

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

## **Injury Epidemiology & Surveillance Branch**

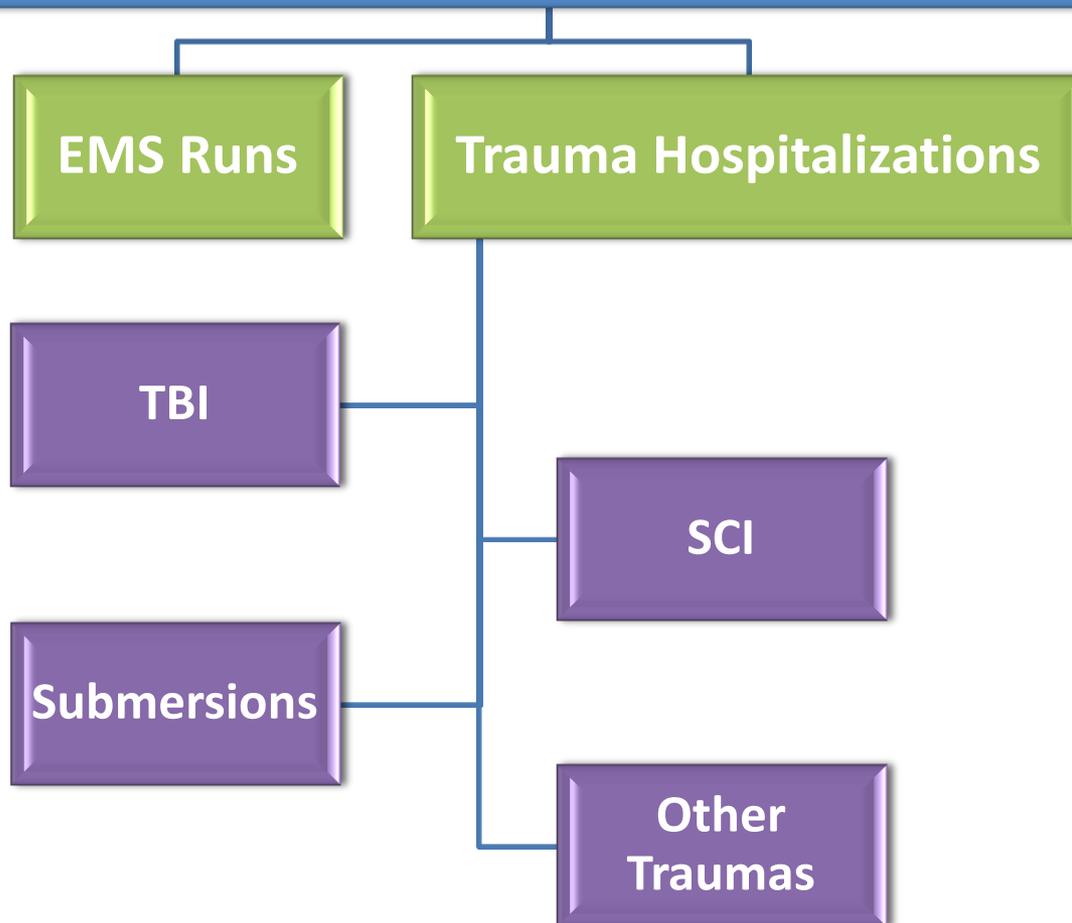
Environmental & Injury Epidemiology and Toxicology Unit  
Environmental Epidemiology and Disease Registries Section  
Texas Department of State Health Services



# Report summary

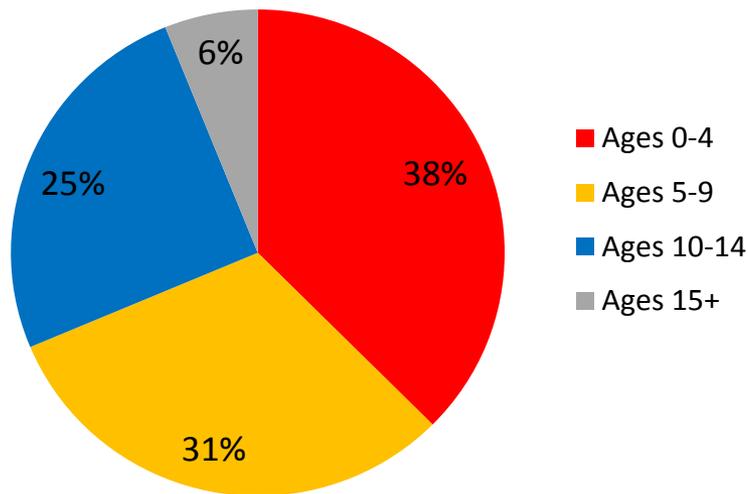
- The following report was generated with hospitalization records submitted to the Texas EMS & Trauma Registries in 2013 for patients less than 15 years of age.
- This report includes only data on records that were reported to the Registries through a passive surveillance system.
- Results are from the 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

