Code Stroke patients with:

   Emergency Department Staff and Physicians
   Medical/Surgical Inpatient Unit Staff and Hospitalists
   Stroke Committee

Sample Code Stroke Summary

83-year-old male 9/29/2020

- Last Known Well < 24 hours   45 minutes
- Door to ED MD: <10 minutes   upon arrival
- Door to CT: <25 minutes   6 minutes
- Door to CT resulted: <45 minutes   32 minutes
- Door to Alteplase: < 60 minutes   46 minutes
- NIHSS documented Yes (24)
- NPO until bedside swallow assessment Yes
- Vitals and Neuro checks Q15 Yes
- Comments:
- Awesome work!

Sample of Our Stroke Publication

THE REPERFUSION

Stroke Care: September - October 2020

- Total Strokes: **19**; Sept - 11, October - 8
  - o Hemorrhagic - 1
  - o Ischemic – 12
  - o TIA – 6
- Code Stroke Activations:
  - o **September** – total 14 Activations:
    - ▪ 9 – Stroke dx; 5 – Rule-Out Activations; 1 – CVA missed
  - o **October** – total 14 Activations:
    - ▪ 7 – Stroke dx; 7 – Rule-Out Activations

- **Alteplase (tPA)**:
  - o **September** – 1 total – 46 minutes door to needle!
  - o **October** – 3 total! – 80 min, 66 min, and 77 minutes door to needles
    - ▪ *Busy couple of months – Way to go Everyone!*
  - o **Goal = Door to tPA < 60 minutes "Think brain pins!"** 😊
- Transfers - **12**
- Admits – **4**
- Discharged directly to Home from ED – 3 **(few AMAs)**
  - o **Goal = Admission/Transfer for further Stroke work-up**

Continue the Flow - *Nursing Tips*

- **SOC TeleStroke** consults for *Last Known Well Time < 24 hours* & *Status Epilepticus* only (No pediatric consults)
- **Thrombectomy candidates** 'should be' automatic and immediate transfers to Primary or Comprehensive Stroke Centers

B.E.F.A.S.T.
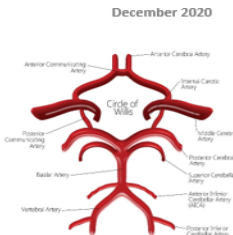
- o aka: MMC, Sacred Heart or Mayo in Eau Claire, UW-Madison, AWH (no 24/7 capabilities at this time), Aurora-Green Bay, etc.
- **Keep up the Great Documentation in the patient's care timeline!** i.e. Any delays, consults (re-calls), changes in pt status, transport issues, pt/family interactions, B/P management, etc.
  - o *This significantly impacts how the patient's chart is interpreted/audited and paints the picture of our interventions/cares provided*
    - ▪ Remember "Not Documented = Not Done" – Let's show 'em we're going above and beyond! 😊

What's Stopping the Flow?

- ➤ **Blood Sugars** – missing/not documenting w/in 30 minutes of arrival to ED
  - o Document EMS blood sugars!
- ➤ **Dysphagia/Swallow** screen – needs to be completed/documented prior to ANY oral intake/medications!
- ➤ **Correct Patient Info for SOC consults** – please make note we need the E# and CSN# in the right place on the consult
  - o *This ensures the SOC Neurologist's consults are entered into Epic w/in 30 minutes after consult; if there is no consult in Epic – Call SOC Helpdesk to request it be faxed or entered into Epic! (Review SOC Consult Tip Sheet)*

Remember to...

