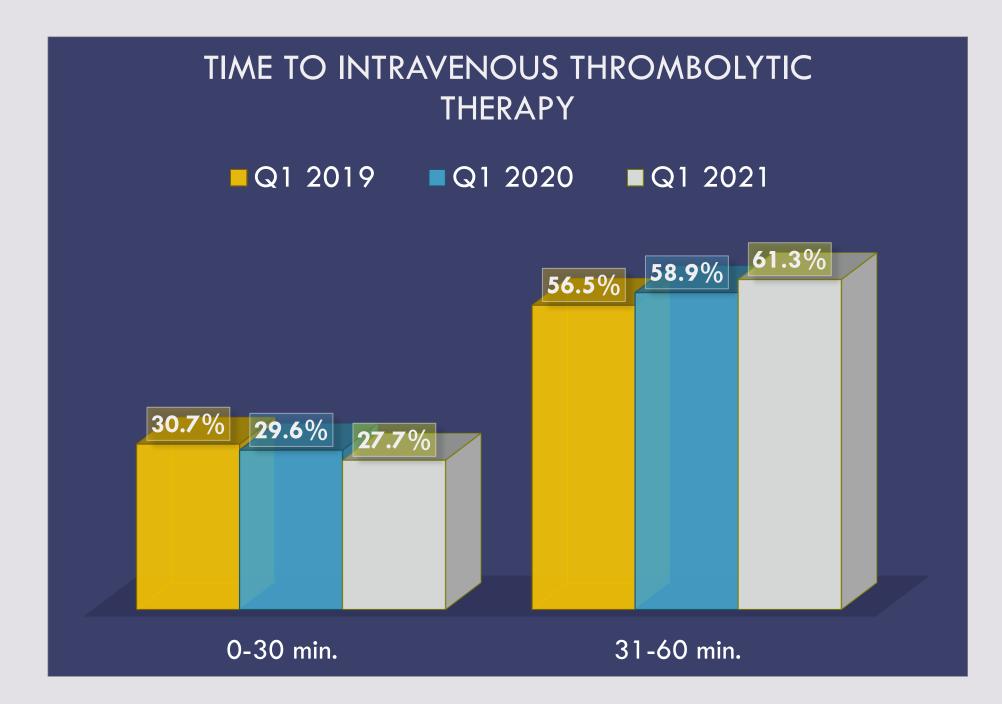
ISCHEMIC STROKES Quarter 1, 2021



Time from hospital arrival to initiation of thrombolytic therapy administration

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For more information, the full annual report is available on the TSR website: ETSU TN Stroke Registry Email: strokeregistry@etsu.edu

