



System Report

April 2020 – June 2020

Mississippi Trauma Care System

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

Prepared for:

Mississippi State Board of Health

September 14, 2020

Introduction

According to the Centers for Disease Control and Prevention, unintentional traumatic injury is the leading cause of death in the United States for persons between the ages of 1 and 44 (WISQARS, 2018). Mississippi is no exception to this statistic. Moreover, in 2018 there were 33,654 motor vehicle crash fatalities in the United States. 597 of these fatalities occurred as a result of injuries sustained on Mississippi roads (FARS, 2020). Motor vehicle crashes are the leading cause of death among the teenage population in the United States (CDC, Teen Driver, 2019). Mississippi ranks 5th in the nation in terms of the number of teens killed in motor vehicle crashes ("Mississippi Fatalities and Injuries for Youth and Adult Highway Crashes," 2017). These statistics are widely circulated and well known, but they reflect the extent to which trauma is a public health concern not only in the United States, generally, but in Mississippi, specifically.

To improve outcomes for trauma patients, the Mississippi Trauma Care System established the following primary goal: to deliver the *right* patient to the *right* hospital the *first* time. Research shows this approach to trauma care saves lives.

Mississippi's Trauma System dates to 1991, when the Mississippi Legislature charged the Mississippi State Department of Health (MSDH) with responsibility for oversight of trauma system development. The Legislature passed House Bill 966 in 1998, officially establishing Mississippi's Trauma System. The Trauma System of Care Plan and Trauma System Rules and Regulations provide the operational authority and framework for the Trauma System.

MSDH is the lead agency in Trauma System development and execution and partners with system stakeholders throughout the state. Historically, MSDH opted to contract with trauma regions for administering regional trauma system activities; however, following the advice of the Mississippi Trauma Advisory Committee (MTAC), MSDH reviewed the efficacy of the regional system and found opportunities for reducing administrative and educational costs and improving on the scope and quality of trauma-related educational offerings. In an effort to save on costs and improve on quality MSDH contracted with the Mississippi Trauma Care System Foundation, Inc., a foundation of the Mississippi Hospital Association, for services formerly provided by trauma care regions, beginning on April 16, 2020.

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

- Mississippi Trauma Advisory Committee meeting via ZOOM
- Bureau of Acute Care Systems weekly collaboration meetings with the Mississippi Trauma Care Foundation
- Status calls via ZOOM and collaboration with Trauma Registry vendor (Digital Innovations/ESO)
 - To implement updates to the Trauma Registry
- Attended webinar – Distracted Driving on American Roadways: NHTSA’s Behavioral Safety Approach

Trauma Center Survey/ Education Visits:

- All survey and in-person education visits canceled due to COVID

Current List of Designated Trauma Centers

- 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
 - 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
- Sixty-Two (62) Level IV Trauma Centers
- Two (2) Burn Centers:
 - Firefighters Burn Center at RegionalOne Health
 - J.M. Still at Merit Health Central

Mississippi Trauma Advisory Committee (MTAC):

- BACS Update
- Update to committee regarding Trauma Registry implementation
- TQIP Overview – Ms. Amber Kyle
- Discussion of Advocacy group

Clinical Effectiveness Committee (CEC)/ Trauma Medical Directors:

- No meeting during this quarter
 - April – June 2020

Trauma Performance Improvement (PI) Program:

- No meeting due to COVID 19

Trauma Data: (January – March 2020)

