

Quarter 1, 2020 Report

Data:

January to March 2020

There were
5,740 strokes in
Quarter 1

4%

Of strokes were
subarachnoid
hemorrhages

96% of
patients
received IV-
tPA within 90
minutes

Discharge

- 11% of patients had no symptoms at discharge
- 16% of patients had moderate to severe disability
- The average length of stay was 5 days

12%

Of strokes were
intracerebral hemorrhages

7%

Of strokes
were
transient
ischemic
attacks

71% of
strokes
were
ischemic

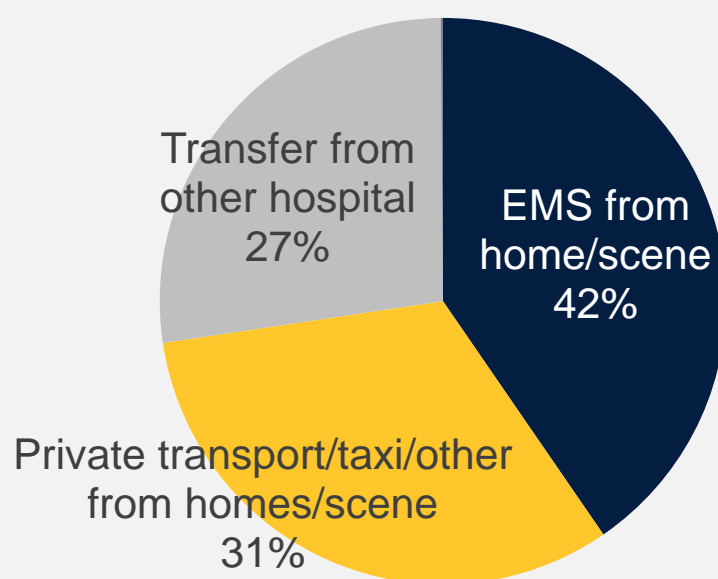
Top Reasons for no IV rt-PA initiation:

1. tPA given outside hospital
2. Mild Stroke
3. Acute Bleeding Diathesis

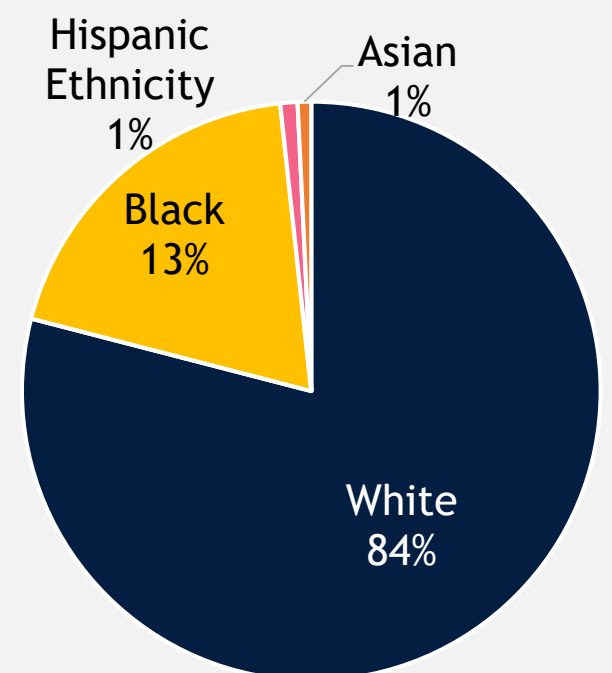
Top Reasons for IV rt-PA initiation beyond 60 minutes:

1. Care-team unable to determine patient eligibility
2. Hypertension
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
- The average age for all strokes was 60

Arrival Times

- Most patients arrived at the hospital in over 300 minutes via private transportation (72%)
- 53% of patients via EMS services arrived in over 300 minutes

Risk Factors

- The most common co-morbidities among stroke patients were:
1. Hypertension-76%
 2. Dyslipidemia-43%
 3. Diabetes-29%

