Indiana Trauma Registry

Statewide Quarter 2 Data Report
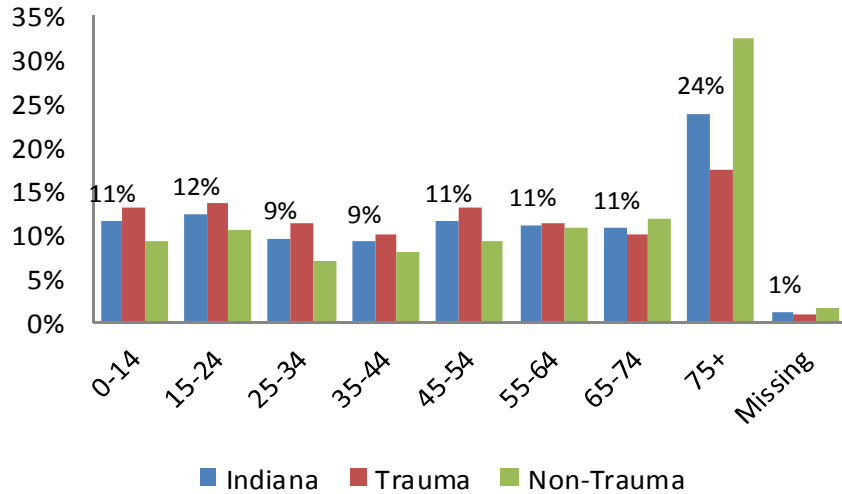April 1, 2013 to June 30, 2013
6,056 Incidents
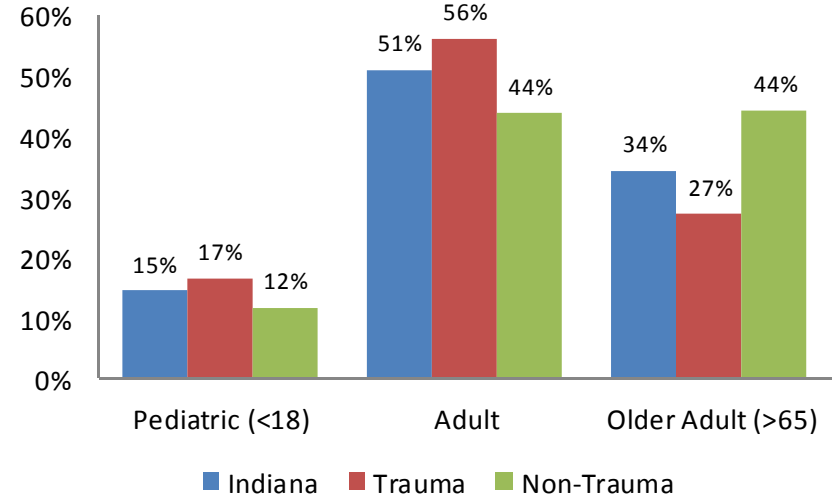
51 Total Hospitals Reporting

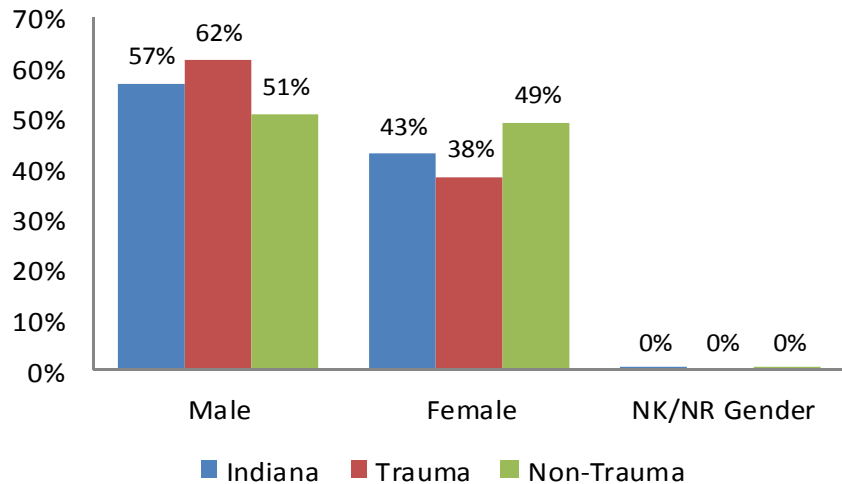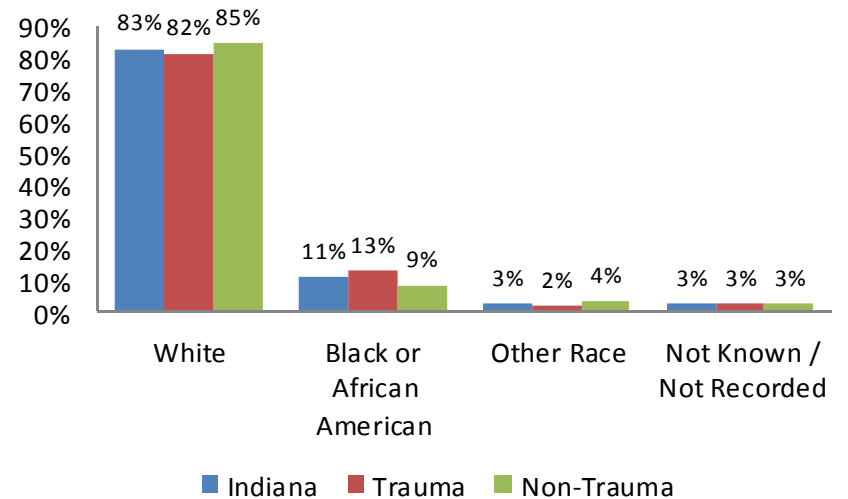|		
Trauma Centers:	8 facilities	58% of data
(Non-Trauma) Hospitals:	43 facilities	42% of data

