



# **System Report**

**April - June 2018**

## **Mississippi Trauma Care System**

*Designated Trauma Care Providers  
Working Together to Prevent and Treat Trauma*

**Prepared for:**

**Mississippi State Board of Health**

**July 22, 2018**

## Introduction

The goal of the Mississippi Trauma System of Care is to deliver the *right* patient to the *right* hospital the *first* time. Research shows that this approach decreases mortality. Trauma remains the leading cause of death for Mississippians age 1 to 44, and Mississippi ranks 3<sup>rd</sup> in the nation for unintentional injury deaths.

Mississippi began development of a statewide trauma system in 1991. The Mississippi Legislature charged the Mississippi State Department of Health with the responsibility for oversight of trauma system development. The Mississippi Legislature passed House Bill 966 in 1998, formerly establishing the Trauma System. Since that time the state has adopted a trauma care plan, established seven designated trauma regions, designated qualifying hospitals as trauma centers, maintained a trauma registry, and disbursed funding to trauma regions, trauma centers, physicians and EMS providers. This year the Trauma System celebrates its 20<sup>th</sup> year.

The Mississippi Legislature passed House Bill 1405 during the 2008 Regular Session to revitalize and more fully fund the Mississippi Trauma Care System. Mississippi moved from a voluntary system with indigent reimbursement to a mandatory system with block grant funding based on funding; the first trauma system of its type in the United States. During the 2016 Regular Session the Legislature passed Senate Bill 2362, also known as the Budget Transparency and Simplification Act. Senate Bill 2362 swept collections from fines previously directed to an account to fund the Trauma System into the state General Fund. With SB 2362 about 35% of the Trauma System disbursement originates from the MSDH State General Funding allocation.

As suggested by the Mississippi Trauma Care Task Force, this report on the Mississippi Trauma Care System will be submitted quarterly to the Mississippi State Board of Health.



## Trauma - Quarterly Activities

- Registry sub-committee Statewide Meeting
  - Taskforce to determine validation process for registry data
  - Validation process approved for hospital, region and state level
  - Discussion of data submission deadline for all centers
  - Discussion of registry flowchart
  - Update from regions regarding burn inclusion criteria education
- Trauma User Group Training
  - Initial training on web-based registry (contact hours awarded for participants)
- Burn Performance Improvement Meeting
  - No meeting April - June
- Burn Sub-committee Statewide Meeting
  - No meeting April - June
- Trauma Functionality, Rules & Regulations Statewide Meeting
  - Chapter 2 Performance Improvement and Patient Safety approved
  - Discussion of repatriation of patients transferred
  - Discussion of validation process and delinquent data submissions
  - Trauma Funding Task Group (MTAC Task Group) – no meeting April - June
- Collaboration with registry vendor to implement updates to Trauma Registry
- Participation in statewide emergency preparedness drill

## Trauma Center Survey/ Education Visits:

- Two (2) Designation visits to Level III Centers
- One (1) Education visit to Level III Center

## Trauma Center Designations:

The following Level IV Trauma Centers were designated during this period:

- Magee General Hospital
- Tallahatchie General Hospital
- Tyler Holmes Memorial Hospital
- Highland Community Hospital
- Pearl River Community Hospital
- Stone County Hospital
- Walthall County General Hospital
- King's Daughters Medical Center – Brookhaven

Currently, the system is comprised of:

- Three (3) Level I Trauma Centers
  - University of Mississippi Medical Center, Jackson
  - Regional One Medical Center, Memphis
  - University of South Alabama, Mobile
- One (1) Stand-Alone Tertiary Pediatric Trauma Center
  - Le Bonheur Children's Hospital, Memphis
- Three (3) Level II Trauma Centers

