



2013 PEDIATRIC SUMMARY REPORT

RAC I

Texas EMS/Trauma Registry

The Pediatric Summary Report provides a brief overview of the trauma hospitalization data for patients under the age of 18 submitted by RACs to the Texas EMS/Hospital Trauma Registry.

The hospital inclusion criteria are as follows per Texas Administrative Code, Title 25, Chapter 103:

Traumatic Brain Injuries

An acquired injury to the brain, including brain injuries caused by anoxia due to submersion incidents. The following International Classification of Diseases 9th Revision Clinical Modification (ICD-9-CM) diagnostic codes are to be used to identify cases of traumatic brain injury: 800.0-801.9, 803.0-804.9, and 850.0-854.1. The ICD-9-CM diagnostic code to be used to identify traumatic brain injury caused by anoxia due to submersion incidents is 348.1 or 994.1 (Rule § 103.2).

Spinal Cord Injuries

An acute, traumatic lesion of the neural elements in the spinal canal, resulting in any degree of sensory deficit, motor deficits, or bladder/bowel dysfunction. The ICD-9-CM diagnostic codes are to be used to identify cases of traumatic spinal cord injury: 806.0-806.9 and 952.0-952.9 (Rule § 103.2).

Other Traumatic Injuries

An injury listed in the ICD-9-CM diagnostic codes between 800.0 and 959.9, excluding 905-909, 910-924, and 930-939, and admitted to a hospital inpatient setting (for more than 48 hours), or died after receiving any evaluation or treatment or was dead on arrival, or transferred into or out of the hospital (Rule § 103.2).

Note: The ICD-9-CM codes used above are diagnosis codes, not E-codes.

This summary report only includes data on hospital records that were reported to the registry through a passive surveillance system. Additionally, these data are based on hospitalizations, not patients, such that if a patient was hospitalized more than once or transferred between facilities, both hospital records will be included.

The following report was generated with pediatric hospital patient records submitted to the Texas EMS/Trauma Registry as of 4/8/2014. This report includes only trauma hospitalization records successfully submitted to the Texas EMS/Trauma Registry for the year specified.

Questions? Feel free to contact the Injury Program through our webpage (<http://www.dshs.state.tx.us/injury>), by phone (1-800-242-3562), or by email (injury.web@dshs.state.tx.us).

For information on the 22 Texas RACs, visit:

<http://www.dshs.state.tx.us/emstraumasystems/etrarac.shtm>

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OVERVIEW

PEDIATRIC HOSPITALIZATIONS (AGES 0-17)	
TOTAL:	1373
TRAUMA TEAM ACTIVATION	
Yes:	302
No:	6
TRANSFERS	
Transferred In	
<i>Total:</i>	756
<i>From entity within RAC:</i>	636
Transferred Out	
<i>Total:</i>	581
<i>To entity within RAC:</i>	564
TYPES OF INJURIES	
TBI Injuries:	465
SCI Injuries:	3

