



System Report

January 2021 – March 2021

Mississippi Trauma Care System

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

Prepared for:

Mississippi State Board of Health

June 8, 2021

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 supports 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. Since April 16, 2020, MSDH has contracted with the Mississippi Trauma Care System Foundation, Inc., a foundation of the Mississippi Hospital Association, for specific administration and education services in support of the Trauma System.

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 meetings via ZOOM
- Weekly collaboration meetings with the Mississippi Trauma Care System Foundation
- System development calls with Trauma Registry vendor (Digital Innovations/ESO)
 - Annual updates
 - EMS Data Bridge
 - Report writing

Trauma Center Survey/Education Visits:

- State Health Officer Memo (January 15, 2021)
 - Designation of all currently designated trauma centers extended for one year due to COVID-19
- Designation surveys and in-person education visits tentstivly scheduled to resume Calendar Year 2022
- Mississippi Trauma Care System Foundation to offer education/designation preparation services as part of their annual subgrant when designation preparation resumes

Current List of Designated Trauma Centers – 87 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):

- **MTAC, January 15, 2021 – Regular Quarterly Meeting**
 - Bureau of Acute Care Systems Report – Mr. David Hall
 - State Medical Director Report(s) – Dr. W. Duncan Donald
 - Clinical Effectiveness Committee
 - Performance Improvement Committee
 - Discussion on TQIP Initiative
 - Sub-Committee Reports
 - Mississippi Trauma Care System Foundation Report – Mr. John JGardner
 - TNCC Courses and Reimbursement
 - Aggregate System Data Shared with Committee
- **Trauma Registry Subcommittee, January 19, 2021 – Regular Quarterly Meeting**
 - Bureau of Acute Care Systems Report – Mr. David Hall
 - Agenda Items:
 - Inclusion Criteria/Quick Reference Card
 - Committee Membership
 - TQIP Registry Support Needs
 - Explicit Negatives
 - 2021 NTDB Data Dictionary
 - Same Height Falls, Geriatrics
 - Training on EMS Triage Criteria
 - EMS Transported Following State Protocol
 - Cap on Hospital Events
 - Duplicate Encounters

Clinical Effectiveness Committee (CEC)/ Trauma Medical Directors:

- Met January 6, 2021 via Zoom
- Discussion on:
 - Trauma System Advocacy
 - Education Initiatives
 - TQIP Initiative
 - Imaging and Consultation
 - TNCC Requirement and Reimbursement

Trauma Performance Improvement (PI) Program:

- Review and approval of updated Performance Improvement and Patient Safety Manual

Trauma Data: (October – December 2020)

