ACS Committee on Trauma
American College of Surgeons

TQIP23 Annual Conference

December 1-3
Louisville, KY

ROAD TO RECOVERY

facs.org/tqipconference #TQIP23

TQIP23 Annual Conference
December 1-3 | Louisville, KY
ROAD TO RECOVERY

One Small Step in Data, One Giant Leap in Data Quality

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UC Health-West Chester Hospital Level III Trauma Center

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ACS AMERICAN COLLEGE OF SURGEONS

Disclosure

- I have no disclosures

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West Chester Hospitals Statistics

- Level III Trauma Center Verified since 2014
- 1366 All Trauma Encounters for 2022
- 1378 All Trauma Encounters for 2023 YTD
- 216 Licensed Beds/Community Hospital
- 19 ICU/18 Step-down Beds (same floor)

West Chester, Ohio

UC Health
West Chester Hospital

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West Chester Trauma Administrative Team

Aaron Seitz
Trauma Medical Director

Jeni Brodsky
Trauma Program Manager
2013-2023

Matt Lang
Trauma Program Manager
2024

Erin Ward
PI Coordinator

Kelly Holtel
PI Coordinator

Lita Holdeman
Registry Information Coordinator

April O'Connell
Trauma Registrar

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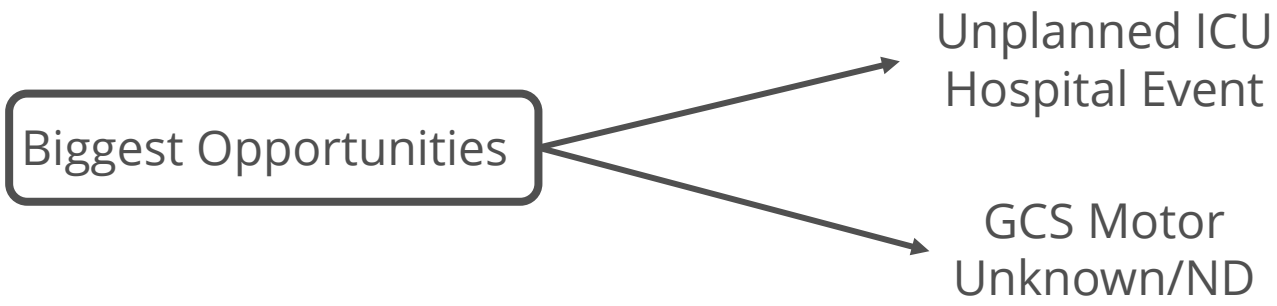
Background

COLLABORATIVE Review
Improves data quality

Lead Registrar ⟷ Trauma Program Manager

Identified OFI in data quality



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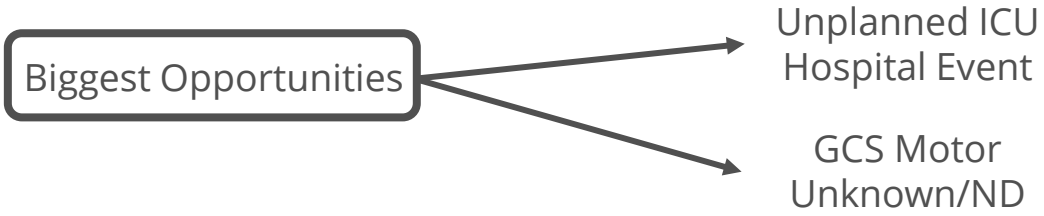

Drill down
Monthly Dashboard data validation
Compare to Submission Frequency Report
Identified:

- Missing/unidentified data
- Wrong data

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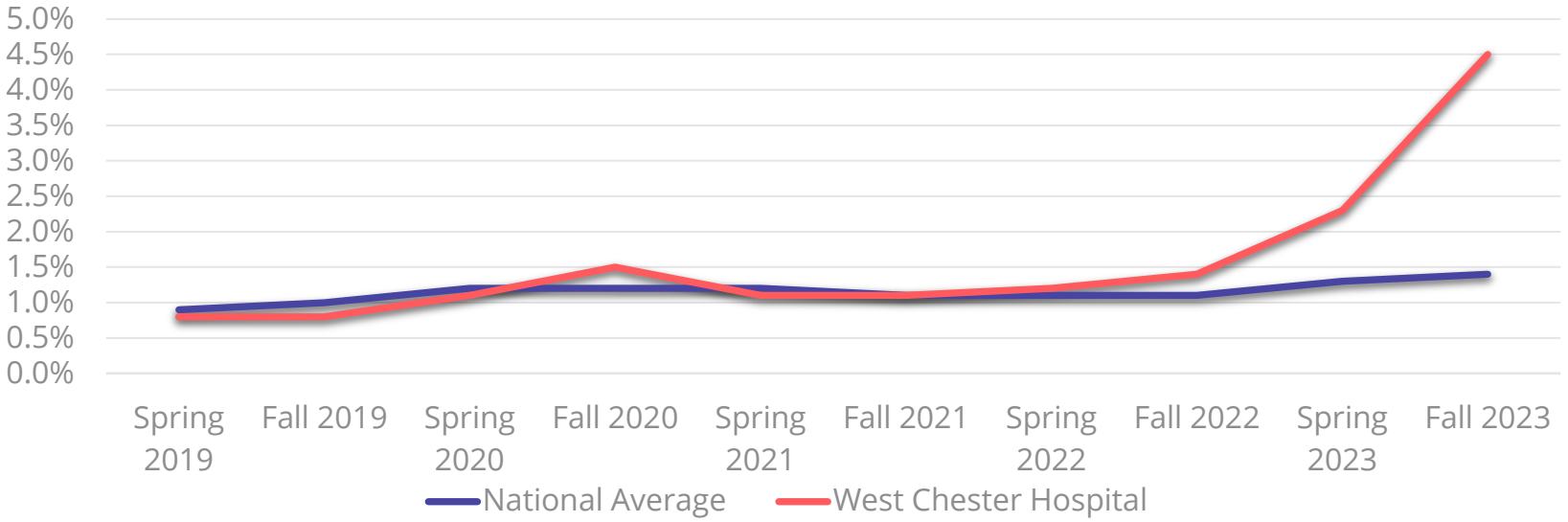
Hospital Event of Unplanned Admission to ICU TQIP Report



Confident even though current TQIP report not ideal, the quality of submitted data in these two categories is more accurate than before these processes initiated.

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Submission Frequency Report (SFR) and Monthly Dashboard

Submission Frequency Report

Element Description	Value	N	Percent	Notes
Unplanned Admission to ICU	Yes	3	1.16%	Scooby Doo 0123456 TR # 12345 07/04/20232 Rachel Green 0234517 TR # 23456 08/23/20236 Iron Man 0345678 TR # 34657 09/01/2023

Monthly Dashboard

Patient	Arrival Date	DC Destin	MRN	Name	Activation	ISS	Complication Description
12345	7/4/2023		123456	Doo, Scooby	Consult	9	Unplanned admission to the ICU -Erin Agrees
23456	8/23/2023		345678	Green, Rachel	Alert	14	Unplanned admission to the ICU -Erin Agrees
34567	9/1/2023		234517	Man, Iron	Stat	25	Unplanned admission to the ICU -Erin Agrees
45678	9/12/2023		456789	Seger, Bob	Consult	17	Unplanned admission to the ICU -Erin Disagrees

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West Chester Data Dictionary

WCH Registry		Last Updated: 09/06/2023	
UNPLANNED ADMISSION TO ICU			
CDM Name:	COMP_TYPE		
Field Level:	TQIP, State, Regional	**Collection Timeframe:**	9/1/2019-Present

Definition:
Patients admitted to the ICU after initial transfer to the floor*, and/or patients with an unplanned return to the ICU after initial ICU discharge.

*Floor is defined as any other ward that is not an ICU. "Floor" also includes step-down units, intermediate care units, and the operating room for the purposes of this definition.

Field Values:
- UNPLANNED.ICU

Source of Data:

Additional Information: Resources and/or Education
Example:
TQIP Webinar Education, December 2019
March 2020 TQIP Quiz:
NTDS Frequently Asked Questions:

Change log:

Date:	Action:	Description:

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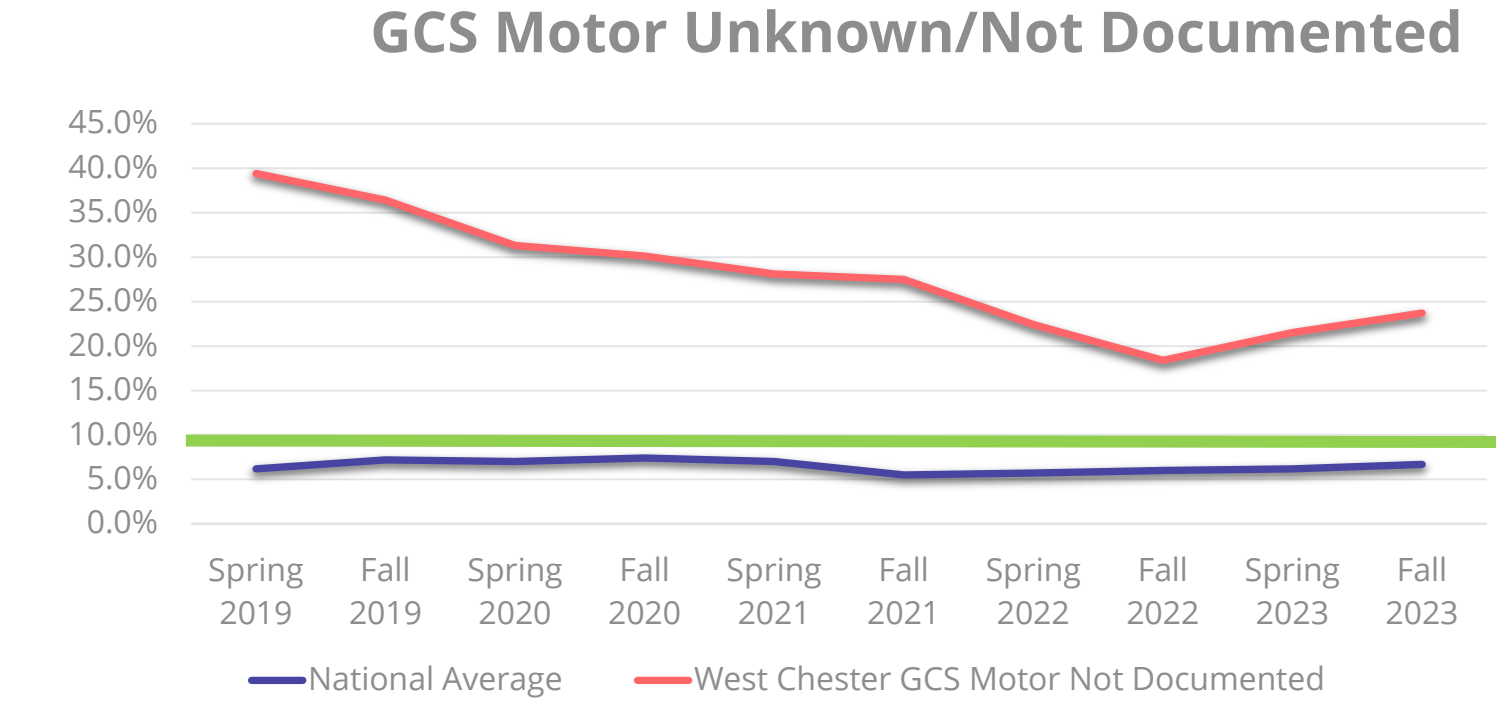
GCS Motor Missingness/Unknown Models Data
TQIP Data Quality Report



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Sample of Monthly GCS Dashboard

ED GCS Eye	ED GCS Verbal	ED GCS Motor	ED GCS	Comments
		GCS Motor: 91%		
3	2	5	10	fixed in TB
ND	ND	ND		
ND	ND	ND		
4	4	5	13	fixed in TB
ND	ND	ND		
ND	ND	ND		
4	5	6	15	fixed in TB
ND	ND	ND		
ND	ND	ND		
4	5	6	15	fixed in TB

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West Chester Data Dictionary

WCH TRAUMA Registry		Last Updated:	09/15/2023
GCS EYE, VERBAL, MOTOR (INITIAL HOSPITAL)			
Software Name:	EYE_OPENING, VERBAL_RESPONSE, MOTOR_RESPONSE		
Field Level:	Regional, State, TQIP		
UC Trauma:	01/01/2004 - Present		

Definitions and Field Values:

GCS EYE	GCS VERBAL	GCS MOTOR
First recorded Glasgow Coma Score within 30 minutes of arrival to hospital.		
This measures the patient's best eye response.	This measures the patient's best verbal response.	This measures the patient's best motor response.
4 Spontaneous 3 Voice - opens eyes to verbal stimul 2 Pain, opens eyes to noxious stimuli 1 No eye opening ND Not Documented NA Not Applicable (Initial Scene Vitals	5 Oriented 4 Confused 3 Inappropriate sounds 2 Incomprehensible sounds 1 None ND Not Documented NA Not Applicable (Initial Scene Vitals	6 Obeys Commands. Normal spontaneous mov 5 Localize Pain 4 Withdrawn 3 Flexion 2 Extension 1 None ND Not Documented NA Not Applicable (Initial Scene Vitals only)

Source of Data: This is where to locate data in patient record

Additional Information: Resources and/or Education
Example:
TQIP Webinar Education, December 2019

Change log:

Date:	Action:	Description:

The opinions expressed in these presentations are those

Conclusions

- Set up monthly reports to review exportable data
- Review Submission Frequency Report in detail
- Importance of Facility specific data dictionary
- No Surprises on TQIP Benchmark Report

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References

- TQIP Benchmark Reports 2019-2023
- West Chester Hospital Trauma Registry Facility Dictionary
- National Trauma Data Standard Data Dictionary

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