



System Report

June 1, 2013 – August 31, 2013

**Data Period - Second Quarter 2013
(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 30, 2013

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 July 24, 2013				
Last Name	First Name	Region	Facility	Total
Moody	Vicky	Central	Baptist Medical Center - Leake	1
Lafayette	Mindy	Delta	Baptist Memorial Hospital - Desoto	1
Holmes	Amy	Delta	Delta Regional Medical Center	1
Basye	Janet	Southeast	Forrest General Hospital	1
Sanderson	Belinda	North	Gilmore Memorial	1
Mathis	Sandra	Coastal	Memorial Hospital at Gulfport	1
Cox	Betty	Central	MS Baptist Medical Center	1
Creekmore	Robert	Delta	North Oaks Regional Medical Center	1
Johnson	Sean	North	Pioneer Community Hospital of Aberdeen	1
Miller	Carol	Central	River Oaks Hospital	1
Jones	Candance	Central	University of Mississippi Medical Center	1
Total Users Attended				11

Trauma Registry Software Training Jackson, Mississippi Aug 7-9, 2013						
Last Name	First Name	Region	Facility	Day 1 Aug 7	Day 2 Aug 8	Day 3 Aug 9
Heather	Kyle	East Central	Anderson Regional Medical Center			1
Janet	Terrell	East Central	Anderson Regional Medical Center	1	1	
Emily	Carwyle	North	Baptist Memorial Hosp - North	1	1	
Patrick	Quave	Coast	Biloxi Regional Medical Center		1	1
Fern	Martin	Southwest	Claiborne County Hospital	1		
Kevin	Keaton	Southwest	Claiborne County Hospital	1		
Belinda	Sanderson	Delta	Gilmore Memorial Reg Medical Center	1		
Heather	McLain	Southeast	Greene County Hospital	1	1	
Geri	Rowe	Central	J.M. Still Burn Center	1	1	1
Stacey	Westberry	Central	J.M. Still Burn Center	1	1	1
Linda	O'Quinn	Central	Jefferson County Hospital	1	1	1
John	Wolftrum	Central	Magee General Hospital	1	1	

David	Albritton	North	Marion General Hospital	1	1	
Tony	Rucker	Central	Montfort Jones Memorial Hosp	1	1	
Arnold	Perkins	Southwest	Natchez Community Hospital		1	
Shannon	Russ	Southwest	Natchez Community Hospital		1	
Brenda	Jayroe	East Central	Neshoba General Hospital	1	1	1
Tracy	Beasley	East Central	Neshoba General Hospital	1	1	1
Robert	Creekmore	Delta	North Oak Regional Medical Center	1	1	
Terrell	Adcox	Southeast	Pearl River		1	1
Scarlett	Robison	Delta	Quitman County Hospital	1	1	
Tammy	Williams	Delta	Regional Medical Center	1	1	1
Carol	Miller	Central	River Oaks Hospital	1	1	1
Shyann	Shirley	East Central	Rush Foundation Hospital			1
Whitney	Underwood	Southeast	Stone County Hospital	1	1	
Shannon	Farmer	Delta	Tyler Holmes Memorial Hospital		1	
Sharon	Henrikson	Central	University Medical Center	1	1	
Linda	Pennington	Southeast	Wesley Medical Center	1	1	1
Total Users Attended				21	23	12

Trauma Center Consultation Visits:

June 4, 2013 Anderson Regional Medical Center, Meridian
 June 5, 2013 Rush Foundation Hospital, Meridian
 August 7, 2013 Magnolia Regional Medical Center, Corinth
 August 21, 2013 BMH-Desoto, Southaven

Trauma Center Inspections:

June 20, 2013 Memorial Hospital of Gulfport - Level II Trauma Center
 July 16, 2013 Anderson Regional Medical Center, Meridian – Level III
 Trauma Center

Trauma Center Designations:

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

- Tyler Holmes Memorial Hospital, Winona
- St. Dominic – Jackson Memorial Hospital, Jackson

The Level IV Trauma Center designation for Patient's Choice-Humphrey's County, Belzoni was suspended July 31, 2013 due to the loss of Emergency Department capability. The hospital was subsequently closed on August 23, 2013.

