



TEXAS
Health and Human
Services

**Texas Department of State
Health Services**

**Emergency Medical Services and
Trauma Registries (EMSTR)
Severe Trauma Transfer Delay
Performance Improvement Data,
Texas**

June 6, 2025

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Injury Prevention Unit Director

About EMSTR

- EMSTR collects reportable event data from EMS providers, hospitals, justices of the peace, medical examiners, Long Term Acute Care (LTAC) facilities, and rehabilitation facilities.
- All submitters must report all EMS runs and reportable trauma events to EMSTR under Texas Administration Code, Title 25, Chapter 103.
- 2024 data is from January 1, 2024-June 30, 2024, and is preliminary as of April 9, 2025.

Severe Trauma Transfer Delay Performance Improvement (PI) Data, Texas

January 1, 2022-June 30, 2024



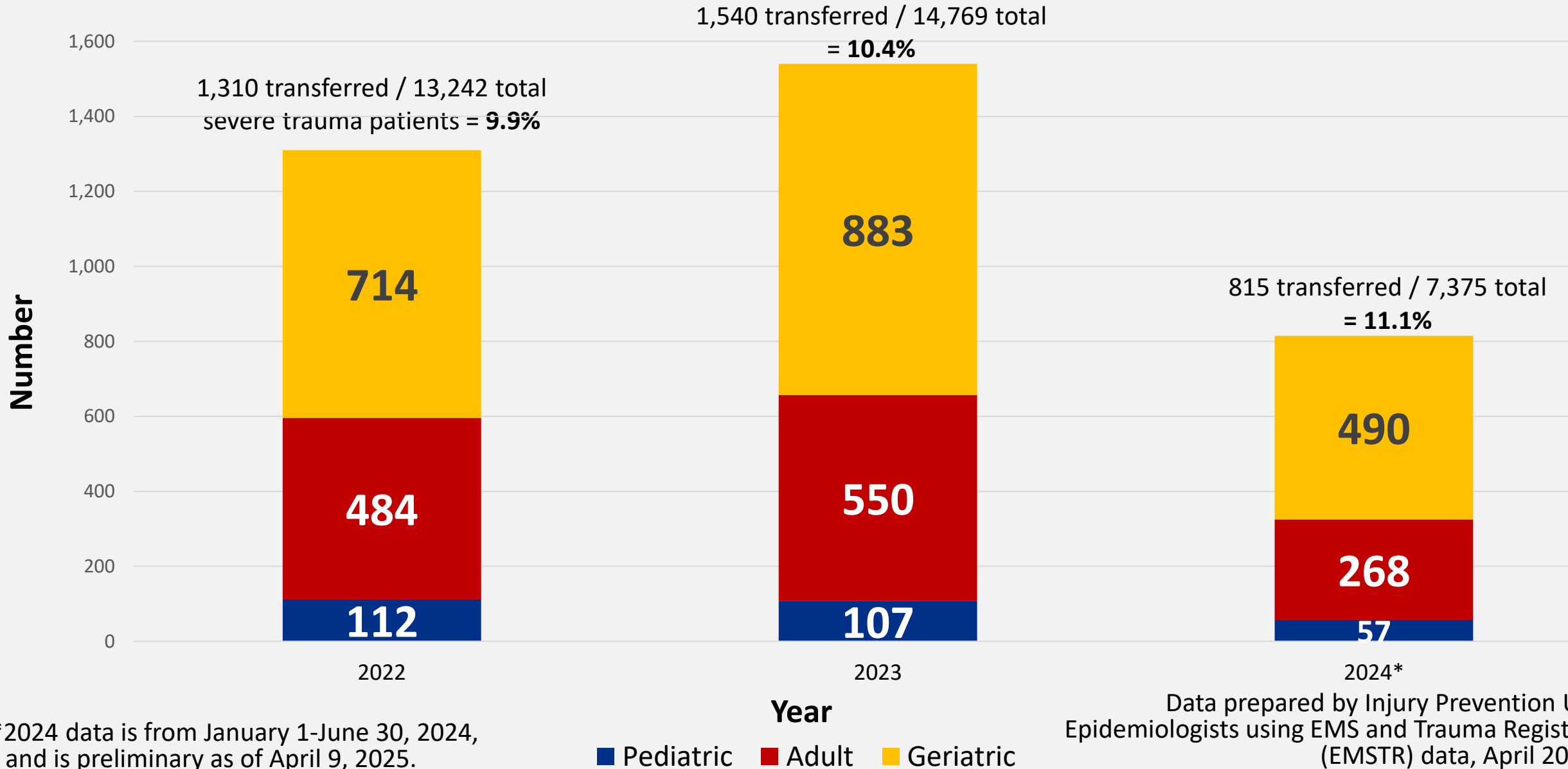
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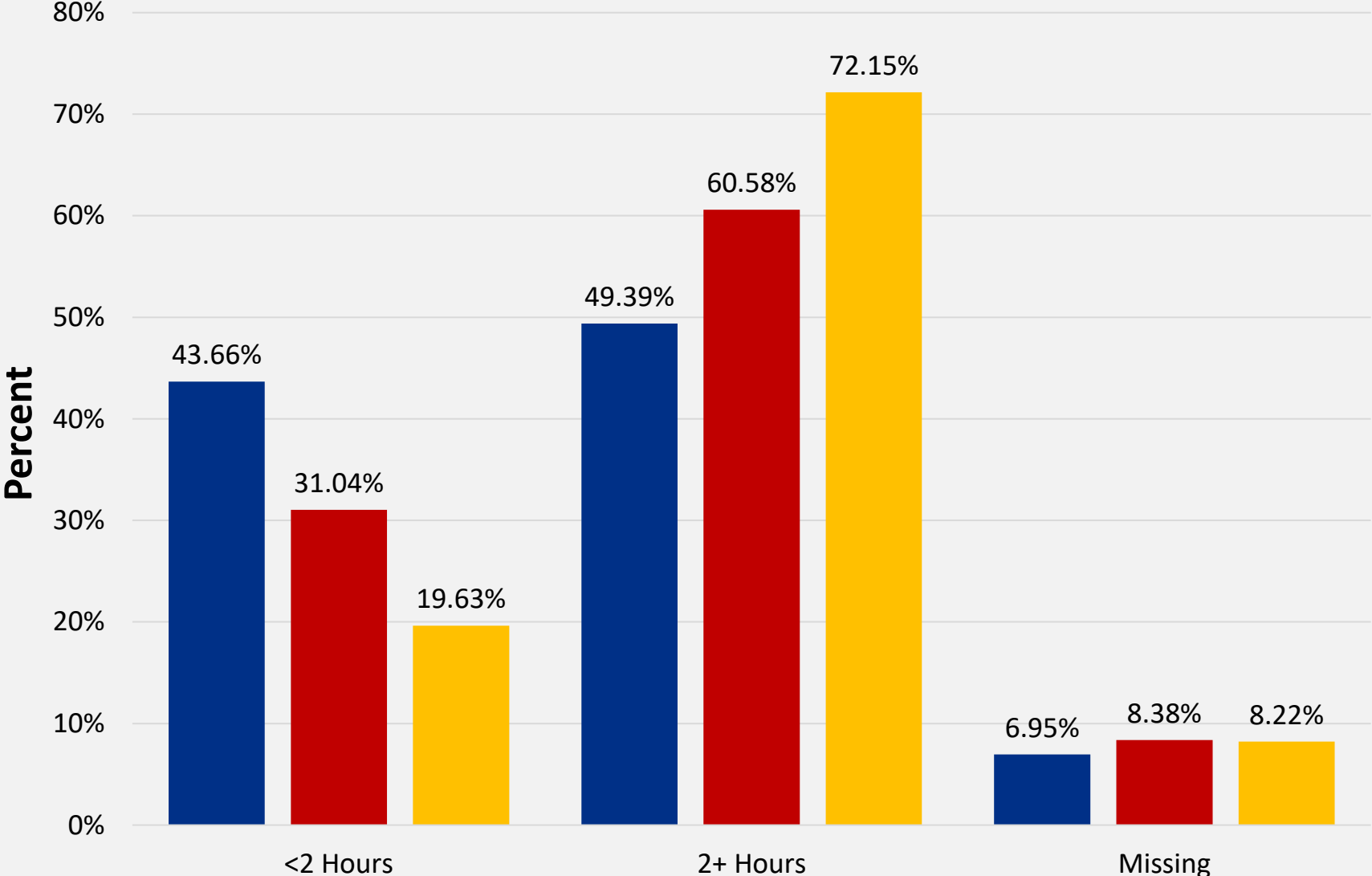
Transfer Delay Definitions