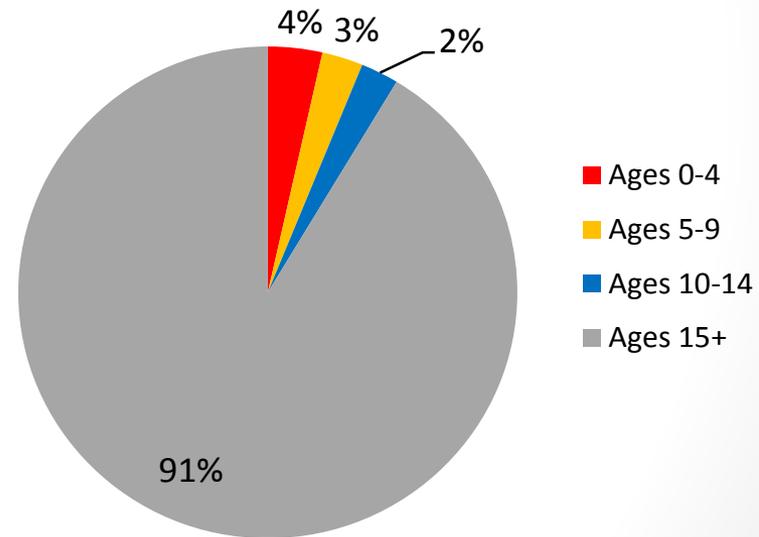


# 2013 hospitalizations by age and facility type, all ages

## Pediatric facilities\*



## Non-pediatric facilities\*\*

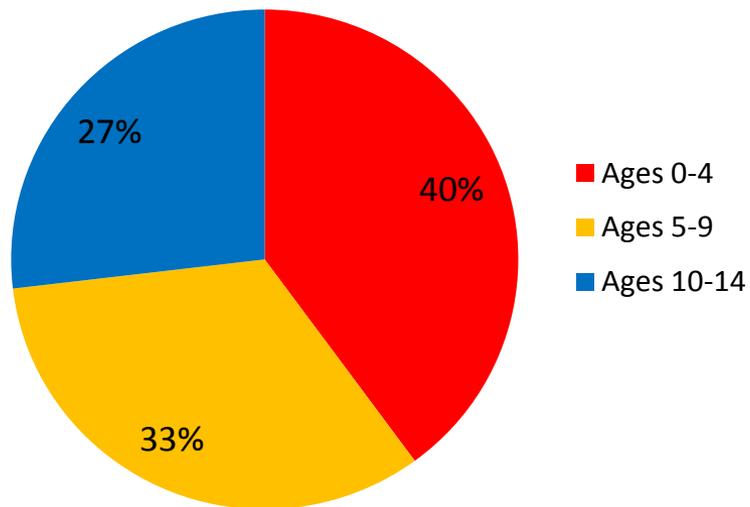


\* 0.00% cases missing age

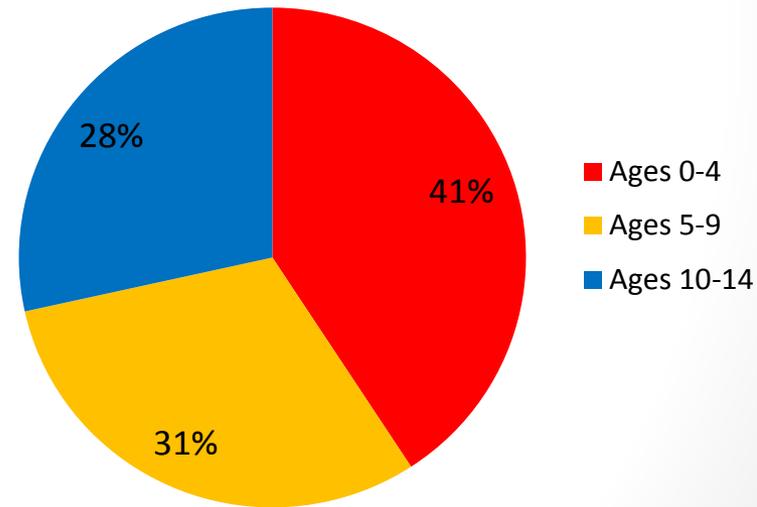
\*\* 0.13% cases missing age

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

## Pediatric facilities



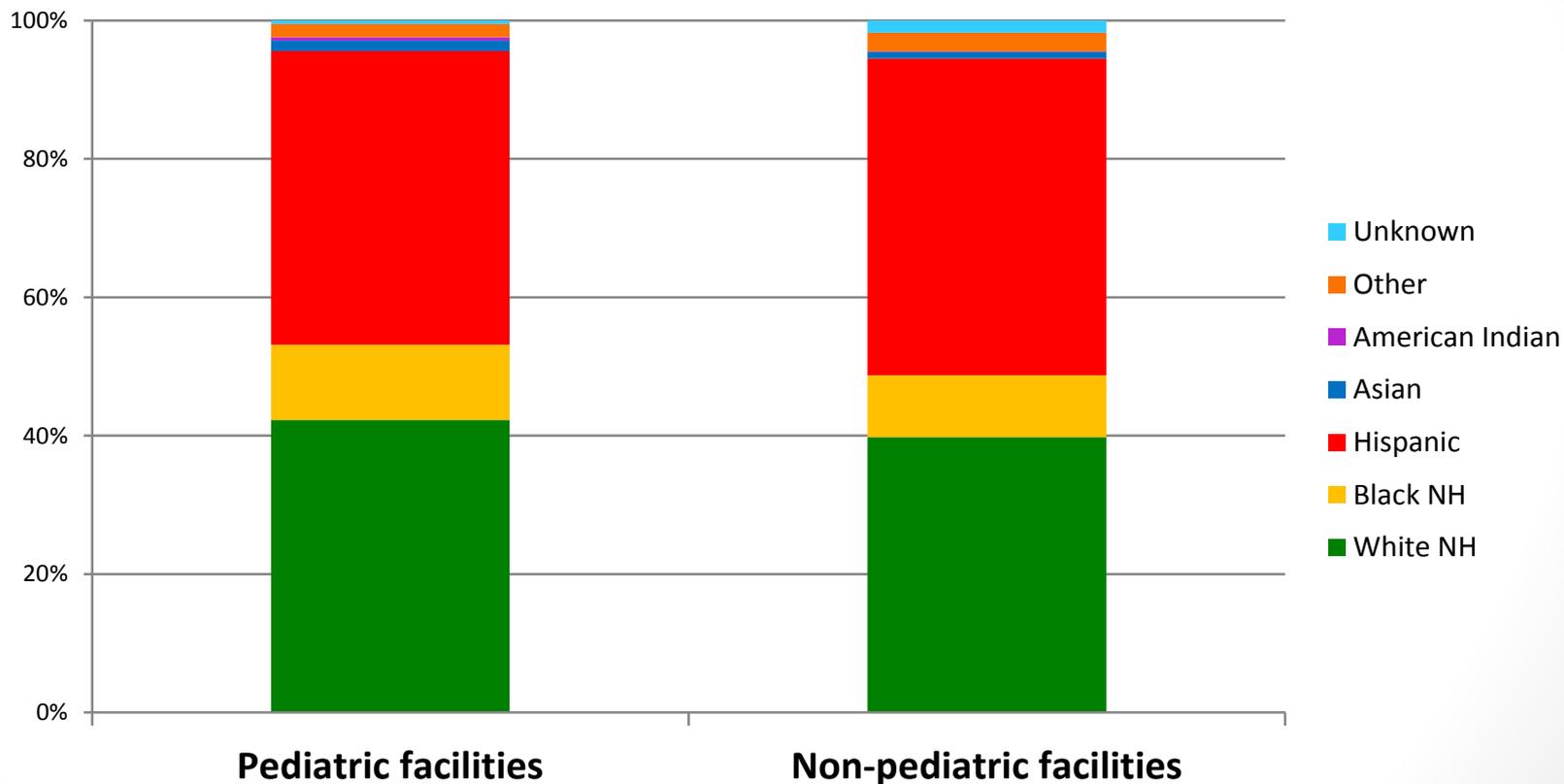
