



System Report

June 1 – August 31, 2011

Data Period-Second Quarter 2011
(April-May-June)

Mississippi Trauma Care System

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

Prepared for:

Mississippi State Board of Health

August 31, 2011

Introduction

The goal of the Mississippi Trauma Care System is to deliver the **right** patient to the **right** hospital at the **right** time. Research shows that this approach decreases mortality. Trauma remains the leading cause of death for Mississippians age 1 to 44 and Mississippi ranks third in the nation for unintentional injury deaths.

Mississippi began development of a statewide trauma system in 1991. The Mississippi Legislature charged the Mississippi State Department of Health with the responsibility for oversight of trauma system development. Since that time the state has adopted a trauma care plan, established seven designated trauma regions, designated qualifying hospitals as trauma centers, maintains a trauma registry, and disbursed funding to trauma regions, trauma centers, and physicians.

The Mississippi Legislature passed House Bill 1405 during the 2007 Regular Session to revitalize and more fully fund the Mississippi Trauma Care System. Mississippi moved from a voluntary system with indigent reimbursement, to a mandatory system with block grant funding based on participation; the first trauma system of its type in the United States. 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.



Quarterly Activities

Trauma Registry Meetings

Trauma Registry Software Training Jackson, Mississippi August 3-5, 2011 Second Quarter 2011					
Facility	First Name	Last Name	3-Aug	4-Aug	5-Aug
Univ Hospitals & Clinics-Holmes Co.	Beth	Adcock		X	
Crossgates River Oaks	Missy	Cagle	X	X	
MS Baptist Med Ctr	Josephine	Carter	X	X	X
Pearl River County Hos	Steve	Colson	X	X	X
MS Baptist Med Ctr	Betty	Cox	X	X	X
Baptist Mem Hospital-Union Co.	Chad	Fleener	X	X	X
Magee General Hospital	Cynthia	Himmel		X	X
Kings Daughter Med Ctr-Yazoo	Dorothy	Hope	X	X	X
Kings Daughter Med Ctr-Yazoo	Pam	Howard	X	X	X
Natchez Regional Med Center	Beatrice	King	X	X	X
Pearl River County Hos	Harry	Lucas	X	X	X
Magnolia Regional Health Center	Brooke	Meeks	X	X	
Leake Mem. Hospital	Vicky	Moody	X	X	X
Laird Hospital	Connie	Moore	X	X	X
Univ Hospitals & Clinics-Holmes Co.	Paula	Pepper		X	
University of MS Medical Center	Detrica	Sims	X	X	X
Patient's Choice Med Ctr-Humphreys	Alice	Toy	X		
Baptist Mem Hospital- Desoto	Chris	Wolfe	X		
Totals			15	16	12

Trauma Registry Users' Group Meeting Jackson, Mississippi July 20, 2011 Second Quarter 2011				
First Name	Last Name	Region	Facility	Total
Carla	Alderson	EC	Rush Foundation Hospital	1
Tracy	Beasley	EC	Neshoba County Gen Hospital	1
Marjolyn	Brock	Central	University Medical Center	1
Debbie	Coleman	Central	Montfort Jones Mem Hospital	1
Amie	Cowart	Delta	Regional Medical	1
Betty	Cox	Central	MS Baptist Medical Center	1
Pam	Graves	Central	St. Dominic Hospital	1
Rosalind	Harper	Delta	Regional Medical Center	1
Cindy	Himmel	Central	Magee General Hospital	1
Brenda	Jayroe	EC	Neshoba County Gen Hospital	1
Bobbie	Knight	SE	South Central Regional Medical Center	1
Sandy	Long	Delta	Regional Medical	1
Kim	McDaniels	SW	Field Memorial Hospital	1
Robin	Montalbano	SE	Highland Community Hospital	1
Martha	Oestreicher	Delta	Greenwood Leflore Hospital	1
Kesha	Prystupa	Central	University Medical Center	1
Naomi	Sigman	Coastal	Biloxi Regional Medical Center	1
Linda	Swann	Central	Crossgates River Oaks Hospital	1
Meree	White	EC	John C. Stennis Memorial Hospital	1
Lisa	Wilson	Coastal	University of South Alabama Hospital	1
Teresa	Windham	Delta	Baptist Memorial Hospital - DeSoto	1
Total				21

Trauma Center Consultation Visits

Garden Park Medical Center, Gulfport, received a consultative visit in conjunction with their application to be a Level III Trauma Center on June 23, 2011.

