

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

Injury Epidemiology & Surveillance Branch

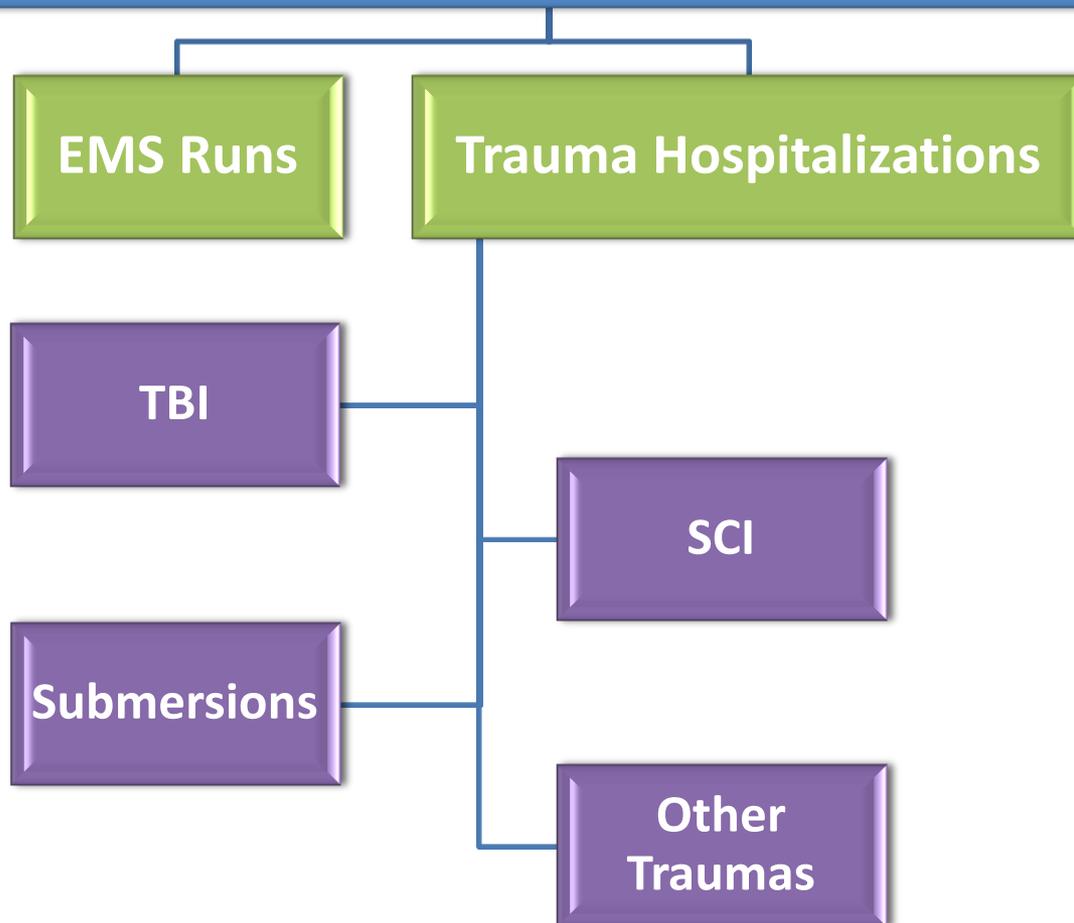
Environmental & Injury Epidemiology and Toxicology Unit
Environmental Epidemiology and Disease Registries Section
Texas Department of State Health Services



