



System Report

October 2021 – December 2021

Mississippi Trauma Care System

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

Prepared for:

Mississippi State Board of Health

March 9, 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: October – December 2021

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:

- State Health Officer Memo (January 15, 2021)
 - Designation extension of all currently designated trauma centers due to COVID-19
- Designation surveys and in-person education visits tentatively scheduled to resume Calendar Year 2022

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, October 15, 2021 – Regularly Scheduled Quarterly Meeting**
 - Bureau of Acute Care Systems Report
 - Focus on priorities as COVID response continues
 - Horne Supplemental Report reviewed
 - Noted cost savings implemented by the Bureau of Acute Care Systems
 - 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
 - Trauma Care Trust Fund (TCTF) distribution sent to MTCSF
 - MTCSF serves as vendor to remit individual payments to hospitals and EMS
 - Ms. Windham updated group regarding applications and scheduling of designation surveys
 - 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 on TQIP Initiative
 - Discussion on Teleconsultation use in the Trauma System
 - Mississippi Trauma Care System Foundation Report – John Gardner
 - Mr. Gardner shared his vision and mission for the 2nd full year of operations.
 - Symposium planning and topics forming
 - Website development with MHA
- **Trauma Registry Subcommittee**
 - No meeting held during October – December 2021

Trauma Performance Improvement (PI) Program:

- Review of Core Measure Indicators List
- Discussion of telehealth for acute care services
- Held 1st 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 (October to December 2021)

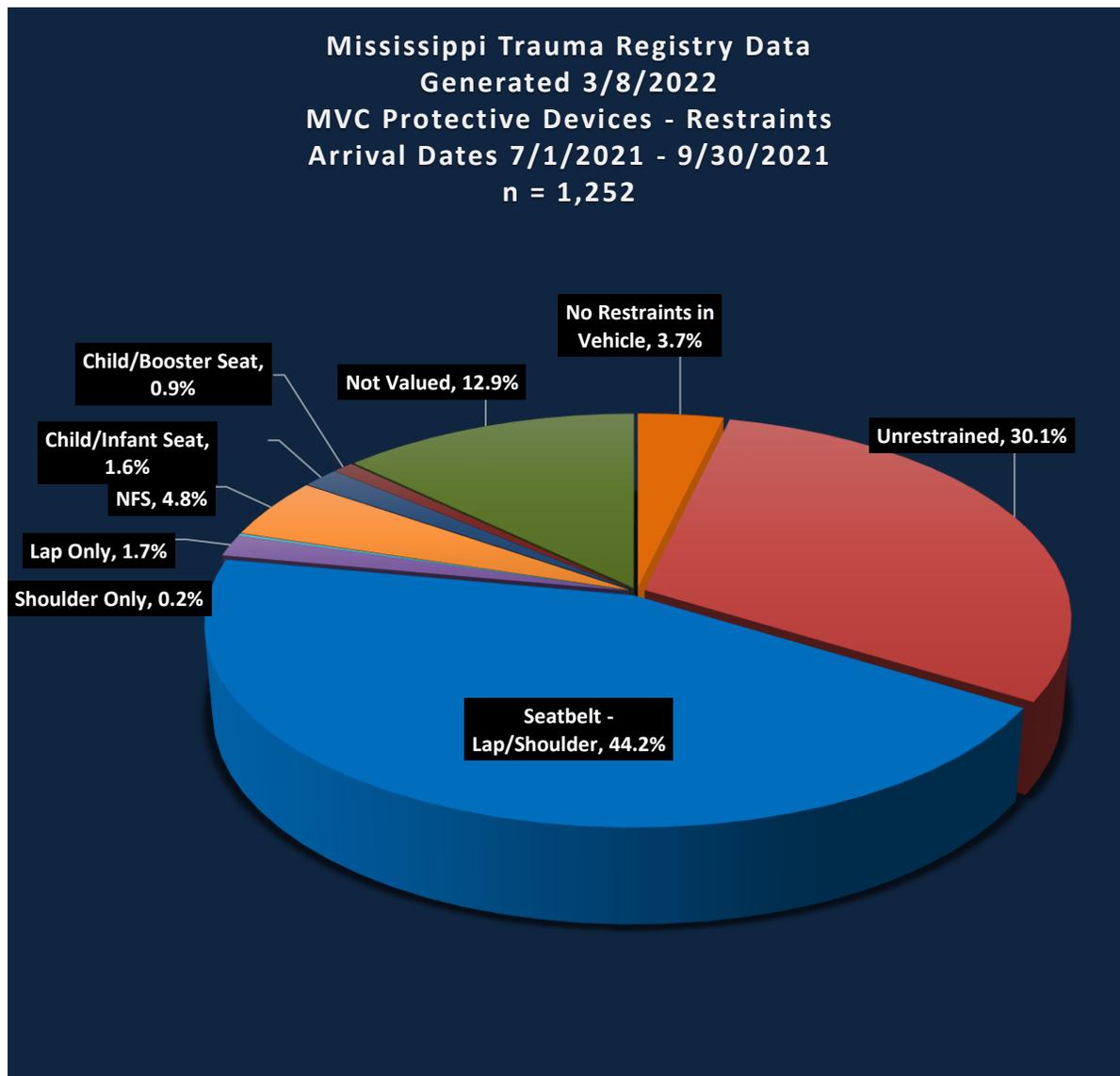
Revenue Collected in FY 22	July	August	September	Total
Auto Privilege & Tags Fee	\$1,035,196.21	\$1,011,616.43	\$937,202.07	\$2,984,014.71
Interest Income	\$7,585.00	\$5,235.58	\$5,384.83	\$18,205.41
License Fees & Permits	\$89,934.01	\$94,453.08	\$105,514.96	\$289,902.05
GRAND TOTAL				\$3,292,122.17

