

Trauma hospitalizations, pediatric vs. non- pediatric facilities, 2013

Injury Epidemiology & Surveillance Branch

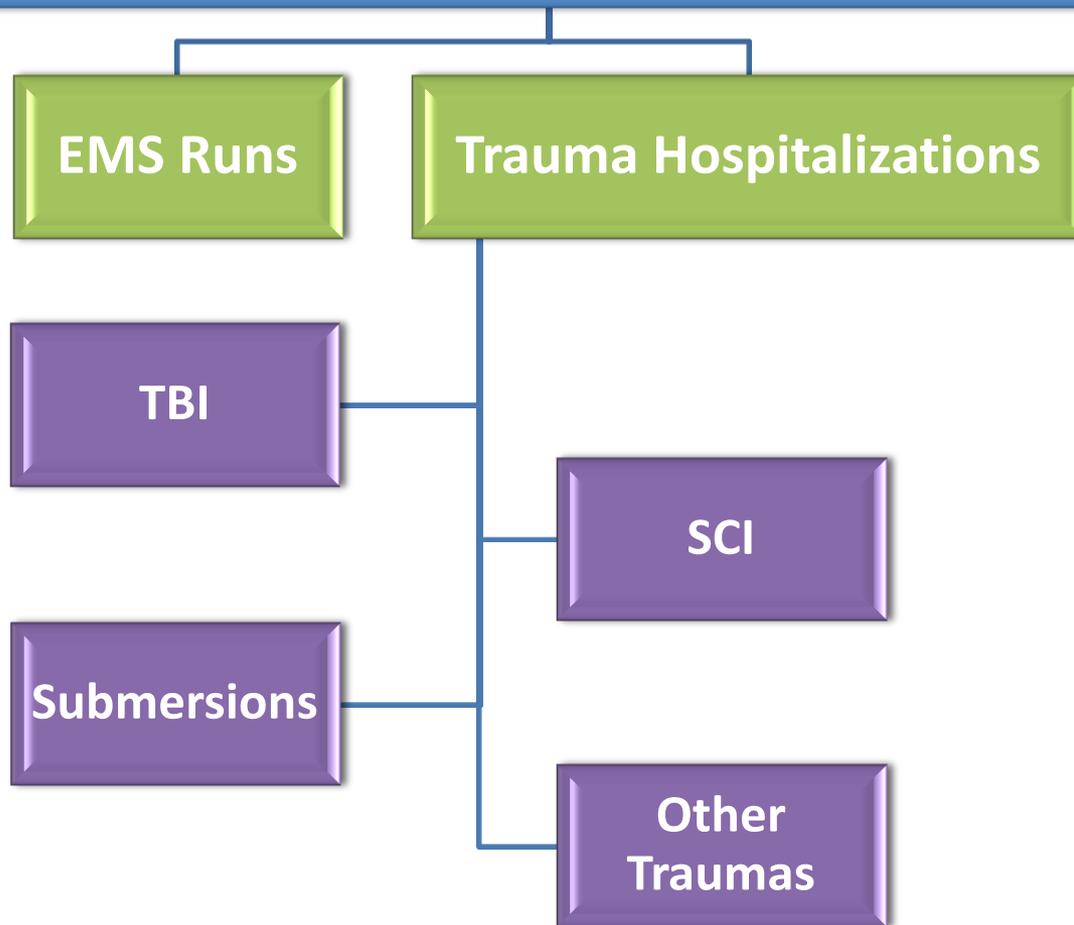
Environmental & Injury Epidemiology and Toxicology Unit
Environmental Epidemiology and Disease Registries Section
Texas Department of State Health Services