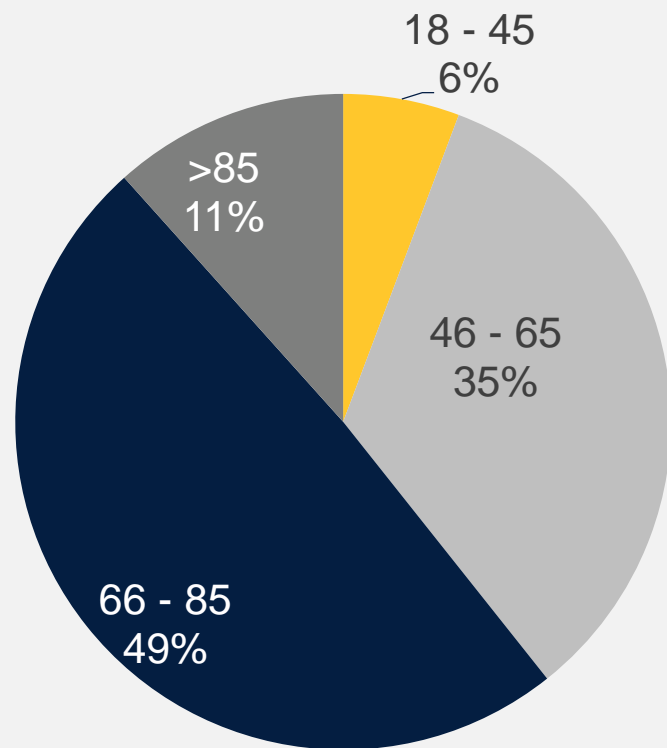
Quarter 1, 2020

Ischemic Strokes

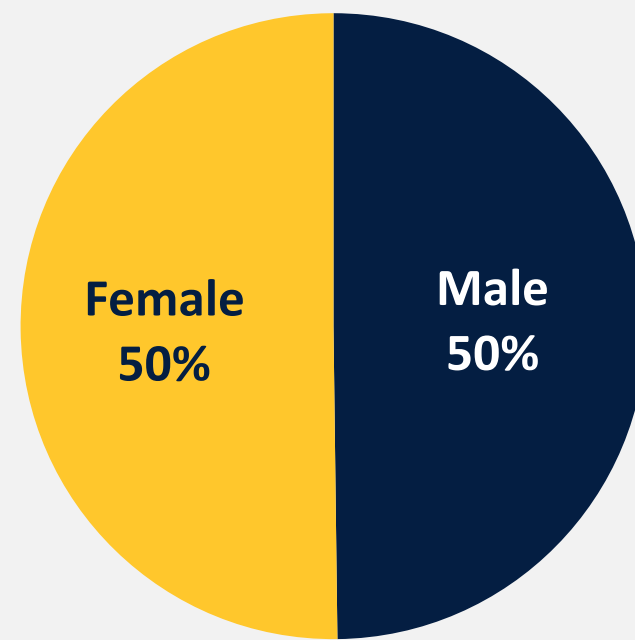
Data

Quarter 1: January to March 2020

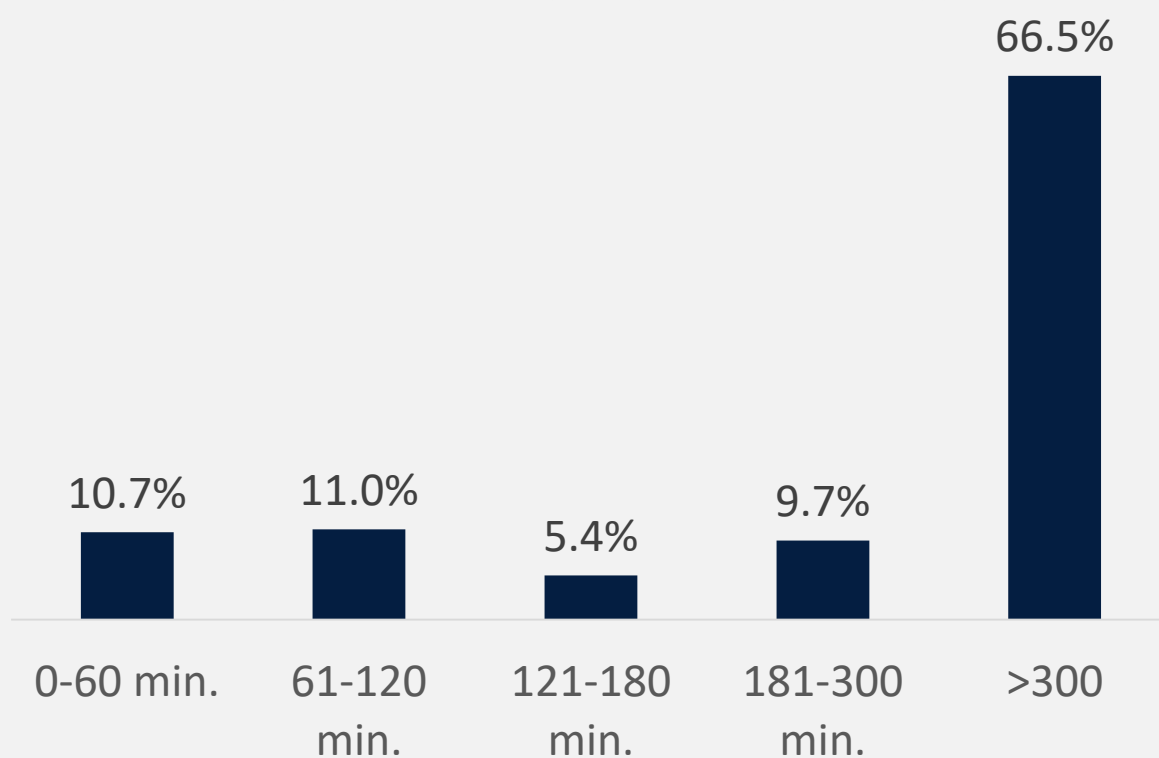
Age Distribution Among Ischemic Patients
n=2530



