



System Report

March 1, 2012 – May 31, 2012

**Data Period-First Quarter 2012
(January-February-March)**

Mississippi Trauma Care System

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

Prepared for:

Mississippi State Board of Health

May 31, 2012

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:

Trauma Registry Users' Group Meeting Jackson, Mississippi April 18, 2012				
First Name	Last Name	Region	Facility	Total
Ginger	Alford	EC	Rush Foundation Hospital	1
Miranda	Anderson	SE	Green County Hospital	1
Pam	Ayers	Delta	North Oaks Regional Medical Center	1
Kristin	Brown	North	North MS Medical Center-Tupelo	1
Jon	Calhoun	SE	Covington County Hospital	1
Betty	Cox	Central	Mississippi Baptist Medical Center	1
Dean	Evans	Central	River Oaks Hospital	1
Daphene	Fitchpatrick	Delta	Regional Medical Center at Memphis	1
Diane	Furtick	North	North MS Medical Center-Tupelo	1
Levanda	Goodman	Delta	Alliance Healthcare System	1
Pam	Graves	Central	St. Dominic Hospital	1
Angela	Hall	Central	Madison River Oaks Medical Center	1
Stacy	Hill	SE	South Central Regional Medical Center	1
Heather	Holmes	Central	J.M. Still Brandon MS	1
Vickie	Hudson	Delta	Alliance Healthcare System	1
Karen	Johnson	Central	J.M. Still Brandon MS	1
Bobbie	Knight	SE	South Central Regional Medical Center	1
Monica	McCullum	SE	Forrest General Hospital	1
Vicky	Moody	Central	Baptist Medical Center-Leake	1
Susan ?	Perrigin	North	Trauma Director-North MS Trauma System	1
Naomi	Sigman	Coastal	Biloxi Regional Medical Center	1
Gloria	Smalley	SE	SouthEast Trauma Care Region	1
Memree	White	EC	John C. Stennis Memorial Hospital	1
Adrice	Williams	Delta	Regional Medical Center at Memphis	1
Lisa	Wilson	North	North MS Medical Center-Tupelo	1
Teresa	Windham	Delta	Baptist Memorial Hospital-Desto	1
Donna	Woods	SE	Green County Hospital	1
Total				27

Trauma Registry Software Training Beginners Registry Training April 27, 2012			
Facility	First Name	Last Name	27-Apr
Greene Co. Hospital	Miranda	Anderson	1
North Oaks Medical Center	Pam	Ayers	1
Neshoba County Hospital	Tracy	Beasley	1
Pioneer Health - Newton	Wendy	Cooksey	1
MS Baptist Health Systems	Teresa	Ellerbusch	1
River Oaks Hospital	Dean	Evans	1
Lackey Hospital	Gwen	Gilliam	1
Gilmore Memorial Hospital	Lois	Gilliland	1
St Dominic-Jackson	Pam	Graves	1
Hancock Medical Center	Lacey	Grimes	1
Madison River Oaks Hospital	Angela	Hall	1
Crossgates River Oaks	Heather	Holmes	1
Alliance Healthcare	Vicky	Hudson	1
Calhoun Health Services	Juanita	James	1
Neshoba County Hospital	Brenda	Jayroe	1
Univ Hospitals & Clinics -Lexington	Rosalind	McChriston	1
River Oaks Hospital	Carol	Miller	1
Baptist Med Center-Leake	Vicky	Moody	1
Greenwood Leflore Hospital	Monica	Murphy	1
St Dominic-Jackson	Amber	Nesenson	1
Calhoun Health Services	Ruby	Norman	1
Jefferson County Hospital	Linda	O'Quinn	1
MS Dept of Health - Trauma	Judy	Page	1
Pioneer Health - Choctaw	Monette	Pearson	1
North Oaks Medical Center	Lou	Pryor	1
Delta Trauma Care Region	Cherri	Rickels	1
Kings Daughters - Brookhaven	Lee	Robbins	1
Gilmore Memorial Hospital	Joy	Siringer	1
MS Dept of Health - Trauma Nurse	Monica	Springer	1
Baptist Med Center-Leake	Shirley	White	1
Jefferson County Hospital	Ada	Wilson	1
Totals			31

