



System Report

January 2022 – March 2022

Mississippi Trauma Care System

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

Prepared for:

Mississippi State Board of Health

April 11, 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:

- One Designation survey completed for Level I Center
- Designation survey completed for Tertiary Pediatric Center
- Two Education Visits completed for Level III Centers

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, January 14, 2022 – Regularly Scheduled Quarterly Meeting**
 - Bureau of Acute Care Systems Report
 - Trauma Care Trust Fund overview presented
 - 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
 - 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 and discussion of plan to send letter with DPS Director regarding road test with drivers’ education in high schools
 - 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 Teleconsultation 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 January 18, 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 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 (January – March 2022)

Revenue Collected in FY 22	January	February	March	Total
Auto Privilege & Tags Fee	\$882,638.27	\$863,633.95	\$878,298.05	\$2,624,570.27
Interest Income	\$6,137.43	\$9,153.45	\$10,441.87	\$25,732.75
License Fees & Permits	\$112,235.00	\$116,766.37	\$82,197.51	\$361,198.88
GRAND TOTAL				\$3,011,501.90

Trauma Data Reporting Period: October – December 2021

MS Trauma Registry

ISS Counts-TCTF

Generated 04/05/2022

Arrival Dates 10/01/2021 - 12/31/2021

Query: LEVEL_I_III_HOSPS

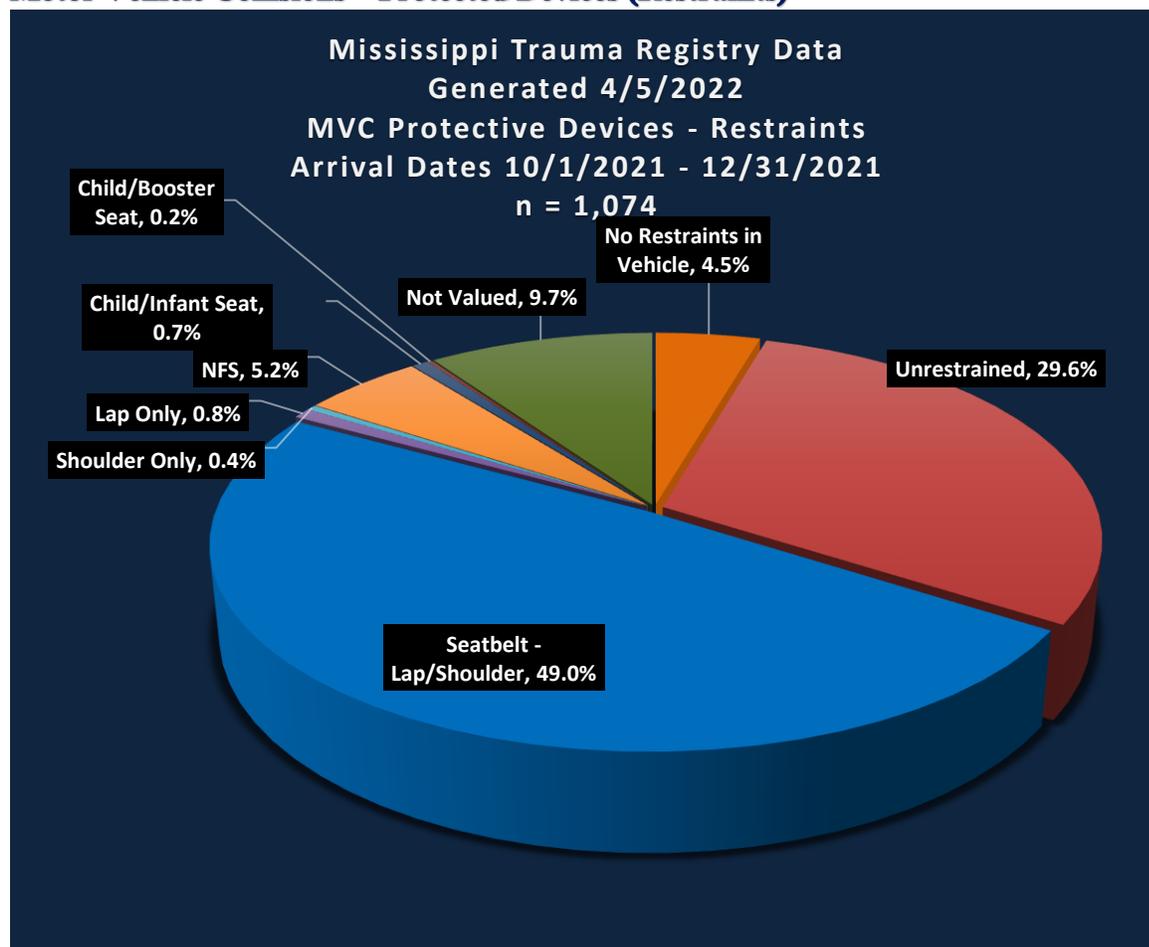
Population: PIPS_RECORD_INCLUSIO Records Included In Reports

