



System Report

March 1, 2014 – May 31, 2014

**Data Period – First Quarter 2014
(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 27, 2014

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:

Collector CV4 and ReportWriter Webinar Training May 7-9, 2014				
Ct	Last Name	First Name	Region	Facility
1	Windham	Teresa	Delta	Baptist Memorial Hospital - Desoto
2	Boulware	Deborah	North	Baptist Memorial Hospital - Golden Triangle
3	Smith	Barbara	Central	Central MS Medical Center
4	Adams	Kim	Central	Claiborne County Hospital
5	Basye	Janet	Southeast	Forrest General Hospital
6	Davenport	Jessica	Southeast	Forrest General Hospital
7	McCullum	Monica	Southeast	Forrest General Hospital
8	Nunnally	Melanie	Southeast	Forrest General Hospital
9	Scott	Brandi	Southeast	Forrest General Hospital
10	Davis	Betty	Coastal	Garden Park Medical Center
11	Rowe	Geri	Central	J.M. Still Burn Center
12	O'Quinn	Linda	Central	Jefferson County Hospital
13	Magee	Patricia	Southeast	Jefferson Davis Community Hospital
14	Palmer	Anna	North	Magnolia Regional Health Center
15	Gullett	Bethany	Delta	Methodist Hospital - Olive Branch
16	Johnson	Virginia	Delta	Northwest MS Regional Center
17	Fejka	Deven	Southeast	Pearl River County Hospital
18	Brewer	Celeste	Southeast	Perry County General Hospital
19	Ables	Kelsi	East Central	Pioneer Hospital - Newton
20	Cowart	Amie	Delta	Regional Medical Center - Memphis
21	Harper	Rosalind	Delta	Regional Medical Center - Memphis
22	Headin	Margaret Denise	Delta	Regional Medical Center - Memphis
23	Maestri	Karen	Delta	Regional Medical Center - Memphis
24	Wilks	Tammy	Delta	Regional Medical Center - Memphis
25	Williams	Tammi	Delta	Regional Medical Center - Memphis
26	Miller	Carol	Central	River Oaks Hospital
27	Smalley	Gloria	Southeast	SE Trauma Care Region
28	Ray	Denise	Central	Simpson General Hospital
29	Brown	Cindy	Coastal	Singing River Health System
30	Smith	Michelle	Delta	South Sunflower Co. Hospital
31	Sparks	Holly	Delta	South Sunflower Co. Hospital
32	Brock	Marjolyn	Central	University of MS Medical Center
33	Jones	Candance	Central	University of MS Medical Center
34	Hoffman	Cynthia	Coastal	University of South Alabama
35	Wilson	Lisa N.	Coastal	University of South Alabama
36	Russ	Tonda	Southeast	Wayne General Hospital

Trauma Registry Users' Group					
April 23, 2014					
Ct	Last Name	First Name	Region	Facility	Total
1	Lafayette	Mindy	Delta	Baptist Memorial Hospital - Desoto	1
2	Richards	Ben	Central	Central Mississippi Medical Center	1
3	Smith	Barbara	Central	Central Mississippi Medical Center	1
4	Calhoun	Jon	Southeast	Covington County Hospital	1
5	Holmes	Amy	Delta	Delta Regional Medical Center	1
6	McCullum	Monica	Southeast	Forrest General Hospital	1
7	Sanderson	Belinda	North	Gilmore Memorial Regional Medical Ctr	1
8	Rowe	Geri	Central	J.M. Still Burn Center	1
9	Westberry	Stacey	Central	J.M. Still Burn Center	1
10	Oquinn	Linda	Central	Jefferson County	1
11	Berrie	Kathleen	Delta	Le Bonheur Children's Hospital	1
12	Hall	Angie	Central	Madison River Oaks	1
13	Mathis	Sandra	Coastal	Memorial Hospital Gulfport	1
14	Coleman	Debbie	Central	Montfort Jones Memorial Hospital	1
15	Rucker	Tony	Central	Montfort Jones Memorial Hospital	1
16	Johnson	Virginia	Delta	Northwest Ms Regional Medical Ctr.	1
17	Alliston	Beth	Central	River Oaks Hospital	1
18	Foley	Renea	Central	River Region Health System	1
19	Knight	Bobbie	Southeast	South Central Regional Medical Ctr.	1
20	Smalley	Gloria	Southeast	Southeast Trauma Care Region	1
21	Graves	Pam	Central	St.Dominic Hospital	1
22	Benton	Kathy	Central	UMC	1
23	Guthrie	Aleta	Central	UMC	1
24	McChriston-Williams	Rosalind	Central	University Hospital & Clinics - Holmes Co	1
25	Fulcher	Kristi	Central	Winston Medical Center	1
	Total				25