Report summary

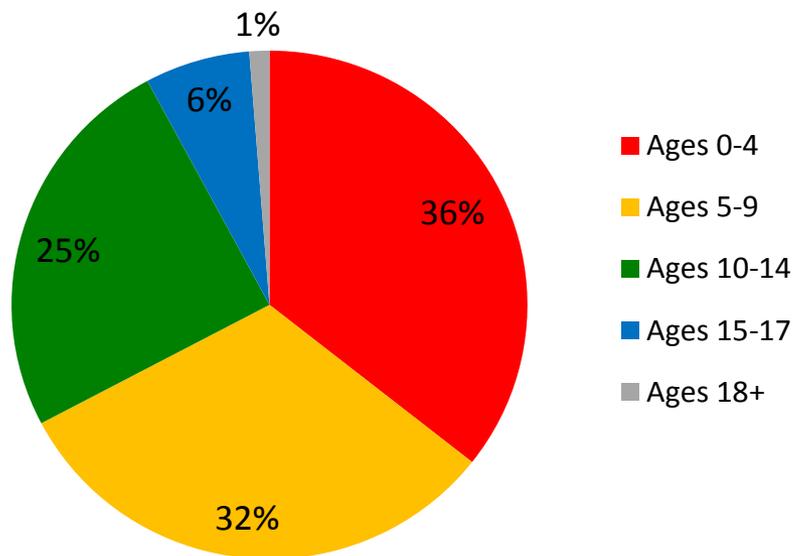
- The following report was generated with hospitalization records submitted to the Texas EMS & Trauma Registries in 2013 for patients less than 18 years of age.
- This report includes only data on records that were reported to the Registries through a passive surveillance system.
- Results are from the final 2013 trauma hospitalization dataset.
- In 2013, 11 pediatric facilities reported pediatric trauma hospitalizations, and 323 non-pediatric facilities reported pediatric trauma hospitalizations.