Trauma Registry Software Training Jackson, Mississippi May 9-11, 2012					
Facility	First Name	Last Name	9-May	10-May	11-May
Anderson Regional Medical Center	Claire	Crowe	0	1	1
River Oaks Hospital	Dean	Evans	1	1	0
J.M. Still Burn Center	Heather	Holmes	1	1	1
Delta Regional Medical Center	Amy	Holmes	1	1	1

Anderson Regional Medical Center	Heather	Kyle	0	1	1
Choctaw Heath Center	McMillian	Tarina	1	0	0
Baptist Med Center-Leake	Vicky	Moody	1	1	1
Greenwood Leflore Hospital	Monica	Murphy	1	1	1
Greenwood Leflore Hospital	Martha	Oestreicher	1	1	1
Jefferson County Hospital	Linda	Oquinn	0	1	1
PCMC- Humphrey's	Brantley	Pearson	1	1	1
Kings Daughters -Brookhaven	Lee	Robbins	1	0	0
Tri-Lakes Medical Center	Karen	Sanders	1	1	0
Baptist Med Center-Leake	Shirley	White	1	1	1
Totals			11	12	10

Trauma Center Consultation Visits:

There were no consultation visits during this period.

Trauma Center Inspections:

UMMC Jackson April 25, 2012
 Level I adult Trauma Center

UMMC-Jackson April 26, 2012
 Tertiary Pediatric Trauma Center

Trauma Center Designations:

The following hospitals have received designation as a Level IV adult Trauma Center and Primary Pediatric Trauma Center:

- Hancock Medical Center, Bay St. Louis
- Marion General Hospital, Columbia
- Natchez Community Hospital
- Natchez Regional Hospital
- North Mississippi Medical Center, West Point
- North Oak Regional Medical Center, Senatobia
- Patients' Choice Medical Center of Humphreys County, Belzoni
- Perry County General Hospital, Richton
- Pioneer Community Hospital, Aberdeen

Currently, the system is comprised of:

- Three (3) Level I Trauma Centers (UMMC, Jackson; Regional Medical Center, Memphis; University of South Alabama, Mobile);
- Four (4) Level II Trauma Centers (North Mississippi Medical Center, Tupelo; Forrest General Hospital, Hattiesburg; Memorial Hospital of Gulfport, Gulfport; Singing River Hospital, Pascagoula);

- Thirteen (13) Level III Trauma Centers; and
- Sixty (63) Level IV Trauma Centers.

Mississippi Trauma Advisory Committee (MTAC) Activities:

MTAC held its quarterly meeting on May 16, 2012 in the Cobb Auditorium:

- The Rules and Regulations sub-committee reviewed submitted numerous rules for changes as well as one new rule:
 - Rule 1.4.3 Trauma Registrars – Trauma centers must have sufficient staffing to ensure submissions are accurate and on-time.
 - The sub-committee also recommended a new consolidated Essentials and Desirables (E&D) Chart for equipment at each level of adult Trauma Center and Pediatric Trauma Center. The chart will be maintained on the MSDH Trauma website.
- MTAC requested a report from both the MEMSIS and Trauma Registry User Committees on the integration of MEMSIS data with the Trauma Registry.