Patient Age

Patient Age Groupings

Patient Gender

Patient Race

<1% Race - Asian, Native Hawaiian or Other Pacific Islander, American Indian or Alaska Native

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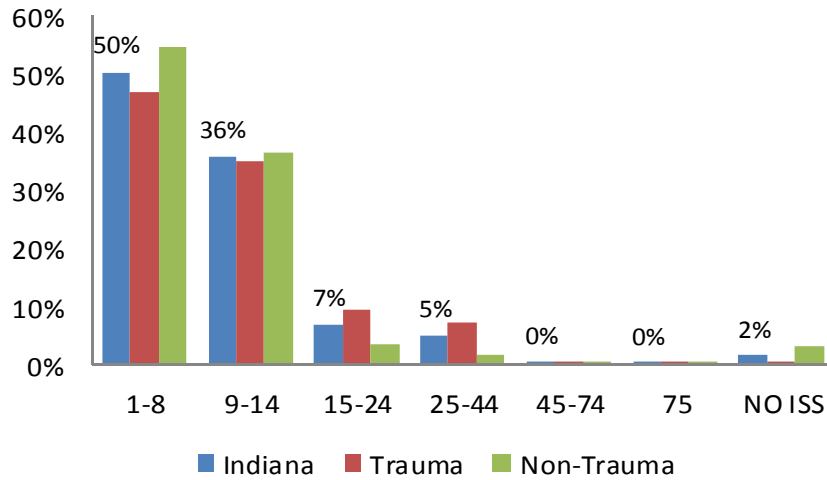
Statewide Quarter 2 Data Report
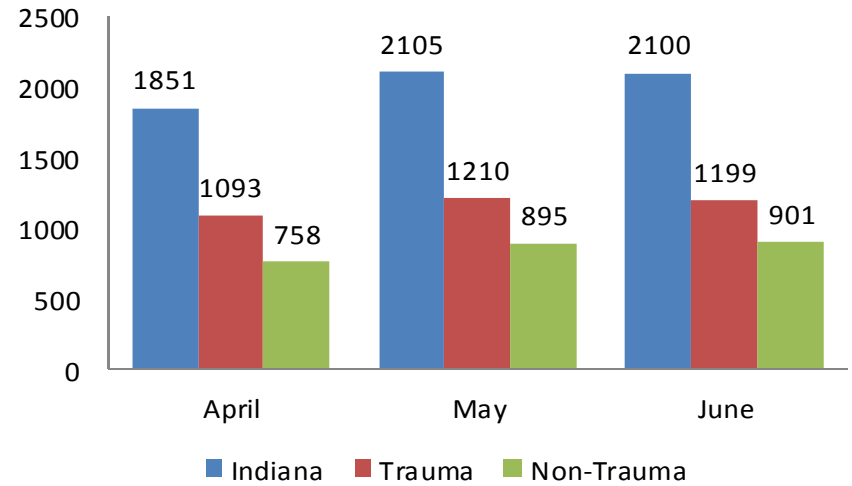**April 1, 2013 to June 30, 2013**
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Injury Severity Score (ISS)

Legend: Indiana, Trauma, Non-Trauma

- 1-8: 50%
- 9-14: 36%
- 15-24: 7%
- 25-44: 5%
- 45-74: 0%
- 75: 0%
- NO ISS: 2%

Month of Injury

Legend: Indiana, Trauma, Non-Trauma

- April: Indiana 1851, Trauma 1093, Non-Trauma 758
- May: Indiana 2105, Trauma 1210, Non-Trauma 895
- June: Indiana 2100, Trauma 1199, Non-Trauma 901