- Forrest General Hospital, Hattiesburg
- Memorial Hospital of Gulfport, Gulfport
- North Mississippi Medical Center, Tupelo
- Sixteen (16) Level III Trauma Centers
  - Anderson Regional Medical Center, Meridian
  - Baptist Memorial Hospital – DeSoto, Southaven
  - Baptist Memorial Hospital – Golden Triangle, Columbus
  - Baptist Memorial Hospital – North Mississippi, Oxford
  - Delta Regional Medical Center, Greenville
  - Garden Park Medical Center, Gulfport
  - Magnolia Regional Health Center, Corinth
  - Merit Health Biloxi, Biloxi
  - Merit Health Central, Jackson
  - Merit Health River Oaks, Flowood
  - Ocean Springs Hospital, Ocean Springs
  - OCH Regional Medical Center, Starkville
  - Rush Foundation Hospital, Meridian
  - Singing River Hospital, Pascagoula
  - South Central Regional Medical Center, Laurel
  - Southwest Mississippi Regional Medical Center, McComb
- Sixty-Two (62) Level IV Trauma Centers
- One (1) Burn Center: J.M. Still at Merit Health Central

### **Mississippi Trauma Advisory Committee (MTAC):**

- Scheduled MTAC canceled due to a lack of quorum – April 17, 2018

### **Clinical Effectiveness Committee (CEC)/ Trauma Medical Directors:**

- Clinical Effectiveness Committee met June 26, 2018
- Points of discussion:
  - Discussion of deadline for registry data submission
  - Activation Criteria
    - Review of registry data regarding changes to activation criteria
    - Bravo criteria
  - EMS Destination Guidelines
  - Education for Level IV centers, i.e. ATLS and/or RTDC

### **Trauma Performance Improvement (PI) Program:**

- Performance Improvement Committee met April 10, 2018
- Points of discussion:
  - Transfers of pediatric patients
  - Alpha activations at Level IV centers
  - Standard report for region reporting
  - Approval statewide Performance Improvement/Patient Safety (PIPS) Plan
  - Over triage and report to state PI Committee from regions/centers
  - Mortality related to trauma patients
    - Specifically unexpected survivors and unexpected deaths

**Trauma Data: (January 2018, February 2018, March 2018)*****Injury Severity Score (ISS) Summary for Level I-III Trauma Centers***

