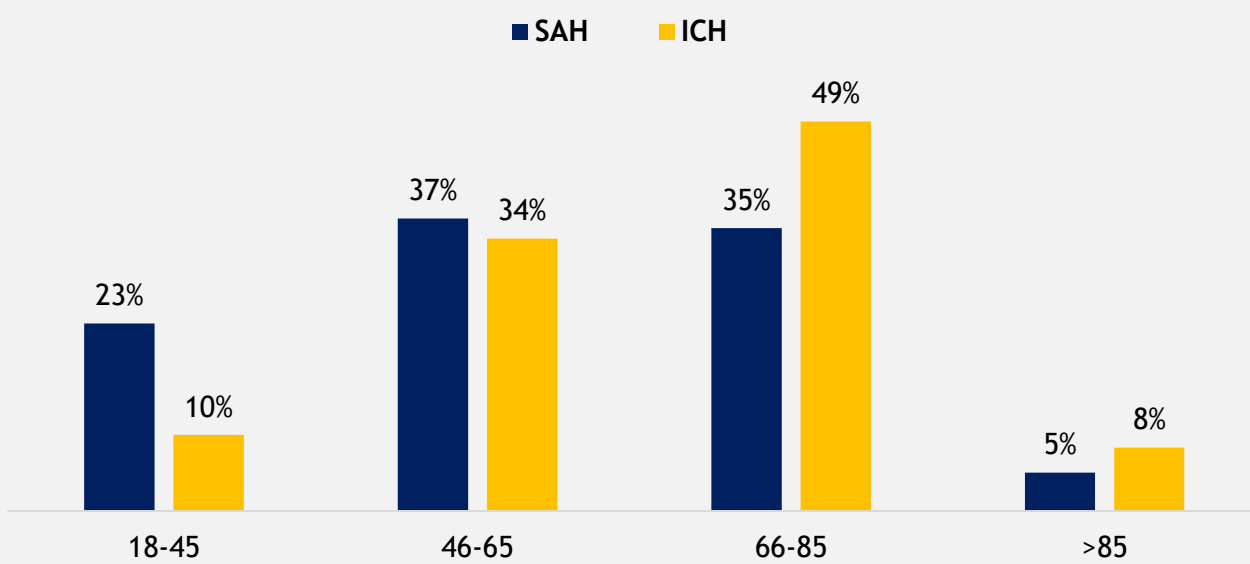


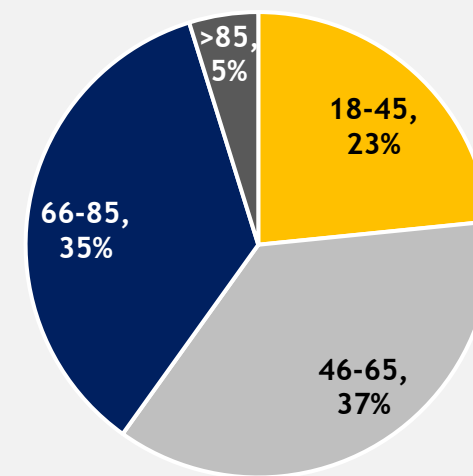
# Hemorrhagic strokes

## Subarachnoid (SAH) and Intracerebral Hemorrhages (ICH)

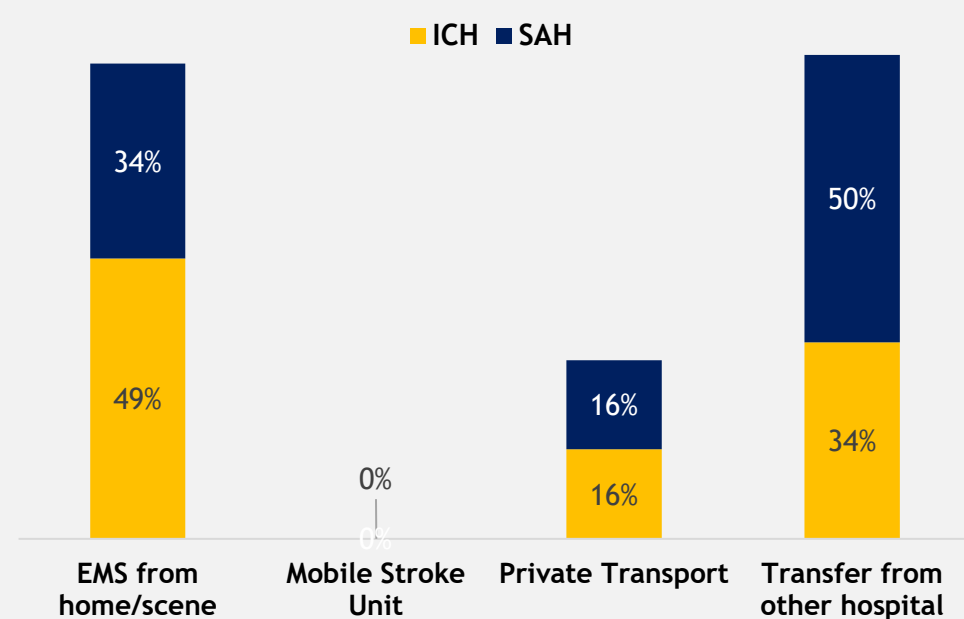
Comparison of Age Distributions



Age Distribution among SAH Patients (N=167)



