

Quarter 2, 2019 Report

There were **3,814** strokes in Quarter 2

5%
Of strokes were subarachnoid hemorrhages

89% of patients received IV-tPA within 60 minutes

Discharge

- 13% of patients had no symptoms at discharge
- 16% of patients had moderate to severe disability
- The average length of stay was 6 days

7%
Of strokes were transient ischemic attacks

73% of strokes were ischemic

13%
Of strokes were intracerebral hemorrhages

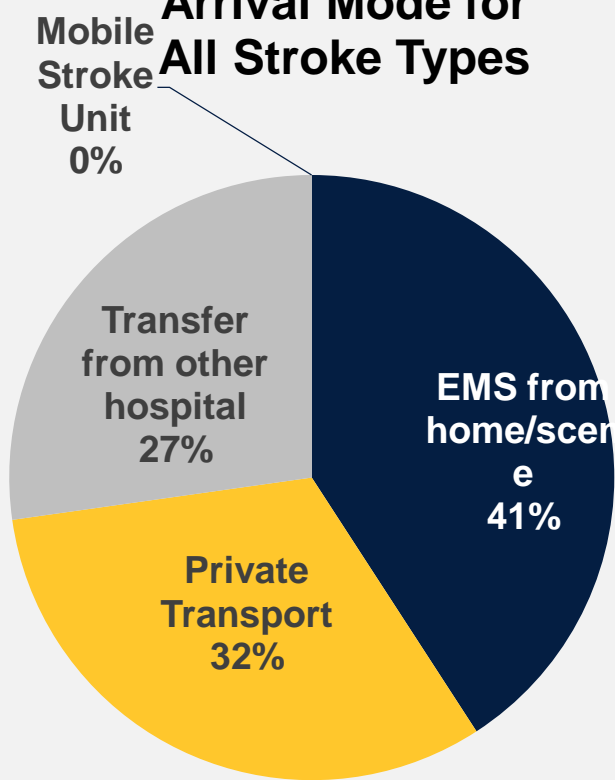
Top Reasons for no IV rt-PA initiation:

1. Rapid improvement
2. Mild Stroke
3. Acute bleeding diathesis

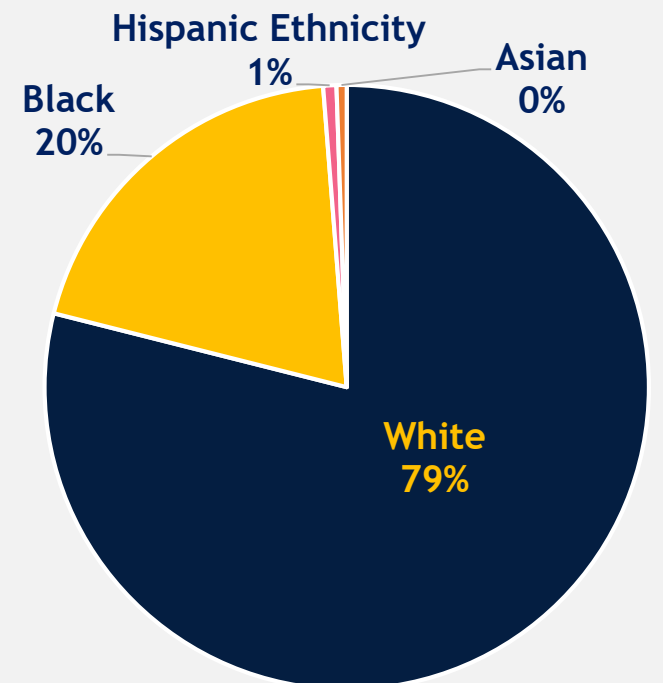
Top Reasons for IV rt-PA initiation beyond 60 minutes:

1. Hypertension
2. Care-team unable to determine patient eligibility
3. Refusal

Arrival Mode for All Stroke Types



Race



Age

- 48% of strokes occurred in those ages 66-85
- 34% occurred in those age 46-65

Arrival Times

- Most patients arrived at the hospital in over 300 minutes via private transportation (29%)
- 22% of patients via EMS services arrived in over 300 minutes

Risk Factors

- The most common co-morbidities among stroke patients were:
1. Hypertension
 2. Dyslipidemia
 3. Diabetes

