



System Report

September 1 - November 30, 2012

**Data Period - Third Quarter 2012
(July-August-September)**

Mississippi Trauma Care System

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

Prepared for:

Mississippi State Board of Health

November 30, 2012

Introduction

The goal of the Mississippi Trauma Care System is to deliver the **right** patient to the **right** hospital the **first** 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 October 31, 2012				
Last Name	First Name	Region	Facility	Total
Alford	Ginger	EC	Rush Foundation Hospital	1
Beasley	Tracy	EC	Neshoba County General	1
Cowart	Amie	Delta	Regional Medical Center at Memphis	1
Cox	Betty	Central	Mississippi Baptist Medical Center	1
Evans	Dean	Central	River Oaks Hospital	1
Fitchpatrick	Daphene	Delta	Regional Medical Center at Memphis	1
Graves	Pam	Central	St. Dominic Hospital	1
Gilliland	Melinda	Central	University Medical Center	1
Guthrie	Aleta	Central	University Medical Center	1
Hall	Angie	Central	Madison River Oaks Medical Center	1
Holmes	Amy	Delta	Delta Regional Medical Center	1
Knight	Bobbie	SE	South Central Regional Medical Center	1
Kyle	Heather	EC	Anderson Regional Medical Center	1
Lafayette	Mindy	Delta	Baptist Memorial Hospital-DeSoto	1
Mathis	Sandi	Coastal	Memorial Hospital at Gulfport	1
McGregor	Christy	Central	Central MS Medical Center	1
McManus	Jimmy	SW	Southwest Trauma Care Region-Administrator	1
Montalbano	Robin	SE	Highland Community Hospital	1
Perrigin	Susan	North	North Trauma Care Region-Administrator	1
White	Memree	EC	John C Stennis Memorial Hospital	1
Williams	John	Central	Madison River Oaks Medical Center	1
Wilson	Lisa	Coastal	University of South Alabama Medical Center	1
Windham	Teresa	Delta	Baptist Memorial Hospital-DeSoto	1
Total				23

Trauma Registry Software Training Jackson, Mississippi November 28-30, 2012					
Last Name	First Name	Facility	28-Nov	29-Nov	30-Nov
Albrecht	Michael	Memorial Hospital - Gulfport	1	1	1
Alderson	Carla	Rush Health Foundation Hospital	1	1	1
Alford	Ginger	H.C.Watkins Hospital	1	1	1
Beasley	Tracey	Neshoba County Gen Hosp	1	1	1
Brock	Sheila	Walthall General Hospital	1	1	1
Brown	Sherry	Walthall General Hospital	1	1	1
Butler	Lalitha	Southwest MS Reg Med Ctr	1		
Cohea	Deborah	Kings Daughters - Yazoo City	1	1	
Cooksey	Wendy	Pioneer Community Hospital - Newton	1	1	1
Cox	Betty	MS Baptist Medical Center		1	1
Cupit	Mindy	Franklin County Memorial Hospital	1	1	
Fortenberry	Sherry	Southwest MS Reg Med Ctr	1		
Hall	Angela	Madison River Oaks	1	1	1
Jayroe	Brenda	Neshoba County Gen Hosp	1	1	1
Lafayette	Mindy	Baptist Memorial Hosp- Desoto	1	1	1
Langston	Stephanie	Lawrence County Hospital	1	1	
Laurich	Dale	Southwest MS Reg Med Ctr		1	1
McDaniels	Kim	Field Memorial Hospital	1	1	1
McGregor	Christy	River Oaks Hospital		1	1
Miller	Lisa	Southwest MS Reg Med Ctr	1		
Moore	Daniel	Kings Daughters - Brookhaven	1	1	1
Pearson	Monette	Pioneer Community Hospital - Aberdeen	1	1	1
Perkins	Arnie	Natchez Community Hospital		1	1
Prystupa	Kesha	University Medical Center		1	1
Sanderson	Belinda	Gilmore Memorial Regional Med Ctr	1	1	1
Scott	Marcella	Baptist Memorial Hosp- GT	1	1	1
Shirley	ShyAnn	Rush Health Foundation Hospital	1	1	1
Smith	Barbara	Central MS Medical Center	1	1	1
Smith	Amanda	Lawrence County Hospital	1	1	
Stevens	Courtney	University Medical Center		1	1
Thornton	Julie	Crossgates River Oaks Hospital	1	1	
Williams	John	Madison River Oaks	1	1	1
Woodcock	Billie Jo	Franklin County Memorial Hospital	1	1	
York	Sarah LeAnn	Garden Park Medical Center	1	1	1
Total Users scheduled to attend			28	31	25

