



System Report

July - September 2019

Mississippi Trauma Care System

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

Prepared for:

Mississippi State Board of Health

October 21, 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

- Presented Stop the Bleed Course at the Partners in Preparedness Summit
- Registry Sub-Committee Statewide Meeting
 - Discussion of web-registry implementation
 - Task group to review and update the registry data dictionary
 - Discussion of the 2020 NTDB updates
- Burn Performance Improvement Meeting
 - Discussion of pediatric burn resources and ABA requirements
- Burn Sub-Committee Statewide Meeting
 - Discussion of proposed burn destination guidelines
- Trauma Functionality/Rules & Regulations Sub-Committee Meeting
 - Discussion regarding EMS wait times in hospitals – EMS reviewing data
 - Trauma Funding Task Group (MTAC Task Group)
- 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 designation survey – Burn Center
- One (1) on-site designation survey – Level II Center
- Three (3) education visits with Level III Centers
- One (1) on-site education visit with Level I Center
- One (1) on-site Focused Staff Review of Corrective Action Plan for Level III Center

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):

- BACS Update
- Update to committee regarding trauma registry implementation
- Update from Mr. Craig regarding legal opinion on the issue of EMS wall times
- Aggregate system data provided for FY2018
- Case presentation by CoastalTrauma Care Region
- TQIP Overview – Ms. Amber Kyle

Clinical Effectiveness Committee (CEC)/ Trauma Medical Directors:

- Discussion regarding TQIP and centers currently enrolled / engaged
- Discussion regarding education symposium to include surgeons, ED physicians, administrators, nursing and EMS
- Discussion of use of telemedicine with neuro trauma patients

Trauma Performance Improvement (PI) Program:

- Discussion of transfer times by region
- Review of PI indicators in state PI plan
- Discussion of TQIP collaborative
- Discussion of telemedicine use with trauma patients

Trauma Data: (April 2019, May 2019, June 2019)