## Non-pediatric facilities



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

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

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

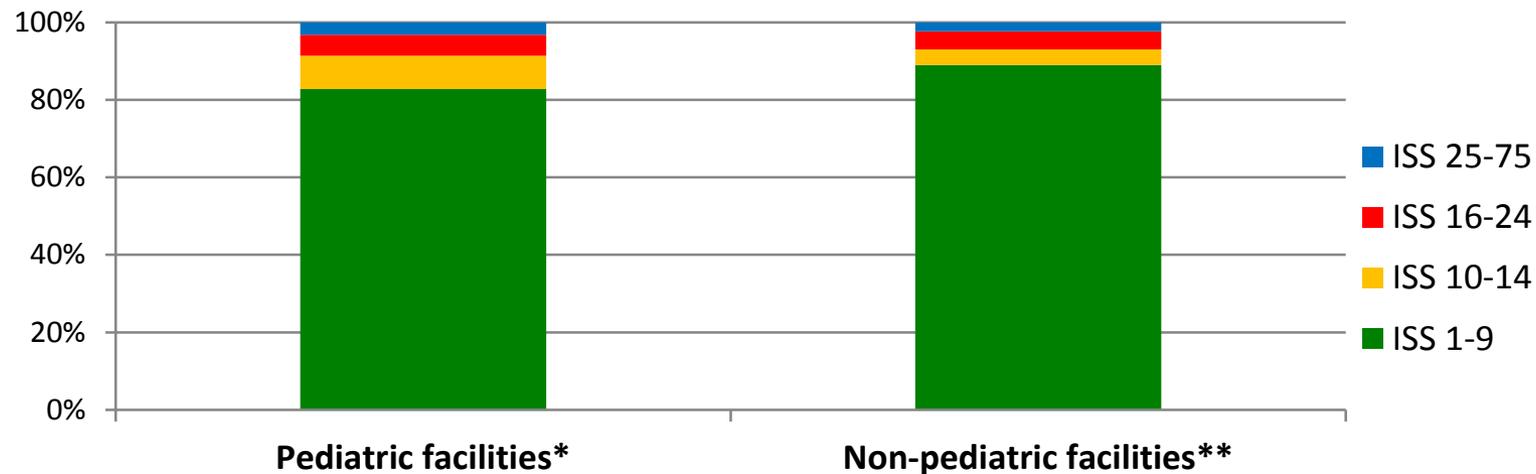


# 2013 hospitalizations by injury mechanism/intent and facility type, children <15 years

	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%
<b>TOTAL HOSPITALIZATIONS</b>	<b>9198*</b>	