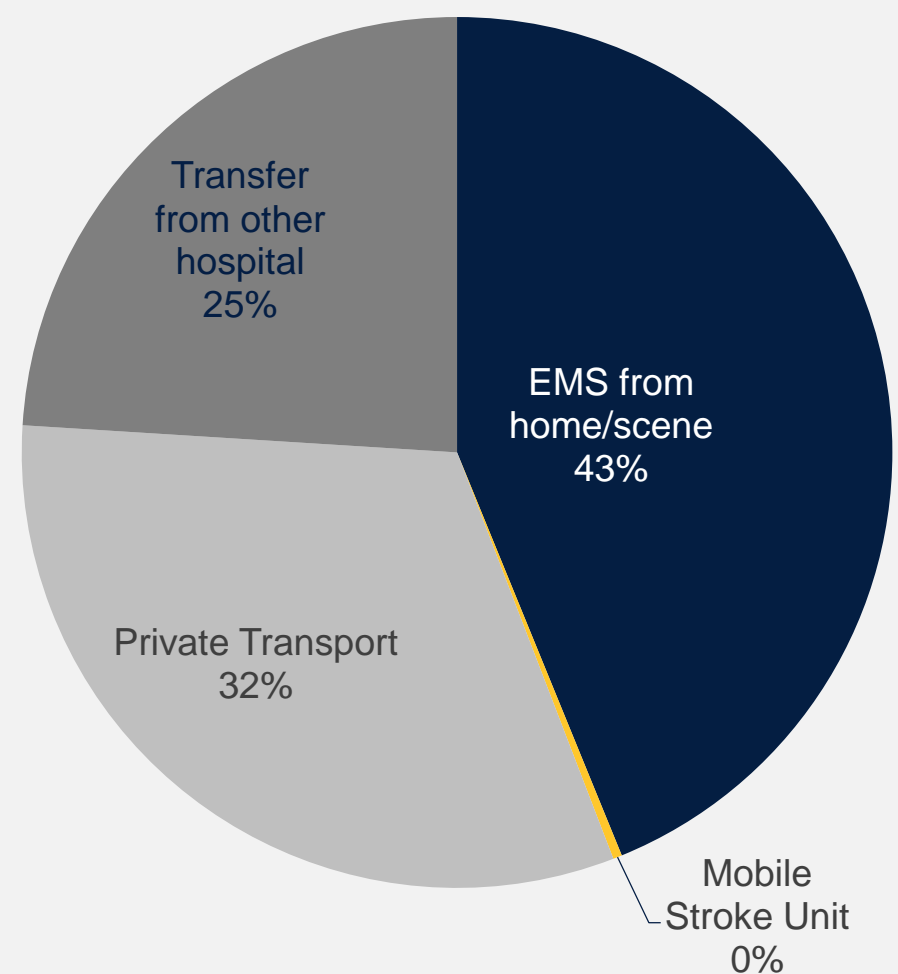
Gender
n = 2530



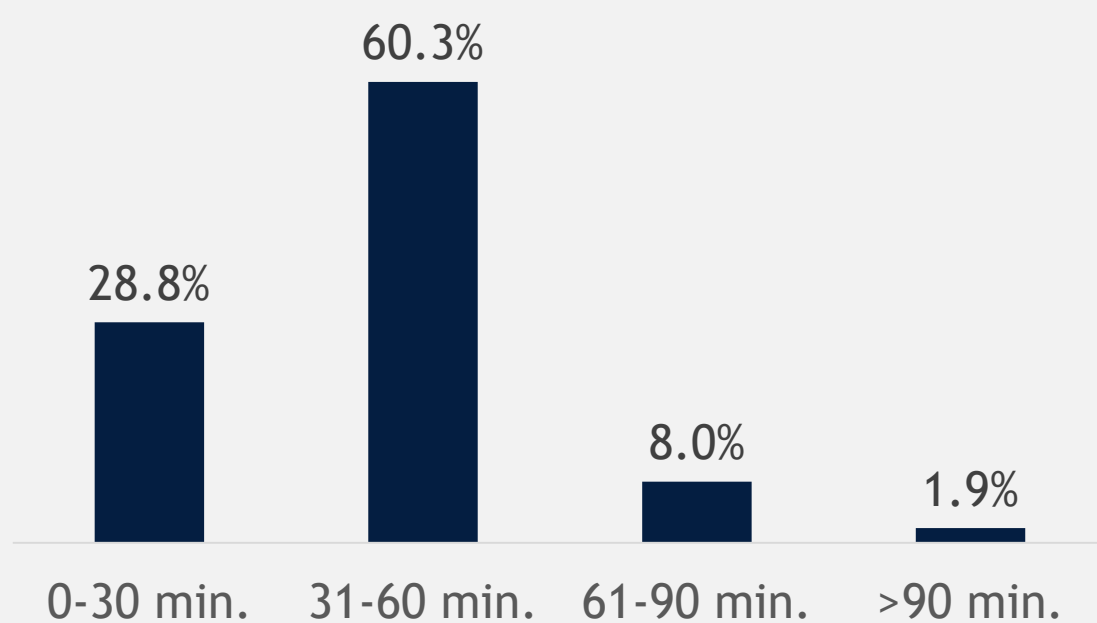
Last Known Well To Arrival Times



Arrival Mode Among Ischemic Stroke Patients
n=2530



Door To IV-rTPA Times
