PI Subcommittee Meeting - Agenda

August 11, 2015 – 10am EST to 11am EST

Call-in number: 1-877-422-1931, participant code is 2792437448# (music will be heard until the moderator joins the call)

1. Welcome & Introduction

Meeting Attendees			
Amanda Elikofer	Amanda Rardon	Annette Chard	Bekah Dillon
Carrie Malone	Chris Wagoner	Christy Claborn	
		Chuck Stein	Cindy Twitty
Dawn Daniels	Amy Deel	Emily Dever	Jennifer Mullen
Jeremy Malloch	Jodi Hackworth	Kelly Mills	Kristi Croddy
Lana Seibert	Latasha Taylor	Lesley Lopossa	Lindsey Williams
Lisa Hollister	Lisa Smith	Lynne Bunch	Mary Schober
Missy Hockaday	Merry Addison	Michele Jolly	Paula Kresca
Dr. Larry Reed	Regina Nuseibeh	Roxann Kondrat	Sean Kennedy
Spencer Grover	Tracy Spitzer	Wendy St. John	
ISDH STAFF			
Katie Hokanson	Ramzi Nimry	Jessica Skiba	Camry Hess
Murray Lawry	Art Logsdon		

2. Goals

    a. Increase the number of hospitals reporting to the Indiana trauma registry
        i. Summary of trauma registry training events
            1. 2015 Trauma Tour had a 1 hour refresher course ahead of time:
                a. 6 attendees over the first 5 trauma tour events.
        ii. Trauma Center mentor program
            1. Confirmation of mentorship still in process
                a. Community Health – North
                    i. Community West
                b. Memorial Hospital of South Bend
                    i. Elkhart General Hospital
                    ii. IU Health – LaPorte Hospital
                    iii. IU Health – Starke Hospital
                c. Eskenazi Health
                    i. *Community Health Network*
                    ii. *Terre Haute Regional Hospital*
                d. St. Elizabeth – East
                    i. *May be taking over data collection for St. Elizabeth – Crawfordsville*
                        1. *Estimated date?*
                e. St. Mary's of Evansville
                    i. Terre Haute Regional
                    ii. Good Samaritan Hospital

iii. *Memorial Hospital & Health Care Center (Jasper*)

f. Deaconess
    i. *Facilities in District 10*

g. IU Health – Bloomington
    i. *St. Vincent Dunn*

h. IU Health – Arnett
    i. *IU Health – White Memorial*

i. IU Health – Methodist
    i. *St. Francis - Indianapolis*

2. Update on mentorship status
    a. Parkview Regional Medical Center

iii. Discussion of specific hospitals (see attached excel spreadsheet):

1. Hospitals that have not reported any data
    a. District 1
        i. Jasper County Hospital
        ii. St. Mary Medical Center (Hobart)
            1. Jennifer Mullen will get in contact with the facilities.
                a. Update from Jen?
    b. District 2
        i. IU Health – Goshen Hospital
            1. Missy Hockaday will contact the facility. Potentially hiring a system registrar.
                a. Update from Missy?
    c. District 3
        i. Adams Memorial Hospital
        ii. Bluffton Regional Medical Center
            1. Annette Chard will get in contact with facility.
                a. Update from Annette?
        iii. St. Joseph Hospital (Fort Wayne)
            1. Annette Chard will get in contact with facility.
                a. Update from Annette?
        iv. VA Northern Indiana Healthcare System
        v. Wabash County Hospital
    d. District 5
        i. Community Westview
            1. Will start reporting data in Q1 2015.
                a. Update?
        ii. IU Health – West Hospital
            1. Missy Hockaday will contact the facility. Potentially hiring a system registrar.
                a. Update from Missy?
        iii. Richard L Roudebush VA Medical Center
        iv. St. Vincent – Carmel Hospital
        v. St. Vincent – Fishers Hospital
        vi. St. Vincent – Peyton Manning Children's Hospital
            1. Judi Holsinger is working with the St. Vincent Health network to get these facilities reporting.
                a. Update from Judi?
    e. District 8
        i. St. Vincent – Dunn Hospital

f. District 9
    i. St. Vincent – Jennings Hospital
    ii. Kentuckiana Medical Center

b. Decrease average ED LOS at non-trauma centers
    i. Review of current average ED LOS
        1. Data quality issues
            a. ED LOS > 24 hours
            b. ED LOS < 0 hours
        2. Added Body regions by patient age groupings.
        3. RTTDC data analysis.
    ii. Discussion of educational materials for non-trauma centers regarding timely transfers
        1. Created a letter from ISDH to your hospital stressing the importance of timely transfers.
            a. Letter was sent out to facilities on June 15th.