Report summary

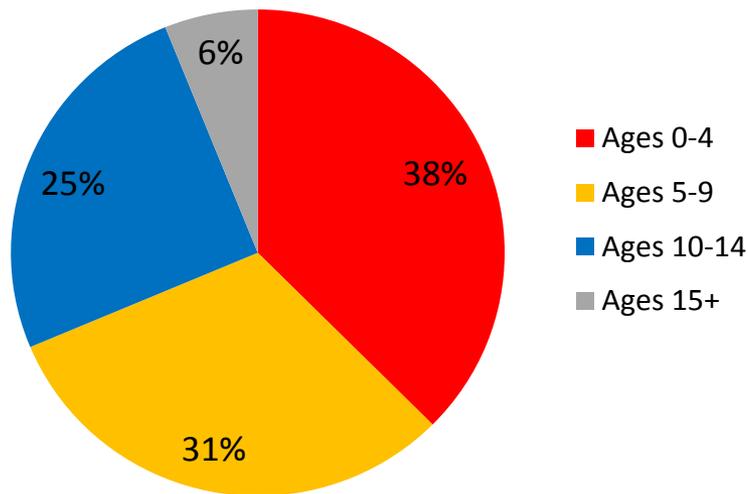
- The following report was generated with hospitalization records submitted to the Texas EMS & Trauma Registries in 2013 for patients less than 15 years of age.
- This report includes only data on records that were reported to the Registries through a passive surveillance system.
- Results are from the final 2013 trauma hospitalization dataset.
- In 2013, 13 pediatric facilities reported pediatric trauma hospitalizations, and 318 non-pediatric facilities reported pediatric trauma hospitalizations.