n=312



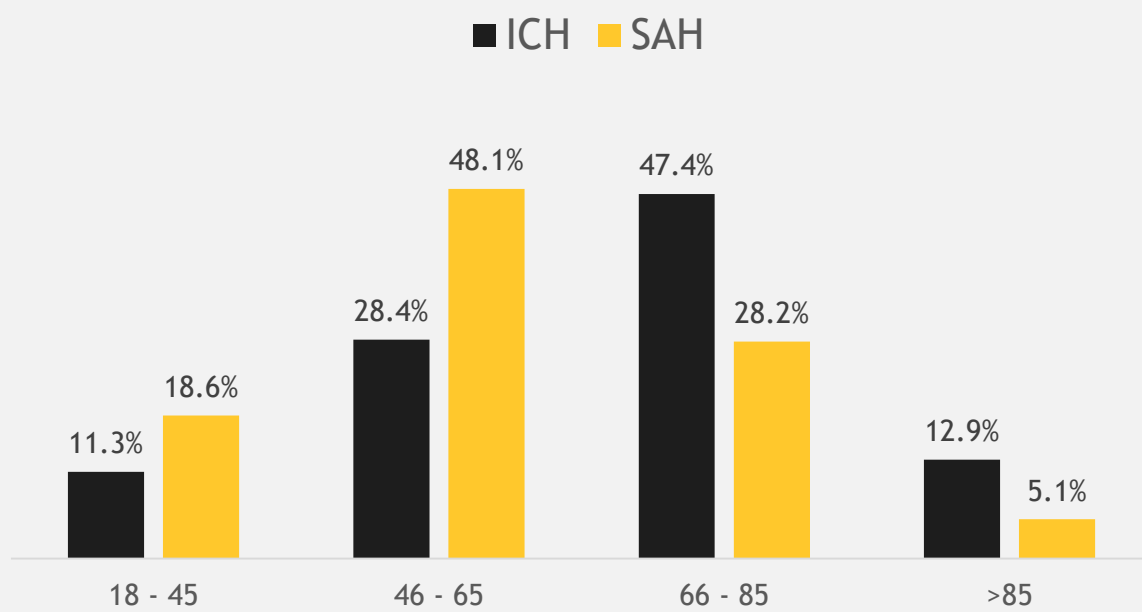
Discharge

- 11% of patients had no symptoms at discharge
- 16% of patients had moderate to severe disability
- The average length of stay was 5 days