Trauma Center Education Visits:

April 15, 2014 OCH Regional Medical Center, Starkville
 April 22, 2014 Baptist Memorial Hospital-North Mississippi, Oxford

Trauma Center Inspections:

April 29, 2014 J.M Still Burn Center, CMMC, Jackson
 May 5, 2014 Biloxi Regional Medical Center – Level III Trauma Center

Trauma Center Designations:

The following Level IV Trauma Centers were designated during this period:

- Alliance Healthcare System, Holly Springs
- Bolivar Medical Center, Cleveland
- Covington County Hospital, Collins
- Greene County Hospital, Leakesville
- Lawrence County Hospital, Monticello
- Sharkey-Issaquena Community Hospital, Rolling Fork
- Tippah County Health Services, Ripley
- Wesley Medical Center, Hattiesburg

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);
- 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;
- Sixty two Level IV Trauma Centers; and
- One Burn Center (J.M Still @ Central Mississippi Medical Center).

Mississippi Trauma Advisory Committee (MTAC) Activities:

MTAC held its quarterly meeting on April 17, 2014. The committee passed the following:

- No regulation changes until the new ACS Optimal Resource Guide ("Orange Book") is released.
- Upon the recommendation of the Finance Task Force and the MHA Systems-of-Care Committee, no changes to the TCTF Distribution Model are recommended.
- The 2013 State Trauma Plan and the seven Region Trauma Plans are also posted on the department's Trauma website.

The next meeting of MTAC is scheduled for July 17, 2014.

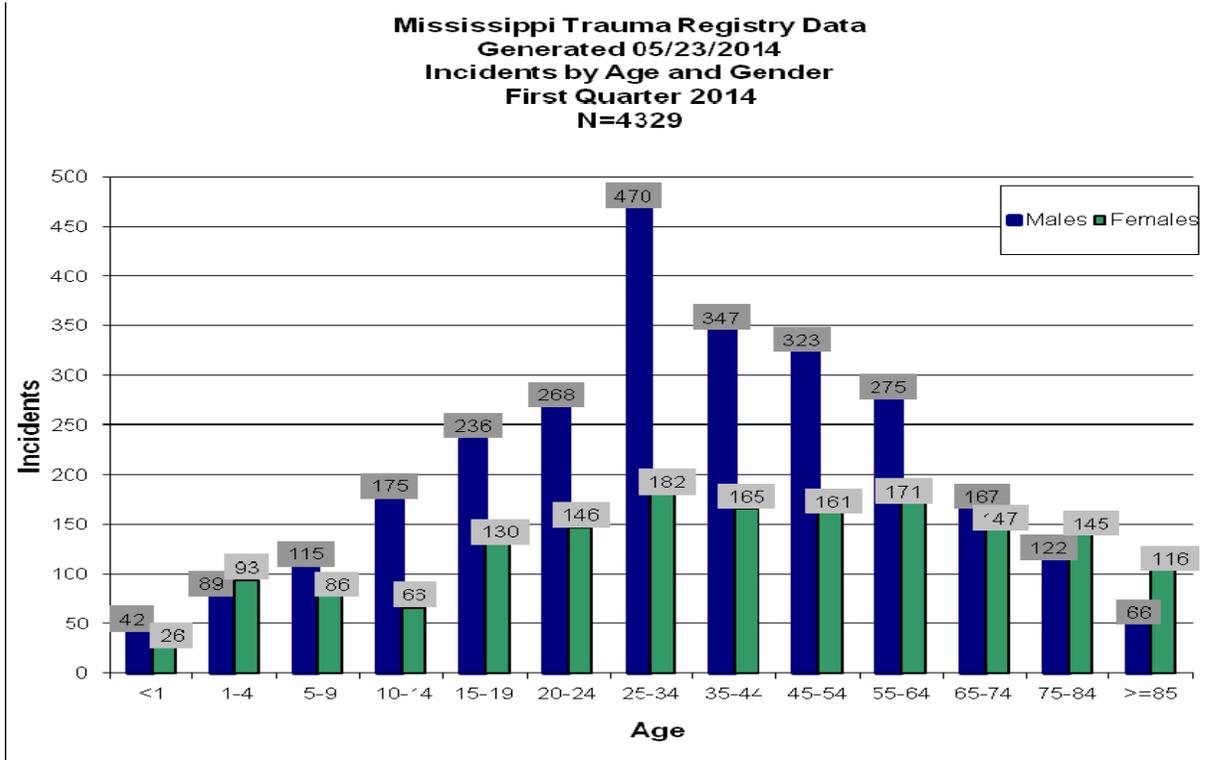
Trauma Data:

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

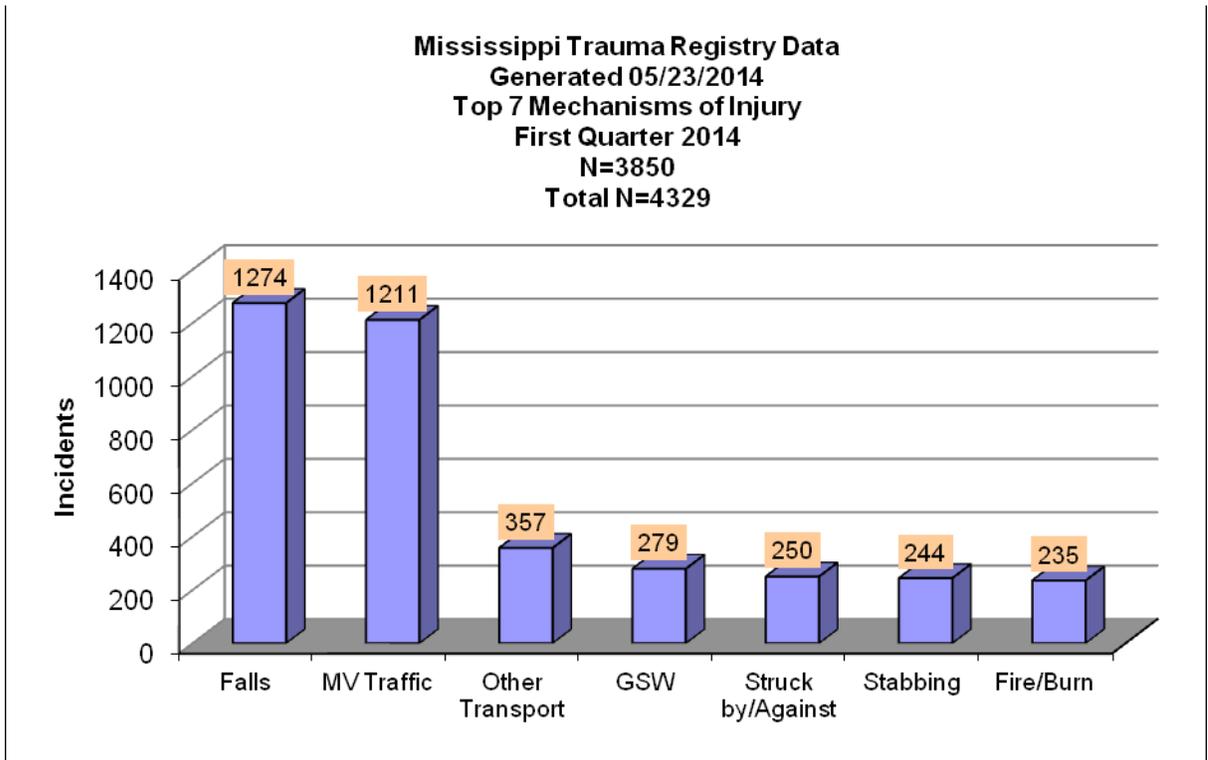
Mississippi Trauma Registry Data						
Injury Severity Score Summary for Level I to Level III Hospitals						
Generated 05/23/2014						
First Quarter 2014						
N = 3417						
Facility	ISS 1-9	ISS 10-15	ISS 16-24	ISS>24	ISS NotValued	Total Patients
Anderson Regional Medical Center-North	68	19	9	7	0	103
Baptist Memorial Hospital-Desoto	171	7	2	4	0	184
Baptist Memorial Hospital-GoldenTriangle	108	9	2	3	0	122
Baptist Memorial Hospital-North Miss.	66	12	0	4	0	82
Biloxi Regional Medical Center	78	7	0	1	0	86
Central MS Medical Center	31	1	0	0	0	32
Delta Regional Medical Center	65	4	2	0	0	71
Forrest General Hospital	415	53	39	5	0	512
Garden Park Medical Center	49	3	2	0	0	54
LeBonheur Children's Medical Center	134	16	9	6	0	165
Magnolia Hospital	87	9	3	1	1	101
Memorial Hospital at Gulfport	129	29	9	4	0	171
North MS Medical Center-Tupelo	243	36	7	7	0	293
Ocean Springs Hospital	40	7	3	0	0	50
Oktibbeha County Hospital	44	5	0	0	0	49
Regional Medical Center at Memphis	89	16	21	23	0	149
River Oaks Hospital, Inc.	32	4	0	0	0	36
Rush Foundation Hospital	51	21	9	2	0	83
Singing River Hospital	64	9	5	4	0	82
South Central Regional Medical Center	82	11	5	2	0	100
Southwest Mississippi Regional Medical Center	126	15	2	4	0	147
University of South Alabama Medical Center	35	8	6	3	0	52
University Medical Center	472	107	69	45	0	693
Total	2679	408	204	125	1	3417*