Trauma Type

Legend: Indiana, Trauma, Non-Trauma

- Blunt: Indiana 68%, Trauma 73%, Non-Trauma 60%
- Penetrating: Indiana 6%, Trauma 8%, Non-Trauma 5%
- Thermal: Indiana 2%, Trauma 2%, Non-Trauma 1%
- Other: Indiana 19%, Trauma 14%, Non-Trauma 26%
- NK/NR: Indiana 5%, Trauma 3%, Non-Trauma 8%

Cause of Injury

Legend: Indiana, Trauma, Non-Trauma

- Fall: 33%
- MVC: 21%
- Struck By, Against: 7%
- Firearm: 4%
- Transport, other: 5%
- Cut / Pierce: 3%
- Machinery: 1%
- Bicyclist, other: 2%
- No E-Code: 1%
- Not Categorized: 21%

<1% COI: Pedestrian Traffic Accident, Natural/Environment, Fire/Burn, Overexertion, Bites/Stings

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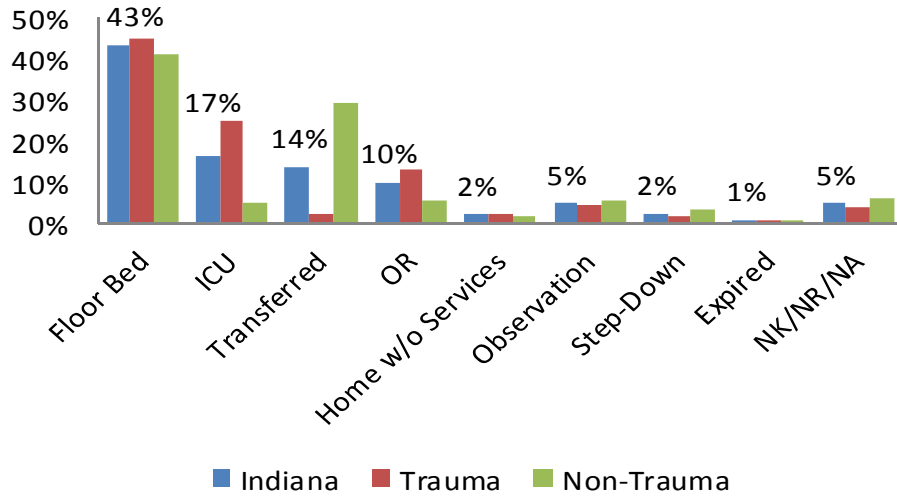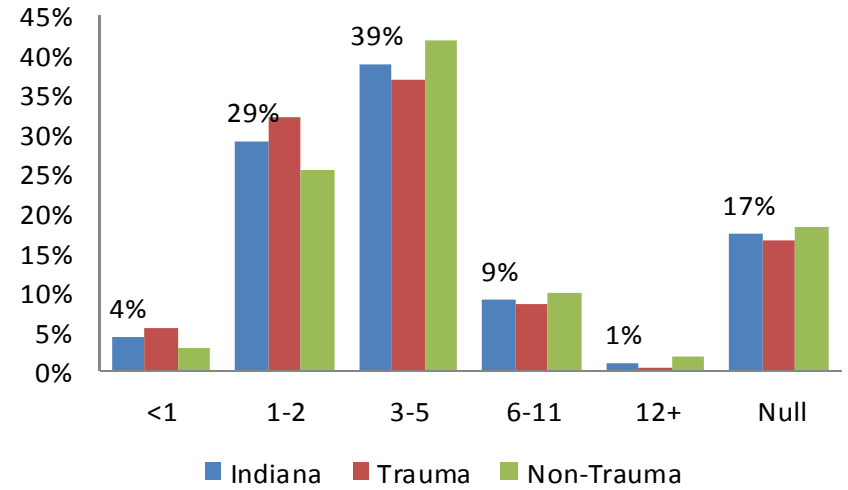|		
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ED Disposition by Percentage

Indiana ■ Trauma ■ Non-Trauma

ED Length of Stay (Hours)

