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# Spring 2022 Collaborative Report

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# Level 1 and 2 Outlier Report



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		A	R	K	L	P	H	F	D	O	N	C	J	E		
Outcome	Cohort	Outlier (High, Average, Low)													Fall 2021 Collaborative Report	Spring 2022 Collaborative Report
Mortality - Table 2	All Patients	Average	Average	Average	Average	Average	High	Average	Average	Average	Average	Average	High	Average	High	High
	Blunt Multisystem	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	High	High
	Penetrating	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average
	Shock	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average
	Severe TBI	Low	Average	Average	Average	Average	Average	Average	Average	Average	Average	Low	High	Average	Average	Average
	Elderly	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	High	High
	Elderly Blunt Multisystem	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	High	High
	Isolated Hip Fracture	Average	Average	Average	Average	Average	High	Average	Average	Average	Average	Average	Average	Average	Average	Average
Major Hospital Events - Table 3	All Patients	Average	Average	Average	Average	Average	High	High	Average	High	Average	High	Average	Average	High	High
	Blunt Multisystem	Average	Average	Average	Average	Average	High	High	Average	Average	Average	High	Average	Average	High	Average
	Penetrating	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	High	Average	Average	Average	Average
	Shock	Average	Average	Average	Average	Average	High	Average	Average	Average	Average	High	Average	Average	Average	Average
	Severe TBI	High	Average	Average	Average	Average	Average	High	Average	Average	Average	High	Average	Average	Average	Average
	Elderly	Average	Average	Average	Average	Average	High	High	Average	Average	Average	High	Average	Average	Average	High
	Elderly Blunt Multisystem	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average
	Isolated Hip Fracture	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	High	Average	Average	High	High
Major Hospital Events Incl. Death - Table 4	All Patients	Average	Average	Average	Average	Average	High	High	Average	High	Average	High	Average	Average	High	High
	Blunt Multisystem	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	High	High
	Penetrating	Low	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average
	Shock	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	High
	Severe TBI	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	High	Average	Average	Average
	Elderly	Average	Average	Average	Average	Average	High	Average	Average	Average	Average	High	Average	Average	High	High
	Elderly Blunt Multisystem	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average
	Isolated Hip Fracture	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average
Acute Kidney Injury - Table 5	All Patients	Average	Average	Average	Average	Average	High	Average	High	High	Average	High	High	Average	High	High
	Shock	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	High	Average	Average	High	High
Ventilator-Associated Pneumonia	All Patients	High	Average	Average	Average	Average	Average	High	High	High	Average	High	High	Average	Average	Average
	Severe TBI	High	Average	Average	Average	Average	Average	High	Average	Average	Average	High	High	Average	Average	Average
Pulmonary Embolism	All Patients	Average	Average	Average	Average	Average	Average	High	Average	Average	Average	Average	Average	Average	Average	Average
Surgical Site Infection	All Patients	Average	Average	Average	Average	Average	Average	Average	Average	High	Average	High	Average	Average	High	Average
Unplanned Admission to the ICU	All Patients	High	Average	Average	Average	Average	Average	Average	Average	High	Average	High	Average	Average	Average	Average
Unplanned Visit to OR	All Patients	Average	High	Average	Average	Average	Average	High	Average	High	Average	High	Low	Average	Average	Average
Catheter-Associated UTI	All Patients	Average	Average	Average	High	Average	Average	Average	Average	High	Average	Average	Average	Average	High	Average

