



Indiana Trauma Care Committee Meeting

May 22, 2015

Indiana State Department of Health
Division of Trauma and Injury Prevention



Indiana State
Department of Health



Email questions to: indianatrauma@isdh.in.gov

Hospitals reporting to the Indiana Trauma Registry - Quarter 4 2014

District 1

Community Hospital - Munster

Franciscan St. Anthony – Crown
Point

Franciscan St. Anthony –
Michigan City

Franciscan St. Margaret –Dyer

Franciscan St. Margaret -
Hammond

IU Health – La Porte

Jasper County

Methodist Hospital Northlake

Methodist Hospital Southlake

Portage Hospital

Porter Regional Hospital
(Valparaiso)

Email questions to: indianatrauma@isdh.in.gov

Hospitals reporting to the Indiana Trauma Registry - Quarter 4 2014

District 2

Community Hospital of Bremen

Elkhart General Hospital

IU Health – Goshen

IU Health – Starke Hospital

Kosciusko Community Hospital

Memorial Hospital South Bend

Pulaski Memorial Hospital

St. Catherine Regional – East
Chicago

St. Joseph Regional Medical
Center (Mishawaka)

St. Joseph Regional Medical
Center (Plymouth)

Woodlawn Hospital

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Hospitals reporting to the Indiana Trauma Registry - Quarter 4 2014

District 3

Cameron Memorial Community
Hospital
DeKalb Health
Dukes Memorial Hospital
Dupont Hospital
Lutheran Hospital of Indiana
Parkview Huntington Hospital
Parkview LaGrange Hospital
Parkview Noble Hospital
Parkview Randallia
Parkview Regional Medical Center
Parkview Whitley Hospital

District 4

Franciscan St. Elizabeth -
Crawfordsville
**Franciscan St. Elizabeth –
Lafayette Central**
Franciscan St. Elizabeth –
Lafayette East
IU Health – Arnett Hospital
IU Health – White Memorial
Memorial Hospital (Logansport)
St. Vincent Frankfort
St. Vincent Williamsport Hospital

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Hospitals reporting to the Indiana Trauma Registry - Quarter 4 2014

District 5

Community East Health Network

Community Hospital

Community North health Network

Community Hospital

Community South health Network

Community Hospital

Eskenazi Health

Franciscan St. Francis Health –

Indianapolis

Franciscan St. Francis Health –

Mooresville

Hancock Regional Hospital

Hendricks Regional Health

IU Health – Methodist Hospital

IU Health – Morgan Hospital

IU Health – North Hospital

IU Health – Riley for Children

Johnson Memorial Hospital

Major Hospital

Riverview Hospital

St. Vincent - Indianapolis

Witham Health Services

Witham Health Services at

Anson

Email questions to: indianatrauma@isdh.in.gov

Hospitals reporting to the Indiana Trauma Registry - Quarter 4 2014

District 6

Community Hospital of Anderson
& Madison Co.

Community Howard Regional
Health

Fayette Regional Health System

Henry County Memorial Hospital

IU Health – Ball Memorial
Hospital

IU Health – Blackford Hospital

IU Health – Tipton Hospital

Jay County Hospital

Marion General Hospital

Reid Hospital and Health Care Services

Rush Memorial Hospital

St. Joseph Hospital and Health Center -
Kokomo

St. Vincent Anderson Regional Hospital

St. Vincent Mercy Hospital

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Hospitals reporting to the Indiana Trauma Registry - Quarter 4 2014

District 7

Greene County General Hospital

Putnam County Hospital

St. Vincent Clay Hospital

Sullivan County Community
Hospital

Terre Haute Regional Hospital

Union Hospital (Terre Haute)

Union Hospital Clinton

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Hospitals reporting to the Indiana Trauma Registry - Quarter 4 2014

District 8

Columbus Regional Hospital
IU Health – Bedford Hospital
IU Health – Bloomington Hospital
IU Health – Paoli Hospital
Monroe Hospital
Schneck Medical Center
St. Vincent Salem Hospital

District 9

Clark Memorial Hospital
Dearborn County Hospital
Floyd Memorial Hospital and
Health Services
King's Daughters' Health
Margaret Mary Community
Hospital
Scott County Memorial Hospital

Email questions to: indianatrauma@isdh.in.gov

Hospitals reporting to the Indiana Trauma Registry - Quarter 4 2014

District 10

Daviess Community Hospital

Deaconess Hospital

Deaconess Gateway Hospital

~~Gibson General~~

Good Samaritan Hospital

Memorial Hospital & Health Care Center

Perry County Memorial Hospital

St. Mary's Medical Center of Evansville

St. Mary's Warrick Hospital

Email questions to: indianatrauma@isdh.in.gov

Summary of Hospitals Reporting Status- Q4 2014

New to Reporting / Started Reporting Again

- Community Hospital– Munster
- Fayette Regional Health System
- IU Health – Starke Hospital
- IU Health – White Memorial Hospital
- Reid Hospital & Health Care Services
- St Catherine Hospital – East Chicago
- Riverview Hospital

Dropped off

- Franciscan St Elizabeth – Lafayette Central
- Gibson General Hospital

Email questions to: indianatrauma@isdh.in.gov

Quarter 4 2014 Statewide Report

- 8,052 incidents
- October 1, 2014 – December 31, 2014
- 97 total hospitals reporting
 - 9 Level I and II Trauma Centers
 - 10 Level III Trauma Centers
 - 78 Non-Trauma Hospitals

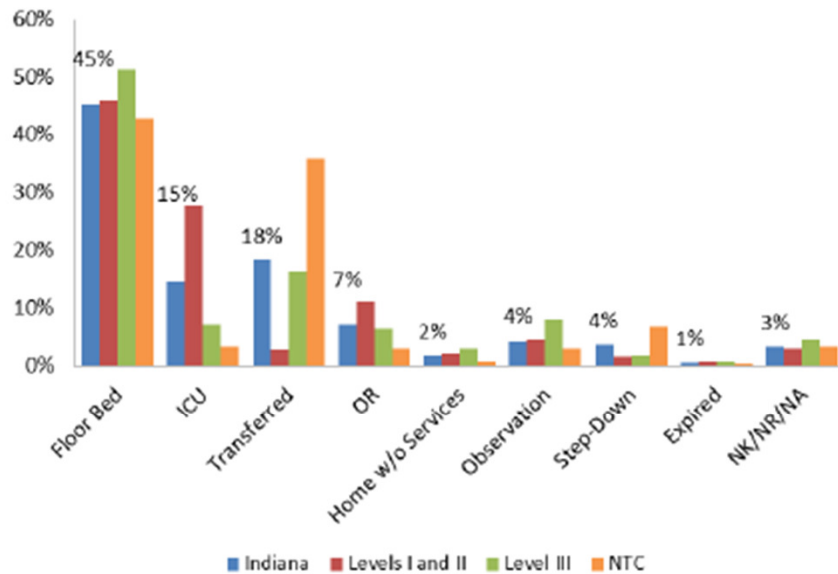


Indiana State
Department of Health

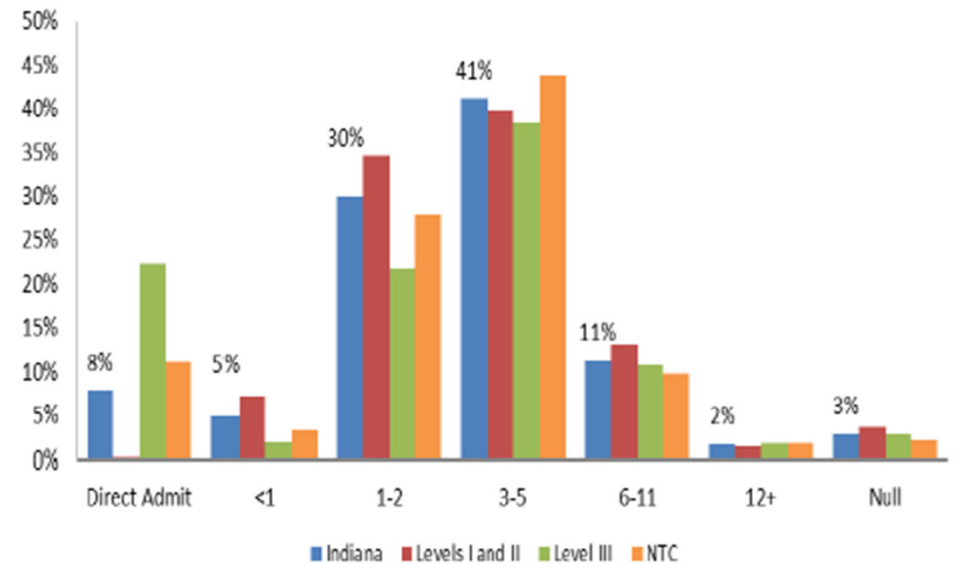
Email questions to: indianatrauma@isdh.in.gov

ED: Disposition / Length of Stay - Page 2

ED Disposition by Percentage



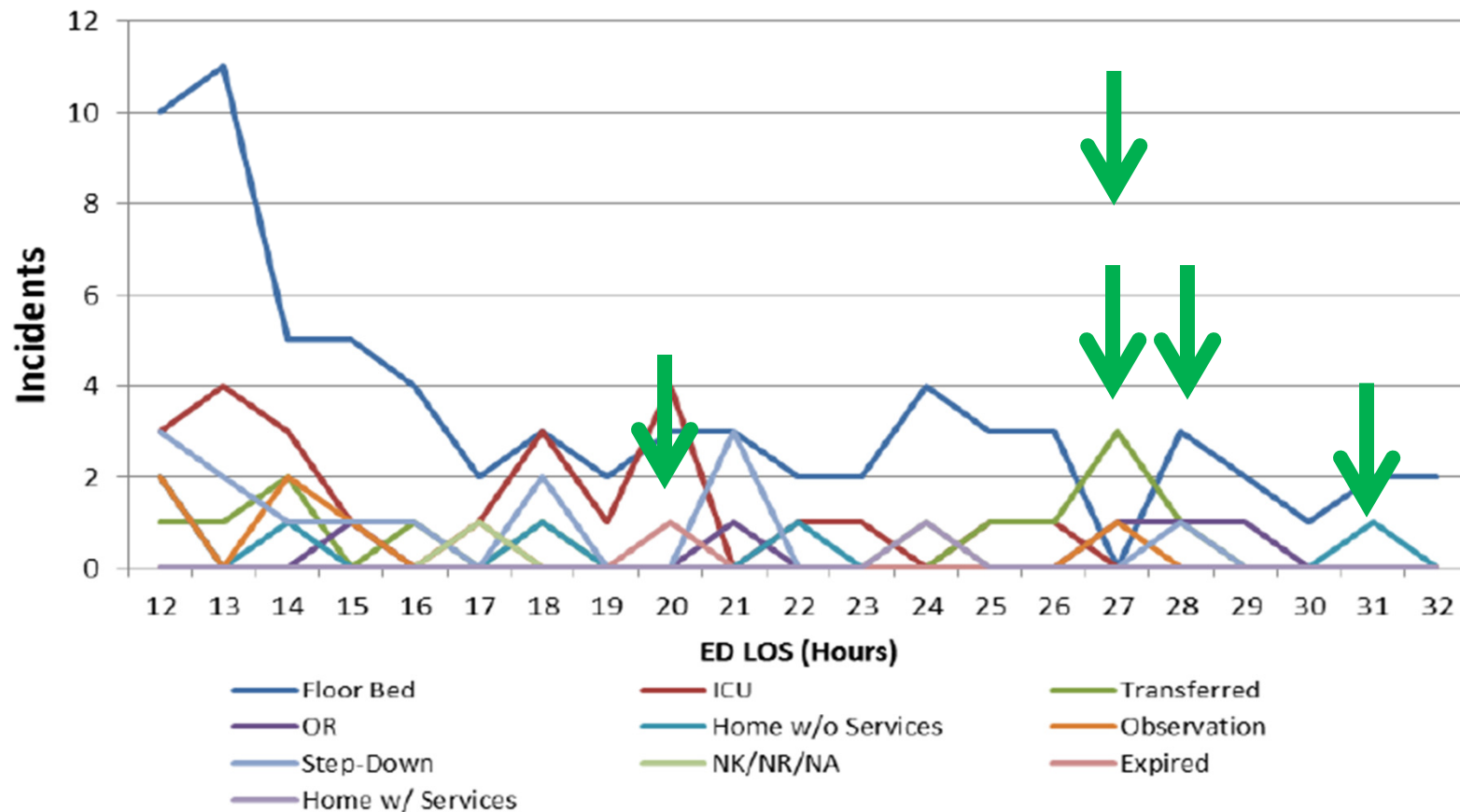
ED Length of Stay (Hours)