Indiana ■ Trauma ■ Non-Trauma

ED Disposition by Count

■ Trauma ■ Non-Trauma

Average ED Length of Stay

	Minutes	Hours
Indiana	199.07	3.32
Trauma	188.07	3.13
Non-Trauma	213.89	3.55

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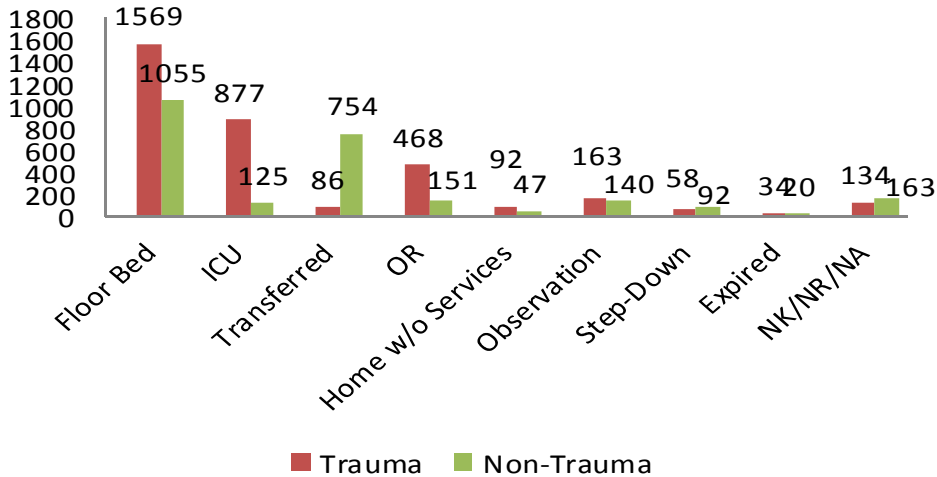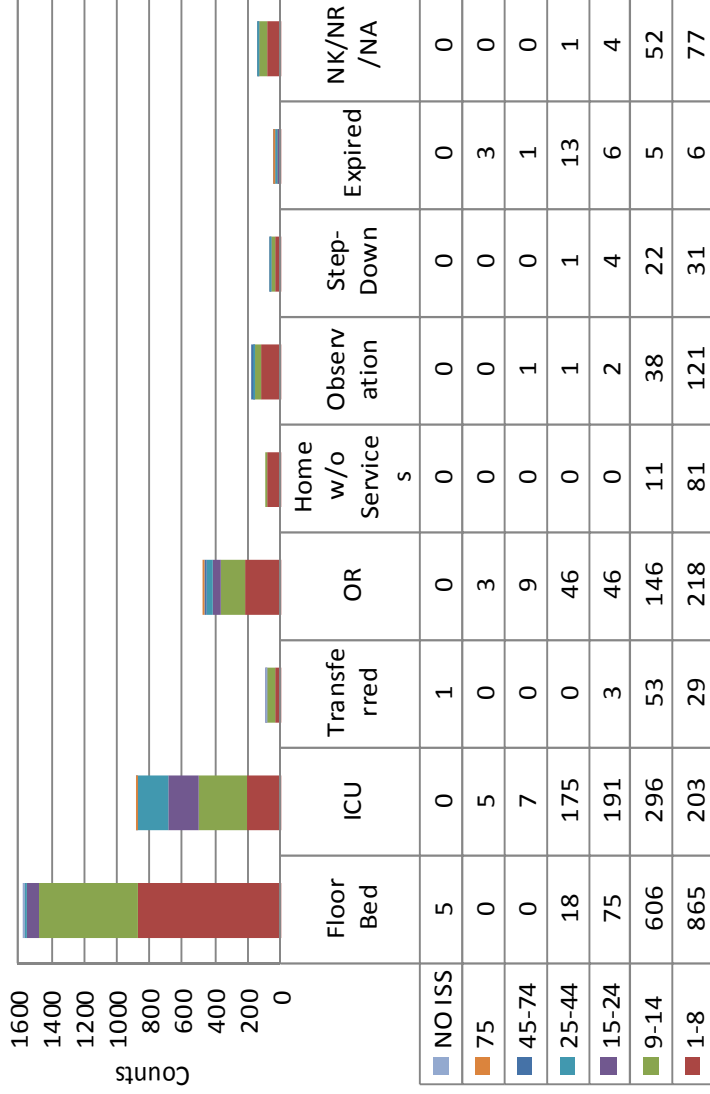(Non-Trauma) Hospitals: **43 facilities** — **42% of data**

ED Disposition by ISS (Trauma Center)

	Floor Bed	ICU	Transferred	OR	Home w/o Services	Observation	Step-Down	Expired	NK/NR/NA
NO ISS	5	0	1	0	0	0	0	0	0
75	0	5	0	3	0	0	0	3	0
45-74	0	7	0	9	0	1	0	1	0
25-44	18	175	0	46	0	1	1	13	1
15-24	75	191	3	46	0	2	4	6	4
9-14	606	296	53	146	11	38	22	5	52
1-8	865	203	29	218	81	121	31	6	77