- Code Stroke Over-head Page & Page via American Messaging
- RN & Monitor Vitals in CT/CTA
- Doc. Code Stroke Activation in *Code Stroke Flowsheet*
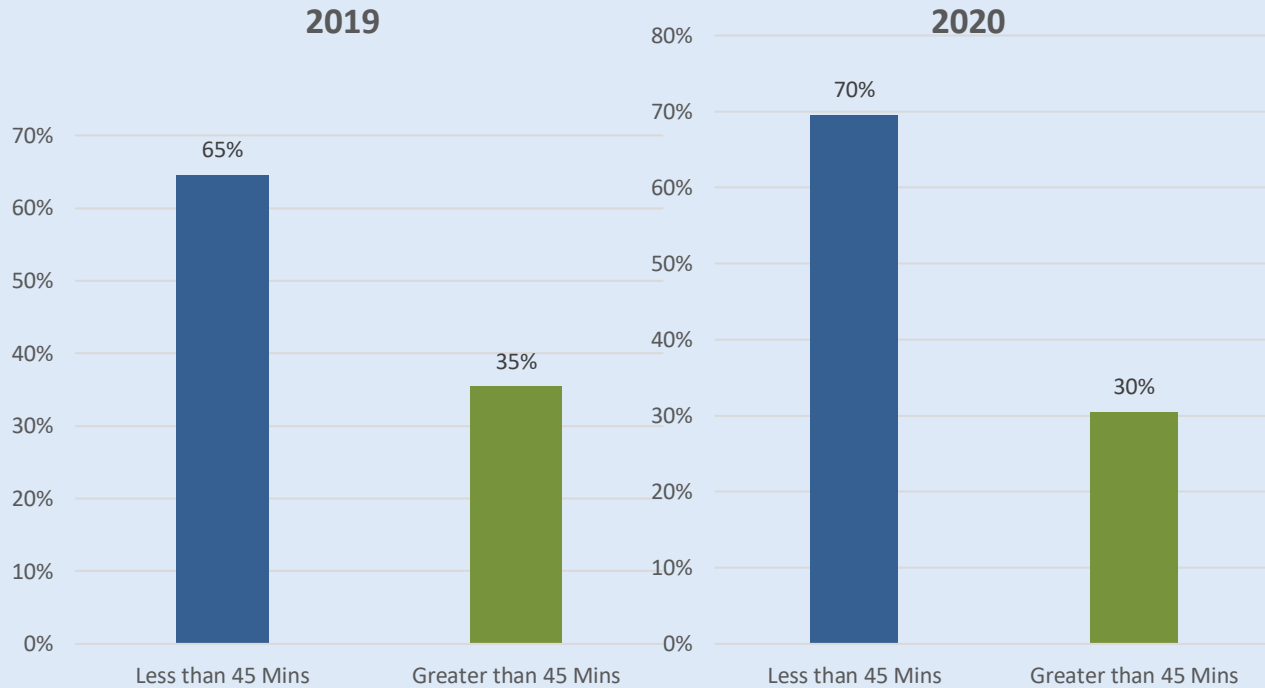- Start 2 IV's prior to tPA – 18g R AC for CTA

B.E.F.A.S.T.