c. Increase EMS run sheet collection
    i. Please send Katie list of EMS providers not leaving run sheets.
        1. Sent email to Mike Garvey and Lee Turpen on March 26, 2015 with EMS providers not leaving run sheets and again on June 18th.
            a. Mike Garvey encouraged EMS Providers to leave run sheets at the April 17th EMS Commission meeting.
        2. Also sent list of Hospital contact information for EMS providers to know where to send run sheets.
        3. Would like to provide this list to the EMS Commission at their **August** meeting!

3. Review of Modifications to New Metrics:
    a. ED LOS vs. ICU LOS
        i. Added patients that had an ICU LOS >0, but did not have an ED Disposition = ICU.
    b. Mortality Review
        i. Compared 2013 Indiana Trauma Registry data to NTDB Data.
4. Potential Metrics
    a. Last meeting's discussion:
        i. Staying on our radar: Triage & Transport Rule – ISDH thinking how we can use trauma registry data to accurately measure EMS providers meeting requirement. Previous discussion was around identifying ZIP codes that are within 45 minutes of a trauma center no matter where they are in the ZIP code.
            1. Katie is analyzing some data and working with Dr. Walthall on this project at this time.
        ii. Identifying double transfers – new Linking Software will help us better identify these patients.
            1. Camry has received training on the software and will share with the group what she has learned so far.
        iii. Data Quality dashboard for linking cases
            1. Camry has started developing a data quality dashboard.

5. *NEW* Discussion– EMS Commission member asked that we consider separating Isolated Hip Fracture cases from all patients ED LOS calculations. Thoughts?
6. *NEW* What does PI on a regional level look like?
    a. Illinois' model:

i. Cases Reviewed:
    1. Deaths caused by traumatic injury
        a. Excluding DOA
        b. Excluding head AIS > 3
    2. TRISS > .75
ii. Each trauma center (trauma medical director and/or coordinator) presents to the region 6 months' worth of completed data 2x/year on:
    1. Unexpected deaths.
    2. Other interesting cases (ex: unexpected survivors).
iii. Data is presented during the regular district meeting and all members can be involved in the discussion.
iv. Data are confidential and bound by the Medical Studies Act – indicated by the disclaimer no all paperwork.
v. Conclusions (minus the identifiers) are included in the regular meeting minutes.