ED Disposition by ISS (Non-Trauma Center)
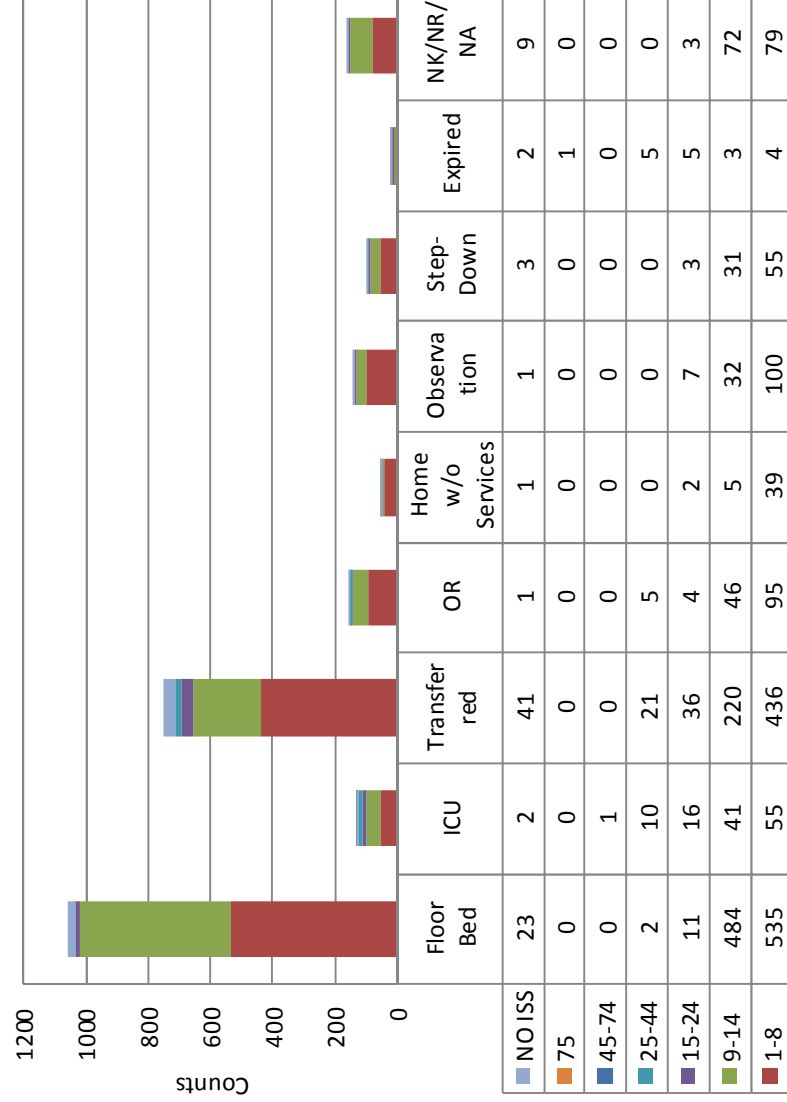
	Floor Bed	ICU	Transferred	OR	Home w/o Services	Observation	Step-Down	Expired	NK/NR/NA
NO ISS	23	2	41	1	1	1	3	2	9
75	0	0	0	0	0	0	0	1	0
45-74	0	1	0	0	0	0	0	0	0
25-44	2	10	21	5	0	0	0	0	0
15-24	11	16	36	4	2	7	3	5	3
9-14	484	41	220	46	5	32	31	3	72
1-8	535	55	436	95	39	100	55	4	79

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ED LOS by ISS

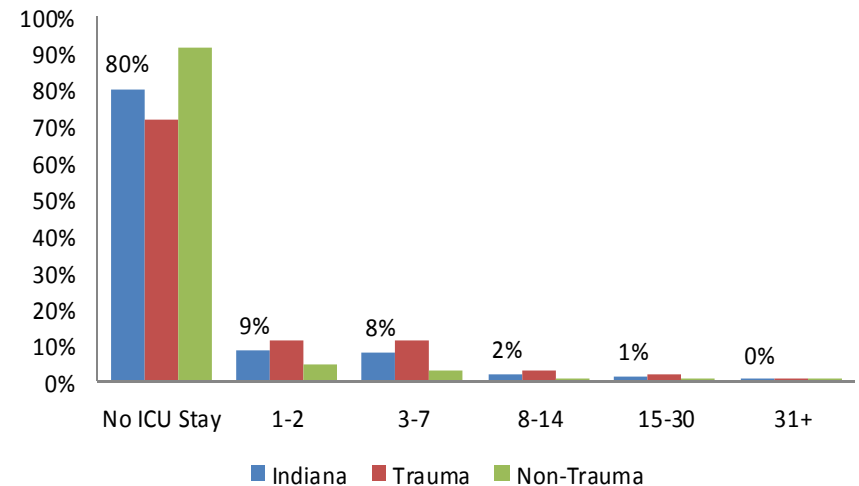| ED Length of Stay (minutes)			
ISS Category	Indiana Average	Trauma Center	Non-Trauma Center
1-8	203.3	186.4	222.6
9-14	204.3	200.7	208.9
15-24	189.4	185.0	206.1
25-44	149.2	149.7	145.9
45-74	114.1	117.4	53.0
75	85.4	92.0	13.0
No ISS	180.1	331.0	168.3