Central Mississippi Medical Center, Jackson, received a consultative visit in conjunction with their application to be a Level III Trauma Center on August 24, 2011.

Trauma Center Inspections

There were no inspections during this period.

Trauma Center Designations

Field Memorial Hospital, Centreville; and Franklin County Hospital, Meadville; were re-designated as Level IV Trauma Centers on August 10, 2011.

Currently, the system is comprised of:

- Three (3) Level I Trauma Centers (UMMC, Jackson; Regional Medical Center, Memphis; University of South Alabama, Mobile);
- Five (5) Level II Trauma Centers (North Mississippi Medical Center, Tupelo; Baptist Memorial Hospital-Golden Triangle, Columbus; Forrest General Hospital, Hattiesburg; Memorial Hospital of Gulfport, Gulfport; Singing River Hospital, Pascagoula);
- Twelve (12) Level III Trauma Centers;
- Sixty four (64) Level IV Trauma Centers,
- Five (5) non-participating hospitals (Mississippi Baptist Medical Center, Jackson; Gilmore Memorial Hospital, Amory; Trace Regional Hospital, Houston; Choctaw Health Center, Philadelphia; Wesley Medical Center, Hattiesburg), and
- One (1) suspended hospital (Choctaw County Hospital-dba Pioneer Health Services, Ackerman).

Mississippi Trauma Advisory Committee (MTAC) Activities

MTAC held its quarterly meeting on June 9, 2011 in the Cobb Auditorium.

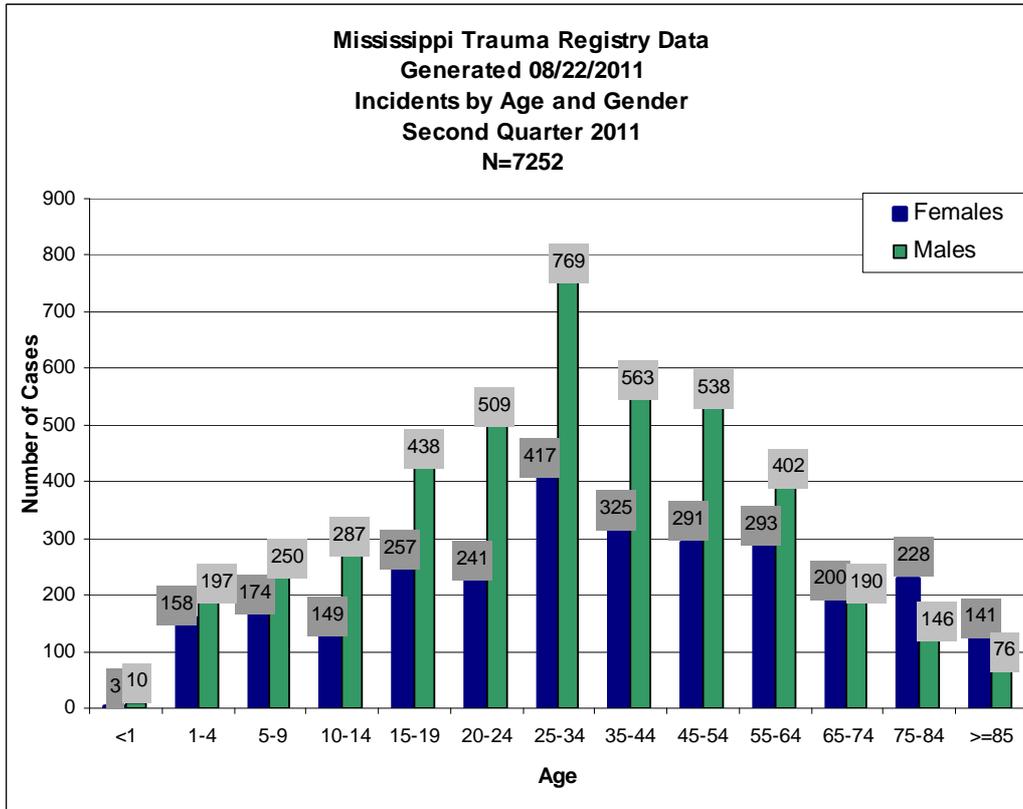
- The Pediatric Task Force is still working on Chapter 13. One of the issues that remains to be addressed is the definition of Pediatric Trauma Center levels.
- A proposed change to the definitions and response times for physician specialties was addressed. The committee decided to move these changes to Appendix C as part of the Consolidated Activation Criteria, the remainder of regulation changes addressing physician response was returned to the Rules and Regulations Sub-committee for additional work.
- During the discussion of changes, it was recommended that research into partial capability be directed to the Functionality Sub-Committee.
- Next meeting is September 1, 2011 in the Cobb Auditorium at 10:00 am.