7. Next Meeting: Tuesday, November 10th, Larkin, ISDH

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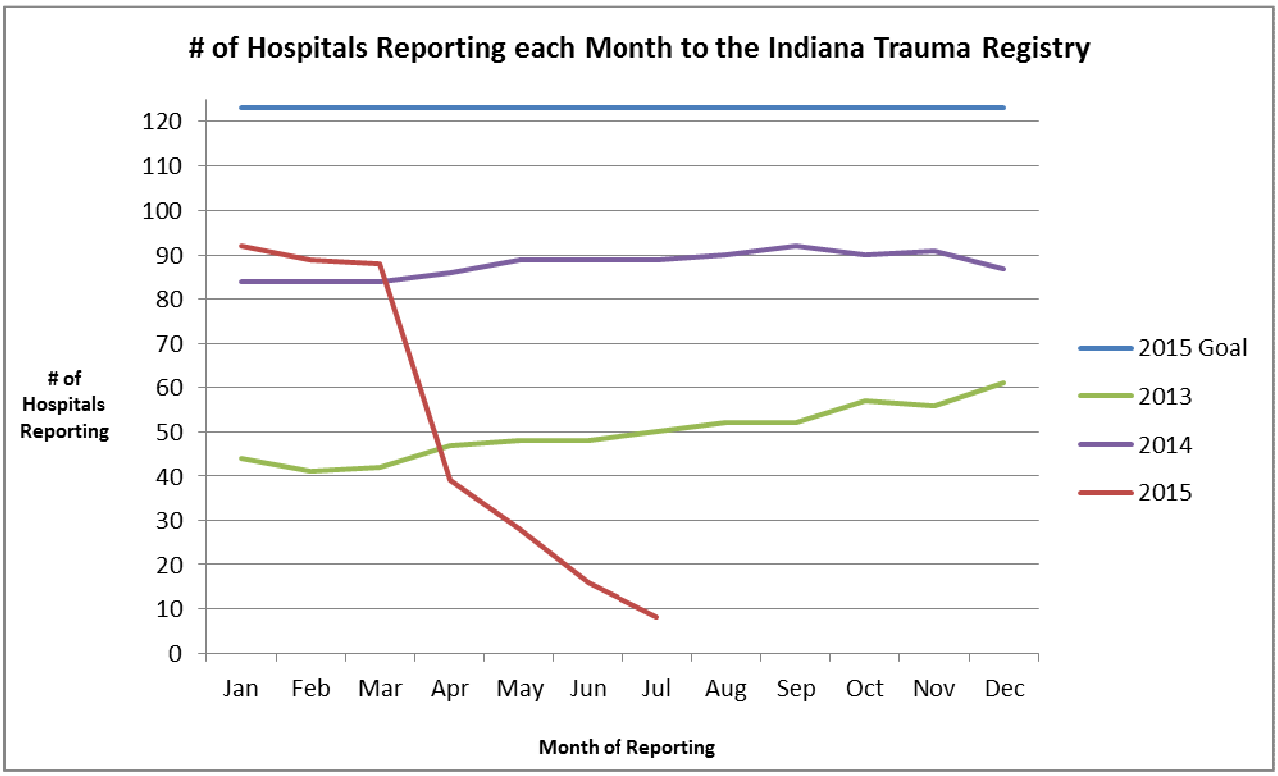
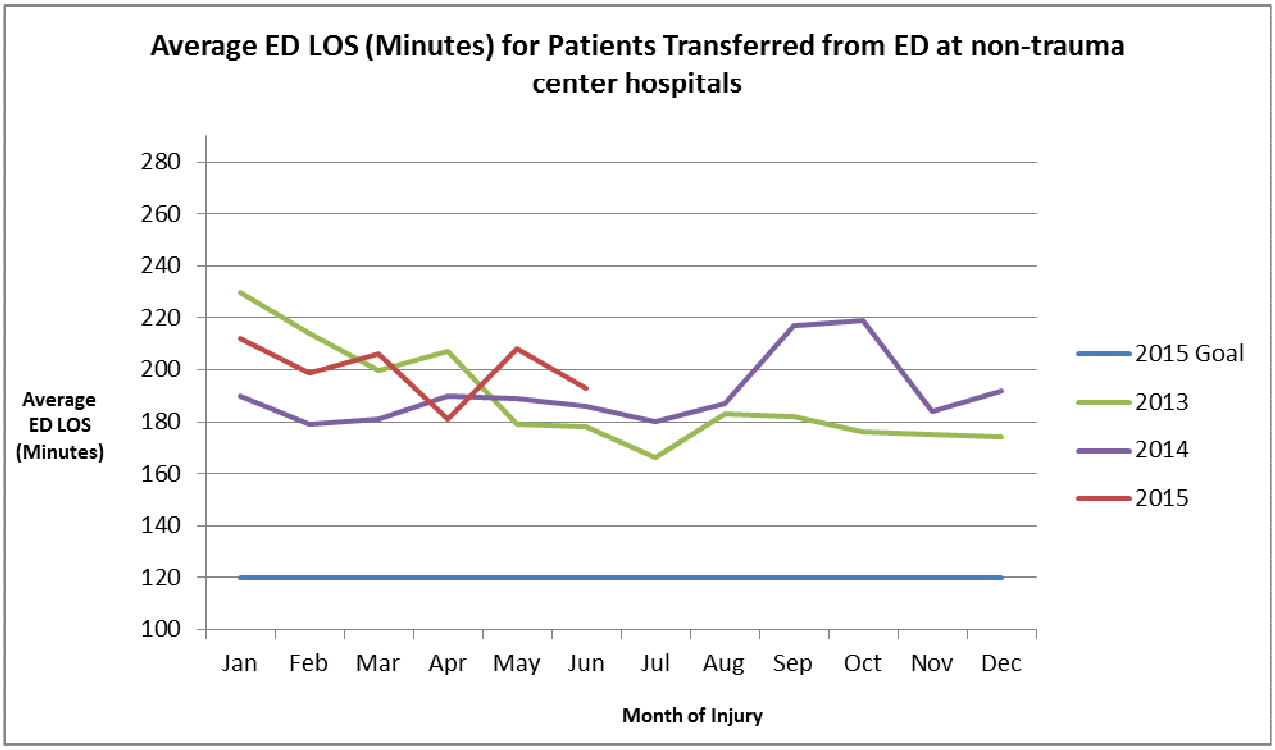