Trauma Center Consultation Visits:

Southwest Regional Medical Center, McComb
Level III Trauma Center

September 17, 2012

Singing River Hospital, Pascagoula
Level II Trauma Center

October 1, 2012

Ocean Springs Hospital, Ocean Springs
Level III Trauma Center

October 2, 2012

Trauma Center Inspections:

Le Bonheur Children's Hospital, Memphis, TN
Tertiary Pediatric Trauma Center

October 17, 2012

Trauma Center Designations:

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

- Northwest MS Regional Medical Center, Clarksdale
- Pioneer Community Hospital of Choctaw, Ackerman
- Walthall General Hospital, Tylertown
- Holmes County Hospital and Clinics, Lexington
- Highland Community Hospital, Picayune

Currently, the system is comprised of:

- Three Level I Trauma Centers (UMMC, Jackson; Regional Medical Center, Memphis; University of South Alabama, Mobile);
- One stand-alone Tertiary Pediatric Trauma Center (Le Bonheur Children's Hospital, Memphis);
- One designated Burn Center (J.M. Still Burn Center at Crossgates River Oaks Hospital, Brandon);
- Four Level II Trauma Centers (North Mississippi Medical Center, Tupelo; Forrest General Hospital, Hattiesburg; Memorial Hospital of Gulfport, Gulfport; Singing River Hospital, Pascagoula);
- Fourteen Level III Trauma Centers; and
- Fifty nine Level IV Trauma Centers.

Mississippi Trauma Advisory Committee (MTAC) Activities:

MTAC held its quarterly meeting on November 7, 2012 in the Cobb Auditorium:

- The Rules and Regulations sub-committee is scheduled to meet December 11, 2012 to review/discuss numerous rules for changes:
 - Changes to the Trauma Care Trust Fund formula for EMS providers from a per-capita process to a performance-based process.
 - Changes to the Trauma Care Trust Fund formula for the fixed amount of hospital distribution.
- The next meeting of MTAC is scheduled for January 16, 2013 in the Underwood Auditorium.