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);
- Fifteen Level III Trauma Centers; and
- Fifty-nine Level IV Trauma Centers.

Mississippi Trauma Advisory Committee (MTAC) Activities:

MTAC held its quarterly meeting on July 24, 2013 in the Cobb Auditorium:

- MTAC recommended the addition of Pre-Hospital Air Medical Transport Guidelines to the existing Consolidated Trauma Activation Criteria and Field Destination Guidelines. These guidelines will be presented to the Board of Health at their October meeting for adoption.
- Winston County moved from the East Central Trauma Care Region to the Central Mississippi Trauma Care Region effective July 1, 2013.
- The next meeting of the MTAC Rules and Regulations/Functionality Sub-Committees is scheduled for September 10, 2013.
- The Trauma Registry Sub-committee met on August 27, 2013. The committee is reviewing the Trauma Registry Inclusion Criteria as well as the data fields currently in use in the Trauma Registry.
- The meeting of MTAC scheduled for October 16, 2013 has been cancelled. MTAC will be conducting a Strategic Planning Conference in November.

Trauma Data:

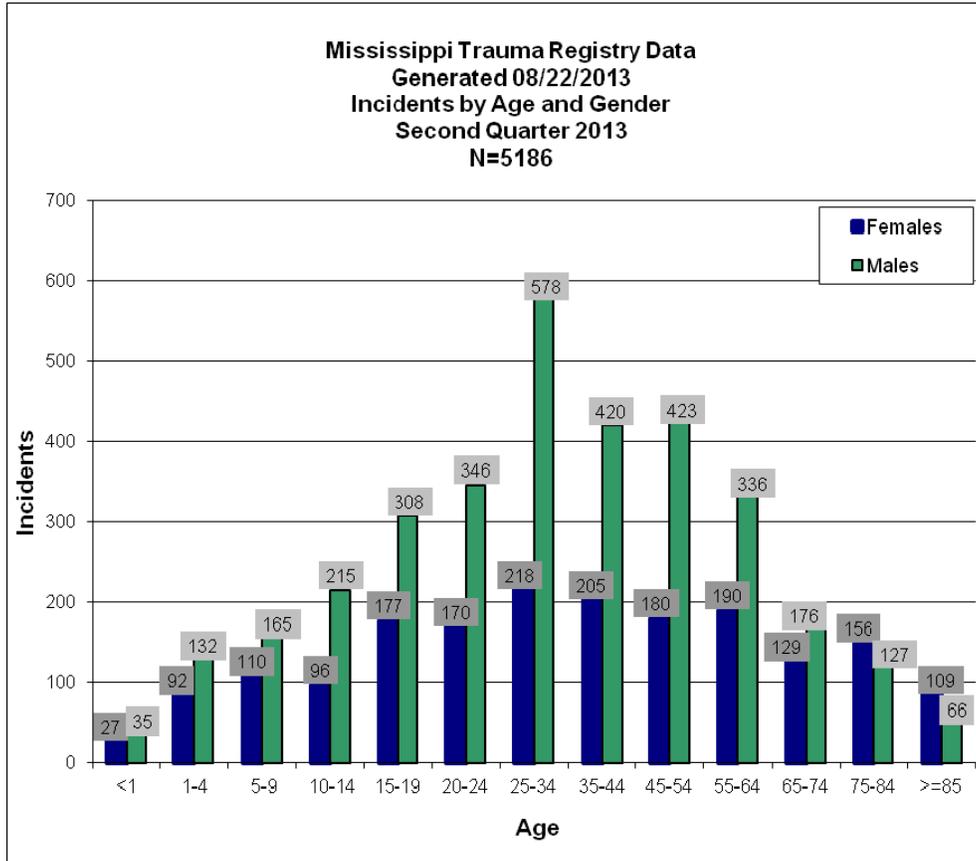
Injury Severity Score (ISS) Summary for Level I-III Trauma Centers

Mississippi Trauma Registry Data
Injury Severity Score Summary for Level I to Level III Hospitals
Generated 08/22/2013
Second Quarter 2013
N = 4016