MS Trauma Registry

ISS Counts

Generated 10/17/2019

Arrival Dates 04/01/2019 - 06/30/2019

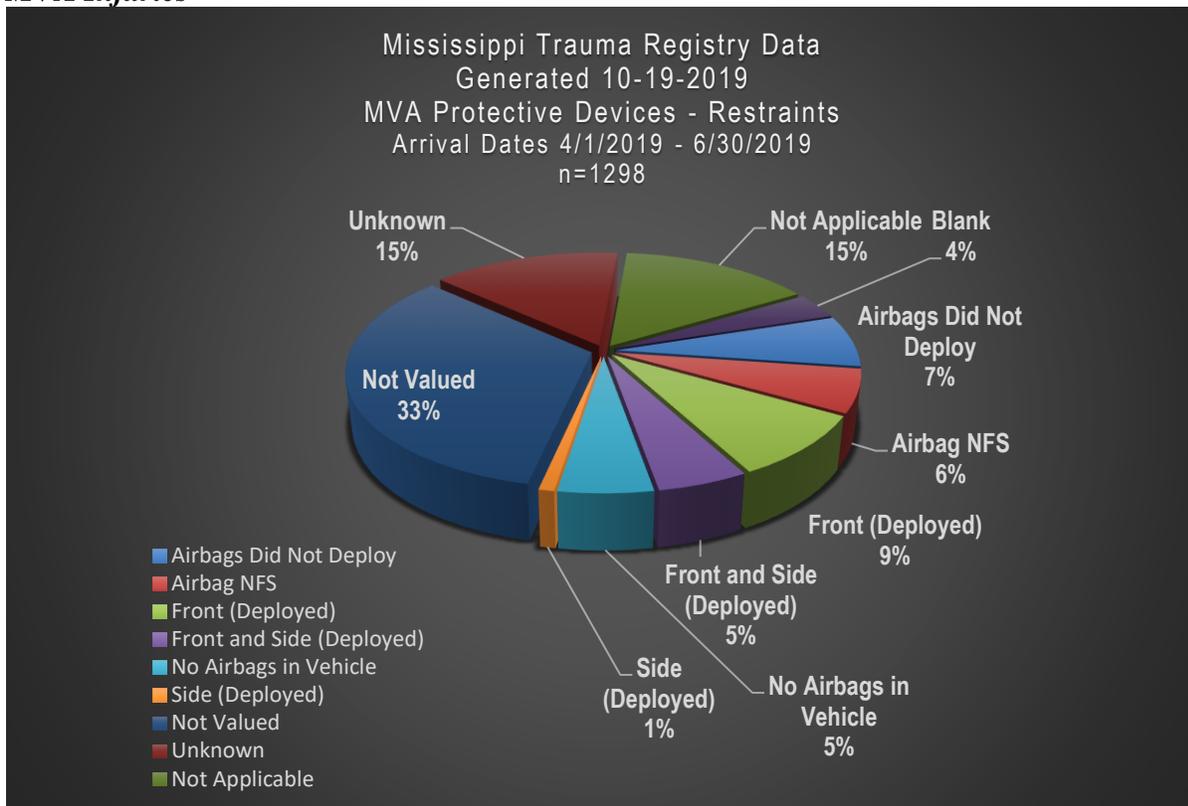
Query: LEVEL_I_III_HOSPS

Population: PIPS_RECORD_INCLUSIO Records Included In Reports

Gather: BY_HOSPITAL (By facility)

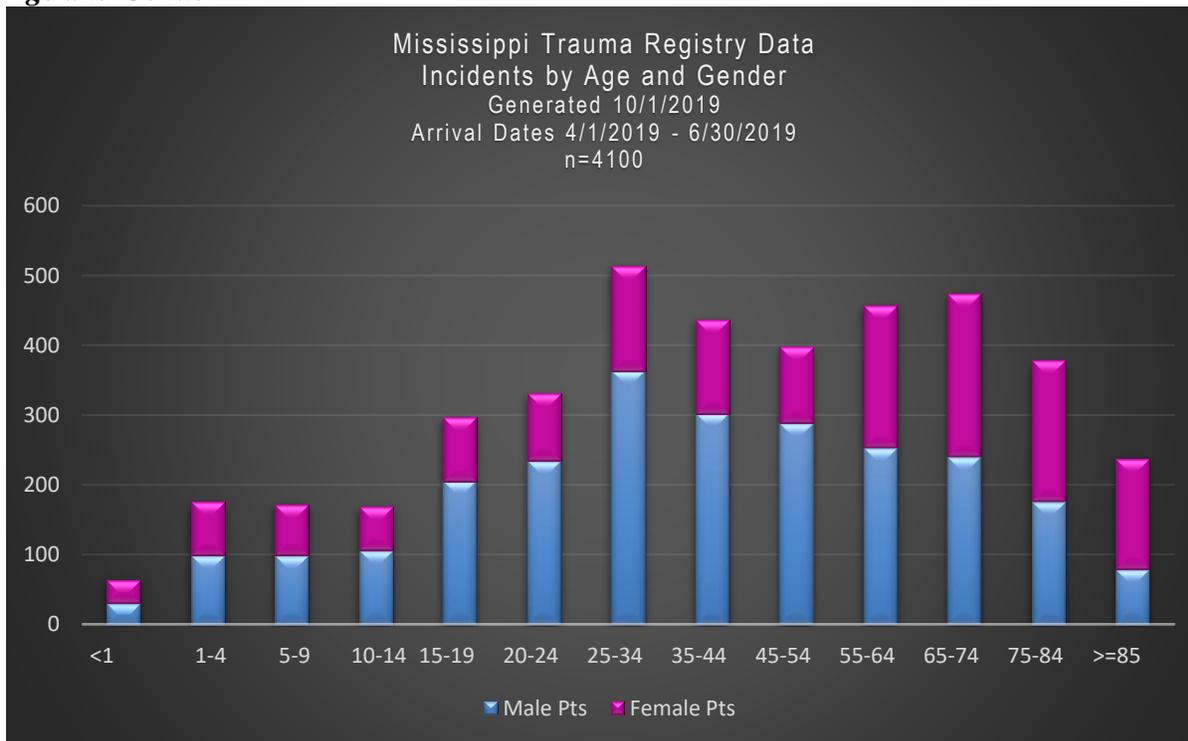
Facility	ISS 1-9	ISS 10-15	ISS 16-24	ISS > 24	ISS NV	Total Patients
Baptist Memorial Hospital - Desoto	295	14	5	3	13	330
Delta Regional Medical Center	26	4	2	0	0	32
Forrest General Hospital	447	55	39	27	0	568
LeBonheur Children's Medical Center	128	20	15	6	1	170
Magnolia Region Health Center	110	23	7	3	0	143
Memorial Hospital at Gulfport	184	21	6	9	0	220
Merit Health River Oaks	31	5	1	0	0	37
Merit Health Biloxi	82	11	8	1	0	102
Merit Health Central	8	0	0	0	0	8
Merit Health Wesley	37	2	1	0	0	40
North MS Medical Center-Tupelo	311	50	33	19	0	413
Ocean Springs Hospital	86	11	4	0	0	101
Oktibbeha County Hospital	47	8	0	0	0	55
Regional Medical Center - North	72	28	9	3	0	112
Regional One Health	85	19	12	5	0	121
Rush Foundation Hospital	67	13	8	6	0	94
Singing River Hospital	86	7	4	0	0	97
South Central Regional Medical Center	101	28	4	2	0	135
Southwest Mississippi Regional Medical C	81	13	6	4	0	104
Univ of South Alabama Medical Center	80	21	24	12	0	137
University Medical Center	66	6	9	20	0	101
Total	2430	359	197	120	14	3120

