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

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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

TEXAS
Health and Human
Services | Texas Department of State
Health Services

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	1st 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

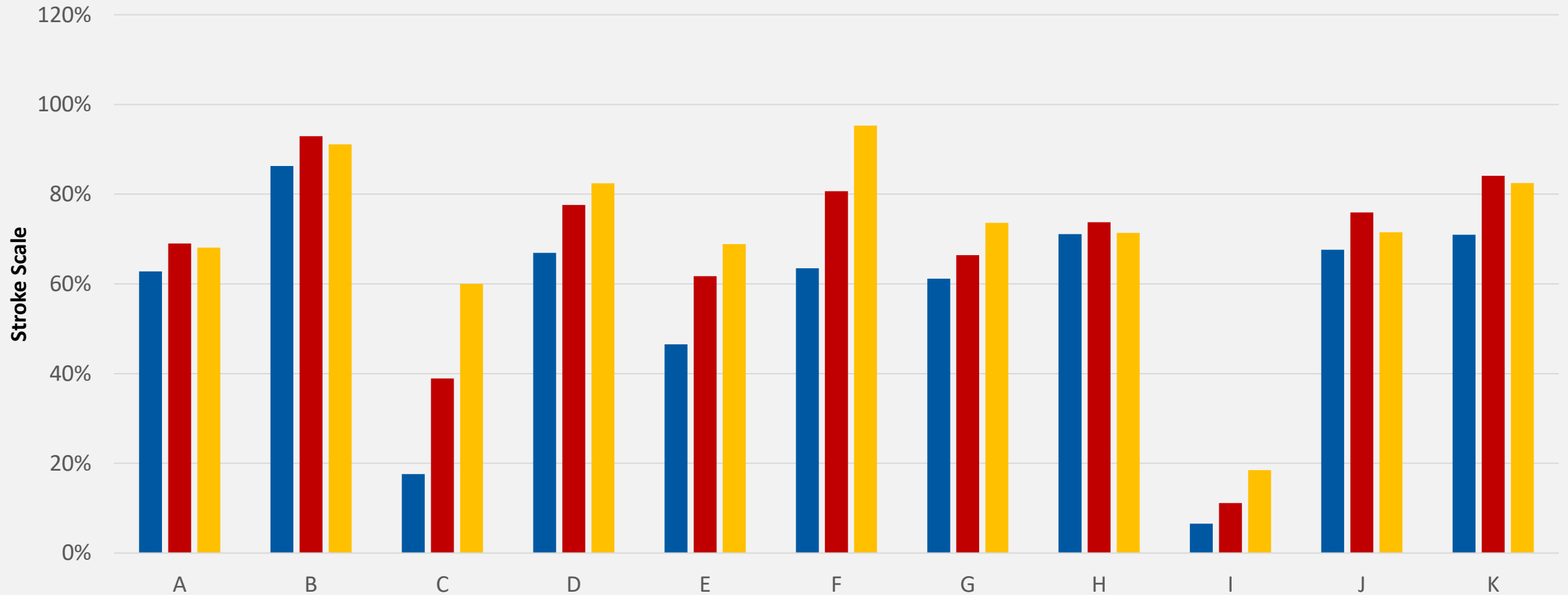| Sex	2022	2023	1st half 2024*
Male	28,521	27,275	16,144
Female	30,894	29,632	16,755
Missing / Not Recorded	337	175	74

*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	1st 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.

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

Stroke Scale Performed by Sex for Suspected Stroke Patients

Sex	2022	2023	1st 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%

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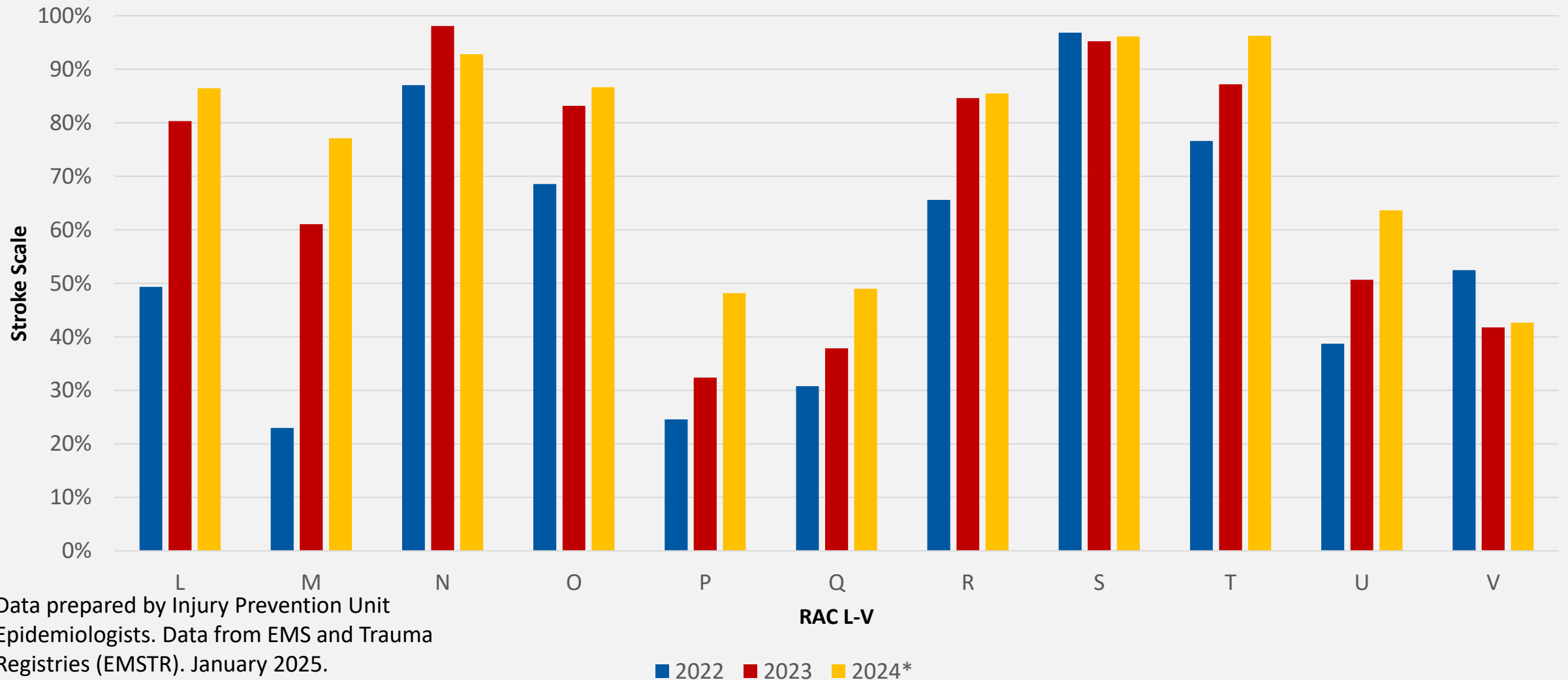

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RAC = Regional Advisory Council

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.

Thank you!

EMSTR Stroke PI data

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