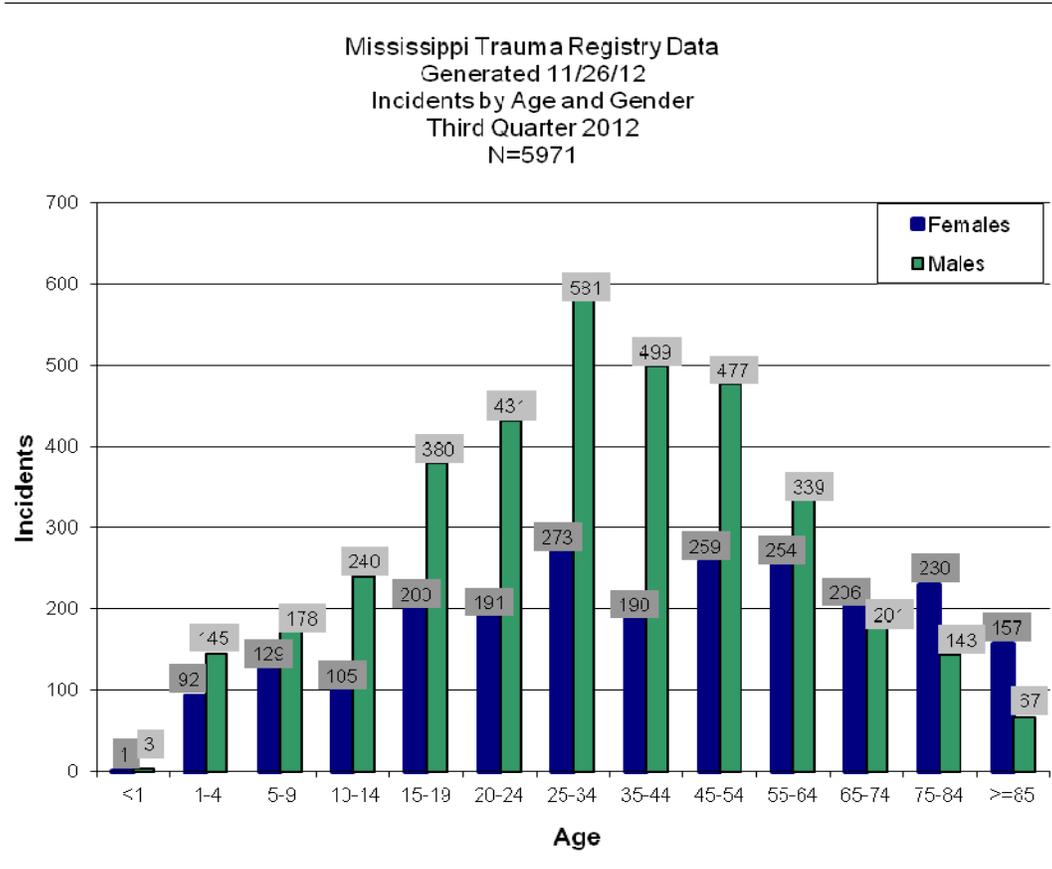
Trauma Data:

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

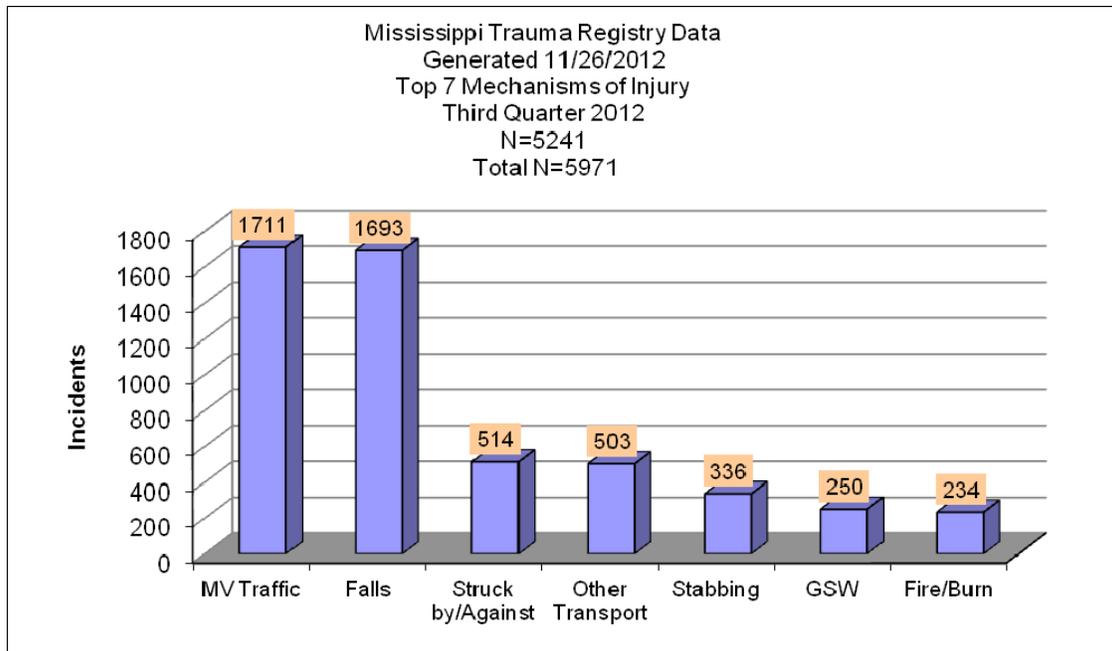
Mississippi Trauma Registry Data						
Injury Severity Score Summary for Level I to Level III Hospitals						
Generated 11/26/2012						
Third Quarter 2012						
N = 4479						

