



# 2013 PEDIATRIC SUMMARY REPORT

## RAC F

Texas EMS/Trauma Registry

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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](mailto:injury.web@dshs.state.tx.us)).

For information on the 22 Texas RACs, visit:

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

# RAC F

## OVERVIEW

| PEDIATRIC HOSPITALIZATIONS (AGES 0-17) |            |
|--|------------|
| <b>TOTAL:</b>                          | <b>246</b> |
| <b>TRAUMA TEAM ACTIVATION</b>          |            |
| Yes:                                   | 17         |
| No:                                    | 105        |
| <b>TRANSFERS</b>                       |            |
| <b>Transferred In</b>                  |            |
| <i>Total:</i>                          | <i>22</i>  |
| <i>From entity within RAC:</i>         | <i>11</i>  |
| <b>Transferred Out</b>                 |            |
| <i>Total:</i>                          | <i>95</i>  |
| <i>To entity within RAC:</i>           | <i>2</i>   |
| <b>TYPES OF INJURIES</b>               |            |
| TBI Injuries:                          | 32         |
| SCI Injuries:                          | .          |

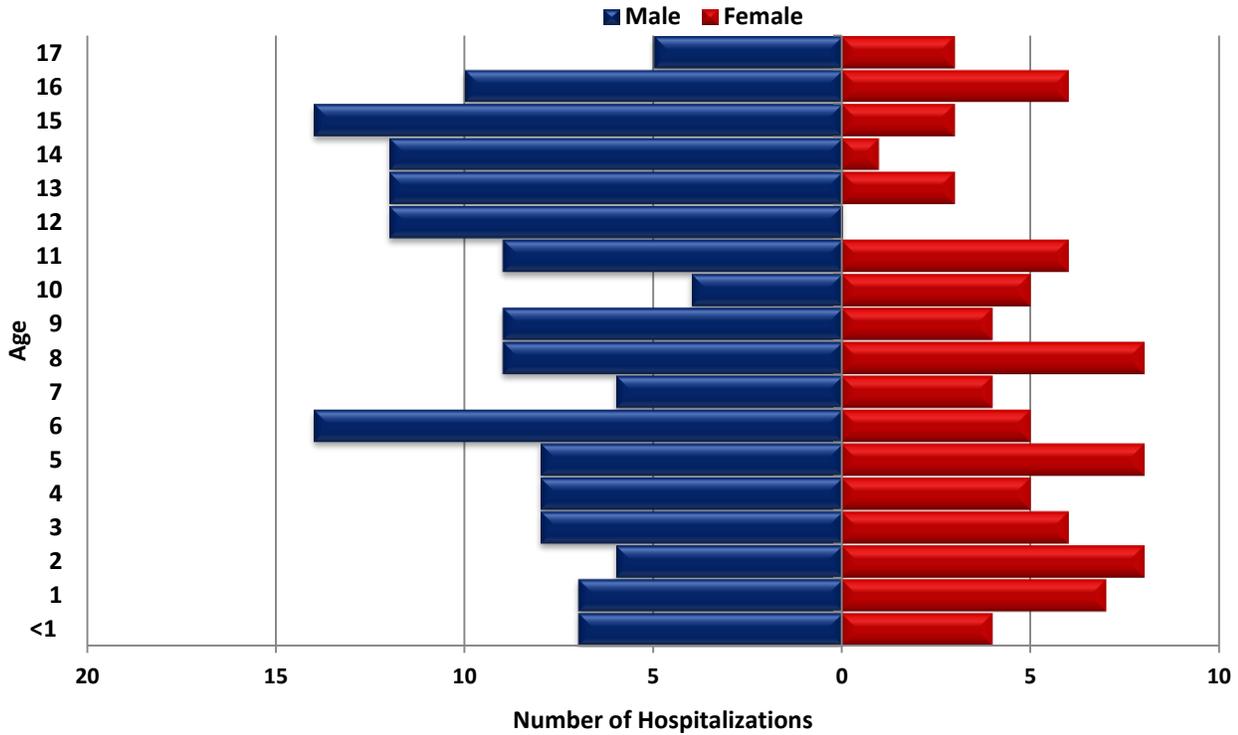
SUMMARY COUNTS



- 65.0% of all pediatric hospitalizations were male.
- 6.9% of pediatric hospitalizations were Hispanic.
- 62.8% of all unintentional injuries were associated with either Falls or Motor Vehicle injuries.
- 17.2% of pediatric traumatic brain injuries were assessed with severe head injuries.
- 81.3% 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           | 7          | 4         | 7          | 3         | 0        | 0        | 1         | 10           |
| 1            | 7          | 7         | 9          | 4         | 1        | 0        | 0         | 14           |
| 2            | 6          | 8         | 10         | 3         | 0        | 0        | 1         | 12           |
| 3            | 8          | 6         | 8          | 4         | 0        | 0        | 2         | 11           |
| 4            | 8          | 5         | 6          | 3         | 2        | 0        | 2         | 11           |
| 5            | 8          | 8         | 14         | 1         | 0        | 0        | 1         | 14           |
| 6            | 14         | 5         | 12         | 4         | 1        | 0        | 2         | 16           |
| 7            | 6          | 4         | 4          | 3         | 1        | 0        | 2         | 6            |
| 8            | 9          | 8         | 15         | 2         | 0        | 0        | 0         | 15           |
| 9            | 9          | 4         | 8          | 2         | 1        | 0        | 2         | 10           |
| 10           | 4          | 5         | 8          | 1         | 0        | 0        | 0         | 9            |
| 11           | 9          | 6         | 12         | 2         | 0        | 0        | 1         | 12           |
| 12           | 12         | 0         | 10         | 2         | 0        | 0        | 0         | 11           |
| 13           | 12         | 3         | 11         | 4         | 0        | 0        | 0         | 15           |