- Severe trauma patients are injured patients with:
 - Geriatric (65+) = Glasgow Coma Scale (GCS) <9 or Systolic Blood Pressure (SBP) <110.
 - Adults (15-64) = GCS <9 or SBP <90.
 - Pediatric (children less than 15) = GCS <9 or SBP <70 + 2 x (the child's age in years).
 - Note: SBP is the arrival SBP at the hospital.
- Transfer time = the time from arrival to departure from sending facility for transferred patients.
- Transfer delay = defined as two (2) or more hours from arrival to departure.

Severe Trauma Patients – Total Number Transferred



Severe Trauma Transfer Times – All Ages



Number of Severe Trauma Transfers

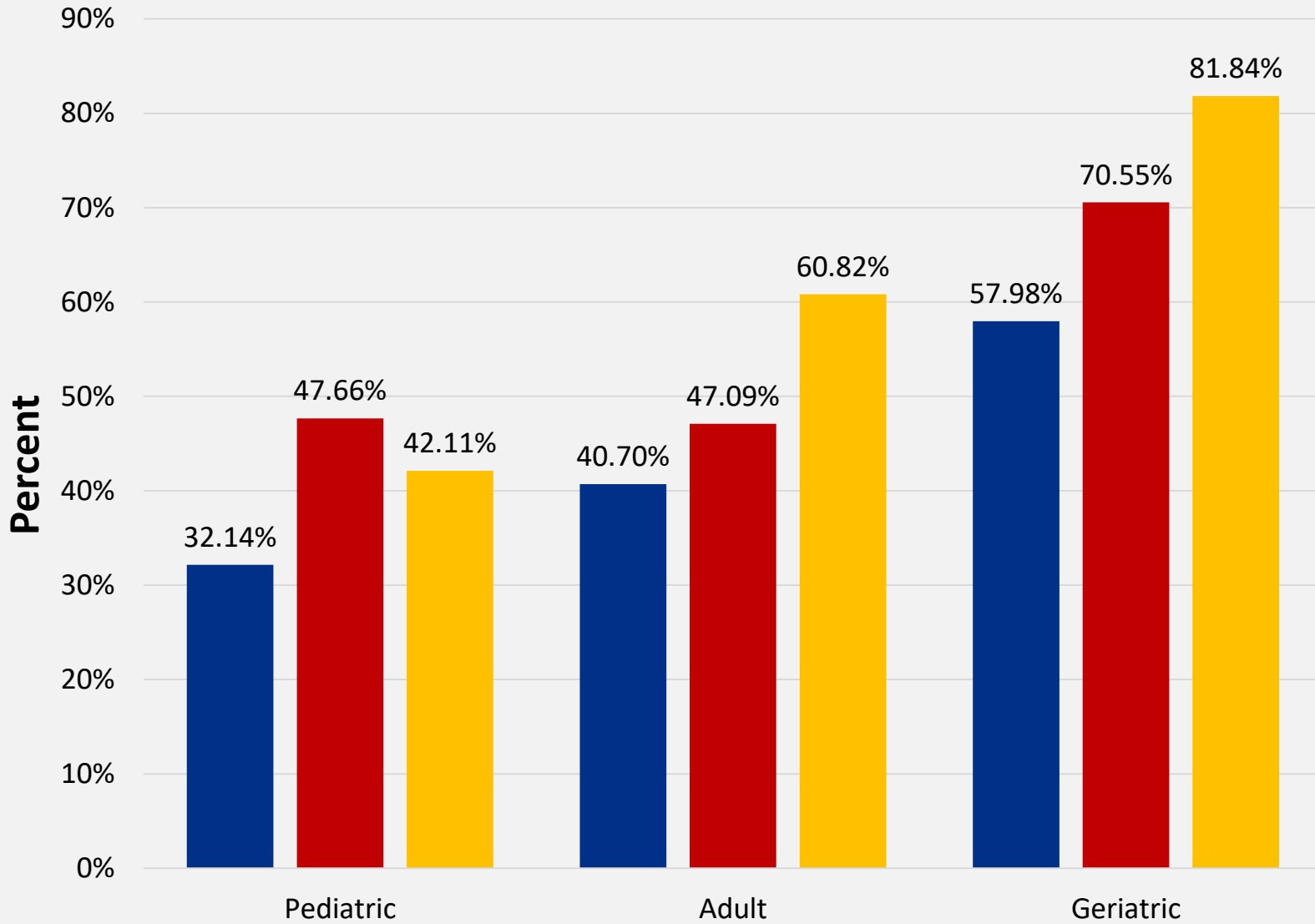
	2022	2023	2024*
<2 Hours	572	478	160
2+ Hours	647	933	588
Missing	91	129	67

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■ 2022 ■ 2023 ■ 2024*

Data prepared by Injury Prevention Unit Epidemiologists using EMSTR data, April 2025.