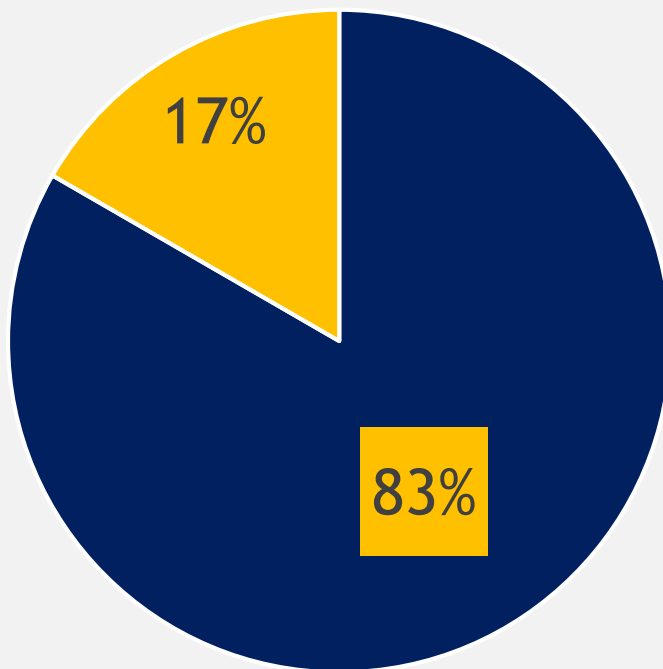
Advanced Stroke Care

Data :
Quarter 2, 2019
April to June

Nimodipine Treatment Administered

Quarter 2, 2019

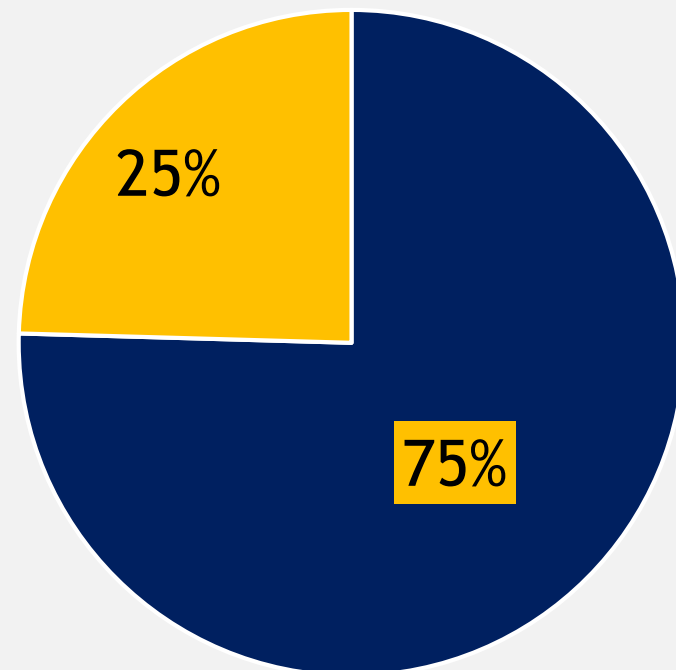
■ Percent of Patients ■ Non Percent



Timeliness Of Reperfusion: Arrival Time to TICI 2B or Higher

Quarter 2, 2019

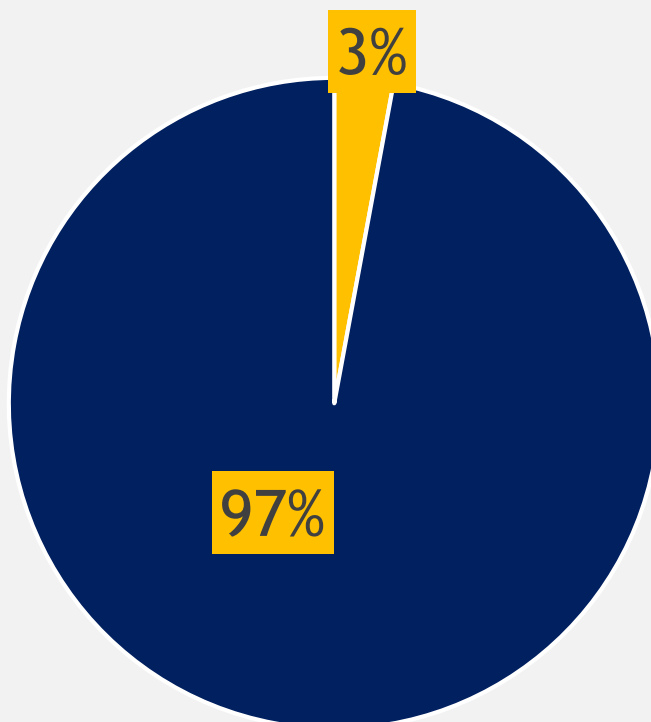
■ % of Patients ■ Non Percent



Hemorrhagic Transformation (Overall Rate)

Quarter 2, 2019

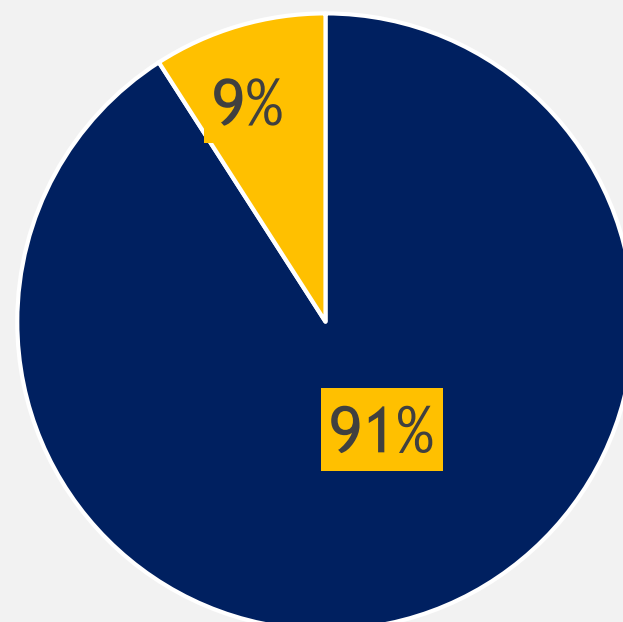
■ % of Patients ■ Non Percent



Procoagulant Reversal Agent Initiation for Intracerebral Hemorrhage (ICH)