| 14           | 12         | 1         | 9          | 3         | 0        | 0        | 1         | 10           |
| 15           | 14         | 3         | 9          | 6         | 1        | 0        | 1         | 15           |
| 16           | 10         | 6         | 14         | 0         | 1        | 0        | 1         | 15           |
| 17           | 5          | 3         | 6          | 2         | 0        | 0        | 0         | 8            |
| <b>Total</b> | <b>160</b> | <b>86</b> | <b>172</b> | <b>49</b> | <b>8</b> | <b>0</b> | <b>17</b> | <b>214</b>   |

## CAUSE OF INJURY

### Mechanisms of Injury by Intent

| External Cause of Injury                    | Manner/Intent |                |          |              | Total      |
|---|---------------|----------------|----------|--------------|------------|
|   | Unintentional | Self-Inflicted | Assault  | Undetermined |            |
| Cut/pierce                                  | 5             | 0              | 1        | 0            | 6          |
| Drowning/submersion                         | 1             | 0              | 0        | 0            | 1          |
| Fall  | 122           | 0              | 0        | 0            | 122        |
| Fire/burn                                   | 10            | 0              | 0        | 0            | 10         |
| Firearm                                     | 0             | 1              | 1        | 0            | 2          |
| Machinery                                   | 0             | 0              | 0        | 0            | 0          |
| Motor vehicle traffic                       | 23            | 0              | 0        | 0            | 23         |
| Pedal cyclist, other                        | 11            | 0              | 0        | 0            | 11         |
| Pedestrian, other                           | 3             | 0              | 0        | 0            | 3          |
| Transport, other                            | 14            | 0              | 0        | 0            | 14         |
| Natural/environmental                       | 8             | 0              | 0        | 0            | 8          |
| Overexertion                                | 3             | 0              | 0        | 0            | 3          |
| Poisoning                                   | 1             | 0              | 0        | 0            | 1          |
| Struck by, against                          | 23            | 0              | 1        | 0            | 24         |
| Suffocation                                 | 0             | 0              | 0        | 0            | 0          |
| Other specified and classifiable            | 5             | 0              | 6        | 1            | 12         |
| Other specified, not elsewhere classifiable | 1             | 0              | 0        | 0            | 1          |
| Unspecified                                 | 1             | 0              | 0        | 0            | 1          |
| <b>Total</b>                                | <b>231</b>    | <b>1</b>       | <b>9</b> | <b>1</b>     | <b>246</b> |

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/nchs/injury/injury\\_tools.htm](http://www.cdc.gov/nchs/injury/injury_tools.htm)