# Level 1 and 2 Decile Report



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Outcome	Cohort	A	R	K	L	P	H	F	D	O	N	C	J	E	Fall 2021 Collabprative Report	Spring 2022 Collaborative Report
Mortality - Table 2	All Patients	4	8	10	5	9	10	5	9	8	8	3	10	9	9	9
	Blunt Multisystem	4	9	9	2	9	9	5	9	9	10	3	10	10	10	10
	Penetrating	1	9	6	7	10	3	9	2	8	2	1	8	1	3	2
	Shock	2	9	8	9	7	9	3	3	1	6	2	10	8	7	8
	Severe TBI	1	7	9	5	7	9	2	10	7	7	1	10	9	9	8
	Elderly	8	6	9	5	9	10	4	8	9	9	5	8	8	9	9
	Elderly Blunt Multisystem	8	9	8	2	10	7	6	8	10	7	9	5	10	10	10
	Isolated Hip Fracture	2	9	3	3	4	10	9	7	1	8	1	10	1	3	6
Major Hospital Events - Table 3	All Patients	8	9	2	5	6	10	10	6	9	7	9	8	5	8	8
	Blunt Multisystem	9	9	2	4	4	10	10	2	8	8	10	9	5	9	8
	Penetrating	1	8	5	6	5	9	10	2	9	9	10	6	7	6	8
	Shock	3	5	3	7	9	10	7	3	6	9	10	9	8	9	10
	Severe TBI	10	3	4	7	6	10	10	1	4	8	10	10	4	7	8
	Elderly	7	9	4	7	6	10	10	10	9	6	10	4	4	8	9
	Elderly Blunt Multisystem	6	10	5	2	5	7	7	3	9	8	10	2	7	9	8
	Isolated Hip Fracture	9	8	2	2	4	8	9	7	10	9	10	9	5	10	9
Major Hospital Events Incl. Death - Table 4	All Patients	6	9	6	5	8	10	10	8	10	8	9	9	6	9	9
	Blunt Multisystem	9	7	3	2	6	10	10	6	9	9	8	10	6	9	9
	Penetrating	1	9	5	2	8	9	10	1	9	9	9	2	4	5	7
	Shock	4	6	5	8	9	10	7	3	5	8	10	9	10	10	10
	Severe TBI	5	6	7	7	6	10	8	8	8	6	5	10	5	9	8
	Elderly	8	7	7	6	9	10	9	10	10	8	9	6	5	9	10
	Elderly Blunt Multisystem	7	9	6	1	10	6	9	7	10	7	9	2	10	9	10
	Isolated Hip Fracture	6	10	2	2	3	10	10	7	7	9	9	10	2	9	9
Acute Kidney Injury - Table 5	All Patients	7	9	6	7	9	10	6	10	10	8	10	10	9	9	9
	Shock	4	3	4	9	9	10	8	10	1	3	10	10	10	10	10
Ventilator-Associated Pneumonia	All Patients	10	3	5	7	9	5	9	8	9	1	10	9	7	7	7
	Severe TBI	10	5	4	8	4	2	9	4	8	1	10	9	7	7	7
Pulmonary Embolism	All Patients	5	5	5	9	3	4	10	1	3	9	9	2	4	5	5
Surgical Site Infection	All Patients	6	9	7	9	3	10	7	4	10	6	9	7	2	9	8
Unplanned Admission to the ICU	All Patients	10	2	7	7	3	3	6	7	10	4	10	1	4	6	6
Unplanned Visit to OR	All Patients	5	10	3	5	5	5	9	2	9	7	9	1	4	6	6
Catheter-Associated UTI	All Patients	6	4	4	10	4	7	9	8	10	3	2	9	6	9	7