100%

90%

80%

70%

60%

50%

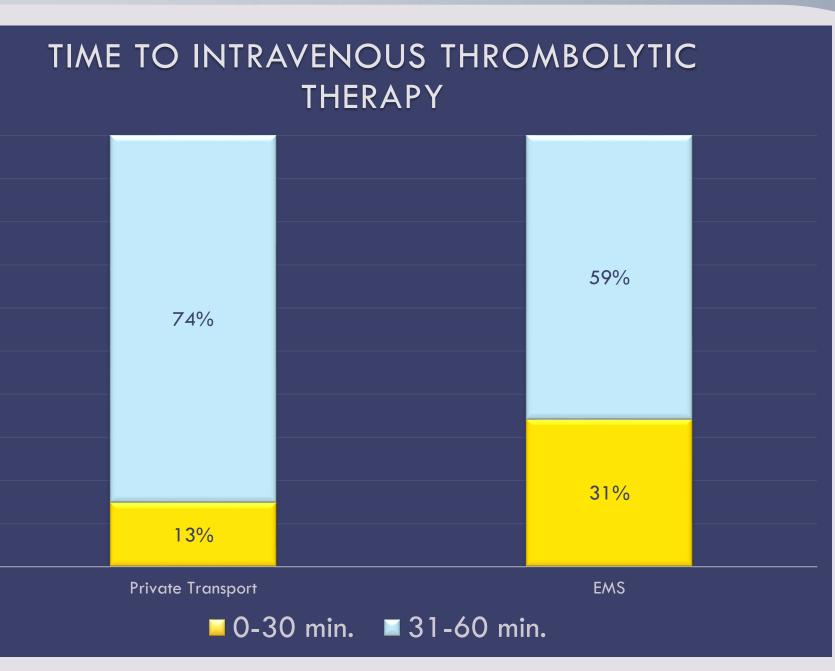
40%

30%

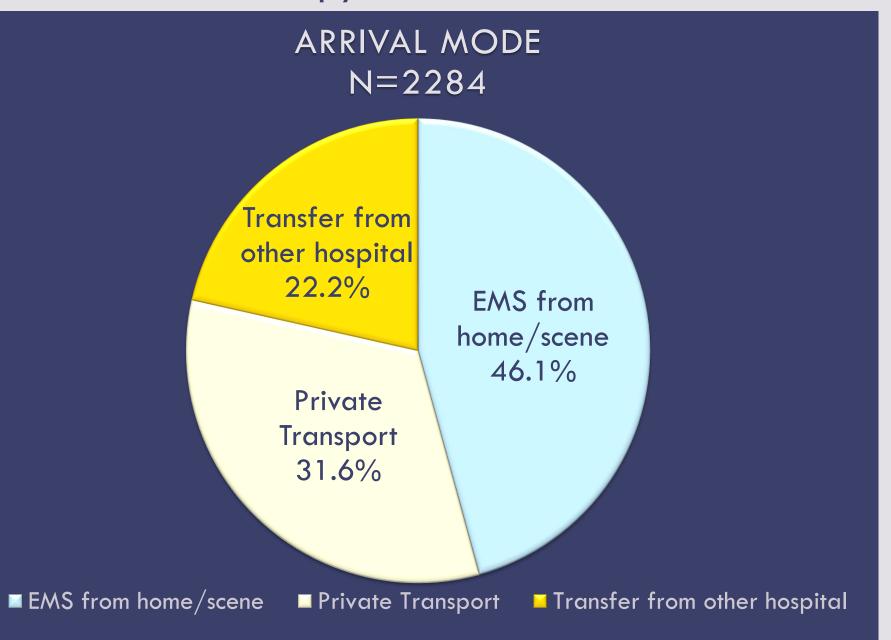
20%

10%

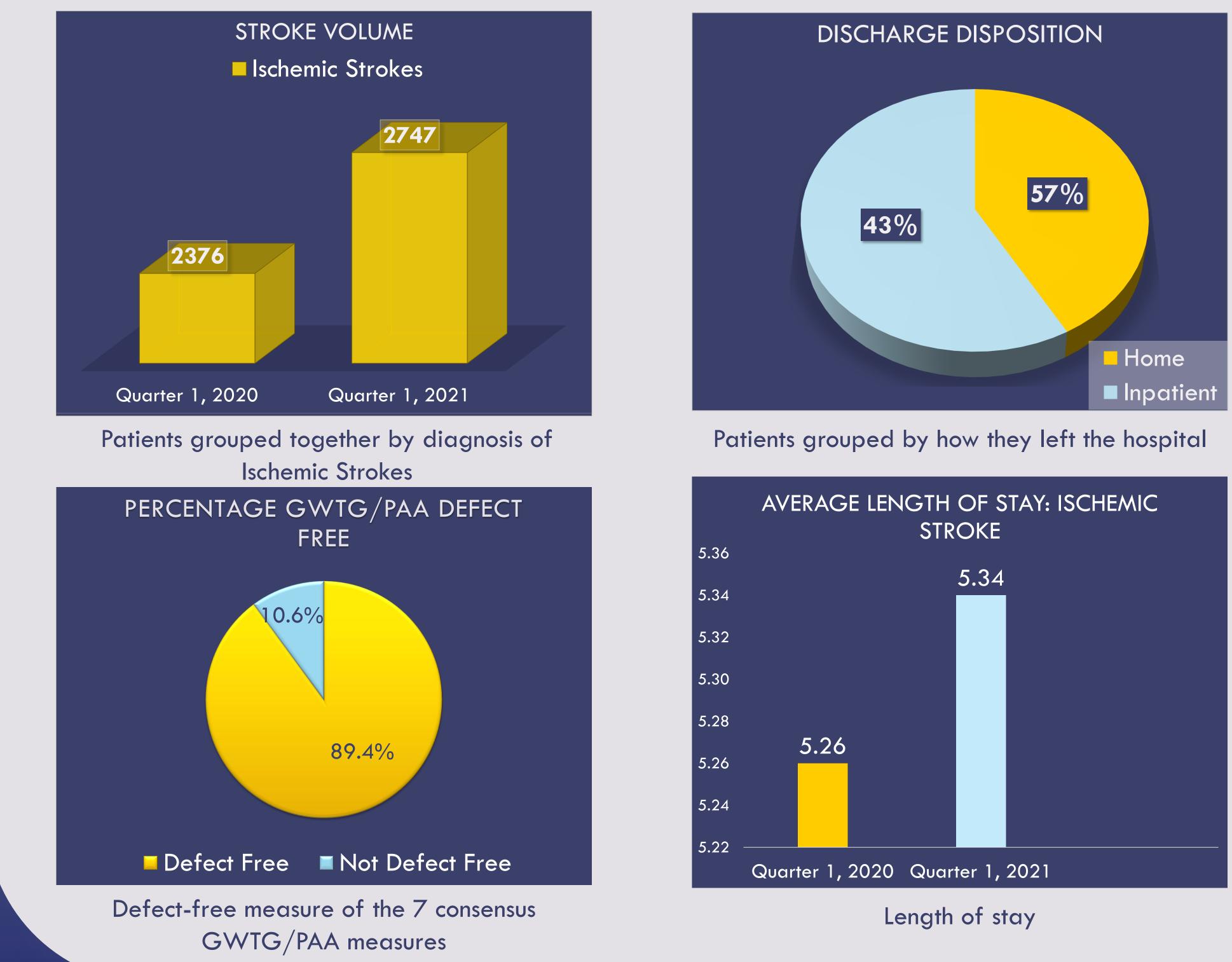
0%



Comparing transport mode with thrombolytic therapy administration

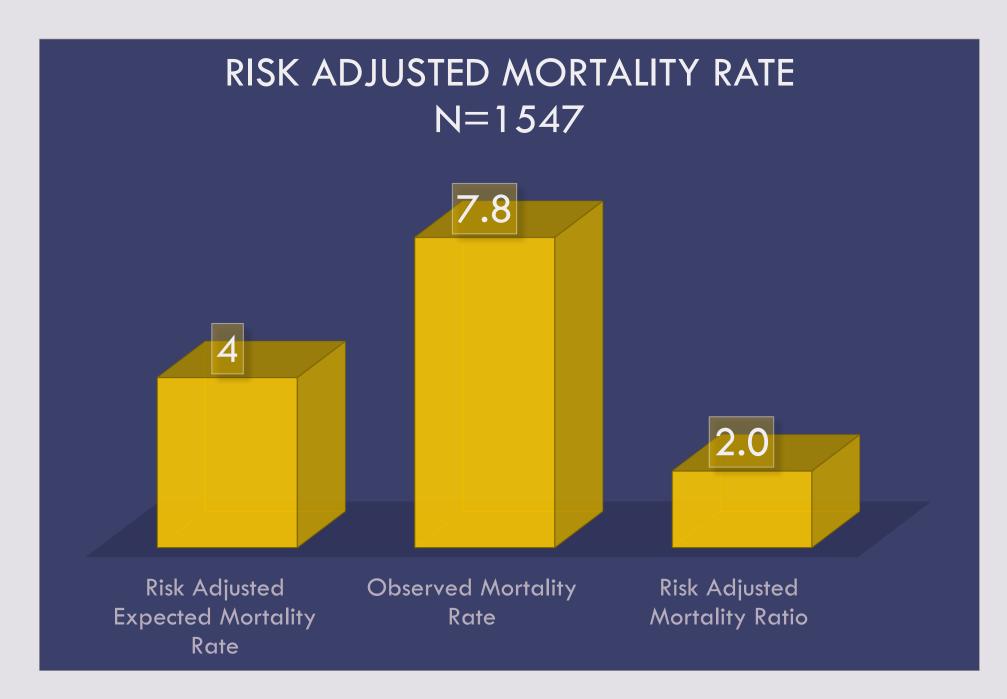


Patients grouped by how they arrived at the hospital



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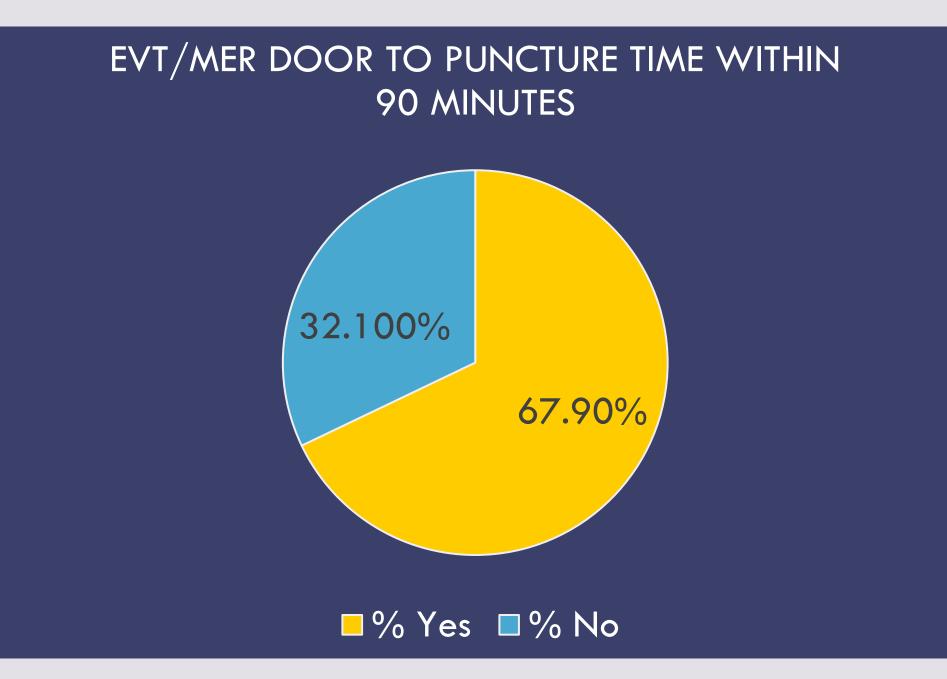
A mortality rate that is adjusted for predicted risk of death. This is done when a patient leaves a hospital.



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state of Tennessee

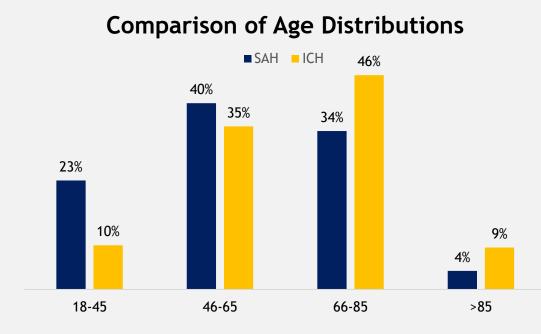


Percentage of patients with acute ischemic stroke who receive mechanical endovascular reperfusion therapy and for whom arterial puncture time is $\leq =$ 90 minutes after hospital arrival.