Trauma Data

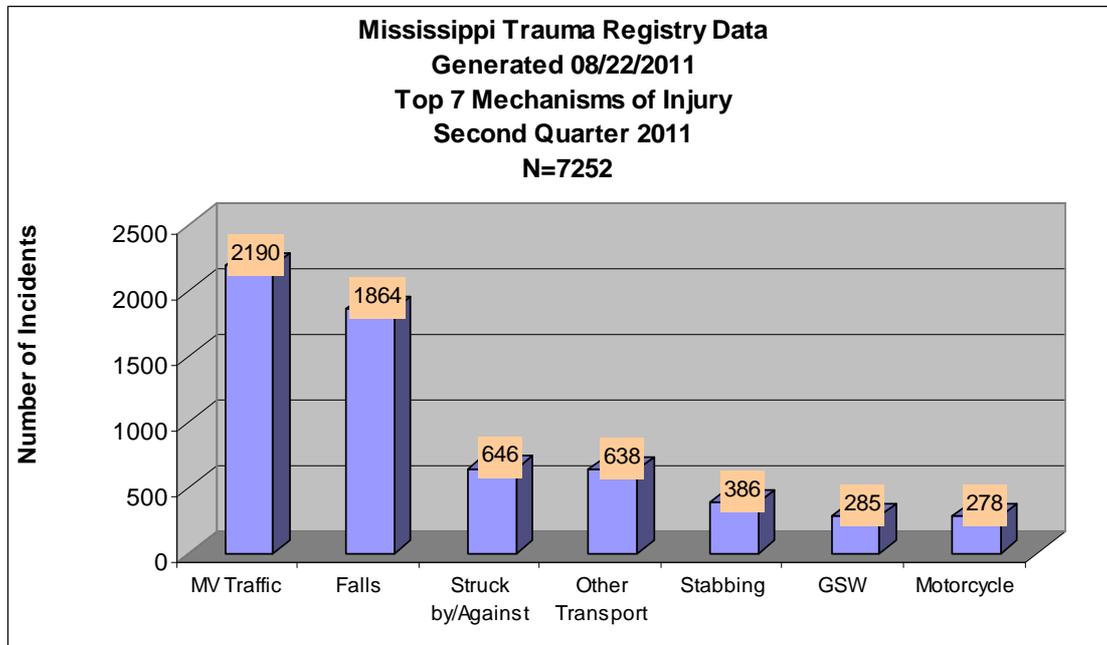
Injury Severity Score (ISS) Summary for Level I-III Trauma Centers

Mississippi Trauma Registry Data						
Injury Severity Score Summary for Level I to Level III Hospitals						
Generated 08/22/2011						
Second Quarter 2011						
N = 5512						
Facility	ISS 1-9	ISS 10-15	ISS 16-24	ISS >24	ISS N/V	Total
Anderson Regional Medical Center	115	24	13	8	0	160
Baptist Memorial-Desoto	199	6	11	1	1	218
Baptist Memorial-GoldenTriangle	315	17	12	2	0	346
Baptist Memorial-North MS	80	11	11	5	0	107
Biloxi Regional	79	2	5	6	0	92
Delta Regional	514	3	2	2	0	521
Forrest General	883	73	65	21	0	1042
Magnolia Regional Health Center	94	6	5	0	0	105
Memorial Hospital at Gulfport	172	23	28	13	0	236
North MS Medical Center-Tupelo	623	46	73	39	0	781
Ocean Springs Hospital	69	10	2	3	0	84
Oktibbeha County Hospital	43	4	6	0	0	53
Regional Medical Center	82	30	27	29	0	168
River Oaks Hospital	29	0	1	0	1	31
Rush Foundation Hospital	115	16	10	4	1	146
Singing River Hospital	90	11	13	1	1	116
South Central Regional Medical Center	222	6	13	6	0	247
Southwest Mississippi Regional Medical Center	85	11	3	6	0	105
Univ of South Alabama	44	12	10	10	0	76
University Medical Center	541	112	140	84	1	878
Total	4394	423	450	240	5	5512