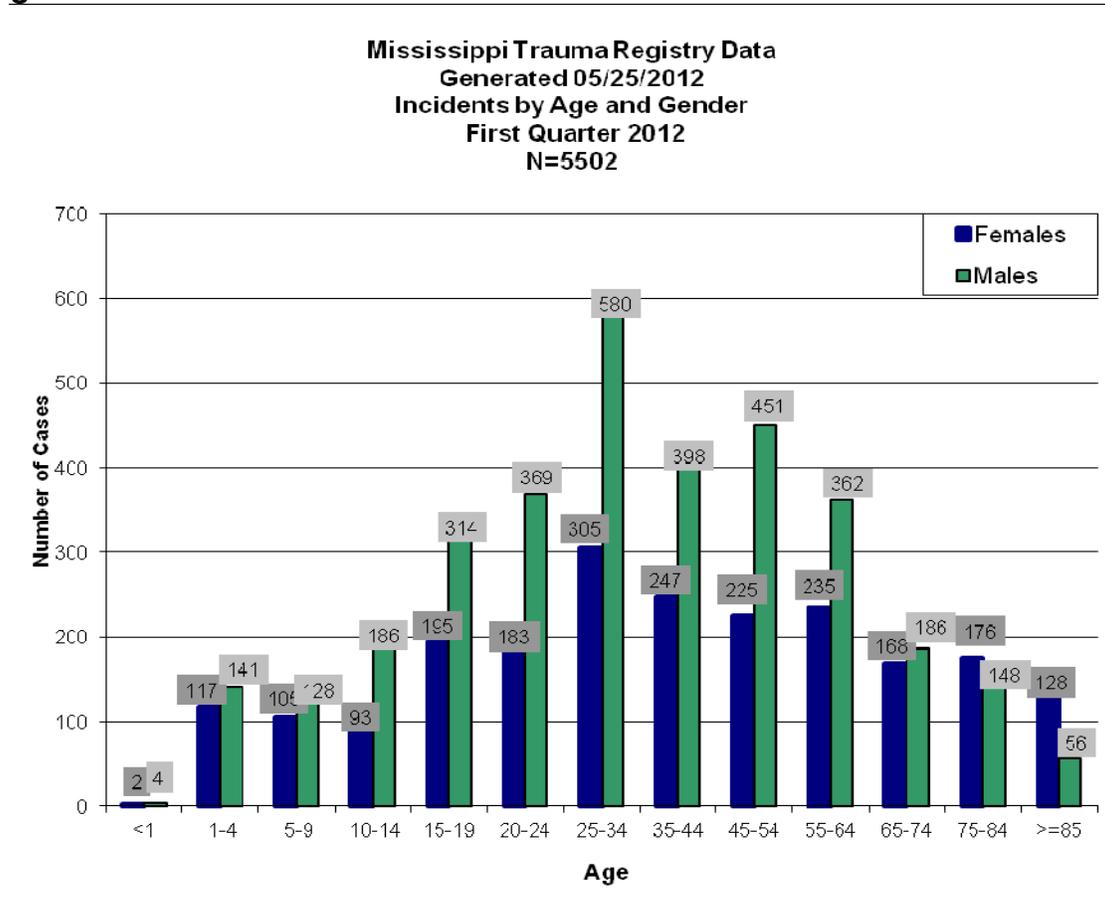
Trauma Data:

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

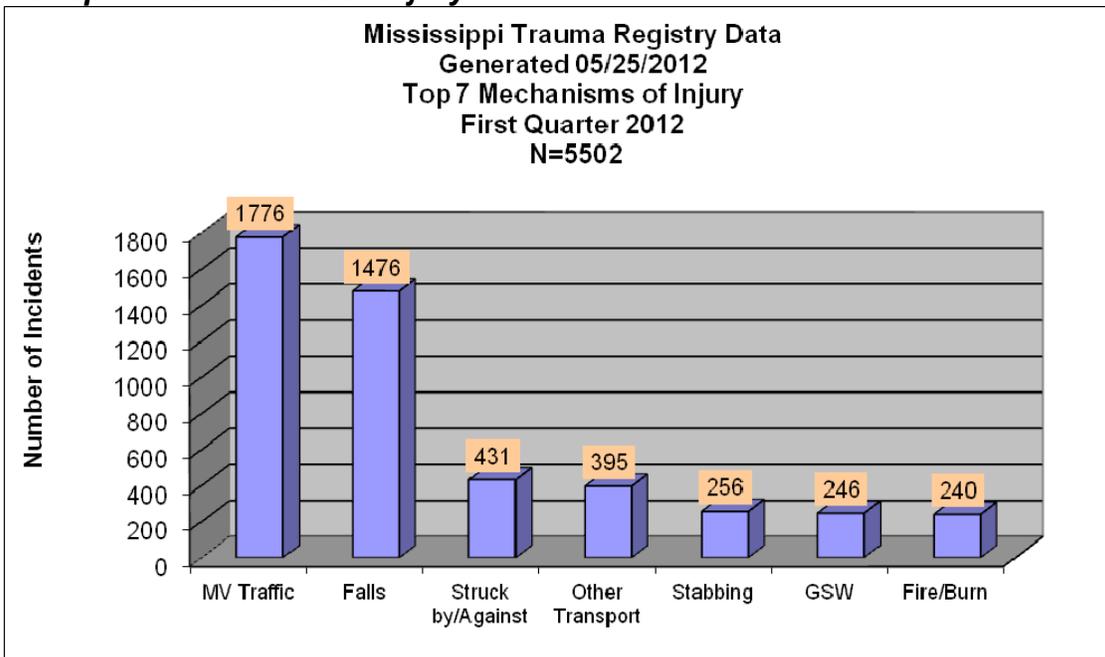
**Mississippi Trauma Registry Data
 Injury Severity Score Summary for Level I to Level III Hospitals
 Generated 05/25/2012
 First Quarter 2012
 N = 4108**