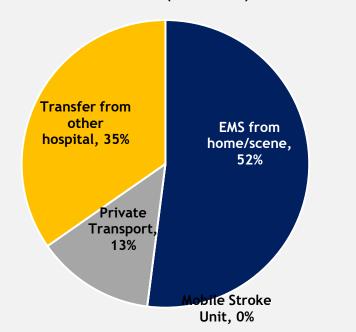
Quarter 2 April to June 2021

Hemorrhagic strokes

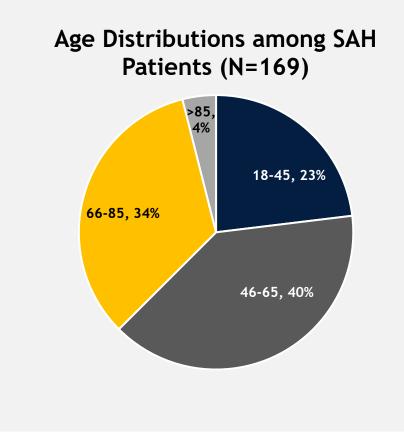
Subarachnoid (SAH) and Intracerebral Hemorrhages (ICH)



Arrival Mode among ICH Stroke Patients (N=444)



Gender Distribution among ICH Stroke Patients (N=446)

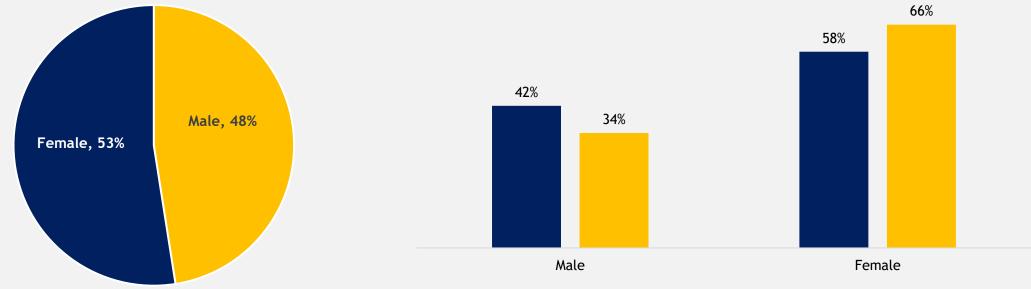


Discharge

- 18% of SAH patients had no symptoms at discharge
- 5% of ICH patients have no symptoms at discharge
- 4% of SAH patients had moderate to severe disability
- 16% of ICH patients had moderate to severe disability
- The average length of stay for SAH patients was 11 days
- The average length of stay for ICH patients was 8 days