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ED LOS > 12 Hours - Page 3

ED Disposition for ED LOS >12 Hours

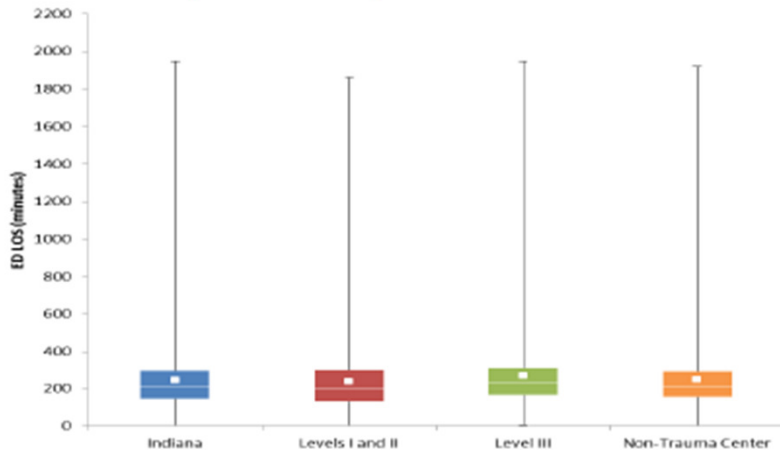


N=146 *One case expired > 12 hours

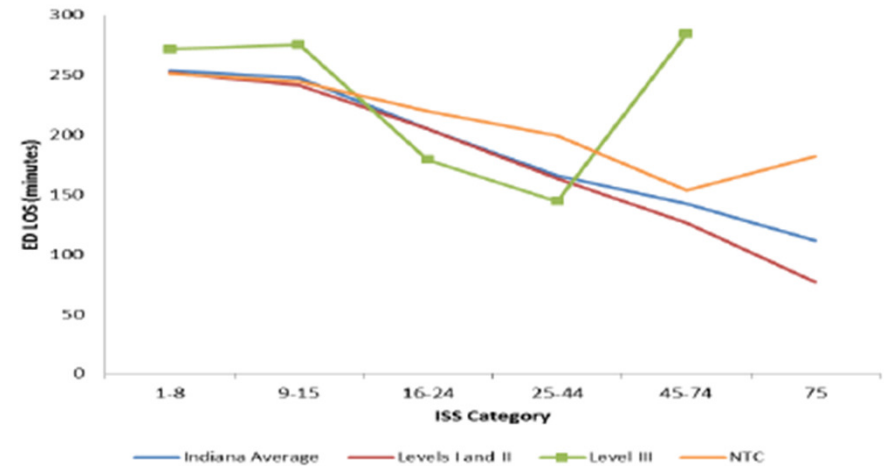
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ED Length of Stay: Bar & Whisker - Page 4

ED LOS (Minutes) - All Patients



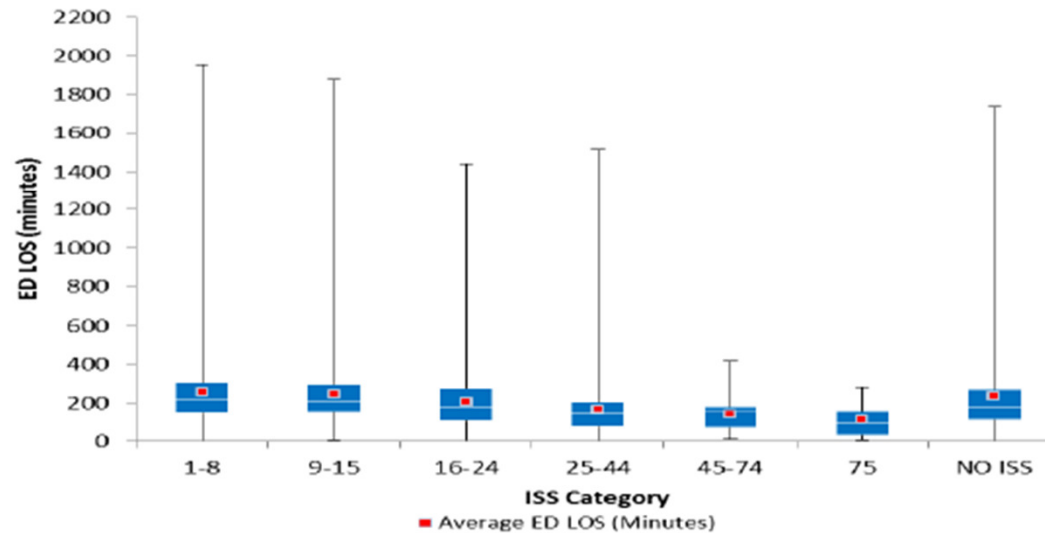
ED LOS (Minutes) by ISS



A table with all the values for ED LOS is found on page 47.

ED LOS (Minutes) by ISS

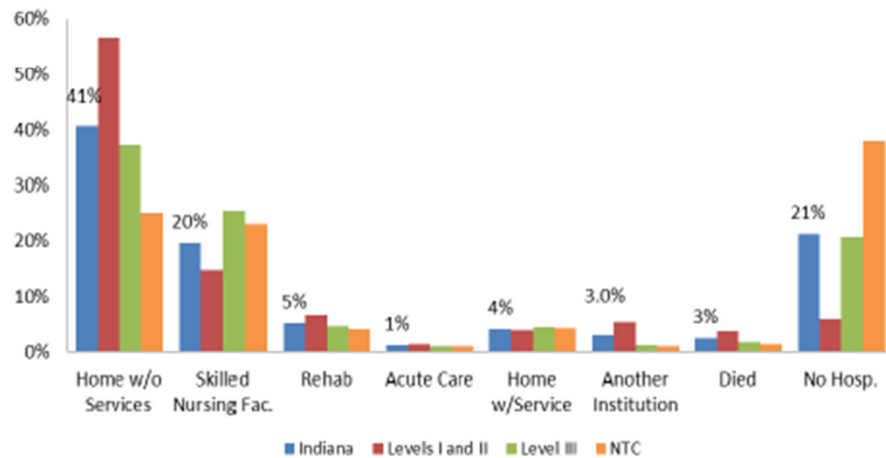
Note for EDLOS by ISS, there were 3 cases at Non-Trauma Centers with ISS greater than 45.



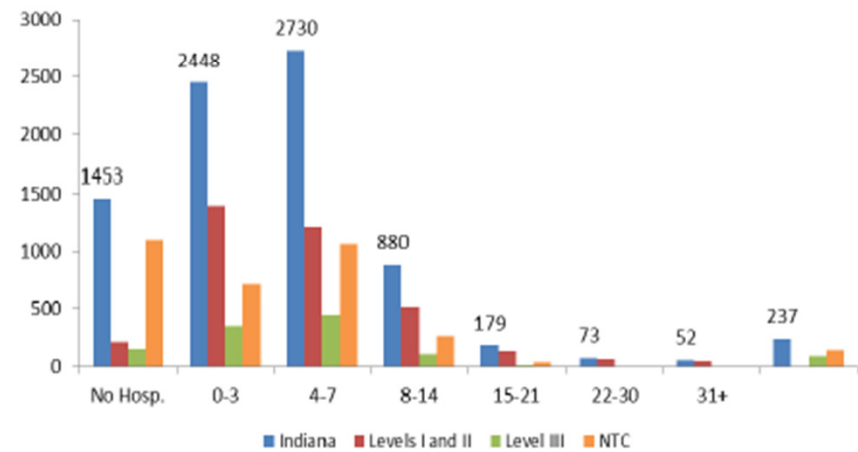
A table with values for ED LOS by ISS may be found on page 48.

Hospital Disposition and LOS - Page 5

Hospital Disposition



Hospital Length of Stay (days)

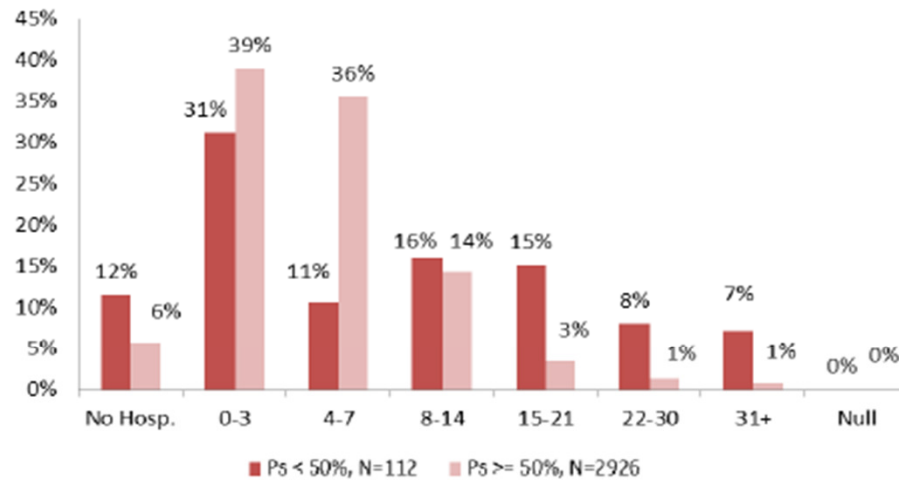


*There are new categories for the Hospital Disposition for the 2014 Data Dictionary
 <1%: null, psych., long term care hospital, AMS, hospice and intermediate care

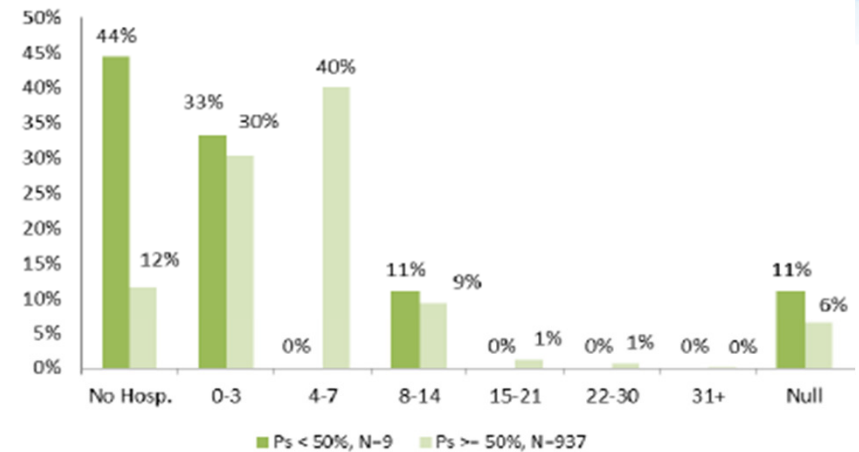
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Hospital LOS by Ps - Page 6

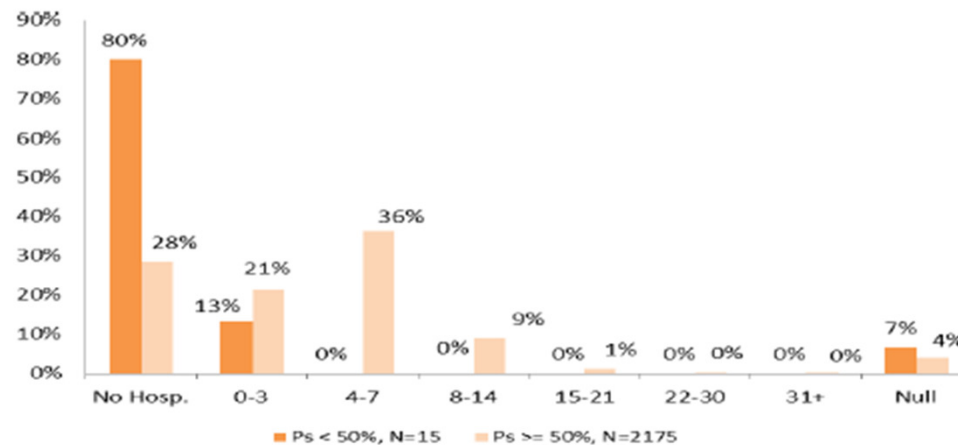
Hospital LOS (days) by Ps Levels I and II



Hospital LOS (days) by Ps Level III



Hospital LOS (days) by Ps Non-Trauma Centers



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ED Disposition Expired - Page 7

ED Disposition of Expired for Ps \geq 50%, N=7

Facilities	6 Non-Trauma Centers 1 Trauma Centers	ISS	2 (1-8 cat.); 2 (9-15 cat.); 1 (16-24 cat.); 2 (25-44 cat.)
Average Distance from Scene to Facility	8.5 Miles	RTS—Systolic	3.7 (2-4)
Transport Type	3 Ground ambulance; 3 Helicopter; 1 Private/Public Vehicle/Walk-In	RTS—GCS Scale	1.7 (0-4)
Trauma Type	6 Blunt; 1 Penetrating	RTS—Resp. Scale	3.1 (3-4)
Cause of Injury	3 Falls; 3 MVC; 1 Firearm	RTS	5.2 (3.8-7.8)
Signs of Life	5 Yes; 2 Missing	B Value	1.3 (0.1-3.8)
Age	63.3 Years (3-86 Years)	Ps	0.7 (0.5-0.98)
Gender	2 Female; 5 Male	Resp. Assistance	2 Yes; 5 No
Interfacility Transfer	1 Yes; 6 No	ED LOS	1.7 hours (0.5-3.3 hours)
Region	5 North; 1 Central; 1 Missing		

-Region was created from injury zip code.

-Numbers represent counts per category or mean with minimum and maximum in parentheses.