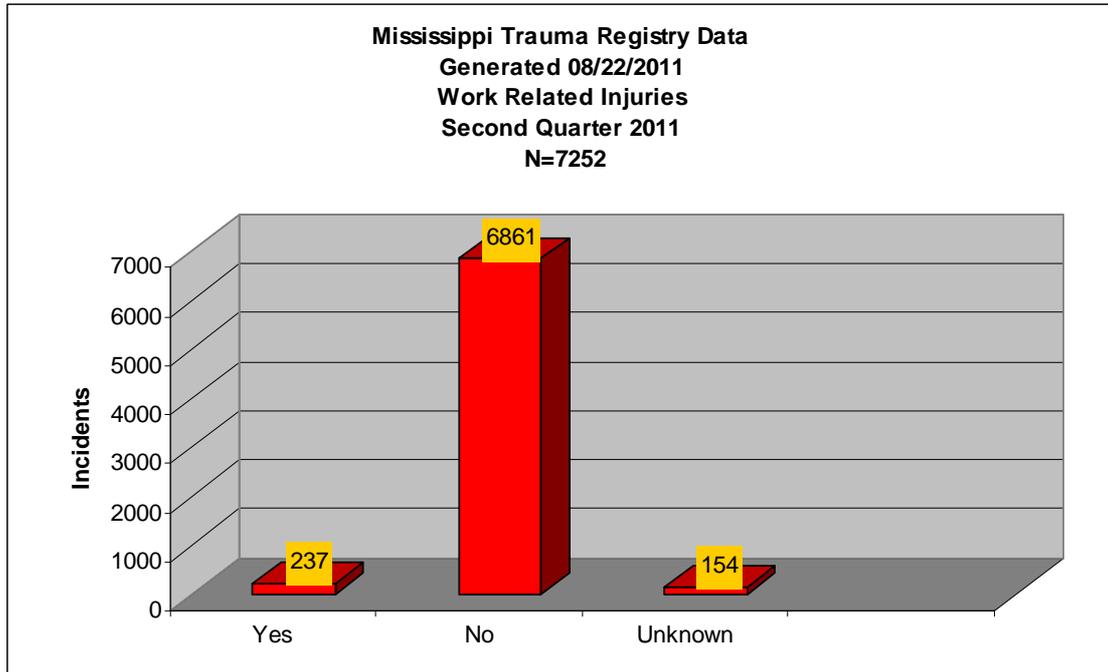
Age and Gender



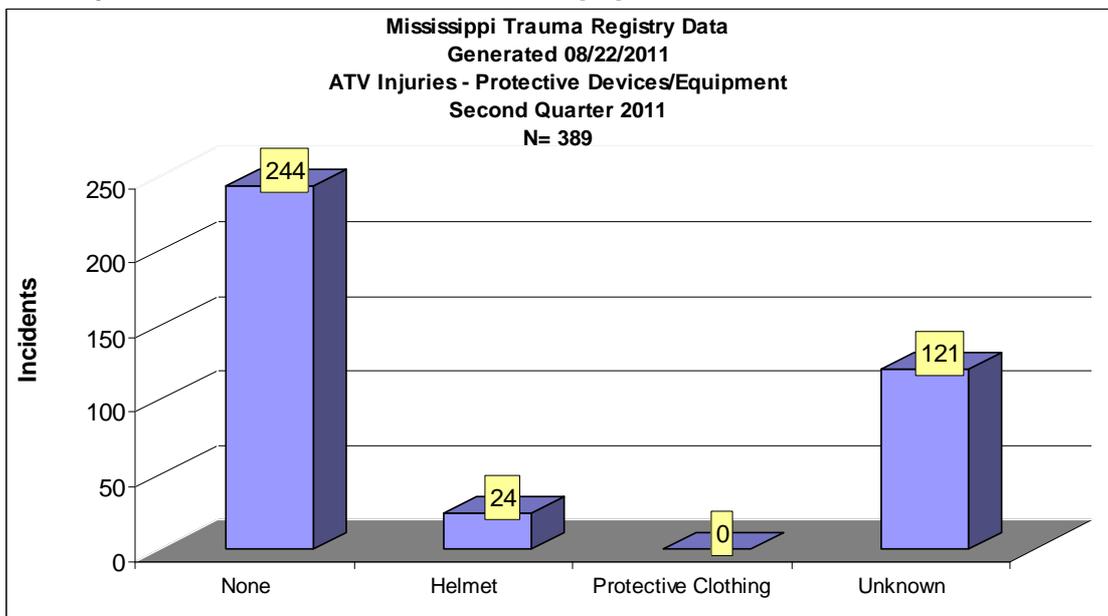
