



System Report

July - September 2018

Mississippi Trauma Care System

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

Prepared for:

Mississippi State Board of Health

November 7, 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 3rd 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, 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 20th 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
 - Validation process approved for hospital, region and state level
 - Discussion of registry inclusion criteria
 - Discussion of registry flowchart
- Trauma User Group Training
 - No meeting July - September
- Burn Performance Improvement Meeting
 - Discussion and updated to Burn Dashboard
 - Discussion of how to identify burn deaths on scene
 - Request of regions to submit core indicators on burn patients
- Burn Sub-committee Statewide Meeting
 - Reviewed Trauma System of Care plan – updates to Board of Health in January 2019
 - Discussion of Burn Destination guidelines
 - Discussion of required resources for pediatric burn patients
- Trauma Functionality, Rules & Regulations Statewide Meeting
 - Chapter 2 Performance Improvement and Patient Safety approved and advanced to MTAC
 - Discussion of number of rehab services in the state
 - Discussion of validation process and delinquent data submissions
 - Trauma Funding Task Group (MTAC Task Group) – no meeting July - September
- Collaboration with registry vendor to implement updates to Trauma Registry
- Completed Financial Audits for seven (7) regions, centers and EMS agencies
- Collaboration with Mississippi Department of Transportation to work on Strategic Highway Safety Plan
- Trauma Nursing Core Course (TNCC) for six providers
- Participation with Emergency Preparedness responding to Hurricane Florence

Trauma Center Survey/ Education Visits:

- One (1) Designation visit to Level III Center
- One (1) Education visit to Level III Center
- One (1) Education visit to Burn 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 (17) 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
 - Merit Health Wesley, Hattiesburg
 - 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 (61) Level IV Trauma Centers
- One (1) Burn Center: J.M. Still at Merit Health Central

Mississippi Trauma Advisory Committee (MTAC):

- MTAC meeting 7-12-2018
 - Financial update provided by Mr. Craig
 - BACS update by Mr. Hall to include update regarding trauma registry, legislative event (March) and Trauma System of Care entering its 20th year.
 - Data regarding transfers and trends in transfers provided by Ms. Windham
 - Request for MS Hospital Association to update the report from 2015 to reflect changes in trauma funding
 - Approval of Chapter 2 of MS Trauma Rules and Regulations
 - Discussion to continue the Stop the Bleed program for law enforcement up to the \$500,000 allotted
- MTAC meeting 9-26-2018
 - BACS update to include update on Trauma System of Care Rules and Regulations Chapter 2

- Update on trauma center designations
- Update on trauma registry implementation
- Update on trauma region administrative payments
- Update on TCTF distribution payments
- Discussed project of updating the trauma SOC plan to provide for burn destination guideline

Clinical Effectiveness Committee (CEC)/ Trauma Medical Directors:

- Clinical Effectiveness Committee met September 12, 2018
- Points of discussion:
 - Activation Criteria
 - Review of registry data regarding changes to activation criteria
 - Bravo criteria
 - EMS Destination Guidelines

Trauma Performance Improvement (PI) Program:

- Performance Improvement Committee met July 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: (April 2018, May 2018, June 2018)***Injury Severity Score (ISS)
Summary for Level I-III Trauma Centers***