MVA Injuries

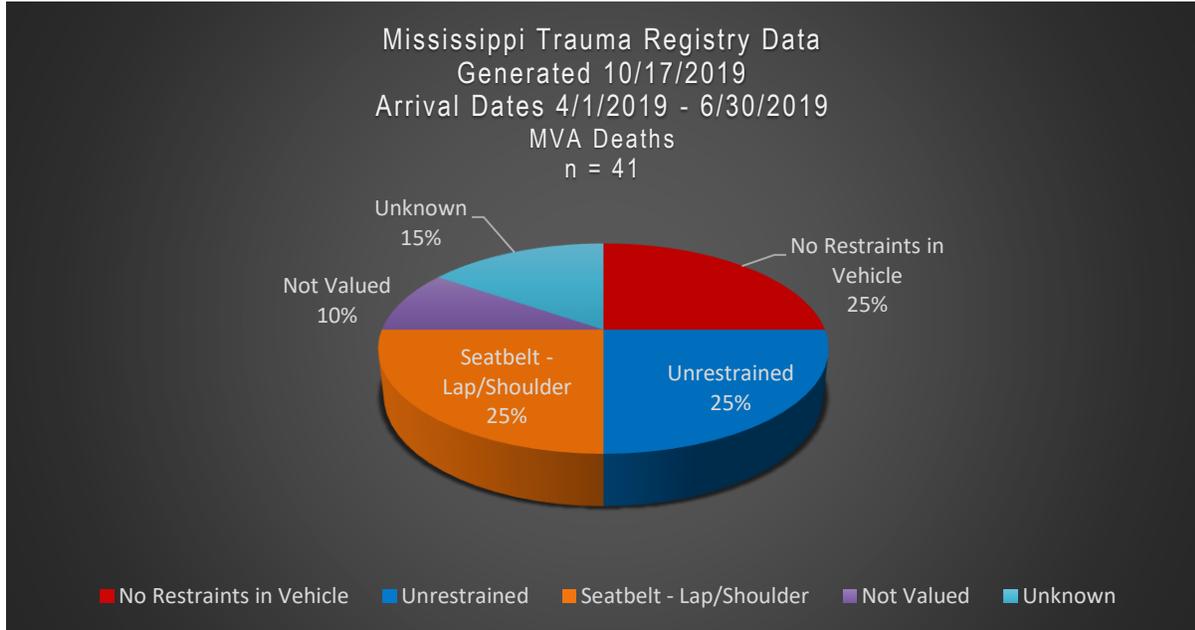


Legislative Bill signed on May 9, 2017 requiring all passengers in vehicle to wear seatbelts.