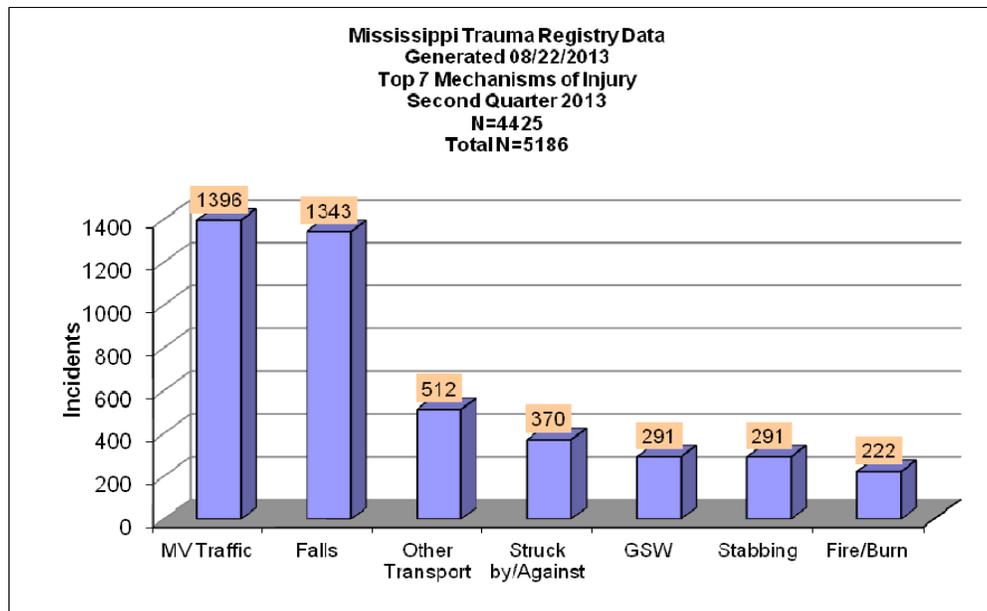
Facility	Site ID	ISS 1-9	ISS 10-15	ISS 16-24	ISS>24	Total Patients
Anderson Regional Medical Center-North	237	60	19	14	7	100
Baptist Memorial Hospital-Desoto	318	292	16	5	0	313
Baptist Memorial Hospital-GoldenTriangle	253	269	9	4	2	284
Baptist Memorial Hospital-North Miss.	228	65	8	4	2	79
Biloxi Regional Medical Center	299	41	8	3	0	52
Central MS Medical Center	240	65	3	1	0	69
Delta Regional Medical Center	189	104	8	3	1	116
Forrest General Hospital	141	404	49	36	4	493
Garden Park Medical Center	272	86	7	4	2	99
LeBonheur Children's Medical Center	901	120	22	6	5	153
Magnolia Hospital	248	80	9	0	1	90
Memorial Hospital at Gulfport	28	157	27	12	2	198
North MS Medical Center-Tupelo	63	292	42	12	12	358
Ocean Springs Hospital	390	53	4	3	0	60
Oktibbeha County Hospital	269	50	1	2	0	53
Regional Medical Center at Memphis	900	57	8	10	3	78
River Oaks Hospital, Inc.	297	69	5	1	0	75
Rush Foundation Hospital	59	65	17	4	2	88
Singing River Hospital	39	81	6	8	2	97
South Central Regional Medical Center	153	88	15	3	2	108
Southwest Miss Regional Medical Center	251	153	12	3	2	170
Univ of South Alabama Medical Center	914	62	14	10	4	90
University Medical Center	199	577	121	62	33	793
Total		3290	430	210	86	4016

