



System Report

April 2022 – June 2022

Mississippi Trauma Care System

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

Prepared for:

Mississippi State Board of Health

July 7, 2022

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. MSDH partners with stakeholders throughout the state in carrying out the mission of the Trauma System. 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.



System Report Period: April - June 2022

Overview: Trauma System Quarterly Activities

- Mississippi Trauma Advisory Committee (MTAC) meeting via ZOOM
 - Trauma Registry Subcommittee meeting via Zoom
- Statewide Trauma System Performance Improvement Committee meeting via Zoom
- Collaboration meetings with Mississippi Trauma Care System Foundation
- System development calls with Trauma Registry vendor (Digital Innovations/ESO)
 - Annual updates
 - EMS Data Bridge
 - Report writing
- Statewide education via ZOOM in collaboration with UMMC
 - Trauma Registrar Course
 - Trauma Program Manager Course

Trauma Center Survey/Education Visits:

- One Designation survey completed for Level I Center
- Four Education Visits completed for Level III Centers
- One Education Visit completed with reopened Level IV Center

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 Regional One Health
 - J.M. Still at Merit Health Central

Mississippi Trauma Advisory Committee (MTAC):

- **MTAC, April 15, 2022 – Regularly Scheduled Quarterly Meeting**
 - Bureau of Acute Care Systems Report
 - Trauma Care Trust Fund overview presented
 - Noted implementation of the of EMS enhanced reimbursement program this past year and benefit for EMS stakeholders
 - Noted how trauma system has contributed substantially to EMS over the years through the TCTF
 - Ms. Windham updated group regarding applications and scheduling of designation surveys to include a virtual process
 - Mr. McManus shared aggregate system performance report
 - State Medical Director Report(s) – Dr. W. Duncan Donald
 - Clinical Effectiveness Committee (CEC) & Statewide Trauma System Performance Improvement Committee (STSPIC)
 - CEC – met with discussion of core performance measures
 - Trauma System Performance Improvement committee - met with discussion of core performance measures
 - Discussion of transfer of patients to higher level of care and surgeon response times
 - Discussion on TQIP Initiative
 - Discussion on TeleHealth use in the Trauma System – Dr Tulip to set up task group to discuss
 - Mississippi Trauma Care System Foundation Report – John Gardner
 - Symposium planning and topics forming
 - Website development via MHA
- **Trauma Registry Subcommittee**
 - Virtual Meeting held April 19, 2022

Trauma Performance Improvement (PI) Program:

- Discussion of transfer to higher level of care
- Discussion of surgeon response times
- Review of Core Measure Indicators List
- Discussion of telehealth for acute care services
- Held District-level PI subcommittees

- North – northern state line to Hwy 82
- Central – between Hwy 82 and Hwy 84
- South – Hwy 84 to the coast

Trauma – Revenue Collections (April - June 2022)

Revenue Collected in FY 22	April	May	June	Total
Auto Privilege & Tags Fee	\$990,404.99	\$1,222,815.53	\$1,058,867.21	\$3,272,087.73
Interest Income	\$7,960.82	\$6,518.62	\$6,744.52	\$21,223.96
License Fees & Permits	\$1,565,992.81	\$122,119.53	\$132,829.63	\$1,820,941.97
GRAND TOTAL				\$5,114,253.66