Age and Gender

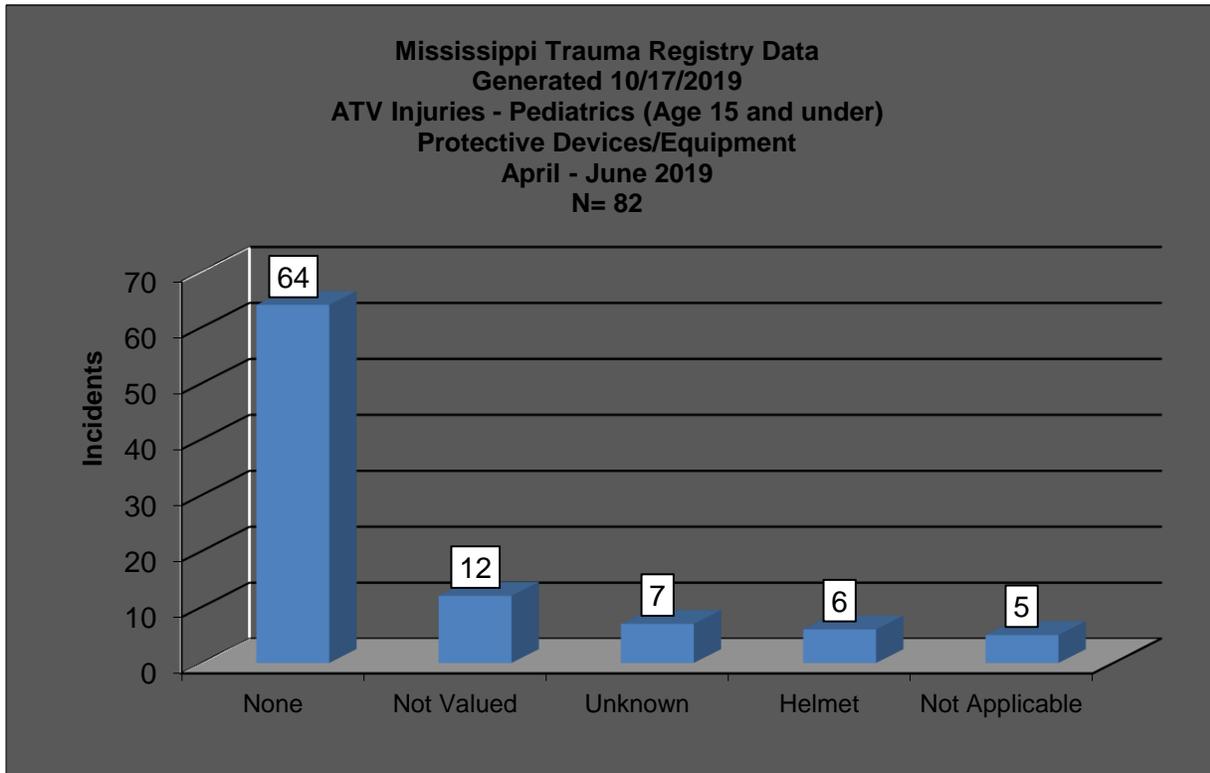


MVA Deaths

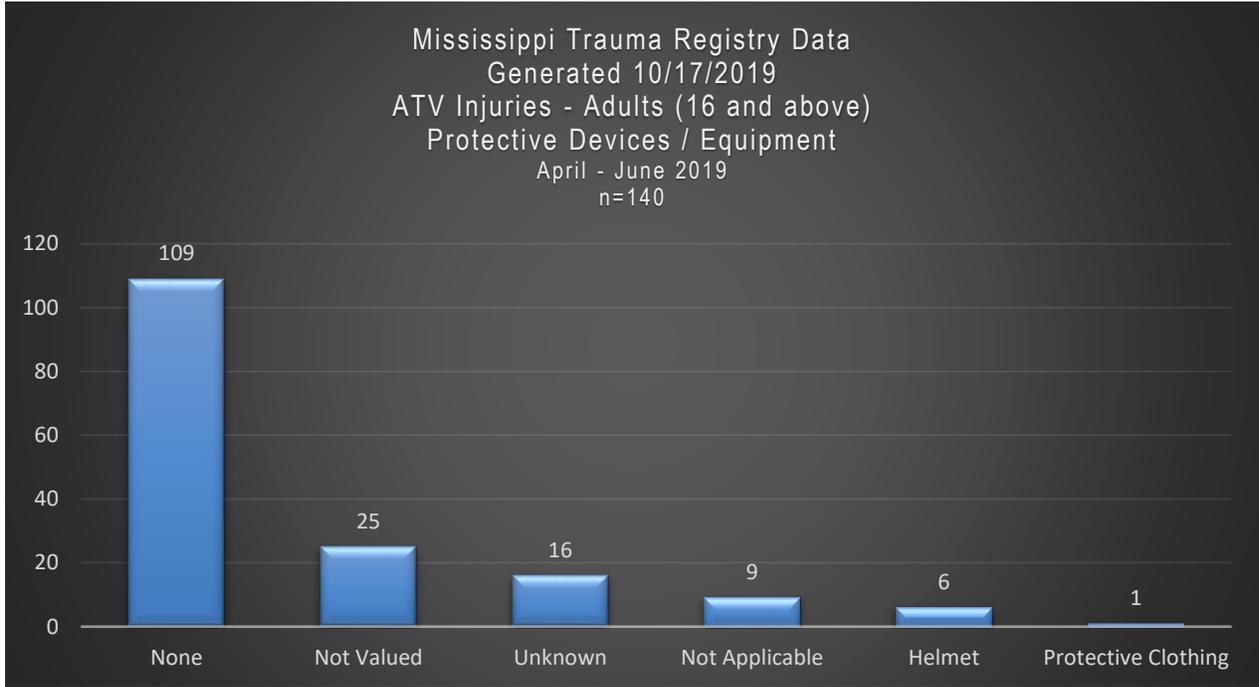


ATV Injuries (Protective Devices)