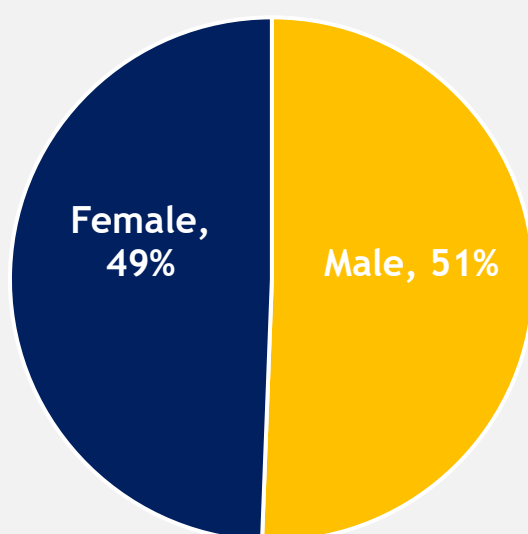
Arrival Mode by ICH or SAH Stroke Patient



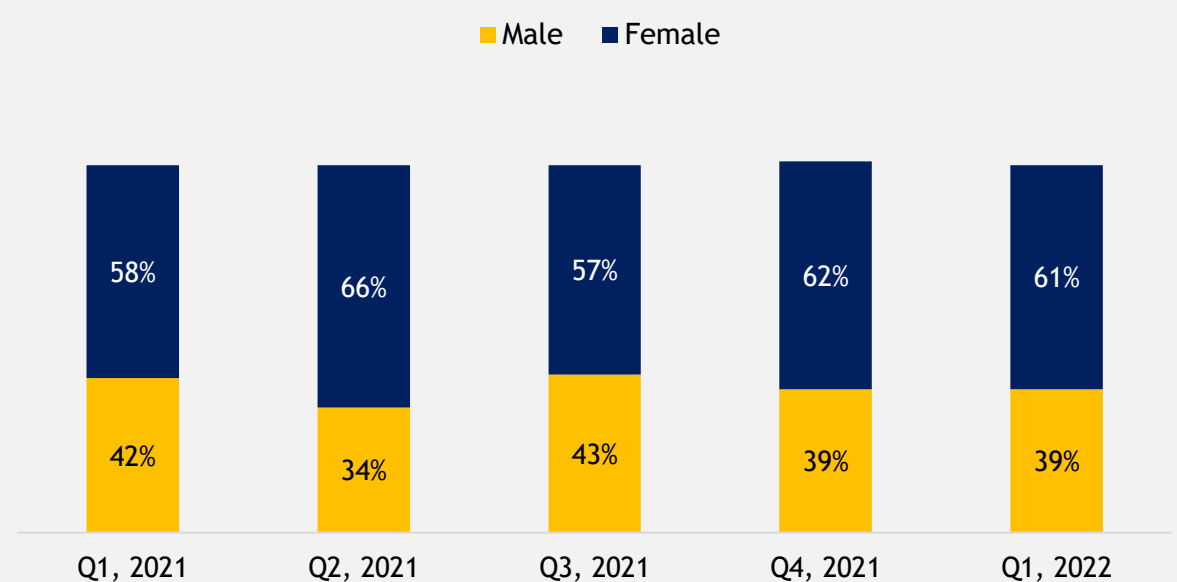
### Discharge

- 9% of SAH patients had no symptoms at discharge
- 4% 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 9 days

Gender Distribution, ICH (N=518)