Gender Distribution among SAH Patients, Q1 vs Q2 2021

■ Q1, 2021 Q2, 2021



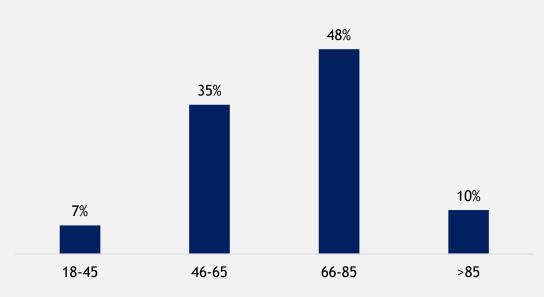
For more information, the full annual report is available on the TSR website: <u>ETSU TN Stroke</u> <u>Registry</u>

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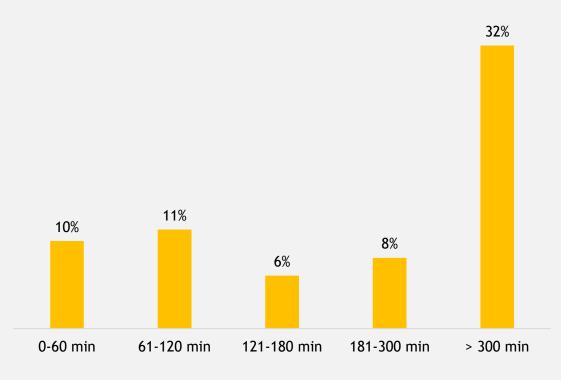
Quarter 2 April to June 2021

Ischemic Stroke

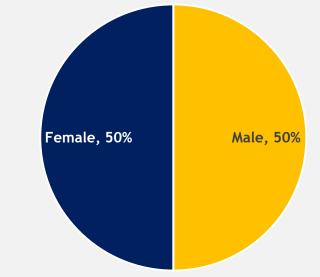
Age Distribution among Ischemic Stroke Patients (N=2521)

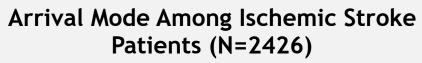


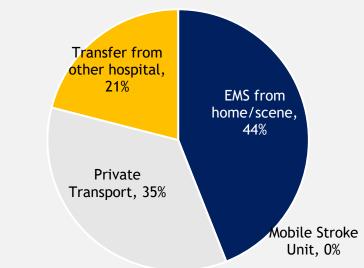
Last Known Well to Arrival Times



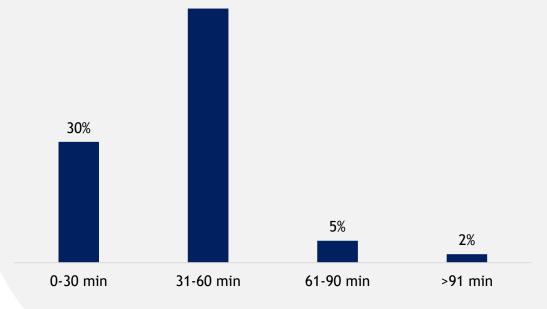
Gender Distribution (N=2521)







Door To IV rt-PA Times (N=322)





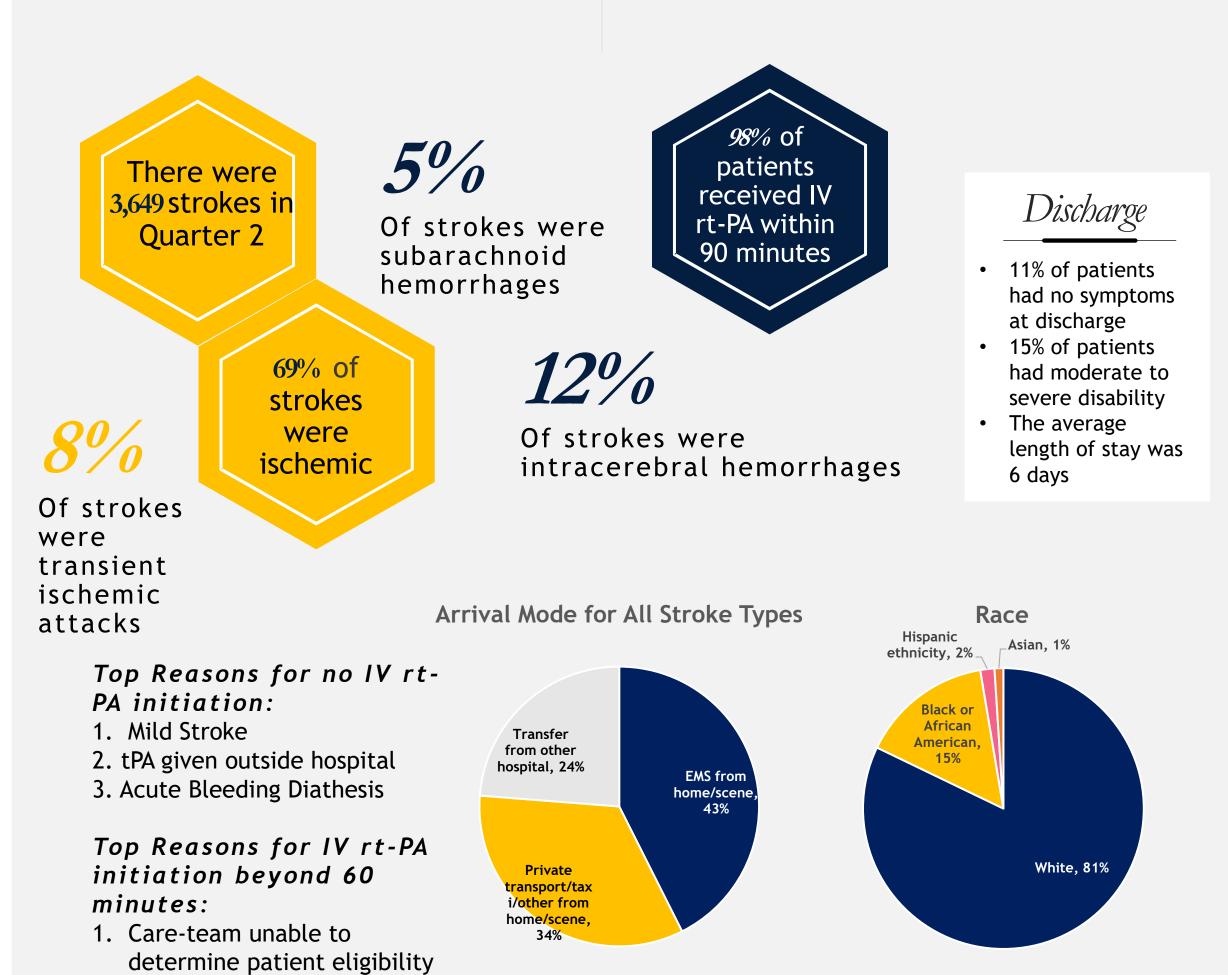
- 10% of patients had no symptoms at discharge
- 15% of patients had moderate to severe disability
- The average length of stay was 5 days