Trauma Data Reporting Period: July – September 2021

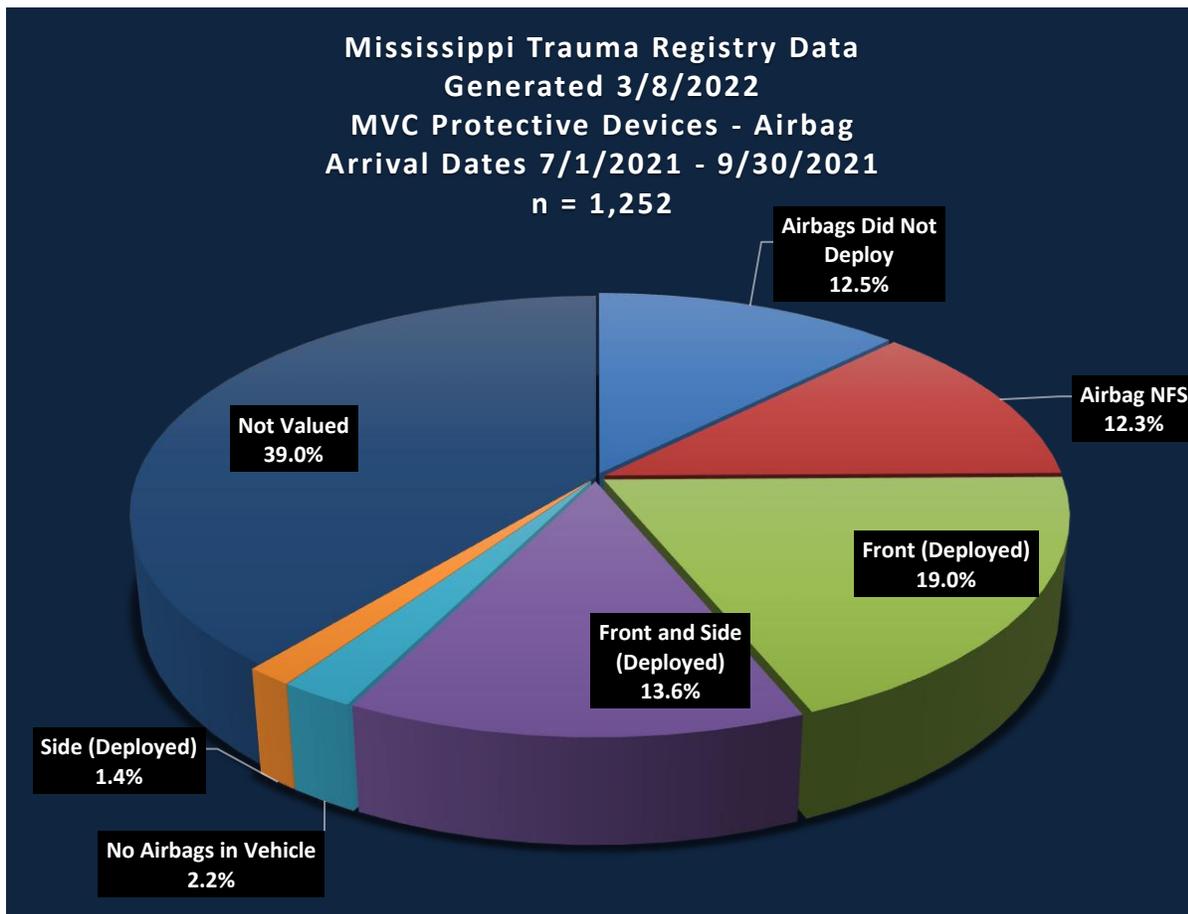
Hospital	ISS 1-9	ISS 10-15	ISS 16-24	ISS > 24	ISS NV	Total by Hospital
Anderson Regional Medical Center	81	16	8	3	0	108
Baptist Memorial Hospital - Desoto	248	14	4	4	0	270
Baptist Memorial Hospital - Golden Tri	171	14	2	0	13	200
Baptist Memorial Hospital - North Miss.	144	13	4	3	0	164
Delta Regional Medical Center	53	6	6	2	0	67
Forrest General Hospital	266	48	35	38	0	387
LeBonheur Children's Medical Center	113	16	8	3	1	141
Magnolia Region Health Center	105	19	11	3	0	138
Memorial Hospital at Gulfport	118	16	12	9	0	155
Merit Health Biloxi	51	13	4	0	0	68
Merit Health Central	43	5	2	0	0	50
Merit Health River Oaks	28	3	3	0	0	34
Merit Health Wesley	40	3	1	0	1	45
North MS Medical Center-Tupelo	242	77	33	29	0	381
Ocean Springs Hospital	0	0	0	0	0	0
OCH Regional Medical Center	44	9	3	1	0	57
Regional One Health	160	58	37	29	0	284
Rush Foundation Hospital	64	12	5	2	0	83
Singing River Hospital - Gulfport	69	9	4	0	0	82
Singing River Hospital - Pascagoula	6	7	1	0	0	14
South Central Regional Medical Center	68	21	10	1	0	100
Univ of South Alabama Medical Center	59	28	19	10	1	117

University Medical Center	896	264	149	98	0	1407
TOTAL	3069	671	361	235	16	4352

Motor Vehicle Collisions – Protected Devices (Restraints)

