



TEXAS
Health and Human
Services

**Texas Department of State
Health Services**

Emergency Medical Services and Trauma Registries (EMSTR) Stroke Performance Improvement Data

March 7, 2025

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About EMSTR

- EMSTR collects reportable event data from EMS providers, hospitals, justices of the peace, medical examiners, and rehabilitation facilities.
- All submitters must report all runs and reportable trauma events to EMSTR under Texas Administrative Code, Title 25, Chapter 103.
- Per epidemiology best practice, EMSTR suppressed data with less than five records to protect identifiable information; noted with an asterisk (*).

NOTE: An EMS run is a resulting action from a call for assistance where an EMS provider is dispatched to, responds to, provides care to, or transports a person.

Stroke Performance Improvement (PI) Data

January 1, 2022- June 30, 2024



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Inclusion Criteria – All Suspected Strokes

- Primary symptom, other associated symptom, provider's primary impression or provider's secondary impression variables included International Classification of Diseases Tenth Revision (ICD-10) codes:
 - G45 – Transient cerebral ischemic attacks and related syndromes
 - G46 – Vascular syndromes of brain in cerebrovascular diseases
 - I60 – Nontraumatic subarachnoid hemorrhage
 - I61 – Nontraumatic intracerebral hemorrhage
 - I63 – Cerebral infarction
- Protocols used were “Medical – Stroke/TIA”.¹
- Stroke Scale Result was “Positive”.
- 2024 data is from January 1–June 30, 2024. This data is preliminary as of January 7, 2025. Preliminary data is subject to change.

¹ TIA = transient ischemic attack

Suspected Stroke Numbers

	2022	2023	1 st half 2024*
Total Suspected Stroke Patients	59,752	57,082	32,973

*2024 data is from January 1–June 30, 2024. This data is preliminary as of January 7, 2025.

Suspected Stroke by Sex

Sex	2022	2023	1 st half 2024*
Male	28,521	27,275	16,144
Female	30,894	29,632	16,755
Missing / Not Recorded	337	175	74

*2024 data is from January 1–June 30, 2024. This data is preliminary as of January 7, 2025.

Stroke Scale Status for Suspected Stroke Patients

Status	2022	2023	1 st half 2024*
Stroke Scale Performed	28,192	32,863	21,650
Percentage	47.18%	57.57%	65.66%
Not Applicable	11,326	0	0
Percentage	18.96%	0.00%	0.00%
Not Recorded	20,234	24,219	11,323
Percentage	33.86%	42.43%	34.34%
Totals	59,752	57,082	32,973

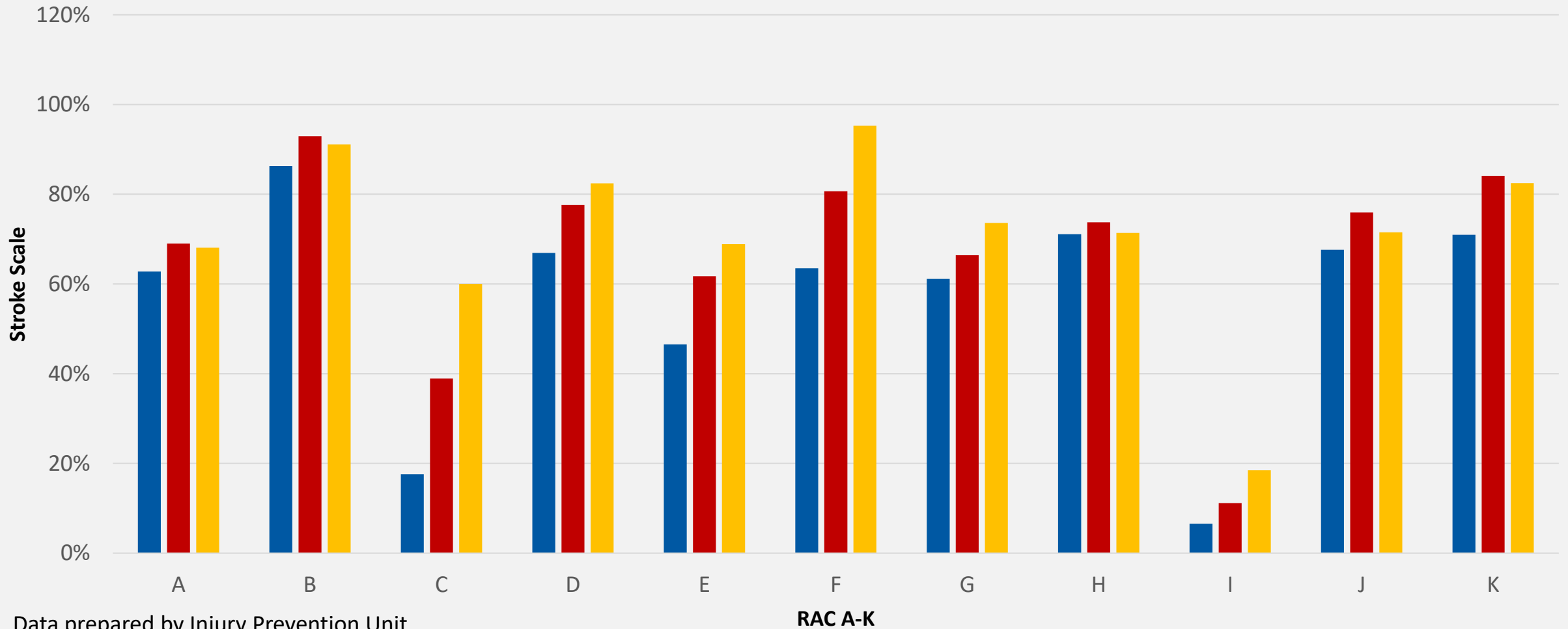
*2024 data is from January 1–June 30, 2024. This data is preliminary as of January 7, 2025.