****Does not include 912 patients treated at Level IV Trauma Centers.***

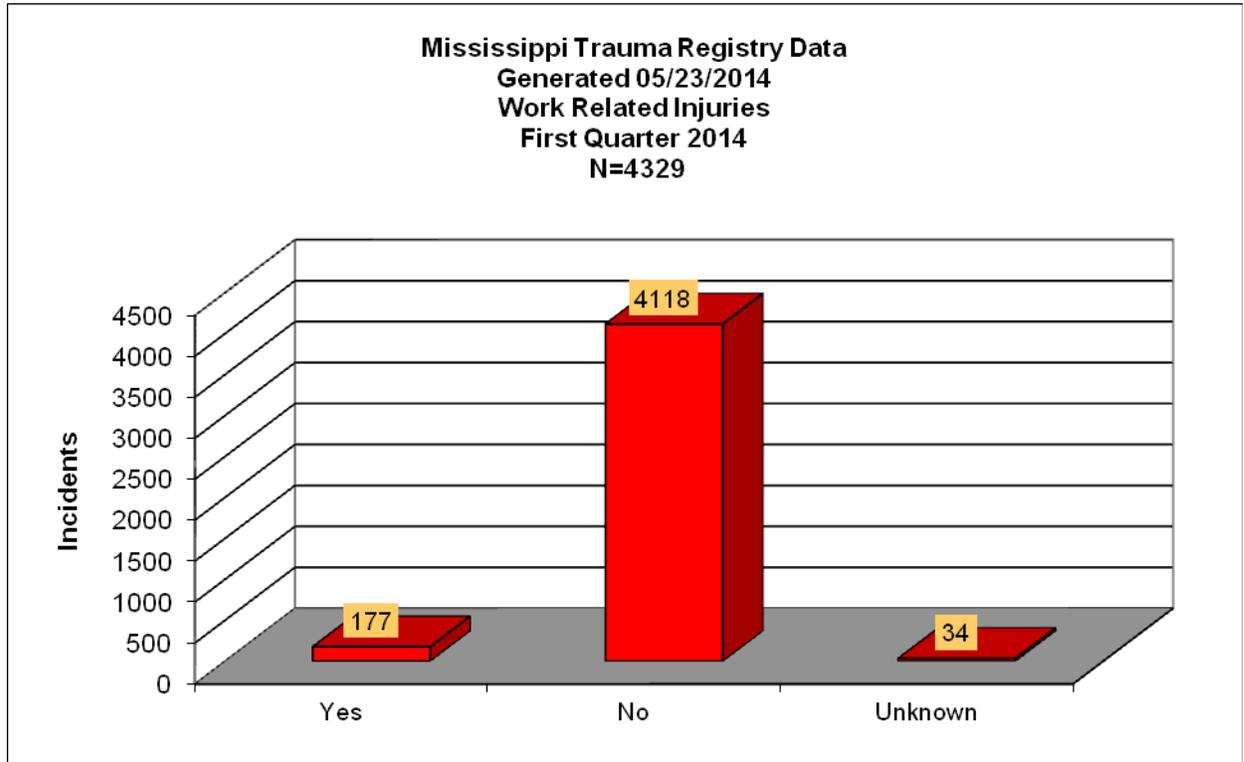