For more information, the full annual report is available on the TSR website: <u>ETSU TN Stroke</u> <u>Registry</u> Email: strokeregistry@etsu.edu

Tennessee Stroke Registry

2021 Quarter 2 Report

Quarter 2 April to June 2021



2. Hypertension

3. Refusal



- 48% of strokes occurred in those ages 66-85
- 35% occurred in those age 46-65
- The average age for all strokes was 67

Arrival Times

- Most patients arrived at the hospital in over 300 minutes via private transportation (66%)
- 43% of patients via EMS services arrived in over 300 minutes

Risk Factors

The most common comorbidities among stroke patients were:

- 1. Hypertension
- 2. Dyslipidemia
- 3. Diabetes

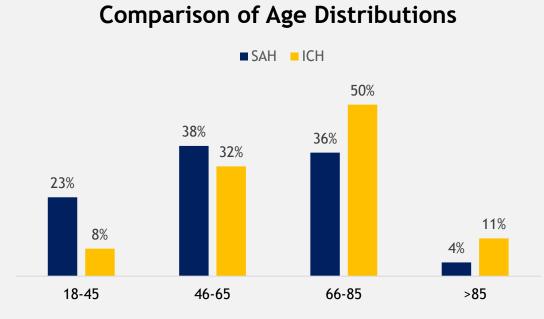
For more information, the full annual report is available on the TSR website: <u>ETSU TN Stroke</u> <u>Registry</u>

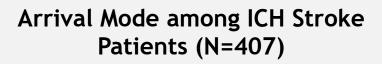
Email: strokeregistry@etsu.edu

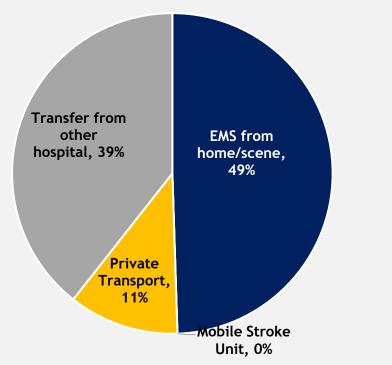
Quarter 3 July to September 2021

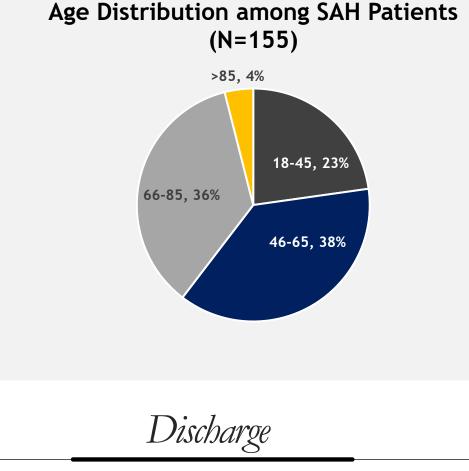
Hemorrhagic strokes

Subarachnoid (SAH) and Intracerebral Hemorrhages (ICH)





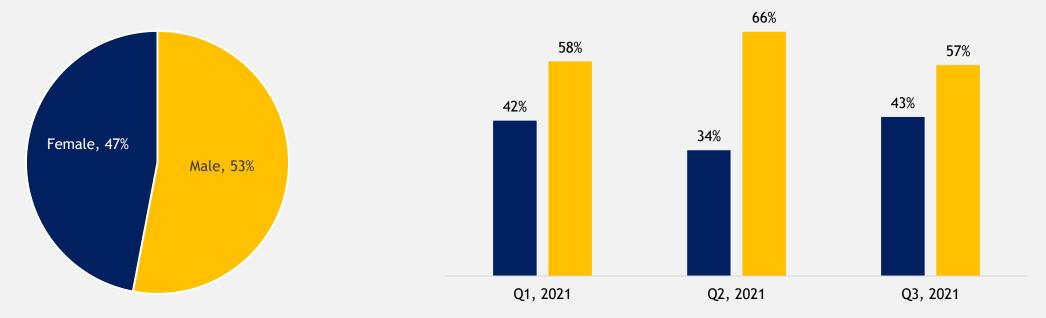




- 9% of SAH patients had no symptoms at discharge
- 6% of ICH patients have no symptoms at discharge
- 12% of SAH patients had moderate to severe disability
- 23% of ICH patients had moderate to severe disability
- The average length of stay for SAH patients was 13 days
- The average length of stay for ICH patients was 8 days

Gender Distribution among SAH Patients (Quarters 1-3)

Gender Distribution among ICH Stroke Patients (N=411)



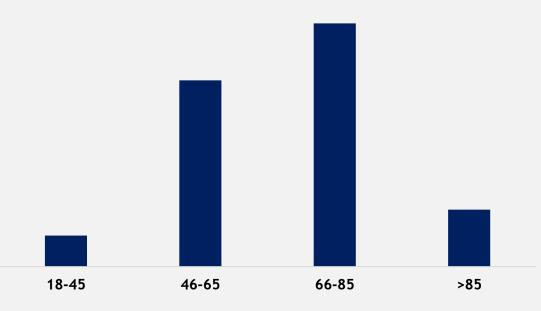
For more information, the full annual report is available on the TSR website: <u>ETSU TN Stroke</u> <u>Registry</u>