	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%
<b>TOTAL HOSPITALIZATIONS</b>	<b>9989**</b>	

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



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

\* 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
<b>TOTAL HOSPITALIZATIONS</b>	<b>8589*</b>	<b>8349**</b>

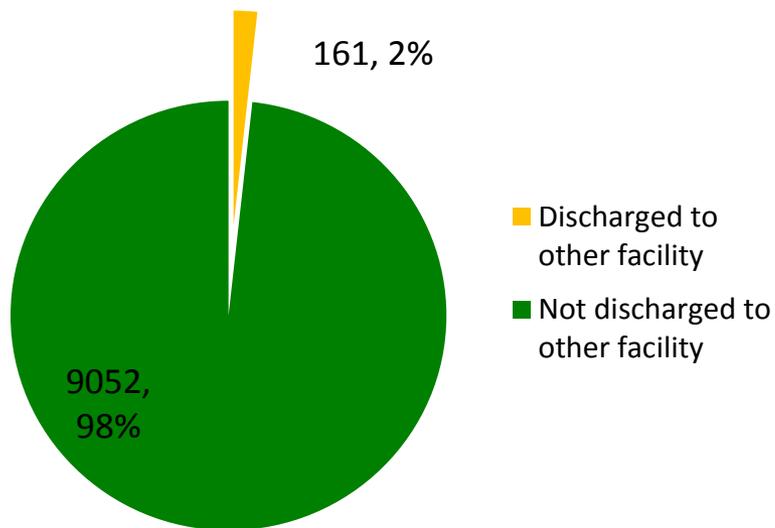
LOS impacted by large number of transferred patients