Trauma Data Reporting Period: January – March 2022

ISS Counts – TCTF

Generated 7/19/2022

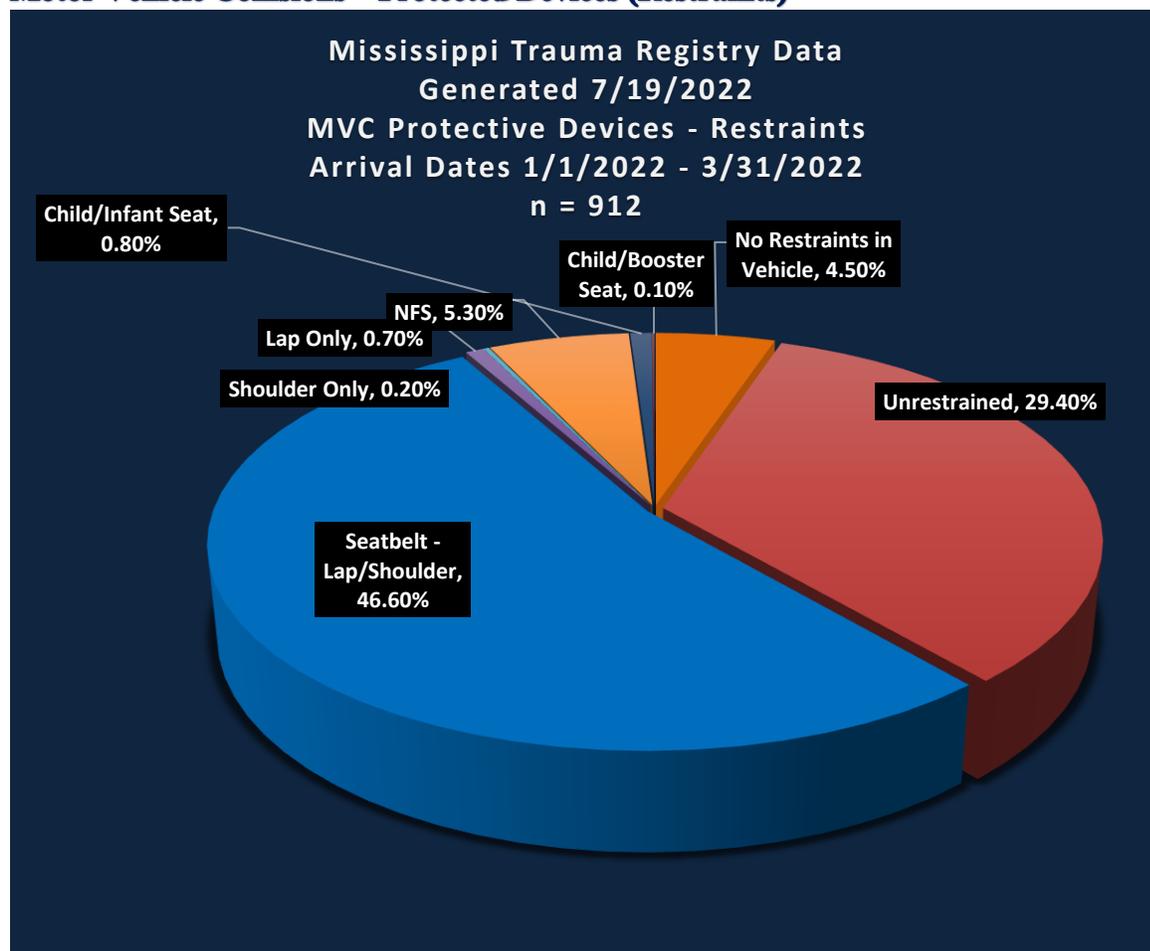
Discharge Dates 01/0/2022 – 03/31/2022

Query: Level I – III Hospitals

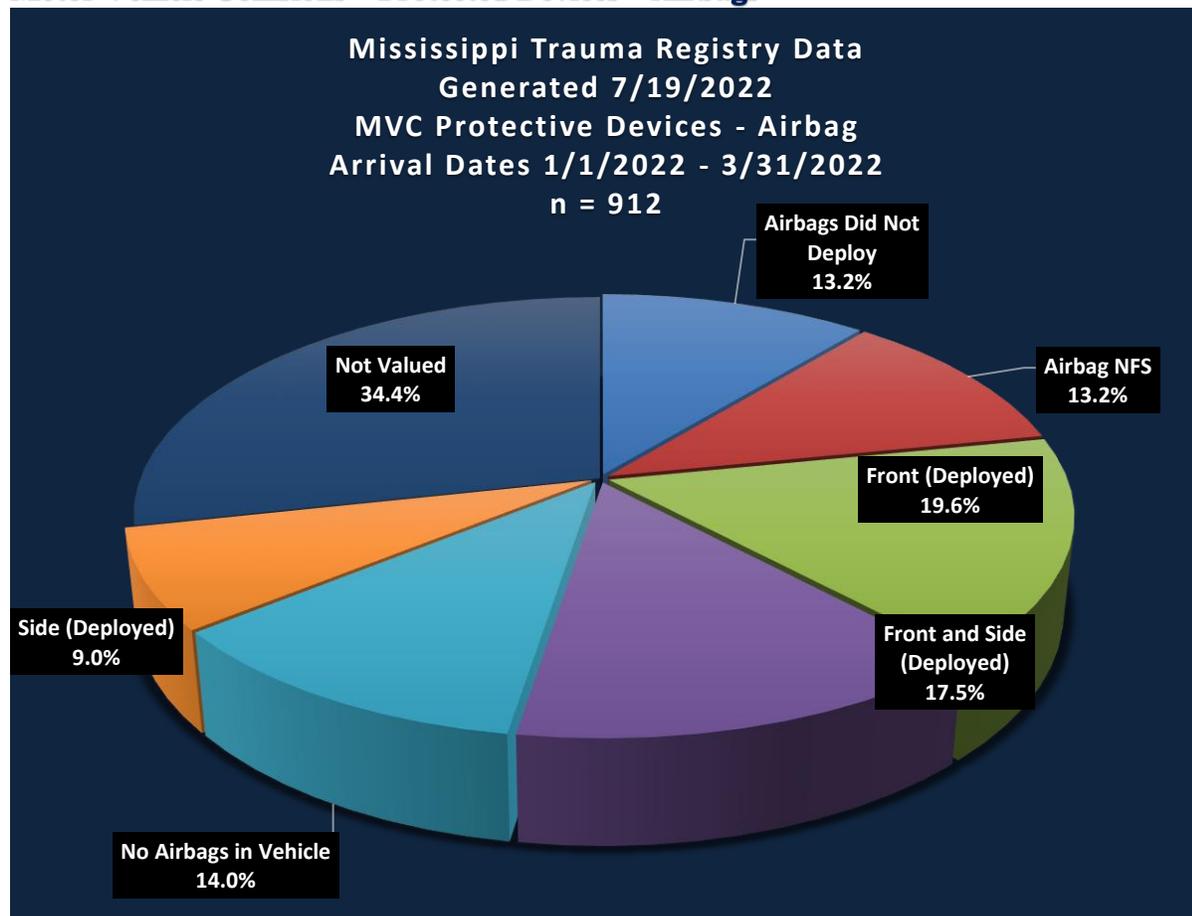
Gather: By Hospital (By Facility)

Hospital	Site ID	ISS 1-9	ISS 10-15	ISS 16-24	ISS > 24	ISS NV	Total Patients
Anderson Regional Medical Center	237	78	18	5	5	0	106
Baptist Memorial Hospital - Desoto	318	103	12	4	3	0	122
Baptist Memorial Hospital - Golden Tri	253	123	8	1	0	6	138
Baptist Memorial Hospital - North Miss.	228	68	8	1	2	0	79
Delta Regional Medical Center	189	73	11	0	6	0	90
Forrest General Hospital	141	216	39	26	14	0	295
Magnolia Region Health Center	248	52	12	4	5	0	73
Memorial Hospital at Gulfport	28	111	21	15	10	0	157
Merit Health Biloxi	299	34	2	1	3	0	40
Merit Health Central	240	58	6	2	2	0	68
Merit Health River Oaks	297	32	2	3	1	0	38
Merit Health Wesley	23	41	3	1	0	0	45
North MS Medical Center-Tupelo	63	196	63	32	28	0	319
OCH Regional Medical Center	269	36	3	0	0	0	39
Rush Foundation Hospital	59	59	10	5	6	0	80
Singing River Hospital - Gulfport	272	21	3	1	9	1	35
Singing River Hospital - Ocean Springs	390	3	1	0	0	0	4
Singing River Hospital - Pascagoula	39	2	0	0	1	0	3
South Central Regional Medical Center	153	77	24	8	1	1	111
University Medical Center	199	389	95	62	73	1	620

Motor Vehicle Collisions – Protected Devices (Restraints)