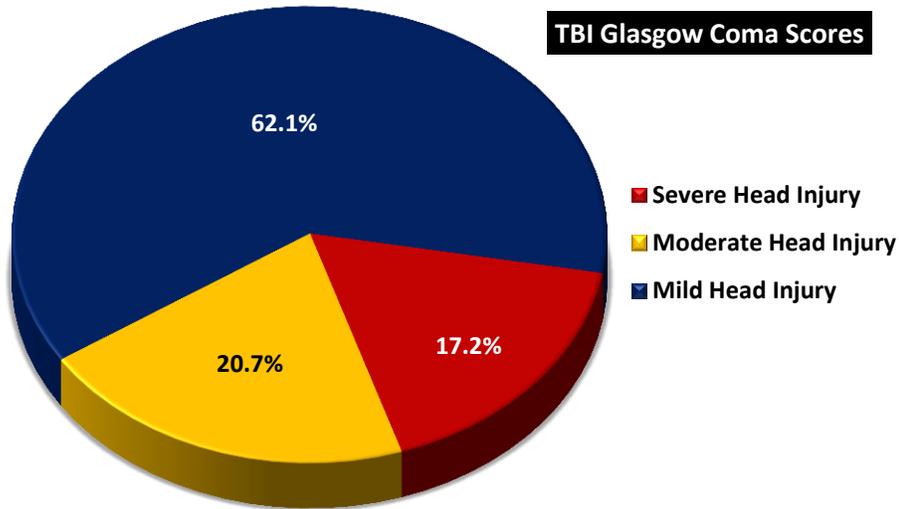
The leading injury diagnoses for all pediatric hospitalizations in 2013 are specified in the table below.

| Five Leading Pediatric Injury Diagnoses |  |                  |
|---|--|------------------|
| Rank                                    | Injury Category  | Hospitalizations |
| 1                                       | Fracture of upper limb                                   | 107              |
| 2                                       | Fracture of lower limb                                   | 45               |
| 3                                       | Internal injury of chest, abdomen, and pelvis            | 26               |
| 4                                       | Intracranial injury, excluding those with skull fracture | 26               |
| 5                                       | Open wound of head, neck, and trunk                      | 19               |

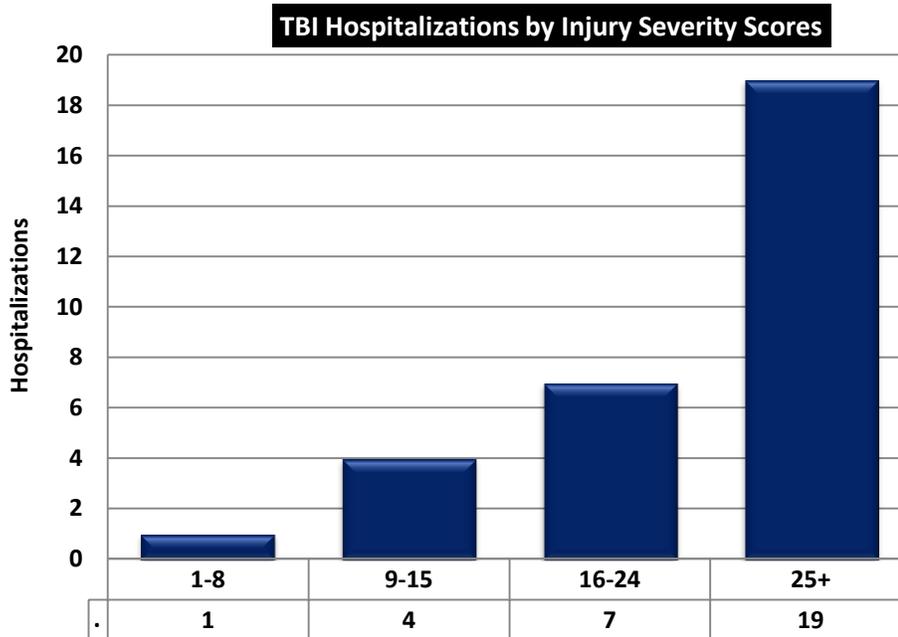
For details for which specific injury diagnosis codes are included in each ICD-9 injury diagnoses category, refer to [http://www.health.gov.bc.ca/msp/info/prac/diaqcodes/800\\_injury.pdf](http://www.health.gov.bc.ca/msp/info/prac/diaqcodes/800_injury.pdf)