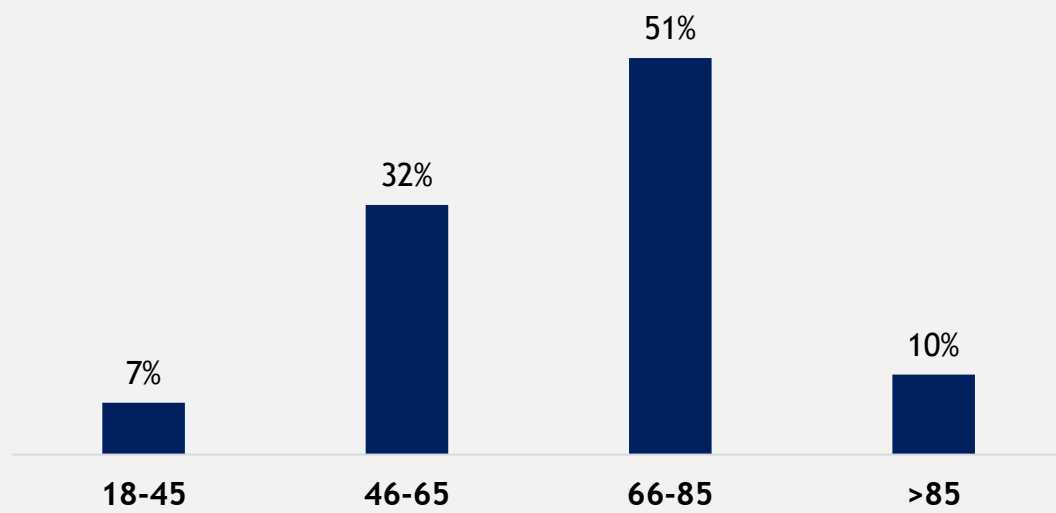


Gender Distributions SAH, 2021 vs Q1 2022

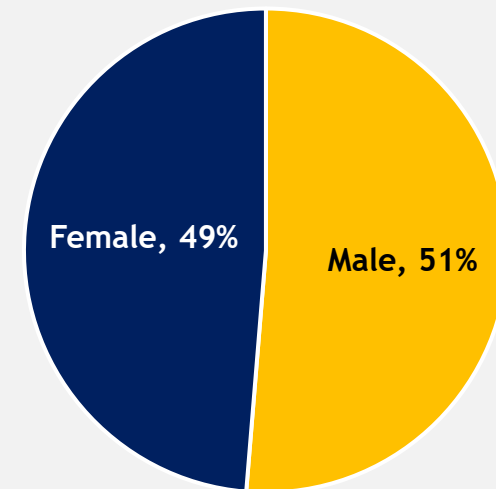


# Ischemic Stroke

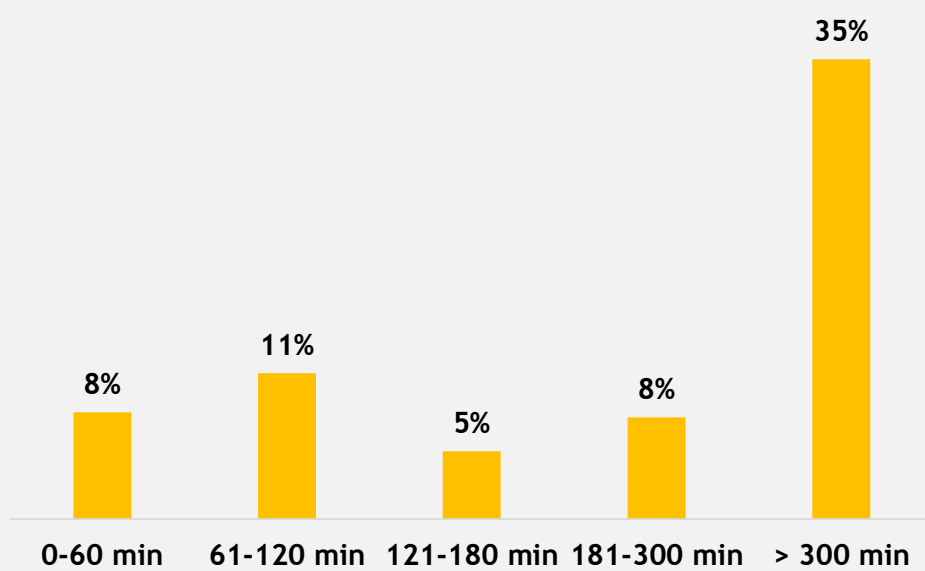
Age Distribution among Ischemic Stroke Patients (N=2524)



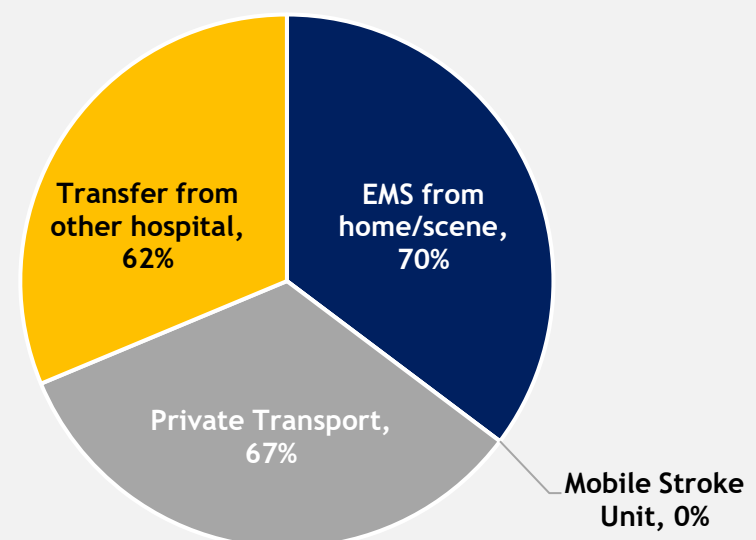
Gender Distribution (N=2524)