Stroke Scale Performed by Sex for Suspected Stroke Patients

Sex	2022	2023	1 st half 2024*
Male	13,346	15,733	10,597
Percentage	46.79%	57.68%	65.64%
Female	14,772	17,070	11,004
Percentage	47.82%	57.61%	65.68%

*2024 data is from January 1 – June 30, 2024. This data is preliminary as of January 7, 2025.

Stroke Scale Performed by RAC* A-K for Suspected Stroke Patients

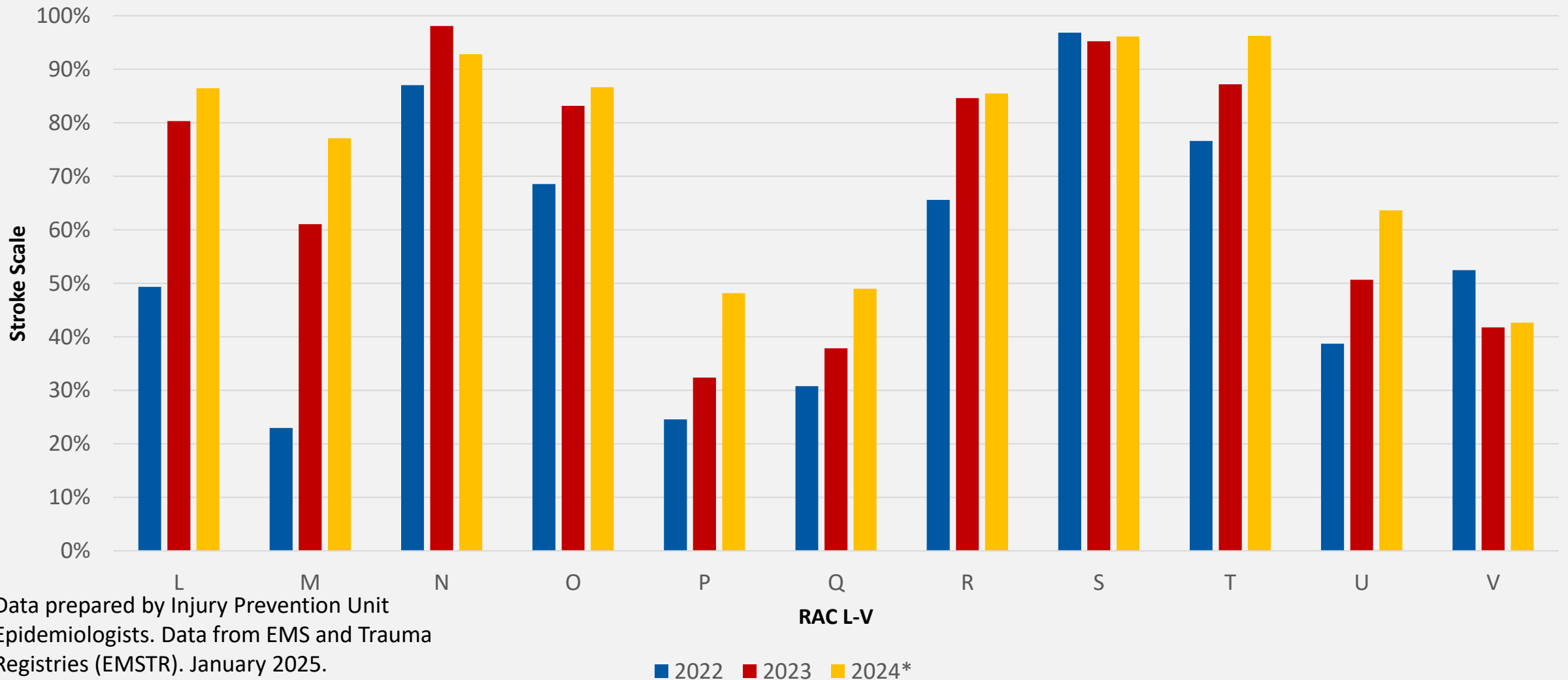


Data prepared by Injury Prevention Unit
Epidemiologists. Data from EMS and Trauma
Registries (EMSTR). January 2025.

■ 2022 ■ 2023 ■ 2024*

RAC = Regional Advisory Council

Stroke Scale Performed by RAC L-V for Suspected Stroke Patients



Data prepared by Injury Prevention Unit
Epidemiologists. Data from EMS and Trauma
Registries (EMSTR). January 2025.

■ 2022 ■ 2023 ■ 2024*

Thank you!

EMSTR Stroke PI data

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