Source: MS Trauma Registry

Report: ISS (Injury Severity Score) Counts

Generated 06/07/2021

Arrival Dates 10/01/2020 – 12/31/2020

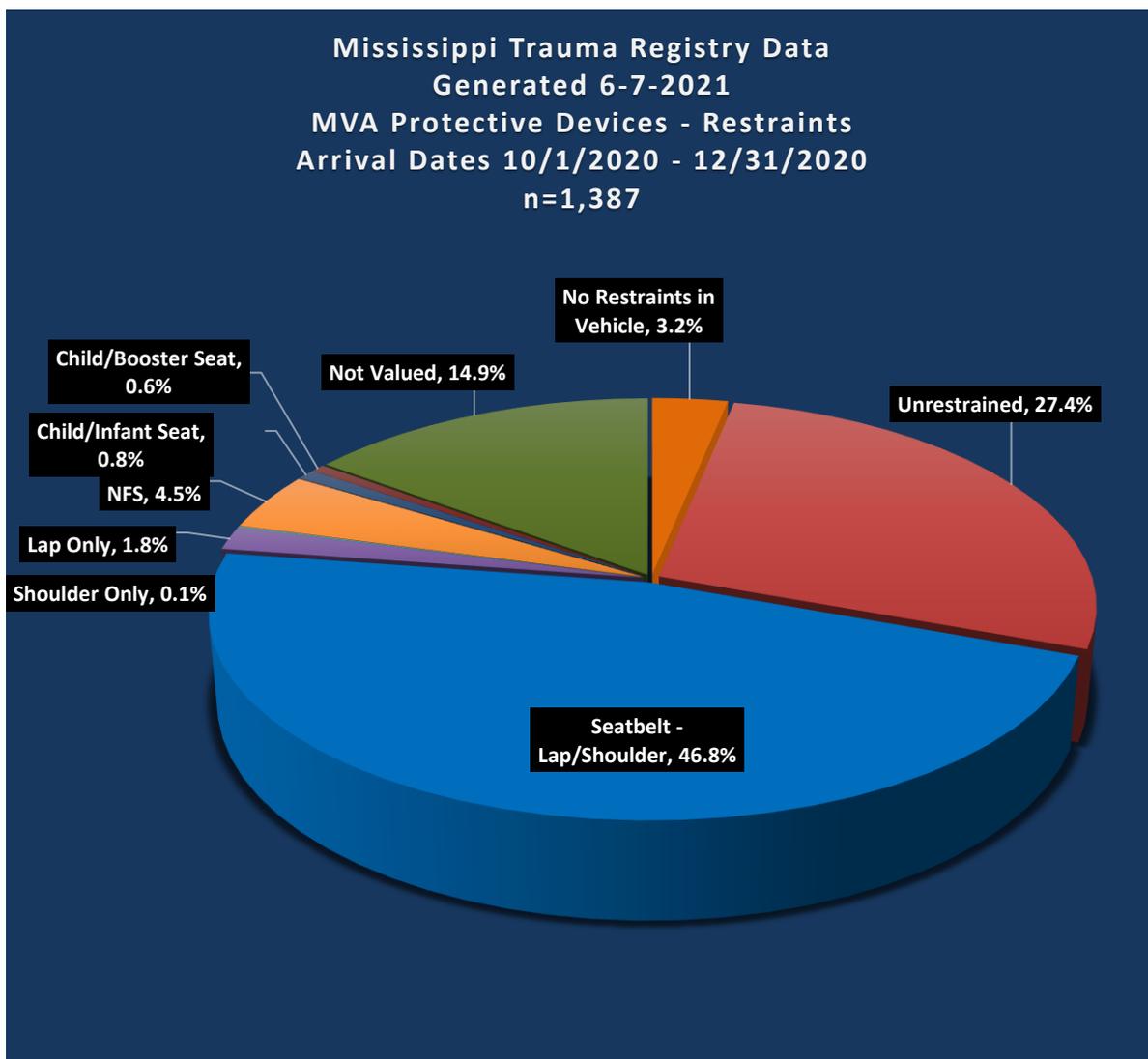
Query: LEVEL_I_III_HOSPS

Population: LEVEL_I_III_HOSPS Level I to III Hospitals

Population: PIPS_RECORD_INCLUSION Records Included In Reports

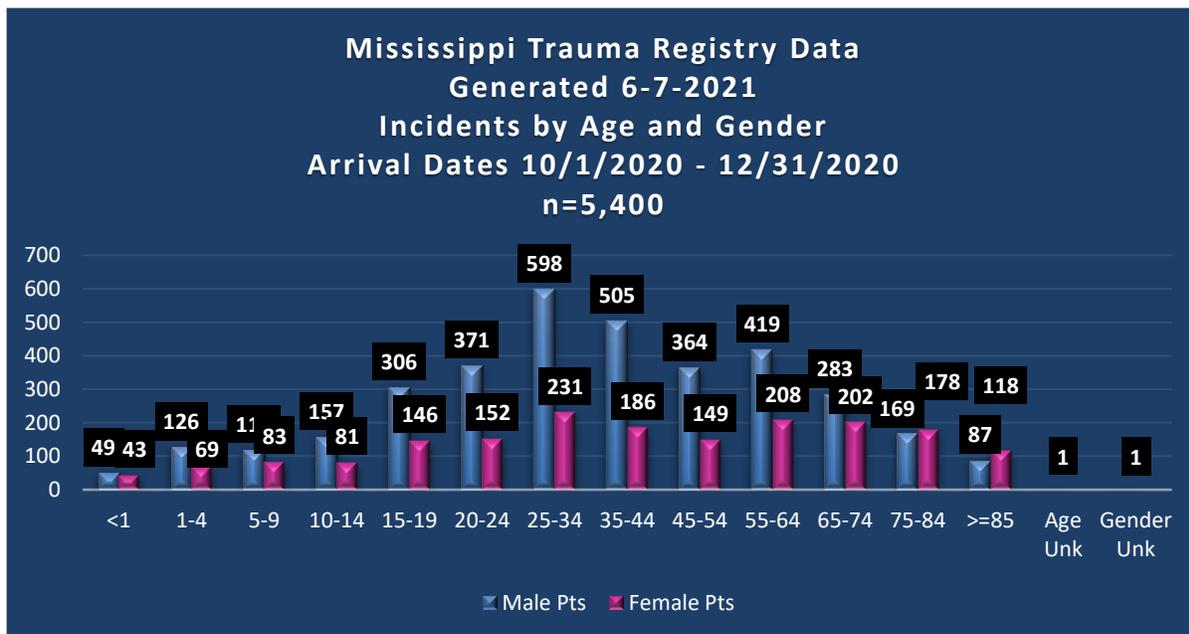
Hospital	ISS 1-9	ISS 10- 15	ISS 16- 24	> 24	Total by Hospital
Anderson Regional Medical Center	76	25	5	0	106
Baptist Memorial Hospital - Desoto	202	14	9	5	230
Baptist Memorial Hospital - Golden Tri	187	16	5	2	210
Baptist Memorial Hospital North Miss.	123	20	5	2	150
Delta Regional Medical Center	56	0	2	0	58
Forrest General Hospital	334	55	40	18	447
LeBonheur Children's Medical Center	82	19	7	3	111
Magnolia Region Health Center	53	8	3	1	65
Memorial Hospital at Gulfport	137	30	14	13	194
Merit Health River Oaks	32	3	2	1	38
Merit Health Central	34	4	1	1	40
Merit Health Wesley	41	7	0	1	49
North MS Medical Center-Tupelo	227	74	36	18	355
Ocean Springs Hospital	86	12	5	2	105
Oktibbeha County Hospital	28	13	3	2	46
Regional One Health	123	51	34	27	235
Rush Foundation Hospital	39	5	2	3	49
Singing River Gulfport	112	17	5	3	137
Singing River Hospital	100	15	4	1	120
South Central Regional Medical Center	97	21	7	2	127
Univ of South Alabama Medical Center	70	35	25	14	144
University Medical Center	947	262	145	75	1429
Total by ISS Range	3186	706	359	194	4445