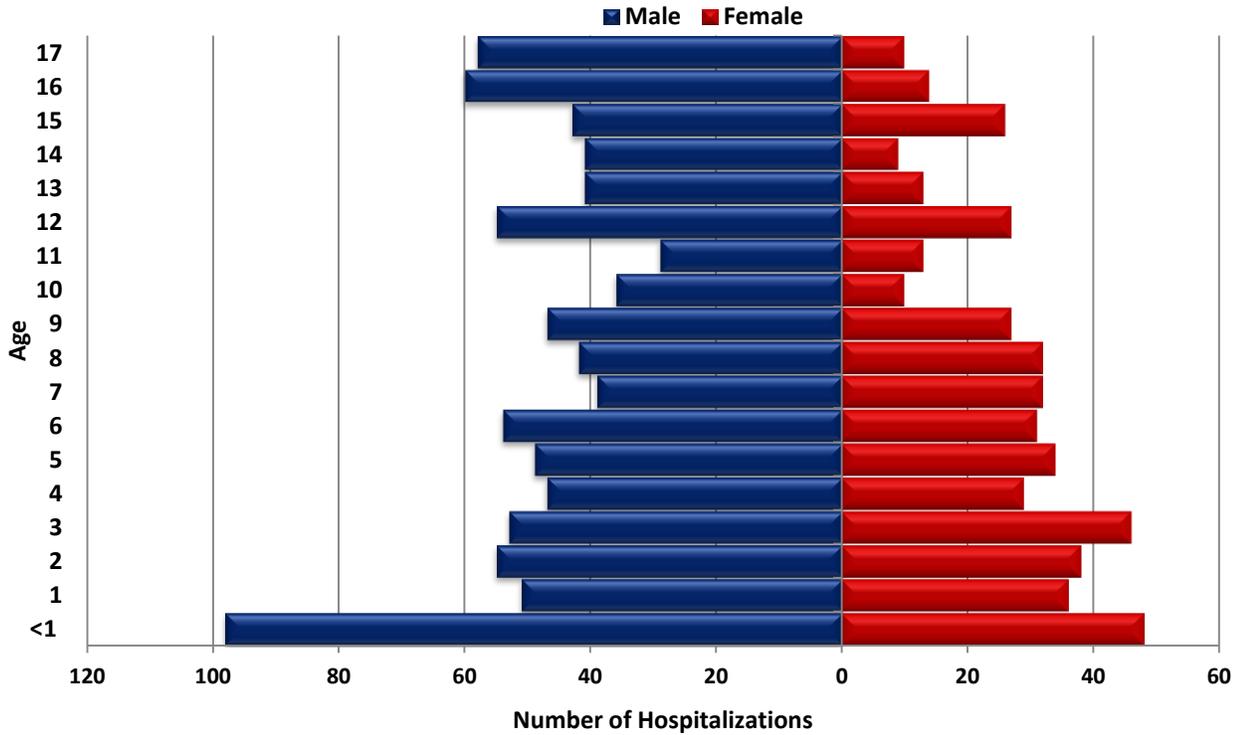
SUMMARY COUNTS



- 65.4% of all pediatric hospitalizations were male.
- 82.0% of pediatric hospitalizations were Hispanic.
- 66.9% of all unintentional injuries were associated with either Falls or Motor Vehicle injuries.
- 9.2% of pediatric traumatic brain injuries were assessed with severe head injuries.
- 90.1% of all pediatric traumatic brain injuries had an injury severity score of 16 or greater.

DEMOGRAPHICS

Number of Pediatric Hospitalizations by Age and Sex



Pediatric Hospitalizations by Age, Sex, Race, & Ethnicity

Age	Sex		Race				Ethnicity	
	Male	Female	White	Black	Other	Unknown	Hispanic	Non-Hispanic
<1	98	48	27	3	0	0	116	30
1	51	36	11	1	1	0	74	13
2	55	38	10	1	0	0	82	11
3	53	46	13	0	0	0	86	13
4	47	29	14	5	0	0	57	19
5	49	34	18	0	4	0	61	22
6	54	31	13	2	0	0	70	15
7	39	32	11	0	1	0	59	12
8	42	32	10	2	0	0	61	12
9	47	27	11	0	0	0	63	11
10	36	10	15	0	0	0	31	15
11	29	13	1	2	0	0	39	3
12	55	27	20	6	0	0	55	26
13	41	13	9	1	0	0	44	10
14	41	9	1	2	1	0	46	4
15	43	26	5	0	2	0	62	7
16	60	14	9	0	1	0	64	10
17	58	10	11	1	0	0	56	12
Total	898	475	209	26	10	0	1126	245

CAUSE OF INJURY

External Cause of Injury	Mechanisms of Injury by Intent				Total
	Unintentional	Self-Inflicted	Assault	Undetermined	
Cut/pierce	20	2	4	0	26
Drowning/submersion	21	0	0	0	21
Fall	635	0	0	0	635
Fire/burn	28	0	0	1	29
Firearm	7	0	1	0	8
Machinery	0	0	0	0	0
Motor vehicle traffic	241	0	0	0	241
Pedal cyclist, other	37	0	0	0	37
Pedestrian, other	0	0	0	0	0
Transport, other	101	0	0	0	101
Natural/environmental	32	0	0	0	32
Overexertion	6	0	0	0	6
Poisoning	0	0	0	0	0
Struck by, against	142	1	14	0	157
Suffocation	0	0	0	0	0
Other specified and classifiable	19	0	24	0	43
Other specified, not elsewhere classifiable	4	0	8	1	13
Unspecified	17	0	3	2	22
Total	1310	3	54	4	1373