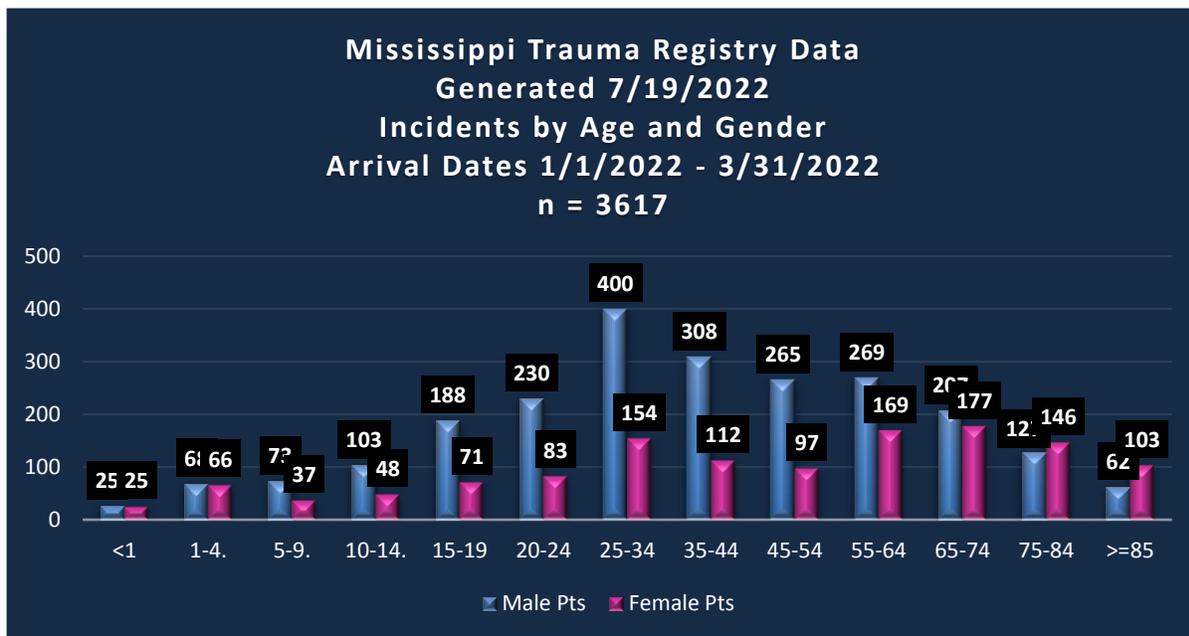


Motor Vehicle Collisions – Protected Devices – Airbags

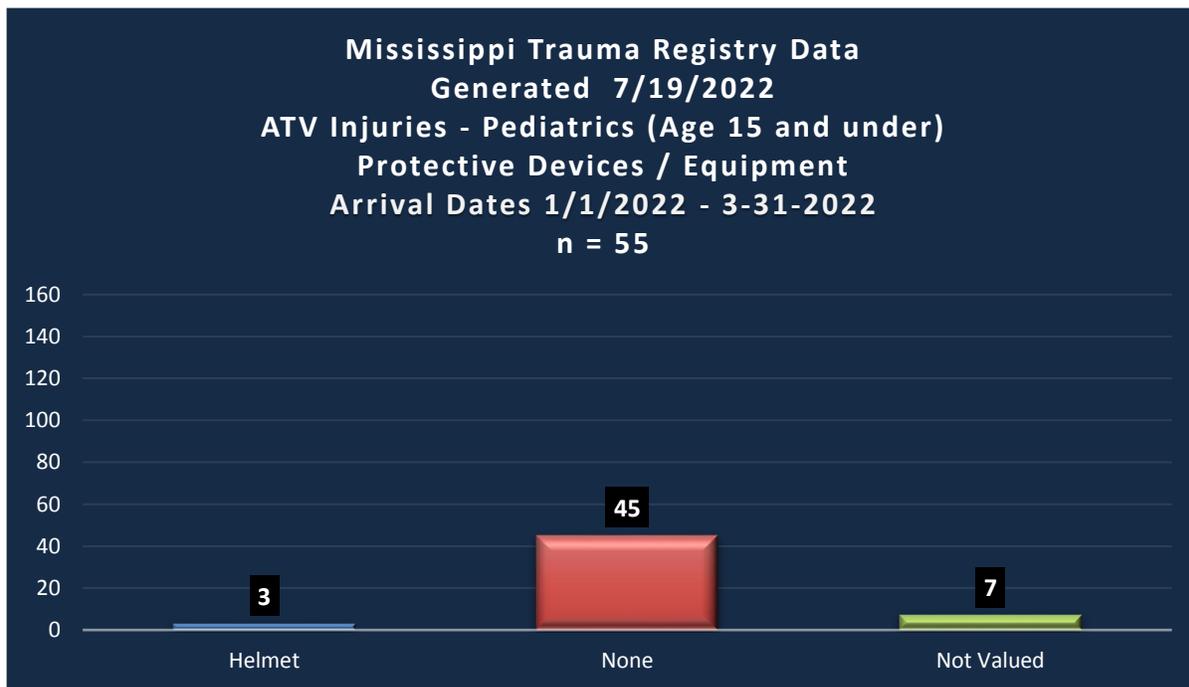


Legislative Bill signed on May 9, 2017 requiring all passengers in vehicle to wear seatbelts