Gather: BY_HOSPITAL (By Facility)

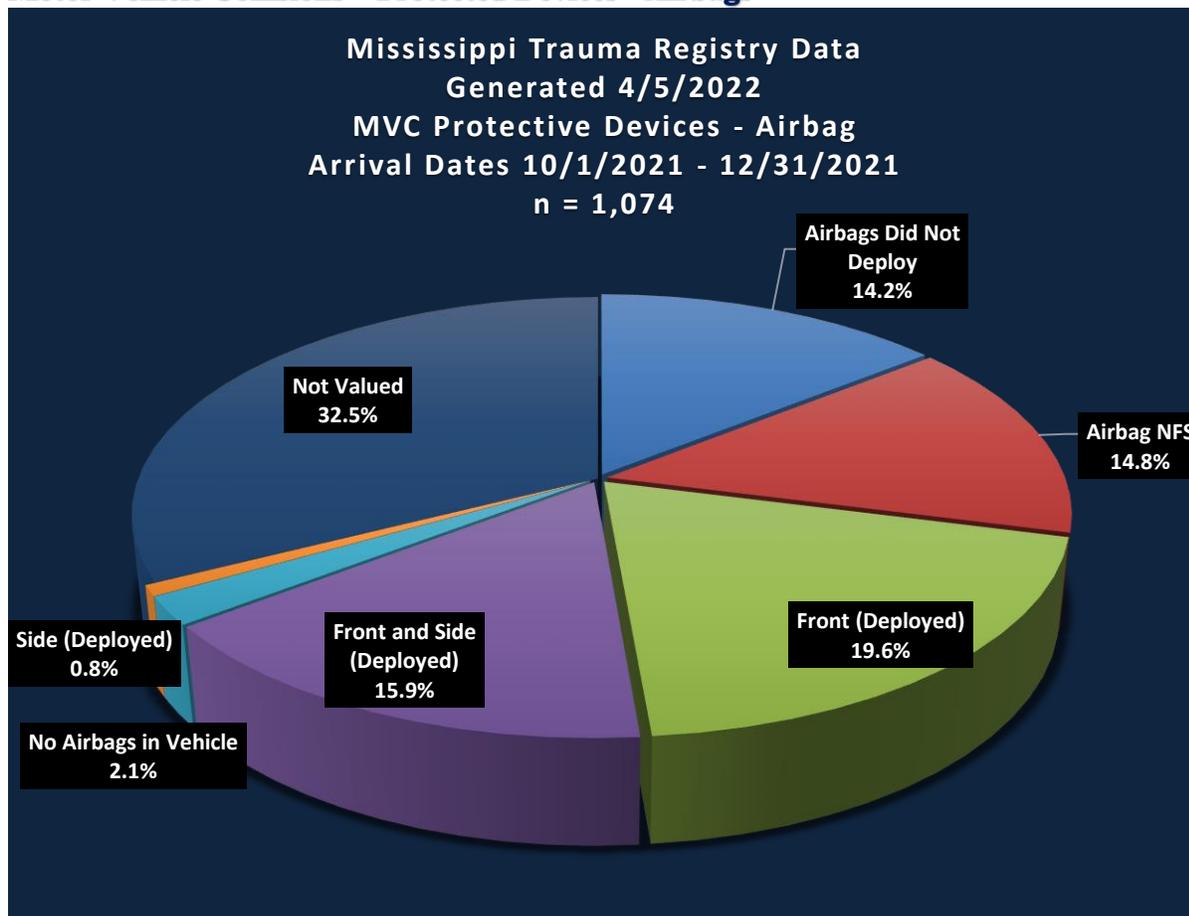
Hospital	Site ID	ISS 1-9	ISS 10-15	ISS 16-24	ISS > 24	ISS NV	Total by Hospital
Anderson Regional Medical Center	237	75	22	13	3	0	113
Baptist Memorial Hospital - Desoto	318	167	10	11	6	0	194
Baptist Memorial Hospital - Golden Tri	253	160	17	3	0	20	200
Baptist Memorial Hospital - North Miss.	228	2	1	0	0	0	3
Delta Regional Medical Center	189	69	14	6	0	2	91
Forrest General Hospital	141	269	50	40	18	0	377
LeBonheur Children's Medical Center	901	94	13	3	7	2	119
Magnolia Region Health Center	248	77	23	8	7	0	115
Memorial Hospital at Gulfport	28	111	24	16	10	0	161
Merit Health Biloxi	299	60	3	4	3	0	70
Merit Health Central	240	41	7	3	3	0	54
Merit Health Wesley	23	43	6	2	1	0	52
North MS Medical Center-Tupelo	63	234	82	28	25	0	369