Action	Owner	Status
Letter from Dr. VanNess to non-reporting hospitals	**ISDH**	**Complete 02/2013**
2nd Letter from Dr. VanNess to non-reporting hospitals about trauma registry rule	**ISDH**	**Complete 12/2013**
Trauma registry training events around the state	**ISDH**	**Complete 3/2014**
Trauma registry refresher training events around the state	ISDH	In progress (summer 2015)
Mentorship Program between trauma centers and non-reporting hospitals	*trauma centers*	*In progress*
IU Health - North mentorship	**IU Health - Methodist**	**Completed 2013**
Community Health - North, Community Health - East, St. Elizabeth-East mentorship	**St. Vincent - Indy**	**Completed 2013**
Perry County, St. Mary's – Warrick, & Terre Haute Regional mentorship	**St. Mary's**	**Completed 2013**
Deaconess Gateway mentorship	**Deaconess**	**Completed 2015**

IU Health - Bedford mentorship	**IU Health - Bloomington**	**Completed 2015**
"in the process of ACS verification" trauma centers; St. Vincent Randolph	**IU Health - Ball Memorial**	**Completed 2015**
Community West	Community Health - North	In progress (as of 02/2015)
Elkhart General, IU Health - LaPorte, & IU Health - Starke mentorship	Memorial South Bend	In progress (as of 02/2015)
Community Health Network, Terre Haute Regional mentorship	Eskenazi Health	In progress (as of 02/2015)
St. Elizabeth - Crawfordsville mentorship	St. Elizabeth - East	In progress (as of 02/2015)
Terre Haute Regional; Good Samaritan Hospital; Memorial Hospital & Health Care Center (Jasper)	St. Mary's	In progress (as of 02/2015)
District 10	Deaconess	In progress (as of 02/2015)
St. Vincent Dunn	IU Health - Bloomington	In progress (as of 02/2015)
IU Health - White Memorial Hospital	IU Health - Arnett	In progress (as of 02/2015)
Franciscan St. Francis - Indianapolis	IU Health - Methodist	In progress (as of 3/11/2015)
St. Vincent Anderson & St. Joseph Kokomo mentorship	St. Vincent - Indy	In progress (as of 05/2015)
Community Health - North, Community Health - South, St. Francis - Indianapolis, Good Samartan Hospital mentorship	IU Health - Ball Memorial	In progress (as of 05/2015)
Answering pediatric questions as they come in.	IU Health - Riley	(as of 05/2015)
Reaching out to St. Joseph (Fort Wayne) & Bluffton Regional Medical Center about data collection	Lutheran	(as of 05/2015)
Waiting on mentorship status	***Parkview RMC***	



Action	Owner	Status
RTTDC completion by non-trauma center hospitals	Trauma Centers	ongoing
Evaluate critical patients (transfers & non-transfers)	ISDH & trauma centers	ongoing
Develop educational material for non-trauma centers regarding timely transfers	ISDH & trauma centers	Not started

ED LOS Analysis

June 1, 2014 to June 30, 2015		
Total # of Patients Transferred:	*7072*	
Measure	**# of Patients**	**Avg ED LOS (Minutes)**
Initial Hospital: Shock Index > 0.9	974	186
Initial Hospital: GCS Total Score ≤ 12	366	148
Initial Hospital: ISS ≤ 15	6233	199
Initial Hospital: ISS > 15	566	178

April 1, 2014 to April 30, 2015		
Total # of Patients Transferred:	*6376*	
Measure	**# of Patients**	**Avg ED LOS (Minutes)**
Initial Hospital: Shock Index > 0.9	637	202
Initial Hospital: GCS Total Score ≤ 12	315	138
Initial Hospital: ISS ≤ 15	5611	199
Initial Hospital: ISS > 15	478	207