ED LOS > 12 Hours - Page 8

ED LOS > 12 Hours, N=110

Facilities	53 Level I and II 18 Level III 39 Non-trauma Centers	ISS	65 (1-8 cat); 39 (9-15 cat); 2 (16-24); 3 (25-44); 1 (No ISS)
Average Distance from Scene to Facility	8.0 Miles	RTS—Systolic	4 (4-4)
Transport Type	79 Ambulance; 4 Helicopter, 27 Private Vehicle/Walk-In	RTS—GCS Scale	3.8 (0-4)
Trauma Type	104 Blunt; 6 Penetrating	RTS—Resp. Scale	3 (3-4)
Cause of Injury	72 Fall; 22 MVC; 4 Struck by, Against; 4 Firearm; 5 Transport; 2 Cut/Pierce; 1 Bicyclist	RTS	7.4 (3.8-7.8)
Signs of Life	107 Yes; 1 No; 1 NA	B Value	3.96 (0.4-5.6)
Age	58.5 Years (4-96 Years)	Ps	0.97 (0.61-0.996)
Gender	51 Female; 58 Male; 1 NK	Resp. Assistance	8 Yes; 96 No; 6 NK
Interfacility Transfer	16 Yes; 94 No	ED LOS	18.9 (12-32.5)
Region	32 North; 55 Central; 3 South; 20 Unknown		
ED Disposition	57 Floor Bed; 4 Home w/o Services; 22 ICU; 1 NA; 3 Observation	7 OR; 8 Telemetry/Step-Down Unit; 8 Transferred	

-Region was created from injury zip code.

-Numbers represent counts per category or mean with minimum and maximum in parentheses.

Trauma Centers - Page 9

ED Dispo ≠ Expired, Hospital Dispo = Expired for Ps ≥ 50%, N=101, Trauma Centers

Interfacility Transfer	38 Yes	Interfacility Transfer	63 No
Average Distance from Scene to Facility	15.6 Miles	Average Distance from Scene to Facility	9.5 Miles
Transport Type	26 Ambulance; 12 Helicopter	Transport Type	51 Ambulance; 10 Helicopter; 1 Fixed Wing; 1 Private Vehicle
Trauma Type	32 Blunt; 3 Penetrating; 1 Burn; 2 Other	Trauma Type	48 Blunt; 8 Penetrating; 3 Burn; 4 Other
Cause of Injury	24 Fall; 7 MVC; 3 Firearm; 1 Fire/Burn; 1 Transport; 2 Not Categorized	Cause of Injury	35 Fall; 10 MVC; 8 Firearm; 3 Fire/Burn; 1 Transport; 2 Struck By, Against; 4 Not Categorized
Signs of Life	27 Yes; 11 No	Signs of Life	50 Yes; 13 Unknown
Age	68 Years (27-91 Years)	Age	71 Years (19-96 Years)
Gender	13 Female; 25 Male	Gender	24 Female; 39 Male
Region	2 North; 19 Central; 7 South	Region	22 North; 26 Central; 10 South
ISS	5 (1-8); 8 (9-15); 7 (16-24); 16 (25-44); 1 (45-74); 1 (75)	ISS	10 (1-8); 17 (9-15); 15 (16-24); 18 (25-44); 3 (45-74)
RTS—Systolic	4 (4-4)	RTS—Systolic	3.9 (2-4)
RTS—GCS Scale	2.5 (0-4)	RTS—GCS Scale	3.4 (0-4)
RTS—Resp. Scale	3 (3-4)	RTS—Resp. Scale	3 (0-4)
RTS	6.2 (3.8-7.6)	RTS	6.9 (3.8-7.8)
B Value	1.8 (0.12-3.6)	B Value	2.3 (0.04-3.8)
Ps	0.8 (0.5-0.97)	Ps	0.9 (0.5—0.98)
Resp. Assistance	19 Yes; 19 No	Resp. Assistance	17 Yes; 41 No; 5 Unknown
ED LOS	2.5 Hours (0.6-6.9 Hours)	ED LOS	3.7 Hours (0.45-26.95 Hours)

-Region was created from injury zip code.

-Numbers represent counts per category or mean with minimum and maximum in parentheses.

Non-Trauma Centers - Page 10

ED Dispo ≠ Expired, Hospital Dispo = Expired for Ps ≥ 50%, N=45, Non-trauma Centers

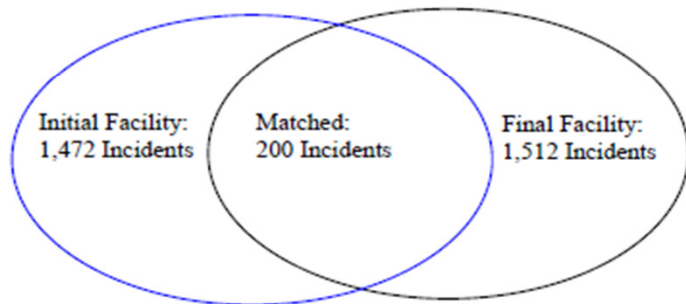
Interfacility Transfer	2 Yes		Interfacility Transfer	43 No
Average Distance from Scene to Facility	5.8 Miles		Average Distance from Scene to Facility	7.5 Miles
Transport Type	2 Ambulance		Transport Type	35 Ambulance; 6 Private Vehicle; 2 NK
Trauma Type	1 Blunt; 1 Unknown		Trauma Type	41 Blunt; 2 Other
Cause of Injury	2 Falls		Cause of Injury	41 Falls; 1 Bites/Stings; 1 Not Categorized
Signs of Life	2 Yes		Signs of Life	43 Yes
Age	Geriatric		Age	81.6 Years (50-103 Years)
Gender	2 Male		Gender	23 Females; 20 Males
Region			Region	12 North; 17 Central; 11 South
ISS	2 (9-15)		ISS	13 (1-8); 26 (9-15); 2 (16-24); 2 (25-44)
RTS—Systolic	4		RTS—Systolic	3.9 (2-4)
RTS—GCS Scale	4		RTS—GCS Scale	3.6 (0-4)
RTS—Resp. Scale	3		RTS—Resp. Scale	3.08 (3-4)
RTS	7.55		RTS	7.4 (4.7-7.8)
B Value	3.16		B Value	3.25 (0.9-5.5)
Ps	0.96		Ps	0.95 (0.7-0.996)
Resp. Assistance	1 Yes; 1 No		Resp. Assistance	12 Yes; 22 No; 9 Unknown
ED LOS	1 Unknown; 1 Direct Admit		ED LOS	4.79 Hours (1.15-13.6)

-Region was created from injury zip code.

-Numbers represent counts per category or mean with minimum and maximum in parentheses.

Linking - Page 11

For Quarter 4, 2014, of the 8,052 incidents reported to the Indiana Trauma Registry, 1472 cases that had an ED Disposition of “Transferred to another acute care facility” at the initial facility or that had the Inter-Facility Transfer equal to “Yes” at the Trauma Center. Of those transferred, 200 cases were probabilistically matched. The linked cases make up 6.7% of the Q4 2014 data. All public health preparedness districts are represented. The diagram below illustrates the overlap between the transfers reported from the initial facility and from the final facility that can be matched.



The initial facility in which transfers come from may be considered Critical Access Hospitals (CAHs). All Indiana CAHs are considered Rural, and must meet additional requirements to have a CAH designation, such as having no more than 25 inpatient beds and being located in a rural area. Facilities that are highlighted indicate that these facilities reported data for Quarter 4, 2014.

Within this transfer data section, the purple columns represent the transfer cases and the single percentages represent the percent for the transfer cases. For two demographic variables, patient age groupings and gender, the Indiana average is included to provide more insight to this transfer population.

Indiana Critical Access Hospitals (CAHs)

Adams Memorial Hospital	Pulaski Memorial Hospital
Cameron Memorial Community Hospital Inc	Putnam County Hospital
Community Hospital of Bremen Inc	Rush Memorial Hospital
Decatur County Memorial Hospital	Scott Memorial Hospital
Dukes Memorial Hospital	St Vincent Frankfort Hospital Inc
Gibson General Hospital	St Vincent Jennings Hospital Inc
Greene County General Hospital	St Vincent Mercy Hospital
Harrison County Hospital	St Vincent Randolph Hospital Inc
IU Health Bedford Hospital	St Vincent Salem Hospital Inc
IU Health Blackford Hospital	St. Mary's Warrick Hospital Inc
IU Health Paoli Hospital	St. Vincent Clay Hospital Inc
IU Health Tipton Hospital	St. Vincent Dunn Hospital Inc
IU Health White Memorial Hospital	St. Vincent Williamsport Hospital, Inc.
Jasper County Hospital	Sullivan County Community Hospital
Jay County Hospital	Union Hospital Clinton
Margaret Mary Community Hospital Inc	Wabash County Hospital
Parkview LaGrange Hospital	Woodlawn Hospital
Perry County Memorial Hospital	

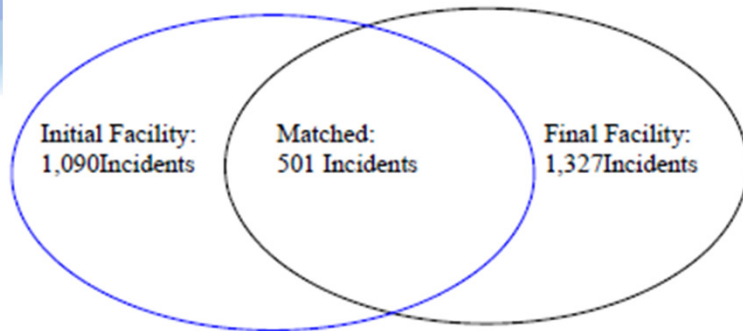
Rural Hospitals

Columbus Regional Hospital	King's Daughters' Health
Daviess Community Hospital	Kosciusko Community Hospital
Doctor's Neuromedical	Marion General Hospital
Fayette Regional Health System	Memorial Hospital
Franciscan St Anthony Health - Michigan City	Memorial Hospital and Health Care Center
Franciscan St Elizabeth Health - Crawfordsville	Parkview Noble Hospital
Good Samaritan Hospital	Reid Hospital & Health Care Services
Henry County Memorial Hospital	Saint Joseph RMC - Plymouth
Indiana University Health La Porte Hospital	Schneck Medical Center
Indiana University Health Starke Hospital	

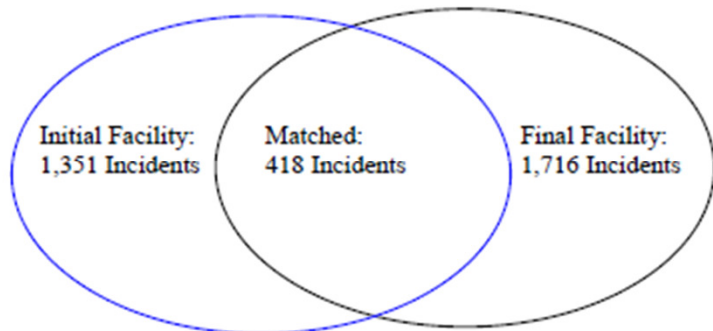
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Historical Links - Page 12

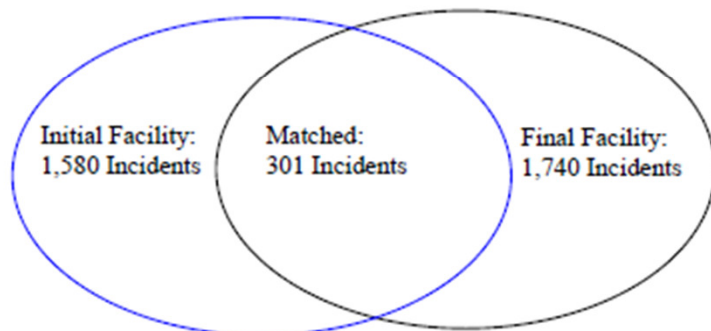
Historical Links



For Quarter 1 2014, of the 6,824 incidents reported to the Indiana Trauma Registry, 1,090 cases that had an ED Disposition of “Transferred to another acute care facility” at the initial facility or that had the Inter-Facility Transfer equal to “Yes” at the Trauma Center. Of those transferred, 501 cases were probabilistically matched. The linked cases make up 14.7% of the Q1 2014 data. All public health preparedness districts are represented. The diagram below illustrates the overlap between the transfers reported from the initial facility and from the final facility that can be matched.



For Quarter 2, 2014, of the 8,272 incidents reported to the Indiana Trauma Registry, 1,716 cases that had an ED Disposition of “Transferred to another acute care facility” at the initial facility or that had the Inter-Facility Transfer equal to “Yes” at the Trauma Center. Of those transferred, 418 cases were probabilistically matched. The linked cases make up 13.7% of the Q2 2014 data. All public health preparedness districts are represented. The diagram below illustrates the overlap between the transfers reported from the initial facility and from the final facility that can be matched.