Facility	Site ID	ISS 1-9	ISS 10-15	ISS 16-24	ISS>24	Total Patients
Anderson Regional Medical Center-North	237	67	13	11	3	94
Baptist Memorial Hospital-North Miss.	228	51	6	7	2	66
Baptist Memorial Hospital-GoldenTriangle	253	285	8	6	3	302
Baptist Memorial Hospital-Desoto	318	183	7	7	0	197
Biloxi Regional Medical Center	299	82	1	7	6	96
Delta Regional Medical Center	189	42	3	2	0	47
Forrest General Hospital	141	589	51	45	18	703
J.M. Still Burn Center, Brandon MS	903	84	1	2	0	87
Magnolia Hospital	248	52	3	6	1	62
Memorial Hospital at Gulfport	28	138	12	17	5	172
North MS Medical Center-Tupelo	63	255	19	52	20	346
Ocean Springs Hospital	390	52	2	3	3	60
Oktibbeha County Hospital	269	25	3	2	1	31
Regional Medical Center at Memphis	900	55	22	25	22	124
River Oaks Hospital, Inc.	297	40	1	3	0	44
Rush Foundation Hospital	59	88	6	3	3	100
Singing River Hospital	39	81	4	4	1	90
South Central Regional Medical Center	153	208	8	10	4	230
Southwest Mississippi Regional Medical C	251	111	8	10	2	131
Univ of South Alabama Medical Center	914	48	13	6	9	76
University Medical Center	199	761	108	101	80	1050
Total		3297	299	329	183	4108