January 1, 2014 to January 29, 2015		
Total # of Patients Transferred:	*5576*	
Measure	**# of Patients**	**Avg ED LOS (Minutes)**
Initial Hospital: Shock Index > 0.9	572	164
Initial Hospital: GCS Total Score ≤ 12	287	129
Initial Hospital: ISS ≤ 15	5102	191
Initial Hospital: ISS > 15	474	149

June 1, 2014 to June 30, 2015	
*Total # of **CRITICAL**Patients Transferred*	*1614*
Min	0
Max	1814
Average	182
CRITICAL GCS ≤ 12, Shock Index >0.9, ISS > 15	

April 1, 2014 to April 30, 2015	
*Total # of **CRITICAL**Patients Transferred*	*1223*
Min	0
Max	192
Average	4392
CRITICAL GCS ≤ 12, Shock Index >0.9, ISS > 15	

January 1, 2014 to January 29, 2015	
*Total # of **CRITICAL**Patients Transferred for 2014*	*1003*
Min	14
Max	835
Average	159
CRITICAL GCS ≤ 12, Shock Index >0.9, ISS > 15	

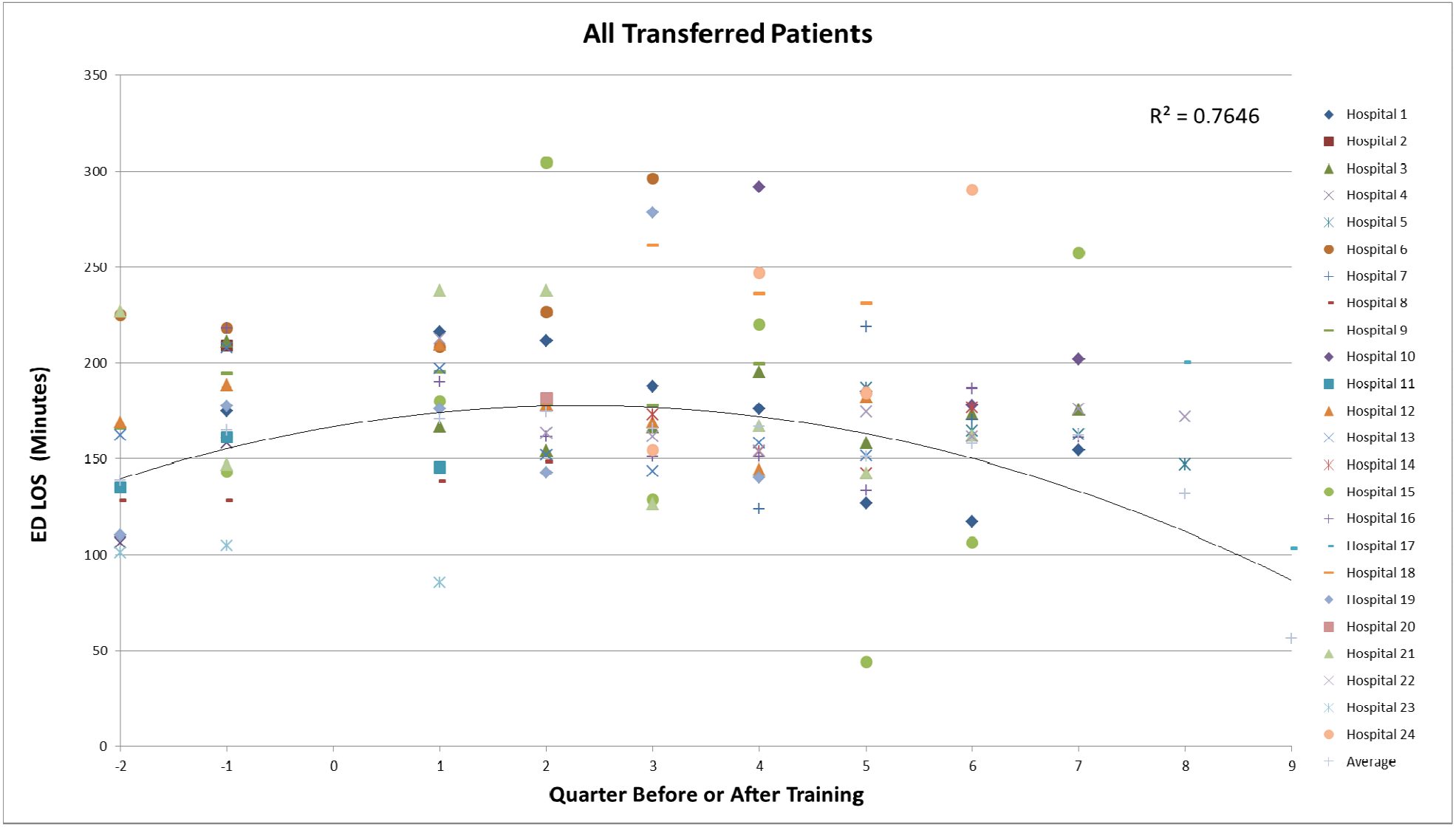
June 1, 2014 to June 30, 2015	
Body Region	**# of Patients**
Extremity	2435
External	2200
Head	1715
Chest	836
Face	476
Abdomen	426