****Does not include 1170 patients treated at Level IV Trauma Centers.***

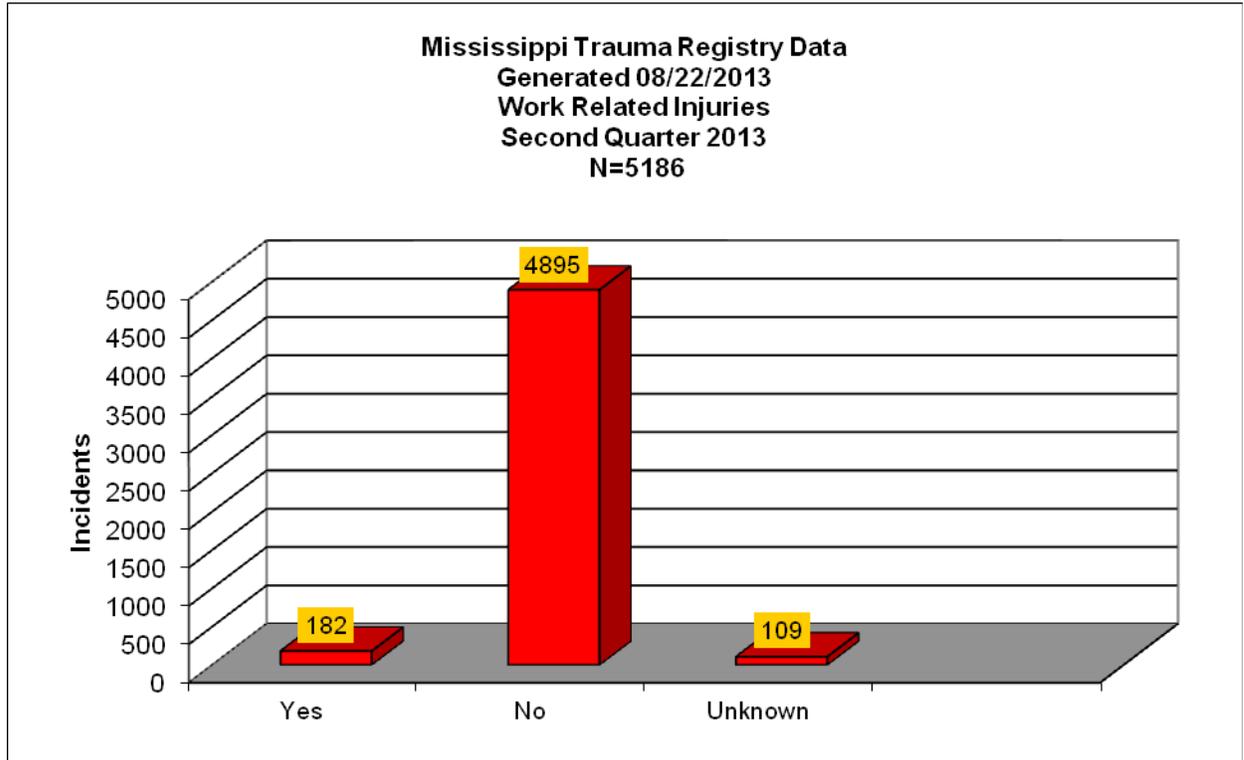
Age and Gender