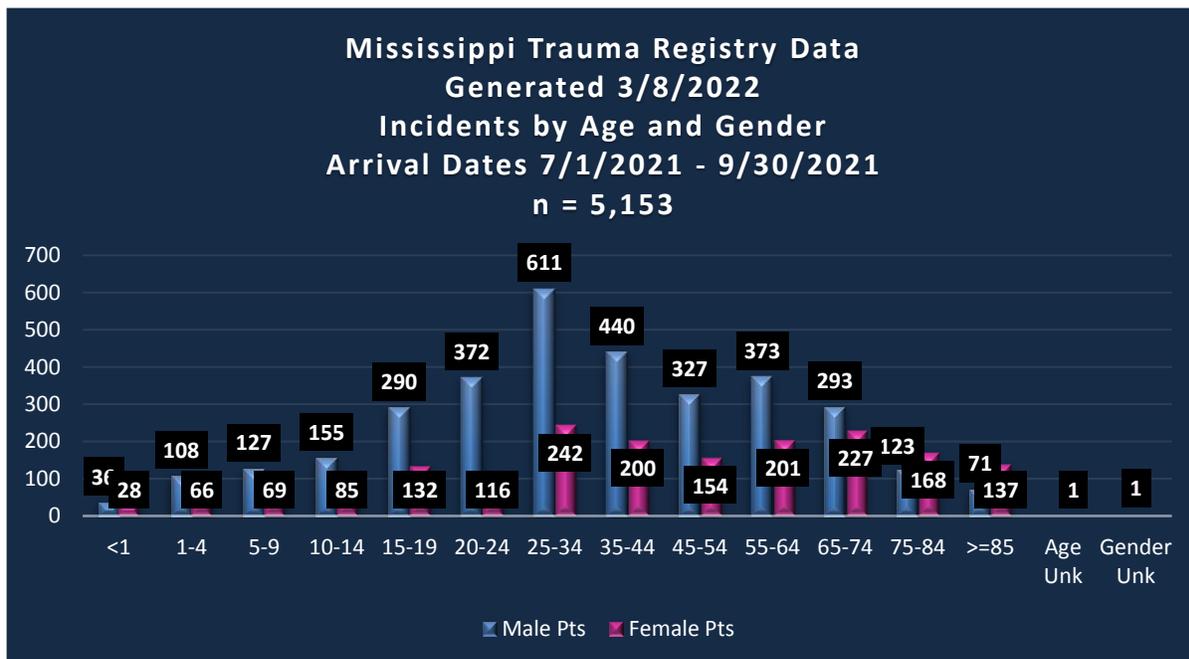


Motor Vehicle Collisions – Protected Devices - Airbags

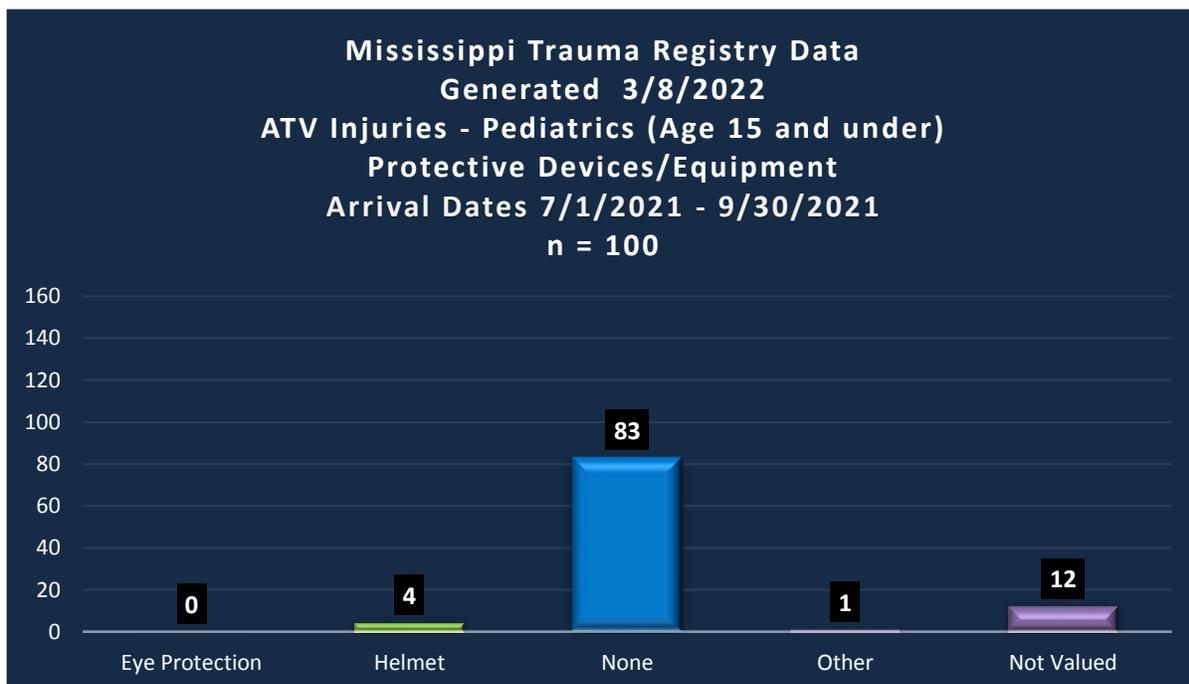


Legislative Bill signed on May 9, 2017 requiring all passengers in vehicle to wear seatbelts