OCH Regional Medical Center	269	41	8	2	0	1	52
Regional One Health	900	184	52	37	20	0	293
Rush Foundation Hospital	59	54	12	4	4	0	74
Singing River Hospital - Gulfport	272	78	14	6	2	0	100
Singing River Hospital - Ocean Springs	390	29	10	0	0	0	39
Singing River Hospital-Pascaguola	39	0	0	0	0	0	0
South Central Regional Medical Center	153	66	9	18	4	0	97
Univ of South Alabama Medical Center	914	84	32	27	25	1	169
University Medical Center	199	548	111	54	36	3	752

Motor Vehicle Collisions – Protected Devices (Restraints)

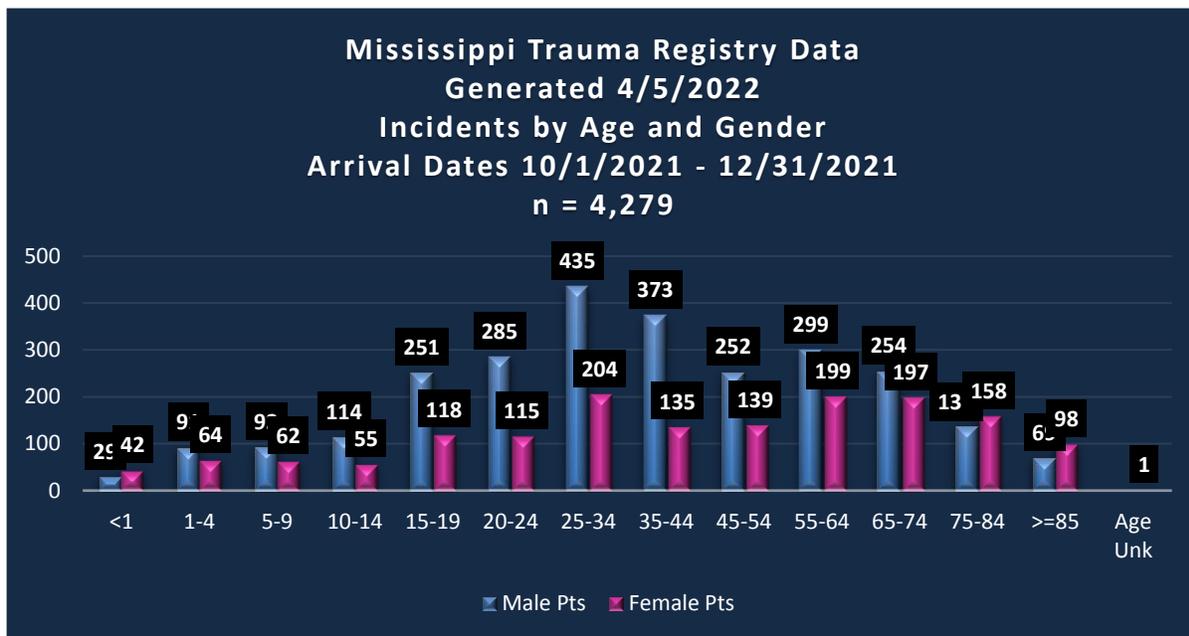


Motor Vehicle Collisions – Protected Devices - Airbags

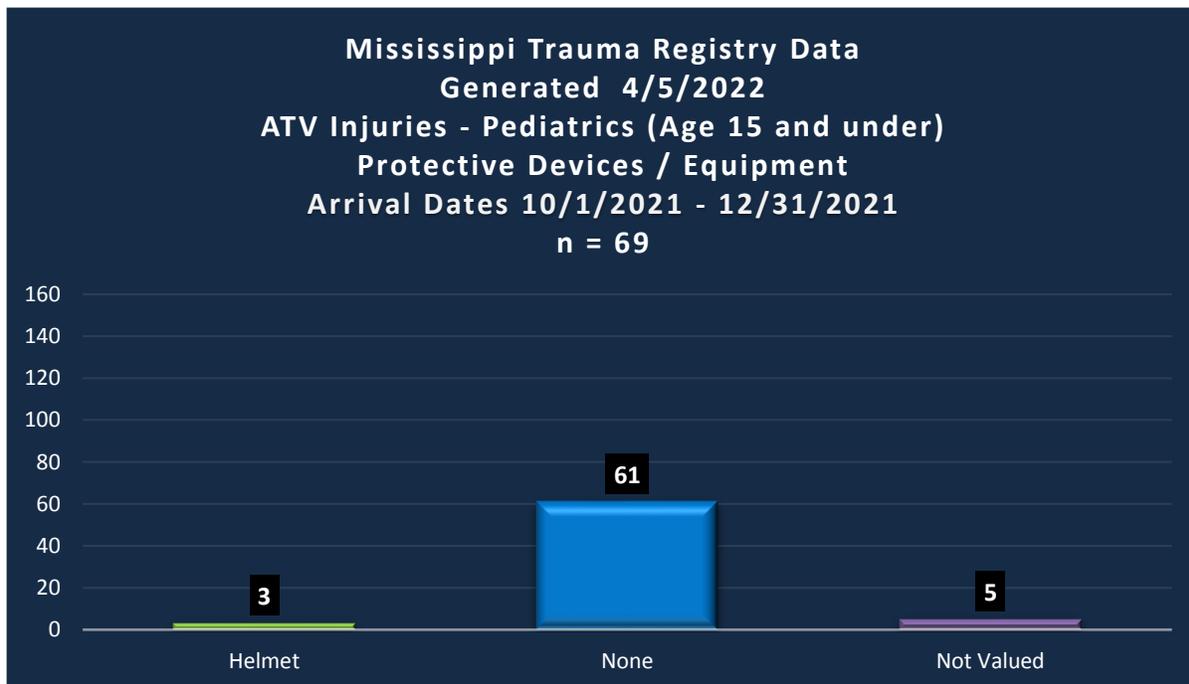


Legislative Bill signed on May 9, 2017 requiring all passengers in vehicle to wear seatbelts