Facility	Site ID	ISS 1-9	ISS 10-15	ISS 16-24	ISS>24	Total Patients
Anderson Regional Medical Center-North	237	82	22	4	5	113
Baptist Memorial Hospital-Desoto	318	363	19	3	2	387
Baptist Memorial Hospital-Golden Triangle	253	305	12	1	0	318
Baptist Memorial Hospital-North Miss.	228	70	11	7	1	89
Biloxi Regional Medical Center	299	62	7	1	2	72
Delta Regional Medical Center	189	73	5	4	0	82
Forrest General Hospital	141	614	82	38	6	740
Garden Park Medical Center	272	14	2	2	2	20
Magnolia Hospital	248	88	10	1	0	99
Memorial Hospital at Gulfport	28	126	27	8	1	162
North MS Medical Center-Tupelo	63	344	40	17	10	411
Ocean Springs Hospital	390	48	4	4	0	56
Oktibbeha County Hospital	269	37	5	0	0	42
Regional Medical Center at Memphis	900	64	14	11	10	99
River Oaks Hospital, Inc.	297	50	6	1	2	59
Rush Foundation Hospital	59	107	12	3	2	124
Singing River Hospital	39	42	5	3	2	52
South Central Regional Medical Center	153	254	8	5	1	268
Southwest Mississippi Regional Medical C	251	130	14	6	4	154
Univ of South Alabama Medical Center	914	62	11	9	4	86
University Medical Center	199	773	139	81	53	1046
Total		3708	455	209	107	4479