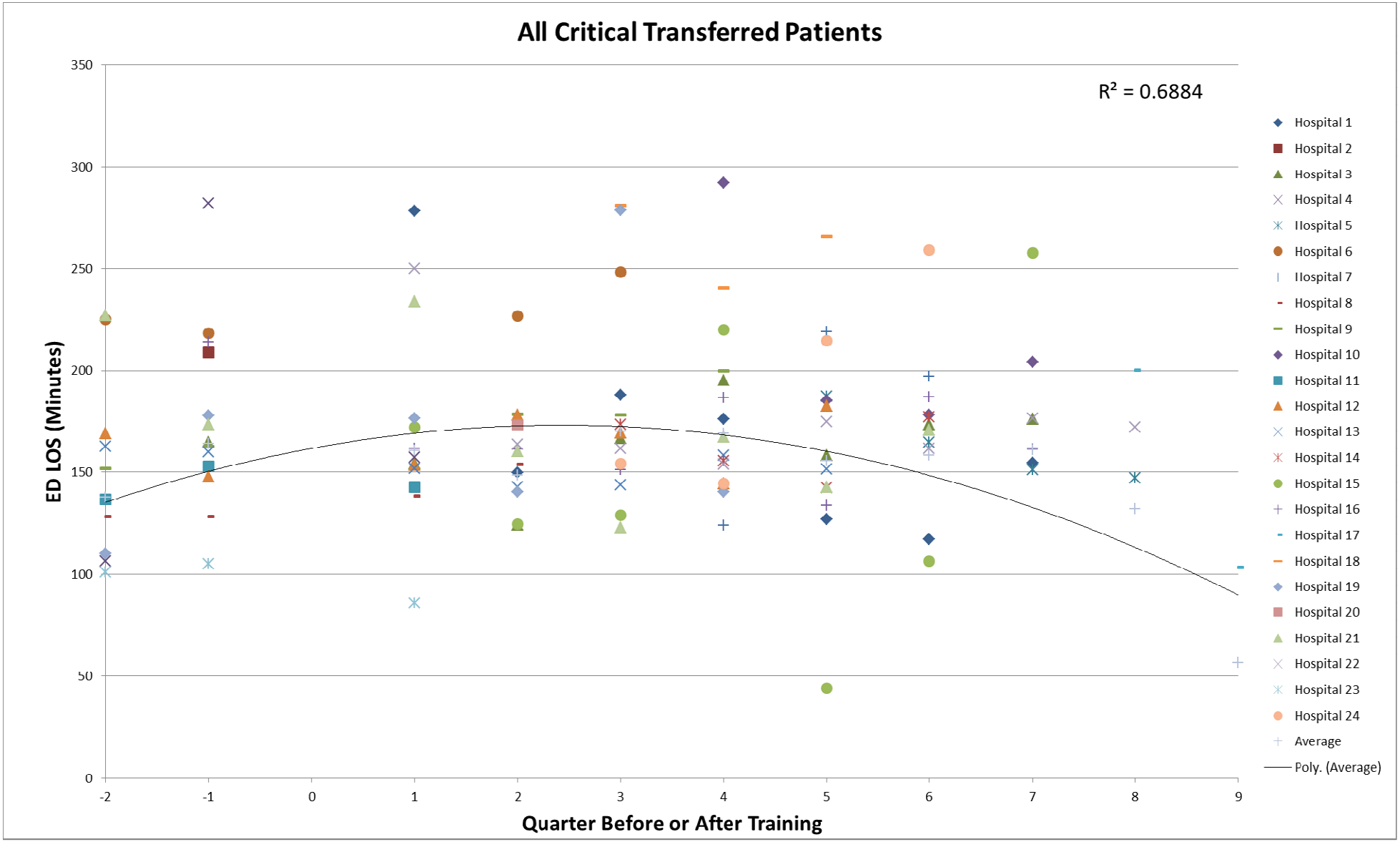
April 1, 2014 to April 30, 2015	
Body Region	**# of Patients**
Extremity	2271
External	2151
Head	1730
Chest	775
Face	482
Abdomen	363