The top 7 mechanisms of injury



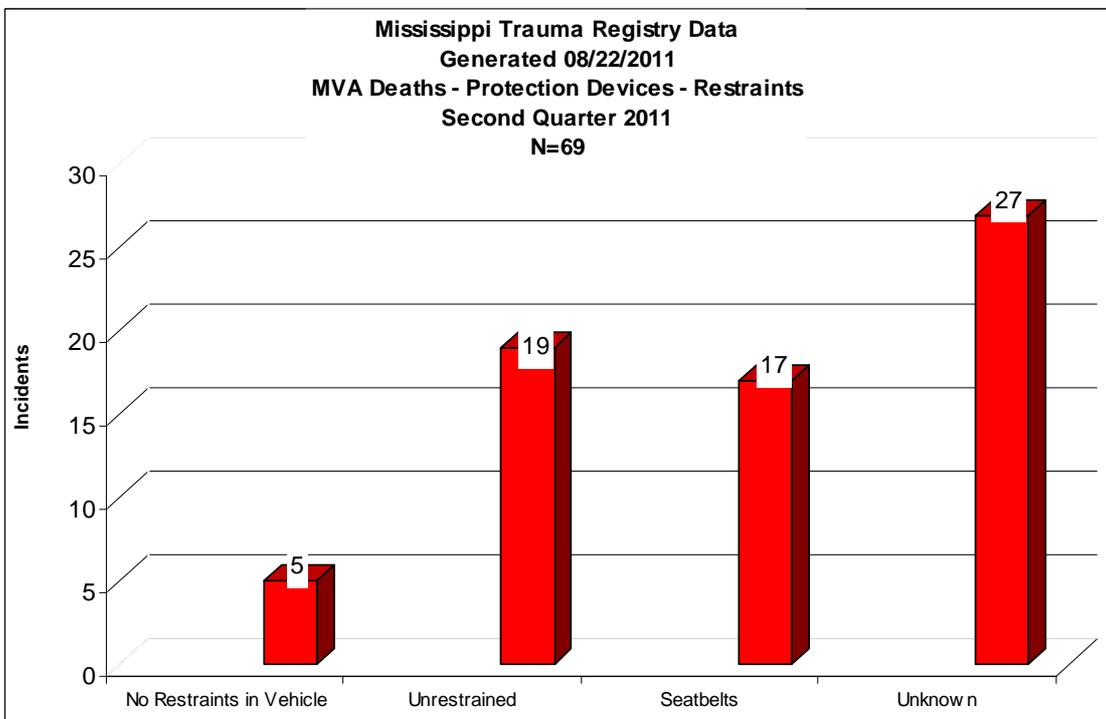