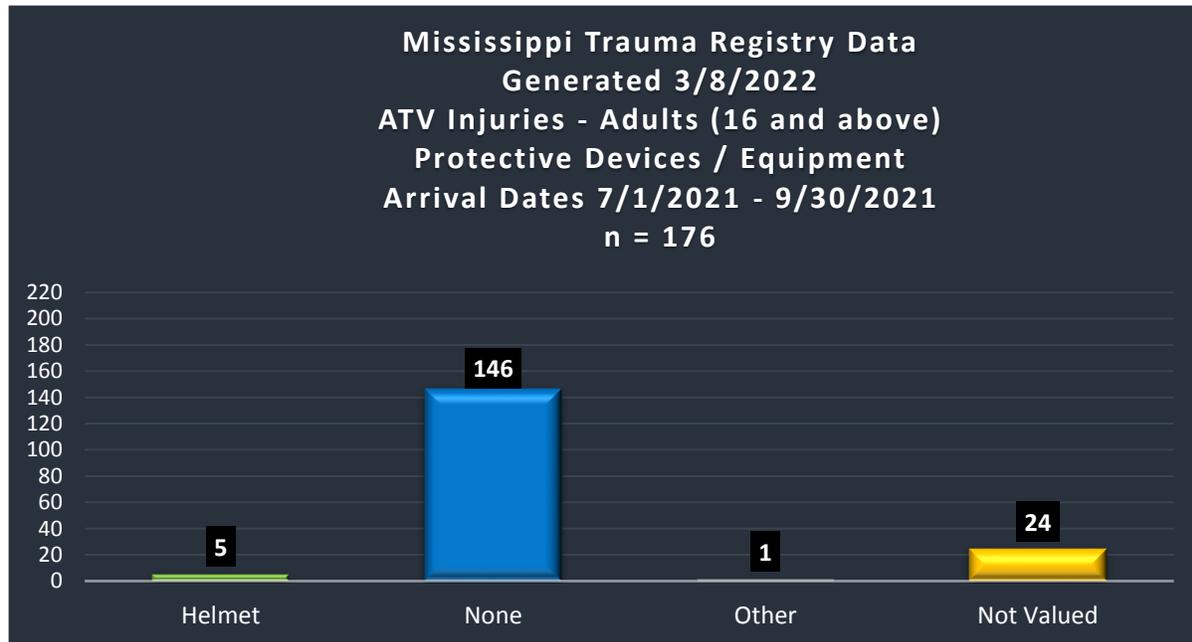
Incidents by Age and Gender



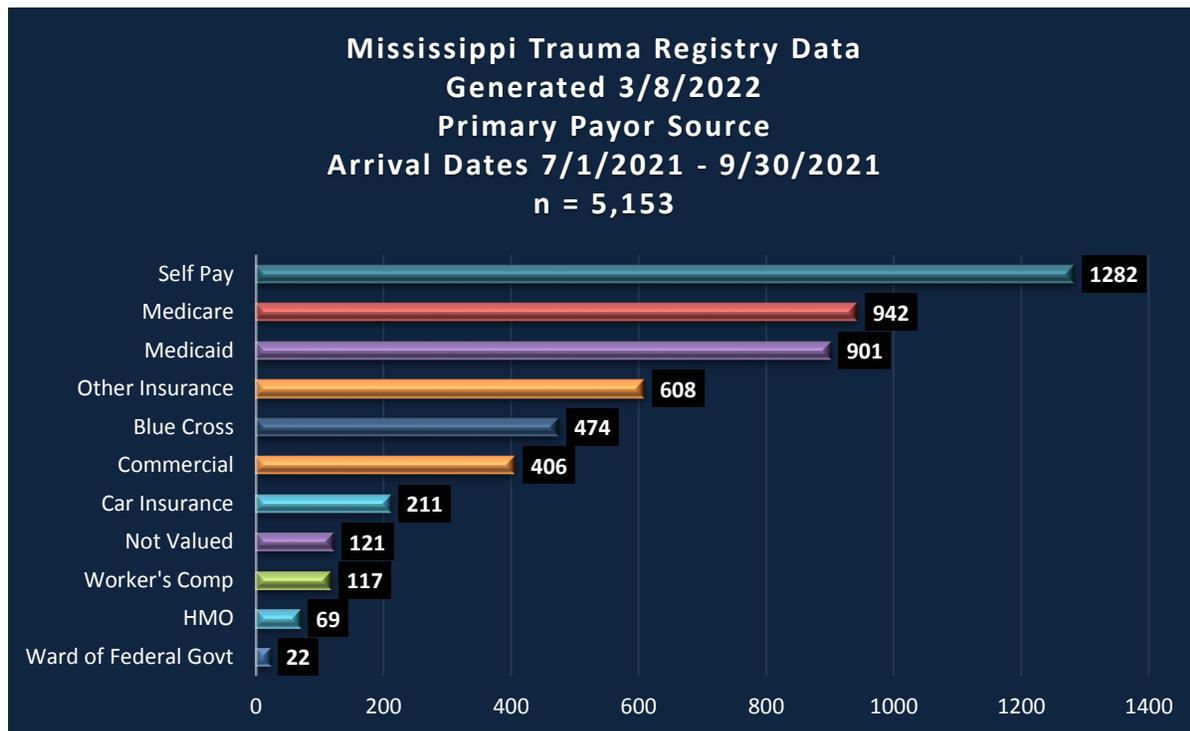
ATV Injuries (Protective Devices) – Pediatric