# Level 1 and 2 Events by Cohort



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	A	R	K	L	P	H	F	D	O	N	C	J	E	COLLABORATIVE	All Others
From Table 12(pg 31 & 32): Hospital Events by Cohort	Acute Kidney Injury %														
All Patients	1	1.8	0.6	1	1	2.1	0.8	1.19	1.3	1	2.1	2.4	1.2	1.5	0.8
Blunt Multisystem	0.5	8.3	2.4	4.2	0	6.7	1.9	4.1	4.4	3	5.3	5.5	3.9	3.9	2.2
Penetrating	2.2	11.1	0	5.7	0	0	1	0	5.3	2.9	3.5	2	2.0	2.6	1.9
Shock	3.4	0	0	6.7	9.1	12.9	6.4	8.1	0	2.6	9.2	11.5	7.5	7.3	3.3
Severe TBI	2.5	9.1	0	3.6	0	0	0	2	0	1.3	4.9	2.2	1.1	2.4	1.7
Elderly	1.4	1.7	0	0.3	0.8	3.3	0.8	3.8	1.1	0.3	2.8	2.5	1.1	1.6	0.9
Elderly Blunt Multisystem	1.9	12.5	0	0	0	10.7	3.5	3.7	7.1	0	8.9	5	4.3	4.7	2.4
Isolated Hip Fracture	0	0	0	0.6	1.1	0.5	1.8	3.2	0	1.1	0.7	1.9	0.0	0.7	0.5
From Table 12(pg 31 & 32): Hospital Events by Cohort	CAUTI %														
All Patients	0.2	0	0	0.7	0	0.3	0.3	0.3	0.8	0.1	0.1	0.5	0.2	0.3	0.2
Blunt Multisystem	0.5	0	0	0.8	0	1.1	1.4	0.8	0.7	0	0.2	0.9	0.6	0.5	0.6
Penetrating	0	0	0	2.9	0	0	0	0	0	0	0.2	2	0.0	0.3	0.3
Shock	0	0	0	4.4	0	0	0	2.7	0	0	0.4	0	0.0	0.5	0.7
Severe TBI	0.7	0	0	5.4	0	2.4	0	0	3.3	0	0.4	0	0.0	0.9	0.7
Elderly	0.3	0	0	0	0	0	0.6	0.5	1.4	0	0.0	0.8	0.0	0.3	0.3
Elderly Blunt Multisystem	0	0	0	0	0	0	3.5	0	3.6	0	0.0	0	0.0	0.6	0.7
Isolated Hip Fracture	0	0	0	0	0	0	0.6	0	0.6	0	0.0	0	0.0	0.1	0.1
From Table 12(pg 31 & 32): Hospital Events by Cohort	Severe Sepsis %														
All Patients	0.2	0.7	0	0	0	3.8	0.4	1.2	0.8	0.8	1.1	0.7	1.0	0.9	0.4
Blunt Multisystem	0	0	0	0	0	12.2	0	3.3	2.2	1	2.6	0.9	4.5	2.3	1.1
Penetrating	0	11.1	0	0	0	3.1	1	0	0	2.9	1.2	0	1.0	1.2	1.1
Shock	0	0	0	0	0	19.4	0	2.7	0	0	5.3	0	6.0	3.6	1.5
Severe TBI	0	0	0	0	0	7.1	1.1	3.9	0	3.8	3.4	2.2	3.2	2.7	1
Elderly	0	0.9	0	0	0	3.6	0.4	2.4	0.6	0.8	2.1	0.8	1.1	1.2	0.4
Elderly Blunt Multisystem	0	0	0	0	0	7.1	0	0	3.6	1.9	7.1	0	6.5	3.1	1.1
Isolated Hip Fracture	0	0	0	0	0	1	0	4.8	0.6	1.1	0.7	0	0.0	0.7	0.2

# Level 1 and 2 Events by Cohort



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	A	R	K	L	P	H	F	D	O	N	C	J	E	COLLABORATIVE	All Others
From Table 12(pg 31 & 32): Hospital Events by Cohort	Deep SSI %														
All Patients	0.2	1.1	0	0.1	0	0.4	0.2	0.1	0.8	0.1	0.6	0.5	0.2	0.4	0.2
Blunt Multisystem	0	4.2	0	0	0	2.2	0.5	0.8	2.2	0.5	0.8	1.8	0.6	0.8	0.5
Penetrating	0	11.1	0	0	0	0	1	0	5.3	0	2.2	2	0.0	1.3	1
Shock	0	0	0	0	0	3.2	0	0	5.8	0	2.8	1.9	0.0	1.7	1
Severe TBI	1.3	0	0	1.8	0	0	0	0	1.7	0	0.8	0	1.1	0.7	0.3
Elderly	0.3	0	0	0	0	0	0	0	0	0	0.3	0	0.0	0.1	0.1
Elderly Blunt Multisystem	0	0	0	0	0	0	0	0	0	0	0.9	0	0.0	0.2	0.2
Isolated Hip Fracture	0	0	0	0	0	0	0	0	0	0	0.0	0	1.0	0.1	0
From Table 12(pg 31 & 32): Hospital Events by Cohort	Organ/Space SSI %														
All Patients	0.2	0	0	0.1	0	0.5	0.3	0	0.1	0.3	0.7	0	0.1	0.3	0.2
Blunt Multisystem	0.5	0	0	0	0	2.2	0	0	0.7	0.5	0.0	0	0.0	0.2	0.3
Penetrating	2.2	0	0	2.9	0	6.3	1.9	0	0	5.9	4.4	0	1.0	2.9	1.4
Shock	1.7	0	0	0	0	3.2	0	0	0	0	1.8	0	0.0	0.9	0.8
Severe TBI	0	0	0	0	0	0	1.1	0	1.7	0	0.4	0	0.0	0.4	0.2
Elderly	0	0	0	0	0	0	0	0	0	0	0.0	0	0.0	0	0
Elderly Blunt Multisystem	0	0	0	0	0	0	0	0	0	0	0.0	0	0.0	0	0.2
Isolated Hip Fracture	0	0	0	0	0	0	0	0	0	0	0.0	0	0.0	0	0
From Table 12(pg 31 & 32): Hospital Events by Cohort	Superficial Incisional SSI %														
All Patients	0.8	0	0.3	0	0	0	0.1	1.2	0.4	0	0.2	0.2	0.0	0.2	0.2
Blunt Multisystem	1	0	0	0	0	0	0.5	3.3	0.7	0	0.2	0	0.0	0.3	0.4
Penetrating	2.2	0	0	0	0	0	0	0	5.3	0	0.0	2	0.0	0.3	0.7
Shock	1.7	0	0	0	0	0	0	2.7	5.8	0	0.0	0	0.0	0.8	0.6
Severe TBI	2.5	0	0	0	0	0	0	3.9	1.7	0	0.0	0	0.0	0.1	0.3
Elderly	1.2	0	0	0	0	0	0	2.4	0.3	0	0.3	0	0.0	0.1	0
Elderly Blunt Multisystem	0	0	0	0	0	0	0	0	3.6	0	0.0	0	0.0	0.4	0.2
Isolated Hip Fracture	2.1	0	0	0	0	0	0	4.8	0	0	0.0	0	0.0	0	0