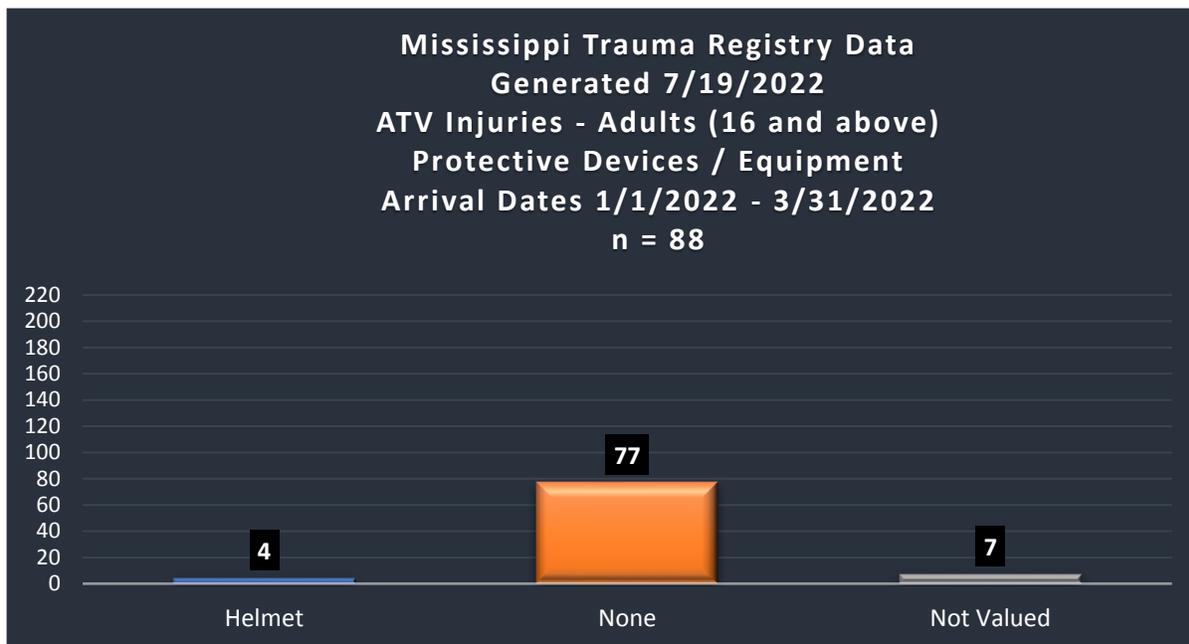
Incidents by Age and Gender



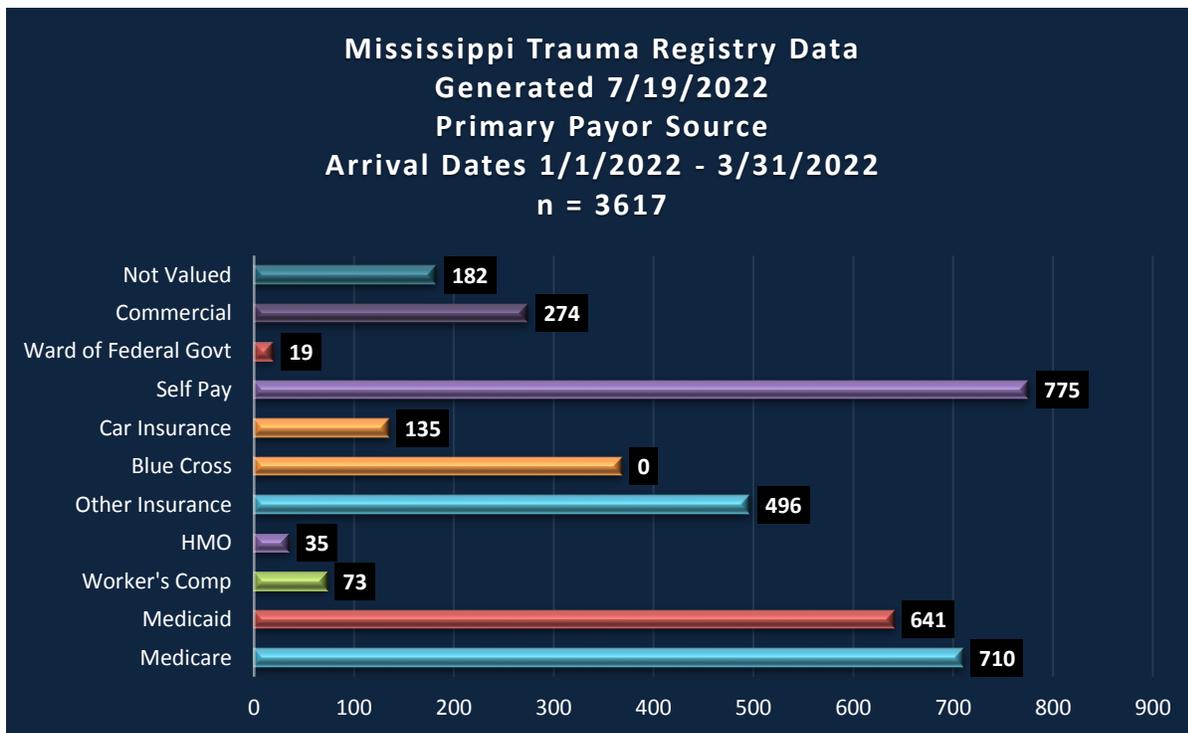
ATV Injuries (Protective Devices) – Pediatric