Quarter 2, 2019

■ % of Patients ■ Non Percent



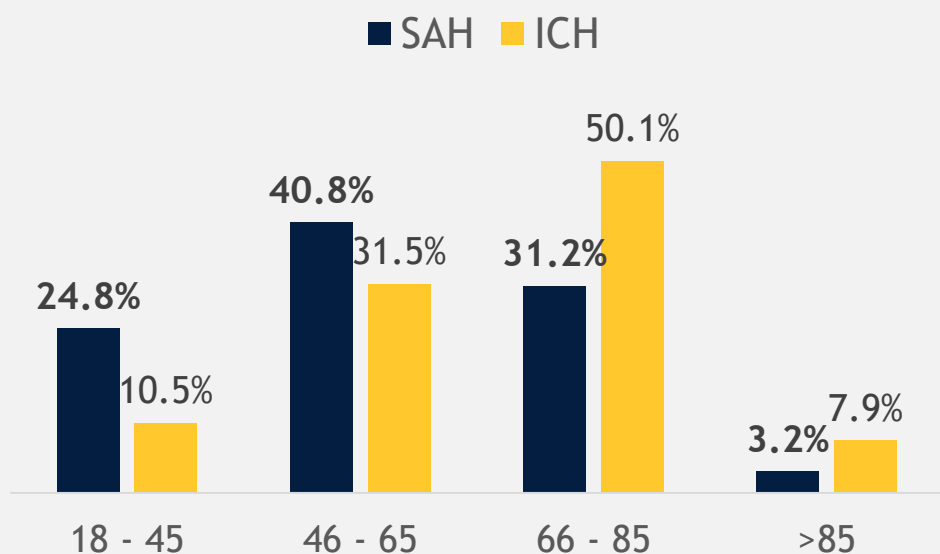
Hemorrhagic strokes

Subarachnoid (SAH) and Intracerebral Hemorrhages (ICH)

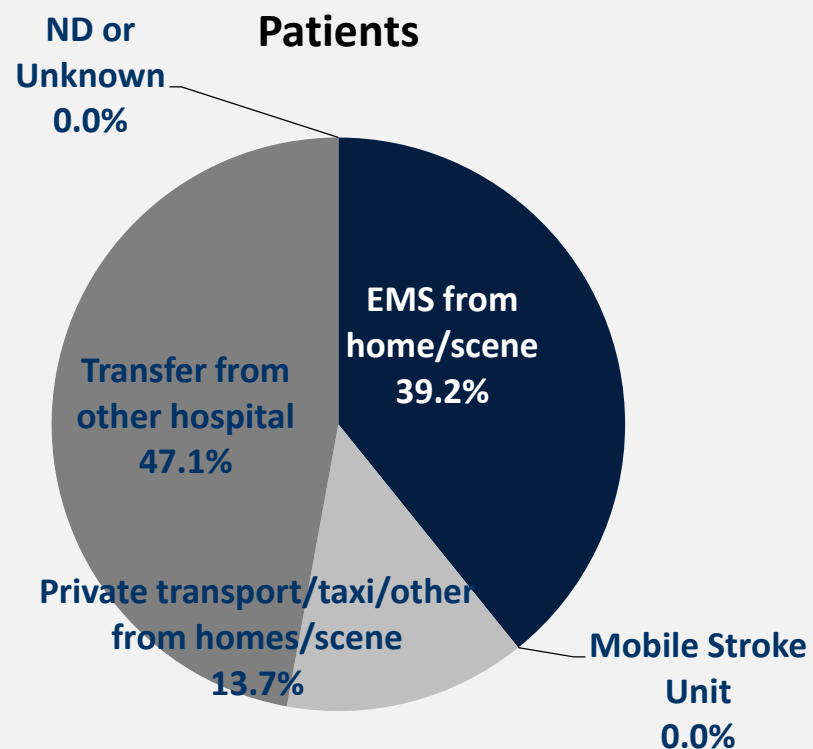
Data:

Quarter 2, 2019:
April to June

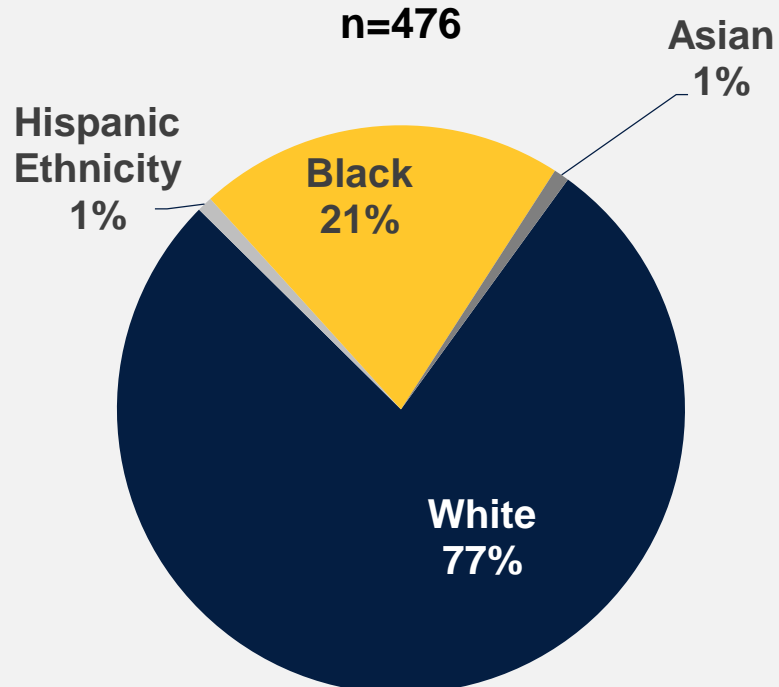
Comparison of Age Distributions



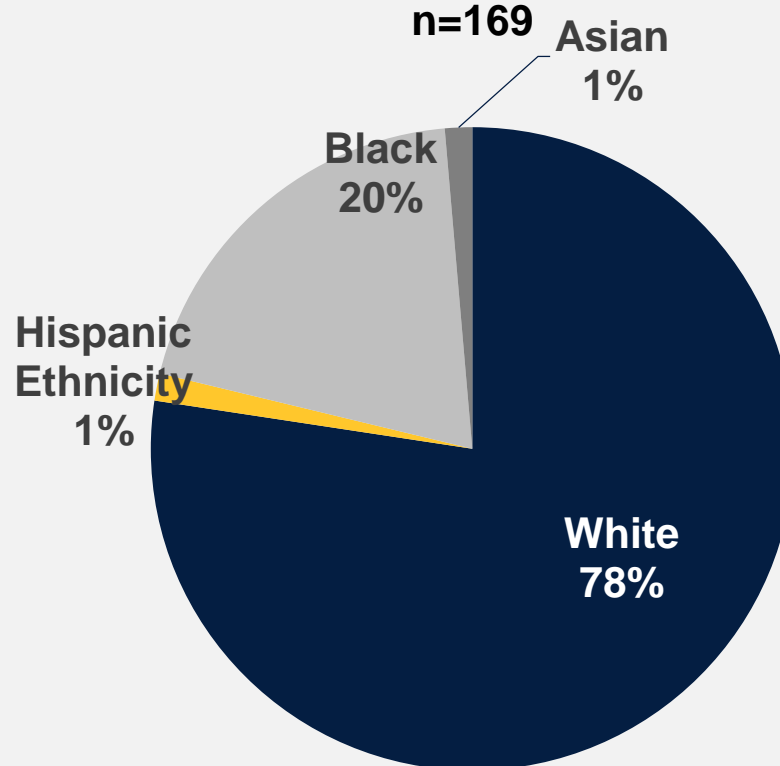
Arrival Mode among Hemorrhagic Stroke Patients