State EMS & Trauma Registries

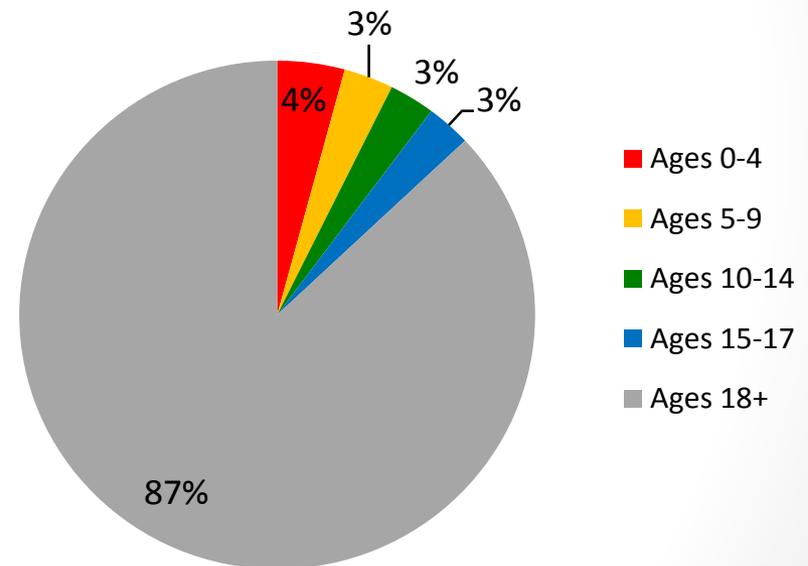


2013 hospitalizations by age and facility type, all ages

Pediatric facilities*



Non-pediatric facilities**

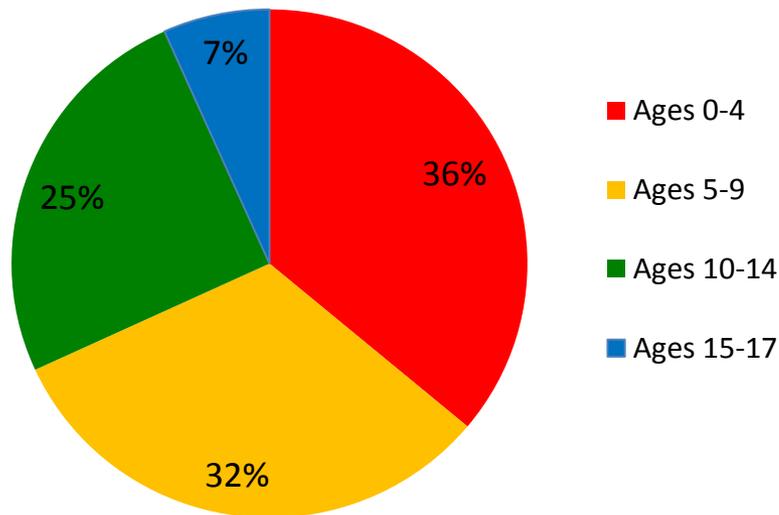


* 0.00% cases missing age

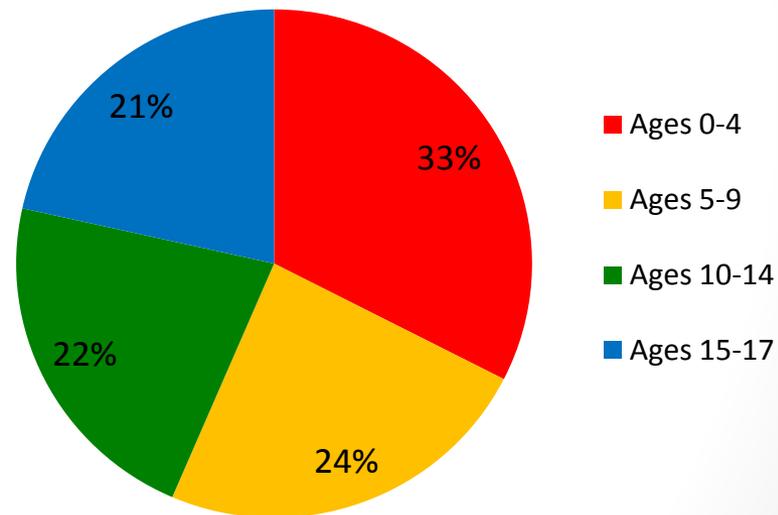
** 0.05% cases missing age

2013 hospitalizations by age and facility type, children <18 years

Pediatric facilities



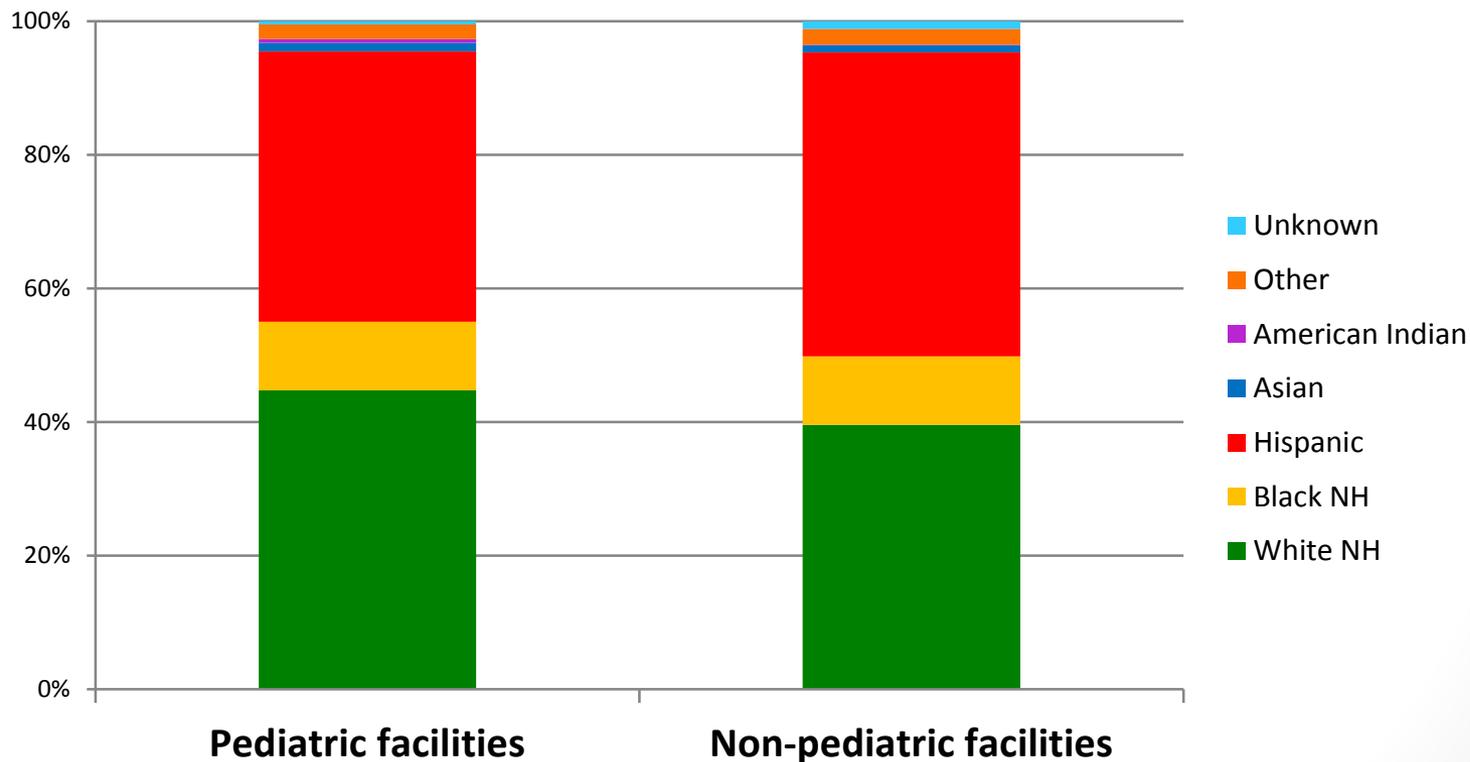
Non-pediatric facilities



2013 hospitalizations by sex and facility type, children <18 years

	Pediatric facilities	%	Non-pediatric facilities	%