Source: MS Trauma Registry

Report: ISS (Injury Severity Score) Counts

Generated 09/09/2020

Arrival Dates 01/01/2020 - 03/31/2020

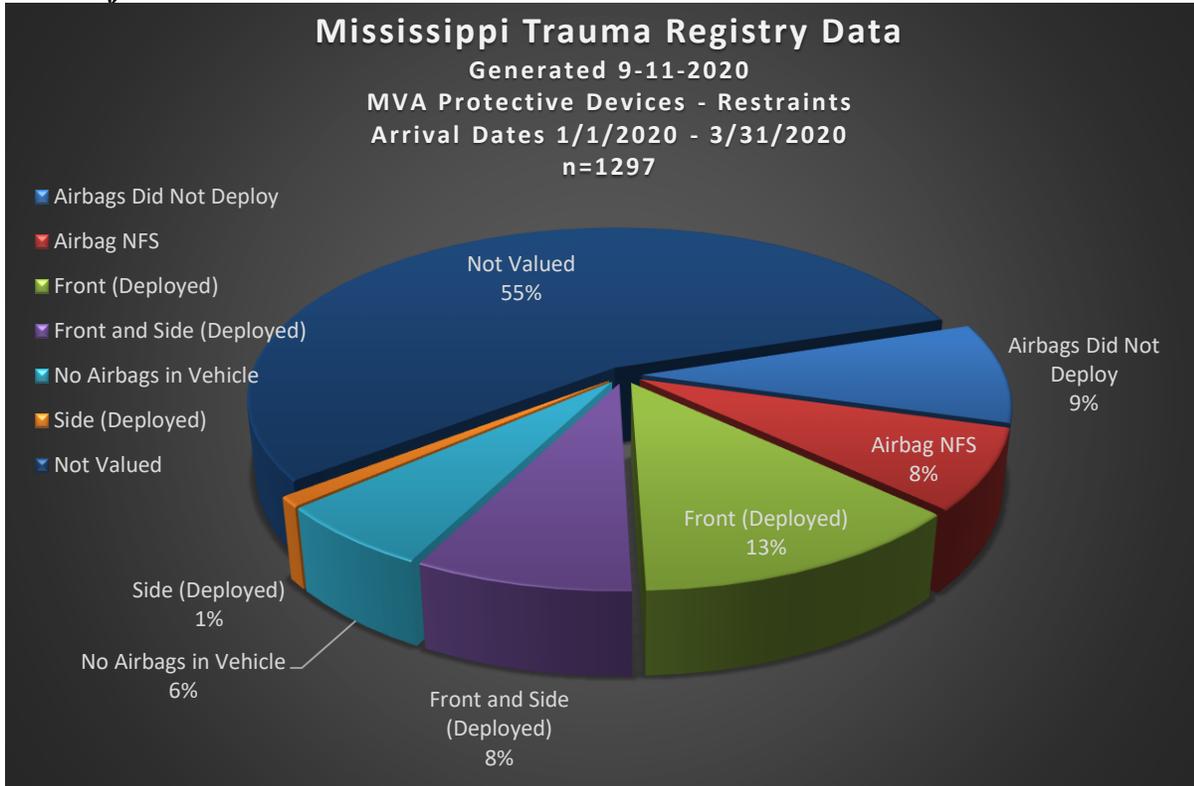
Query: LEVEL_I_III_HOSPS

Population: PIPS_RECORD_INCLUSIO Records Included In Reports

Gather: BY_HOSPITAL (By facility)