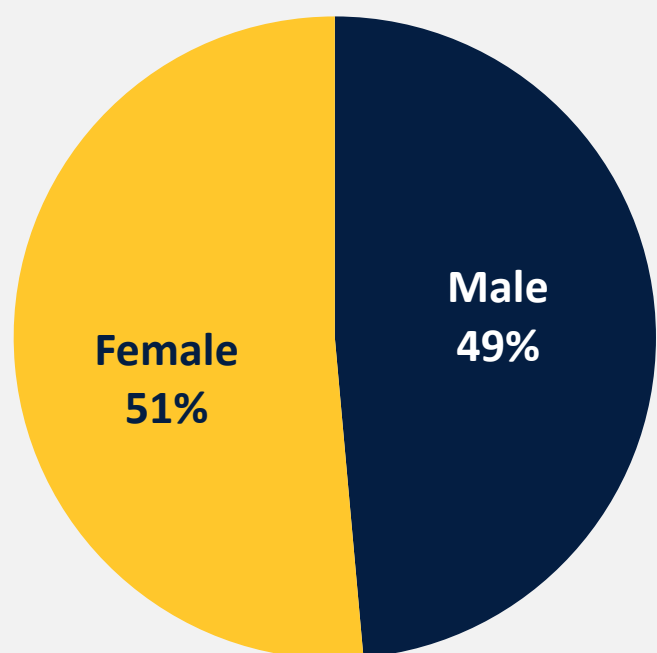
Race ICH
n=476



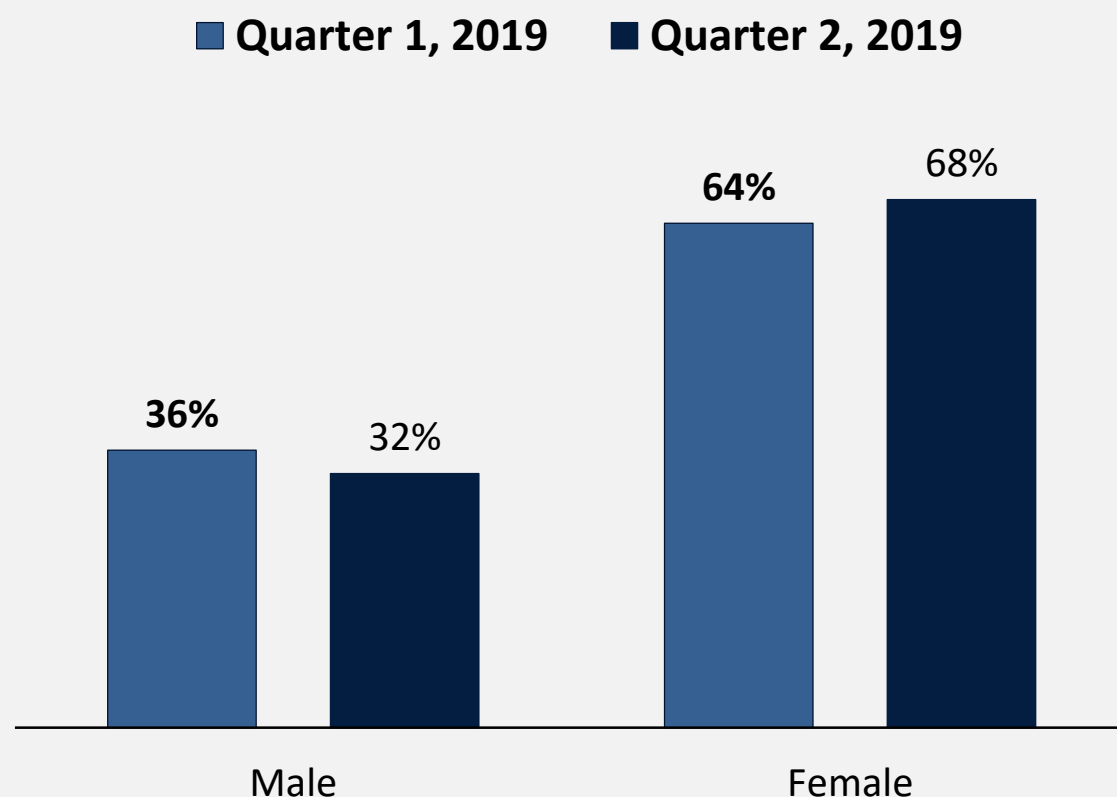
Race SAH
n=169



Gender Distribution ICH
n =476



Gender Distribution SAH



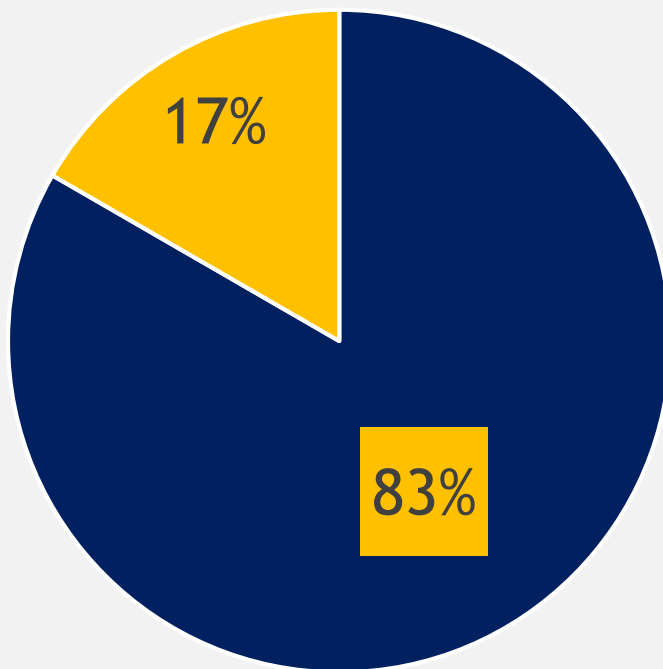
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Quarter 2, 2019