Performance Improvement
2019 Top Stroke Initiatives

✓ Door to Head CT Read Time < 45 Minutes

✓ Tele-Stroke – SOC Consult for all Code Strokes

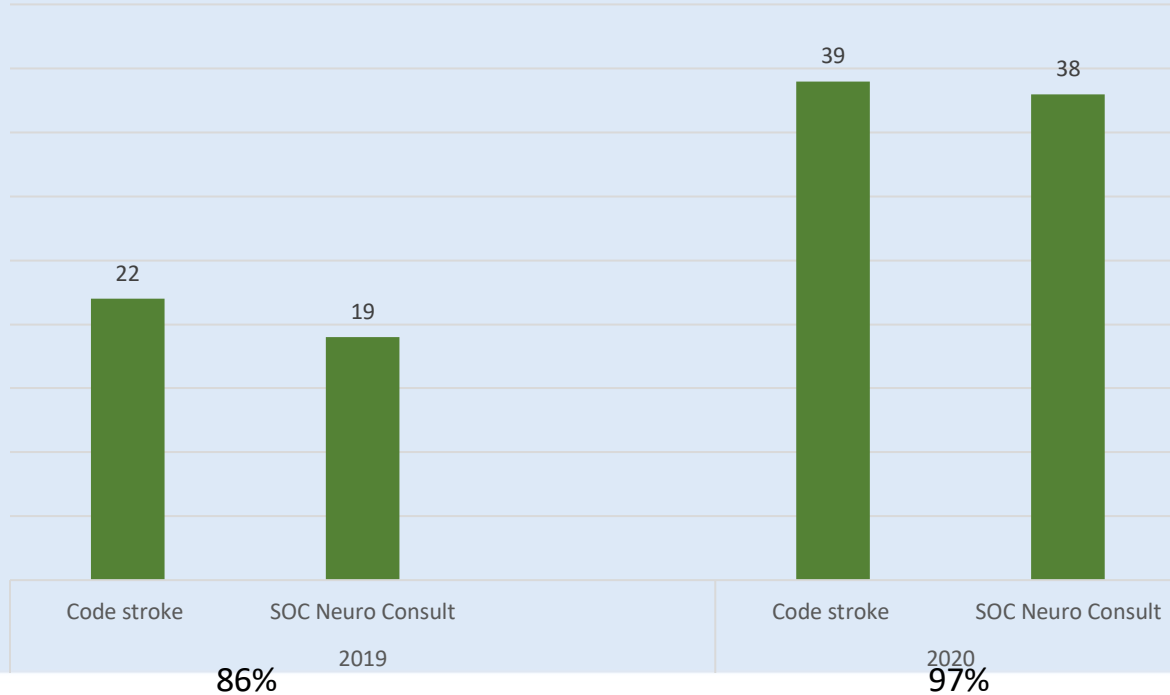✓ Code Stroke Activations – Increase Code Stroke activations to capture atypical Stroke presentations

Stroke Performance Improvement Data

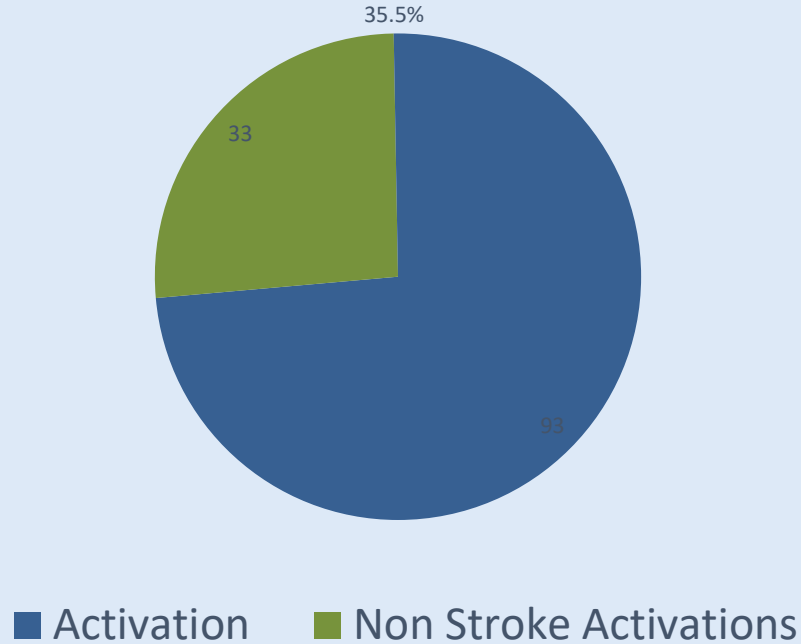Door to Head CT or MRI Read Time <45 Minutes

2019

- 65% — Less than 45 Mins
- 35% — Greater than 45 Mins

2020

- 70% — Less than 45 Mins
- 30% — Greater than 45 Mins

Tele-Stroke – Code Stroke Consults

SOC Consults

	2019		2020
Code stroke	SOC Neuro Consult	Code stroke	SOC Neuro Consult
22	19	39	38