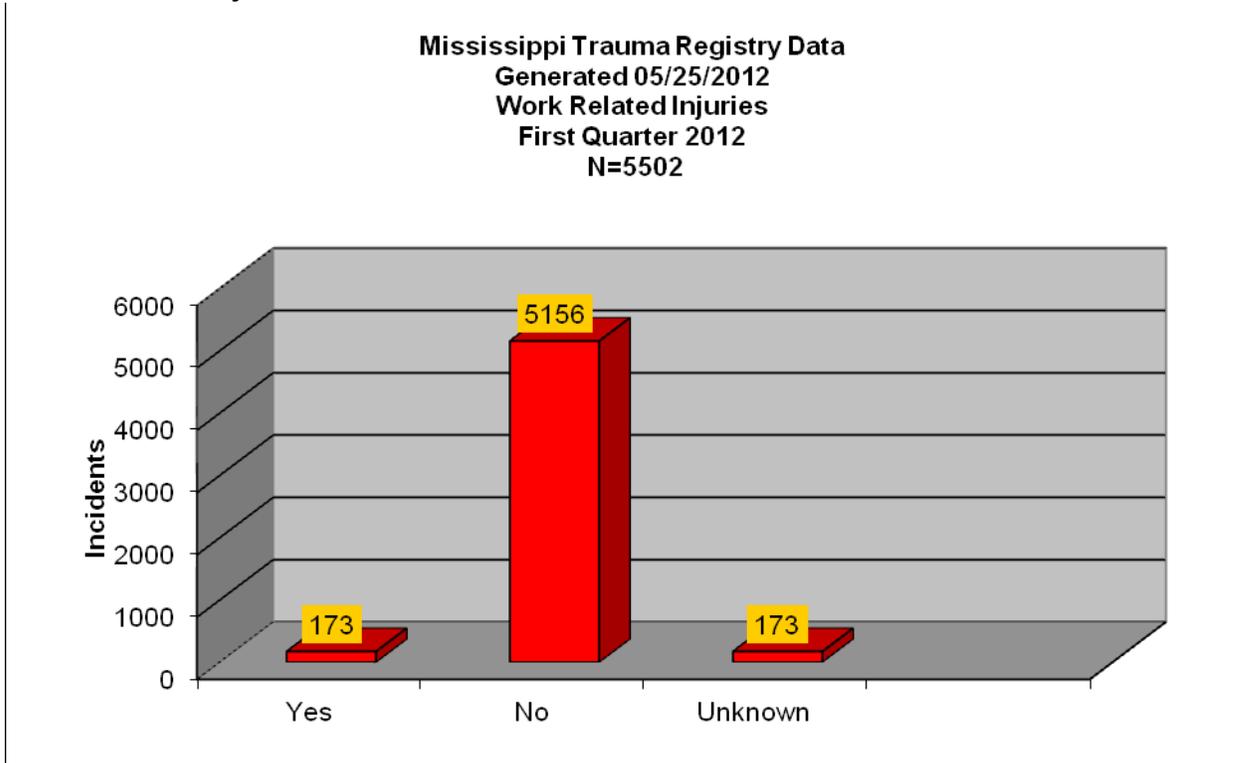
Age and Gender



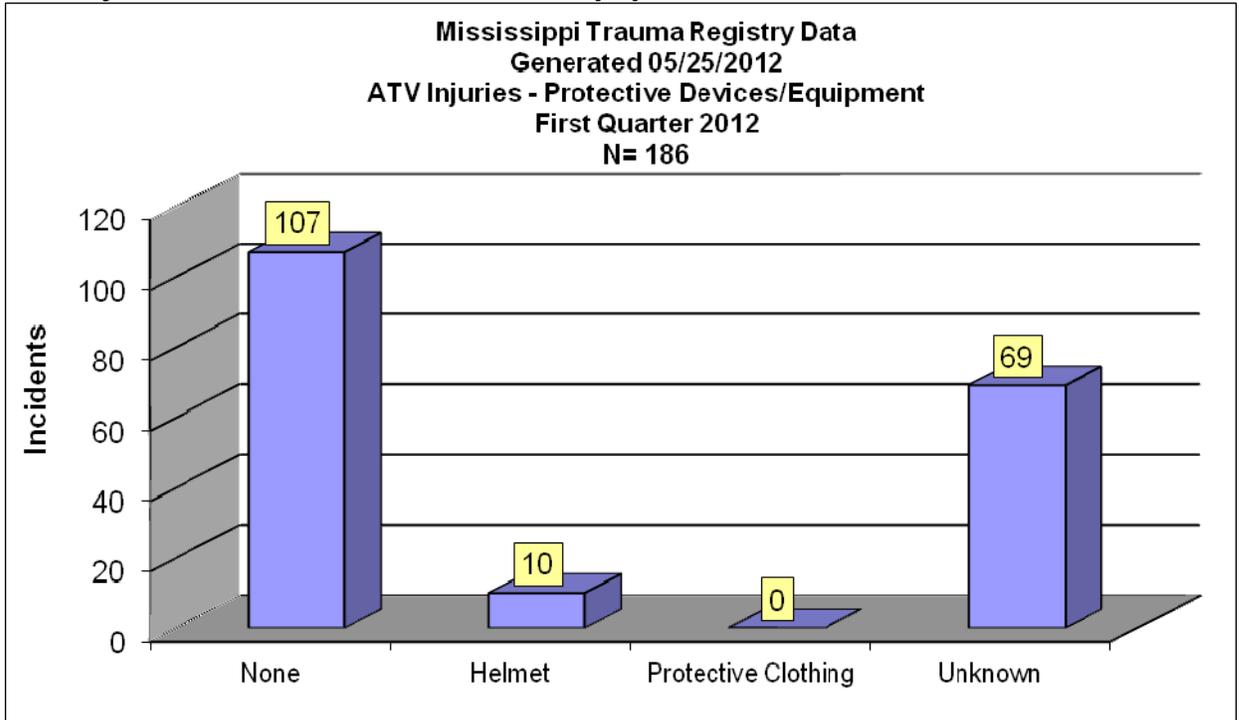