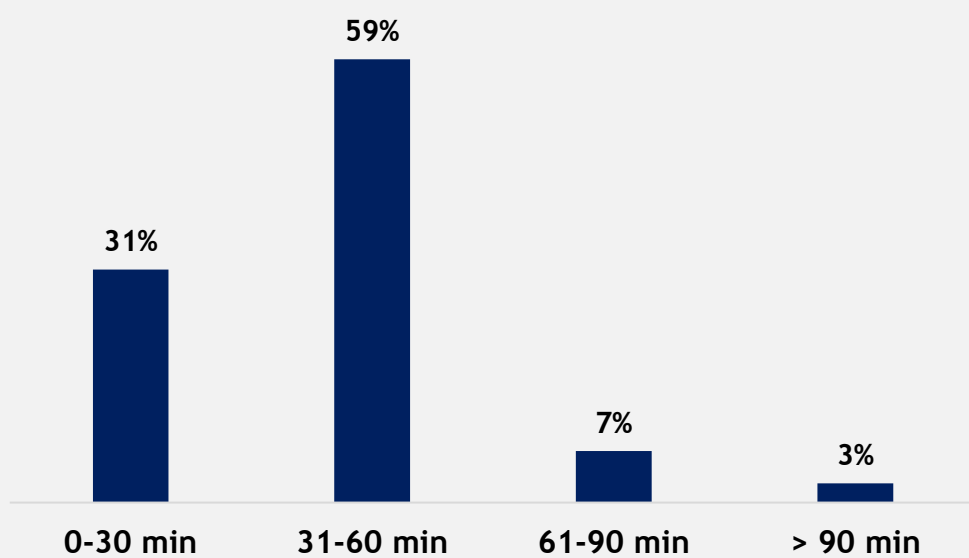
Last Known Well to Arrival Times



Arrival Mode Among Ischemic Stroke Patients (N=2524)



Door To IV-rTPA Times  
n=275



## Discharge

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

# 2022 Quarter 1 Report

January to March 2022

There were 3,754 strokes in Quarter 1

4%

Of strokes were subarachnoid hemorrhages

97% of patients received IV rt-PA within 90 minutes

## Discharge

- 9% of patients had no symptoms at discharge
- 16% of patients had moderate to severe disability
- The average length of stay was 7 days

8%

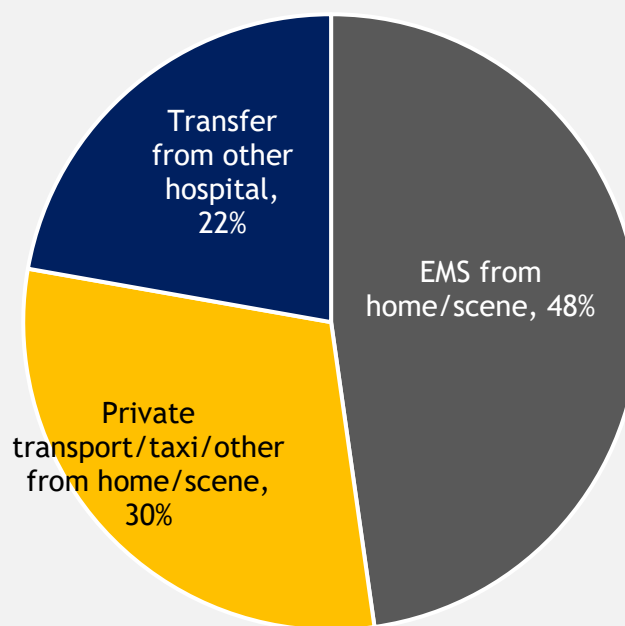
Of strokes were transient ischemic attacks

67% of strokes were ischemic

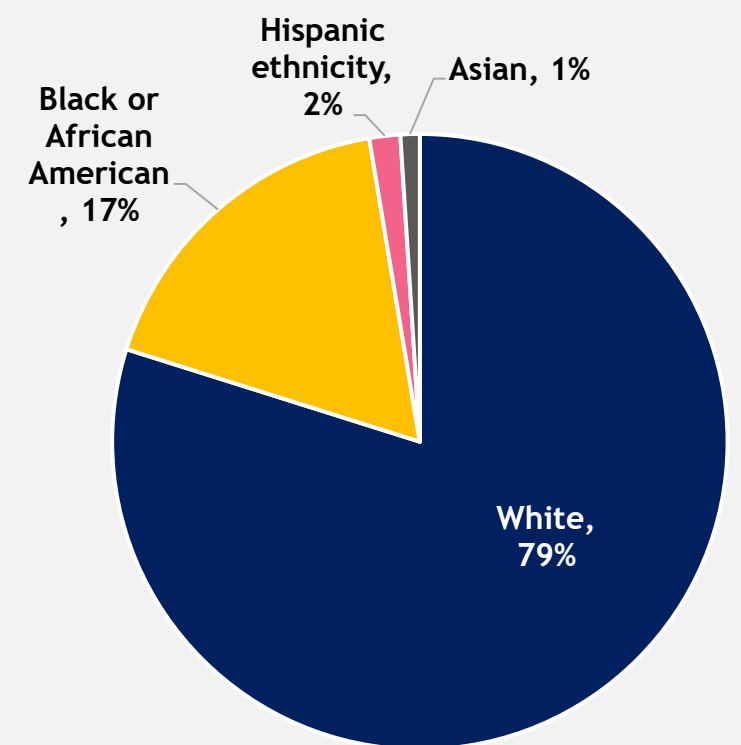
14%

Of strokes were intracerebral hemorrhages

## Arrival mode for all stroke types



## Race



### Top Reasons for no IV rt-PA initiation:

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

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

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

## Age

- 50% of strokes occurred in those ages 66-85
- 32% occurred in those age 46-65
- The average age for all strokes was 69