The table above is based on a framework detailed by the Centers for Disease Control and Prevention. For more details, visit http://www.cdc.gov/ncns/injury/injury_tools.htm

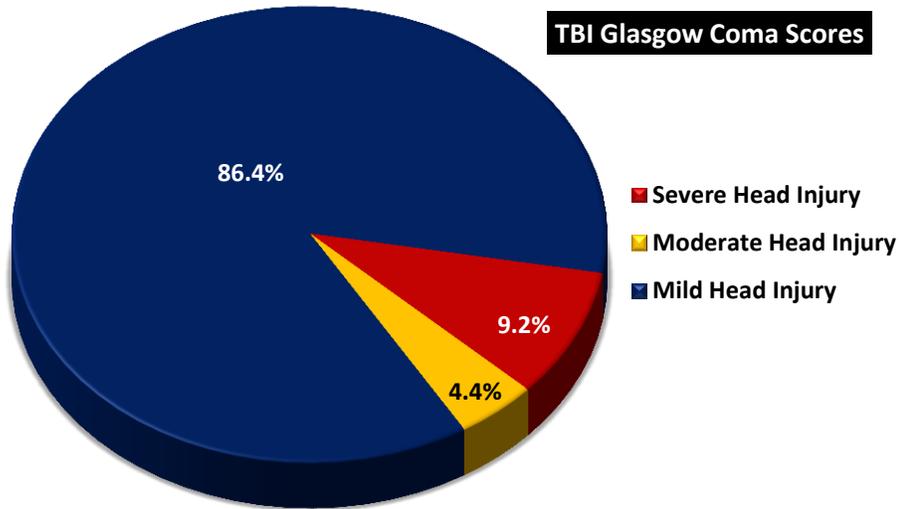
The leading injury diagnoses for all pediatric hospitalizations in 2013 are specified in the table below.

Five Leading Pediatric Injury Diagnoses		
Rank	Injury Category	Hospitalizations
1	Superficial injury	367
2	Fracture of upper limb	342
3	Fracture of skull	307
4	Contusion with intact skin surface	291
5	Intracranial injury, excluding those with skull fracture	271

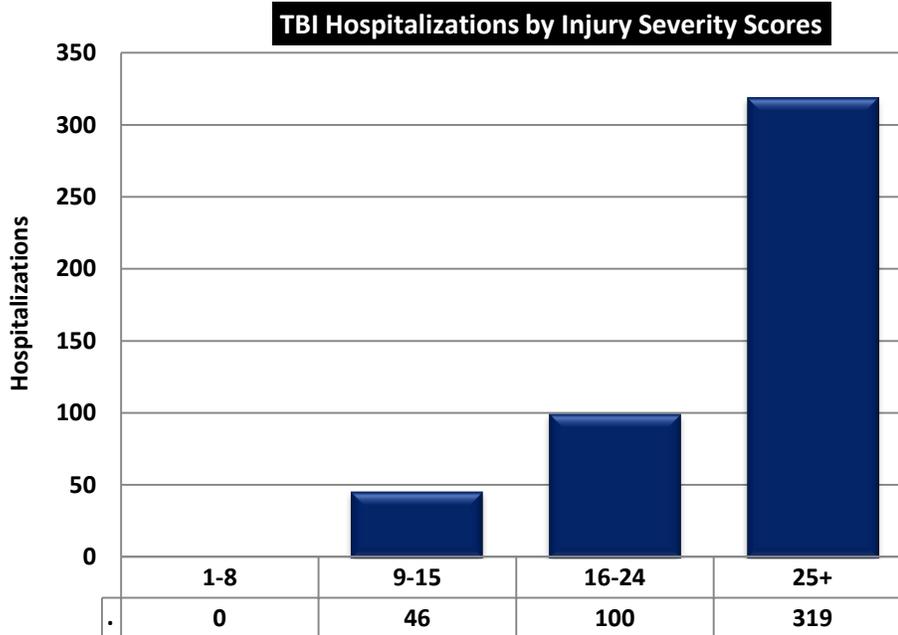
For details for which specific injury diagnosis codes are included in each ICD-9 injury diagnoses category, refer to http://www.health.gov.bc.ca/msp/info/prac/diaqcodes/800_injury.pdf