Email: strokeregistry@etsu.edu

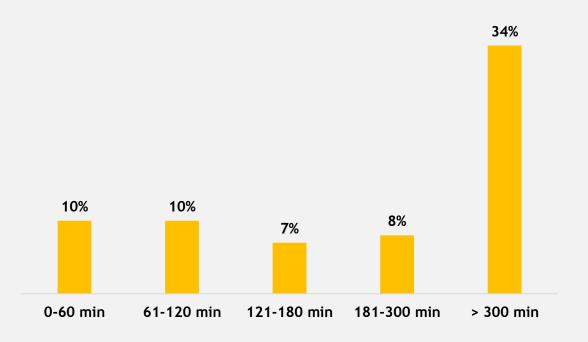
Quarter 3 July to September 2021

Ischemic Stroke

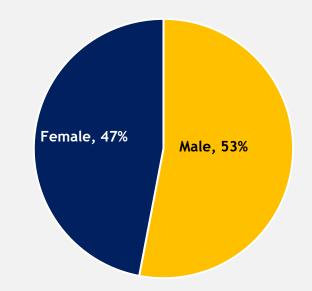
Age Distribution among Ischemic Stroke Patients (N=2409)



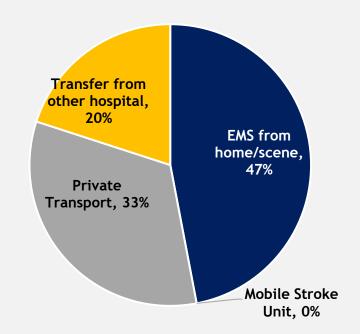
Last Known Well to Arrival Times



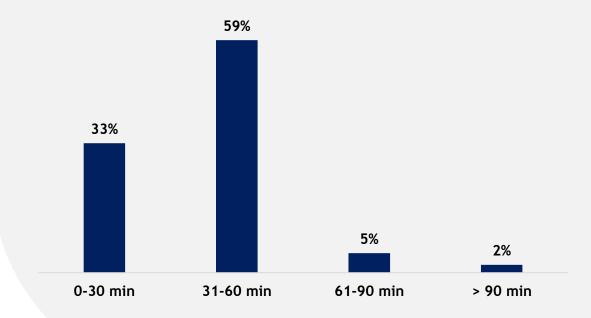
Gender Distribution (N=2409)



Arrival Mode (N=2338)



Door to IV rt-PA Times (N=320)





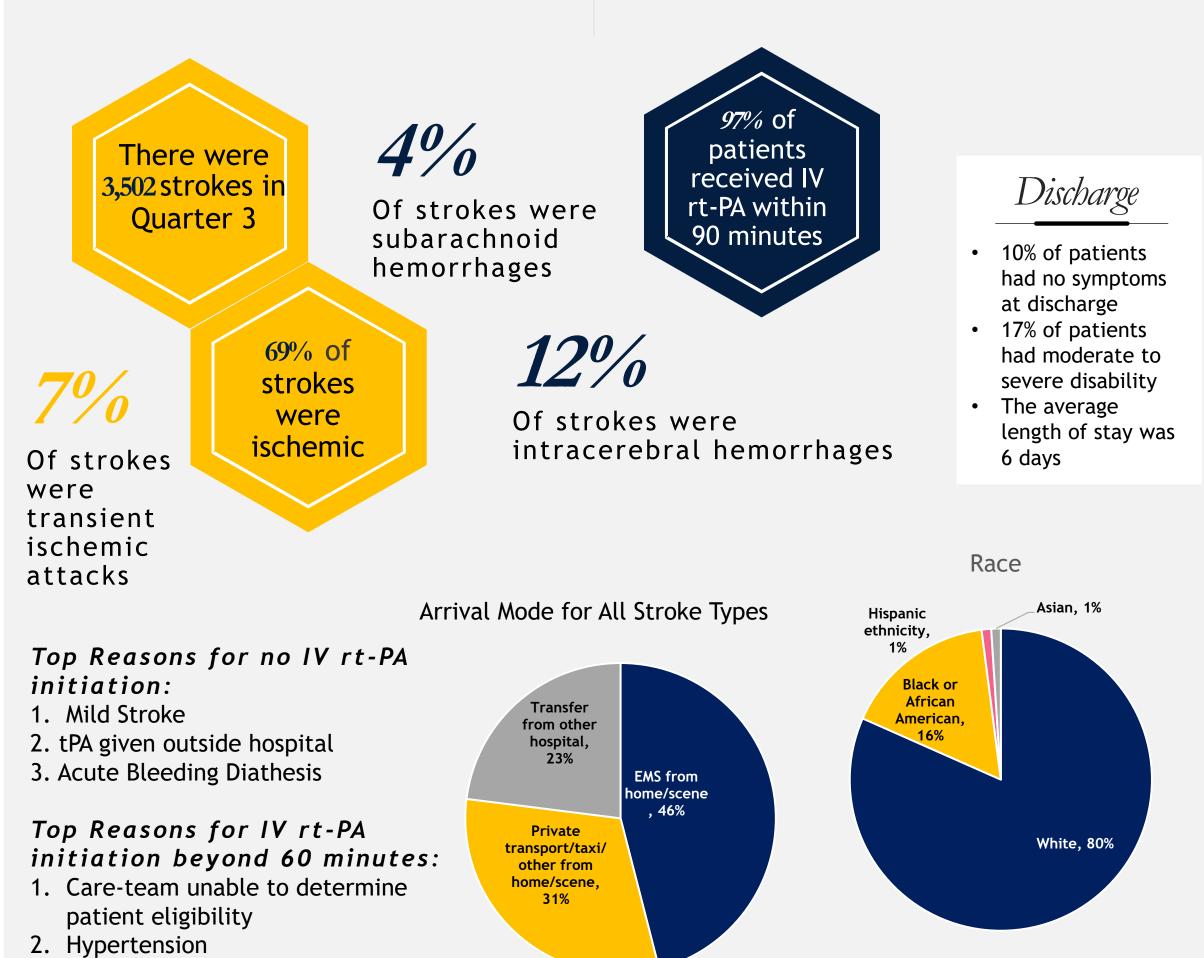
- 10% of patients had no symptoms at discharge
- 16% of patients had moderate to severe disability
- The average length of stay was 6 days