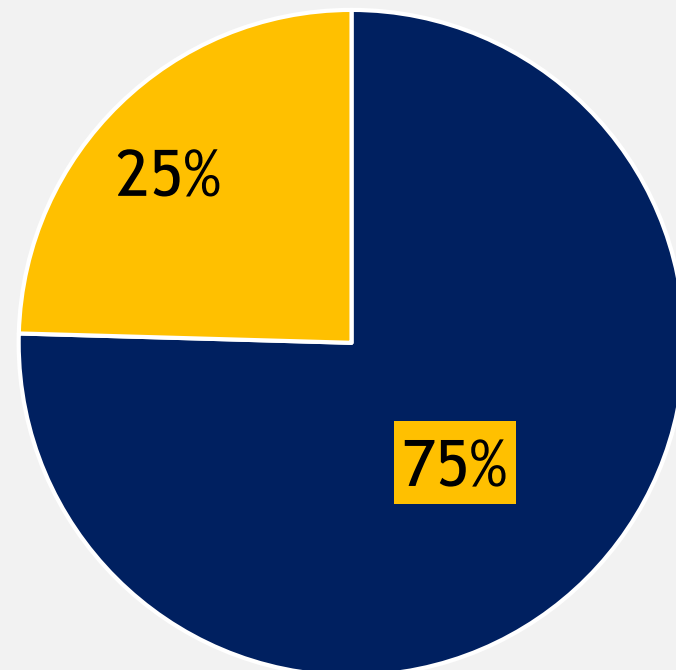
■ Percent of Patients ■ Non Percent



Timeliness Of Reperfusion: Arrival Time to TICI 2B or Higher

Quarter 2, 2019

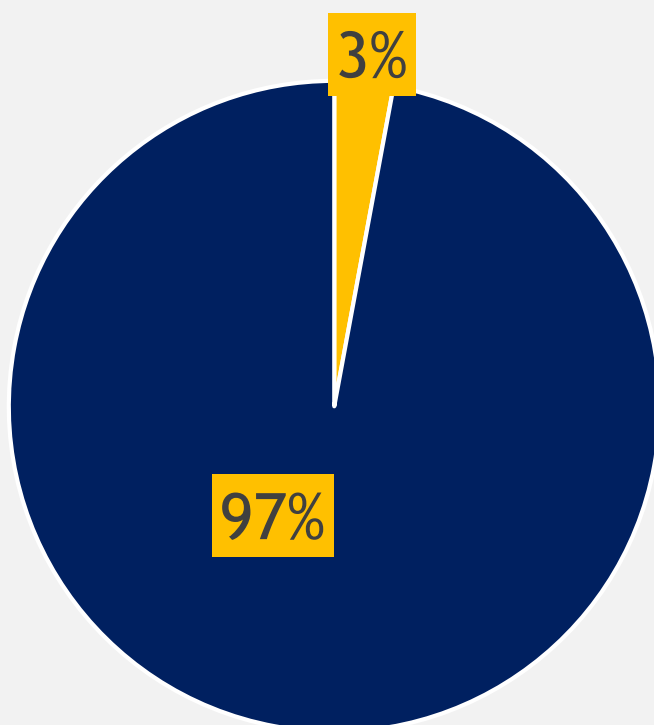
■ % of Patients ■ Non Percent



Hemorrhagic Transformation (Overall Rate)

Quarter 2, 2019

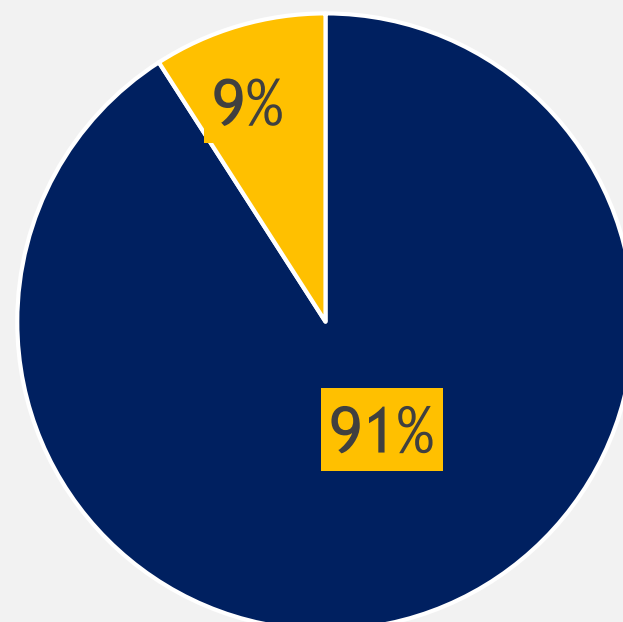
■ % of Patients ■ Non Percent



Procoagulant Reversal Agent Initiation for Intracerebral Hemorrhage (ICH)

