



System Report

January – March 2019

Mississippi Trauma Care System

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

Prepared for:

Mississippi State Board of Health

April 22, 2019

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. Last year the Trauma System celebrated 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
 - Discussion of web-registry implementation
 - Collaboration to obtain dataset excluded from registry for Clinical Effectiveness Committee (Level I – III only)
 - Task group to review registry inclusion algorithm
- Trauma User Group Training
 - Two days of training provided in collaboration with UMMC
 - both days well attended with request to repeat the class
- Burn Performance Improvement Meeting
 - Discussion and updates to Burn Dashboard
 - Discussion of how to identify burn deaths on scene with Fire Marshal input
- Burn Sub-Committee Statewide Meeting
 - Reviewed Trauma System of Care Plan – Requested Update Sent to MTAC
 - Discussion of proposed burn destination guidelines
 - Discussion of required resources for pediatric burn patients
- Trauma Functionality/Rules & Regulations Sub-Committee Meeting
 - Discussion regarding TNCC requirements for Trauma Centers
 - Discussion regarding EMS wait times in hospitals – EMS reviewing data
 - Trauma Funding Task Group (MTAC Task Group) did not meet this quarter
- Collaboration with registry vendor to implement updates to Trauma Registry
- Collaboration with Mississippi Department of Transportation on Strategic Highway Safety Plan

Trauma Center Survey/ Education Visits:

- One (1) on-site visit to assist with trauma rules and regulations
- One (1) on-site education visit with Trauma Program Manager
- One (1) designation visit to Level III Center
- Two (2) on-site Focused Staff Visit to Level III Center

Trauma Center Designations:

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

- S. E. Lackey Memorial Hospital
- MS Baptist Medical Center – Jackson

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
- Seventeen (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-One (61) Level IV Trauma Centers
- One (1) Burn Center: J.M. Still at Merit Health Central

Mississippi Trauma Advisory Committee (MTAC):

- MTAC Meeting (January 22, 2019)
 - BACS Update, with Specifics on Trauma System
 - UMMC Staff Presentation on Pediatric Head Injuries
 - MSDH 20 Year Video Presented
 - Recommendation to Eliminate Bravo Criteria on Anticoagulated Older Adults
 - Clinical Success Story Presented by Dr. Donald
 - Approval of the Trauma System of Care Plan
 - Overview of AirCare Pre-Hospital PI process – Dr. Damon Darsey
 - TQIP Overview – Ms. Amber Kyle

Clinical Effectiveness Committee (CEC)/ Trauma Medical Directors:

- Clinical Effectiveness Committee Members Participated in Trauma Advocacy Day at the Mississippi Legislature (January 30, 2019)
 - Bleeding control kits presented to the legislators
 - Bleeding control education provided

Trauma Performance Improvement (PI) Program:

- Performance Improvement Committee Meeting (January 8, 2019)
 - Discussion of diversion status regarding Coastal Region