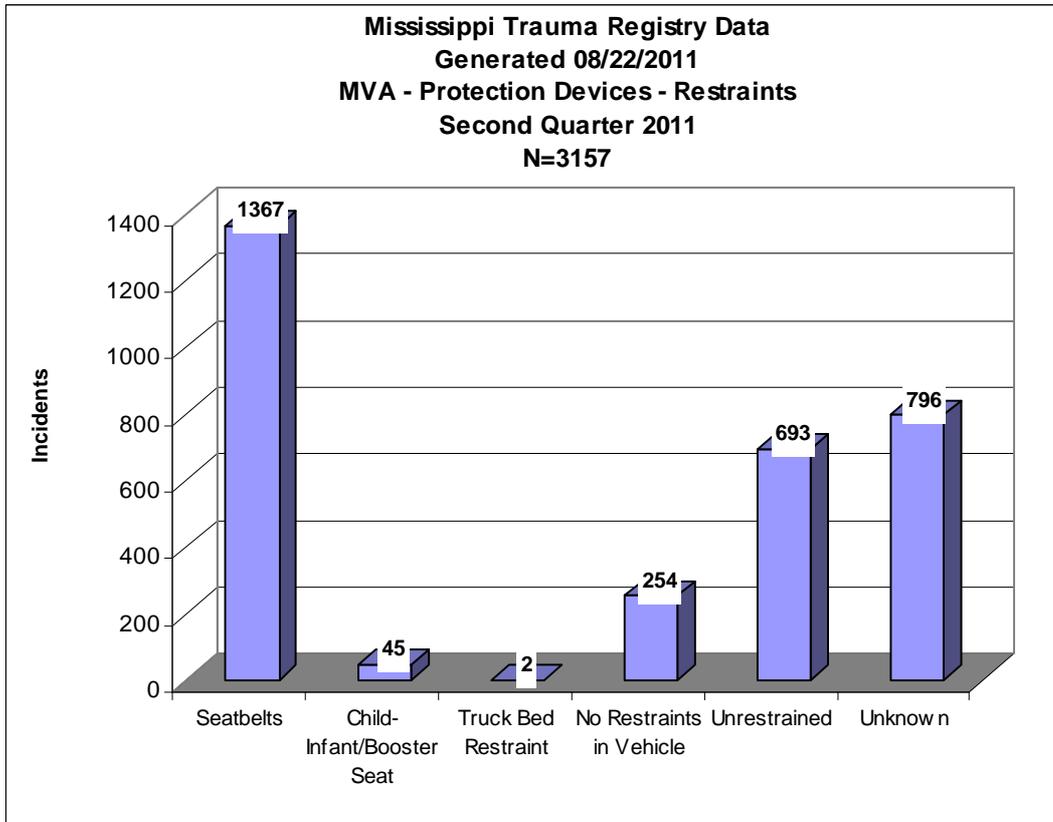
Work related injuries