For more information, the full annual report is available on the TSR website: <u>ETSU TN Stroke</u> <u>Registry</u> Email: strokeregistry@etsu.edu

Tennessee Stroke Registry

2021 Quarter 3 Report

Quarter 3 July to September 2021



3. Refusal/Management of

concomitant emergent conditions



- 47% of strokes occurred in those ages 66-85
- 35% occurred in those age 46-65
- The average age for all strokes was 67

Arrival Times

- Most patients arrived at the hospital in over 300 minutes via private transportation (71%)
- 44% of patients via EMS services arrived in over 300 minutes

Risk. Factors

The most common comorbidities among stroke patients were:

- 1. Hypertension
- 2. Dyslipidemia
- 3. Diabetes

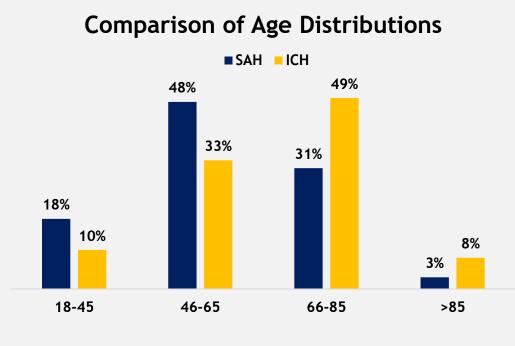
For more information, the full annual report is available on the TSR website: <u>ETSU TN Stroke</u> <u>Registry</u>

Email: strokeregistry@etsu.edu

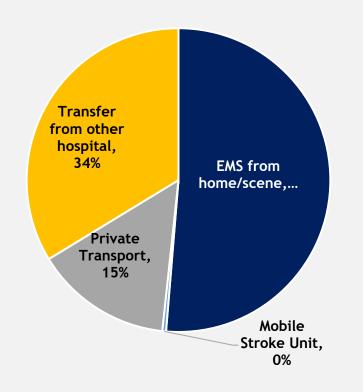
Quarter 4 October to December 2021

Hemorrhagic strokes

Subarachnoid (SAH) and Intracerebral Hemorrhages (ICH)



Arrival Mode for ICH Stroke Patients (N=525)



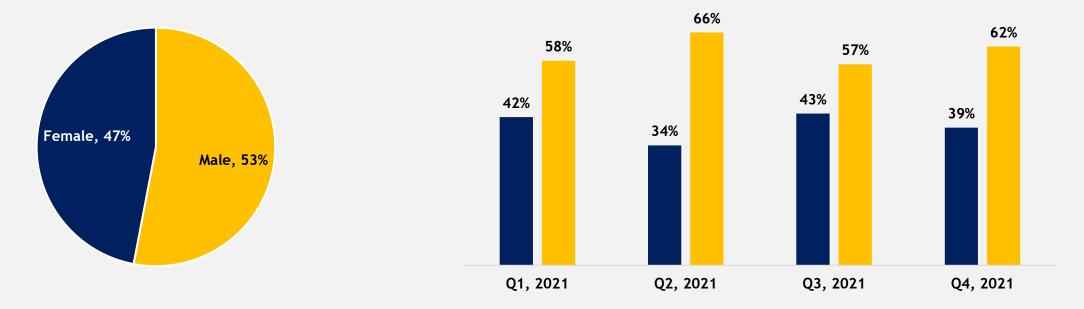
Age Distribution among SAH Patients (N=179) *85, 3% 66-85, 31% 46-65, 48%

Discharge

- 13% of SAH patients had no symptoms at discharge
- 3% of ICH patients have no symptoms at discharge
- 7% of SAH patients had moderate to severe disability
- 17% 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 among SAH Patients (Q1-Q4, 2021)

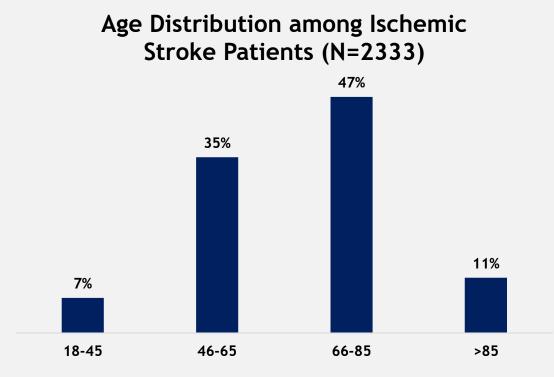
Gender Distribution among ICH Stroke Patients (N=530)



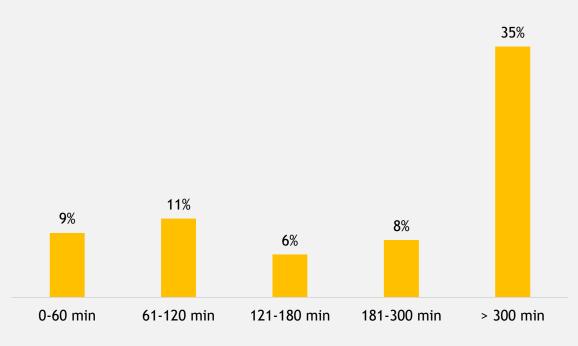
For more information, the full annual report is available on the TSR website: <u>ETSU TN Stroke</u> <u>Registry</u> Email: strokeregistry@etsu.edu