State EMS & Trauma Registries

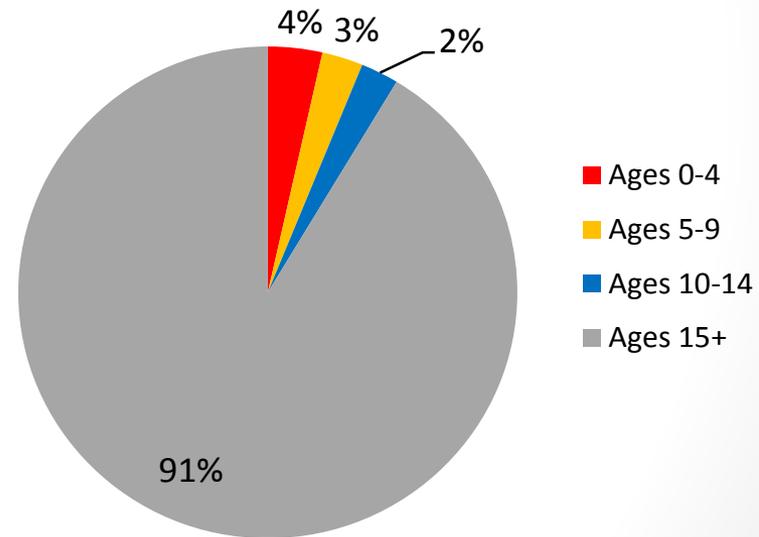


2013 hospitalizations by age and facility type, all ages

Pediatric facilities*



Non-pediatric facilities**

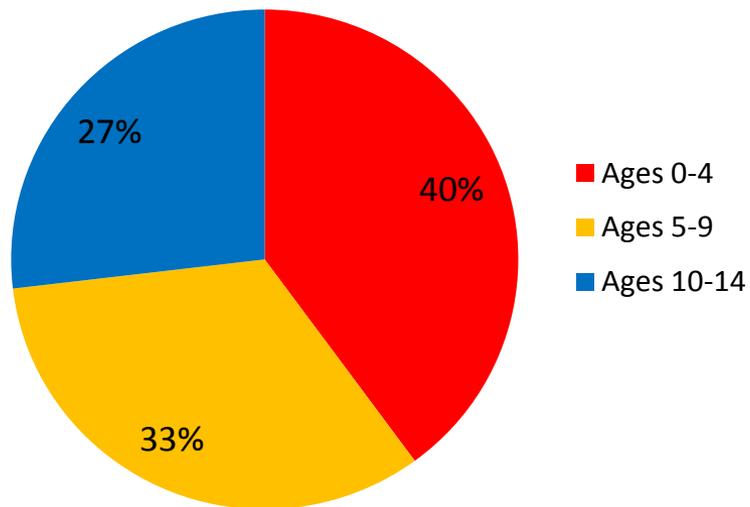


* 0.00% cases missing age

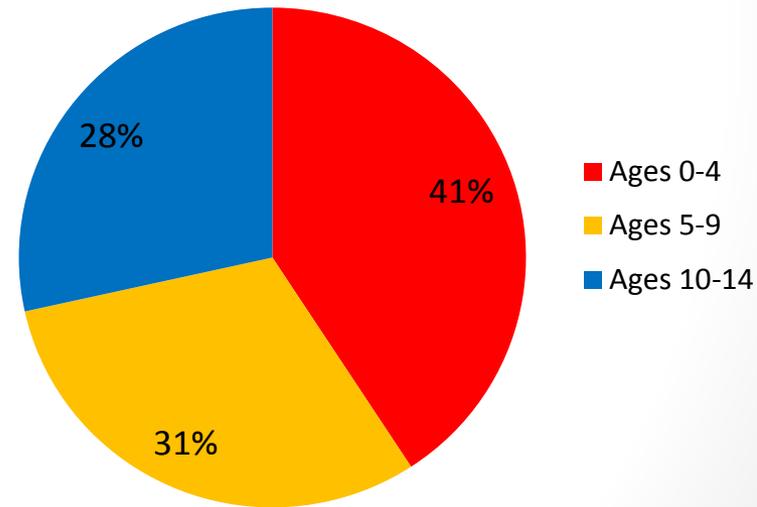
** 0.13% cases missing age

2013 hospitalizations by age and facility type, children <15 years

Pediatric facilities



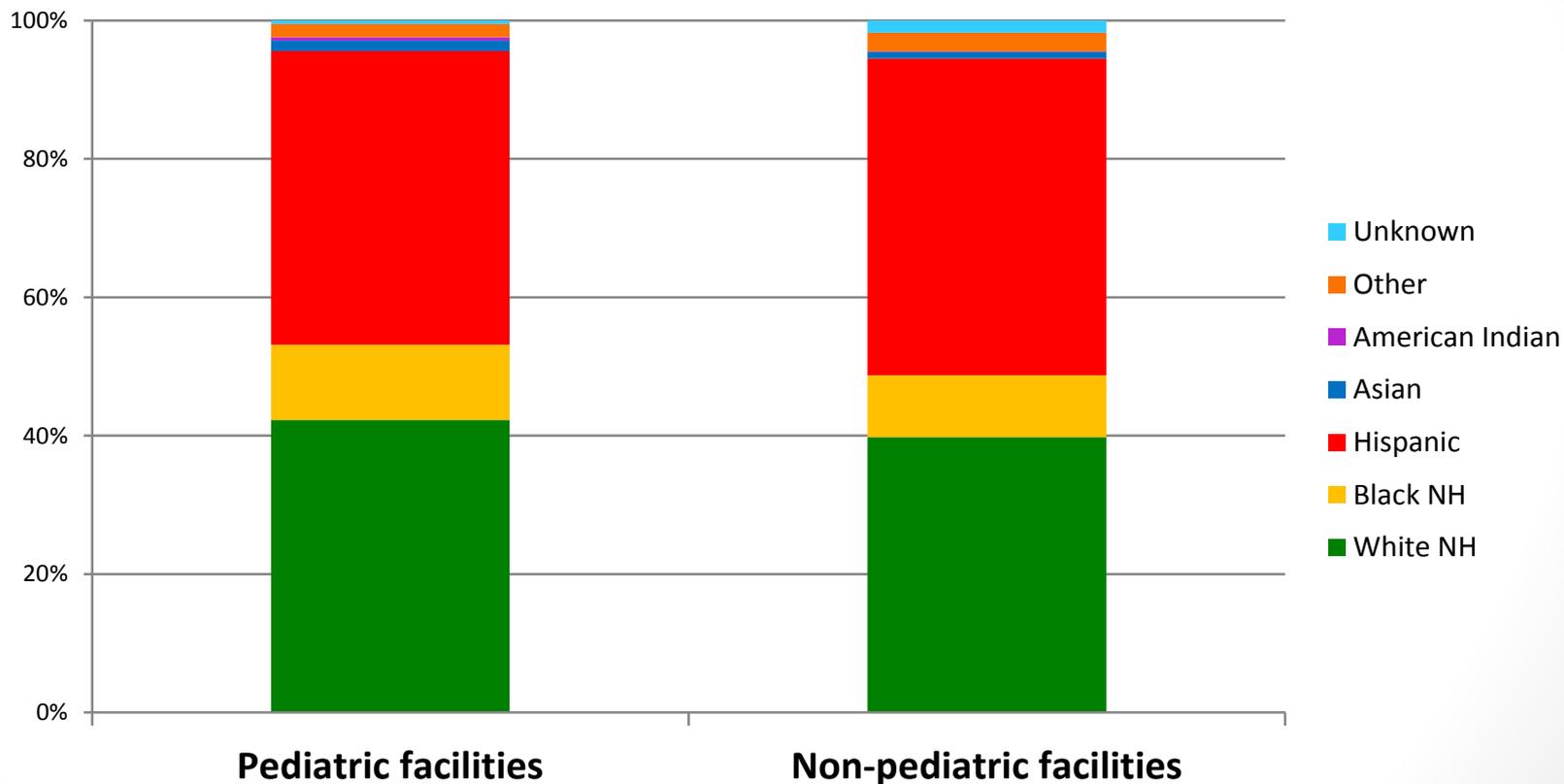
Non-pediatric facilities



2013 hospitalizations by sex and facility type, children <15 years

	Pediatric facilities	%	Non-pediatric facilities	%
Male	5783	62.8%	6478	62.6%
Female	3431	37.2%	3866	37.4%
TOTAL HOSPITALIZATIONS	9214*		10344**	