Severe Trauma Transfer 2+ Hours by Age Category



**Number Transferred in 2+ Hours /
Number Severe Trauma Transfers**

	2022	2023	2024*
Pediatric	36/112	51/107	24/57
Adult	197/484	259/550	163/268
Geriatric	414/714	623/883	401/490

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■ 2022 ■ 2023 ■ 2024*

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Epidemiologists using EMSTR data, April 2025.

Severe Trauma Transfer Time by Sex

Sex	Transfer Time	2022	2023	1 st half 2024*
Male	Less than 2 hours	379 (46.56%)	313 (33.95%)	111 (22.38%)
	2+ hours	388 (47.67%)	532 (57.70%)	344 (69.35%)
Female	Less than 2 hours	193 (38.91%)	159 (26.11%)	49 (15.36%)
	2+ hours	259 (52.22%)	398 (65.35%)	244 (76.49%)

NOTE: Data excludes missing times, so totals will not equal 100%.

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Severe Trauma Transfer Time by Race

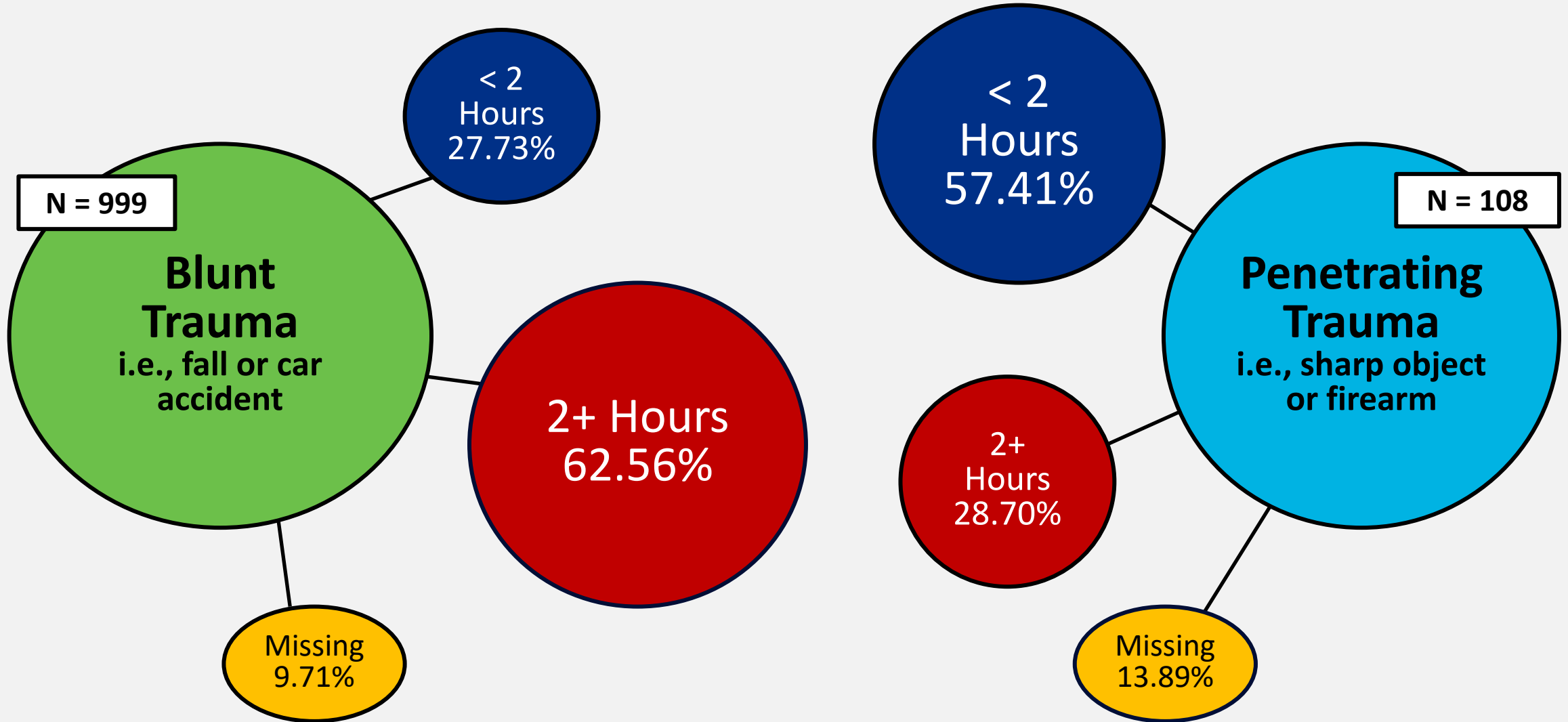
Race	Transfer Time	2022	2023	1 st half 2024*
White	Less than 2 hours	421 (41.64%)	342 (28.26%)	118 (18.27%)
	2+ hours	513 (50.74%)	765 (63.22%)	475 (73.53%)
Black	Less than 2 hours	57 (44.53%)	63 (46.32%)	18 (23.68%)
	2+ hours	63 (49.22%)	63 (46.32%)	47 (61.84%)

NOTE: Data excludes missing times, so totals will not equal 100%.