The top 7 mechanisms of injury



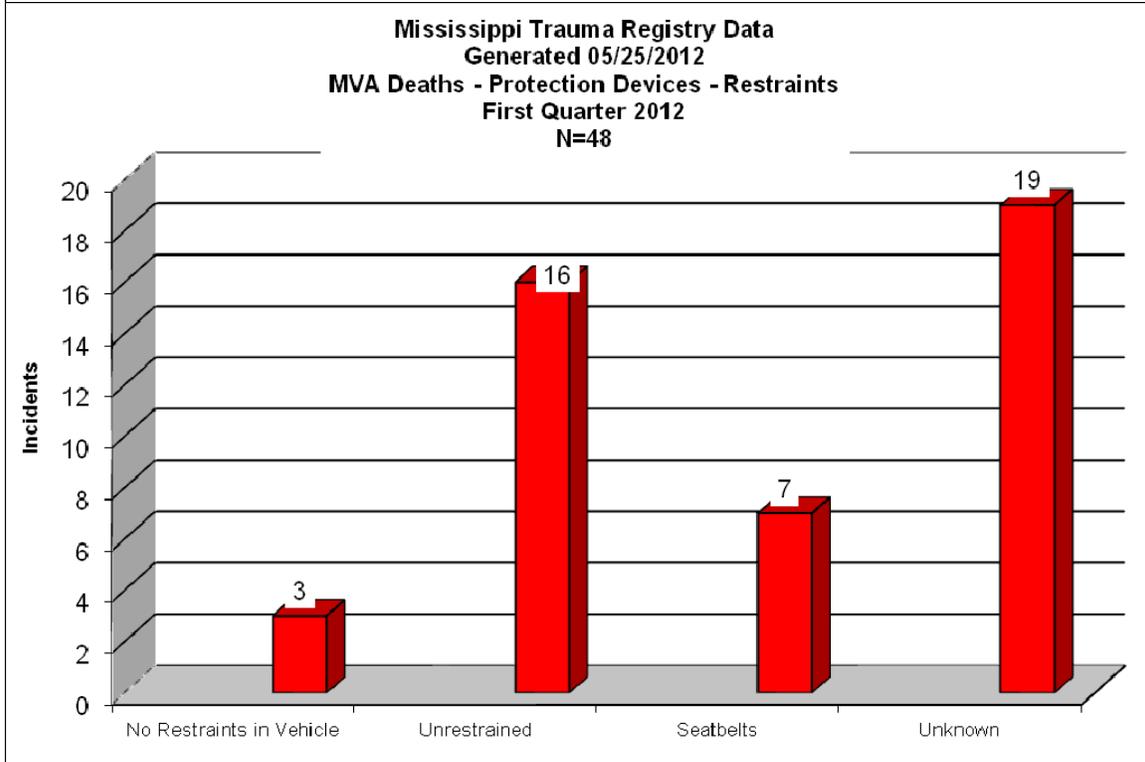