MS Trauma Registry

DI Report Writer Statistics Report

Generated 11/05/2018

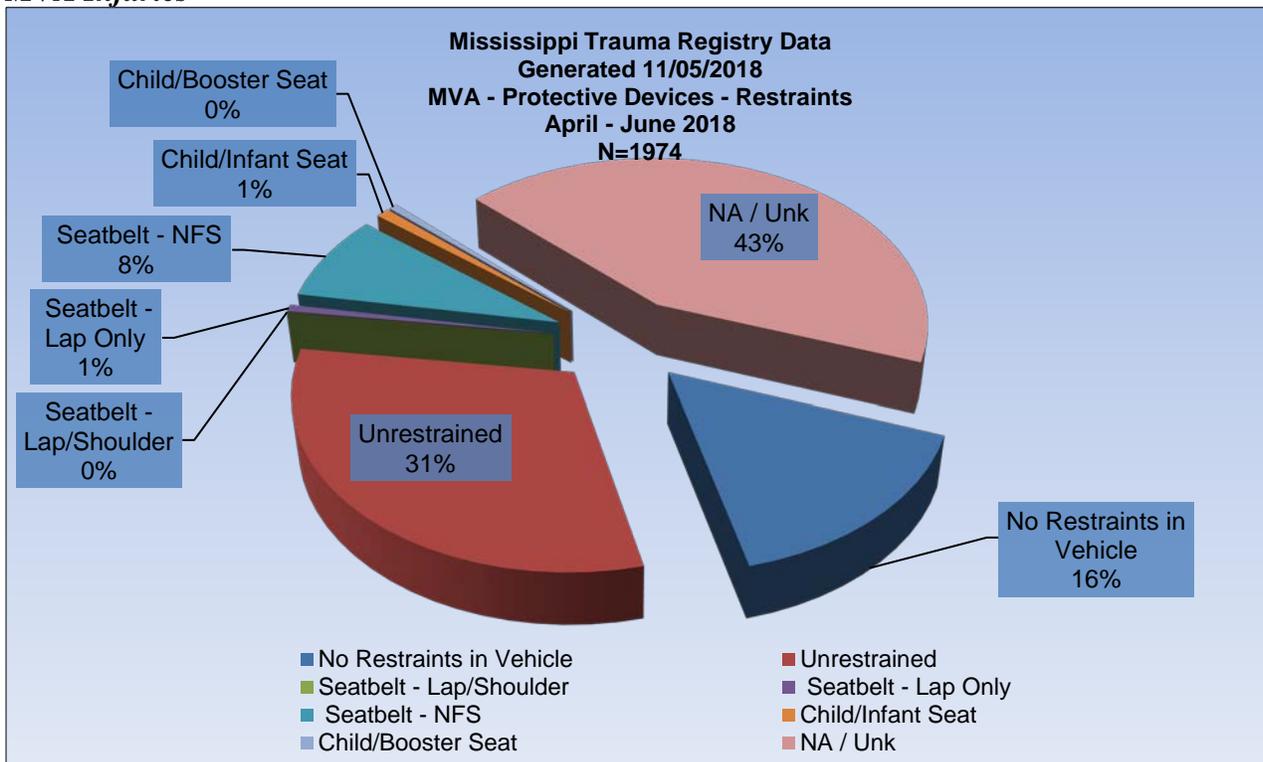
Arrival Dates 04/01/2018 – 06/30/2018

Trauma Records Only

Query: LEVEL_I_III_HOSPS

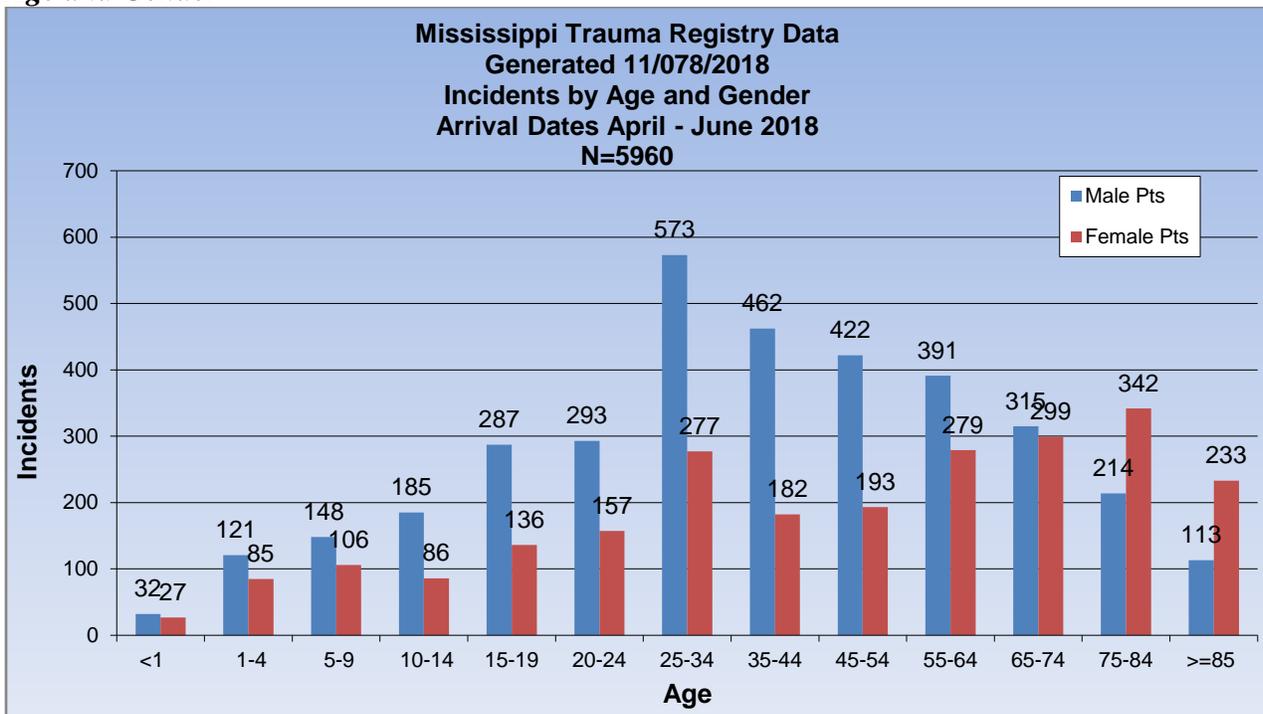
Facility	ISS 1-9	ISS10-15	ISS16-24	ISS>24	ISS N/V
Baptist Memorial Hospital-Desoto	344	23	8	11	0
Baptist Memorial Hospital- GoldenTriangle	159	15	3	0	0
Baptist Memorial Hospital-North Miss.	107	18	0	1	0
Delta Regional Medical Center	59	8	4	0	1
Forrest General Hospital	510	43	29	27	0
Garden Park Medical Center	125	18	3	5	0
LeBonheur Children's Medical Center	119	8	5	4	2
Magnolia Region Health Center	87	28	6	3	0
Memorial Hospital at Gulfport	248	32	9	9	0
Merit Health River Oaks	25	3	1	0	0
Merit Health Biloxi	62	4	2	1	1
Merit Health Central	59	3	0	2	0
North MS Medical Center-Tupelo	336	55	20	11	0
Ocean Springs Hospital	132	16	2	0	0
Oktibbeha County Hospital	25	5	1	0	0
Regional Medical Center - North	84	34	7	7	0
Regional One Health	70	16	17	15	0
Rush Foundation Hospital	61	11	3	7	0
Singing River Hospital	100	9	2	0	1
South Central Regional Medical Center	98	20	8	3	0
Southwest Mississippi Regional Medical	112	13	6	3	0
Univ of South Alabama Medical Center	61	11	20	11	0
University Medical Center	822	188	78	31	3
Total	3805	581	234	151	8