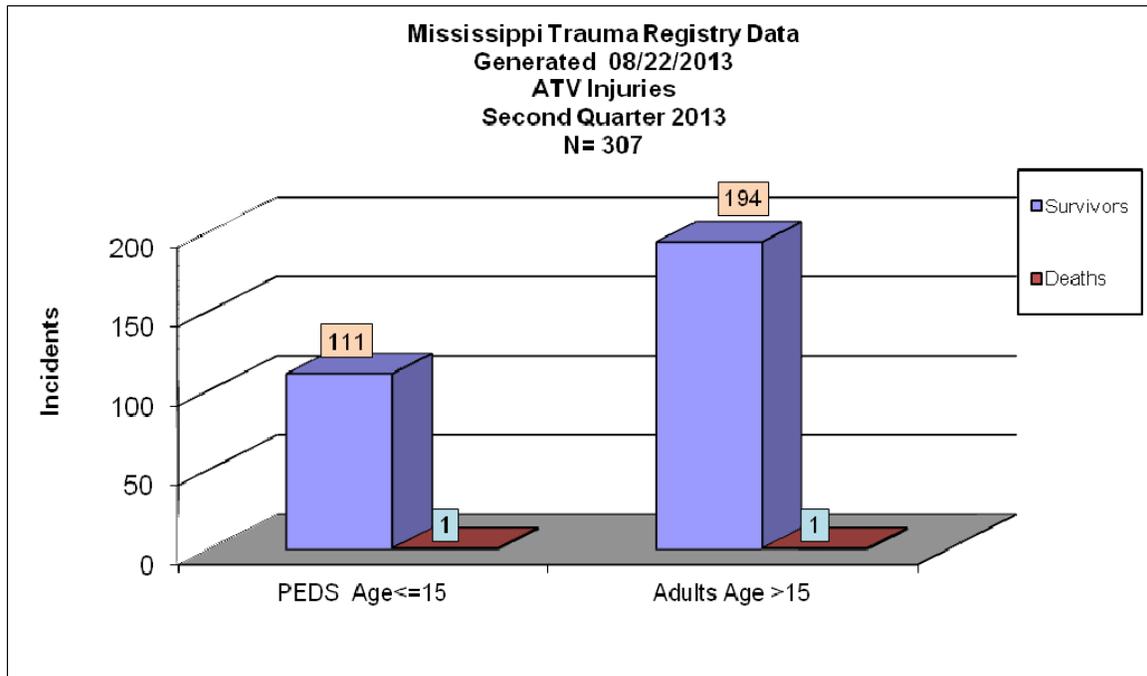
The top 7 mechanisms of injury



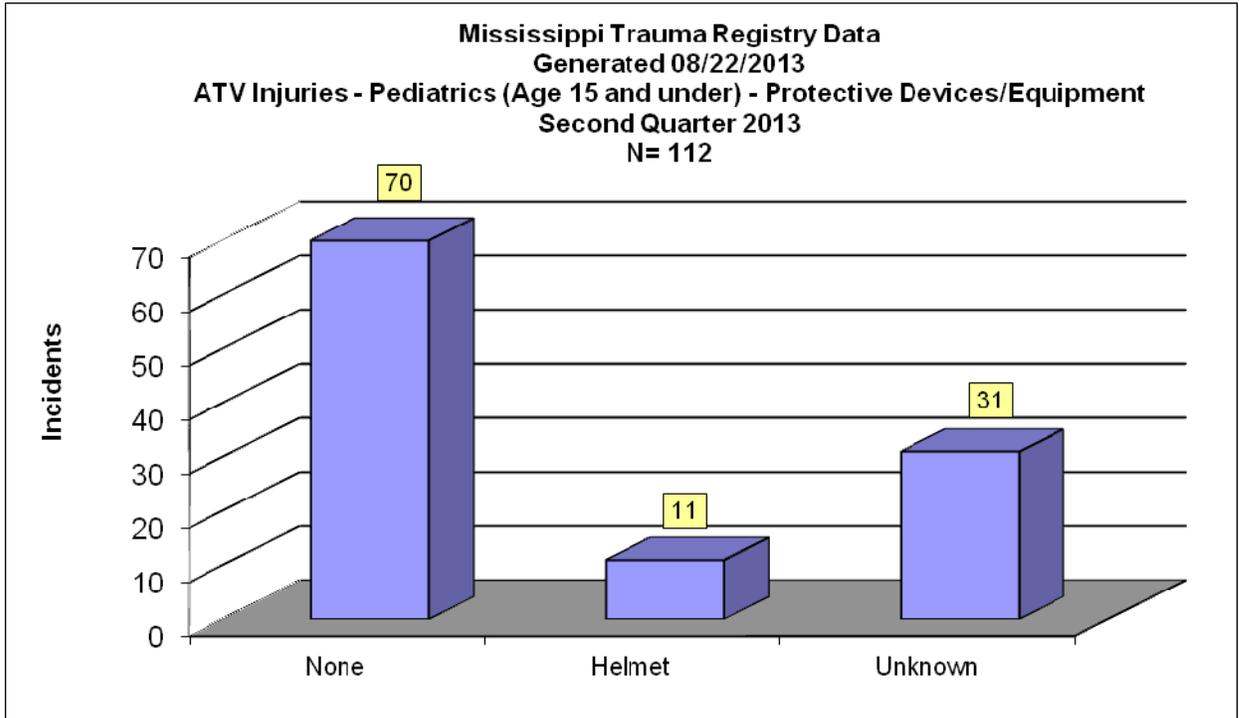
Work related injuries