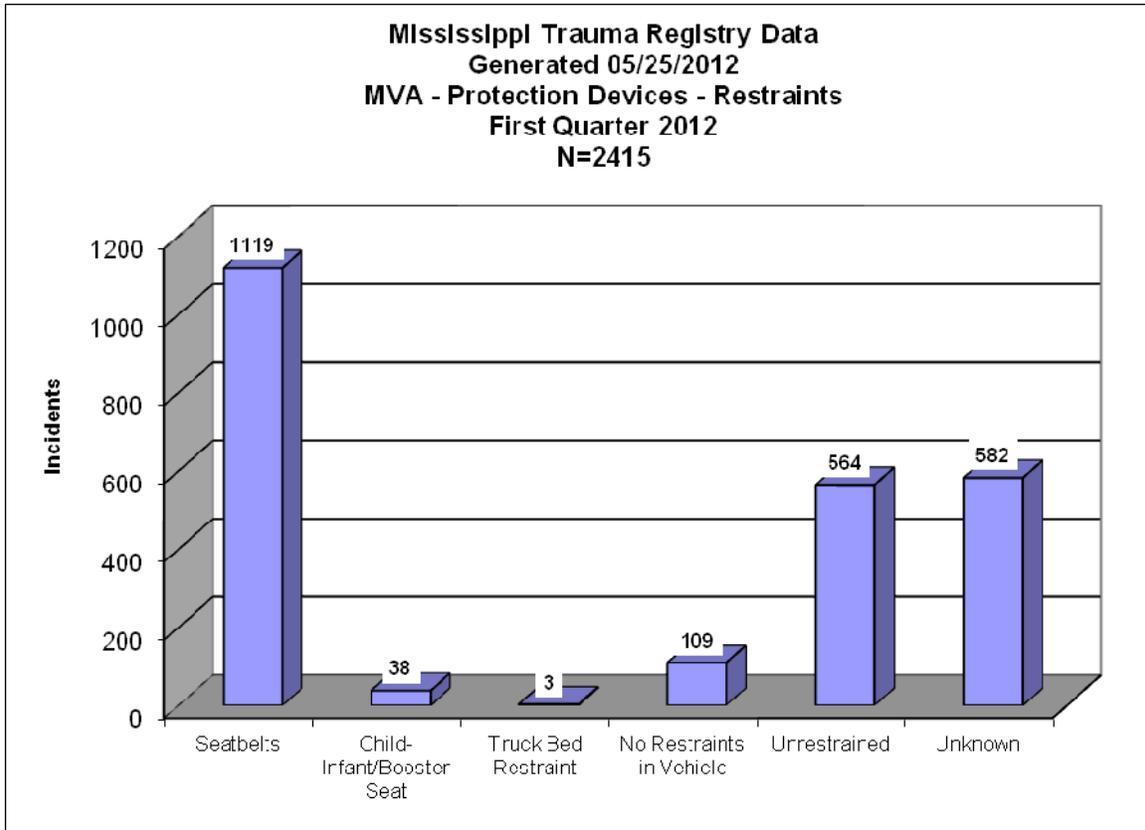
Work related injuries