Quarter 4 October to December 2021

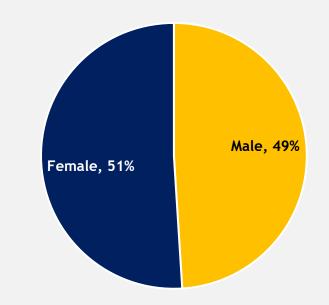
Ischemic Stroke



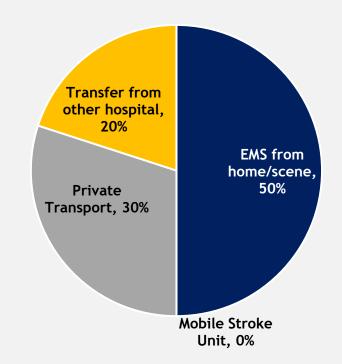
Last Known Well to Arrival Times

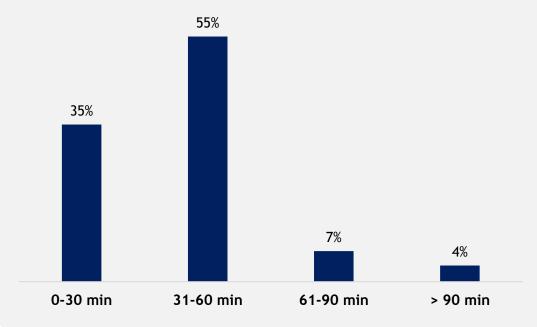


Gender Distribution (N=2333)



Arrival Mode (N=2274)







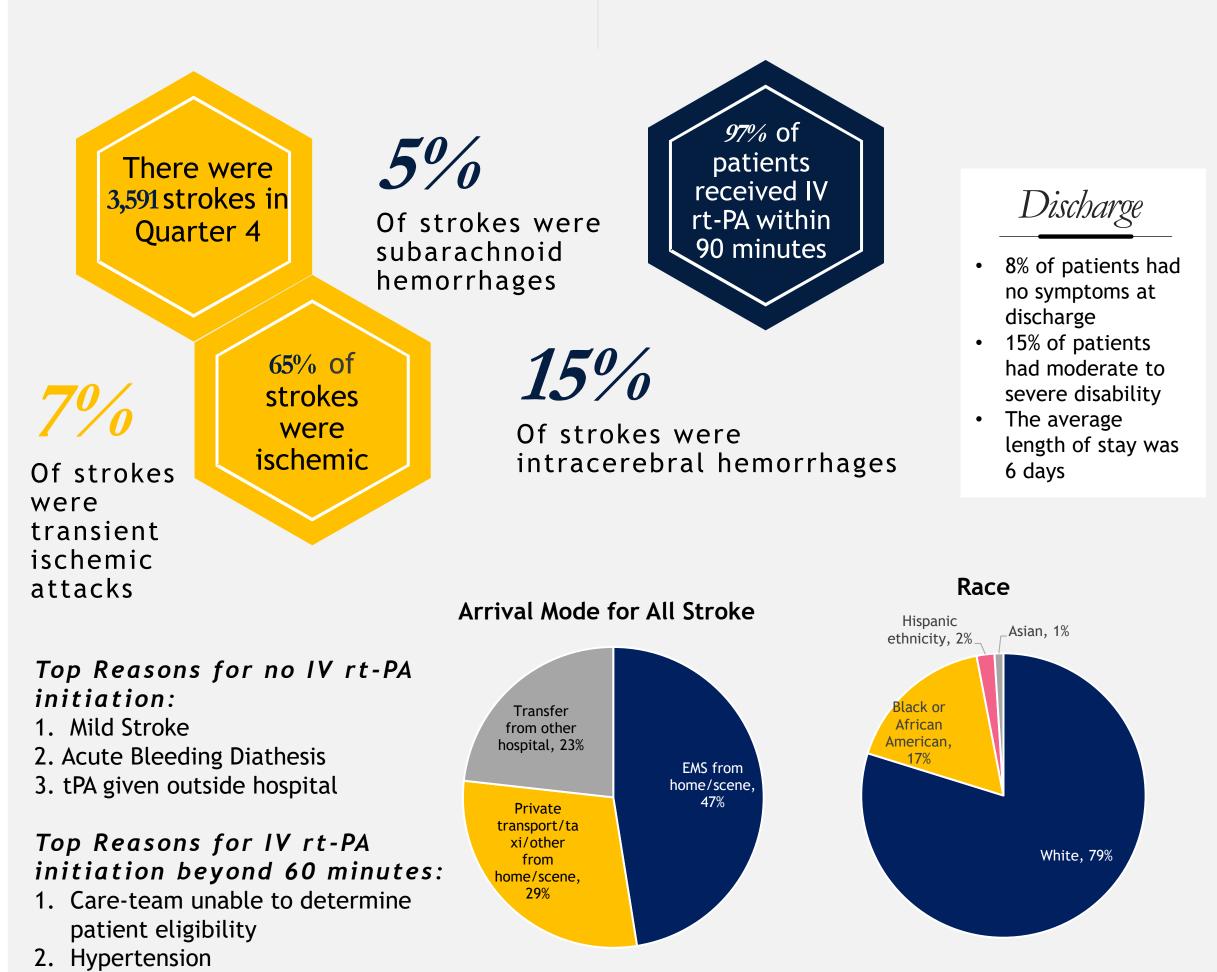
- 9% of patients had no symptoms at discharge
- 15% of patients had moderate to severe disability
- The average length of stay was 6 days

For more information, the full annual report is available on the TSR website: <u>ETSU TN Stroke</u> <u>Registry</u> Email: strokeregistry@etsu.edu

Tennessee Stroke Registry

2021 Quarter 4 Report

Quarter 4 October to December 2021



3. Refusal



- 49% of strokes occurred in those ages 66-85
- 35% occurred in those age 46-65
- The average age for all strokes was 67

Arrival Times

- Most patients arrived at the hospital in over 300 minutes via private transportation (72%)
- 54% of patients via EMS services arrived in over 300 minutes

Risk Factors

The most common comorbidities among stroke patients were:

- 1. Hypertension
- 2. Dyslipidemia
- 3. Diabetes

For more information, the full annual report is available on the TSR website: <u>ETSU TN Stroke</u> <u>Registry</u>

Email: strokeregistry@etsu.edu