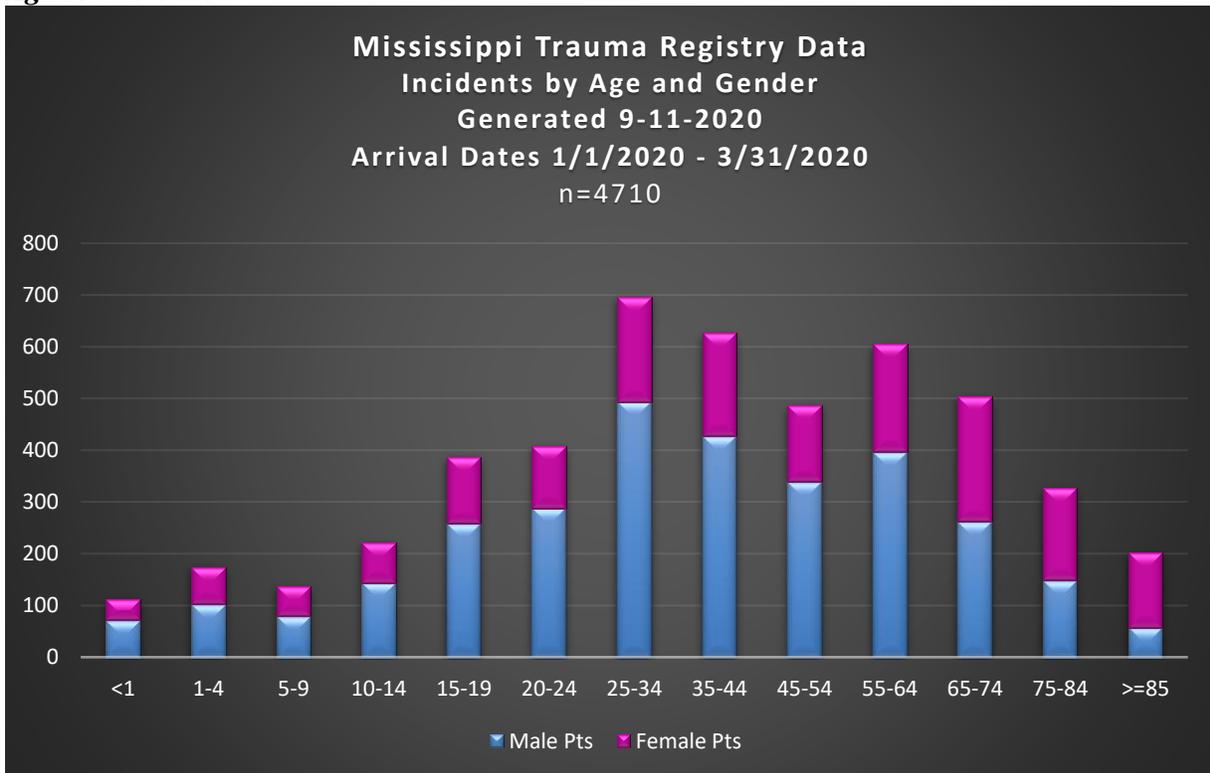
Facility	ISS 1-9	ISS 10-15	ISS 16-24	ISS 25-74	ISS 75	ISS GT 24	ISS NV	Total Pts
Merit Health Wesley	39	6	0	1	0	1	0	46
Memorial Hospital at Gulfport	112	21	12	7	0	7	0	152
Rush Foundation Hospital	41	11	7	3	0	3	0	62
North MS Medical Center-Tupelo	216	53	19	10	0	10	0	298
Forrest General Hospital	353	53	34	12	0	12	0	452
South Central Regional Medical Center	77	23	11	1	0	1	0	112
Delta Regional Medical Center	55	8	2	0	0	0	0	65
University Medical Center	799	198	121	68	1	69	2	1189
Baptist Memorial Hospital North Miss.	135	17	2	2	0	2	0	156
Regional Medical Center - North	97	25	8	2	1	3	0	133
Merit Health Central	24	7	0	0	0	0	0	31
Magnolia Region Health Center	79	26	5	4	0	4	0	114
Southwest Mississippi Regional Medical C	56	10	3	6	0	6	0	75
Baptist Memorial Hospital - Golden Tri	164	7	1	0	0	0	6	178
Oktibbeha County Hospital	52	5	1	0	0	0	0	58
Garden Park Medical Center	64	13	5	4	0	4	0	86
Merit Health River Oaks	16	4	0	0	0	0	0	20
Merit Health Biloxi	49	11	3	1	1	2	0	65
Baptist Memorial Hospital - Desoto	201	18	3	2	1	3	1	226
Regional One Health	84	28	17	11	0	11	0	140
LeBonheur Children's Medical Center	72	9	6	1	0	1	1	89
Univ of South Alabama Medical Center	71	20	19	17	1	18	0	128
Total	2856	573	279	152	5	157	10	3875