86%   97%

Stroke Activations

Stroke Rule-Out Activations 2019-2020

35.5%

33

93

■ Activation   ■ Non Stroke Activations

Performance Improvement
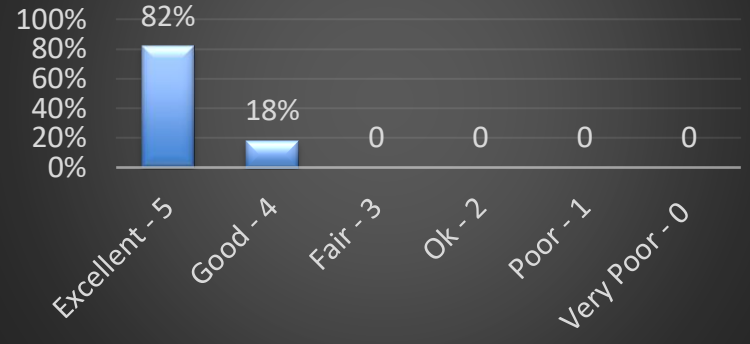## Additional Stroke Initiatives

- ✓ **Discharge Calls to Inpatient Stroke Patients:** Get With The Guidelines (GWTG) partner September 2020, grant for home B/P

- ✓ **Dysphagia Screen:** RN competencies

- ✓ **NIHSS Documentation:** Consistent with SOC consults

- ✓ **24/7 CT/CTA capabilities:** As of September 2020

- ✓ **Blood Sugar & INR within 30 minutes of arrival:** RN checklist

- ✓ **EMS Pre-Notification:** Coverdell partner 2019

- ✓ **Door to Needle < 60 minutes:** Brain pin recognition & Stroke target
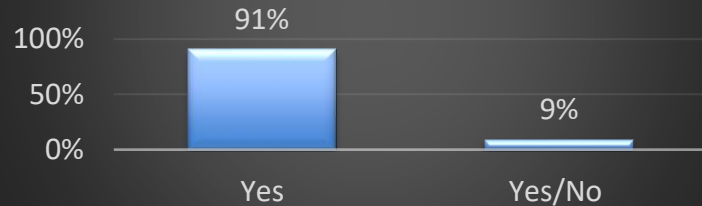
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Stroke Patient Satisfaction

Patient Satisfaction 2020 Overall ED Care

- Excellent - 5: 82%
- Good - 4: 18%
- Fair - 3: 0%
- Ok - 2: 0%
- Poor - 1: 0%
- Very Poor - 0: 0%
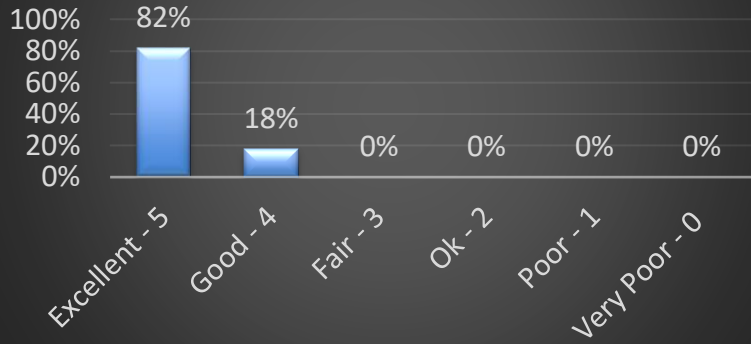
Patient Satisfaction 2020 Med/Surg Care

- Excellent - 5: 82%
- Good - 4: 18%
- Fair - 3: 0
- Ok - 2: 0
- Poor - 1: 0
- Very Poor - 0: 0

Patient Satisfaction 2020 Prepared you for Home Life After Stroke

- Yes: 91%
- Yes/No: 9%

13

Thank-you.