## ASSESSMENTS

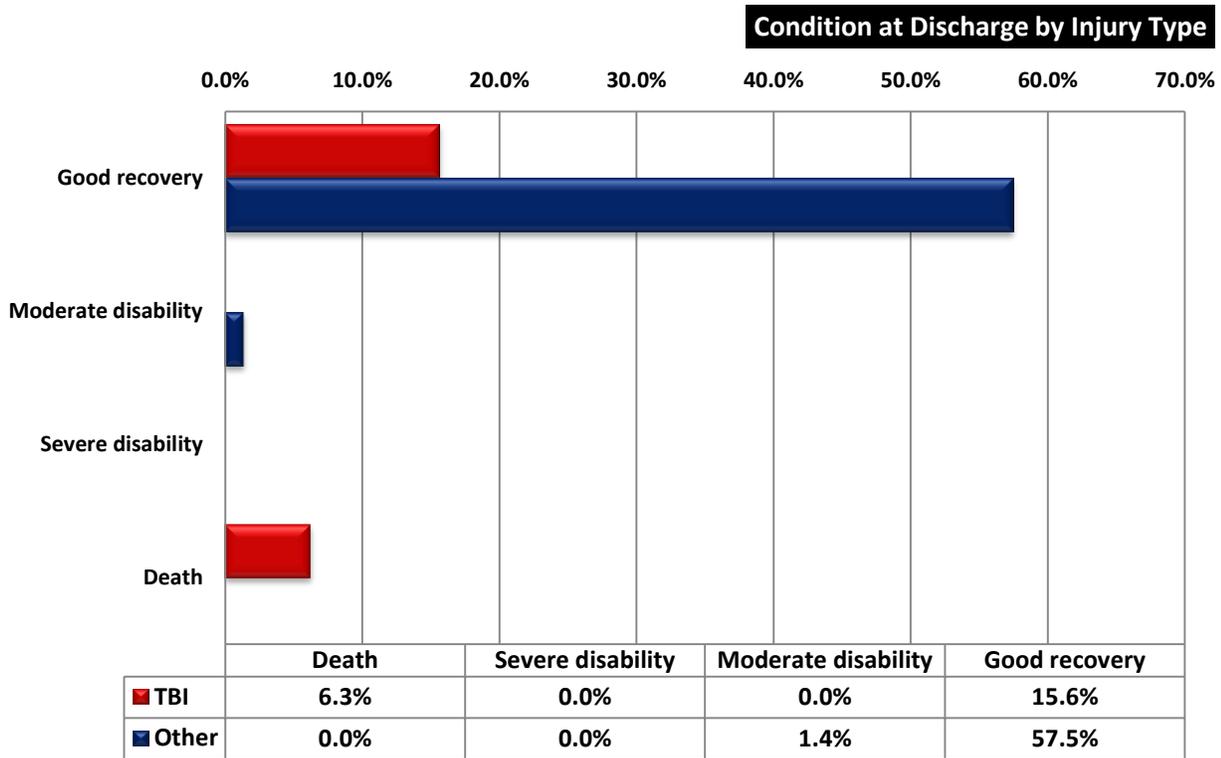
Total number of pediatric traumatic brain injuries 32



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                               | 0        | 0            | 0        |
| 1                                     | 0        | 0            | 0        |
| 2                                     | 0        | 0            | 0        |
| 3                                     | 0        | 0            | 0        |
| 4                                     | 0        | 0            | 0        |
| 5                                     | 0        | 0            | 0        |
| 6                                     | 0        | 0            | 0        |
| 7                                     | 0        | 0            | 0        |
| 8                                     | 0        | 0            | 0        |
| 9                                     | 0        | 0            | 0        |
| 10                                    | 1        | 0            | 1        |
| 11                                    | 0        | 0            | 0        |
| 12                                    | 0        | 0            | 0        |
| 13                                    | 0        | 0            | 0        |
| 14                                    | 0        | 0            | 0        |
| 15                                    | 0        | 0            | 0        |
| 16                                    | 1        | 0            | 1        |
| 17                                    | 0        | 0            | 0        |
| <b>Total</b>                          | <b>2</b> | <b>0</b>     | <b>2</b> |

## **RAC F**

### **ADDITIONAL NOTES**

Hospitals whose data contribute to this report are listed below.

| <b>Entity</b>                           | <b>Hospitalizations</b> |
|---|-------------------------|
| Christus St Michael Hospital - Atlanta  | 16                      |
| Christus St. Michael Health System      | 112                     |
| East Texas Medical Center - Clarksville | 6                       |
| Good Shepherd Medical Center - Linden   | 6                       |
| Hopkins County Memorial Hospital        | 27                      |
| Titus Regional Medical Center           | 15                      |
| Wadley Regional Medical Center          | 64                      |