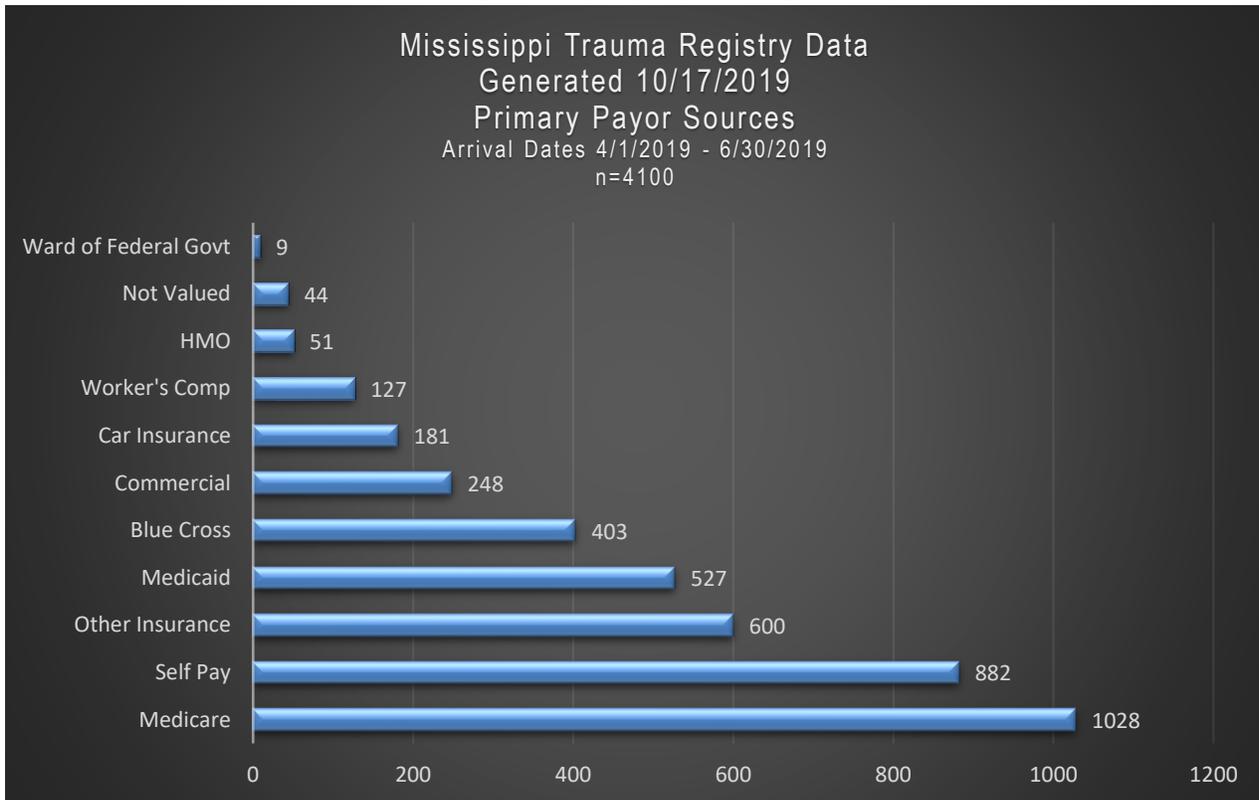
Pediatric



**ATV Injuries (Protective Devices)
Adult**



Financial Data:



Trauma Care Trust Fund:

	July	August	September	Total
Auto Privilege & Tag Fees	\$1,046,438.28	\$986,770.24	\$1,064,917.06	\$3,098,125.58
Interest Income	\$-	\$36,241.07	\$30,393.79	\$66,634.86
License, Fees and Permits	\$109,673.30	\$102,830.10	\$98,259.84	\$310,763.24
				\$3,475,523.68