# Level 1 and 2 Discharge Disposition



	A	R	K	L	P	H	F	D	O	N	C	J	E	Collaborative	All Others
From Table 14: Discharge Disposition by Cohort (%)	Home														
All Patients	71.2	64.2	20.0	67.3	69.5	67.4	67.5	70.7	73.9	65.6	73.7	60.4	71.0	69.7	59.1
Blunt Multisystem	52.0	50.0	13.0	50.8	50.0	48.9	50.7	55.3	57.0	51.0	58.0	40.0	53.6	52.9	40.7
Penetrating	76.7	55.6	5.0	68.6	50.0	81.3	74.8	87.0	68.4	67.6	79.3	77.6	86.1	78.3	67.6
Shock	47.5	50.0	5.0	40.0	54.5	41.9	44.7	54.1	46.2	28.2	57.2	46.2	44.8	49.2	36.3
Severe TBI	26.3	27.3	2.0	32.1	23.5	23.8	28.4	23.5	18.3	18.8	24.7	17.4	27.4	24.3	17.5
Elderly	50.4	46.2	58.0	48.9	57.5	46.0	45.7	44.3	64.0	51.0	52.6	38.7	52.1	50.4	43.1
Elderly Blunt Multisystem	33.3	12.5	2.0	21.9	14.3	32.1	17.5	22.2	35.7	35.8	32.1	20.0	21.7	27.3	23.5
Isolated Hip Fracture	35.1	38.1	24.0	38.0	40.2	20.2	38.8	27.0	42.4	38.3	45.5	22.6	39.4	35.4	25.5
From Table 14: Discharge Disposition by Cohort (%)	Skilled Nursing Facility														
All Patients	6.5	12.4	4.0	12.4	9.6	2.6	10.6	4.6	7.5	11.6	4.1	1.3	7.0	6.8	12.5
Blunt Multisystem	8.5	4.2	0.0	11.9	0.0	1.1	12.3	6.5	5.9	11.4	5.1	0.0	11.2	7.2	11.6
Penetrating	2.2	0.0	0.0	0.0	0.0	0.0	2.9	1.3	0.0	0.0	0.5	0.0	2.0	1.0	1.5
Shock	3.4	0.0	0.0	2.2	0.0	0.0	17.0	5.4	3.8	7.7	4.9	0.0	6.0	4.8	8.8
Severe TBI	3.8	0.0	0.0	1.8	0.0	2.4	5.7	5.9	1.7	6.3	8.7	0.0	7.0	5.4	6.1
Elderly	19.7	25.6	4.0	29.6	21.3	5.8	24.3	12.4	17.0	25.8	11.8	5.0	17.1	17.6	25.1
Elderly Blunt Multisystem	24.1	12.5	0.0	43.8	0.0	0.0	33.3	18.5	14.3	28.3	6.3	0.0	32.6	19.1	24.8
Isolated Hip Fracture	42.6	38.1	3.0	52.0	44.8	13.3	33.9	11.1	43.5	52.2	30.6	7.5	22.1	32.6	45.4
From Table 14: Discharge Disposition by Cohort (%)	Inpatient Rehab														
All Patients	10.8	10.2	72.0	8.9	8.6	16.6	11.1	12.5	5.8	8.5	8.5	18.4	8.4	10.3	14.1
Blunt Multisystem	19.5	12.5	16.0	14.4	22.7	24.4	20.4	16.3	10.4	15.3	16.1	27.3	11.2	17.3	23.1
Penetrating	5.6	0.0	0.0	11.4	0.0	3.1	3.9	0.0	5.3	0.0	4.2	2.0	0.0	3.4	6.3
Shock	10.2	12.5	2.0	15.6	18.2	12.9	10.6	8.1	9.6	20.5	8.8	11.5	6.0	10.5	16.9
Severe TBI	20.0	0.0	3.0	16.1	5.9	11.9	10.2	11.8	16.7	10.0	19.4	6.5	9.5	14.4	18.8
Elderly	13.0	15.4	48.0	10.0	6.3	30.8	17.5	27.6	5.4	6.0	15.4	35.3	14.2	15.9	17.0
Elderly Blunt Multisystem	11.1	12.5	7.0	18.8	14.3	39.3	26.3	33.3	7.1	9.4	20.5	40.0	8.7	20.1	22.3
Isolated Hip Fracture	19.1	15.5	80.0	7.3	11.5	58.6	21.2	57.1	10.6	5.0	21.6	54.7	32.7	27.1	23.0