Male	4825	63.9%	10080	64.5%
Female	2724	36.1%	5542	35.5%
TOTAL HOSPITALIZATIONS	7549*		15622**	

2013 hospitalizations by race/ethnicity and facility type, children <18 years

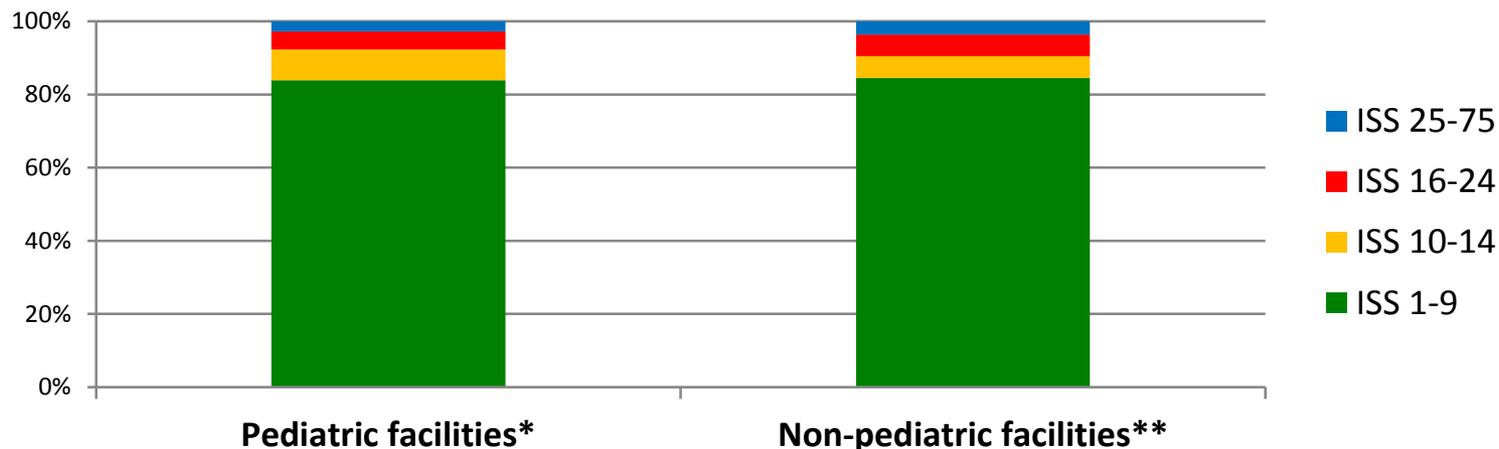


2013 hospitalizations by injury mechanism/intent and facility type, children <18 years

	Pediatric facilities	%
Unintentional fall	3402	45.2%
Unintentional MVT	1239	16.4%
Unintentional struck by/against	818	10.9%
Unintentional other transport	453	6.0%
Unintentional natural/environmental	270	3.6%
Other	1351	17.9%
TOTAL HOSPITALIZATIONS	7533*	