## Arrival Times

- Most patients arrived at the hospital in over 300 minutes via private transportation (68%)
- 56% of patients via EMS services arrived in over 300 minutes

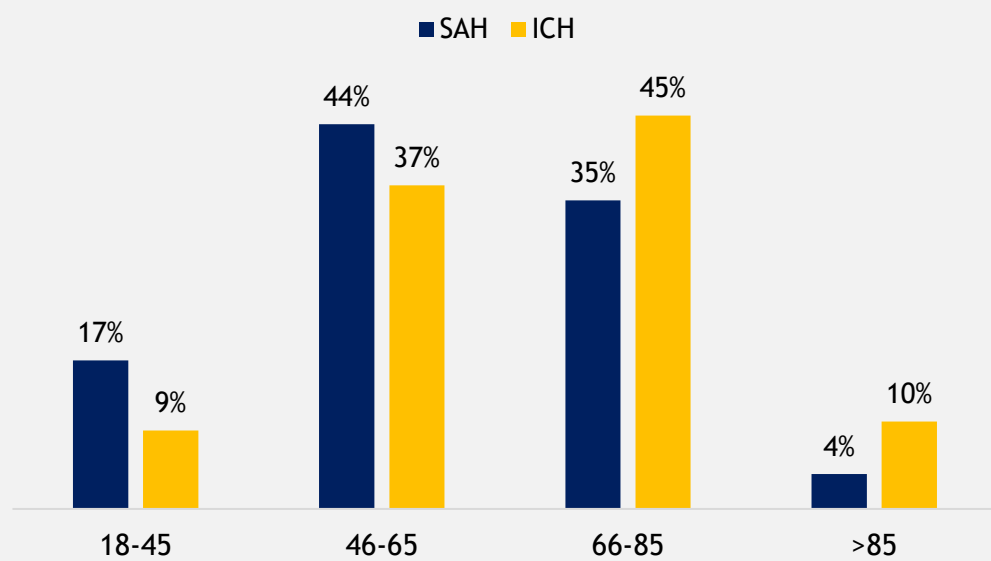
## Risk Factors

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

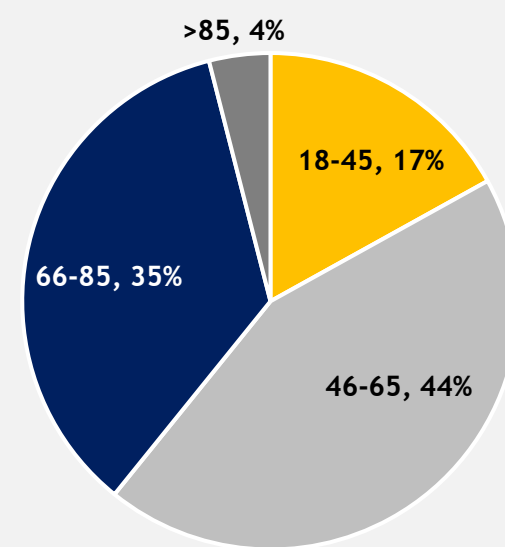
# Hemorrhagic strokes

## Subarachnoid (SAH) and Intracerebral Hemorrhages (ICH)

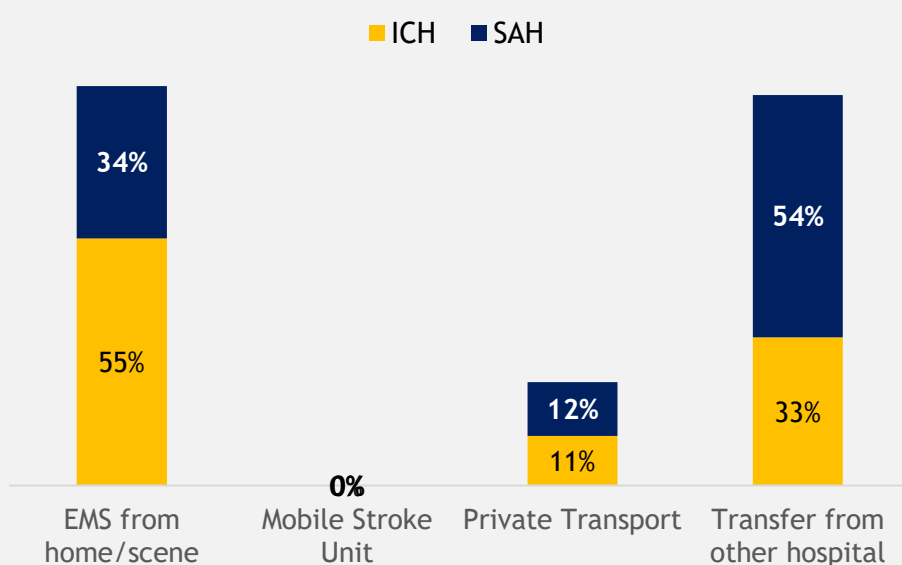
Comparison of Age Distribution



Age Distribution among SAH Patients (N=187)