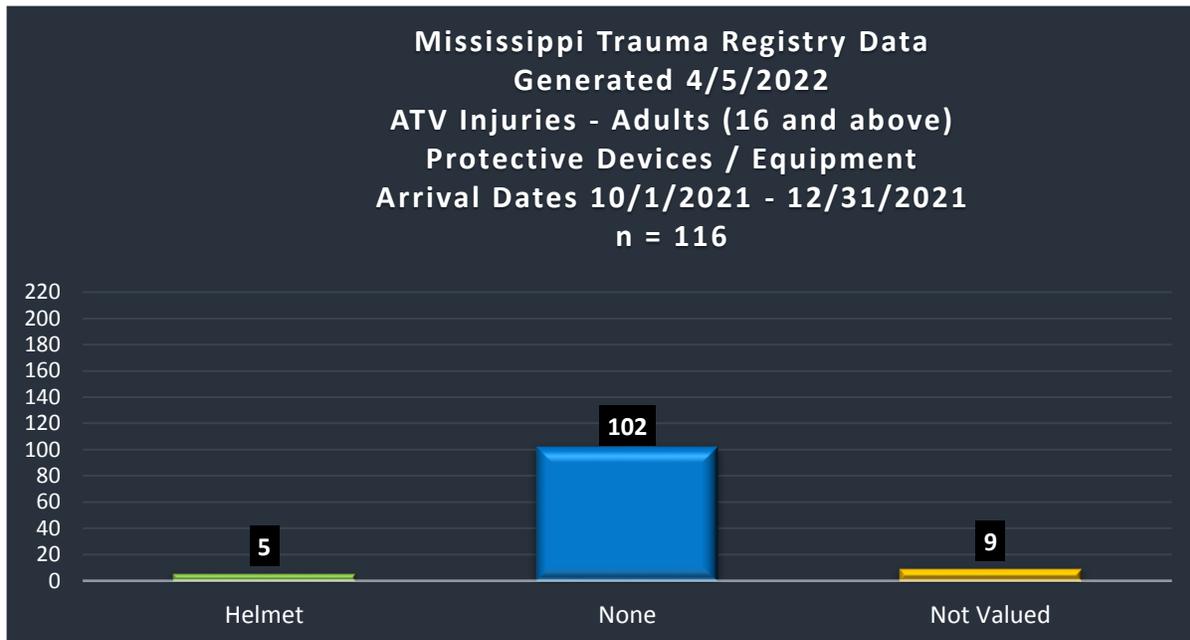
Incidents by Age and Gender



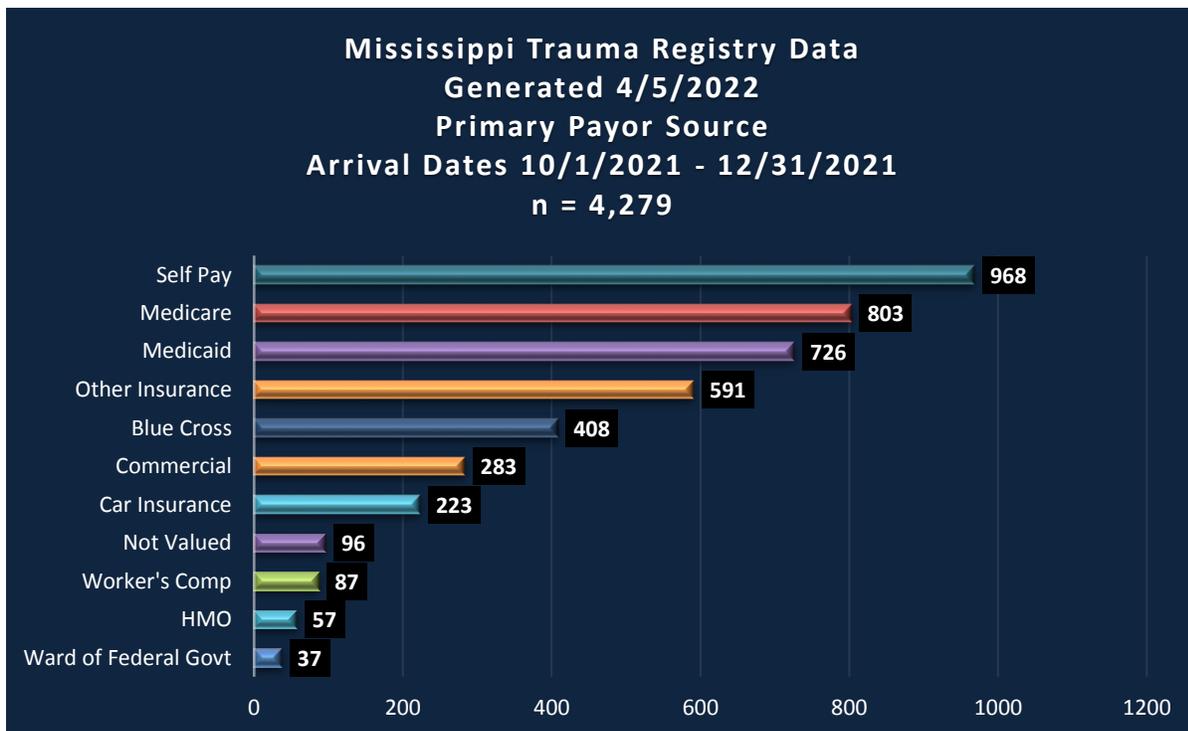
ATV Injuries (Protective Devices) – Pediatric