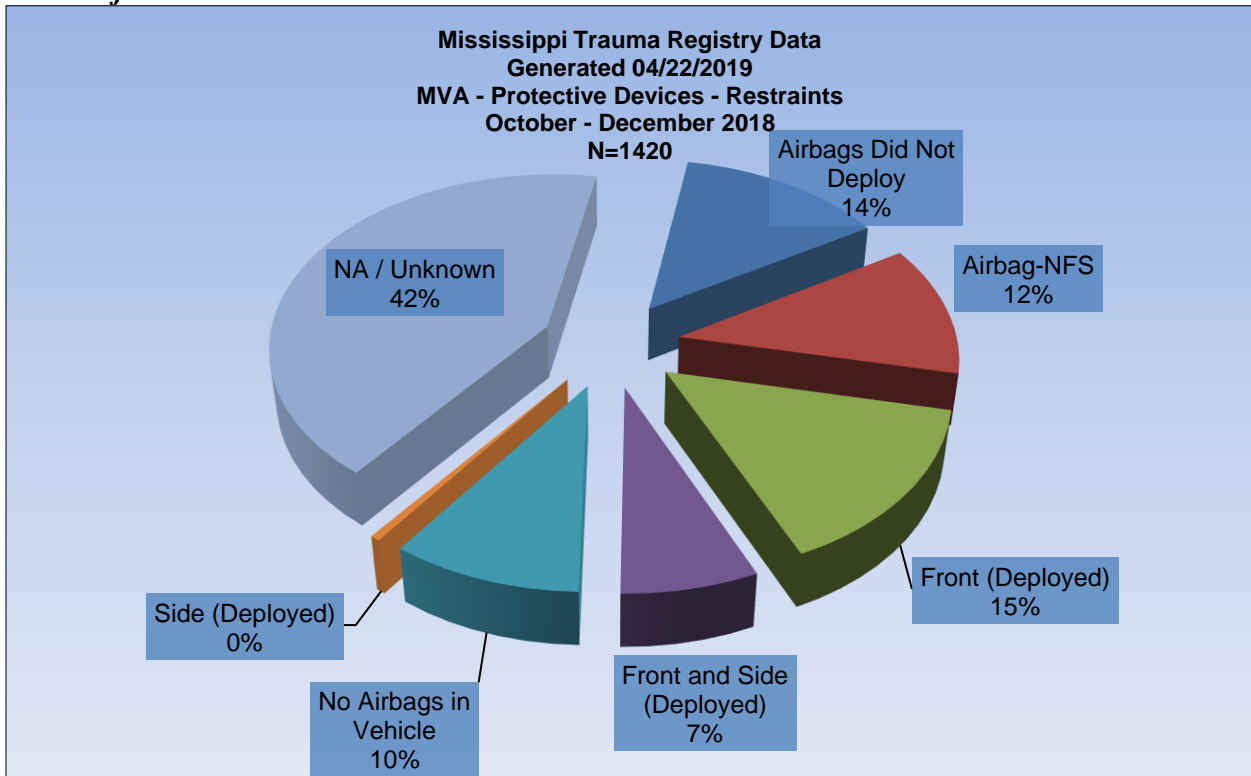
- Transfers of pediatric patients
- Alpha activations at Level IV centers
- Transfer / Transport times
- Orthopedic response times
- PI Scorecard for centers
- Approval statewide Performance Improvement/Patient Safety (PIPS) Plan to begin using indicators with January 1, 2019 encounters

Trauma Data: (October 2018, November 2018, December 2018)

MS Trauma Registry
 DI Report Writer Statistics Report
 Generated 04/22/2019
 Arrival Dates 10/01/2018 – 12/31/2018
 Trauma Records Only
 Query: LEVEL_I_III_HOSPS
 Gather: BY_HOSPITAL (By facility)