MVA Injuries

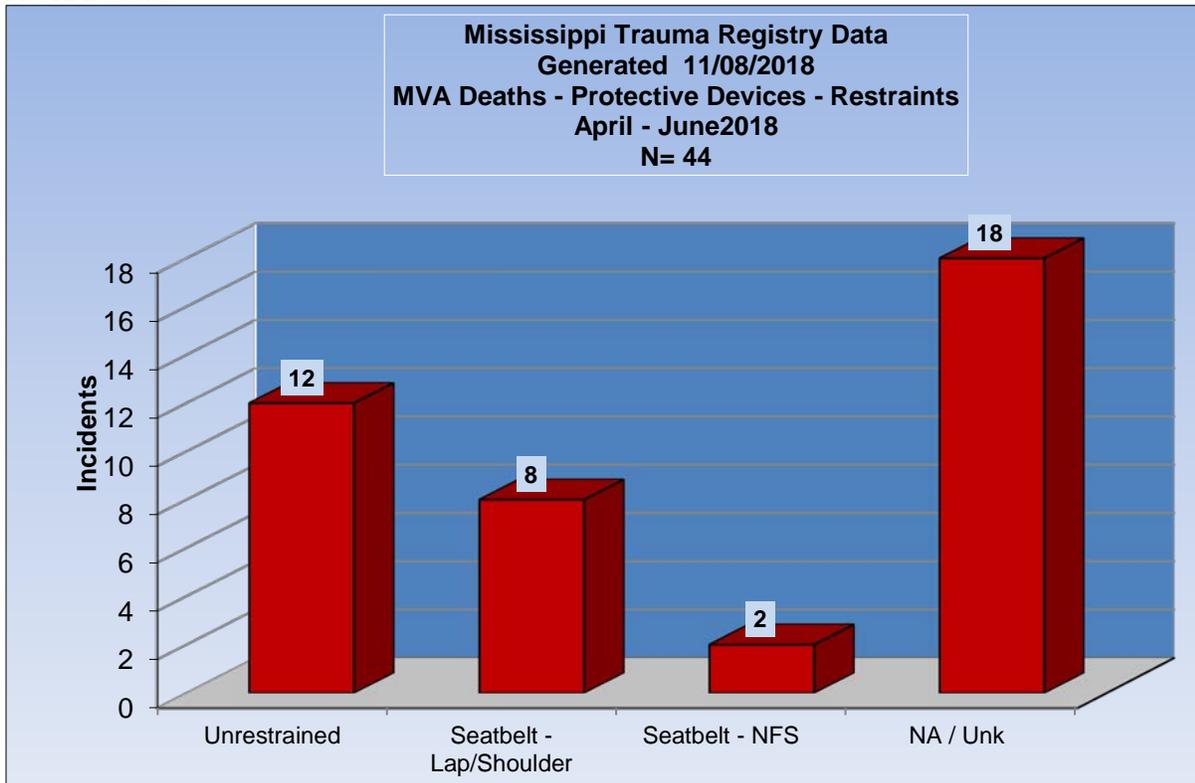


Legislative Bill signed on May 9, 2017 requiring all passengers in vehicle to wear seatbelts.