# Level 1 and 2 Data Quality



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From Table 39: Unknown Model Variables by Cohort	SBP (Percent Missing)														
All Patients	1.4	9.5	4.3	3.7	6.6	3.8	3.9	0.5	4.3	3.3	1.7	5.3	9.9	3.7	2.5
Blunt Multisystem	0.5	4.2	4.9	0.8	9.1	4.4	1.9	0.8	0.7	2	1.8	6.4	5.0	2.3	1.9
Penetrating	3.3	11.1	0	2.9	0	3.1	2.9	1.3	0	0	1.7	6.1	2.0	2.3	4.3
Shock	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0.0	0	0
Severe TBI	0	0	0	1.8	5.9	7.1	0	2	3.3	1.3	0.8	4.3	4.2	1.8	2.3
Elderly	0.6	12.8	5.3	3.9	9.4	4.7	4.8	0.5	5.4	0.3	1.3	5	13.6	4.7	2.8
Elderly Blunt Multisystem	1.9	12.5	6.7	0.0	14.3	10.7	3.5	3.7	0	0	2.7	5	6.5	3.7	2
Isolated Hip Fracture	3.2	16.7	5.8	4.5	14.9	7.4	10.3	0	8.2	0	2.2	5.7	21.2	8.4	4
From Table 39: Unknown Model Variables by Cohort	Pulse														
All Patients	1.1	9.1	4.9	3.0	6.3	3.6	4.2	0.4	3.8	3.2	2.2	4.9	10.6	3.8	2.3
Blunt Multisystem	1	4.2	7.3	0.0	4.5	4.4	2.8	0.8	0	1.5	2.5	4.5	6.7	2.6	1.6
Penetrating	3.3	0	0	2.9	0	3.1	2.9	0	0	0	1.2	6.1	4.0	2.1	3.4
Shock	0	0	15.4	0.0	0	0	0	0	0	0	0.7	0	0.0	0.5	0.7
Severe TBI	0	0	12.5	0.0	5.9	7.1	0	2	0	0	1.1	6.5	3.2	1.8	1.6
Elderly	0.9	12.8	6.9	3.2	9.4	4	5	0.5	5.4	3.8	2.4	5	14.7	5	2.6
Elderly Blunt Multisystem	3.7	12.5	6.7	0.0	0	10.7	5.3	3.7	0	3.8	2.7	5	13.0	4.7	1.8
Isolated Hip Fracture	2.1	16.7	6.7	5.6	14.9	7.4	10.3	0	6.5	9.4	3.7	5.7	20.2	8.3	3.8
From Table 39: Unknown Model Variables by Cohort	GCS Motor														
All Patients	5.9	7.7	2.8	6.0	8.6	11.1	1.9	0.8	5.3	23.2	0.6	9.7	2.0	5.2	3.7
Blunt Multisystem	4.5	8.3	0	1.7	0	8.9	2.4	0	0.7	7.4	0.8	2.7	1.7	2.6	2.2
Penetrating	3.3	0	0	0.0	12.5	15.6	0	0	0	2.9	0.2	0	0.0	1.1	2.1
Shock	1.7	12.5	0	0.0	0	3.2	0	0	0	2.6	0.0	7.7	0.0	1.1	1.7
Severe TBI	0	0	0	0.0	0	0	0	0	0	0	0.4	0	0.0	0.1	0.5
Elderly	5.2	11.1	3.8	5.1	11	11.2	3.1	1.9	6.5	34.5	0.1	24.4	2.9	7.9	5
Elderly Blunt Multisystem	5.6	12.5	0	0.0	0	10.7	5.3	0	0	15.1	0.9	5	2.2	4.3	3.1
Isolated Hip Fracture	17	10.7	5.8	8.4	24.1	18.2	9.1	1.6	10	47.8	0.7	32.1	3.8	15	7.8