MS Trauma Registry

DI Report Writer Statistics Report

Generated 07/15/2018

Arrival Dates 01/01/2018 – 03/31/2018

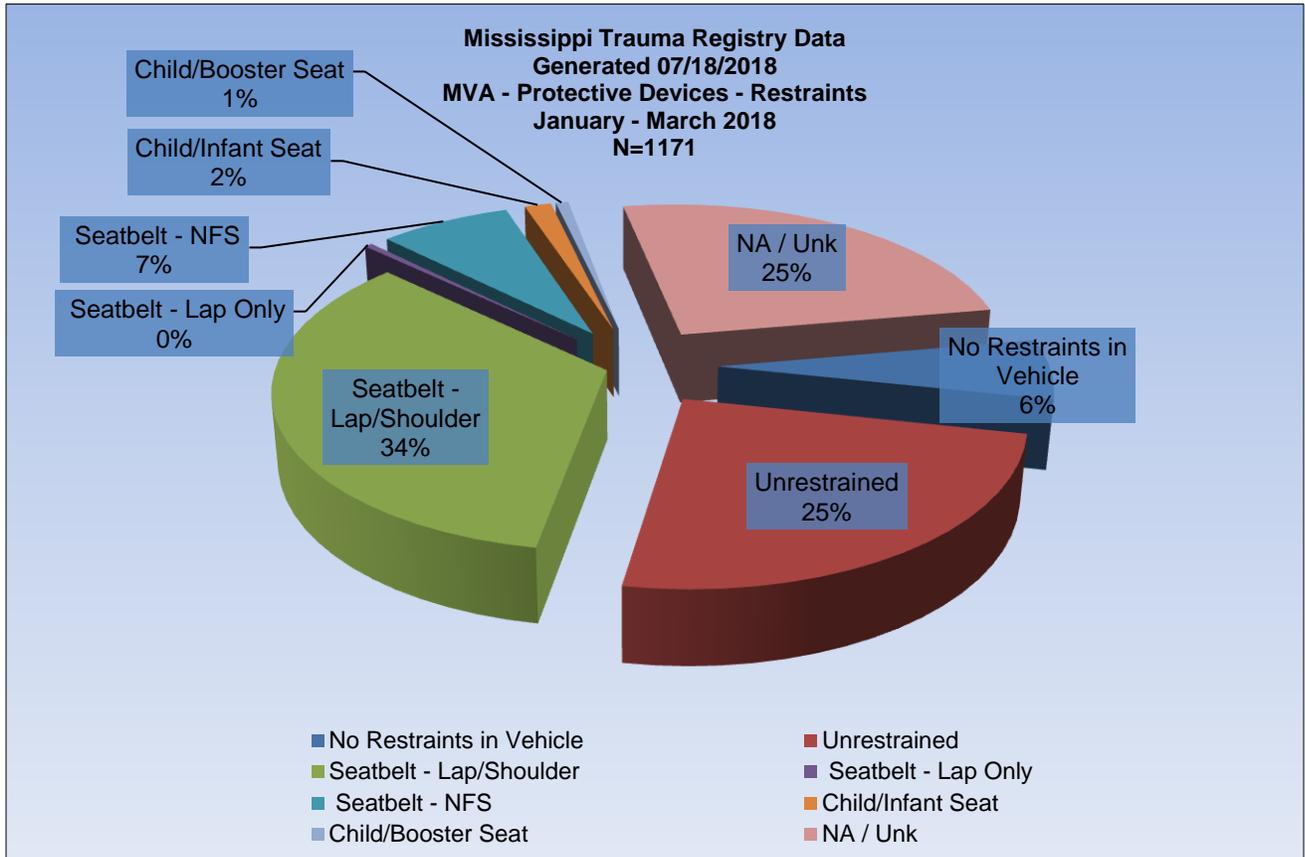
Trauma Records Only

Query: LEVEL\_I\_III\_HOSPS

Gather: BY\_HOSP\_123 (Level 123 Hospitals)