Age and Gender

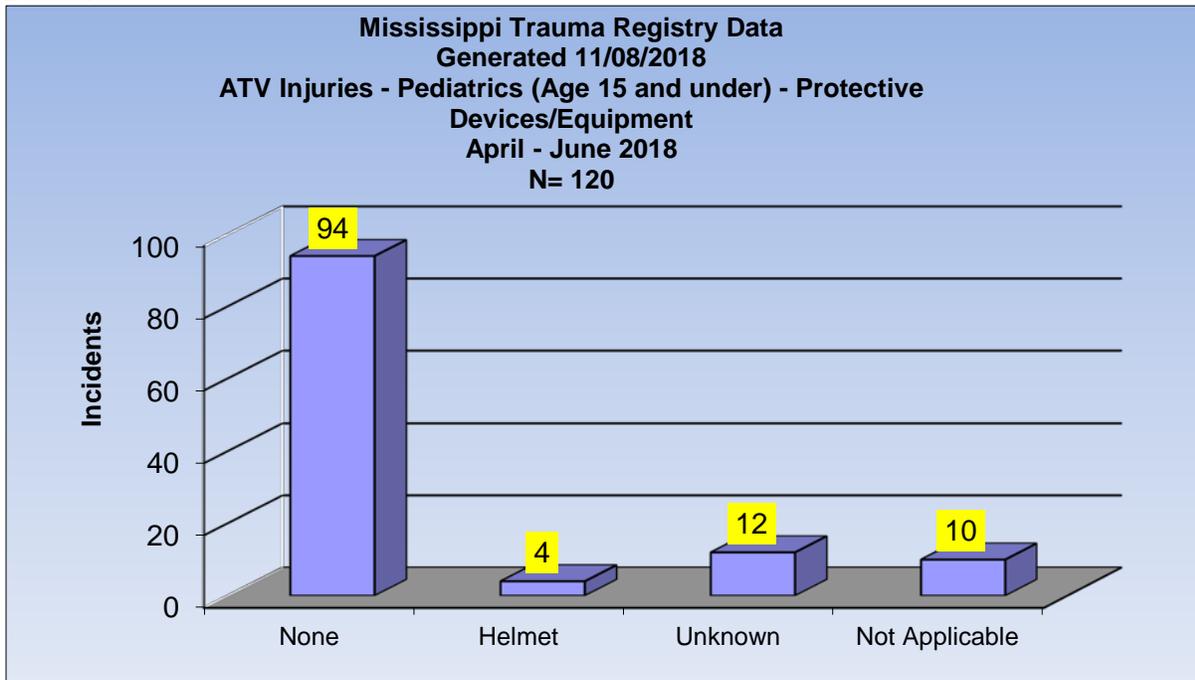


MVA Deaths

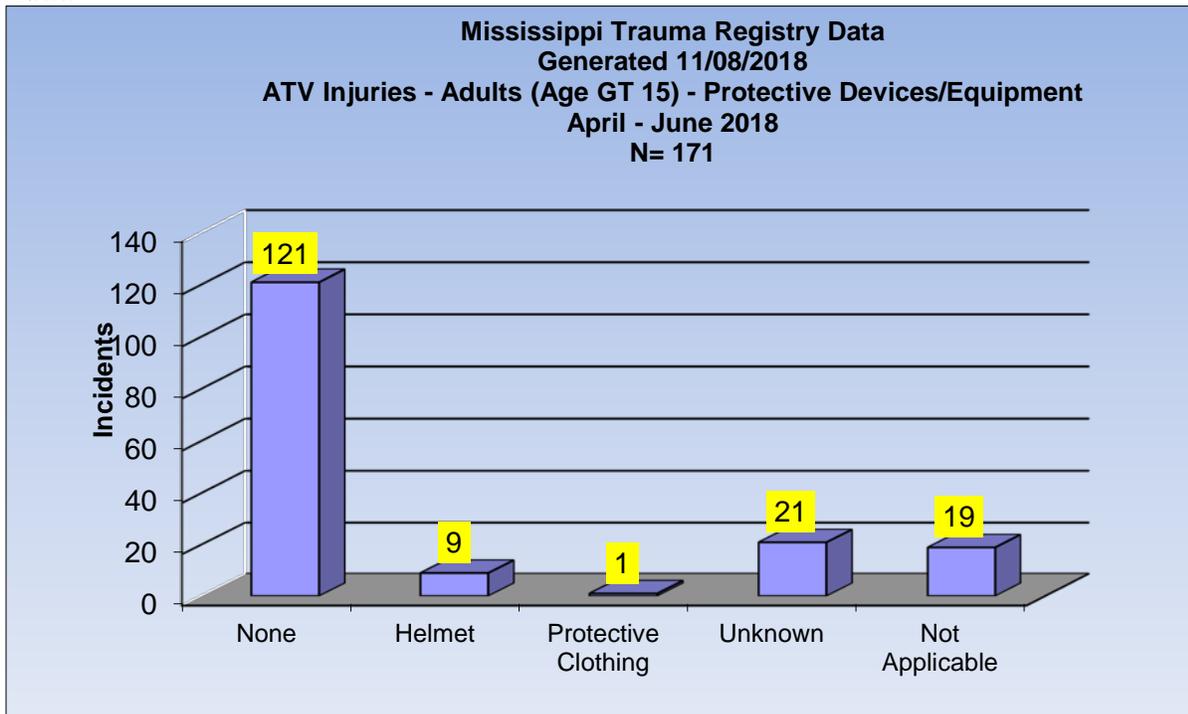


ATV Injuries (Protective Devices)