Quarter 2, 2019

■ % of Patients ■ Non Percent

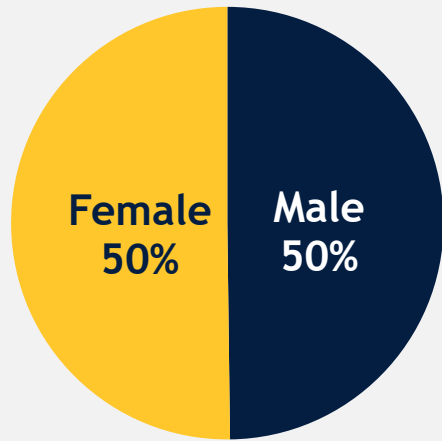


Ischemic Strokes

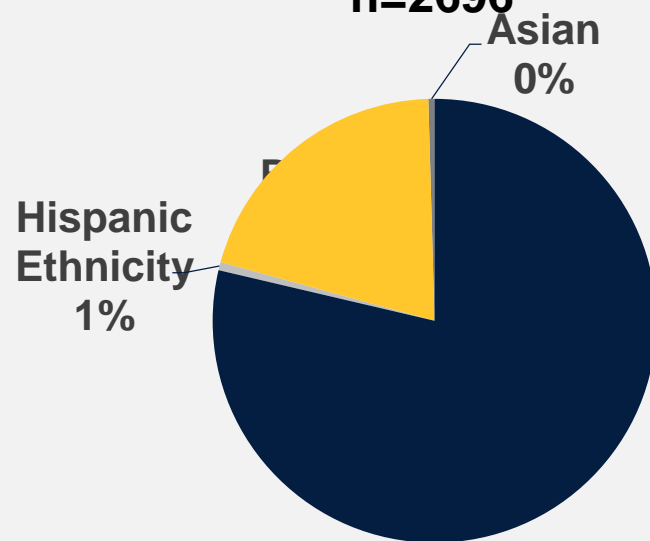
Data:

Quarter 2: April to June to 2019

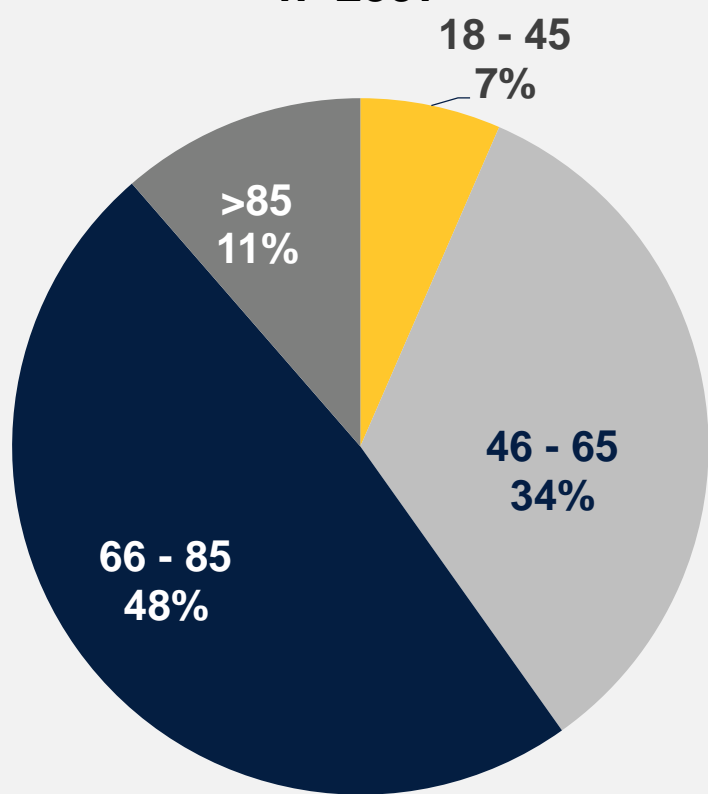
Gender
n = 2693



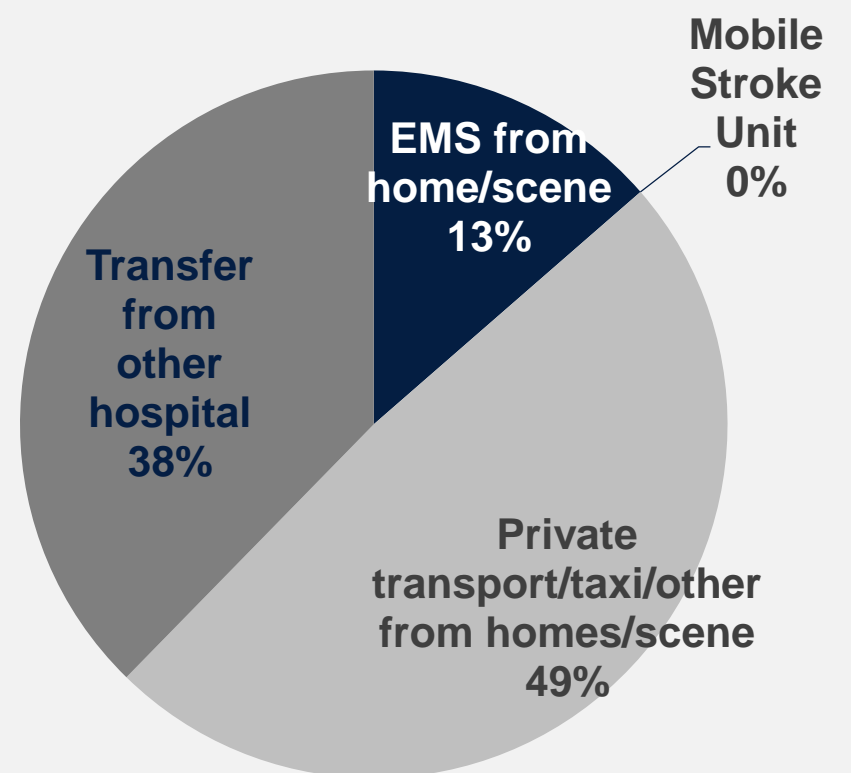
Race
n=2696



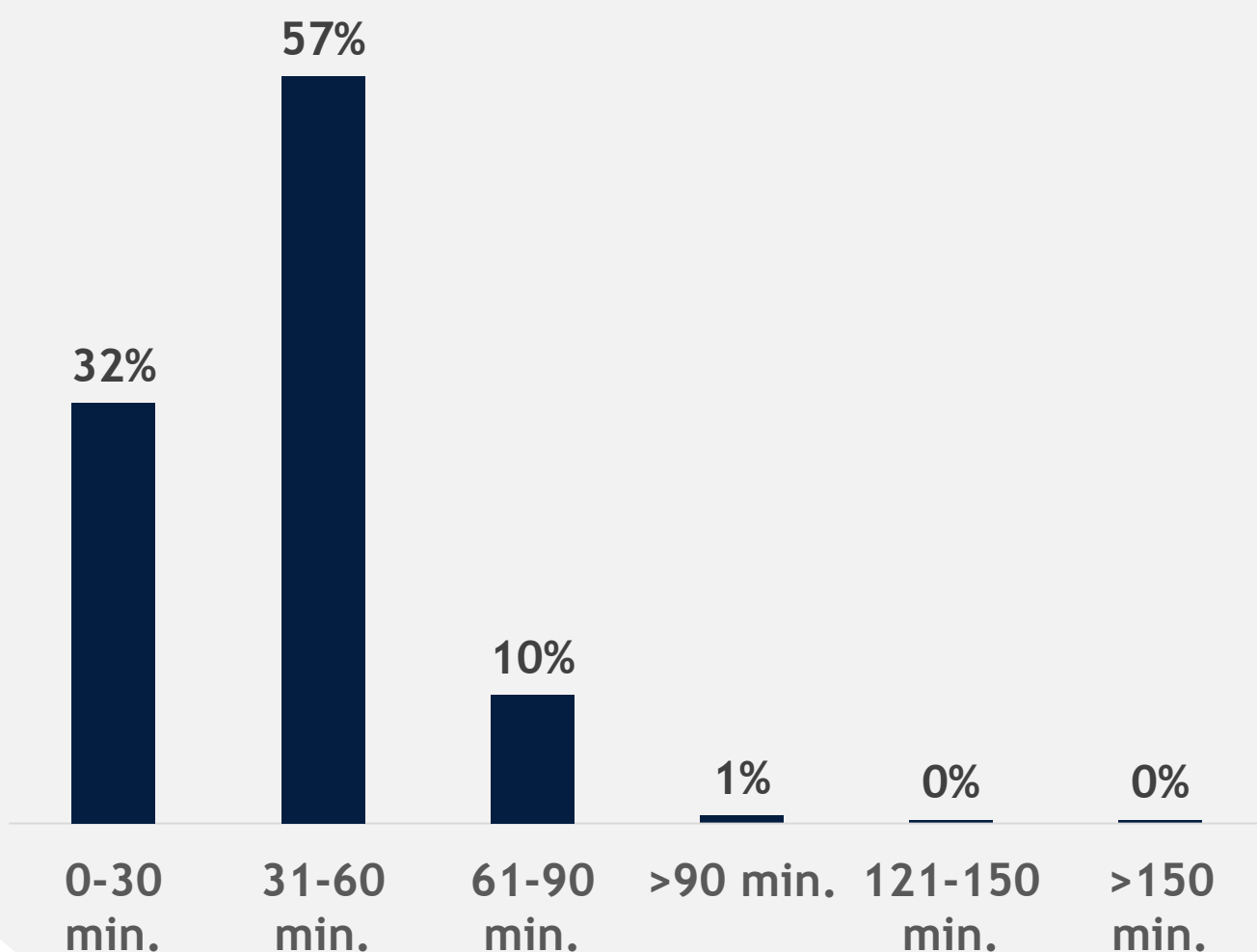
Age
n=2397



Arrival Mode Among Ischemic Stroke Patients
n=2325



Door to IV-rTPA Times
n=301



Discharge

- 14% of patients had no symptoms at discharge
- 16% of patients had moderate to severe disability
- The average length of stay was 6 days

For more information, the full annual report is available on the TSR website:

https://www.etsu.edu/cph/biostat_epidemiology/tnstroke.php

Email: strokeregistry@etsu.edu

*Data reported are based on the data provided to the Tennessee Stroke Registry from reporting hospitals and may not be inclusive of all strokes in the state of Tennessee