Motor Vehicle Collisions

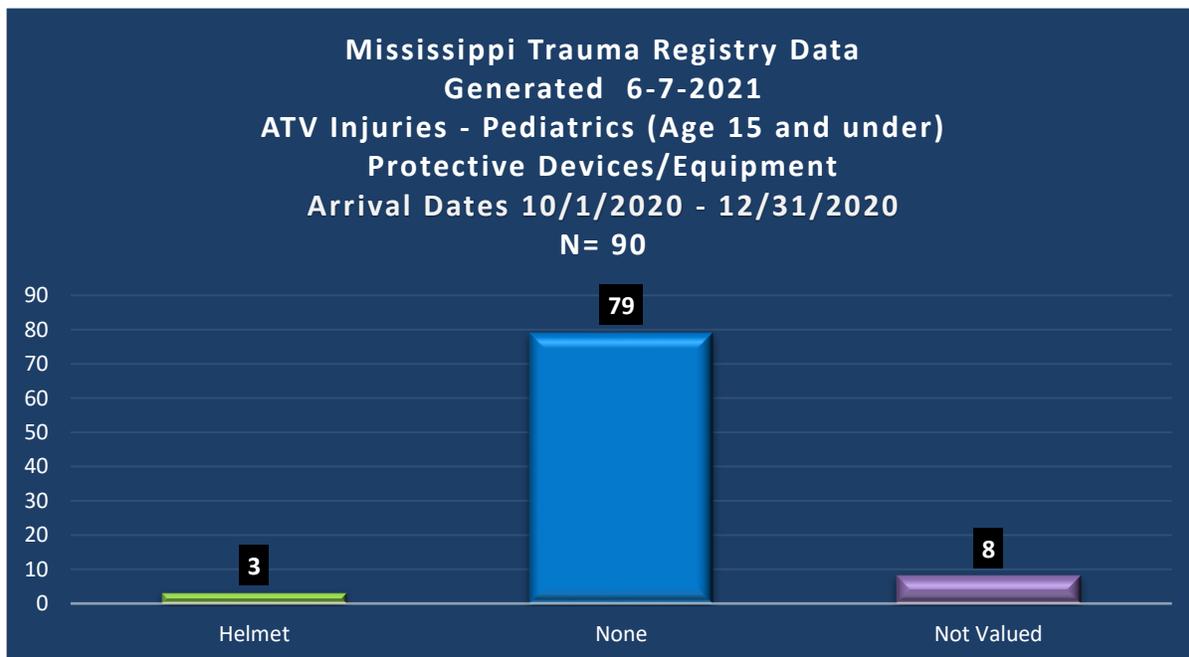


Legislative Bill signed on May 9, 2017 requiring all passengers in vehicle to wear seatbelts