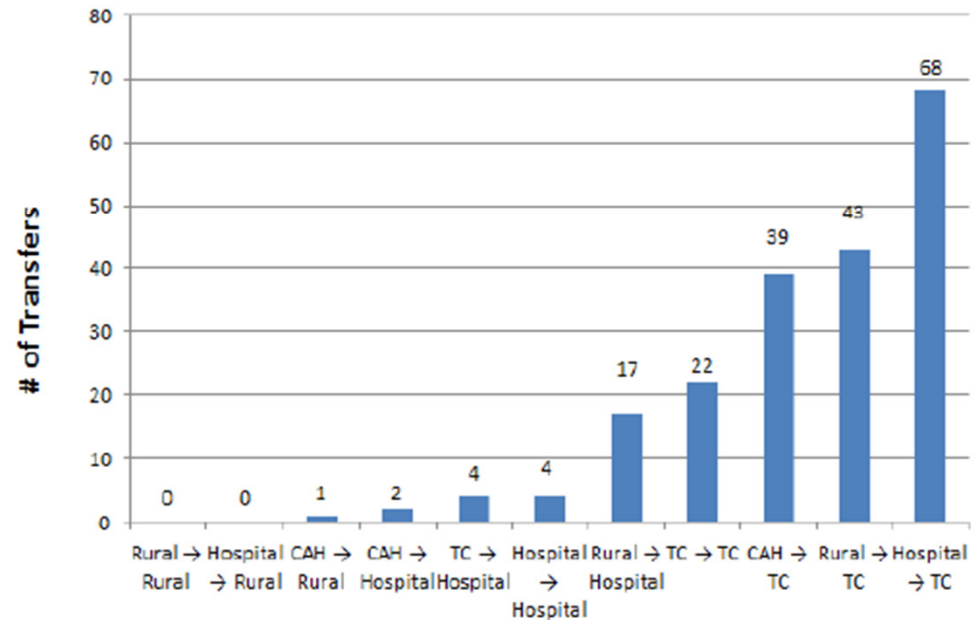
For Quarter 3, 2014, of the 8,814 incidents reported to the Indiana Trauma Registry, 1,580 cases that had an ED Disposition of “Transferred to another acute care facility” at the initial facility or that had the Inter-Facility Transfer equal to “Yes” at the Trauma Center. Of those transferred, 301 cases were probabilistically matched. The linked cases make up 9.1% of the Q3 2014 data. All public health preparedness districts are represented. The diagram below illustrates the overlap between the transfers reported from the initial facility and from the final facility that can be matched.

Transfer Patient: Facility Type - Page 13

Facility to Facility Transfers

For Transfer Patients:		
Initial Hospital Type	Final Hospital Type	Incident Counts
Rural Hospital	Rural Hospital	0
Hospital	Rural Hospital	0
Critical Access Hospital	Rural	1
Critical Access Hospital	Hospital	2
Trauma Center	Hospital	4
Hospital	Hospital	4
Rural Hospital	Hospital	17
Trauma Center	Trauma Center	22
Critical Access Hospital	Trauma Center	39
Rural Hospital	Trauma Center	43
Hospital	Trauma Center	68

Facility Transfer Type



Rural = Rural Hospital; TC = ACS Verified or In Process Trauma Center; CAH = Critical Access Hospital; Hospital = does not fall into above categories

Linked Transfer Patient Averages - Page 14

For Linked Transfer Patients:

For Transfer Patients:					
	All Transfer Patients	Critical*	Physiological Critical**	ISS Critical***	<u><i>P_s < 0.5****</i></u>
Number of Patients	200	126	118	19	1
EMS Notified to Scene	8 minutes	7.1 minutes	7.2 minutes	9.4 minutes	-
EMS Scene Arrival to Departure	15.9 minutes	15.8 minutes	14.5 minutes	22.4 minutes	-
EMS Scene Departure to Initial Hospital ED Arrival	18.1 minutes	18.6 minutes	18.5 minutes	23.7 minutes	-
Initial Hospital ED Arrival to Departure	2 hours 48.2 minutes	2 hours 46.7 minutes	2 hours 49.5 minutes	1 hour 50.1 minutes	40 minutes
Initial Hospital ED Departure to Final Hospital ED Arrival	1 hour 22.7 minutes	1 hour 5.3 minutes	1 hour 4 minutes	1 hour 42.7 minutes	1 hour 1 minute
TOTAL TIME	4 hours 52.9 minutes	4 hours 33.5 minutes	4 hours 33.7 minutes	4 hours 28.3 minutes	

*Critical patient is defined as having a GCS ≤ 12 , OR Shock Index > 0.9 OR ISS > 15 at the initial hospital.

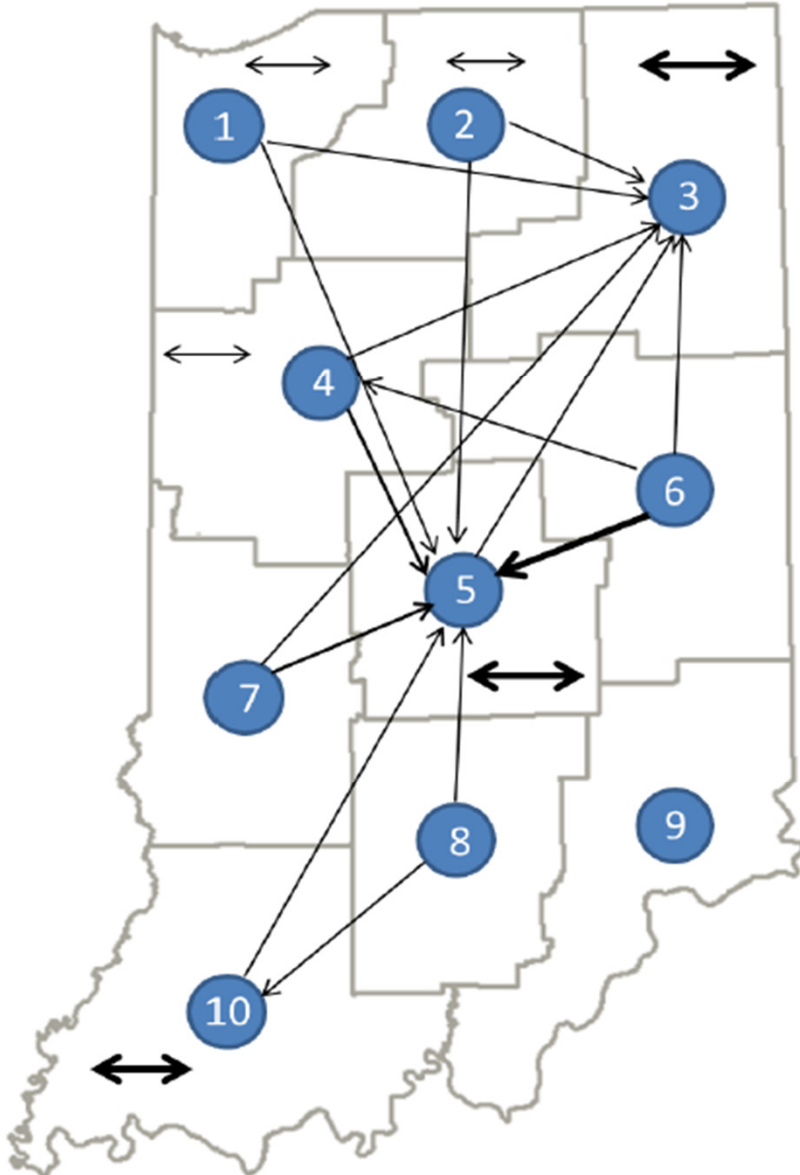
**Physiological Critical Transfer patient is defined as having a Shock Index > 0.9 OR GCS ≤ 12 at the initial hospital.

***ISS Critical Transfer patient is defined as having an ISS > 15 .

****Patients with a probability of survival ≤ 0.5 .

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Transfer Patient Data - Page 15



For Transfer Patients:		
Public Health Preparedness District Initial Hospital	Public Health Preparedness District Final Hospital	Incident Counts
1	1	4
1	3	2
1	5	9
2	2	1
2	3	3
2	5	3
3	3	39
4	3	2
4	4	1
4	5	12
5	3	3
5	5	34
6	3	3
6	4	2
6	5	36
7	3	1
7	5	14
8	5	7
8	10	1
10	5	2
10	10	21

*The thickness of the line indicates the frequency of transfers out of or within the public health preparedness district. The circles represent transfers from a specific PHPD, not of a specific hospital or county.

Transfer Patient Data - Page 16

For Linked Transfer Patients:

For Transfer Patients:					
	All Transfer Patients	<i>Critical*</i>	<i>Physiological Critical**</i>	<i>ISS Critical***</i>	<u><i>Ps <0.5****</i></u>
Number of Patients	200	126	118	19	1
Total Time	4 hours 52.9 minutes	4 hours 33.5 minutes	4 hours 33.7 minutes	4 hours 28.3 minutes	1 hours 1 minute
Total Mileage	58.2	58.2	64.7	66.7	51.2
Injury Scene to Initial Hospital Mileage***	8.6	8.6	9.8	9.3	1.2
Initial Facility to Final Facility Mileage	49.7	49.7	54.9	57.5	50

Estimated Average Distance (miles) by Region (region of final hospital):

Region	Injury Scene to Initial Facility Mileage†	Initial Facility to Final Facility Mileage	Total Mileage	Drive Count	Air Count
Indiana Average	8.6	49.7	58.2	159	41
North Region	6.9	41.5	48.4	82	11
Central Region	10	59.7	69.7	59	23
South Region	10	47.3	57.2	18	7

*Critical patient is defined as having a GCS \leq 12, OR Shock Index $>$ 0.9 OR ISS $>$ 15 at the initial hospital.

**Physiological Critical Transfer patient is defined as having a Shock Index $>$ 0.9 OR GCS \leq 12 at the initial hospital.

*** ISS Critical Transfer patient is defined as ISS $>$ 15 at the initial hospital.

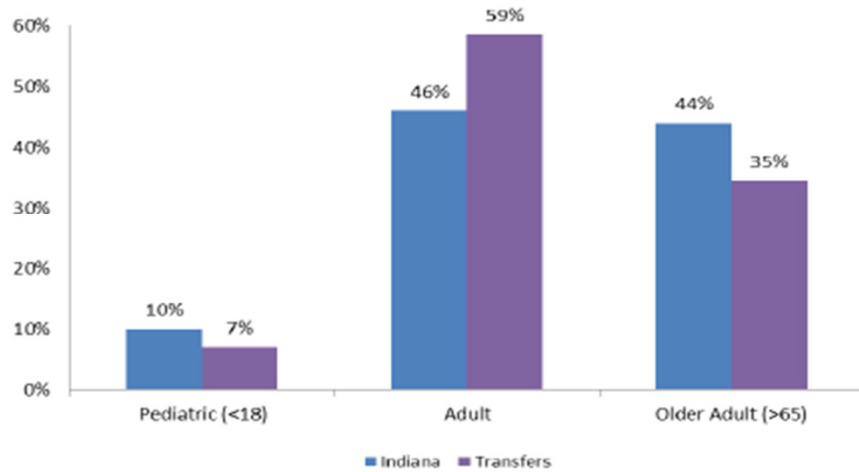
****Probability of Survival $<$ 0.5

†Injury Scene to Initial Facility Mileage location estimated by zip code centroid

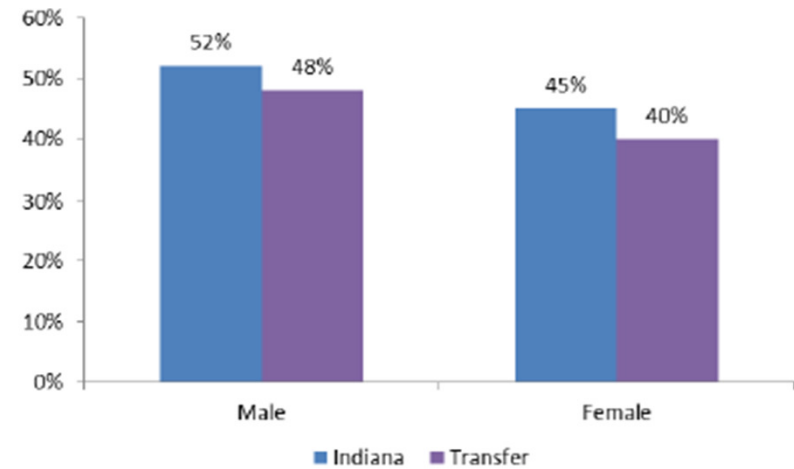
Statistics for Estimated Average Distance by Region calculated by Public Health Geographics, Epidemiology Resource Center, ISDH