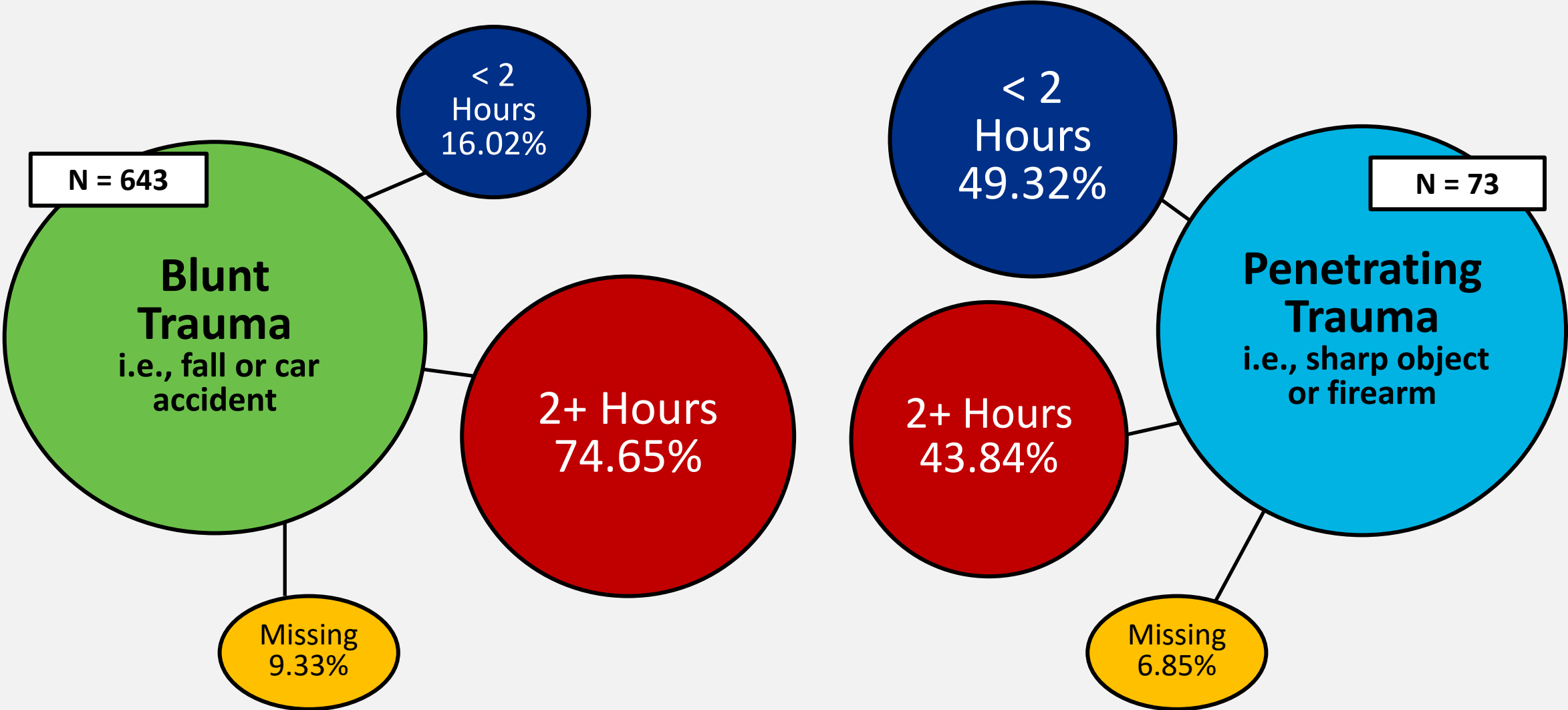
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Severe Trauma Transfer Time by Trauma Type – 2023



Severe Trauma Transfer Time by Trauma Type – 2024*



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Severe Trauma Transfer Numbers by Designation Level, 2022-June 30, 2024

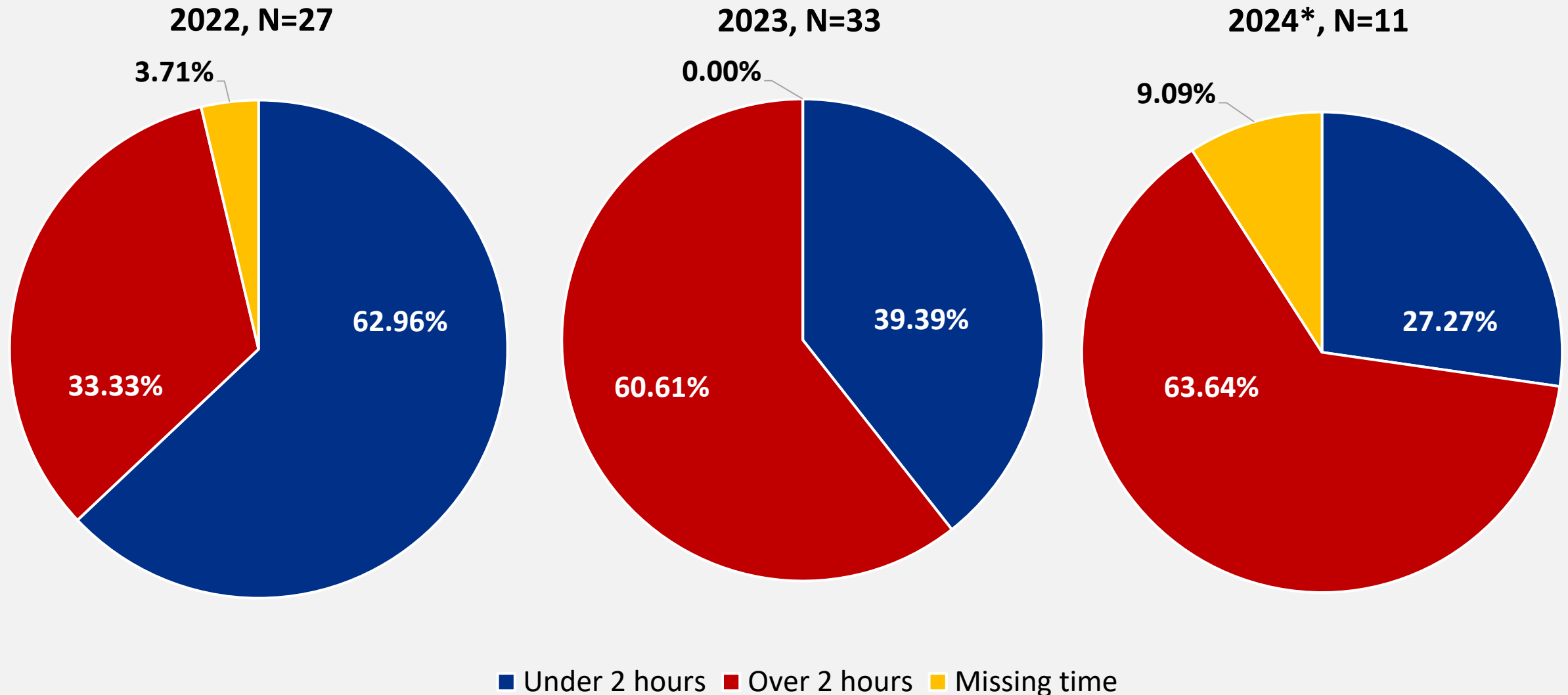
Trauma Designation*	2022	2023	2024**
Level I	27	33	11
Level II	61	61	49
Level III	330	354	226
Level IV	714	840	466

*This data includes designated facilities only and does not include not designated or missing.