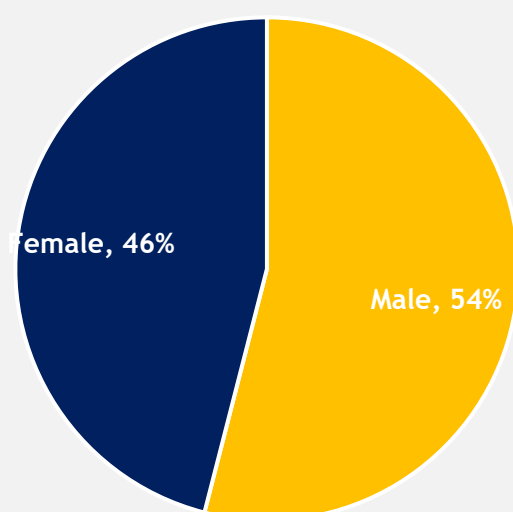
Arrival Mode by ICH or SAH Stroke Patient



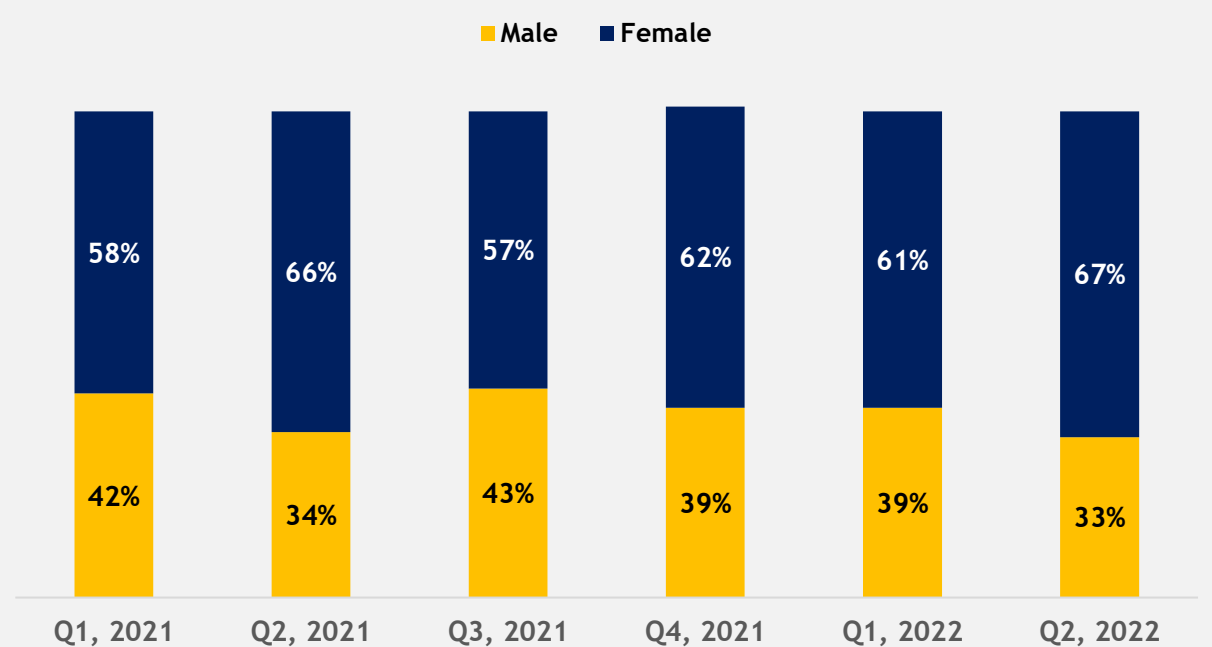
### Discharge

- 7% of SAH patients had no symptoms at discharge
- 4% of ICH patients have no symptoms at discharge
- 10% 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 12 days
- The average length of stay for ICH patients was 9 days

Gender Distribution, ICH (N=438)