Age and Gender



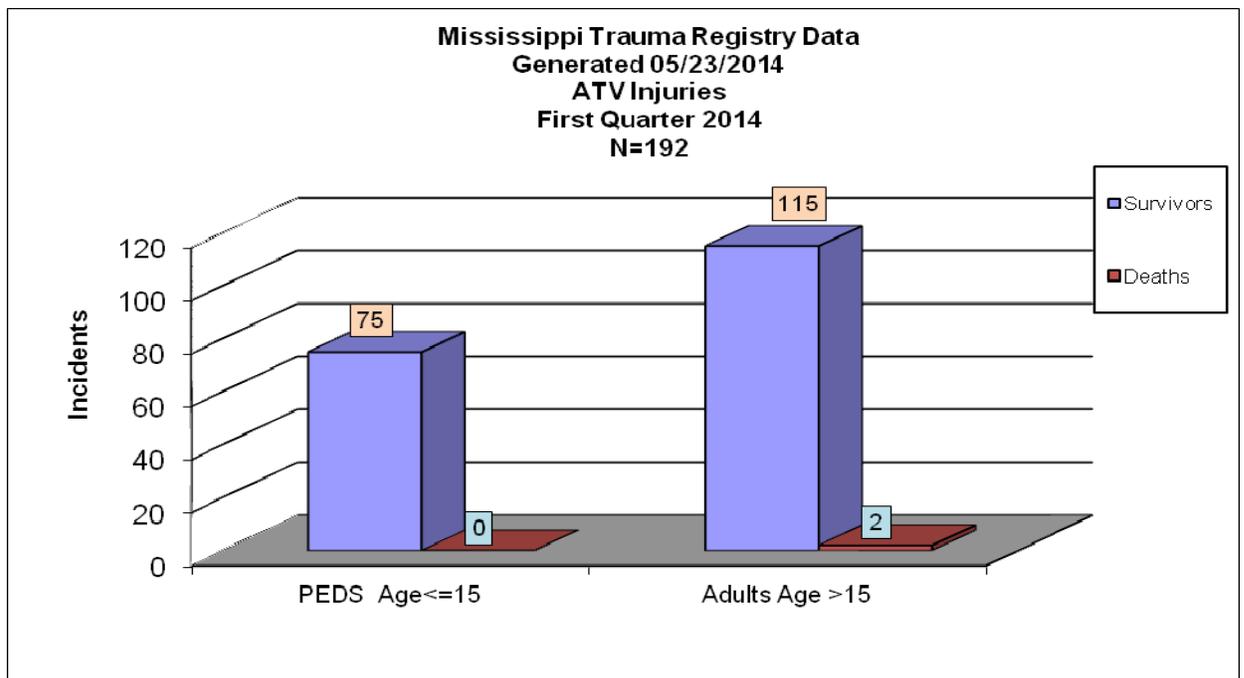
The top 7 mechanisms of injury



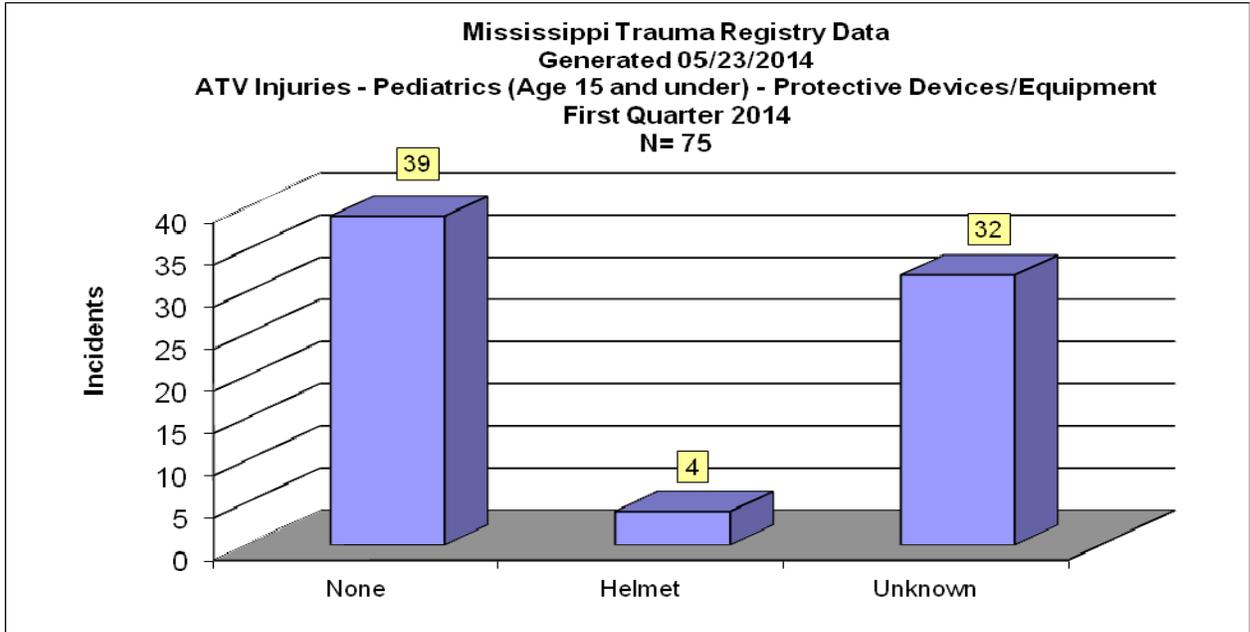