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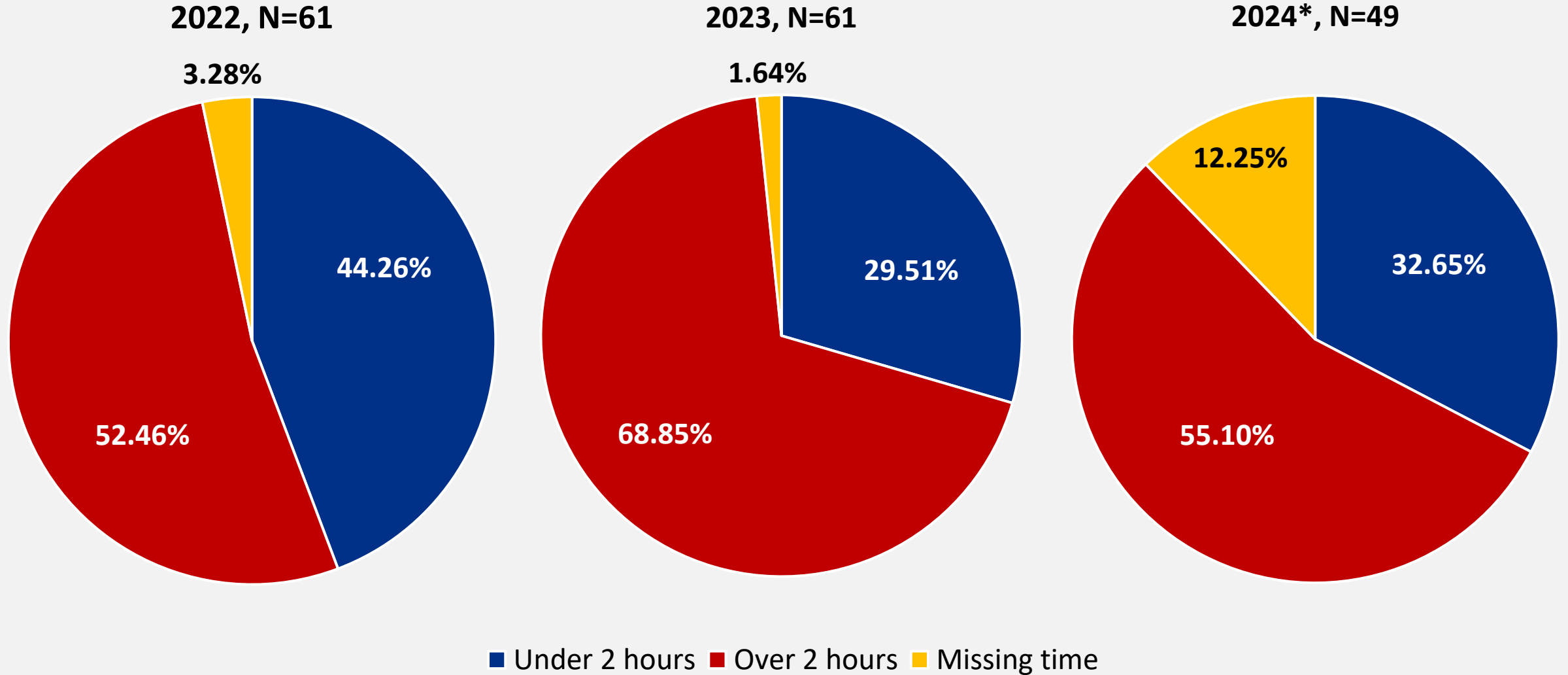
Severe Trauma Transfer Time by Trauma Designation Level I



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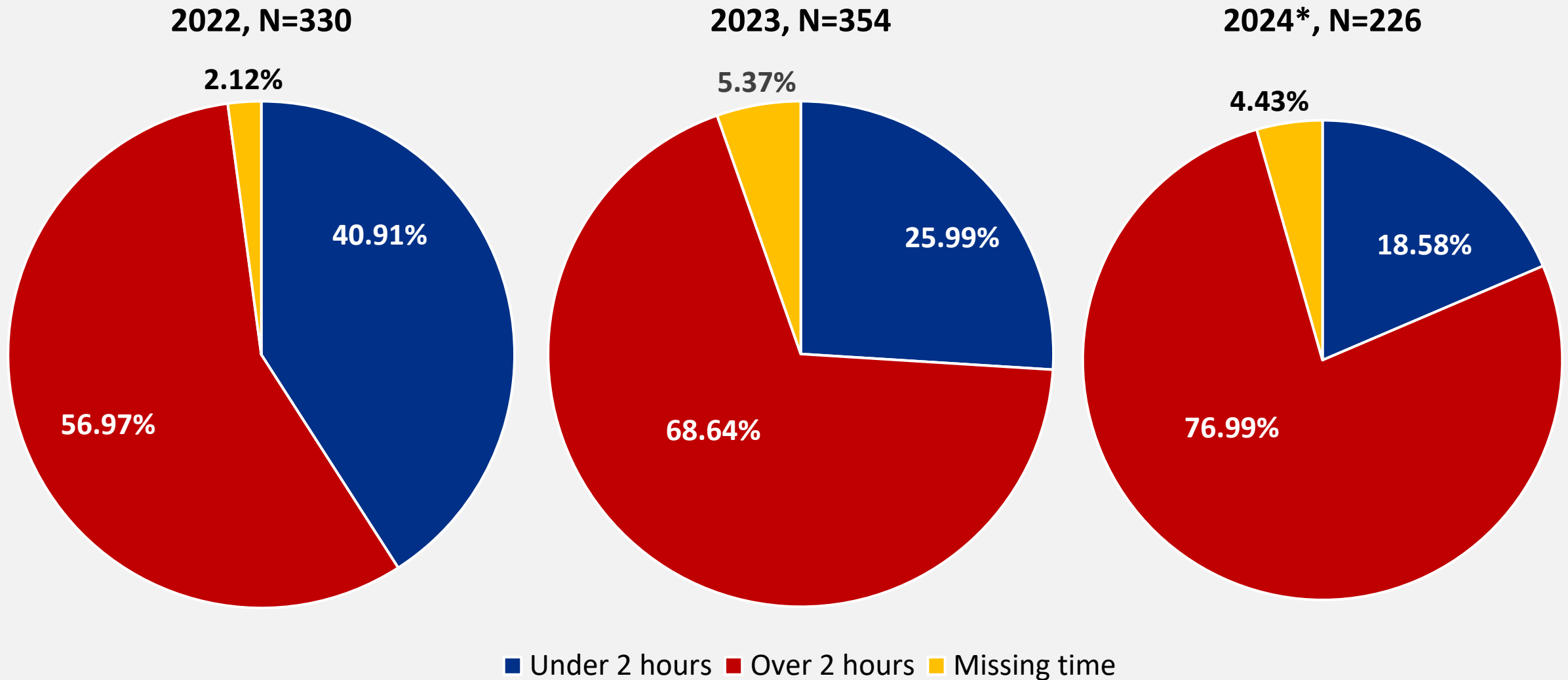
Severe Trauma Transfer Time by Trauma Designation Level II



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Data prepared by Injury Prevention Unit Epidemiologists using EMSTR data, April 2025.