2013 hospitalizations by race/ethnicity and facility type, children <15 years

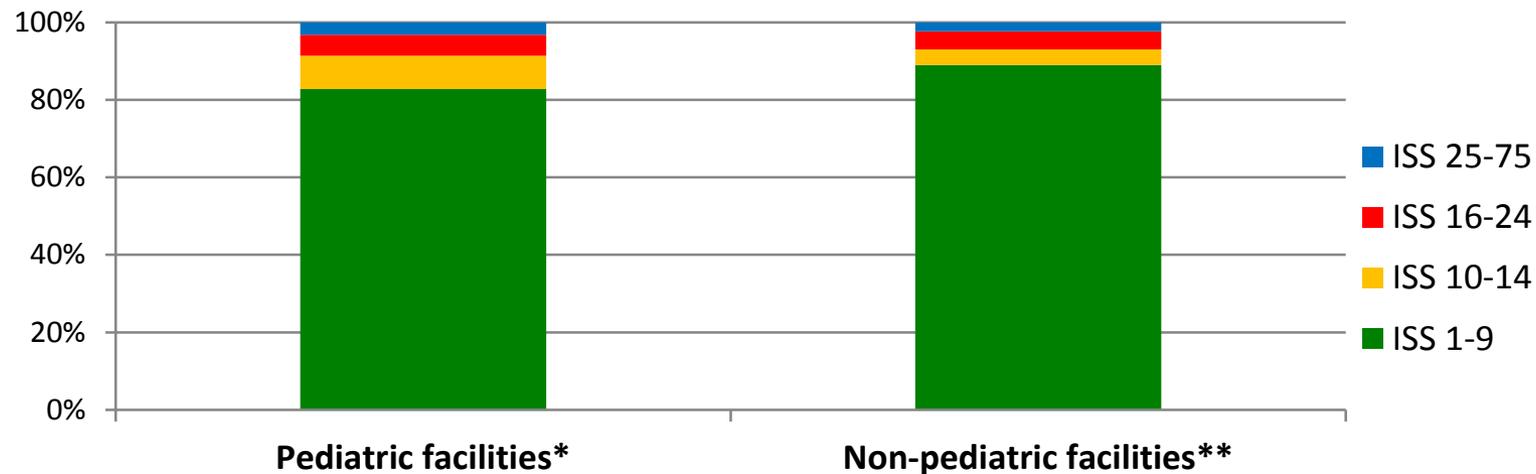


2013 hospitalizations by injury mechanism/intent and facility type, children <15 years

	Pediatric facilities	%
Unintentional fall	3980	43.3%
Unintentional MVT	1465	15.9%
Unintentional struck by/against	891	9.7%
Unintentional fire/burn	528	5.7%
Unintentional other transport	525	5.7%
Other	1809	19.7%
TOTAL HOSPITALIZATIONS	9198*	

	Non-pediatric facilities	%
Unintentional fall	4917	49.2%
Unintentional MVT	1117	11.2%
Unintentional struck by/against	1077	10.8%
Unintentional other transport	535	5.4%
Unintentional fire/burn	527	5.3%
Other	1816	18.2%
TOTAL HOSPITALIZATIONS	9989**	