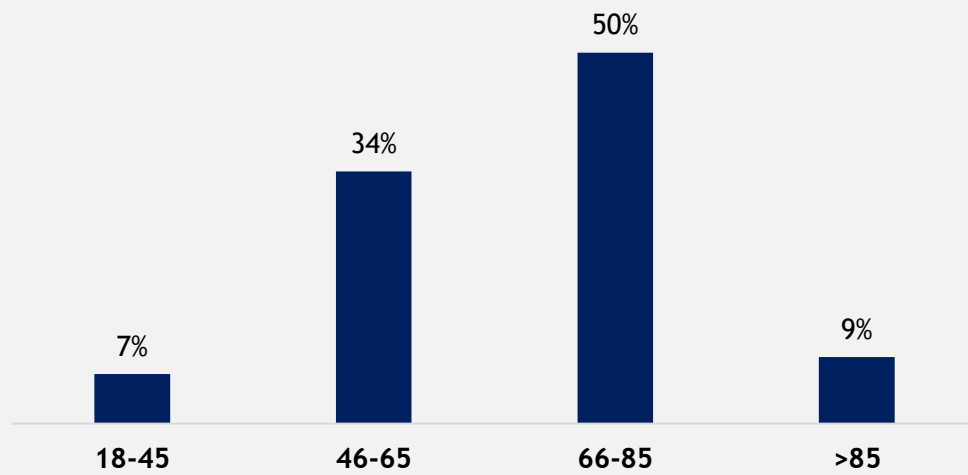


Gender Distributions SAH, 2021 vs Q2 2022

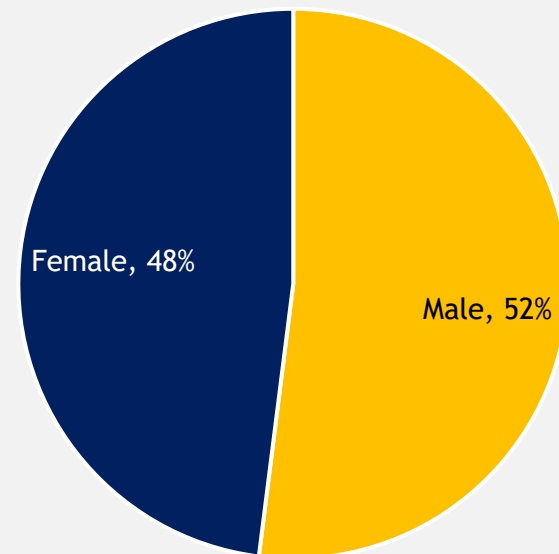


# Ischemic Stroke

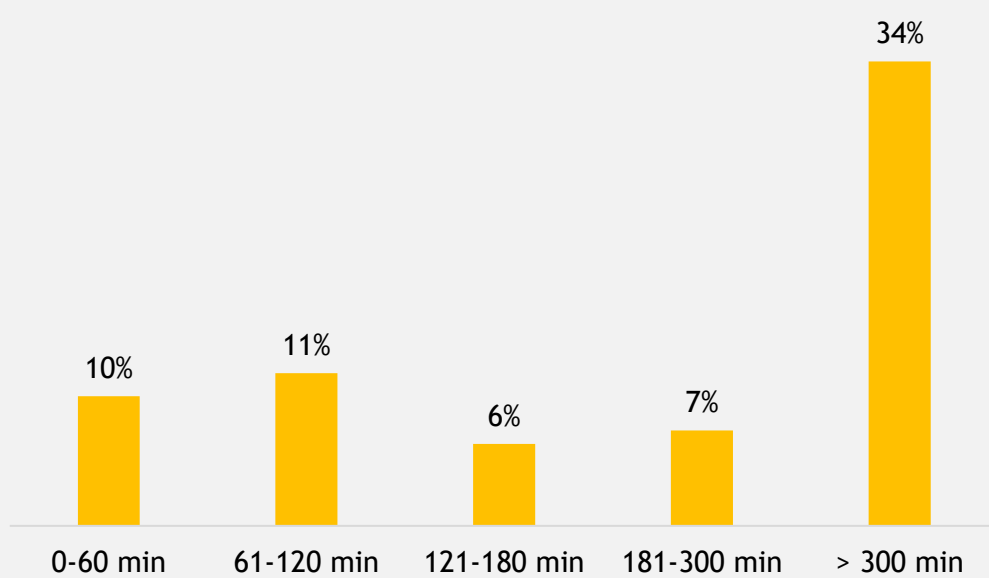
Age Distribution among Ischemic Stroke Patients (N=2275)



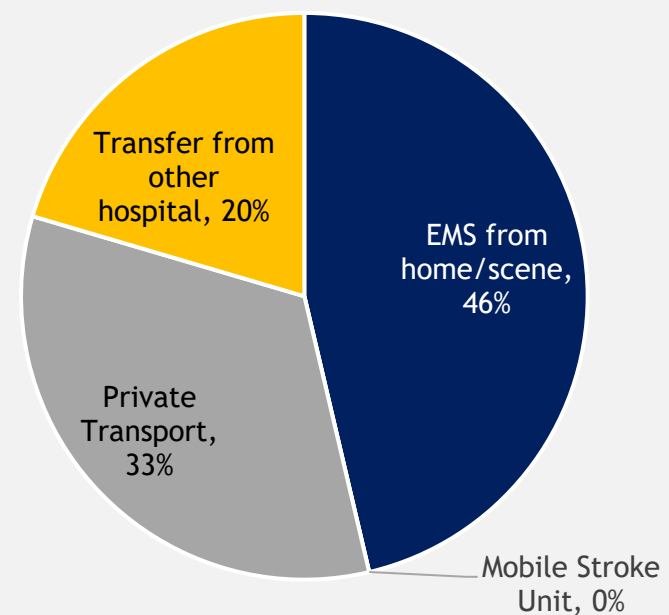
Gender Distribution (N=2275)