MVA Injuries

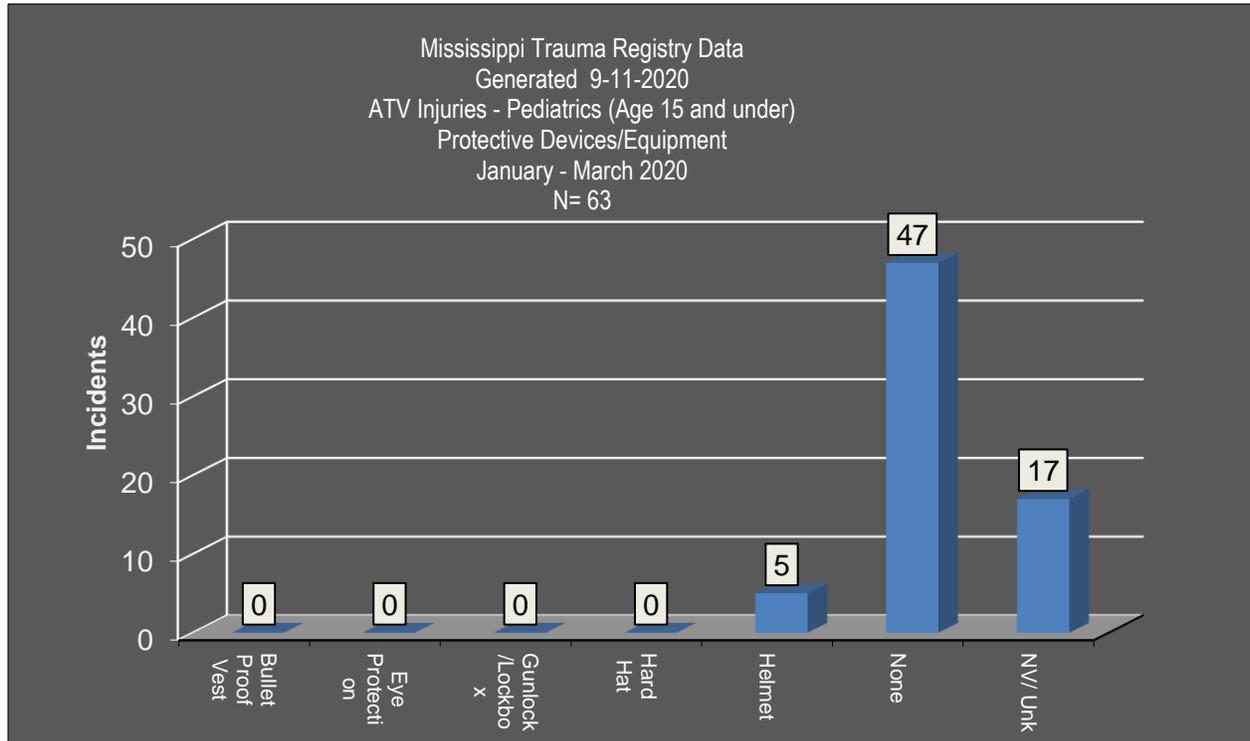


Legislative Bill signed on May 9, 2017 requiring all passengers in vehicle to wear seatbelts.