	Non-pediatric facilities	%
Unintentional fall	6052	39.7%
Unintentional MVT	2538	16.6%
Unintentional struck by/against	1684	11.0%
Unintentional other transport	986	6.5%
Unintentional fire/burn	947	6.2%
Other	3054	20.0%
TOTAL HOSPITALIZATIONS	15261**	

2013 hospitalizations by ISS, LOS, and facility type, children <18 years



	Pediatric facilities	Non-pediatric facilities
Median LOS	2 days	2 days
Range of LOS	1 – 72 days	1 – 366 days
TOTAL HOSPITALIZATIONS	7114*	14734**

* 2.8% cases with invalid ISS; 5.8% cases with invalid LOS

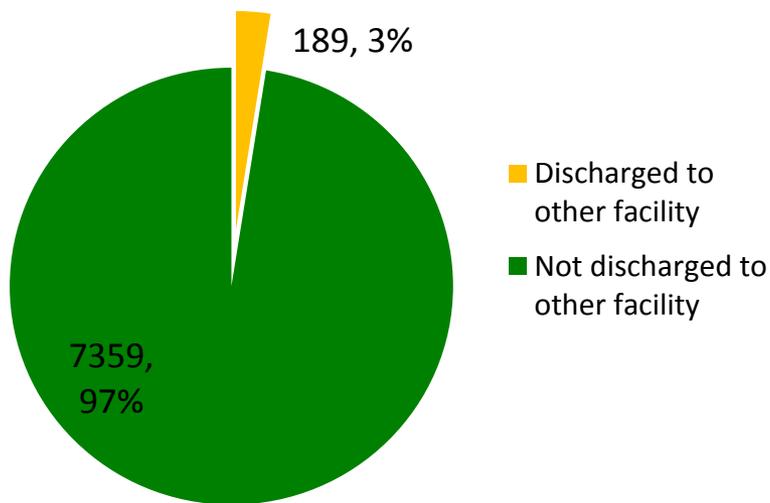
** 11.6% cases with invalid ISS; 5.7% cases with invalid LOS

2013 hospitalizations by ISS, LOS, and facility type, children <18 years

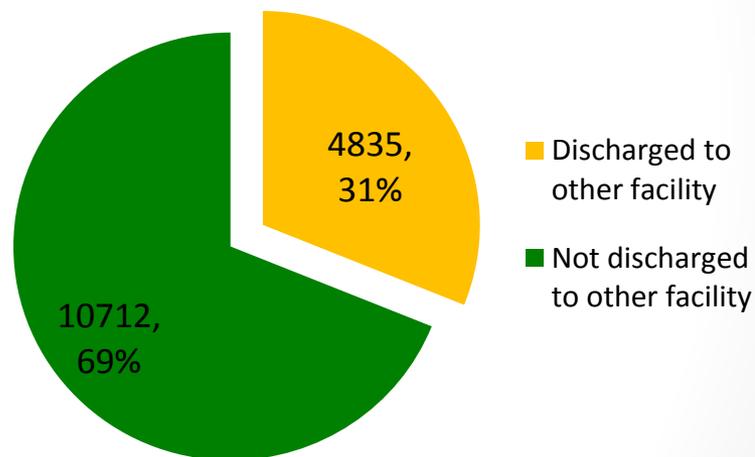
	Pediatric facilities	Non-pediatric facilities
ISS 1 – 9	Median LOS = 2 days	Median LOS = 1 day
ISS 10 – 14	Median LOS = 3 days	Median LOS = 2 days
ISS 16 – 24	Median LOS = 4 days	Median LOS = 3 days
ISS 25 – 75	Median LOS = 7 days	Median LOS = 4 days
TOTAL HOSPITALIZATIONS	6917*	13426**

2013 hospitalizations by discharge to other hospital status and facility type, children <18 years

Pediatric facilities*



Non-pediatric facilities**



Of those discharged to another facility:

- 32% went to another pediatric facility
- 66% went to a non-pediatric facility
- 2% went to an unknown facility