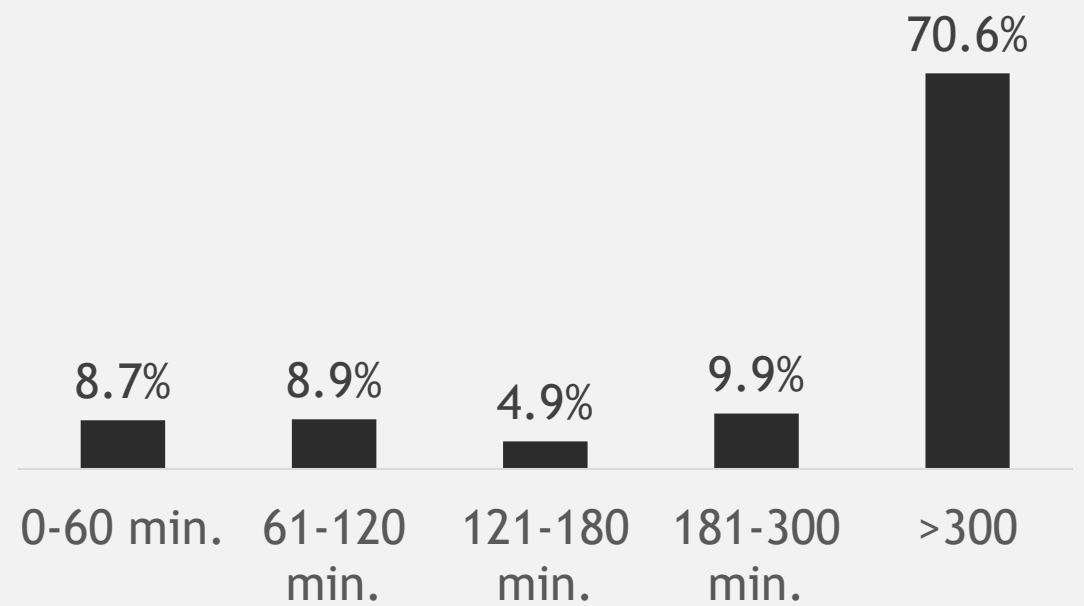
Hemorrhagic strokes

Subarachnoid (SAH) and Intracerebral Hemorrhages (ICH)

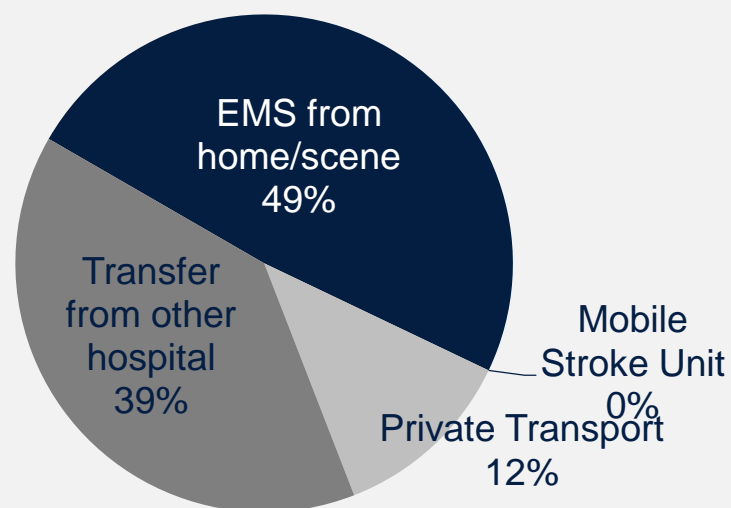
Comparison of Age Distributions



Last Known Well To Arrival Times



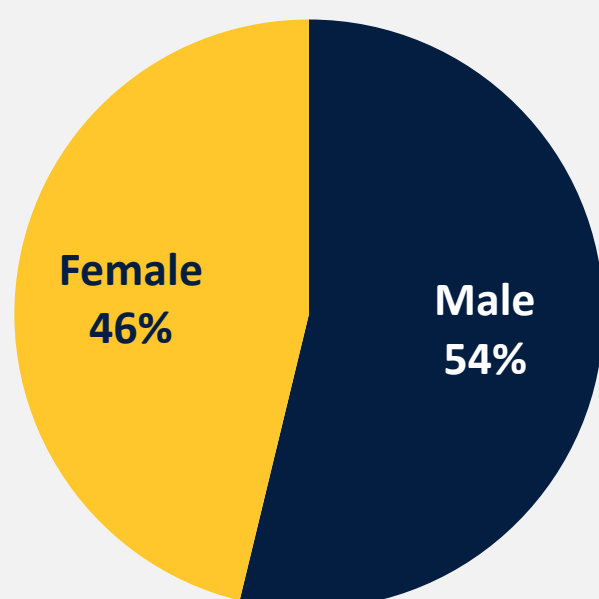
Arrival Mode Among ICH Stroke Patients
n=441



Discharge

- 20% of SAH patients had no symptoms at discharge
- 6% of ICH patients have no symptoms at discharge
- 7% of SAH patients had moderate to severe disability
- 18% of ICH patients had moderate to severe disability
- The average length of stay for SAH patients was 12 days
- The average length of stay for ICH patients was 8 days

Gender Distribution ICH
n =443



Gender Distribution SAH