Work related injuries



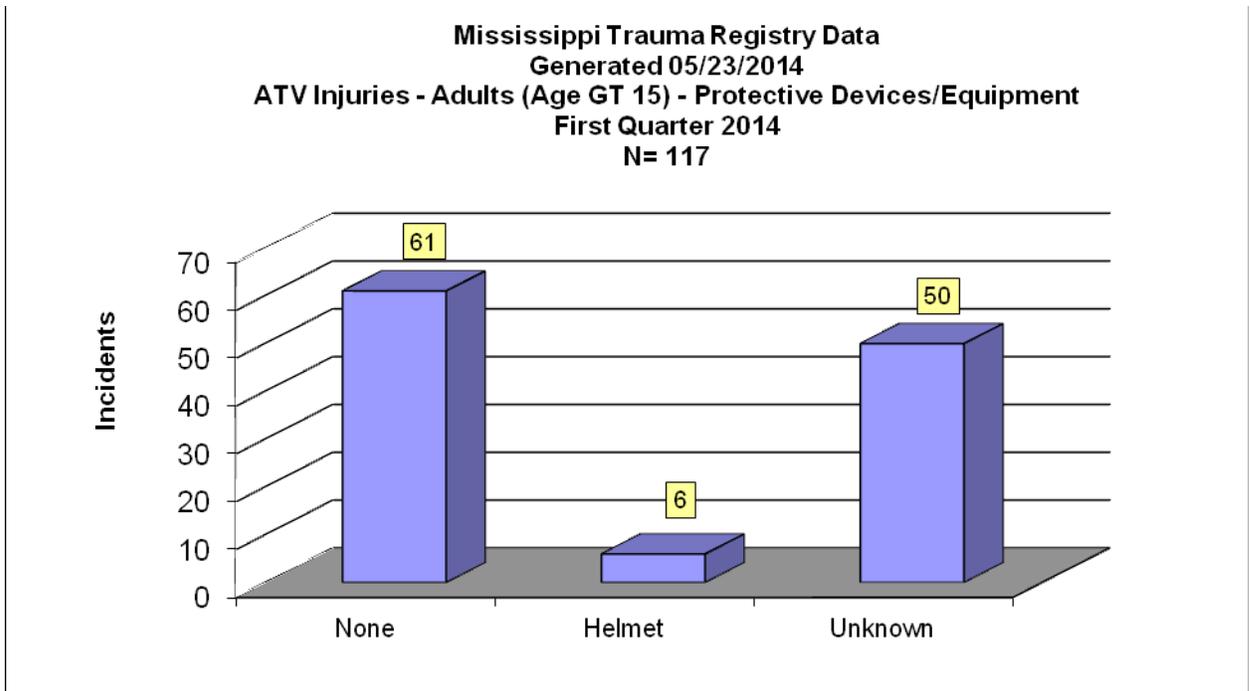
ATV Injuries and Deaths



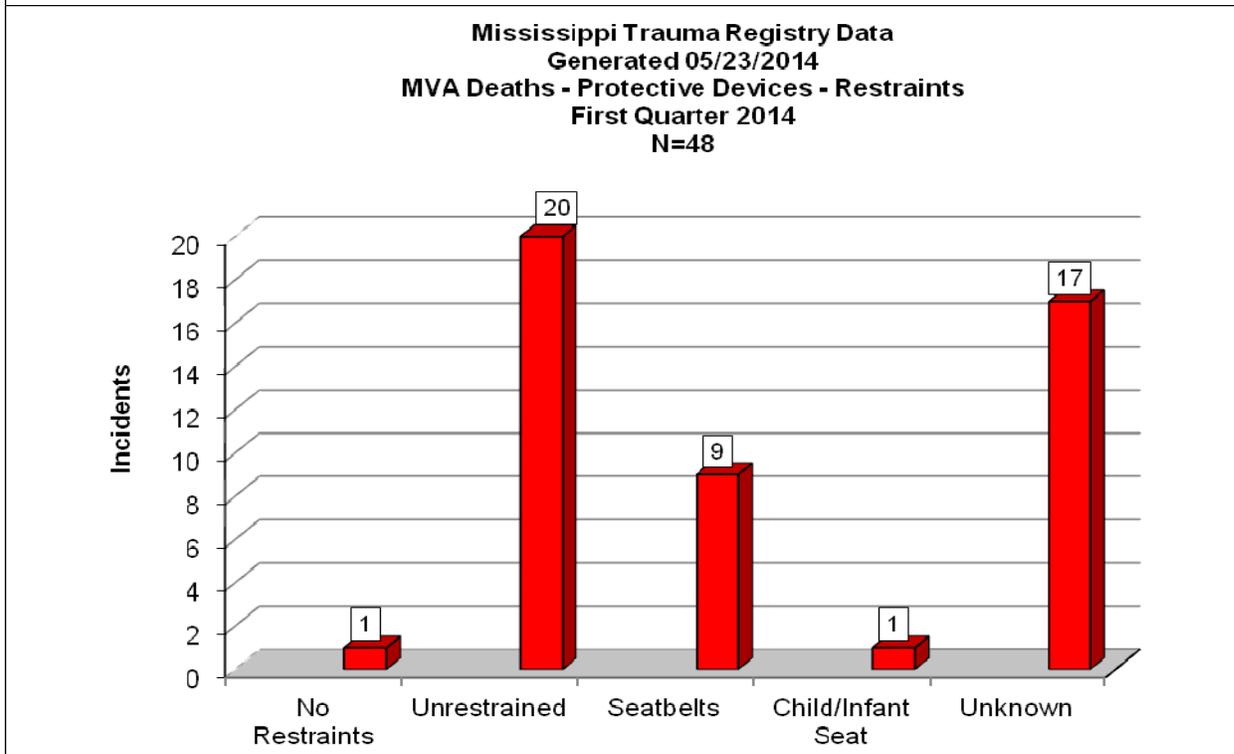