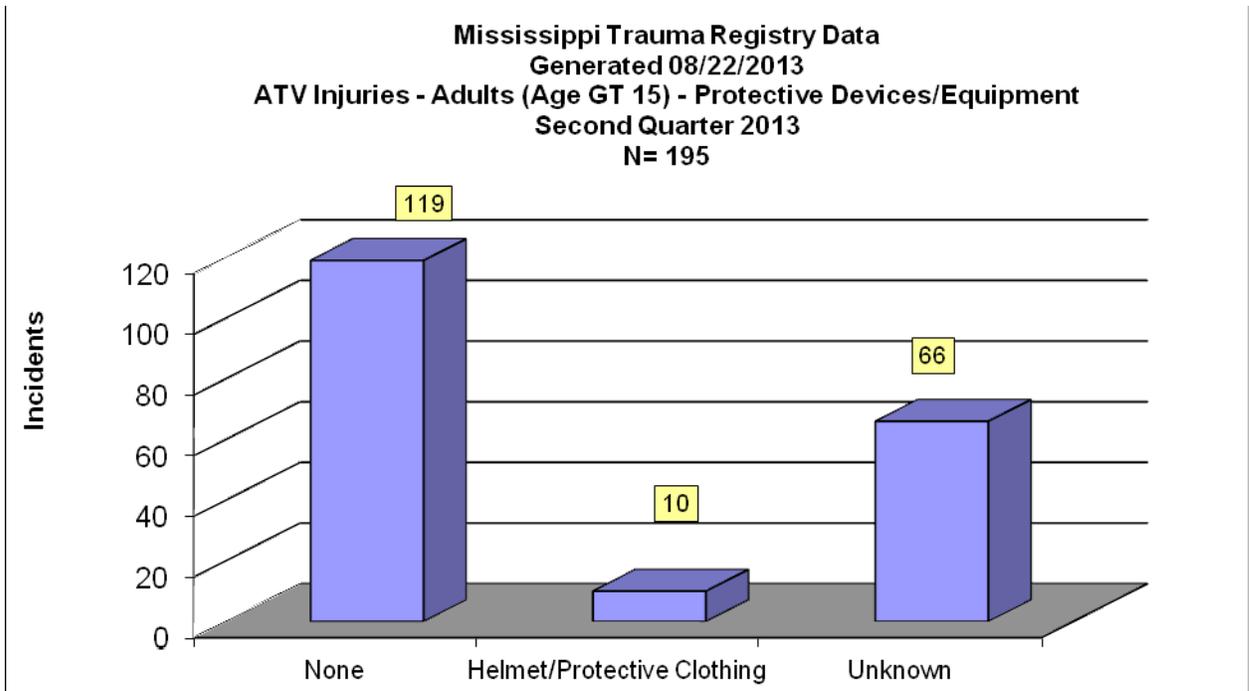
ATV Injuries and Deaths



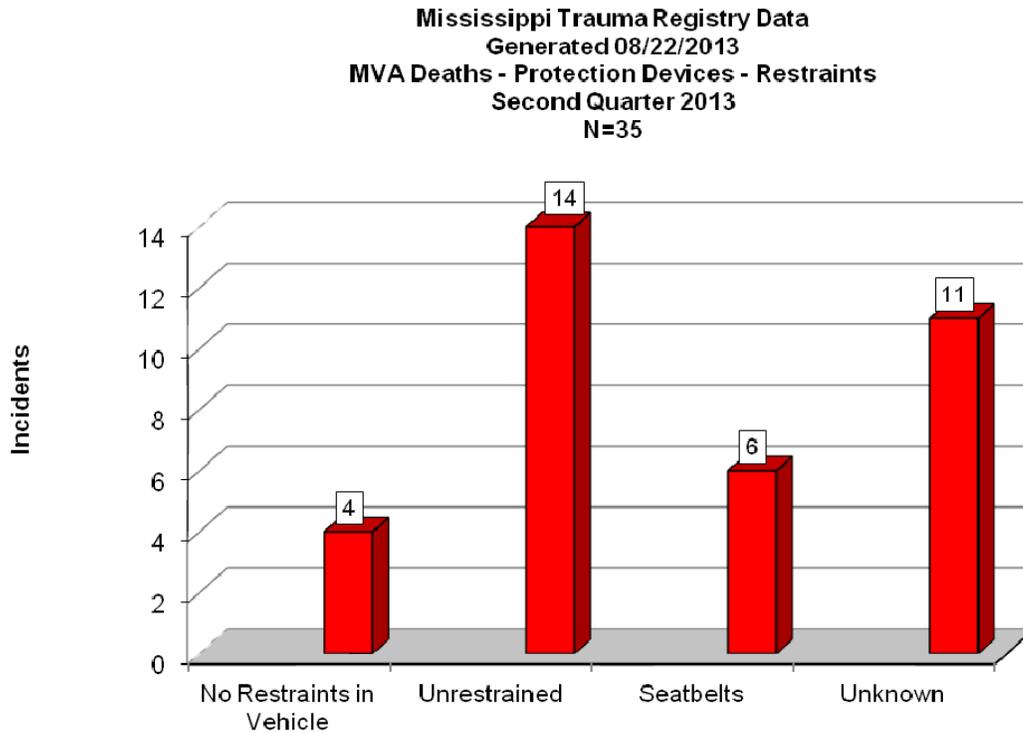
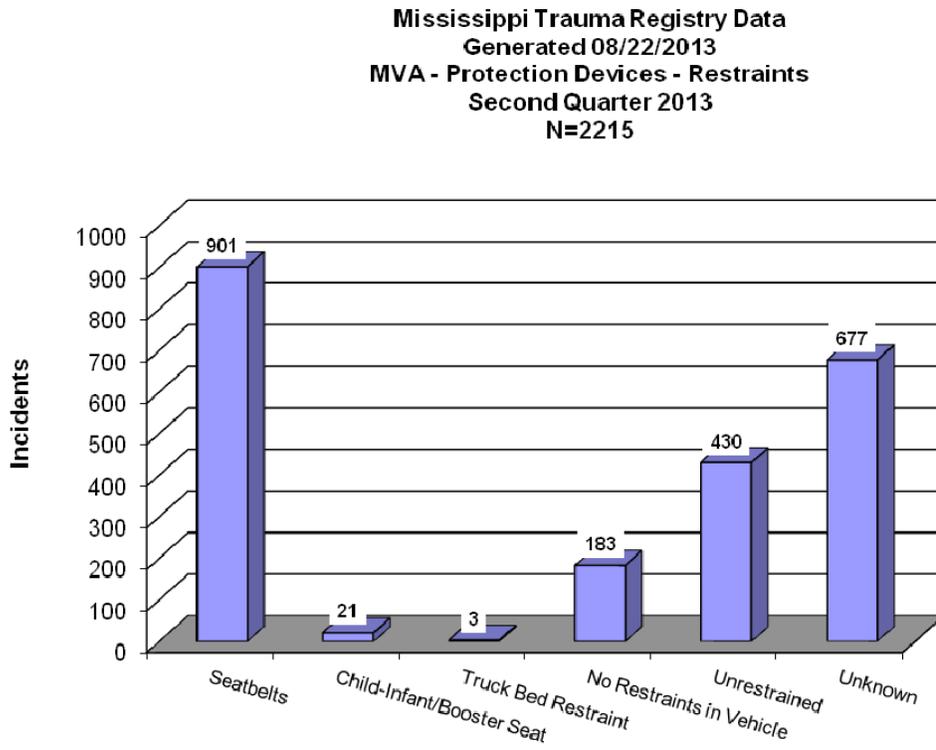
ATV Injuries and Deaths with Protective Devices (Pediatric)



ATV Injuries and Deaths with Protective Devices (Adult)