2013 hospitalizations by ISS, LOS, and facility type, children <15 years



	Pediatric facilities	Non-pediatric facilities
Median LOS	2 days	1 day
Range of LOS	1 – 106 days	1 – 366 days
TOTAL HOSPITALIZATIONS	8811*	9519**

* 2.6% cases with invalid ISS; 4.4% cases with invalid LOS

** 16.2% cases with invalid ISS; 8.0% cases with invalid LOS

2013 hospitalizations by ISS, LOS, and facility type, children <15 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 = 1 day
ISS 16 – 24	Median LOS = 4 days	Median LOS = 1 day
ISS 25 – 75	Median LOS = 6.5 days	Median LOS = 1 day
TOTAL HOSPITALIZATIONS	8589*	8349**

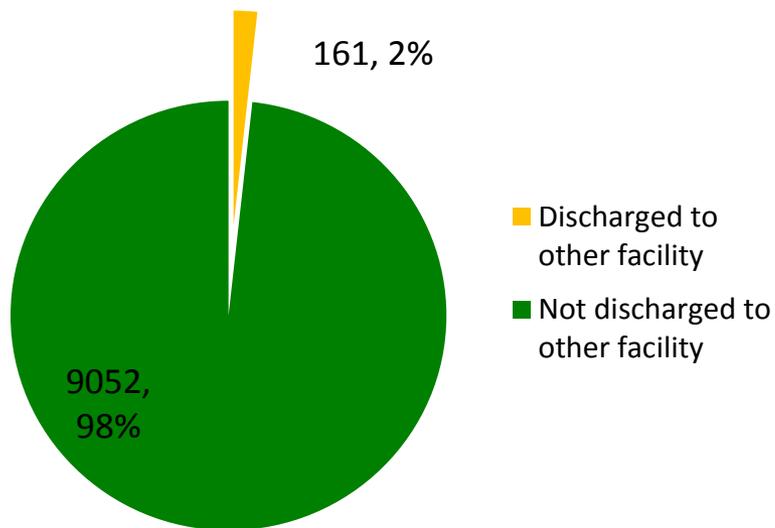
LOS impacted by large number of transferred patients

* 2.6% cases with invalid ISS; 4.4% cases with invalid LOS

** 16.2% cases with invalid ISS; 8.0% cases with invalid LOS

2013 hospitalizations by discharge to other hospital status and facility type, children <15 years

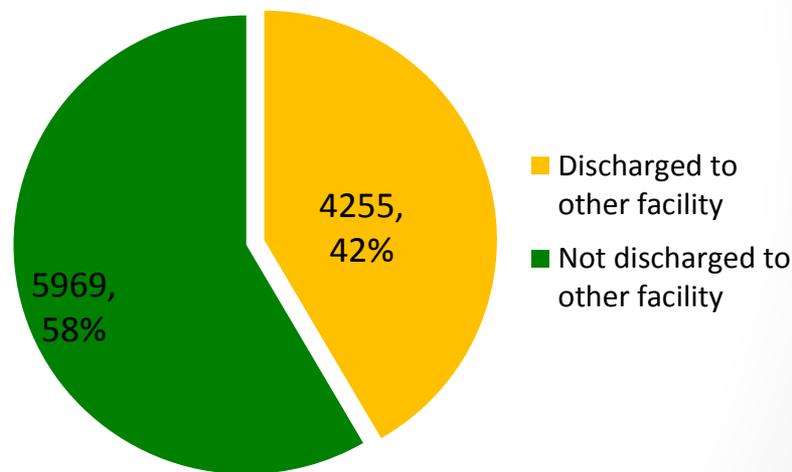
Pediatric facilities*



Of those discharged to another facility:

- 63% went to another pediatric facility
- 35% went to a non-pediatric facility
- 2% went to an unknown facility