Transfer Patient Population - Page 17

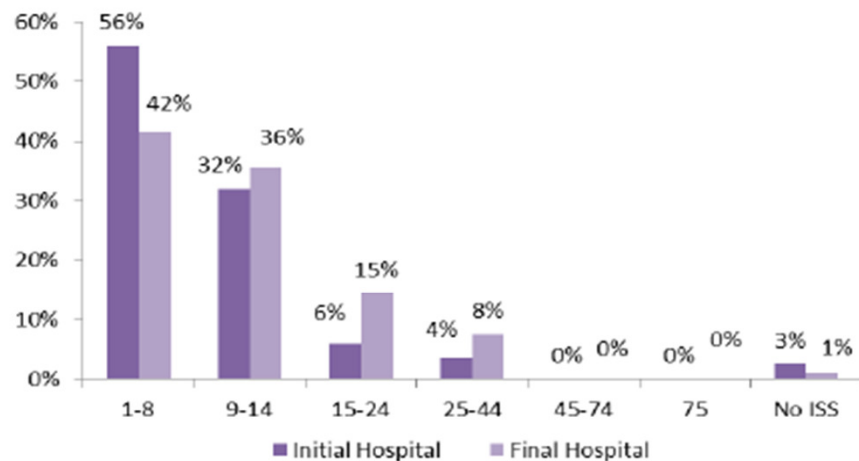
Patient Age Groupings



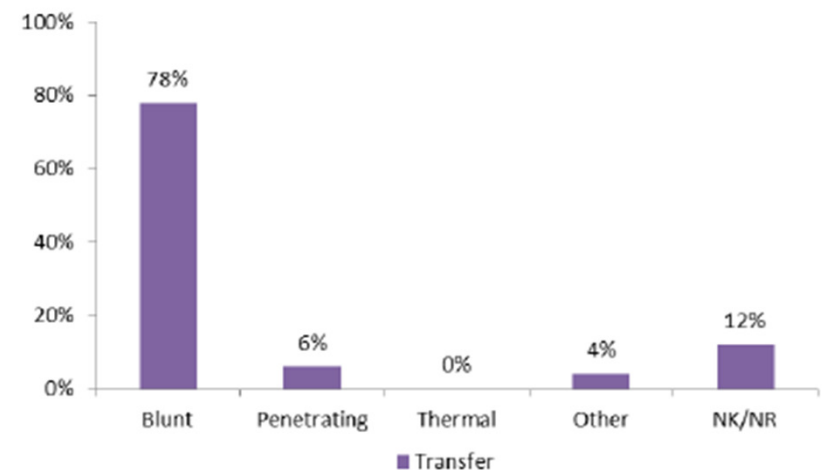
Patient Gender



Injury Severity Score (ISS)

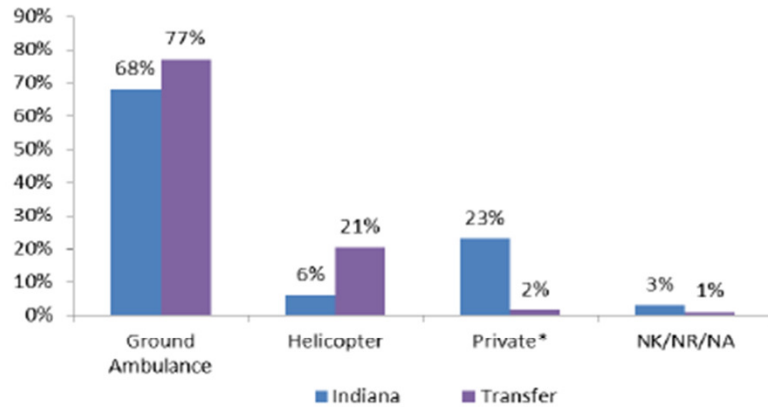


Trauma Type- Final Hospital



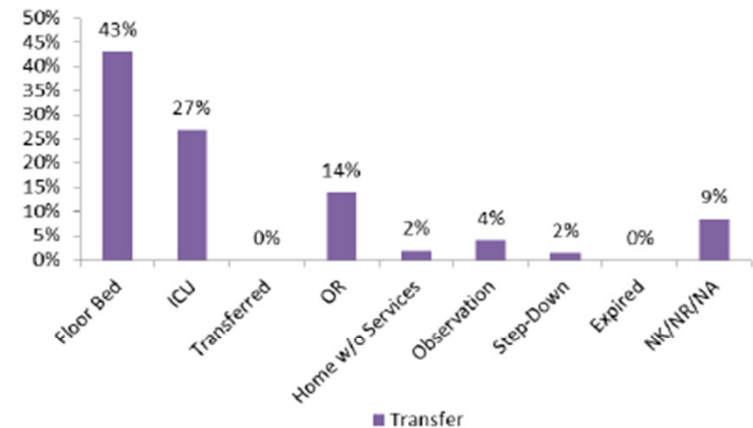
Transfer Patient Population - Page 18

Transport Mode- Final Hospital

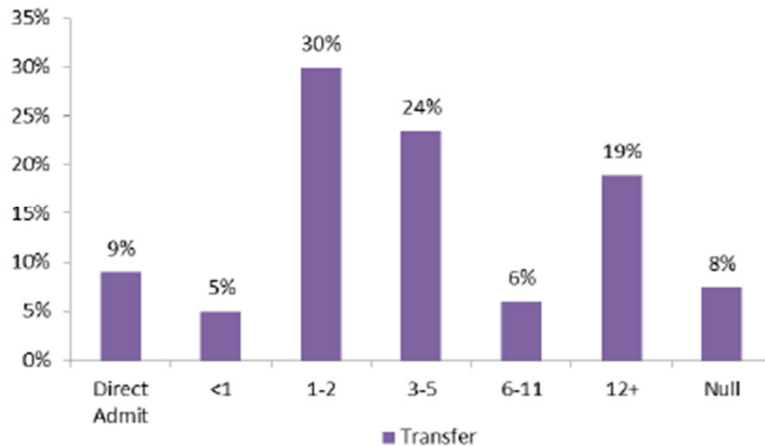


<1% Transport Mode: Police, Other * Indicates Private/ Public Vehicle, Walk-in

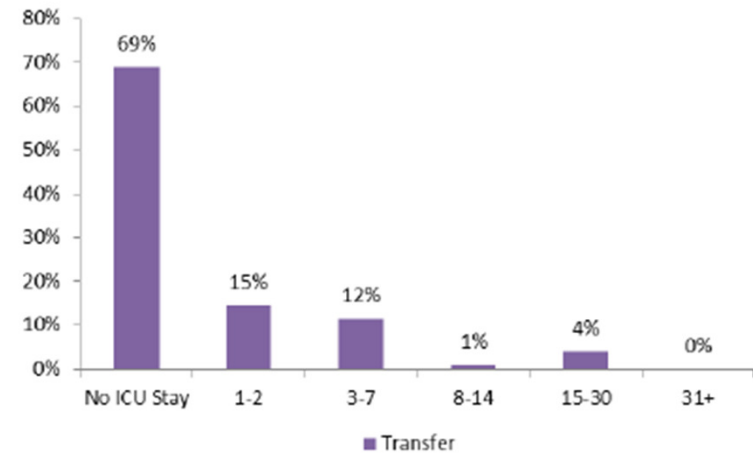
ED Disposition by Percentage- Final Hospital



ED Length of Stay (hours)- Final Hospital

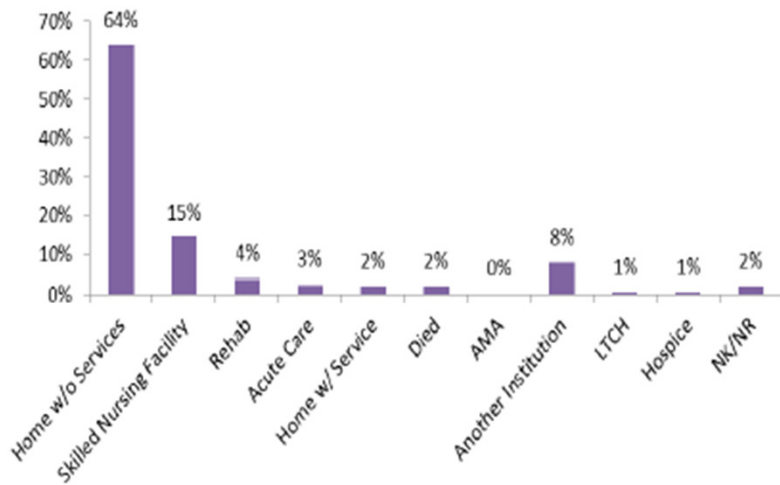


ICU Length of Stay (days)- Final Hospital

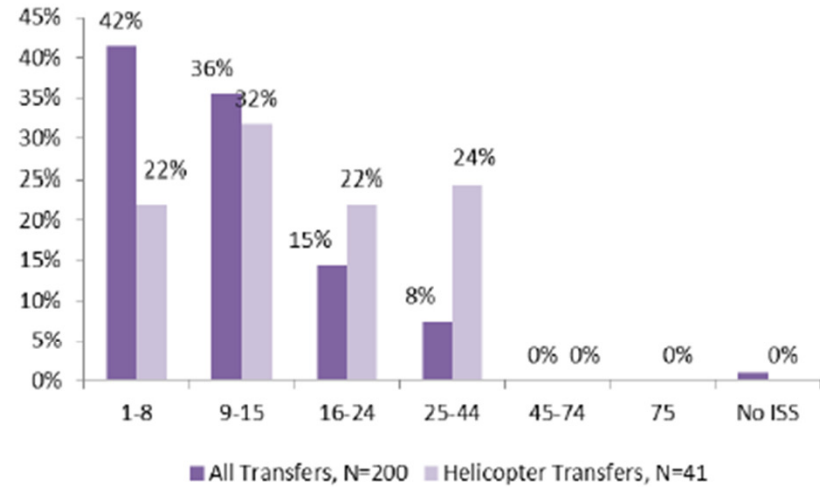


Transfer Patient Population - Page 19

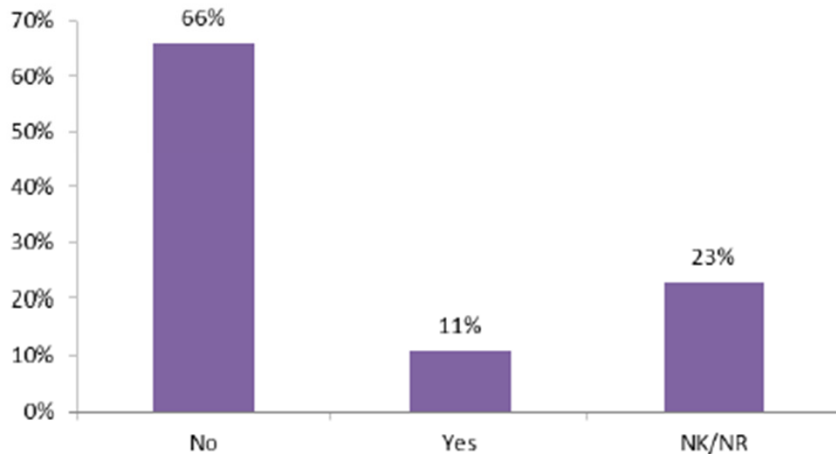
Discharge Disposition- Final Hospital



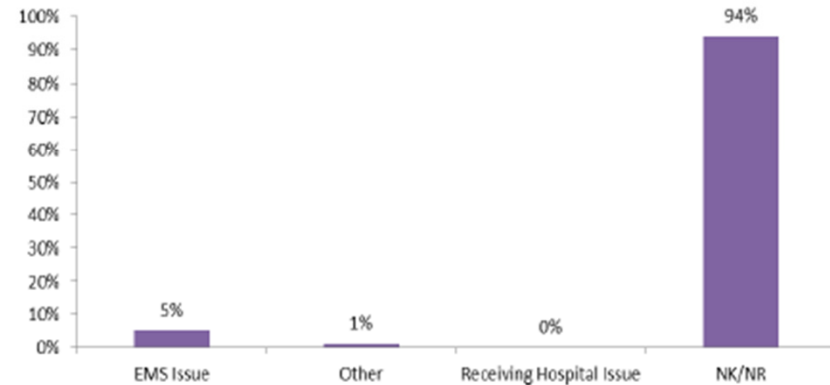
Helicopter Transfers by ISS- Final Hospital



Transfer Delay Indicated- Initial Hospital



Initial Facility Transfer Delay Reason

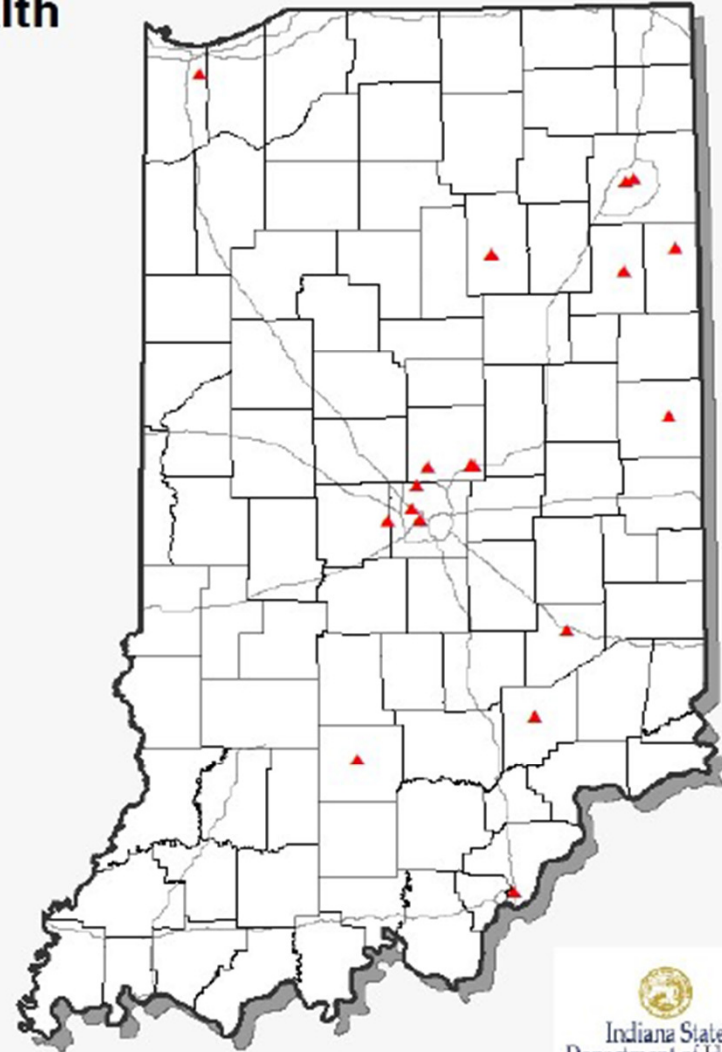


Not Reporting Map - Page 20

Indiana State Department of Health Indiana Trauma Registry

Hospitals Not Reporting Trauma Data
to the Indiana Trauma Registry

Adams Memorial Hospital
Bluffton Regional Medical Center
Community Westview Hospital
Decatur County Memorial Hospital
IU Health - Saxony Hospital
IU Health - West Hospital
Kentuckiana Medical Center
Parkview Wabash Hospital
Richard L Roudebush VA Medical Center
St. Joseph Hospital (Fort Wayne)
St. Mary Medical Center Hobart
St. Vincent - Carmel Hospital
St. Vincent - Dunn Hospital
St. Vincent - Fishers Hospital
St. Vincent - Jennings Hospital
St. Vincent - Peyton Manning Children's Hospital
St. Vincent - Randolph Hospital
VA Northern IN Healthcare System