MVA with and without restraints

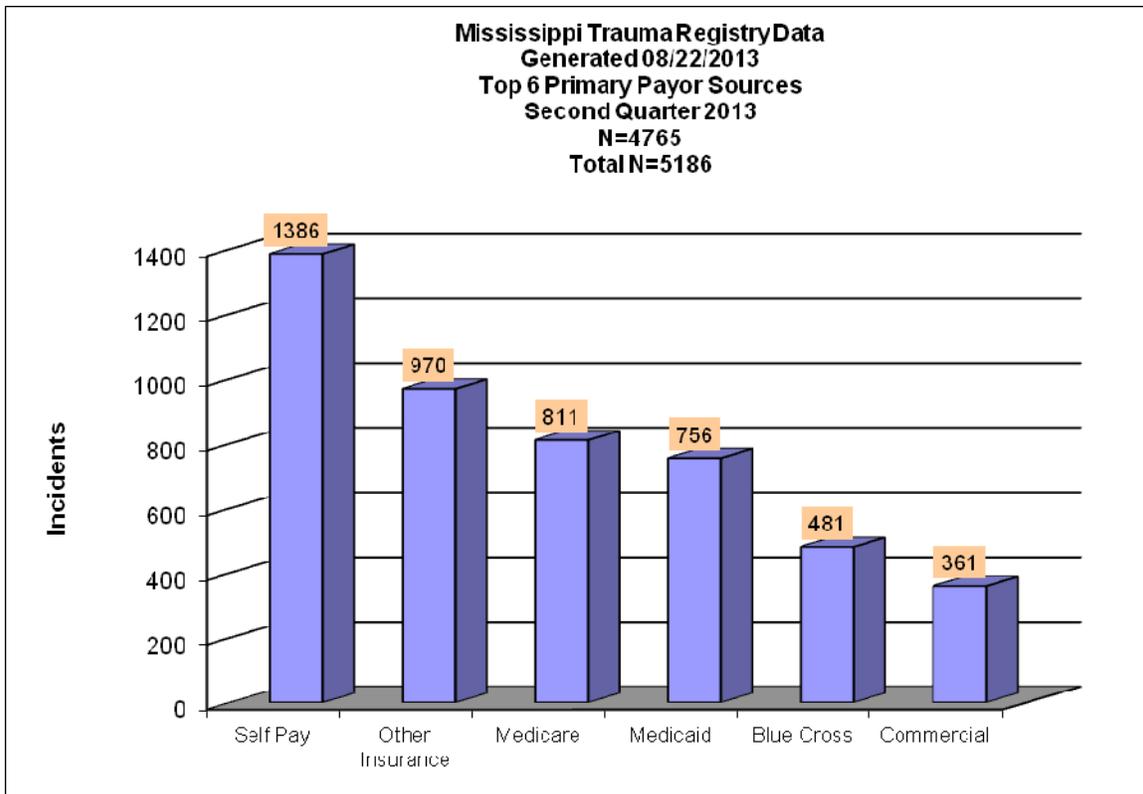


Trauma Performance Improvement (PI) Program:

Trauma PI Sub-committee activities:

- The sub-committee last met on June 27, 2013. The committee eliminated two of the eleven PI indicators to better focus the efforts of the regions and hospitals. Additionally, the committee is conducting a study of overtriage. The committee has reached the conclusion that the adopted Activation Criteria and Destination Guidelines have reduced overtriage in Bravo activations, however, there is still significant overtriage in Alpha activations.

Financial Data:



Trauma Care Trust Fund:

Fund Total – February 28, 2012

\$ 10,339,395

Month	Moving Violations	Interest	Tag Fee	ATV/ Motorcycle Fee	Play or Pay/ Other	Total Collected
June	\$730,926	\$4,443	\$1,216,164	\$90,571	0	2,042,104
July	534,977	No report	957,504	No report	0	1,492,481
August	415,061	6,900	963,568	110,115	0	1,495,644
Total	\$1,680,964	\$11,343	\$3,137,236	\$200,686	\$0	\$5,030,229

Fund Sub-total – May 31, 2013

\$ 15,369,624

June 2013 TCTF Distribution

- 10,000,000

Obligated for December 2013 TCTF Distribution

\$ 5,369,624