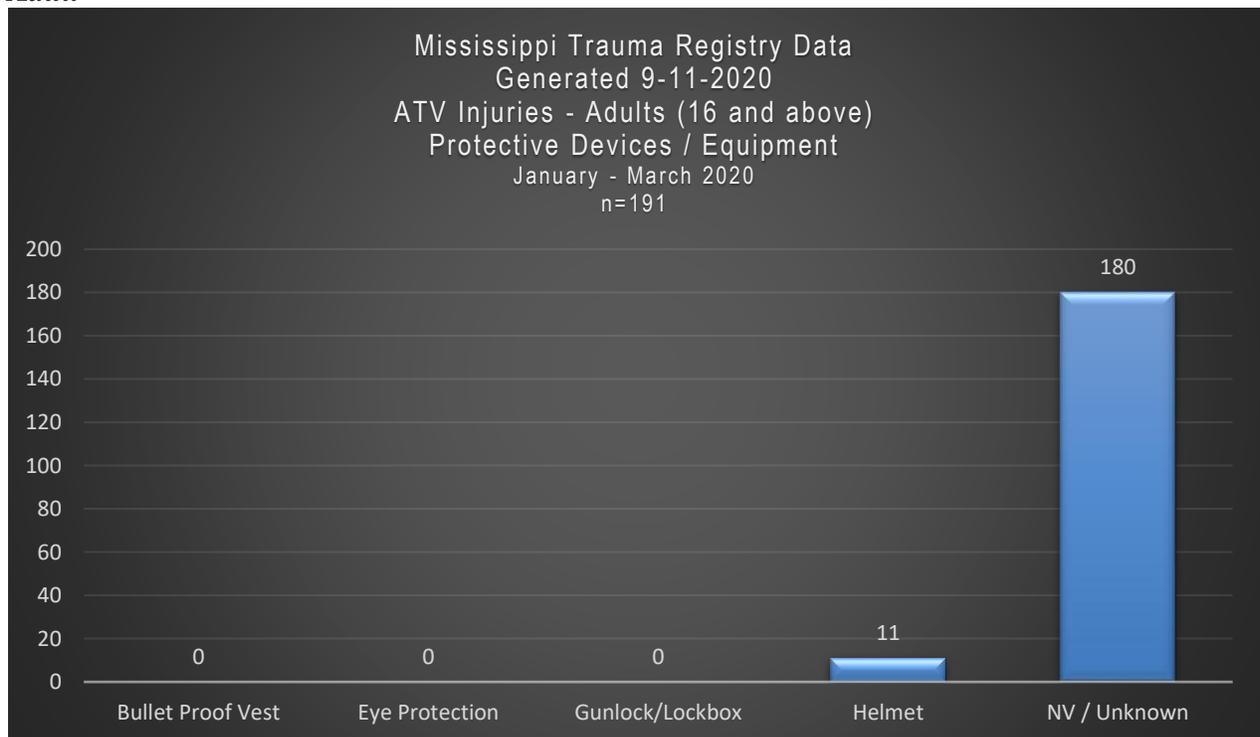
Age and Gender



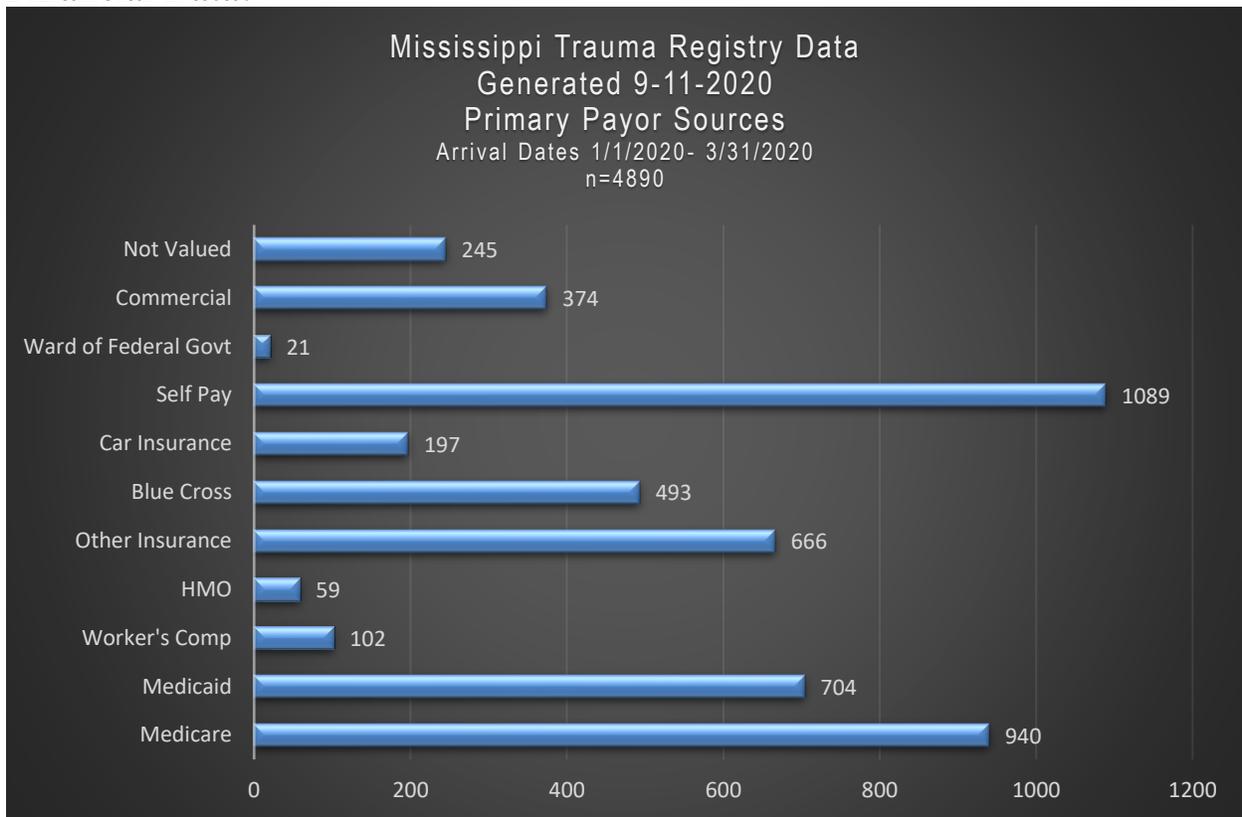
ATV Injuries (Protective Devices)
Pediatric



ATV Injuries (Protective Devices)
Adult



Financial Data:



Trauma Care Trust Fund Collections:

	April 2020	May 2020	June 2020	Total(s)
Auto Privilege & Tag Fees	\$ 78,165.73	\$ 104,738.15	\$ 179,051.55	\$ 361,655.43
Interest Income	\$ 20,918.30	\$ 15,035.37	\$ 16,319.45	\$ 52,273.12
License, Fees and Permits	\$ 952,076.92	\$ 1,080,165.96	\$ 890,076.82	\$ 2,922,319.70
QUARTERLY TOTAL				\$ 3,336,548.25

References

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