Not reporting as of 5/1/2015

Map Author: ISDH ERIC PHIS and ISDH Trauma & Injury Prevention - May 2015

Reporting Map - Page 50

Indiana State Department of Health Indiana Trauma Registry

Hospitals Reporting Trauma Data

Quarter 4, 2014

October 1- December 31, 2014

I II Level I and II Trauma Centers

Deaconess Hospital
Eskenazi Health

IU Health - Methodist Hospital
Lutheran Hospital of Indiana
Memorial Hospital of South Bend
Parkview Regional Medical Center
Riley Hospital for Children at IU Health
St. Mary's Medical Center of Evansville
St. Vincent Indianapolis Hospital

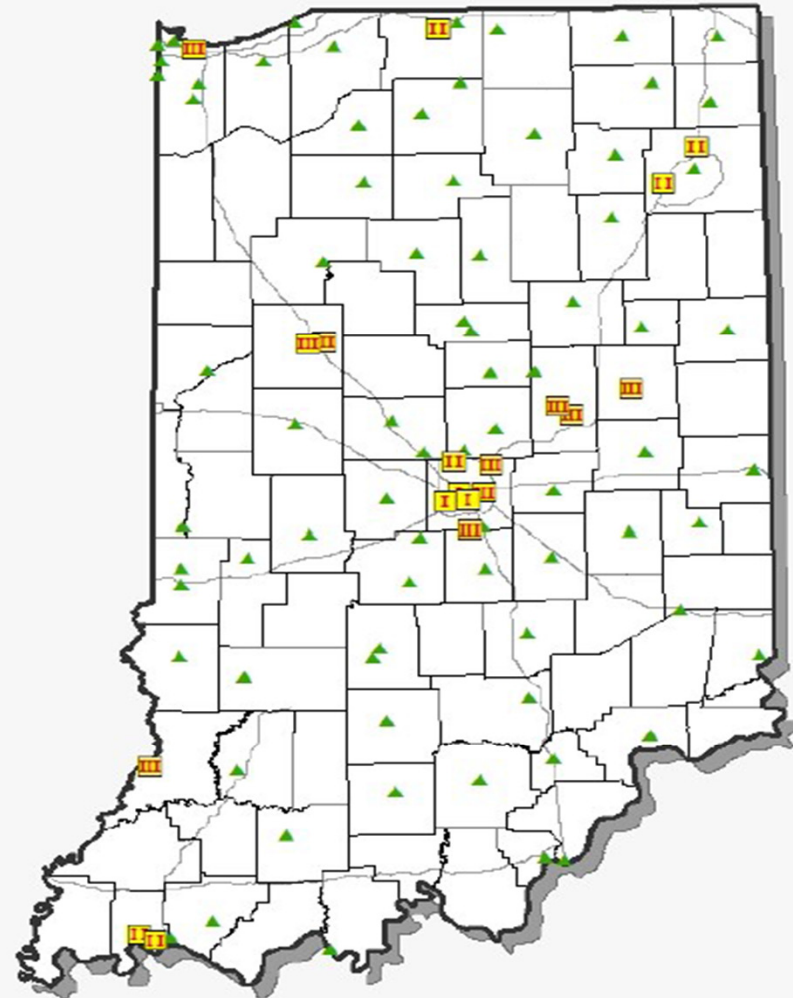
III Level III Trauma Centers

Community Hospital of Anderson
Community Hospital - East
Community Hospital - North
Community Hospital - South
Franciscan St. Elizabeth East Hospital
Good Samaritan Hospital
IU Health - Arnett Hospital
IU Health - Ball Memorial Hospital
Methodist Hospital - Northlake Campus
St. Vincent Anderson Regional Hospital

▲ Non-Trauma Hospitals

78 Non-Trauma Hospitals

Hospital categories include Verified and "In the Process" Trauma Centers



Map Author: ISDH ERCPHG and ISDH Trauma & Injury Prevention - May 2015

Questions?



Indiana State
Department of Health

Linked Data Between Trauma & EMS

- 379 probabilistically linked cases for Q4 2014 between the EMS Registry and Trauma Registry

Email questions to: indianatrauma@isdh.in.gov

ISDH EMS Registry Data

- 130,586 traumatic injury incidents
 - Possible Injury indicated
 - Provider Primary Impression
 - Provider Secondary Impression
 - Complaint Reported by Dispatch is trauma injury
- January 1, 2013 to May 12, 2015
- 185 total providers reporting

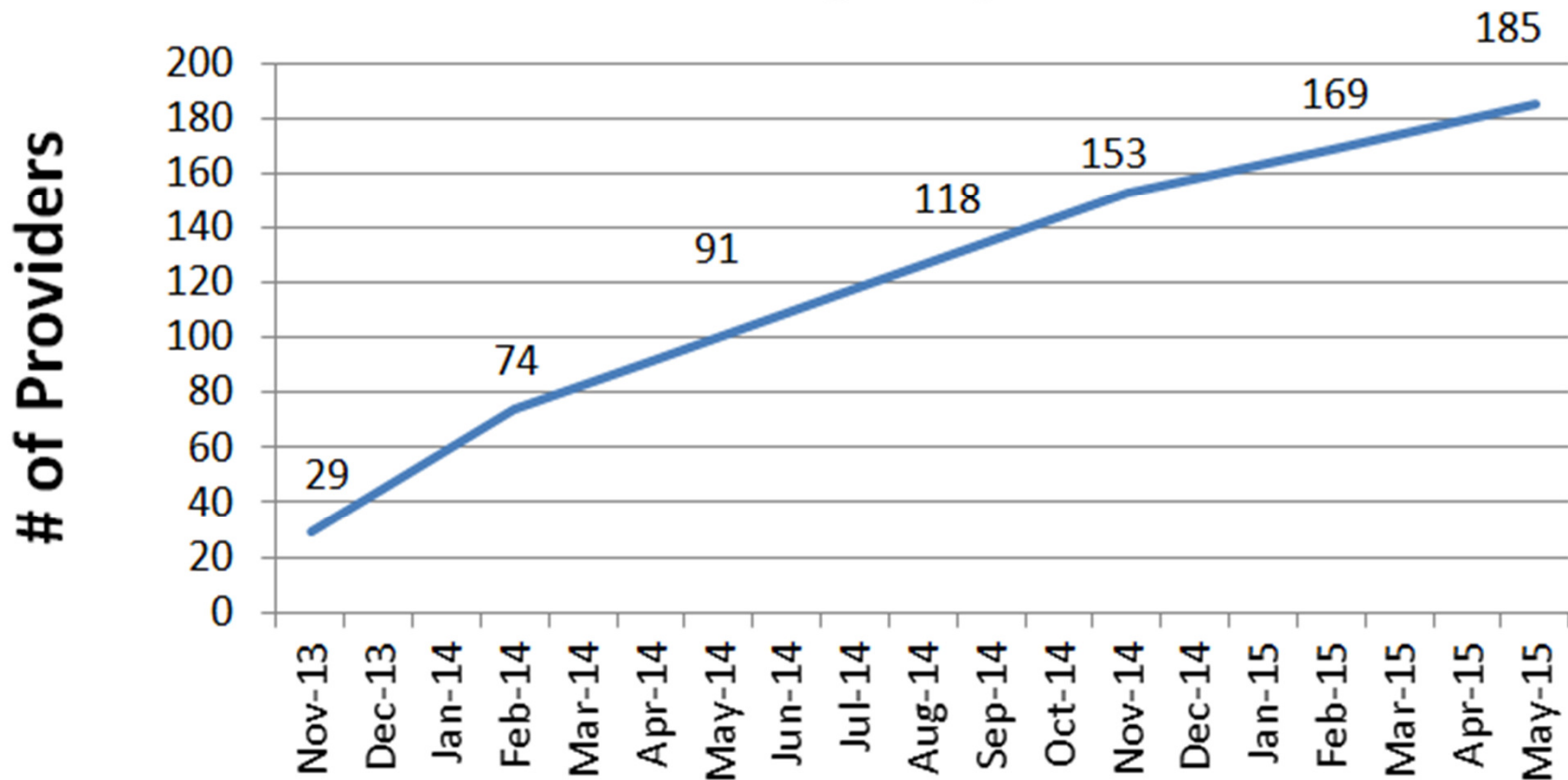
**986,489 runs in the
ISDH EMS Registry**