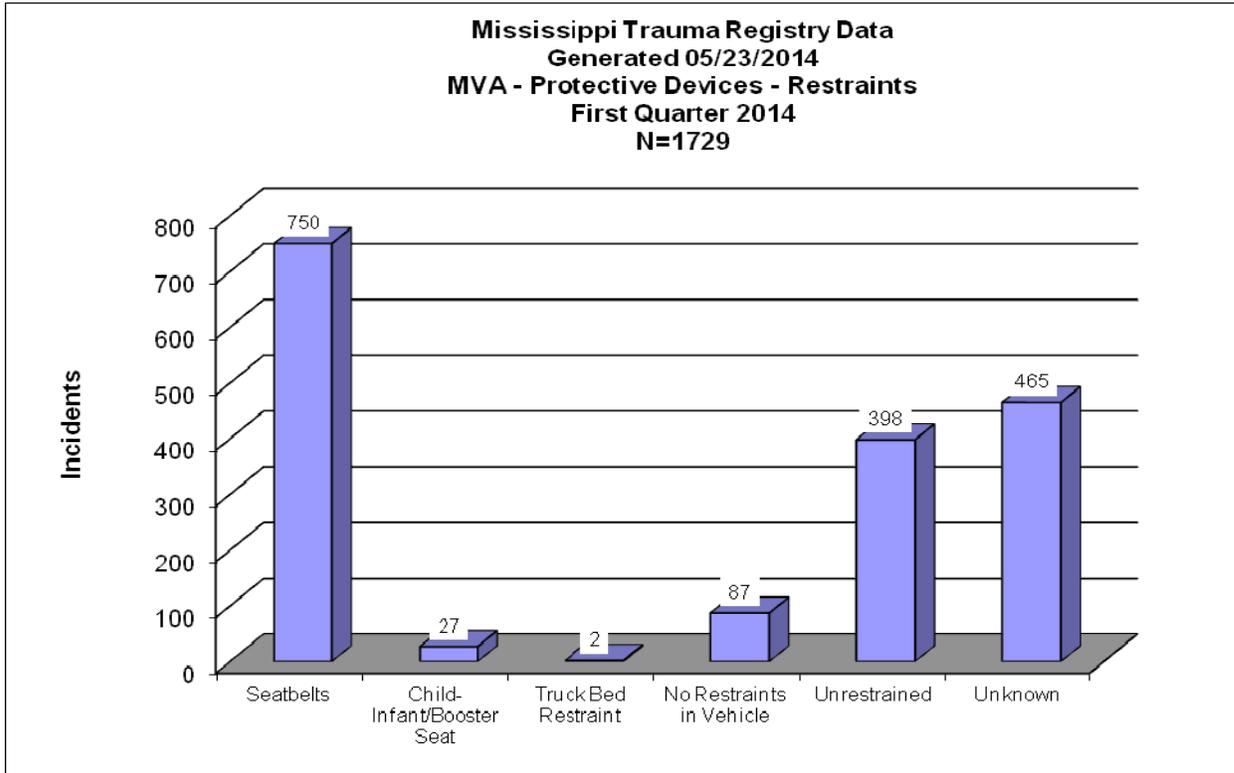
ATV Injuries and Deaths with Protective Devices (Pediatric)