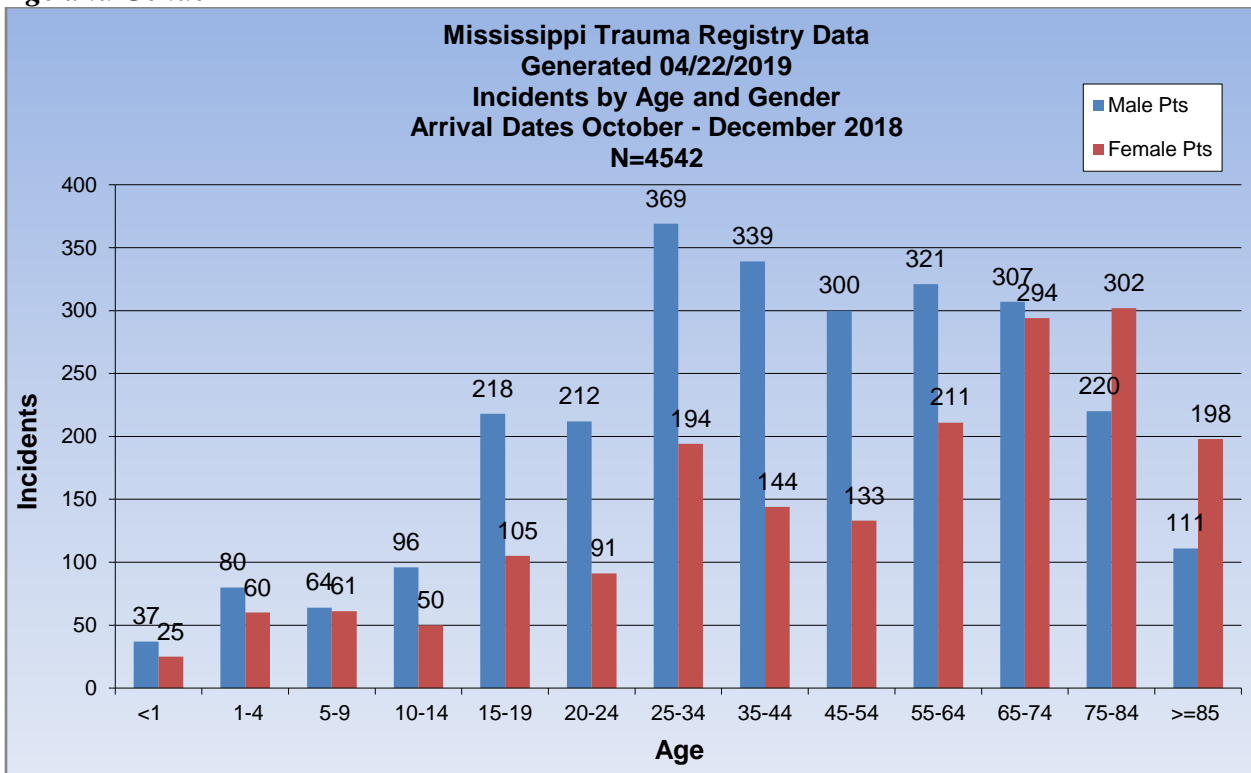
Facility	ISS 1-9	ISS 10-15	ISS 16-24	ISS>24	ISS N/V
Baptist Memorial Hospital-Desoto	283	23	12	8	2
Baptist Memorial Hospital-GT	134	8	1	0	0
Baptist Memorial Hospital-North Miss.	48	3	1	1	0
Delta Regional Medical Center	46	2	2	0	0
Forrest General Hospital	503	50	41	18	0
Garden Park Medical Center	92	17	5	4	1
LeBonheur Children's Medical Center	61	8	7	4	1
Magnolia Region Health Center	88	13	4	4	0
Memorial Hospital at Gulfport	220	34	11	8	0
Merit Health River Oaks	37	1	0	0	0
Merit Health Biloxi	38	7	6	5	1
Merit Health Central	21	2	1	0	0
North MS Medical Center-Tupelo	318	59	28	25	0
Ocean Springs Hospital	111	14	3	0	0
Oktibbeha County Hospital	19	0	2	0	0
Regional Medical Center - North	97	25	4	0	0
Regional One Health	53	18	10	8	0
Rush Foundation Hospital	40	7	2	3	0
Singing River Hospital	113	12	4	1	0
South Central Regional Medical Center	93	14	7	2	0
Southwest MS Regional Medical Center	69	13	8	4	0
Univ of South Alabama Medical Center	39	18	16	11	1
University Medical Center	170	42	19	40	0
Total	2693	390	194	146	6