Indiana State
Department of Health

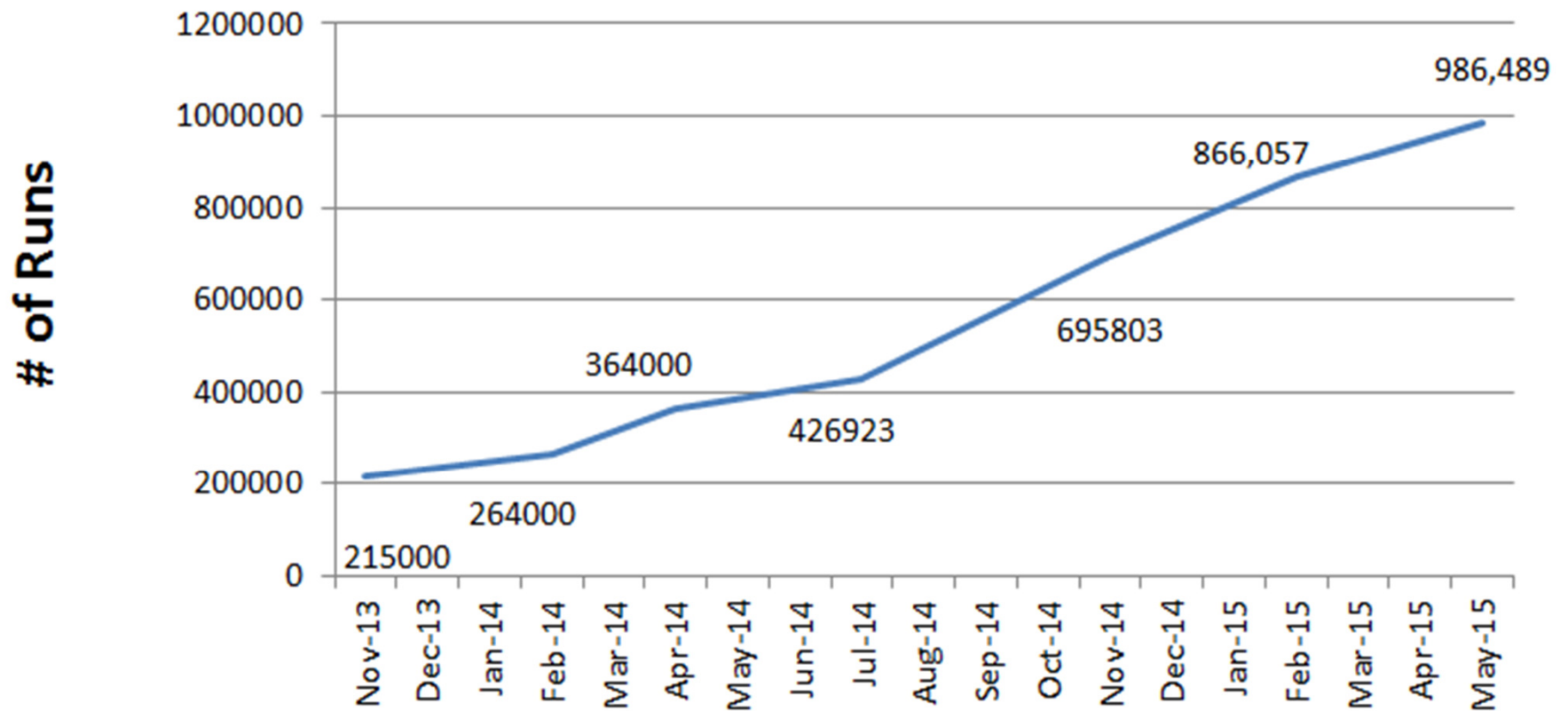
ISDH EMS Registry Data

EMS Registry



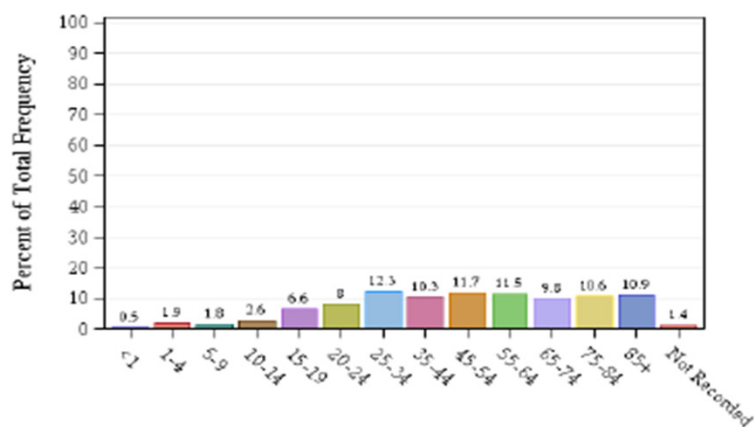
ISDH EMS Registry Data

EMS Registry



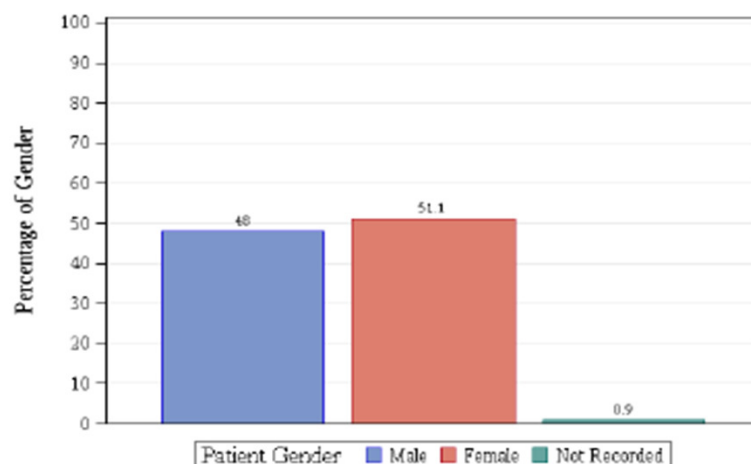
Indiana Trauma Registry - Prehospital Data Report
130,586 Traumatic Injury Incidents*
01/01/2013 - 5/12/2015 185 Total Providers Reporting

Patient Age Groupings (Years)



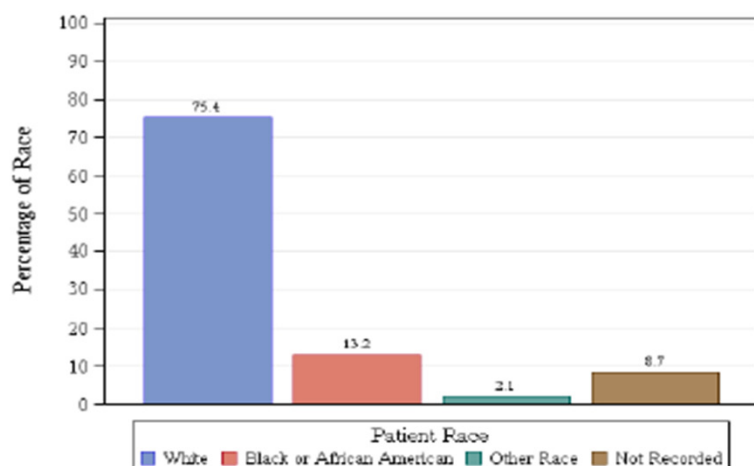
Patient Age Groupings (Years)

Patient Gender



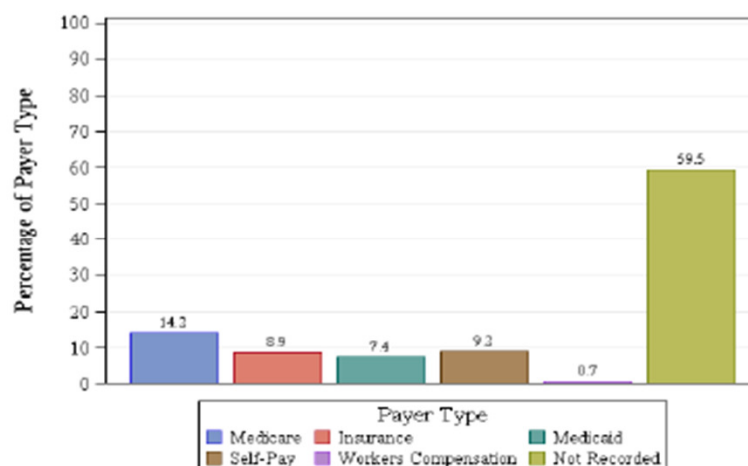
Patient Gender

Patient Race



<1% Race: Asian, Native Hawaiian, American Indian/Alaskan Native

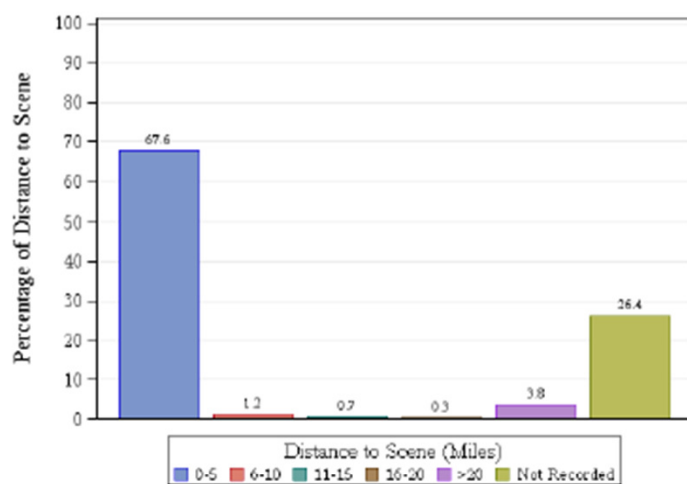
Payer Type



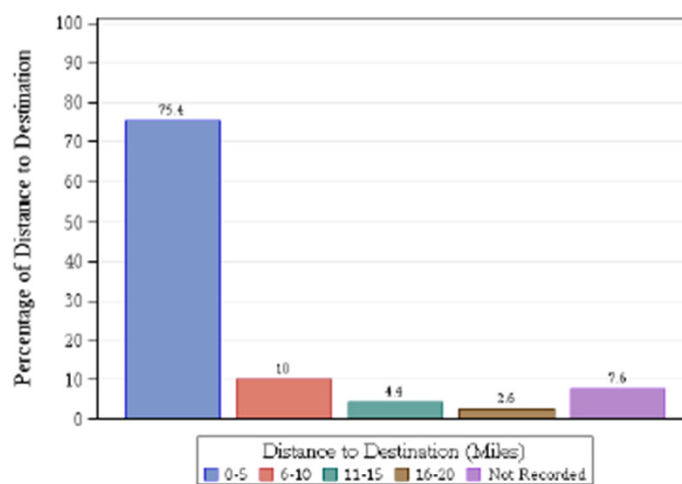
*Traumatic Injuries include the following criteria:
 Possible Injury indicated, or Provider Primary or Secondary Impression
 is Traumatic Injury, or Complaint Reported by Dispatch is Traumatic Injury

Indiana Trauma Registry- Prehospital Data Report
130,586 Traumatic Injury Incidents*
01/01/2013 - 5/12/2015 185 Total Providers Reporting

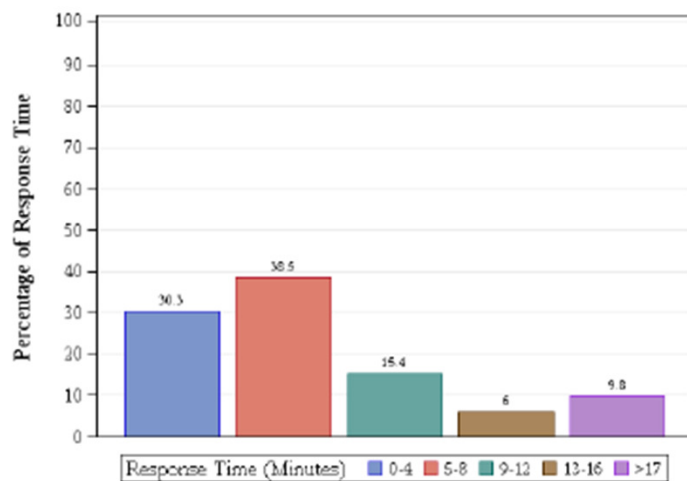
Distance to Scene (Miles)



Distance to Destination (Miles)

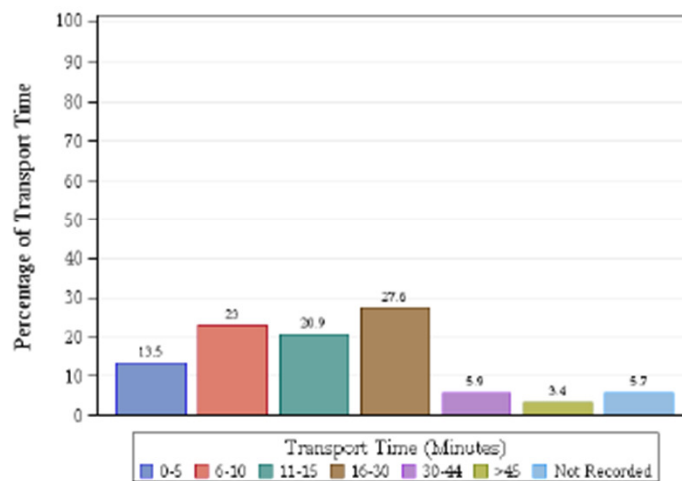


Response Time (Minutes)



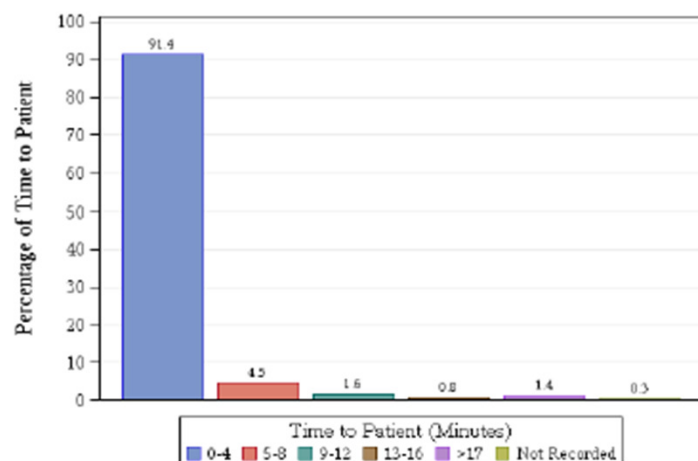
Response Time: Difference in Time from Dispatch to Arrival on Scene

Transport Time (Minutes)



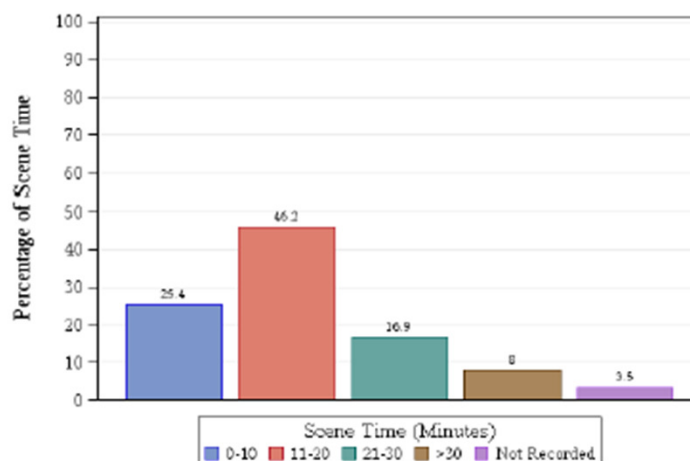
Transport Time: Difference in Time from Departure from Scene to Arrival At Destination

Time to Patient (Minutes)



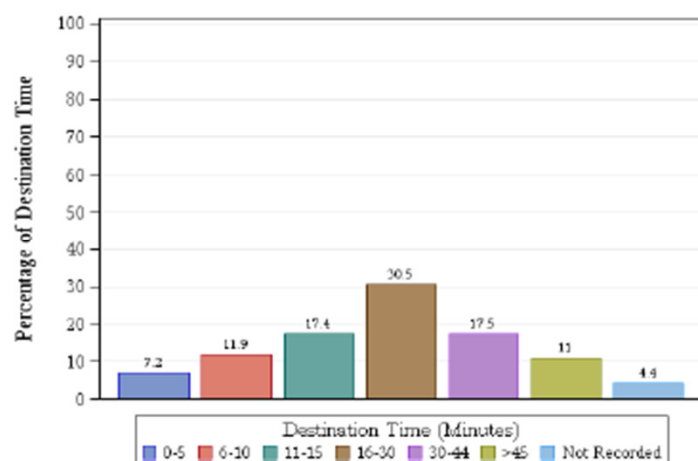
Time To Patient: Difference in Time from Arrival at Scene