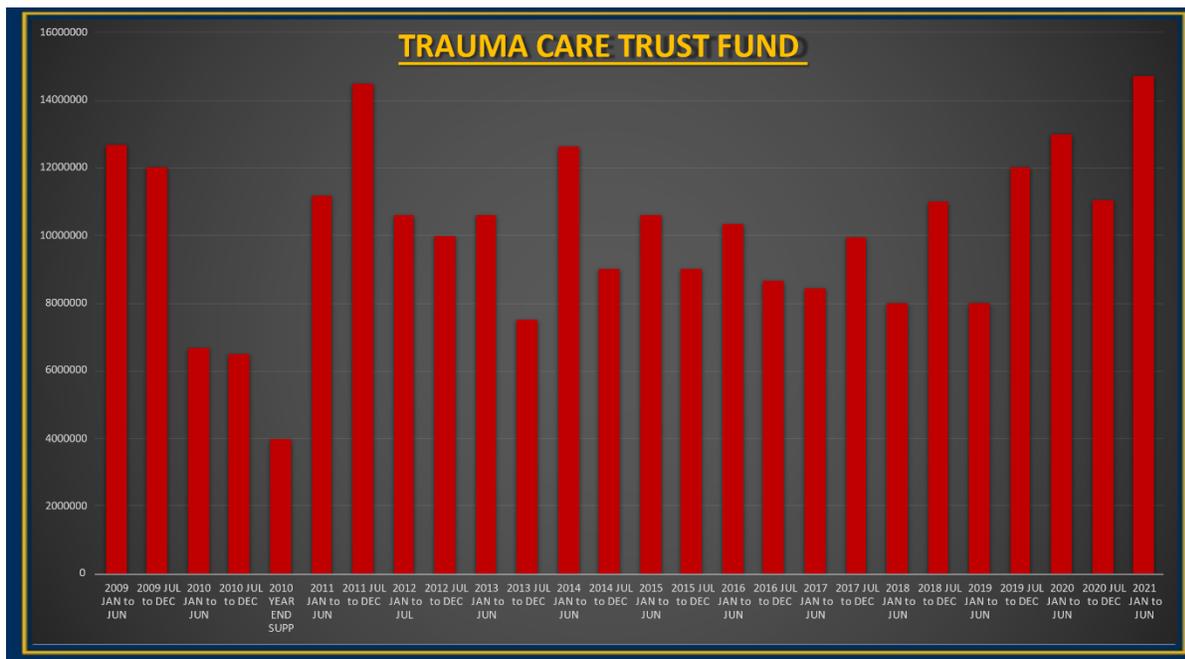
ATV Injuries (Protective Devices) – Adult



Financial Data



Trauma Care Trust Fund



References

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