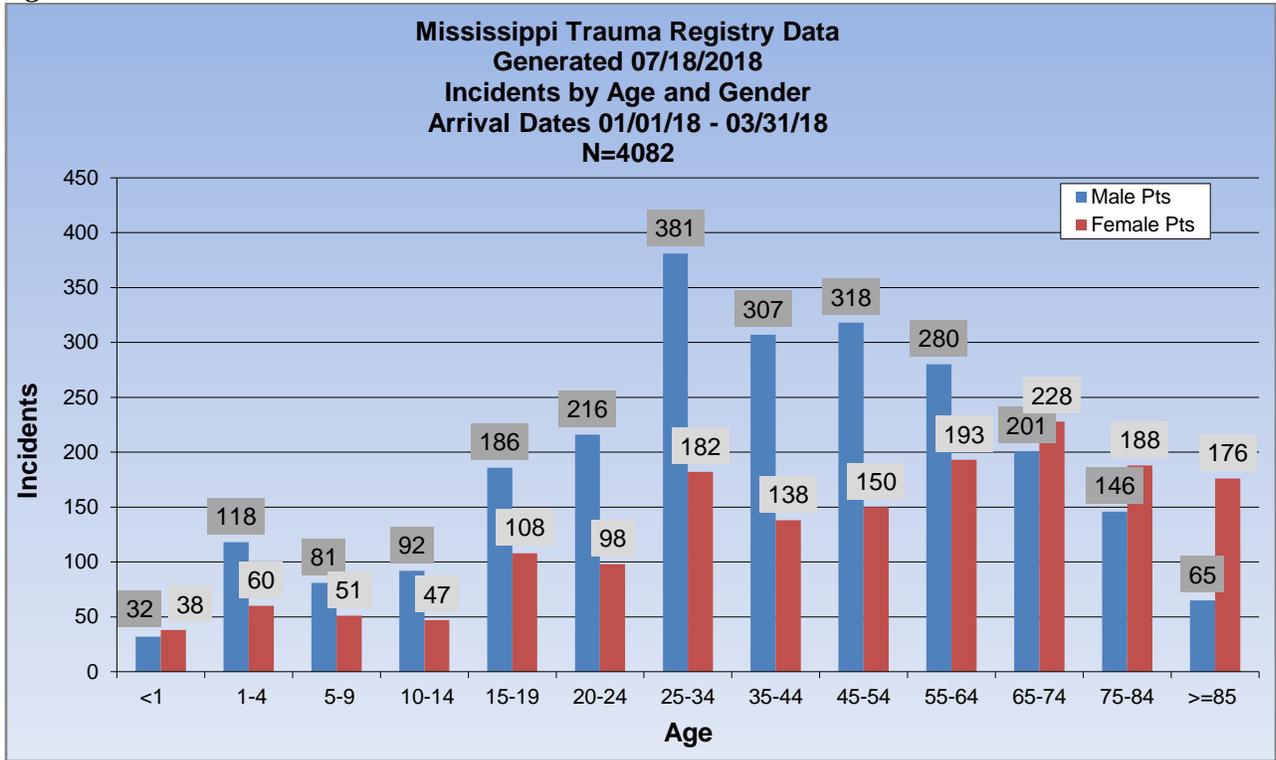
<b>Centers</b>	<b>ISS 1-9</b>	<b>ISS 10-15</b>	<b>ISS 16-24</b>	<b>ISS&gt;24</b>	<b>ISS N/V</b>
Baptist Memorial Hospital-Desoto	191	12	4	1	0
Baptist Memorial Hospital-Golden Triangle	125	21	2	1	0
Baptist Memorial Hospital-North Miss.	84	11	3	1	0
Delta Regional Medical Center	45	9	3	2	0
Forrest General Hospital	366	44	22	16	0
Garden Park Medical Center	76	14	12	1	1
LeBonheur Children's Medical Center	84	12	10	4	0
Magnolia Region Health Center	82	16	9	0	0
Memorial Hospital at Gulfport	137	18	7	8	0
Merit Health River Oaks	20	1	1	0	0
Merit Health Biloxi	46	5	1	3	3
Merit Health Central	13	0	1	0	0
North MS Medical Center-Tupelo	230	44	24	8	0
Ocean Springs Hospital	74	15	3	0	0
Oktibbeha County Hospital	34	3	0	0	0
Regional Medical Center - North	69	15	3	7	0
Regional One Health	75	23	22	11	0
Rush Foundation Hospital	68	9	7	5	0
Singing River Hospital	89	8	6	0	0
South Central Regional Medical Center	55	17	12	0	0
Southwest Mississippi Regional Medical Center	78	8	4	2	0
Univ of South Alabama Medical Center	33	19	15	8	1
University Medical Center	299	48	30	31	0