ATV injuries with Protective Devices/Equipment



MVA with and without restraints



Performance Improvement (PI) Program:

The State Trauma PI Committee has been restructured into the State PI Committee. Mr. Bill Oliver will be the State PI Coordinator and co-chair of the individual PI sub-committees: Trauma, STEMI, and eventually, Stroke.

Trauma PI Sub-committee activities:

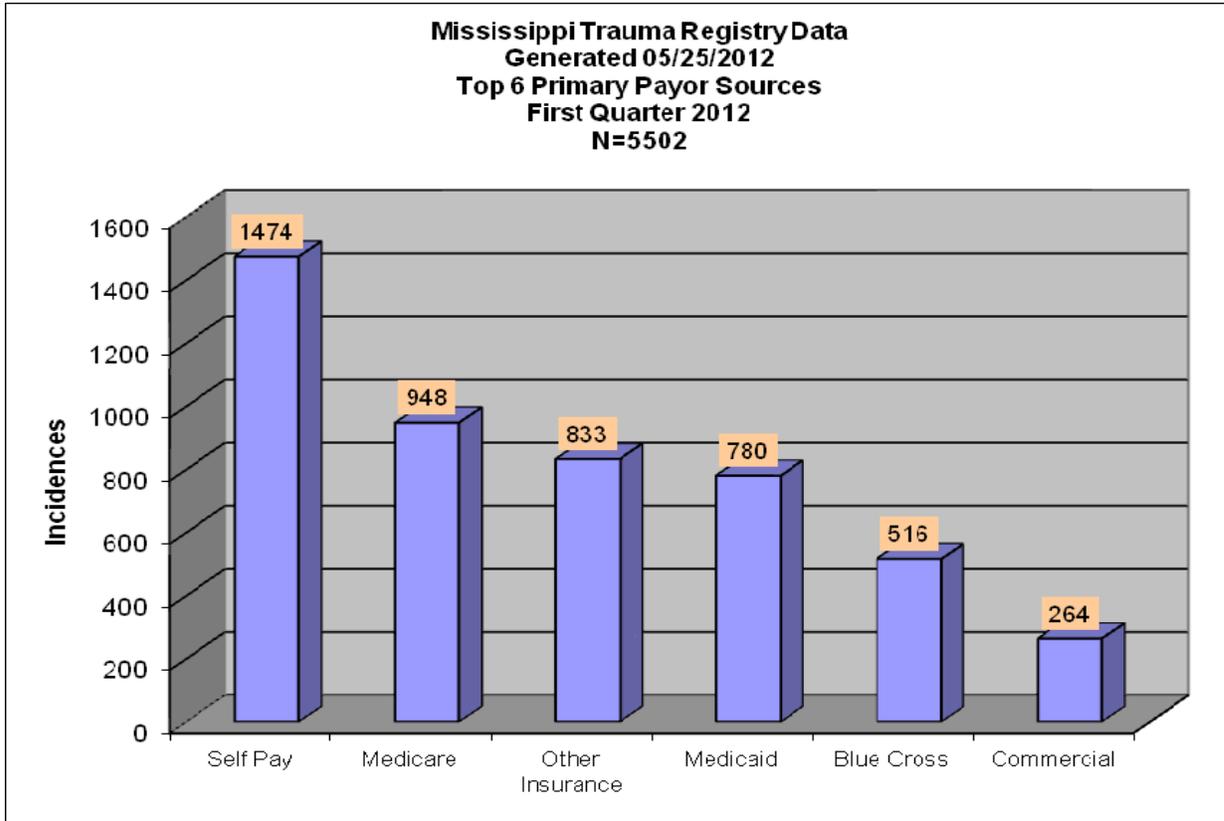
Dr. John Porter has been selected as the chairman of the Trauma Sub-committee, replacing Dr. Frank Ehrlich. Meetings are being held bi-monthly (odd numbered months) instead of semi-annually.

- The sub-committee met on March 13 and May 22, 2012.
- Discussion items relating to system performance:
 - EMS arrival at scene to departure to ED (scene time) should be less than 15 minutes, excluding extrications.
 - A maximum of 24 hours for the hospital to receive an EMS run sheet.
 - Appropriate use of CT at Level IV and III centers prior to transfer.
 - Deaths occurring at receiving hospitals after transfer.
 - Unexpected death where the patient should have survived (TRISS > .5).
 - ED Length of Stay in Level III/IV centers prior to transfer should be less than 130 minutes.
 - Transfer of pediatric Alpha trauma patients to Tertiary Pediatric Trauma Centers.

STEMI PI Sub-committee activities:

The Mississippi Health Care Alliance (MHCA) is soliciting nominations from their membership to fill the positions on the STEMI System Advisory Committee (counterpart to MTAC) and the STEMI PI Sub-committee. Appointments will be announced at the MHCA statewide meeting in August, 2012.

Financial Data:



Trauma Care Trust Fund:

Fund Total – March 1, 2012 \$11,006,011

Month	Moving Violations	Interest	Tag Fee	ATV/ Motorcycle Fee	Play or Pay/ Other	Total Collected
March	\$931,961	\$2,763	\$973,692	\$51,250		\$1,959,666
April	680,307	3,880	1,111,120		\$18,509	1,813,816
May	831,246	4,479	887,792	178,757		1,902,274
Total	\$2,443,514	\$11,122	\$2,972,604	\$230,007	\$18,509	\$5,675,756

Fund Sub-total – May 31, 2012 \$16,681,767

Spring TCTF Distribution - \$14,500,000

FY13 Region Contracts - \$ 1,719,825

Obligated for Fall TCTF Distribution \$ 461,942