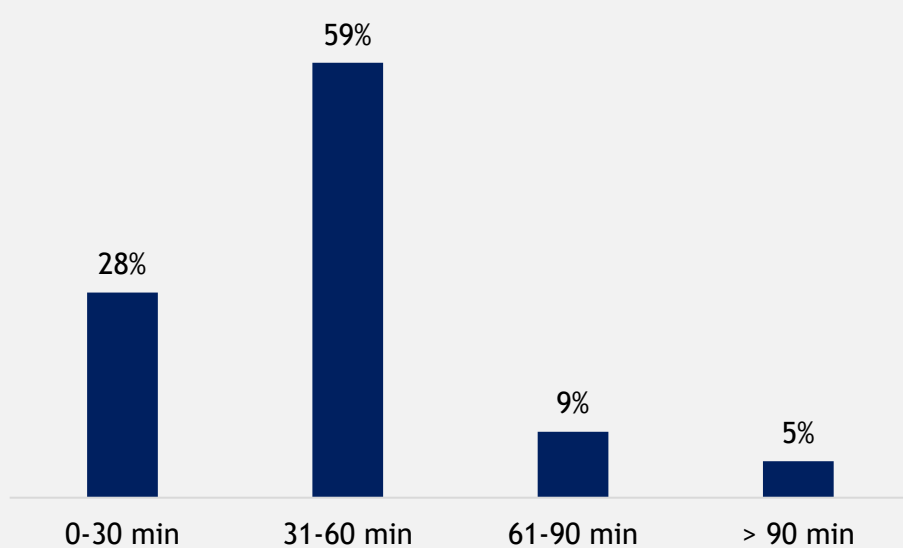
Last Known Well to Arrival Times



Arrival Mode Among Ischemic Stroke Patients (N=2215)



Door To IV rt-PA Times (N=306)



## Discharge

- 10% of patients had no symptoms at discharge
- 14% of patients had moderate to severe disability
- The average length of stay was 6 days



# 2022 Quarter 2 Report

Quarter 2  
April to June 2022

There were  
**3,406** strokes in  
Quarter 2

**4%**

Of strokes were  
subarachnoid  
hemorrhages

**96%** of  
patients  
received IV  
rt-PA within  
90 minutes

## Discharge

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

**8%**

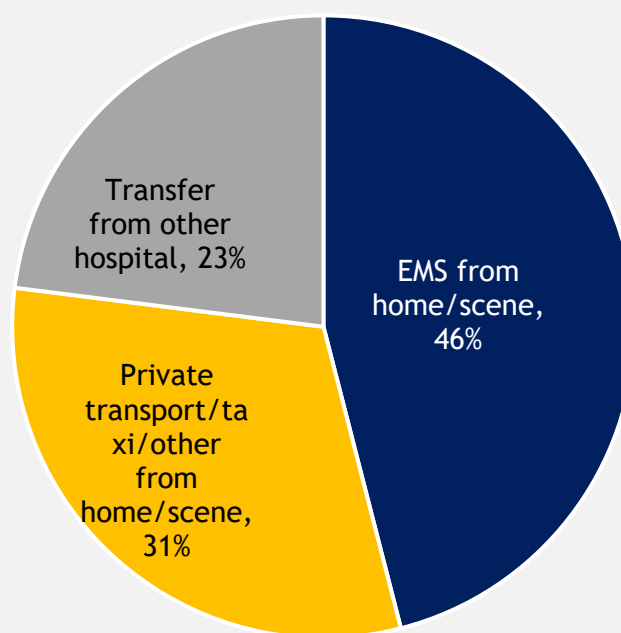
Of strokes  
were  
transient  
ischemic  
attacks

**67%** of  
strokes  
were  
ischemic

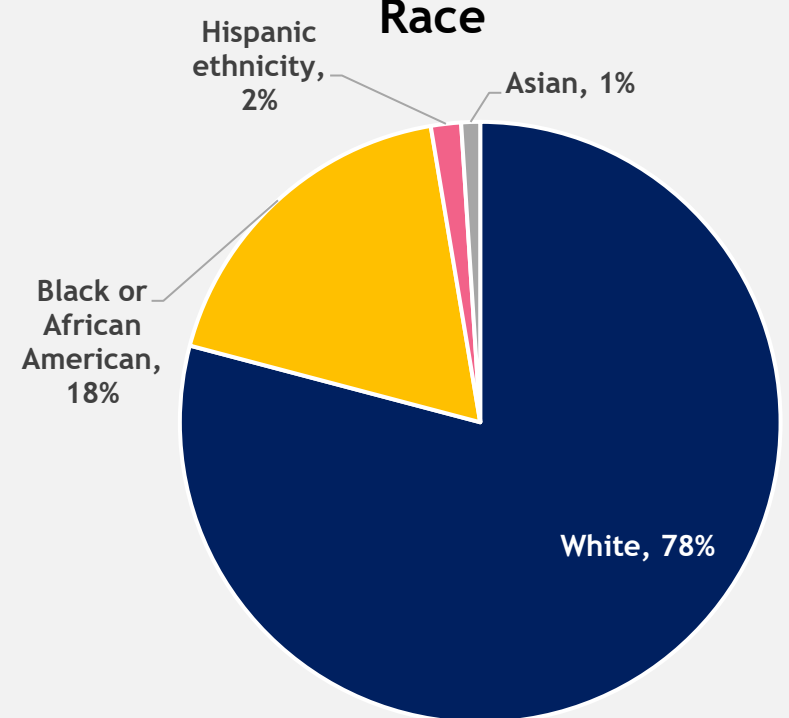
**14%**

Of strokes were  
intracerebral hemorrhages

## Arrival Mode for All Stroke Types



## Race



### Top Reasons for no IV rt-PA initiation:

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

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

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

## Age

- 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 (65%)
- 54% 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