***MVA Injuries***

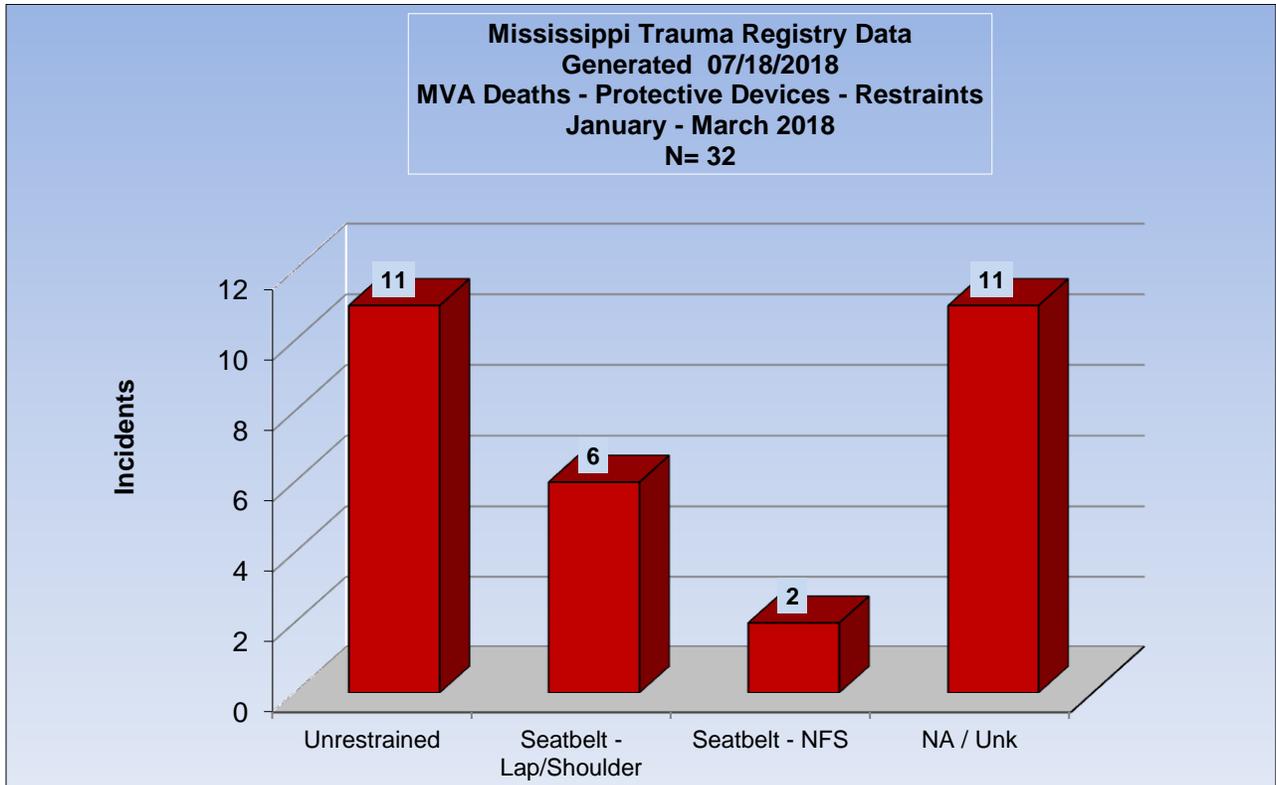


Legislative Bill signed on May 9, 2017 requiring all passengers in vehicle to wear seatbelts.