# Level 3 Decile Report



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Outcome	Cohort	Decile							
		2	4	10	1	6	3	7	10
Mortality	All Patients	2	4	10	1	6	3	7	10
	Elderly	1	4	9	1	7	4	3	8
	Isolated Hip Fracture	9	10	2	4	3	4	9	2
Major Hospital Events	All Patients	4	3	9	4	7	8	2	9
	Elderly	6	5	9	1	8	4	4	6
	Isolated Hip Fracture	8	5	3	5	8	5	2	8
Major Hospital Events Incl. Death	All Patients	2	3	10	1	7	6	5	10
	Elderly	1	4	9	1	7	3	3	6
	Isolated Hip Fracture	8	10	2	4	6	4	7	3
Operative Fixation in elderly patients with isolated hip FX > 48 hrs %		17.6	20	19.6	13.3	6.9	16.9	9.7	14.1



# Level 3 Transfer Times by Cohort

Cohort	Time to Transfer Hours-Median HRS (IQR)							
All Patients	5.39	2.57	3.03	2.16	3.24	2.87	1.92	2.9
Severe TBI	NA	NA	NA	NA	NA	NA	NA	NA
Pediatric	3.31	3.56	2.07	1.34	1.67	1.95	1.55	2.28
Elderly	12.71	2.47	3.59	2.14	3.58	4.29	1.97	3.24
Isolated Hip Fractures	NA	7.14	17.39	1.97	NA	4.3	4.52	46.5
Early Transfer	3.67	2.66	2.98	2.12	2.58	2.79	1.91	2.98

# Pediatric Outliers and Deciles



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Outcome	Cohort	Outlier (High, Average,Lo w)	Decile	Outlier (High, Average,L ow)	Decile	Outlier (High, Average,Lo w)	Decile
Mortality	All	Average	1	Average	7	High	10* reporting error
	Age 0 - 13	Average	2	Average	9	High	10* reporting error
	Age 14 - 18	Average	1	Average	2	Average	10
	Severe TBI	Average	1	Average	9	Average	10
	TBI Age 0- 13	Average	3	Average	10	Average	9
	TBI Age 14 - 18	Average	1	Average	2	Average	10
Major Hospital Events	All	Average	9	High	10	Average	9
	Age 0 - 13	High	10	High	10	Average	9
	Age 14 - 18	Average	4	Average	8	Average	8
	Severe TBI	High	10	High	10	Average	10
	TBI Age 0- 13	High	10	High	10	Average	8
	TBI Age 14 - 18	Average	7	Average	6	Average	10
Major Hospital Events Incl. Death	All	Average	6	Average	8	Average	10
	Age 0 - 13	Average	9	Average	9	Average	10
	Age 14 - 18	Average	1	Average	4	Average	9
	Severe TBI	Average	9	Average	9	Average	10
	TBI Age 0- 13	Average	10	Average	10	Average	9
	TBI Age 14 - 18	Average	1	Average	1	Average	10

Major events and opportunities varied by center including:

- Pneumonia/VAP
- ARDS
- Unplanned return to OR

## Process Measures

<b>From Table 14: First Operative Internal or External Fixation in Patients with Mid-Shaft Femur Fracture more than 24 hrs (%)</b>	3.4	5.4	2.7
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# Discussions and Questions

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