Severe Trauma Transfer Time by Trauma Designation Level III

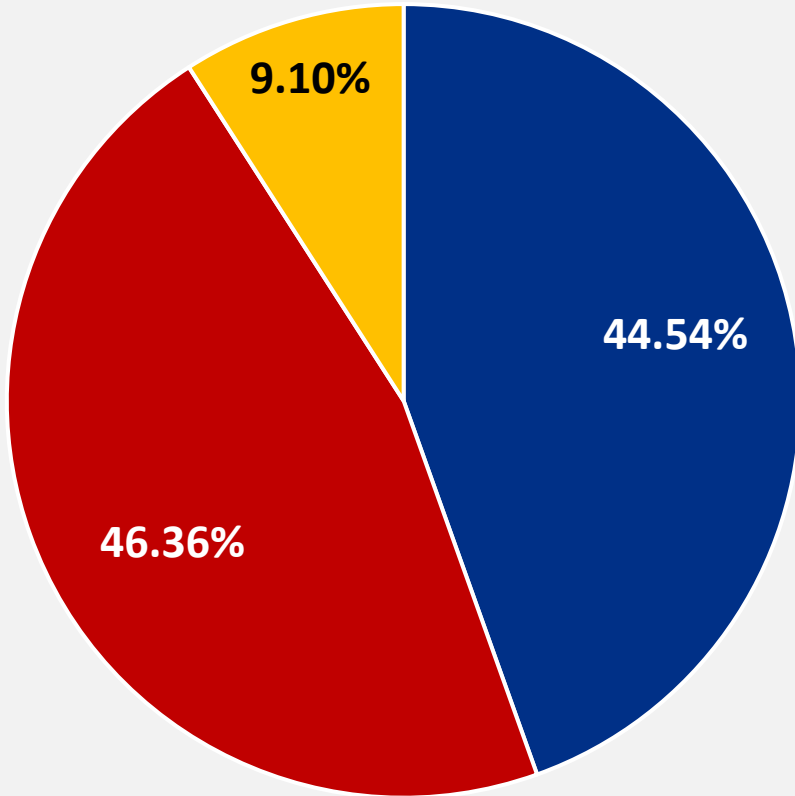


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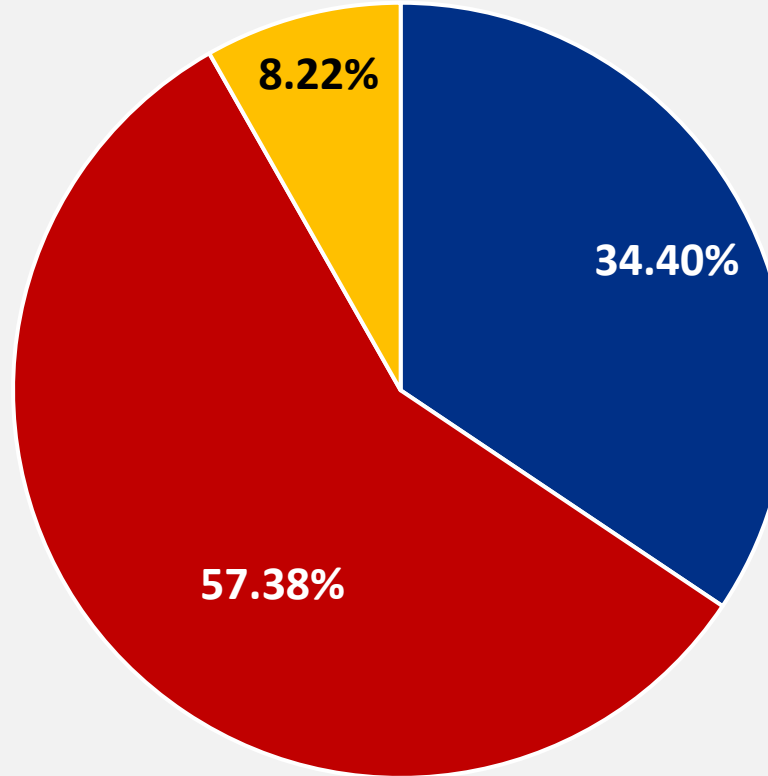
Data prepared by Injury Prevention Unit Epidemiologists using EMSTR data, April 2025.