MVA Injuries

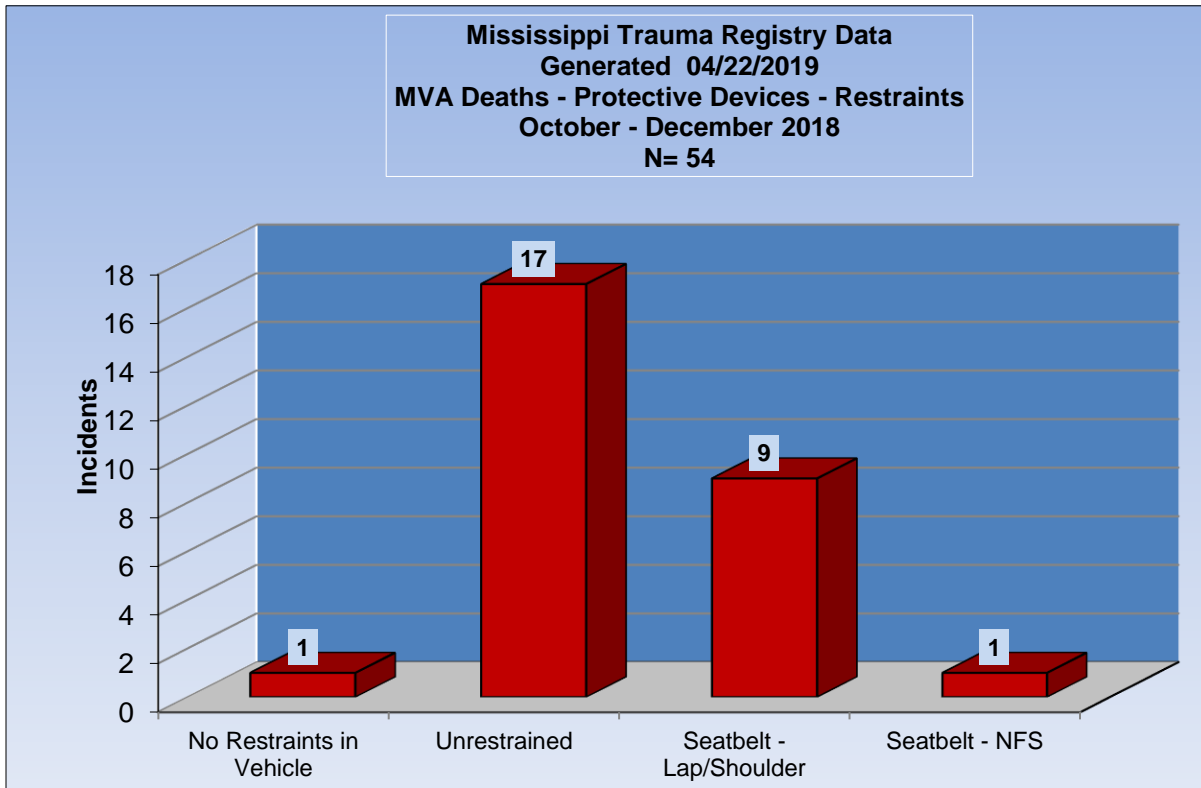


Legislative Bill signed on May 9, 2017 requiring all passengers in vehicle to wear seatbelts.