Scene Time (Minutes)



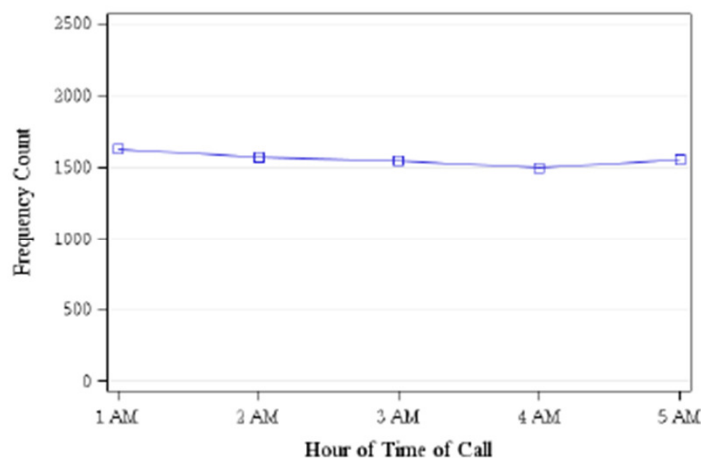
Scene Time: Difference in Time from Arrival at Scene

Destination Time (Minutes)



Scene Time: Difference in Time from Arrival at Destination to Unit Back in Service

Time of Call



Time of Call Not Recorded for 51,968 Incidents

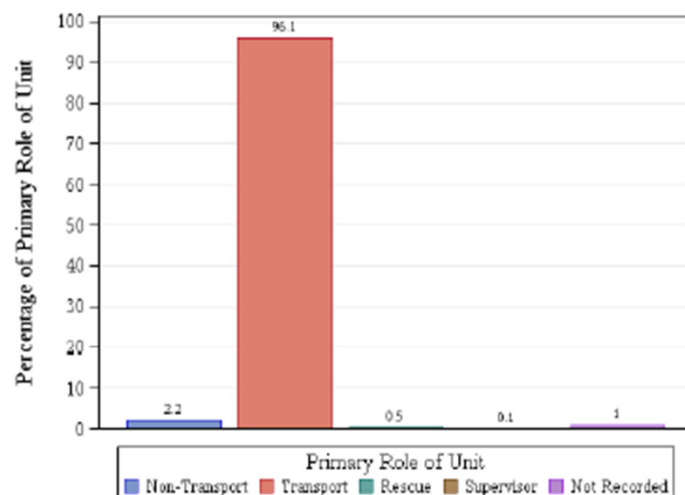
Average Run Mileage

Obs	Destination	Miles
1	Mileage to Destination	2.9
2	Mileage to Scene	3.0
3	Total Mileage	6.7

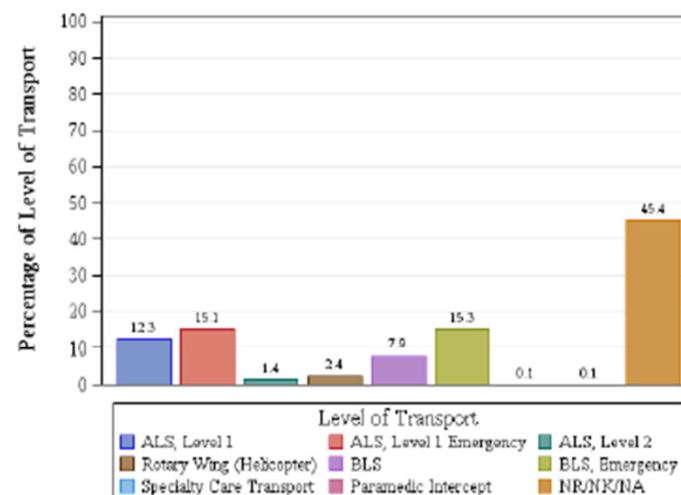
Average Run Time (Minutes)

Obs	Destination	Minutes
1	Time to Scene	8.75
2	Time to Patient	2.13
3	Time at Scene	16.87
4	Time to Destination	15.97
5	Back in Service	24.80
6	Total Run Time	217.61

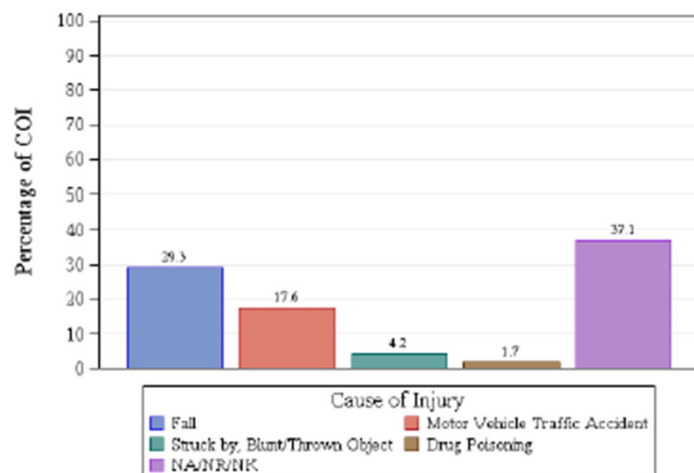
Primary Role of Unit



Level of Transport

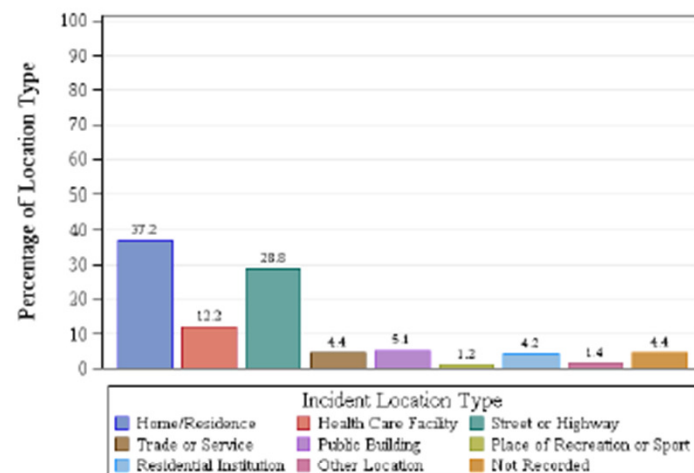


Cause of Injury (COI)



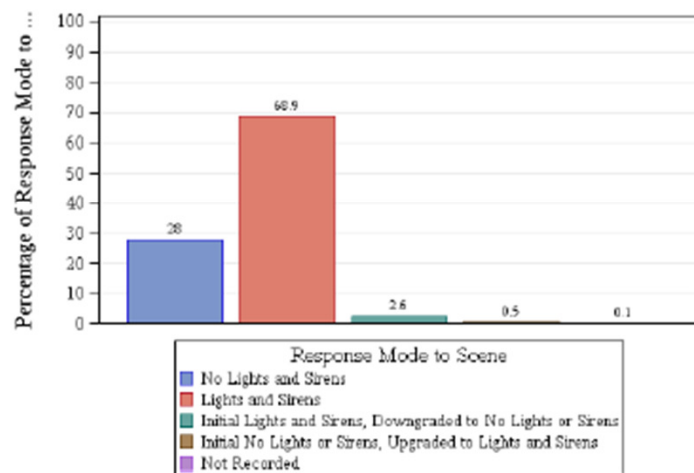
Causes of Injury <1.5% Not Listed

Incident Location Type

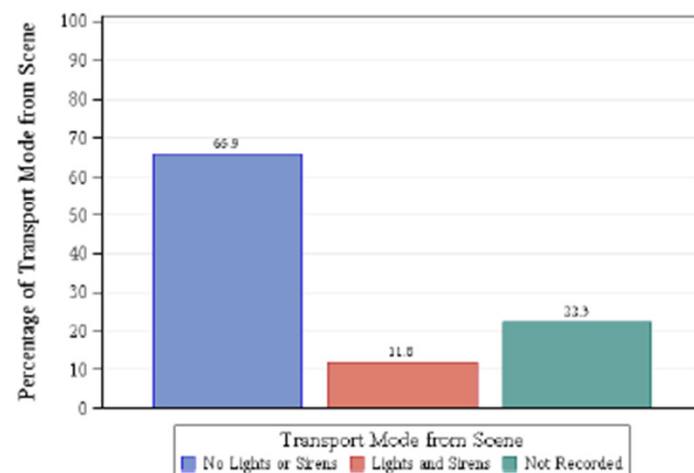


Incident Location Type <1% Not Listed

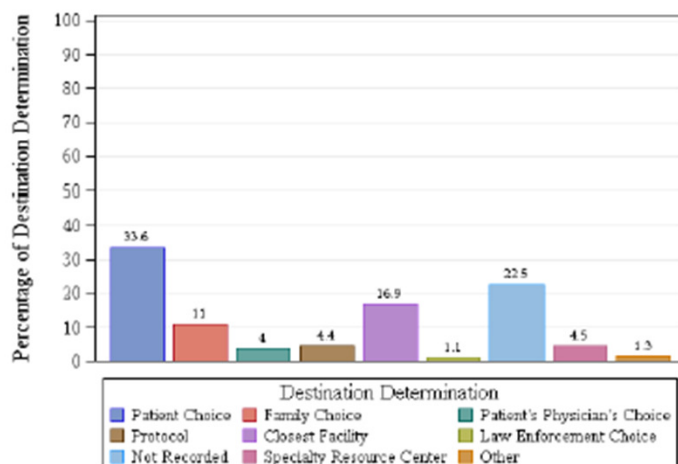
Response Mode to Scene



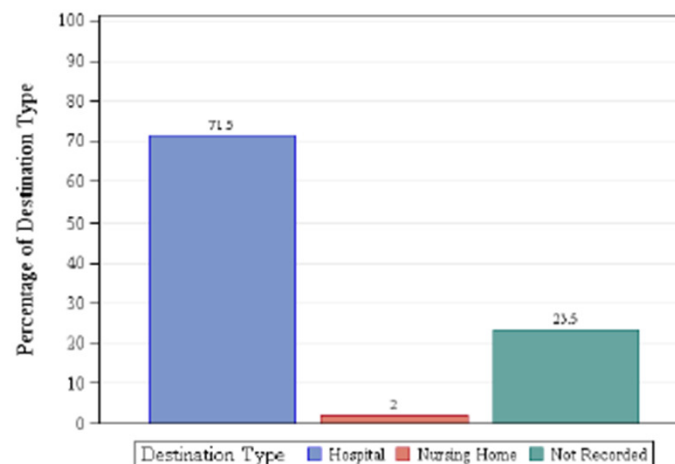
Transport Mode from Scene



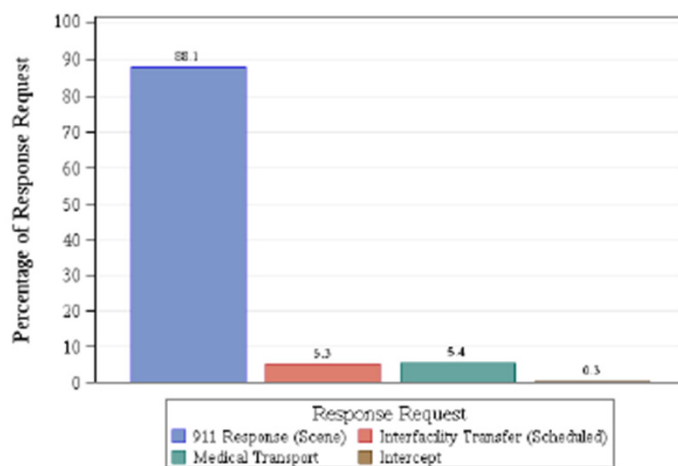
Destination Determination



Destination Type

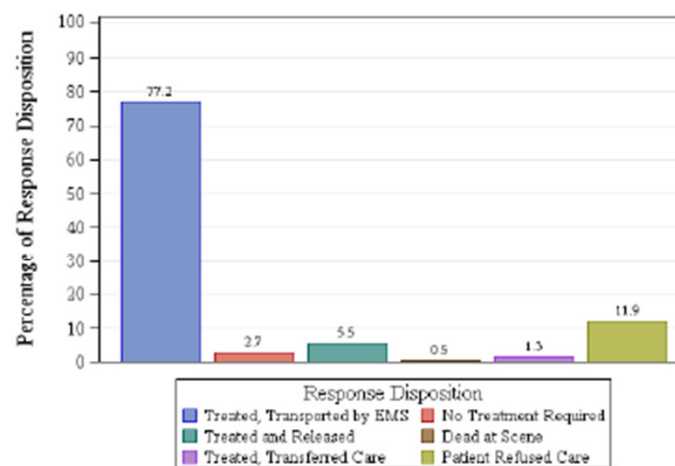


Response Request



Response Request <0.25% Not Listed

Response Disposition



Response Disposition <0.5% Not Listed

Questions?



Indiana State
Department of Health