ATV Injuries and Deaths with Protective Devices (Adult)



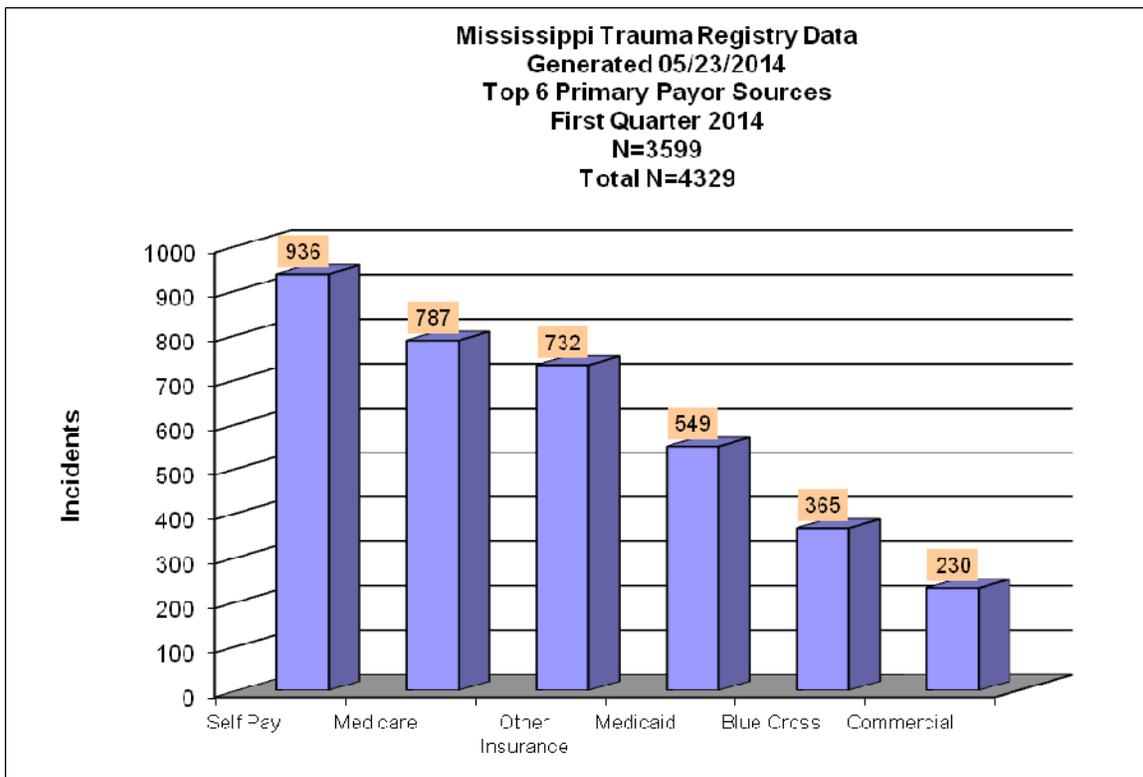
MVA with and without restraints



Trauma Performance Improvement (PI) Program:

- The Trauma PI sub-committee met on May 21, 2014. The sub-committee discussed recurring findings from Trauma center inspection reports, and requested additional reports on the following:
 - Surgeon response to Alpha activations,
 - Downgrading of Alpha alerts,
 - Admission of trauma patients to non-trauma/non-surgical services,
 - Physician call at multiple hospitals, and
 - PI process (chart review, loop closure).
- The sub-committee also requested additional reports on weighted mortality and the transfer rate over the life of the system.
- The next meeting is scheduled for August 2014 (not a public meeting).

Financial Data:



Trauma Care Trust Fund:

Fund Total – February 28, 2014

\$ 5,451,123

Month	Moving Violations	Interest	Tag Fee	ATV/ Motorcycle Fee	Play or Pay/ Other	Total Collected
March	\$753,441	\$1,656	\$795,048	\$64,031		\$1,614,176
April	672,398	1,517	1,008,816	91,777		1,774,508
May	741,150	No Report	1,197,432	No Report		1,938,582
Total	\$2,166,989	\$3,173	\$3,001,296	\$155,808		\$5,327,266

Fund Sub-total – May 31, 2014

\$ 10,778,389

Spring 2014 (June 2014) TCTF Distribution

-\$ 7,500,000

FY2015/1 Department Administrative Funds

-\$ 500,000

FY2015/1 Region Administrative Funds

-\$ 830,000

Obligated for Fall 2014 TCTF Distribution

\$ 1,948,389