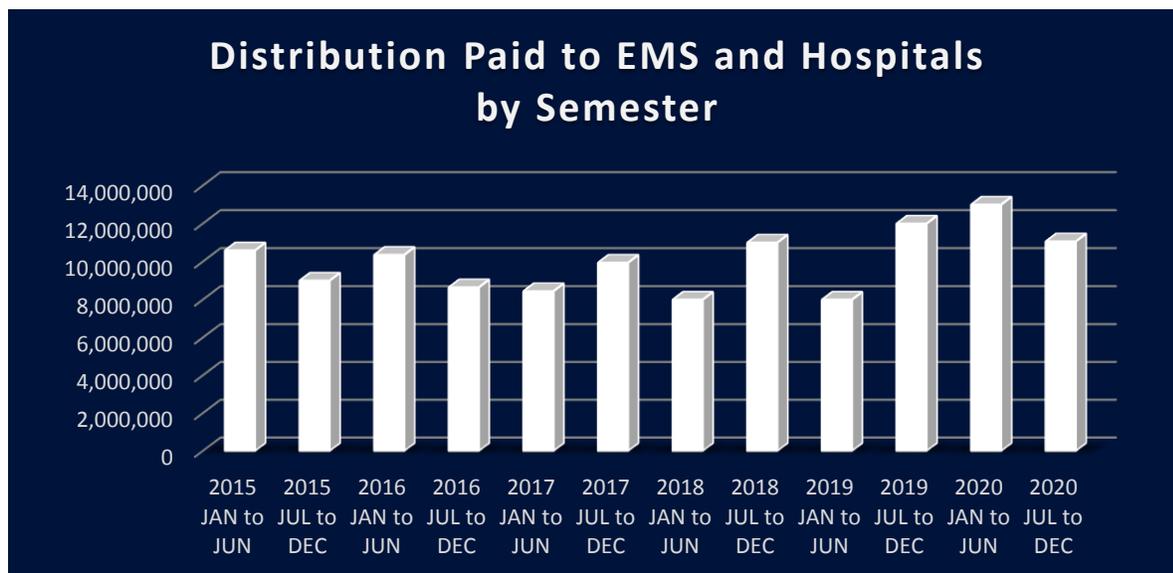
ATV Injuries (Protective Devices) – Adult



Financial Data



Trauma Care Trust Fund



References

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