Primary Payer Mix
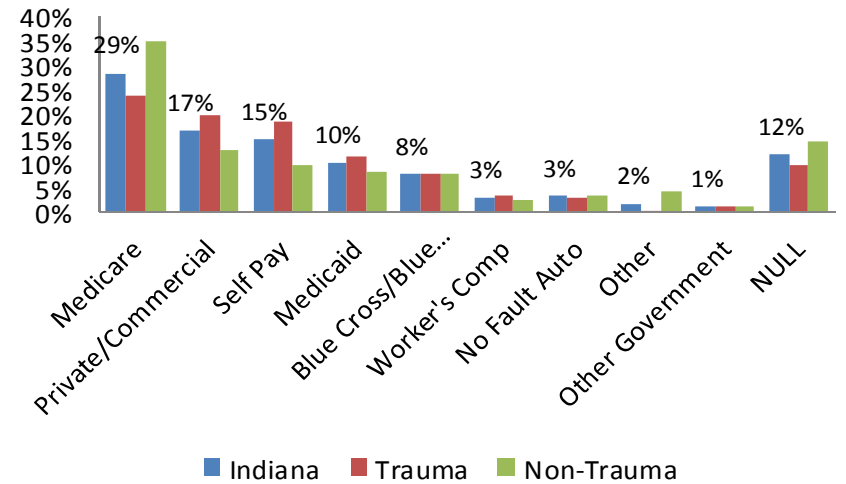
Probability of Survival (Ps)
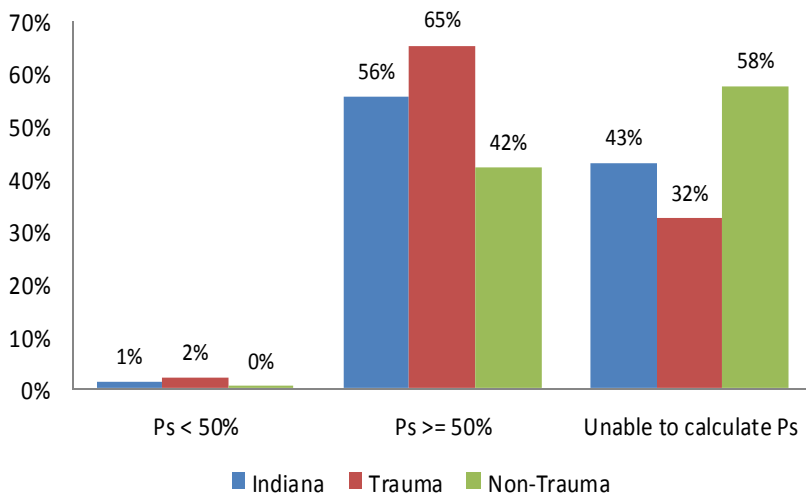
ICU Length of Stay (Days)

Due to the many data points required to calculate Ps, not every patient has a calculated Ps. This graph represents 2789 incidents with calculated Ps.