Severe Trauma Transfer Time by Trauma Designation Level IV

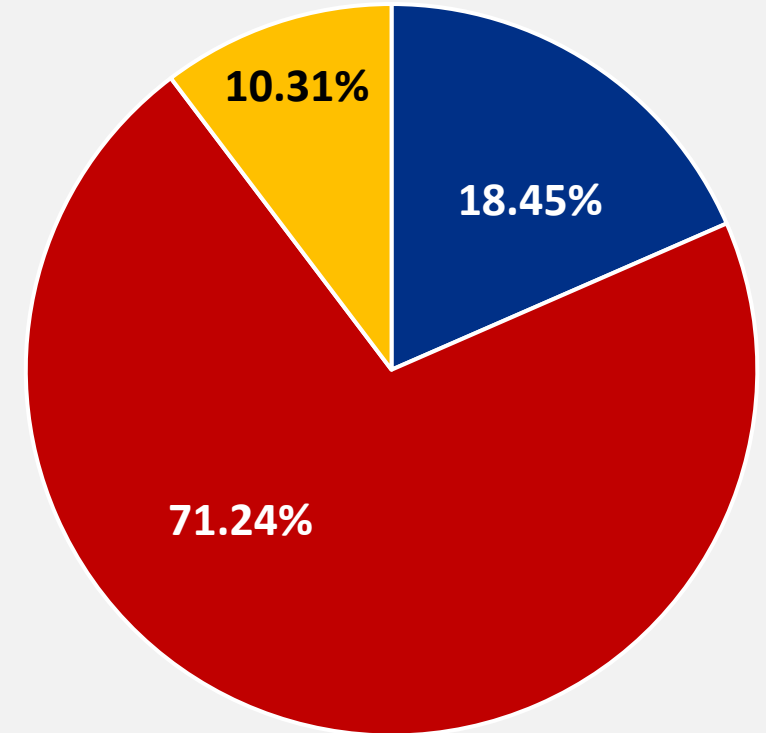
2022, N=714



2023, N=840



2024*, N=466

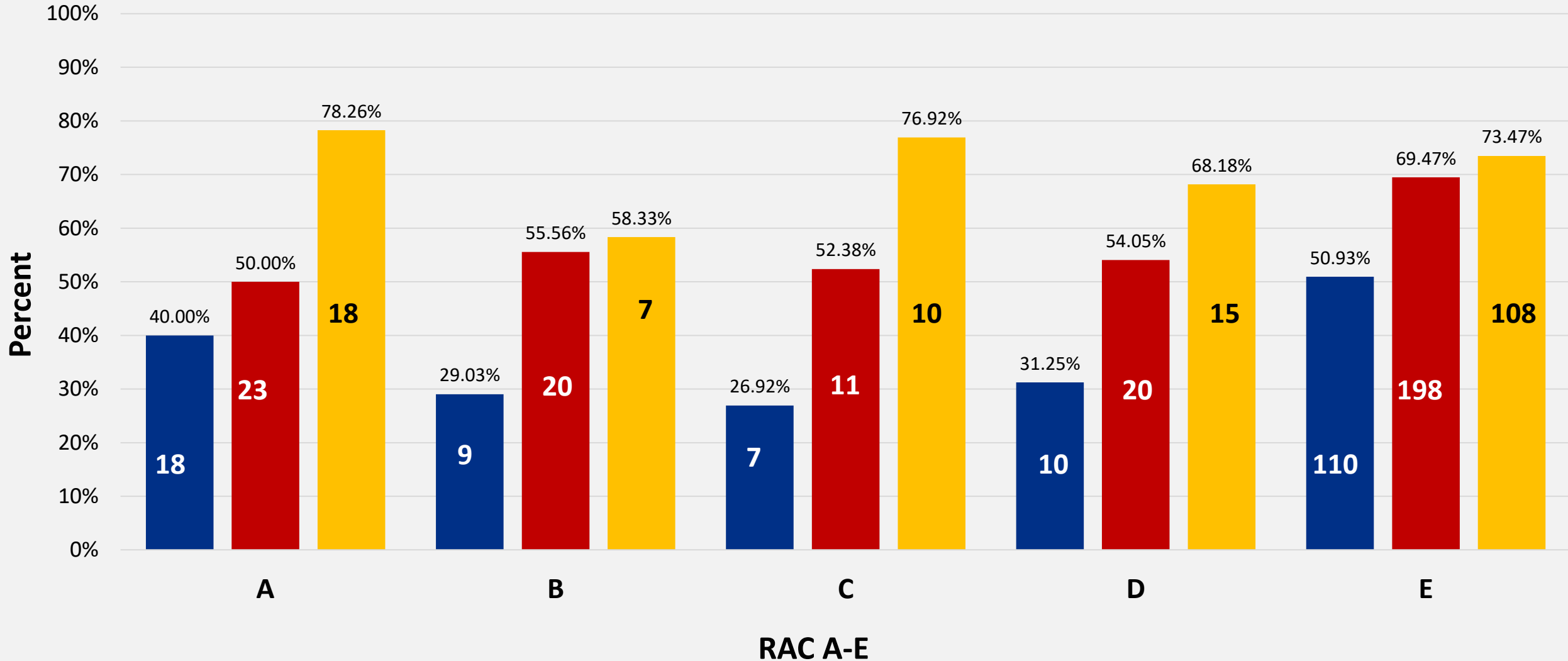


■ Under 2 hours ■ Over 2 hours ■ Missing time

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Severe Trauma Transfer Delay 2+ Hours by Regional Advisory Council (RAC) A-E

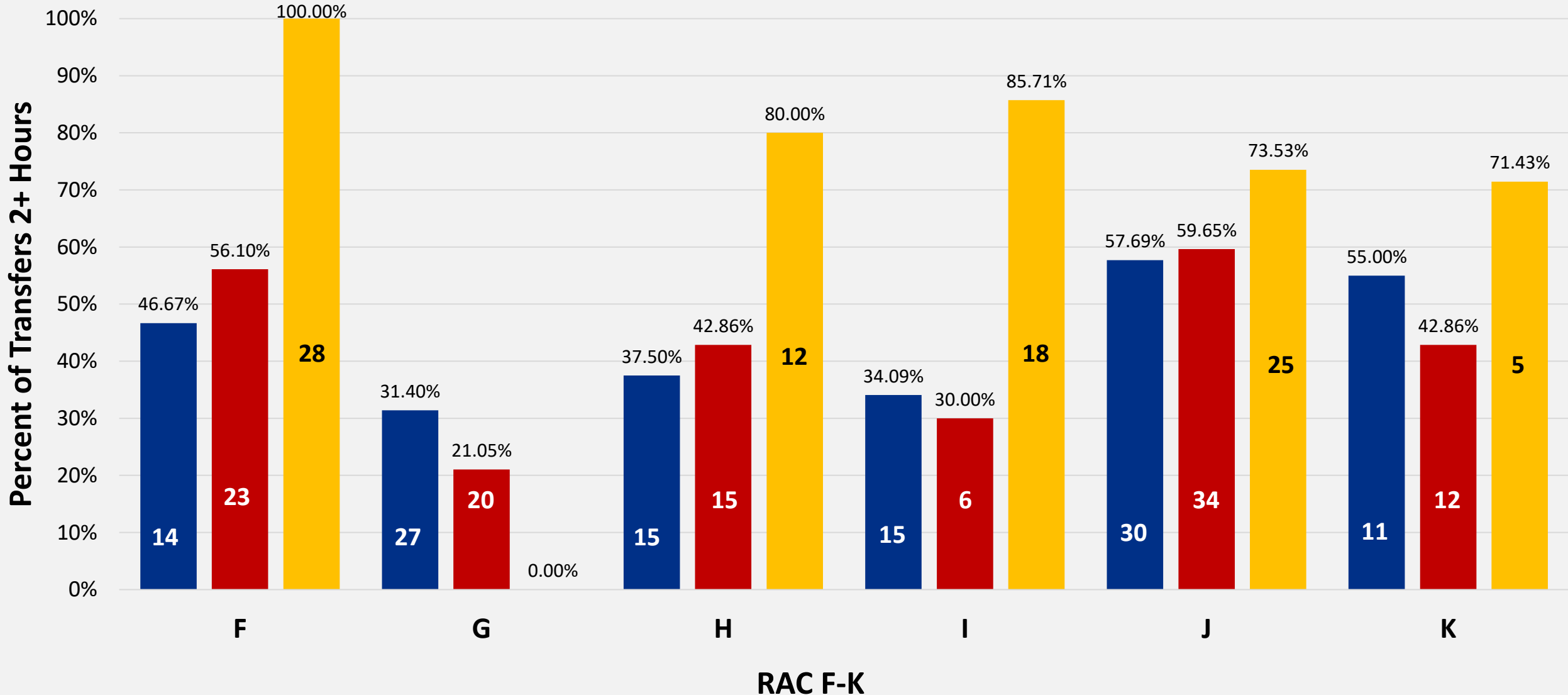


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Severe Trauma Transfer Delay 2+ Hours by RAC F-K