January 1, 2014 to January 29, 2015	
Body Region	**# of Patients**
Extremity	2146
External	1865
Head	1600
Chest	699
Face	442
Abdomen	290

June 1, 2014 to June 30, 2015				
Body Region	**# of Patients**	<15 Years	15 - 65 Years	>65 Years
Extremity	2435	301	1176	958
External	2199	262	1310	627
Head	1713	203	905	605
Chest	836	26	566	244
Face	476	75	302	99
Abdomen	426	25	309	92

RTTDC Analysis





Mortality Review

Mortality Review - All Indiana Patients

2013 Data

Pediatric (< 15 years) - Number of Patients:		*2219*
Location of Death	**# of Mortalities**	**Percentage Mortality**
DOA	6	0%
Died in ED	12	1%
Died in Hospital (Including OR)	15	1%
Died	*33*	*1%*

2013 Data

Geriatric (> 64 years) - Number of Patients:		*9367*
Location of Death	**# of Mortalities**	**Percentage Mortality**
DOA	30	0%
Died in ED	36	0%
Died in Hospital (Including OR)	362	4%
Died	*428*	*5%*

2013 Data

All Patients:		*24,313*
Location of Death	**# of Mortalities**	**Percentage Mortality**
DOA	148	1%
Died in ED	209	1%
Died in Hospital (Including OR)	719	3%
Total	***1076***	

Mortality Review - All US Patients

2013 Data

Pediatric (< 15 years) - Number of Patients:		*89148*
Location of Death	**# of Mortalities**	**Percentage Mortality**
DOA		0%
Died in ED		0%
Died in Hospital (Including OR)		0%
Died	1537	2%

2013 Data

Geriatric (> 64 years) - Number of Patients:		*228218*
Location of Death	**# of Mortalities**	**Percentage Mortality**
DOA		0%
Died in ED		0%
Died in Hospital (Including OR)		0%
Died	15915	7%

2013 Data

All Patients:		*814,586*
Location of Death	**# of Mortalities**	**Percentage Mortality**
DOA	5655	1%
Died in ED	10232	1%
Died in Hospital (Including OR)	21887	3%
Total	***37774***	

Mortality Review

Mortality Review - All Indiana Patients

2013 Data			
Injury Severity Scale (ISS) Summary Table			
ISS	**# of Patients**	**# of Mortalities**	**Percentage Mortality**
0 - 9	17858	255	1%
10 - 15	3295	89	3%
16 - 24	1814	109	6%
≥25	1346	420	31%
Total	24313	873	

Mortality Review - All US Patients

2013 Data			
Injury Severity Scale (ISS) Summary Table			
ISS	**# of Patients**	**# of Mortalities**	**Percentage Mortality**
1 - 8	380943	5070	1%
9 - 15	252542	7096	3%
16 - 24	111671	6061	5%
≥25	62680	17664	28%
Null	6827	516	8%
Total	814663	36407	

ED LOS vs. ICU LOS

# of Patients Admitted to ICU from ED: 5513		
ED LOS (Hours)	**ICU LOS (Days) Average**	**# of Patients**
< 1	5	504
1 - 2	4	2172
3 - 5	4	1859
6 - 11	4	427
12+	4	61

*note: 38,794 incidents in the registry from January 1, 2014 to July 28, 2015 as of: 07/28/15

# of Patients Admitted to ICU NOT from ED	
ICU LOS (Days) Average	**# of Patients**
6	1576