Indiana Trauma Registry
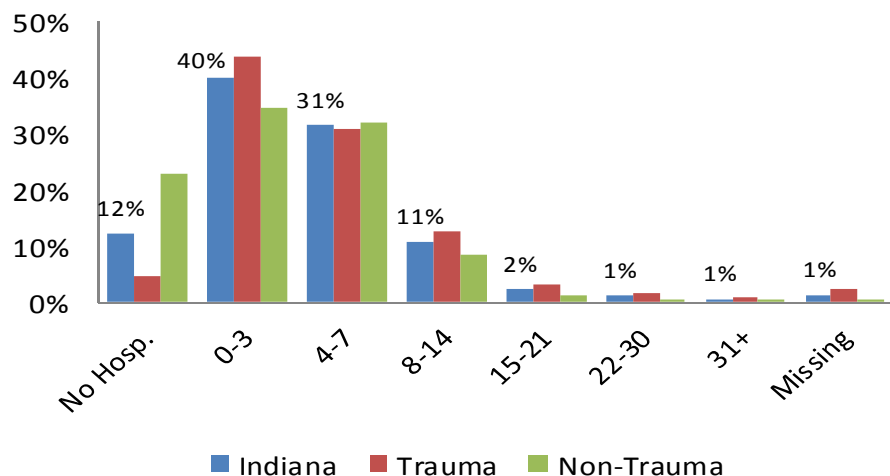
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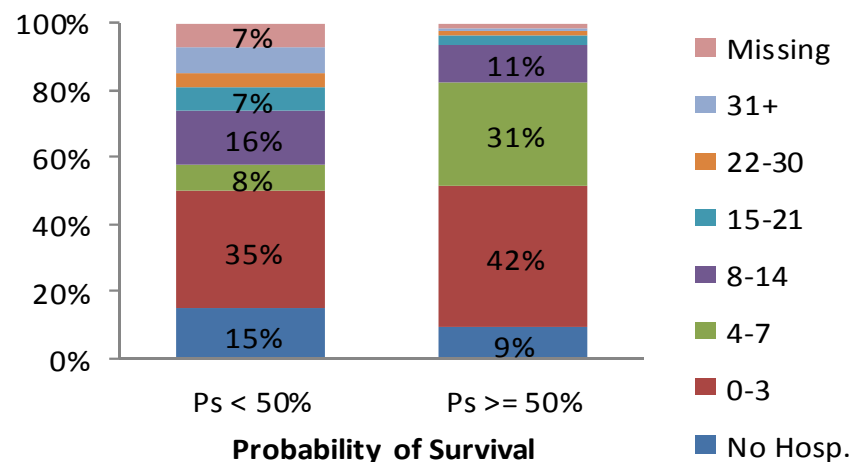
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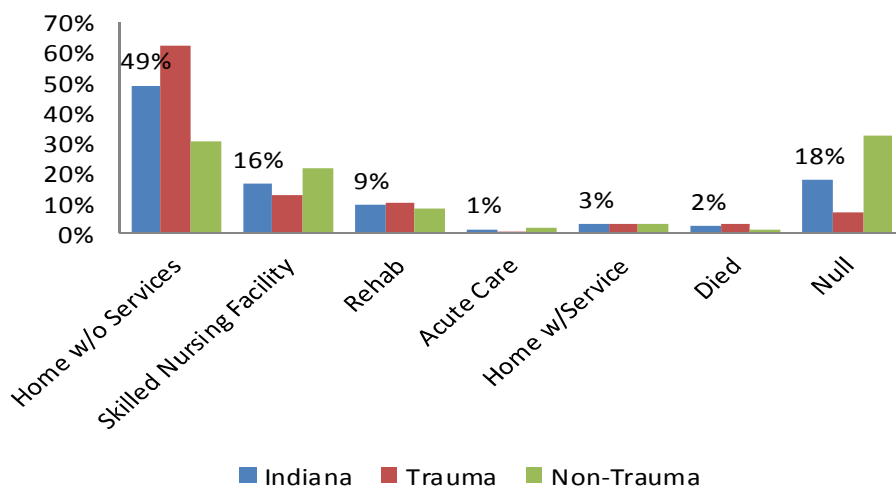|		
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Hospital Length of Stay (Days)

Hospital LOS by Ps

Hospital Disposition

*<1% Hospital Disposition: Intermediate Care Center, Hospice Care, AMA

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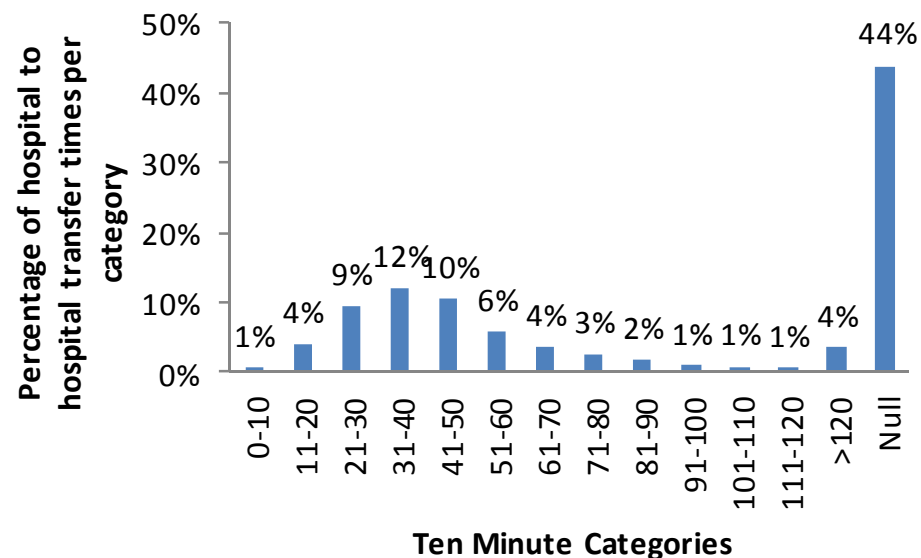**April 1, 2013 to June 30, 2013**
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For Transfer Patients:

For Transfer Patients:		
Probability of Survival	ED Length of Stay (minutes)	ED Length of Stay (hours)
Ps <50% (n=2)	74.00	1.23
Ps >50% (n=291)	157.46	2.62
Unable to calculate Ps (n=461)	151.24	2.52

Hospital to Trauma Center Transfer

Hospital to trauma center transfer time is for patients initially at a hospital and then transferred to a trauma center

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For Linked Transfer Patients:

For Transfer Patients:		
	All Transfer Patients	*Critical** Transfer Patients
EMS Notified to Scene	8 minutes	8 minutes
EMS Scene Arrival to Departure	16 minutes	14 minutes
EMS Scene Departure to Initial Hospital ED Arrival	16 minutes	16 minutes
Initial Hospital ED Arrival to Departure	2 hours 48 minutes	2 hours
Initial Hospital ED Departure to Final Hospital ED Arrival	56 minutes	49 minutes
TOTAL TIME	4 hours 24 minutes	3 hours 27 minutes

*Critical patient is defined as having an ISS > 15, OR GCS ≤ 12, OR Shock Index > 0.9 at EITHER the initial hospital or the final trauma center.

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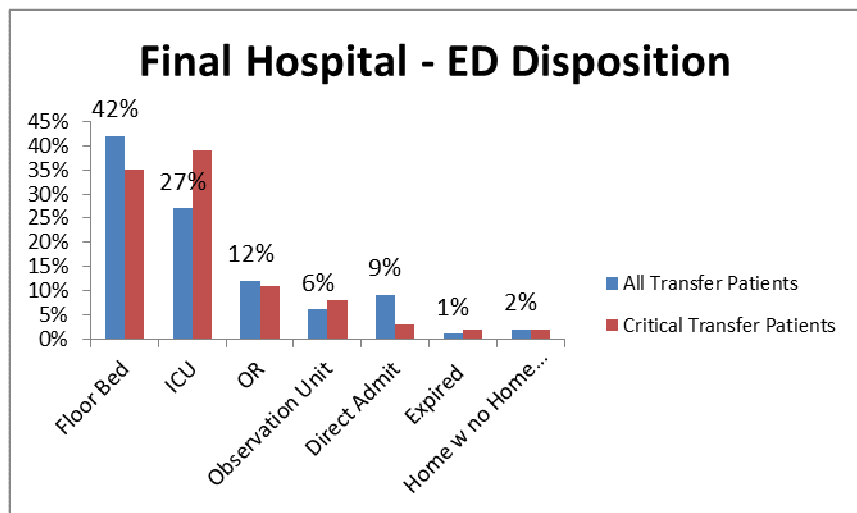
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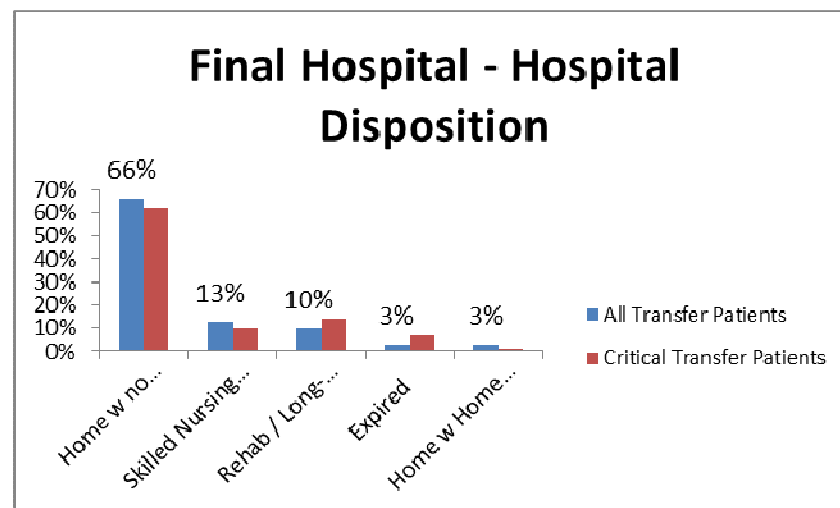
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For Linked Transfer Patients:

Final Hospital - ED Disposition

<1% : Transferred to Another Hospital, AMA, Telemetry/Step-Down Bed, Home with Services, Other (jail, institutional care, etc.)

Final Hospital - Hospital Disposition

<1% : Transferred to Another Hospital, Transferred to an Intermediate Care Facility, AMA, Hospice Care

Final Hospital - Hospital LOS (Days)