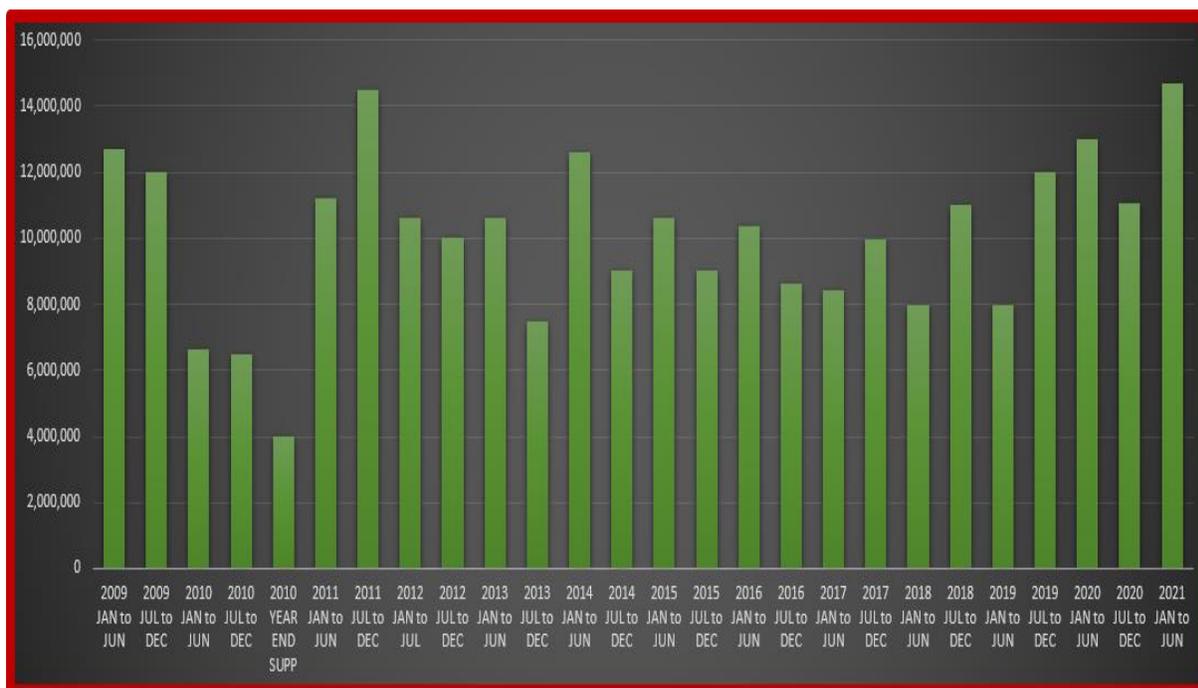
ATV Injuries (Protective Devices) – Adult



Financial Data



Trauma Care Trust Fund



References

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