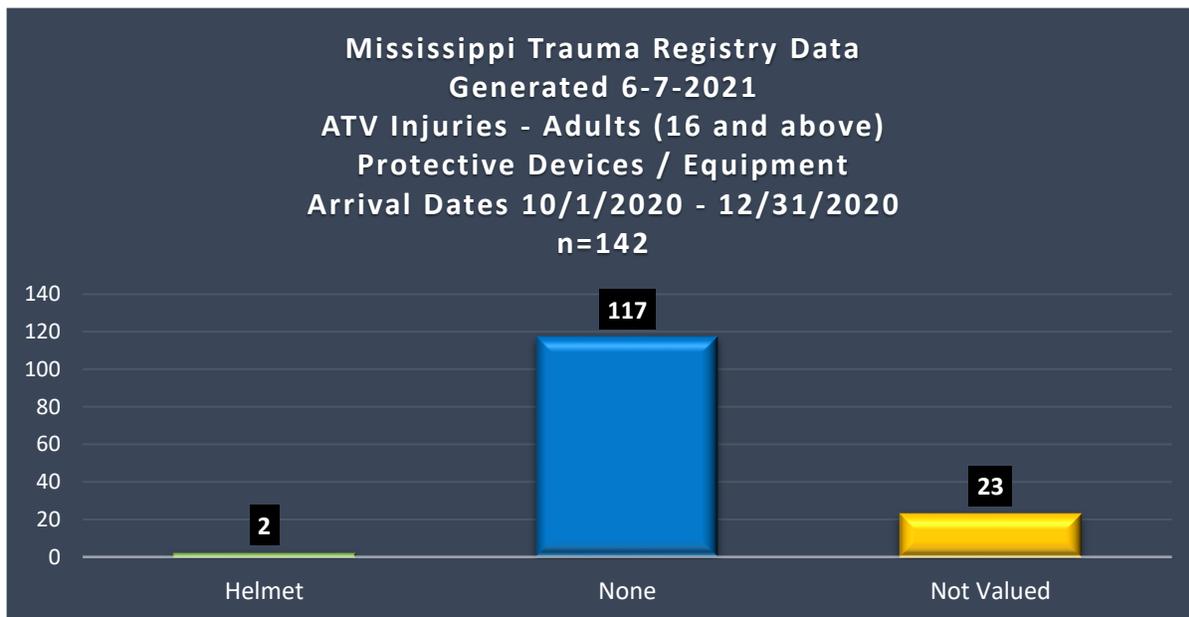
Incidents by Age and Gender



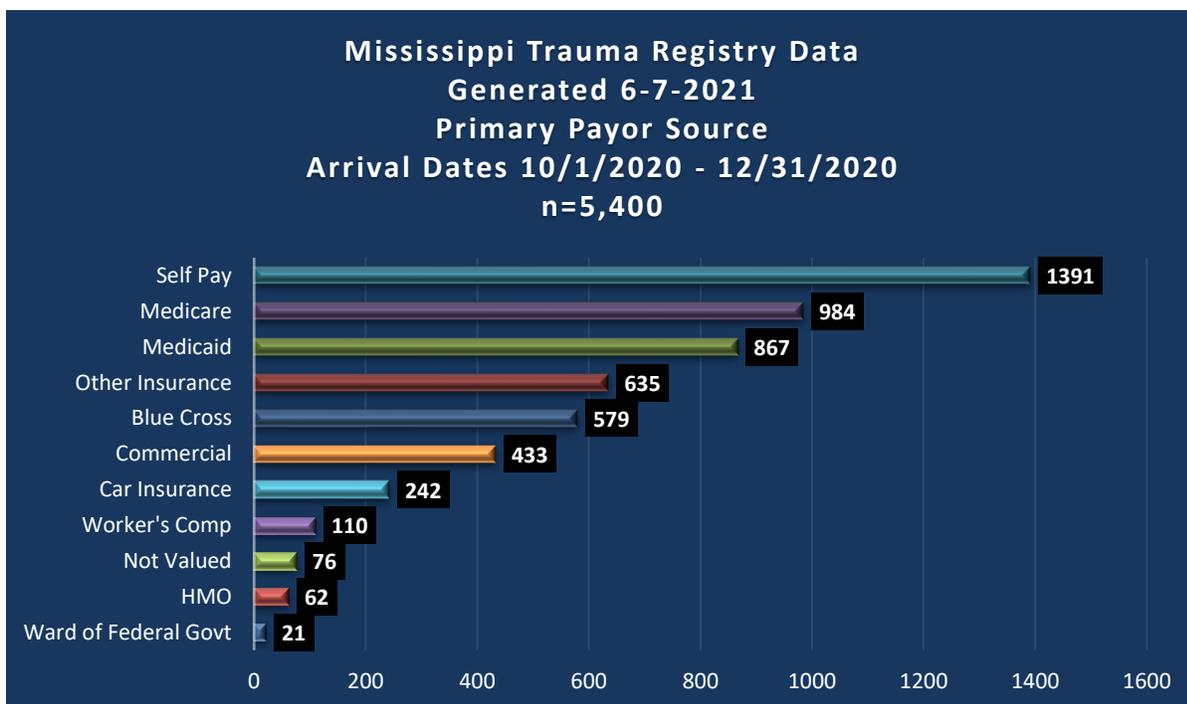
ATV Injuries (Protective Devices) – Pediatric



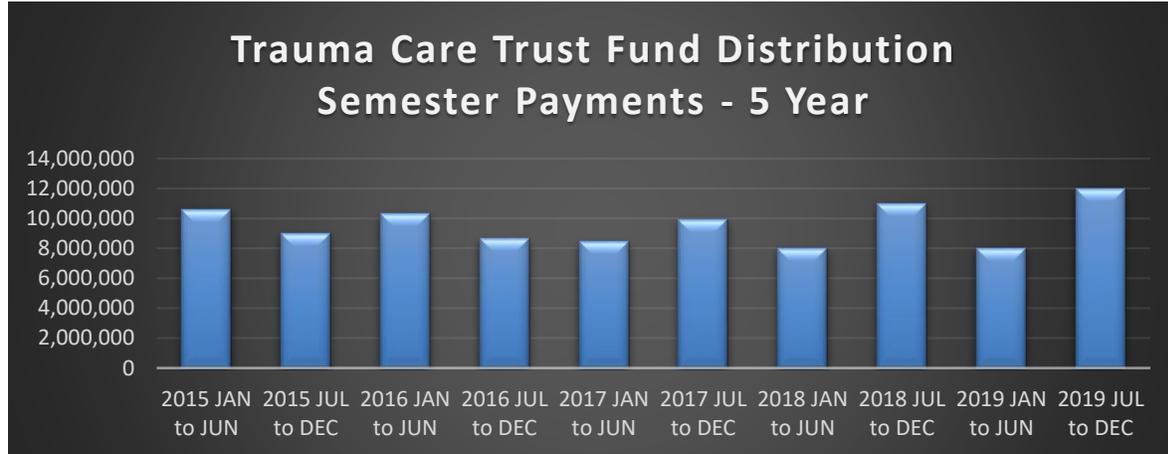
ATV Injuries (Protective Devices) – Adult



Financial Data



Trauma Care Trust Fund



Trauma Revenue Collections – Fiscal Year 2021, Quarter 3

Source	January 2021	February 2021	March 2021	
Auto Privildge & Tags Fee	\$873,304.67	\$852,240.81	\$929,064.37	\$2,654,609.86
Interest Income	\$9,025.54	\$14,300.17	\$11,524.22	\$34,849.93
License Fees & Permits	\$129,983.46	\$200,324.58	\$86,517.06	\$416,825.10
GRAND TOTAL				\$3,106,284.89

References

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