ASSESSMENTS

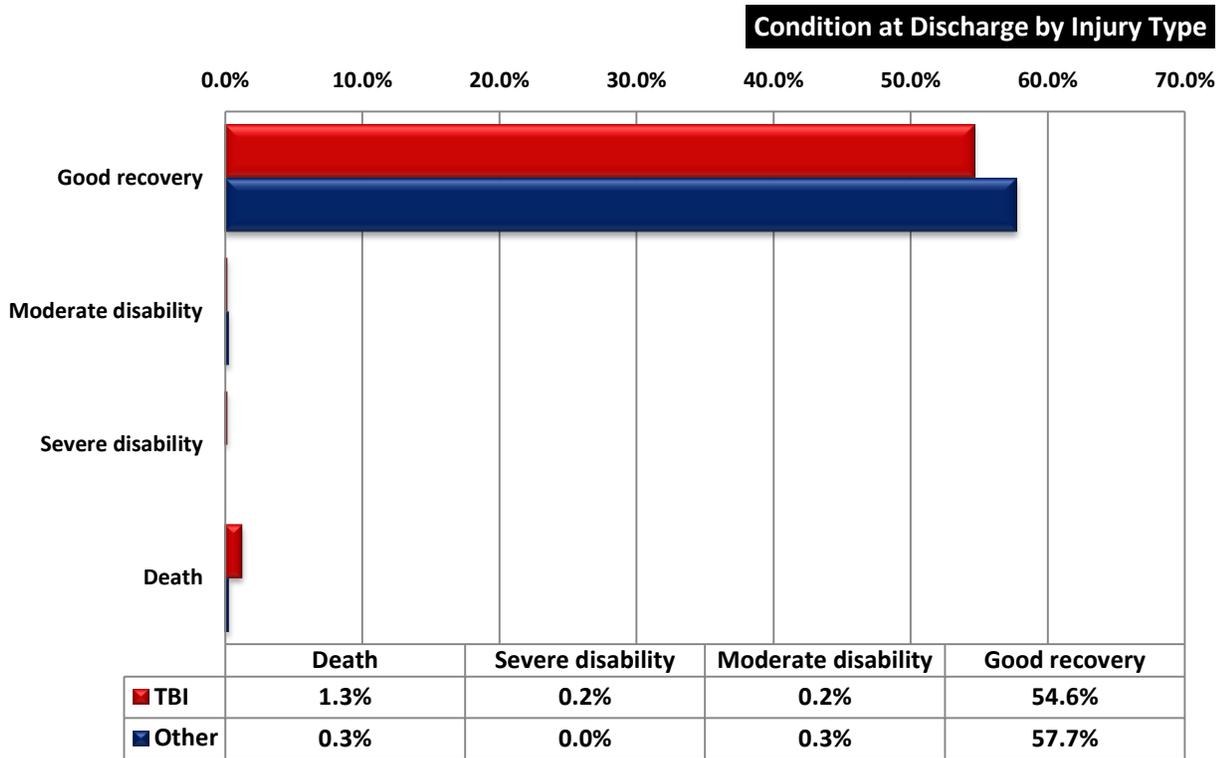
Total number of pediatric traumatic brain injuries 465



Glasgow coma score ranges: Severe: Scores 3-8; Moderate: 9-12; Mild: 13-15.



CONDITION AT DISCHARGE



Pediatric Deaths by Age & Injury Type			
Age	TBI	Other Injury	Total
<1 year	1	0	1
1	1	0	1
2	0	0	0
3	1	0	1
4	1	0	1
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	1	0	1
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	1	1
15	0	1	1
16	0	0	0
17	1	1	2
Total	6	3	9

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ADDITIONAL NOTES

Hospitals whose data contribute to this report are listed below.

Entity	Hospitalizations
Culberson Hospital	8
Del Sol Medical Center	83
El Paso Children's Hospital	583
Las Palmas Medical Center	32
Providence Memorial Hospital	155
Sierra Medical Center	10
University Medical Center-El Paso	477
William Beaumont Army Medical Center	25