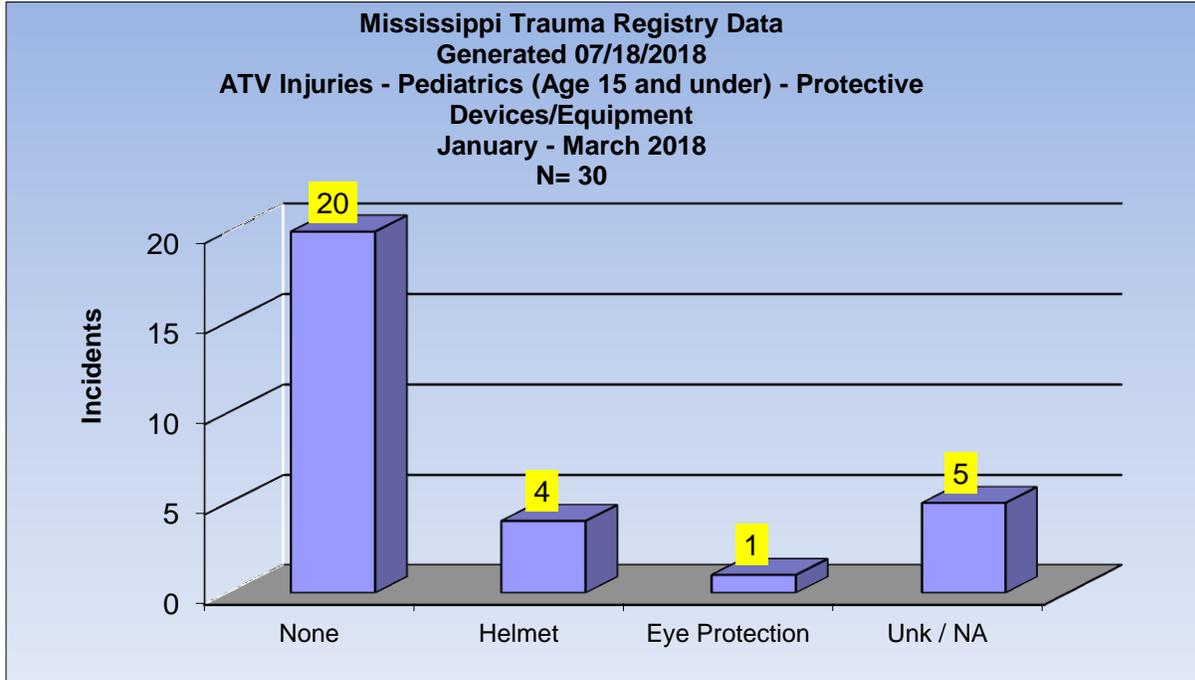
**Age and Gender**



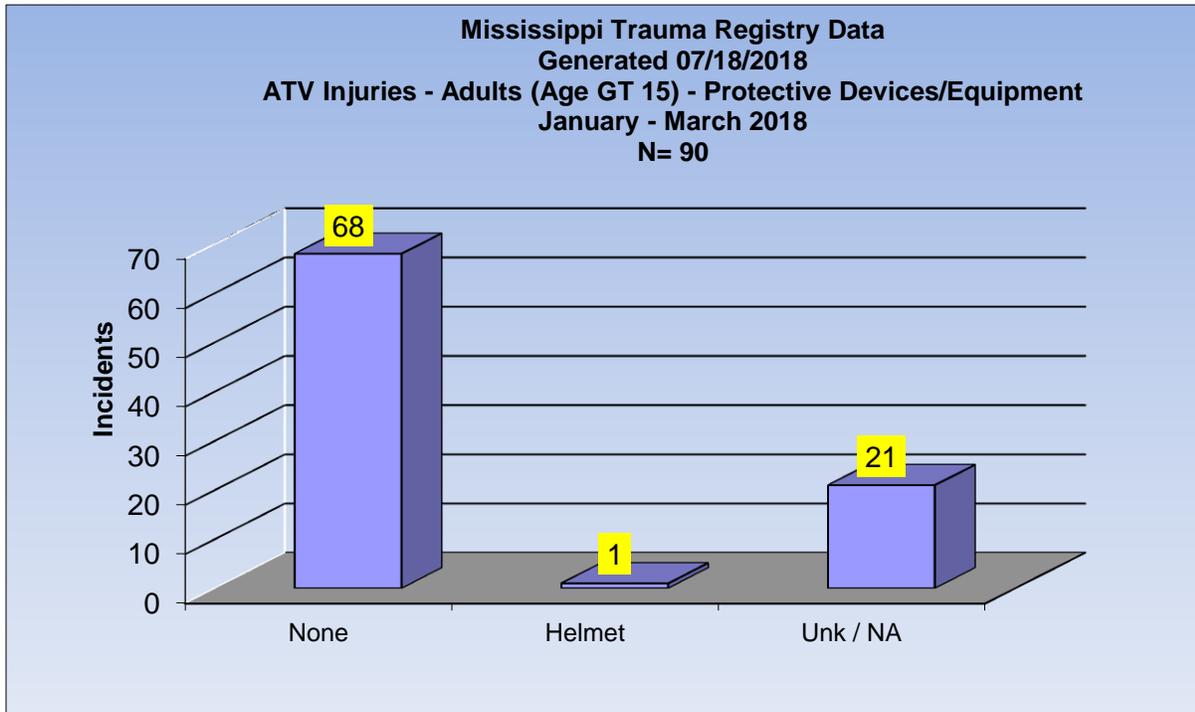
**MVA Deaths**



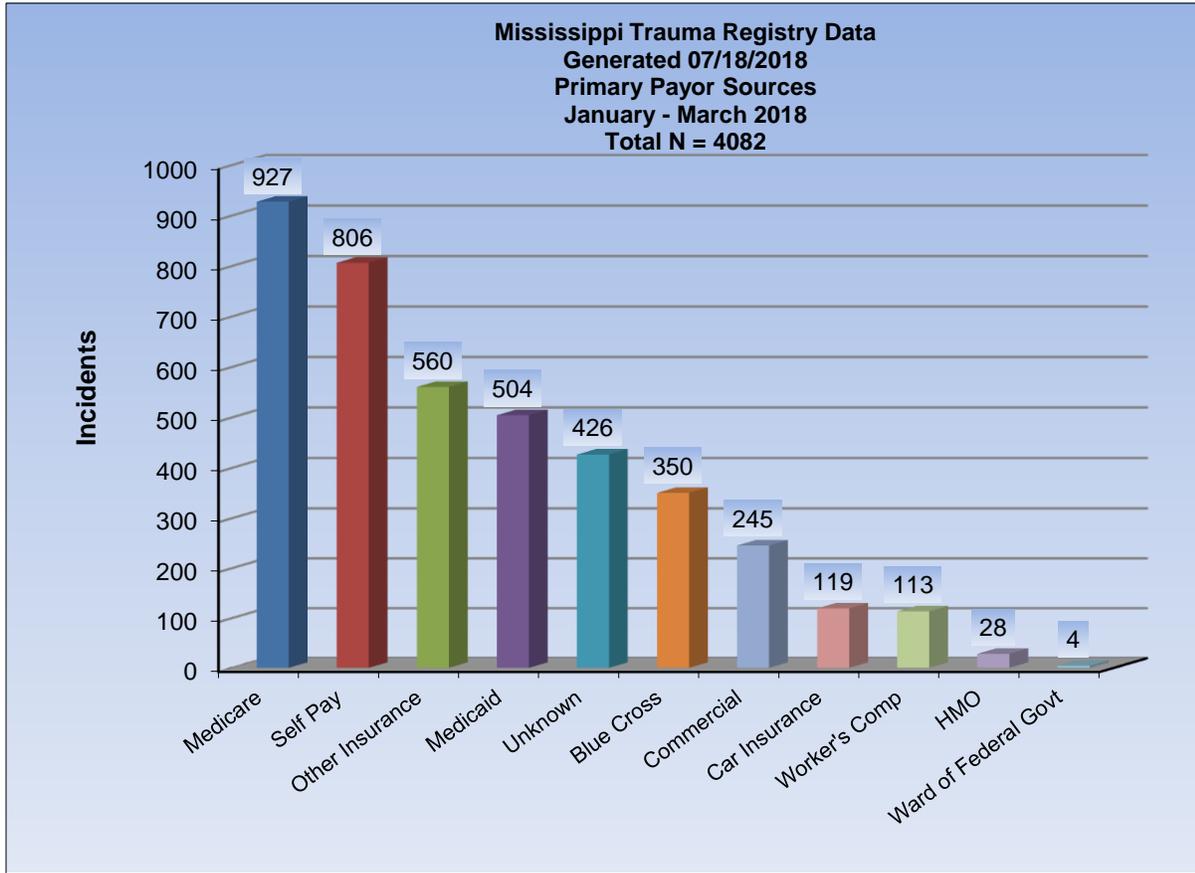
***ATV Injuries (Protective Devices)***  
***Pediatric***



***ATV Injuries (Protective Devices)***  
***Adult***



**Financial Data:**



**Trauma Care Trust Fund:**

	<b>April</b>	<b>May</b>	<b>June</b>	<b>Total</b>
Auto Privilege & Tag Fees	\$1,476,913.32	\$ 1,744,049.29	\$ 1,094,913.68	\$ 4,315,876.29
Interest Income	\$ 12,756.41	\$ 8,163.49	\$ 12,679.28	\$ 33,599.18
License, Fees and Permits	\$ 73,757.44	\$ 115,065.27	\$ 101,666.83	\$ 290,489.54
				<b>\$ 4,639,965.01</b>