\* 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

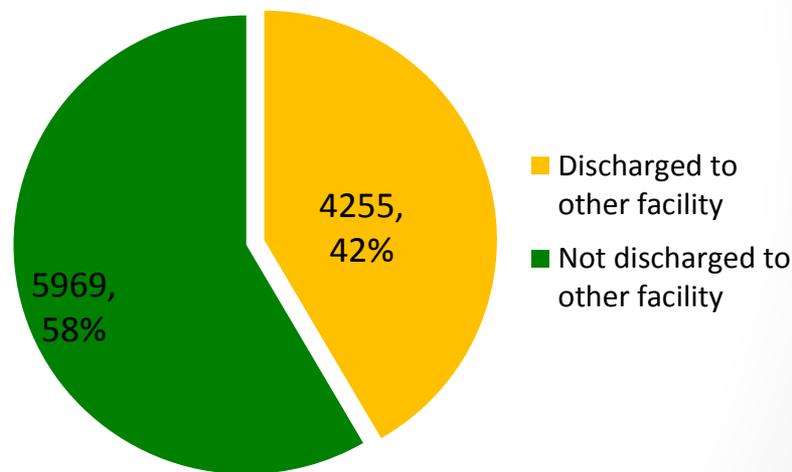
## Pediatric facilities\*



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\*\*



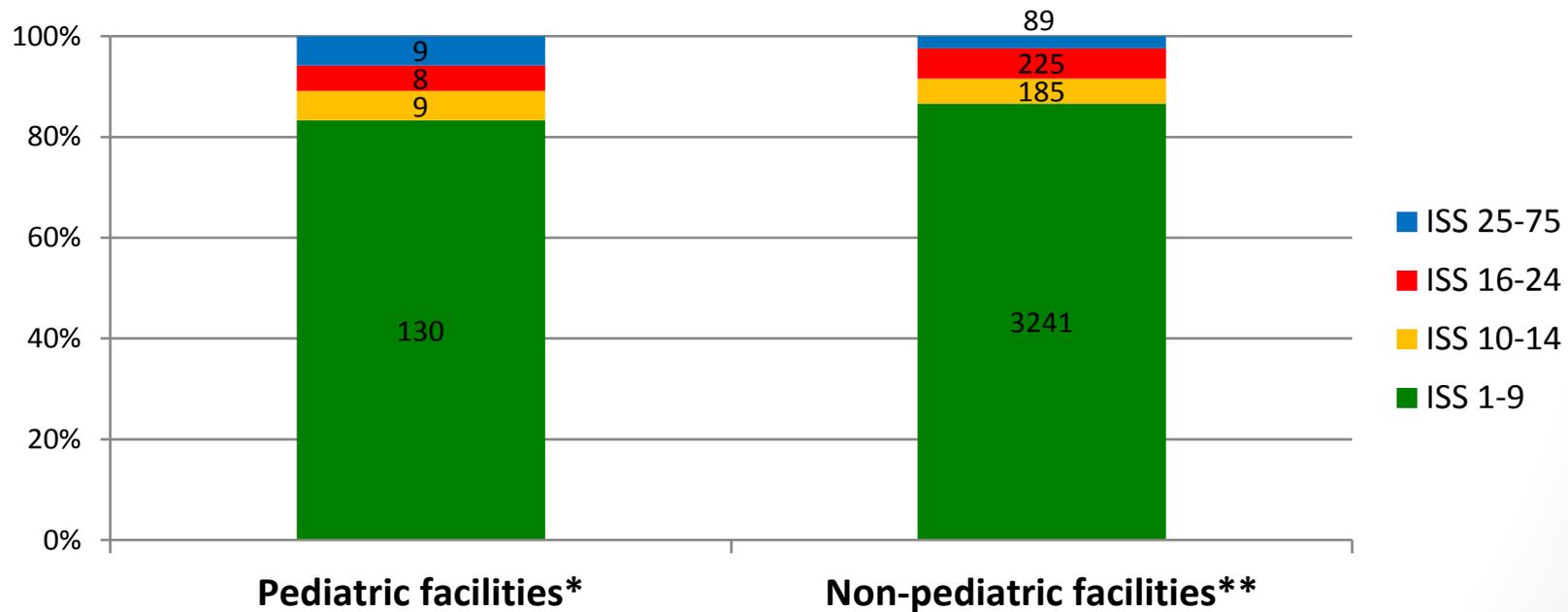
Of those discharged to another facility:

- 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%
<b>TOTAL HOSPITALIZATIONS</b>	<b>9214*</b>	<b>10351**</b>

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

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

19 cases with both TBI & SCI

7 cases with both TBI & SCI

# Injury Epidemiology & Surveillance Branch

## CONTACT INFO

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