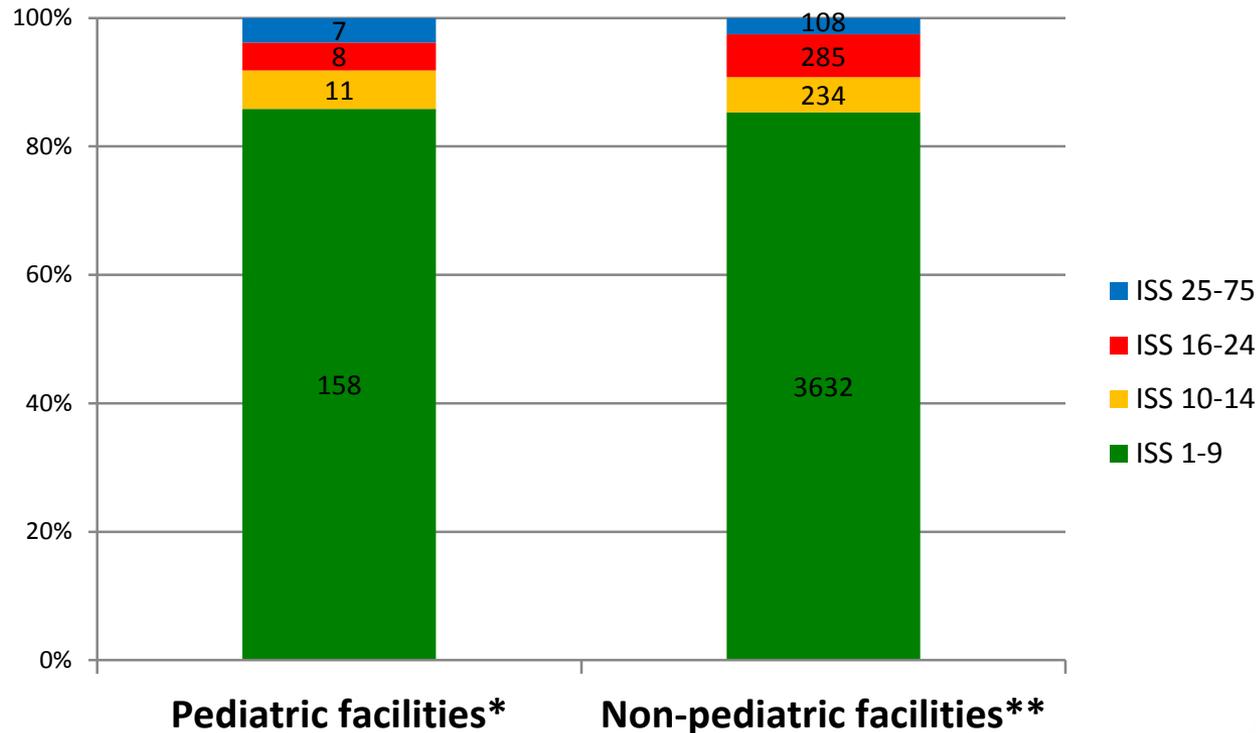
Of those discharged to another facility:

- 48% went to a pediatric facility
- 48% went to another non-pediatric facility
- 3% went to an unknown facility

* 0.01% cases missing hospital disposition

** 0.5% cases missing hospital disposition

2013 hospitalizations by ISS and facility type, children <18 years discharged to another facility



2013 hospitalizations case fatality rate, children <18 years

	Pediatric facilities	Non-pediatric facilities
Case fatality rate	0.9%	1.4%
TOTAL HOSPITALIZATIONS	7549*	15625**

Any record specifying “DEATH” or “EXPIRED” in the ED disposition, hospital disposition, or condition on discharge was classified as a fatality.

- * 90.6% cases missing ED disposition; 0.01% missing hospital disposition; 22.3% missing condition on discharge
- ** 74.4% cases missing ED disposition; 0.5% missing hospital disposition; 37.6% missing condition on discharge

2013 TBI and SCI hospitalizations by facility type, children <18 years

	Pediatric facilities	%	Non-pediatric facilities	%
Number of TBI's	1668	22.1%	3646	23.3%
Number of SCI's	42	0.6%	66	0.4%
TOTAL HOSPITALIZATIONS	7549		15625	

18 cases with both TBI & SCI

17 cases with both TBI & SCI

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