ATV injuries with Protective Devices/Equipment



MVA with and without restraints



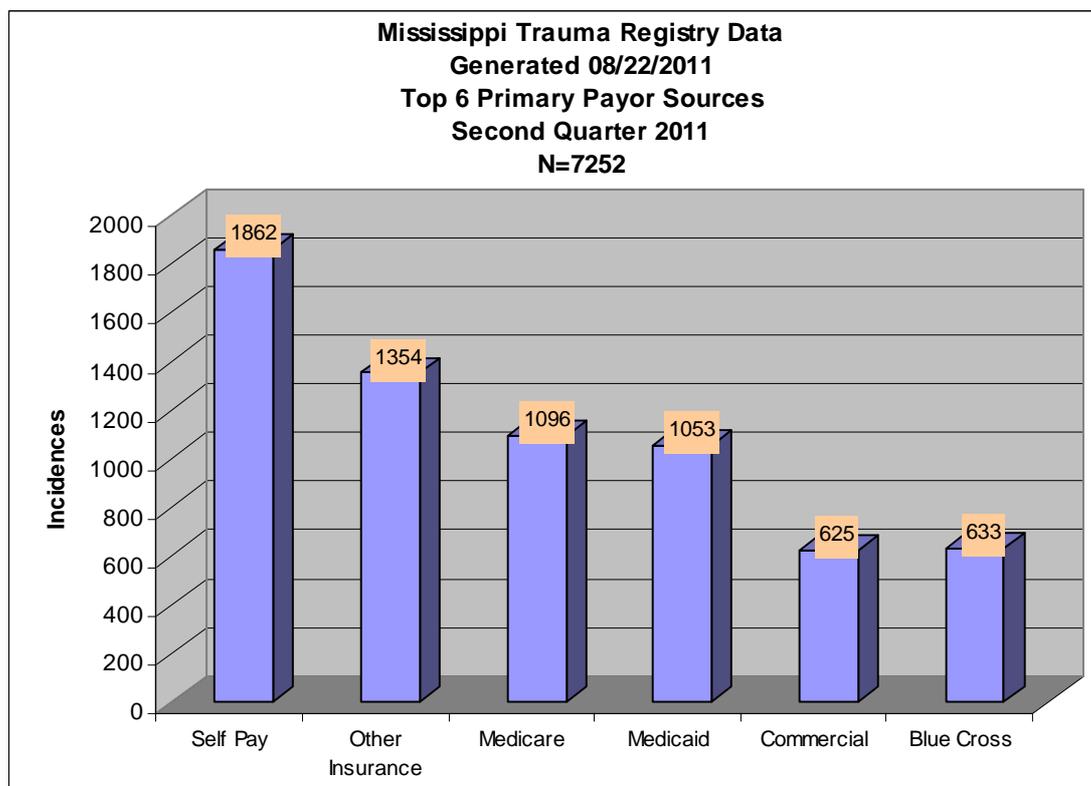
Performance Improvement Program

The State Trauma PI Committee met on June 8, 2011 and has developed PI indicators to be included in the State PI Plan. The overall goal was to select data points that are already being collected through the Trauma Registry, and therefore require no additional work from the regions or hospitals. This year's (2011) eight indicators are:

Number	Primary Monitor	Sub-Monitor(s)	Indicator	Notes	Goals
H2	Hospital		Average ED LOS, ED to OR	Alpha/Bravo patients (not transferred in)	+/- one std deviation from State mean
H3	Hospital		Average ED LOS, ED to ICU	Alpha/Bravo patients	+/- one std deviation from State mean
H4	Hospital		Average ED LOS, ED to transfer out	Alpha/Bravo patients	+/- one std deviation from State mean
H13	Hospital	Physician Region	General/Trauma Surgeon Response Time	Alpha patient not assessed by Trauma Surgeon within 30 minutes of notification.	
H17	Hospital	Physician Region	Inappropriate Airway Management	No definitive airway placed with GCS \leq 8 prior to leaving ED. (Placed in-field or ED)	0%
H32	Hospital	Nursing	Initial GCS and vital signs	Initial GCS and vital signs (SBP, pulse, respirations, temperature) not obtained on all patients.	< 5%
H37	Hospital		Outcomes	Total number of deaths. Patients where TRISS $>.5$ and patient died. Patients where TRISS $<.5$ and patient survived.	
P2	Pre-Hospital		Patient Destination (Right Place, First Time)	Arrive by ambulance from scene and transferred to acute care hospital from ED	

The data set for the first quarter of 2011 was sent to the regions in July for review. The second quarter data will be sent in October. The next scheduled meeting of the State PI Committee is January, 2012, where the regions will provide summaries of their reviews of the two quarters of data. The PI committee will meet semi-annually to review the region data and determine new/additional indicators.

Financial Data



Trauma Care Trust Fund

Fund Total – May 31, 2011

\$ 6,326,939

Month	Moving Violations	Interest	Tag Fee	ATV/ Motorcycle Fee	Play or Pay/ Other	Total Collected
June	\$595,719	\$4,711	\$937,184	\$83,350		\$1,620,964
July	346,909	2,501	1,008,668	80,015		1,438,093
August	637,725	0	856,620	74,966		1,569,311
Total	\$1,580,353	\$7,212	\$2,802,472	\$238,331		\$4,628,368

Fund Sub-total – August 31, 2011

\$10,955,307

Expenditures

FY 2012 Trauma Care Region Administration
FY 2012 Educational Grants

\$ 1,050,000
\$ 640,000

Obligated for Fall TCTF Distribution

\$ 9,265,307

Uncompensated Trauma Care Audits

May 23-27, 2011

UMMC, Jackson (final uncompensated
care audit)