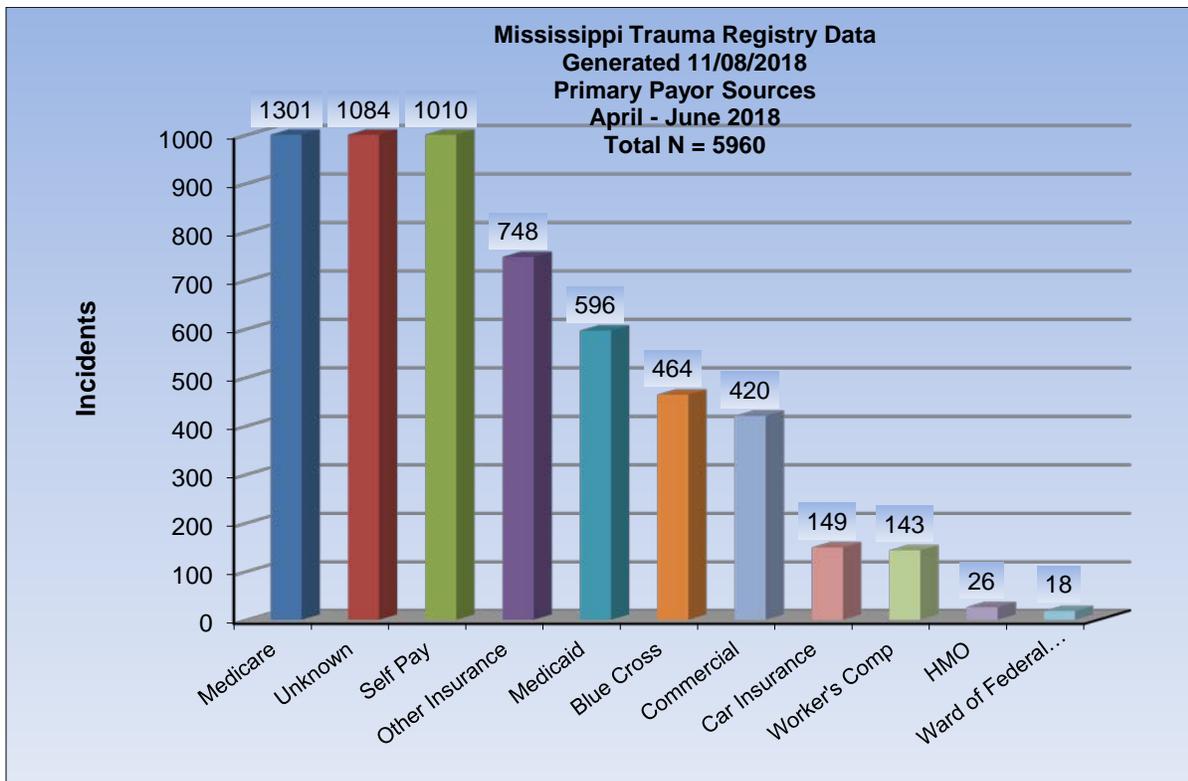
Pediatric



**ATV Injuries (Protective Devices)
Adult**



Financial Data:



Trauma Care Trust Fund:

	July	August	September	Total
Auto Privilege & Tag Fees	\$ 1,050,510.57	\$ 1,063,175.34	\$ 1,014,069.19	\$ 3,127,755.10
Interest Income	\$ -	\$ 25,815.21	\$ 10,038.55	\$ 35,853.76
License, Fees and Permits	\$ 97,215.60	\$ 99,601.36	\$ 121,418.06	\$ 318,235.02
				\$ 3,481,843.88