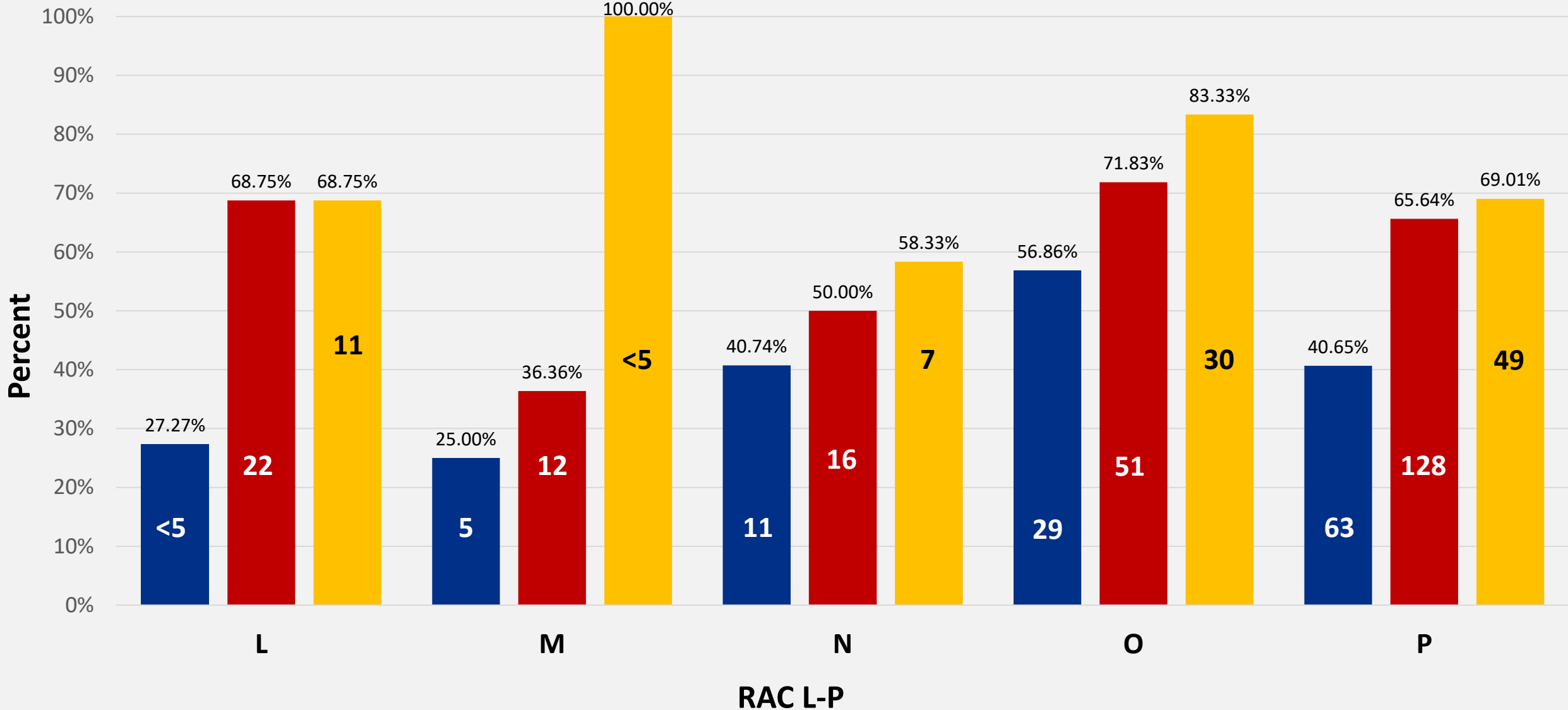


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Severe Trauma Transfer Delay 2+ Hours by RAC L-P

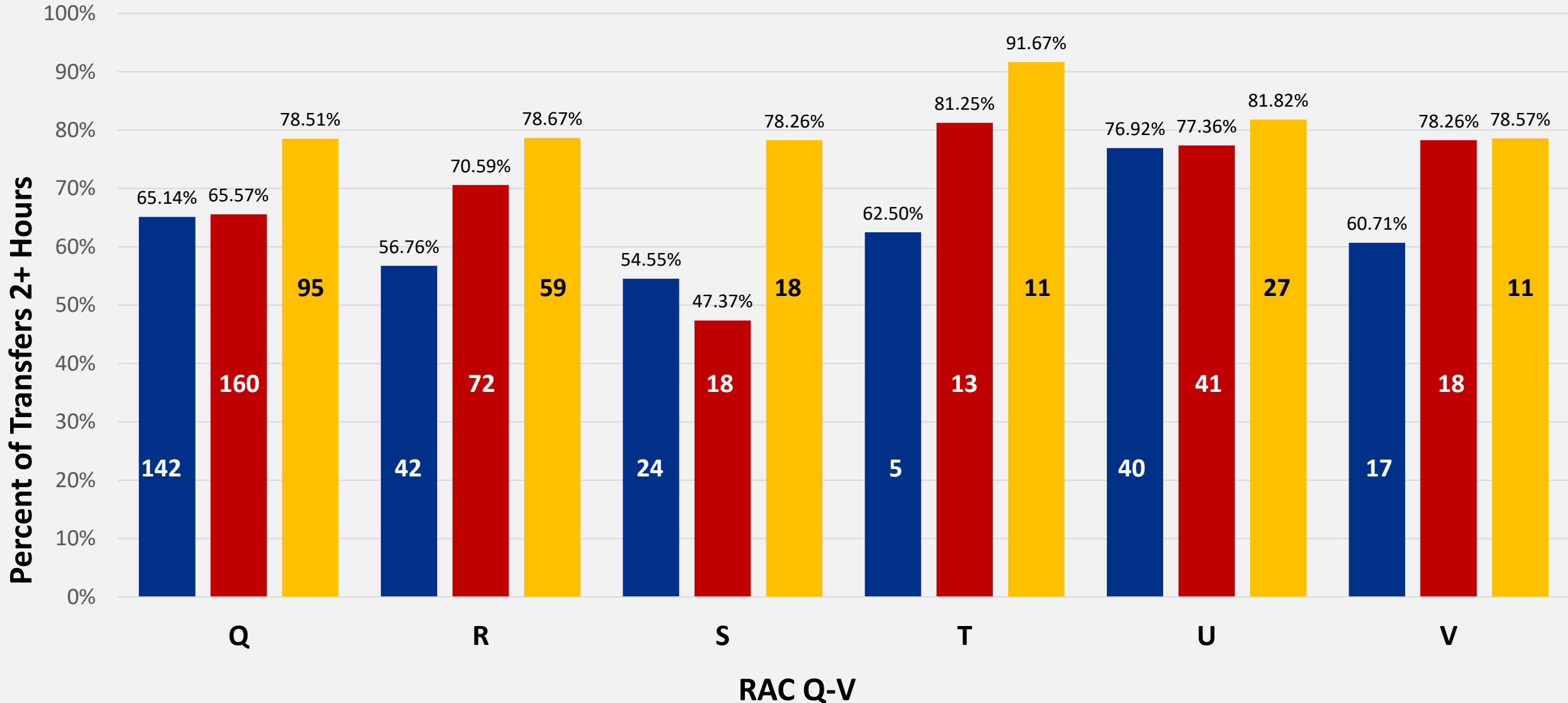


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■ 2022 ■ 2023 ■ 2024*

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Severe Trauma Transfer Delay 2+ Hours by RAC Q-V



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Thank you!

EMSTR Severe Trauma Transfer Delay PI Data, Texas

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