Non-pediatric facilities**



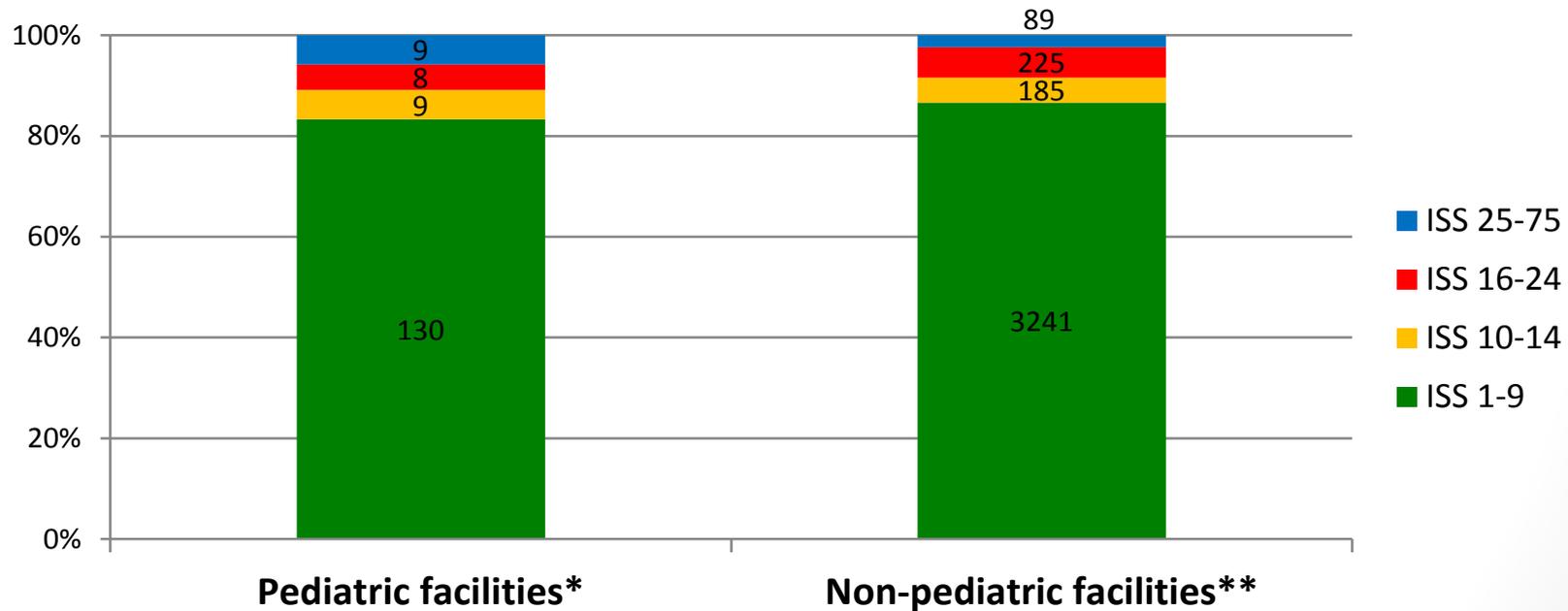
Of those discharged to another facility:

- 71% went to a pediatric facility
- 25% went to another non-pediatric facility
- 3% went to an unknown facility

* 0.01% cases missing hospital disposition

** 1.2% cases missing hospital disposition

2013 hospitalizations by ISS and facility type, children <15 years discharged to another facility



2013 hospitalizations case fatality rate, children <15 years

	Pediatric facilities	Non-pediatric facilities
Case fatality rate	1.1%	1.0%
TOTAL HOSPITALIZATIONS	9214*	10351**

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

Rates are not significantly different: $p = 0.62$

- * 92.6% cases missing ED disposition; 0.01% missing hospital disposition; 16.7% missing condition on discharge
- ** 67.1% cases missing ED disposition; 1.2% missing hospital disposition; 50.2% missing condition on discharge

2013 TBI and SCI hospitalizations by facility type, children <15 years

	Pediatric facilities	%	Non-pediatric facilities	%
Number of TBI's	2124	23.1%	2269	21.9%
Number of SCI's	45	0.5%	16	0.2%
TOTAL HOSPITALIZATIONS	9214		10351	

19 cases with both TBI & SCI

7 cases with both TBI & SCI

Injury Epidemiology & Surveillance Branch

CONTACT INFO

WEBSITE: www.dshs.state.tx.us/injury

EMAIL: injury.web@dshs.state.tx.us