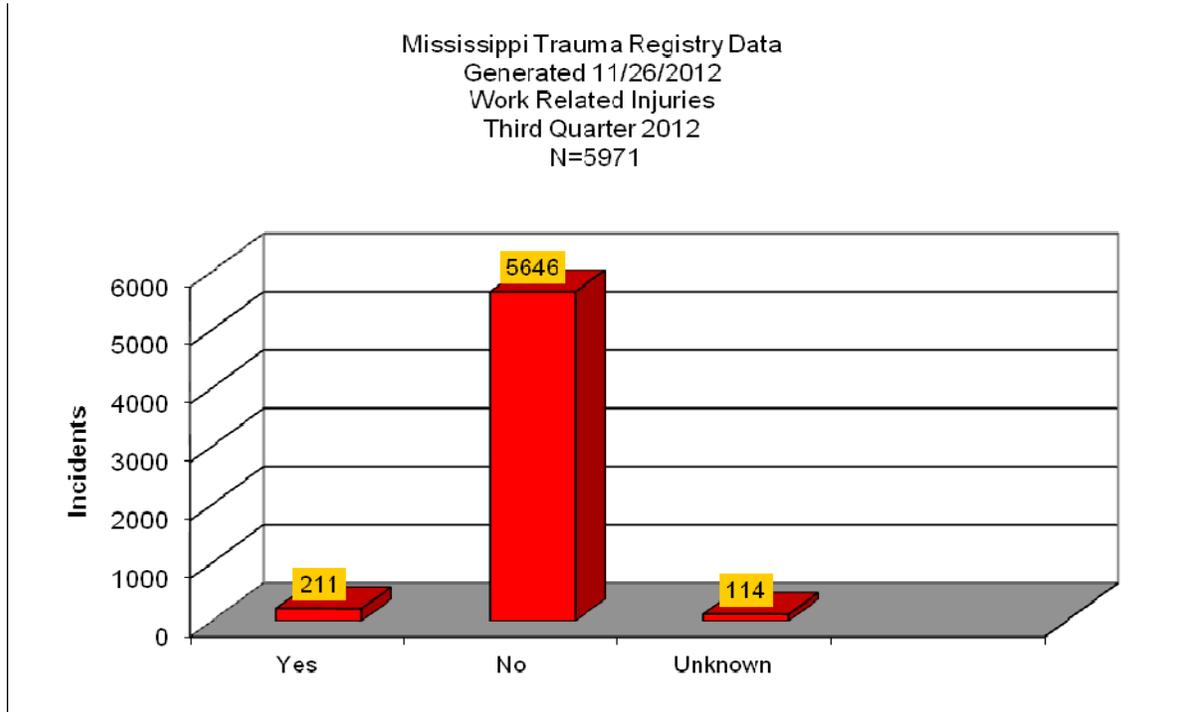
Age and Gender



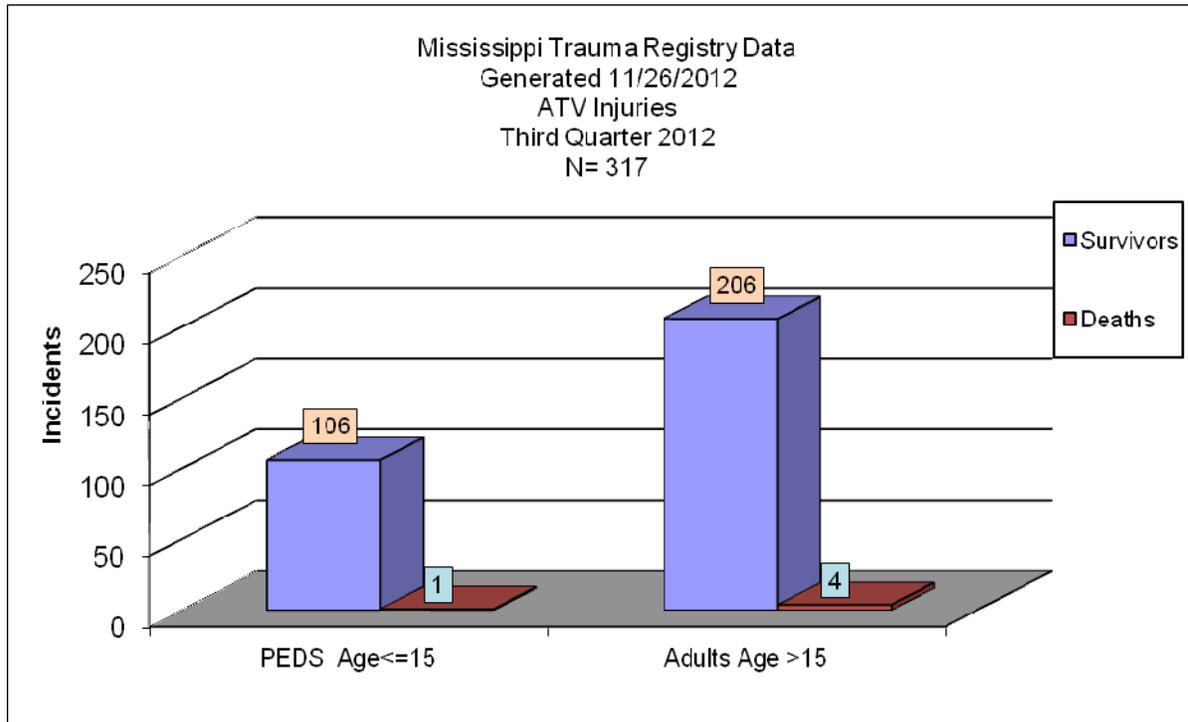
The top 7 mechanisms of injury