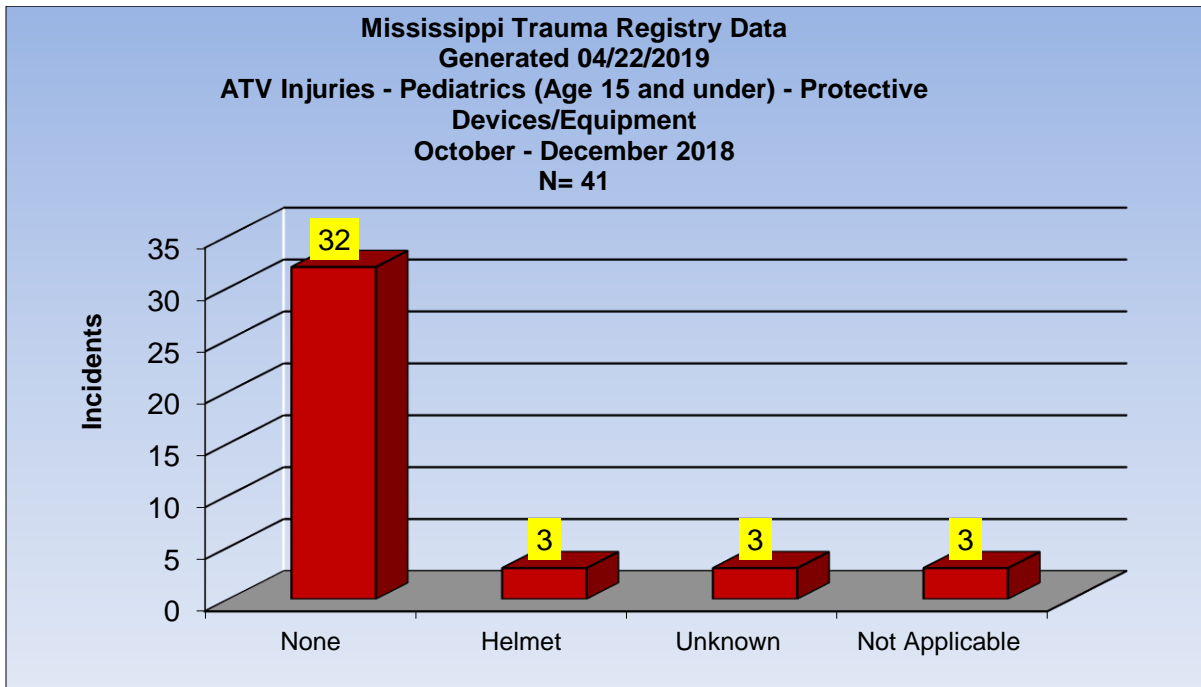
Age and Gender



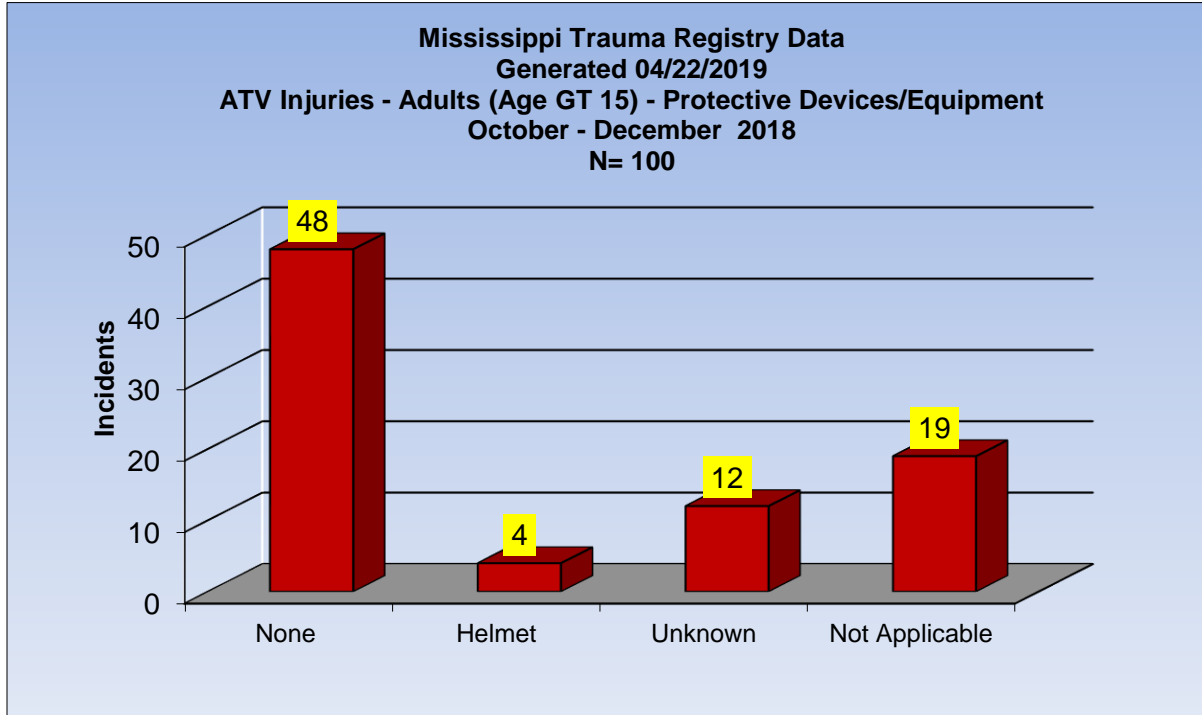
MVA Deaths



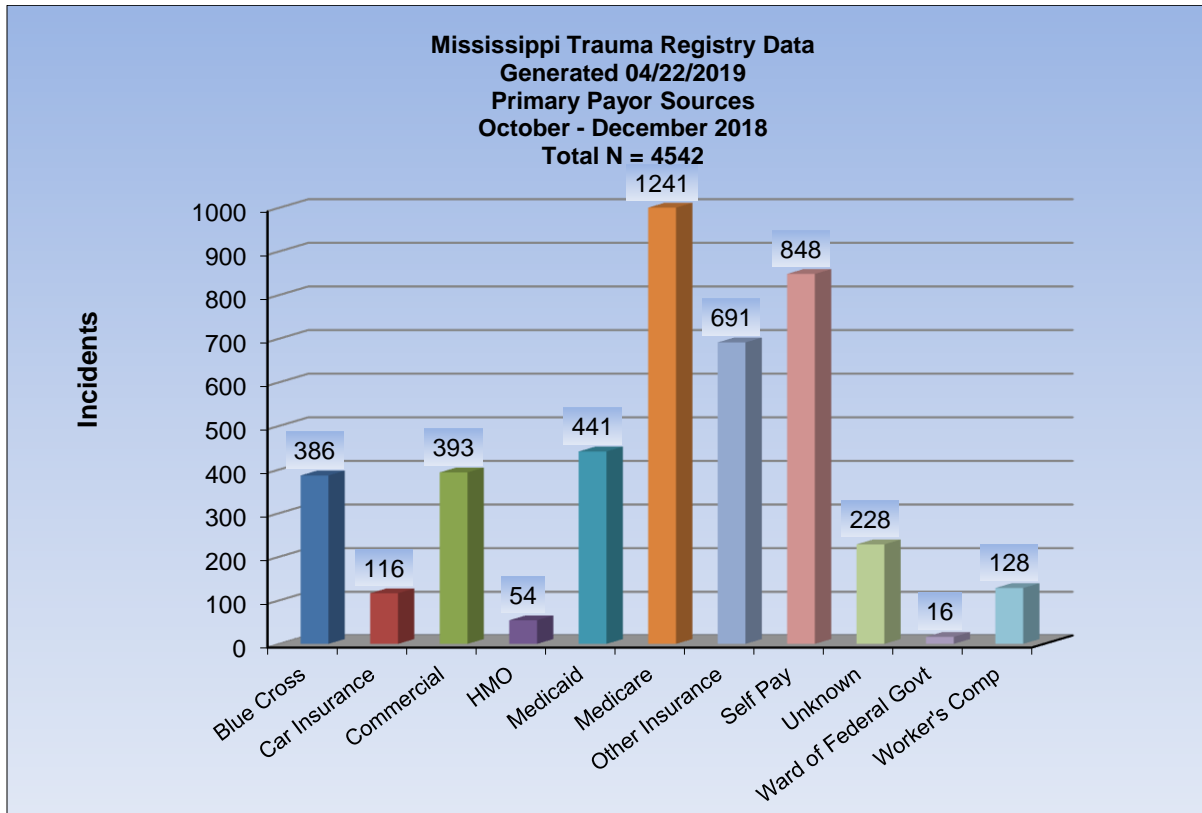
ATV Injuries (Protective Devices)
Pediatric



**ATV Injuries (Protective Devices)
Adult**



Financial Data:



Trauma Care Trust Fund:

	January	February	March	Total
Auto Privilege & Tag Fees	\$ 872,214.74	\$ 749,946.06	\$ 916,903.42	\$ 2,539,064.22
Interest Income	\$ 17,110.16	\$ 32,006.87	\$ 20,241.12	\$ 69,358.15
License, Fees and Permits	\$ 120,019.18	\$ 166,261.38	\$ 58,215.08	\$ 344,495.64
				\$ 2,952,918.01