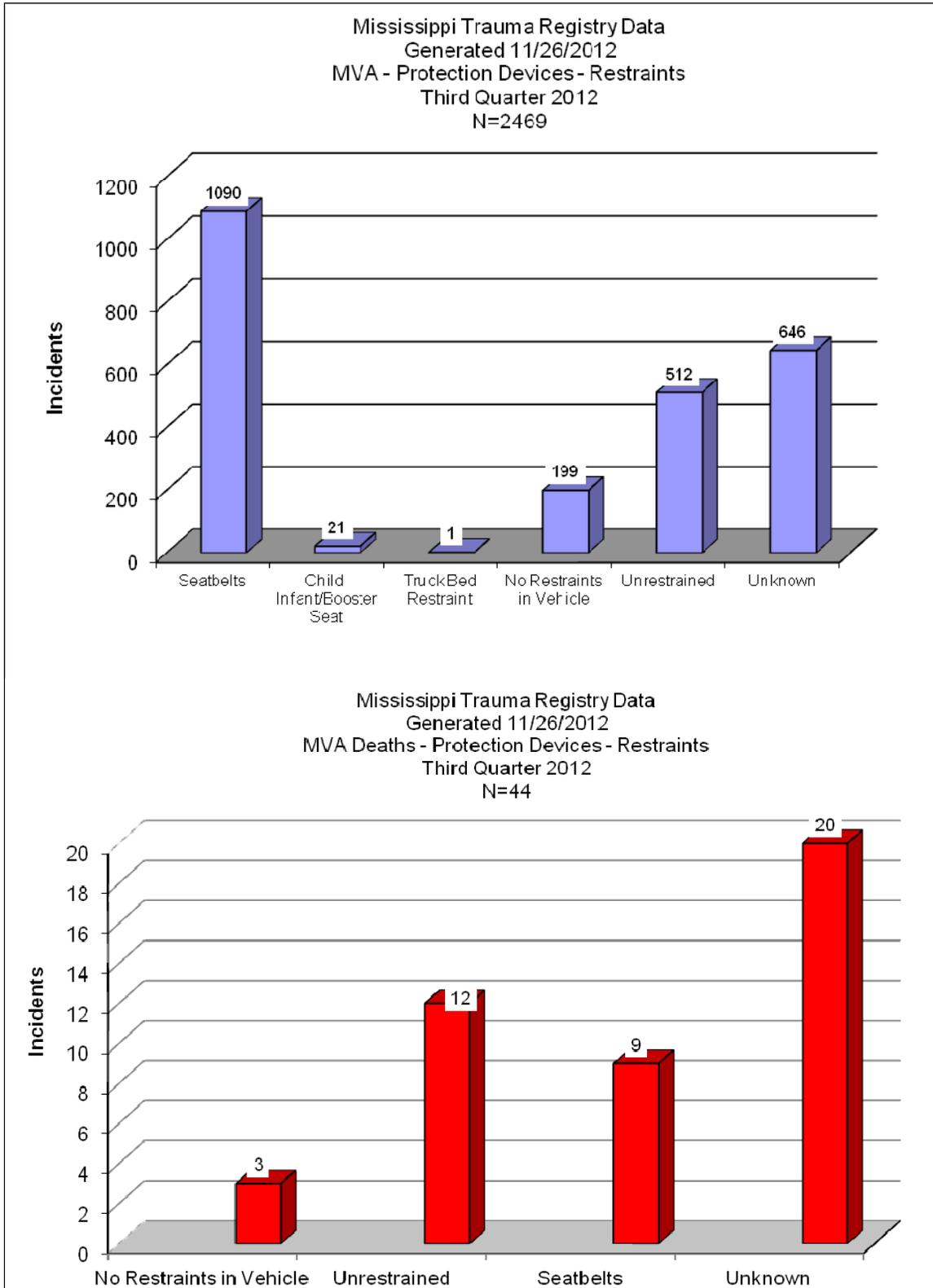
Work related injuries



ATV injuries and Deaths



MVA with and without restraints



Performance Improvement (PI) Program:

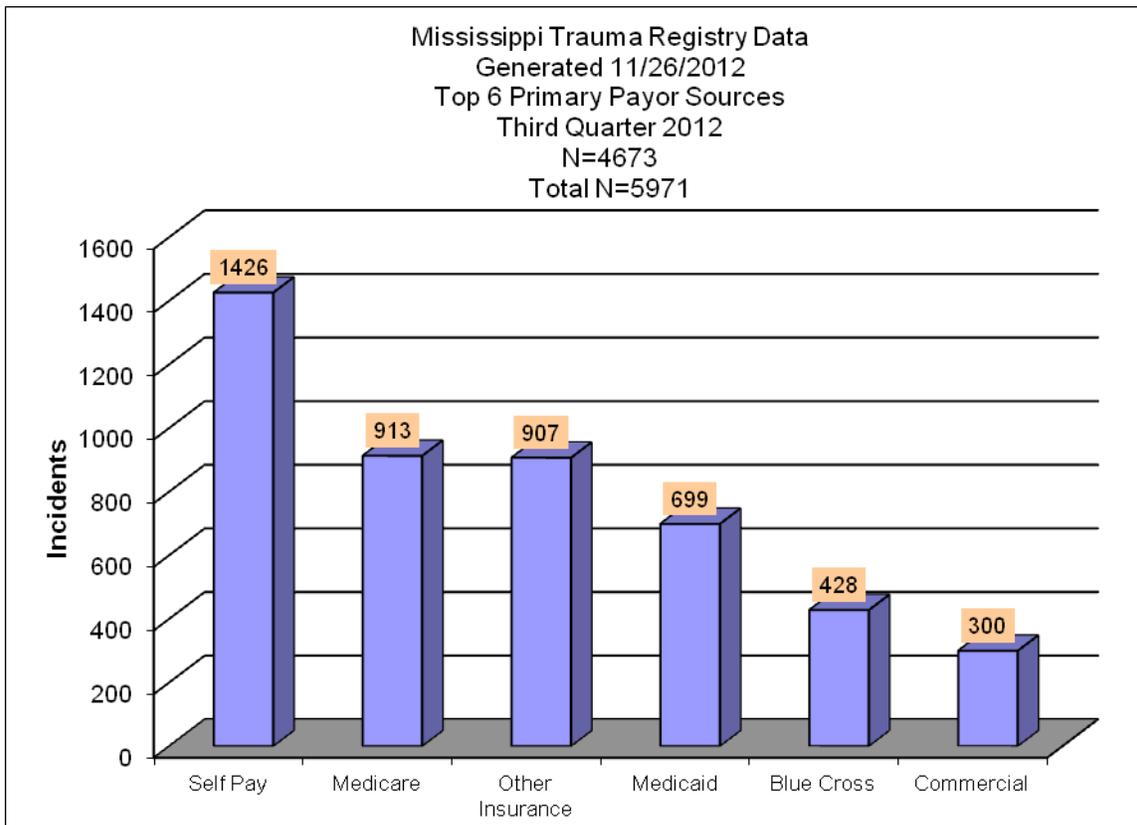
Trauma PI Sub-committee activities:

- The sub-committee met on October 24, 2012. The next meeting is tentatively scheduled for late January, 2013.
- 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.
- The sub-committee has made the following evidence-based general conclusions:
 - The Trauma System is working as designed. The use of the required Activation Criteria and Destination Guidelines has had a positive impact on the system.
 - EMS and Level IV Trauma Centers are doing an exceptional job of rapidly delivering/transferring trauma patients to appropriate levels of care.
 - Deaths are occurring at the appropriate level of trauma center.
 - Diagnostic tests being performed prior to transfer are appropriate.

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.

Financial Data:



Trauma Care Trust Fund:

Fund Total – August 31, 2012

\$ 4,105,637

Month	Moving Violations	Interest	Tag Fee	ATV/ Motorcycle Fee	Play or Pay/ Other	Total Collected
September	\$452,367	\$3,660	\$968,712	\$80,880		\$1,505,619
October	768,983	3,585	939,680	71,950		1,784,198
November	375,011	No Report	864,512	No Report		1,239,523
Total	\$1,596,361	\$7,245	\$2,772,904	\$152,830		\$4,529,340

Fund Sub-total – November 30, 2012

\$ 8,634,977

Obligated for Fall TCTF Distribution

\$ 8,634,977