Data Management Committee

Statewide Trauma Advisory Council Wednesday, September 6, 2023



Acronyms

- ACS: American College of Surgeons
- NTDS: National Trauma Data Standard

Agenda

- Introductions
- Approval of minutes
- Trauma registry website
- Data quality review
- 2024 Data Dictionary
- AAAM AIS course update
- Demonstrations in Patient Registry

Data Management Committee

- Chair: Laura Kane, Trauma Program Manager,
 American Family Children's Hospital
- Vice Chair: Kurrie Pelegrin, Trauma Data Analyst Sr., Aurora Summit and Washington Co.

Data Management Committee

- Meredith Glueck, Trauma Registrar, SSM Health St. Mary's Hospital Madison
- Stephanie Becker, Trauma Registrar, Froedtert Menomonee Falls and West Bend Hospitals
- Nathan Emerson, Supervisor of Trauma Registry, Froedtert Hospital
- Meghan Zakaouanou, Clinical Performance Analyst, UnityPoint Health Meriter

Data Management Committee

- Trauma Registry Data Manager: Katie Prather,
 Wisconsin Department of Health Services
- State Trauma Coordinator: Margaret Finco, Wisconsin Department of Health Services

Approval of Minutes

Trauma Registry Website

Trauma Registry Website

- Wisconsin Trauma Registry
 - Current data dictionary
 - Patient Registry training videos
 - https://www.dhs.wisconsin.gov/trauma/registry.htm
- Trauma: Wisconsin Admin. Code ch. DHS 118 and Site Review Resources
 - Site review documents
 - https://www.dhs.wisconsin.gov/trauma/dhs-118.htm

- Reports to Use
 - Data elements hospital count
 - ◆ Data elements importing facilities hospital count
 - Pre-existing conditions/hospital events hospital count
- Reports to Use for Troubleshooting
 - Required data elements report part 1
 - Required data elements report part 1 importing facilities
 - Required data elements report part 2

Ethnicity- Hospital Counts

Patient Ethnicity (TR1.17)	Count	Percent
Facility Name: *ImageTrend/Lakeville Hospital		
	62	57.94%
-Select-	24	22.43%
Hispanic or Latino	8	7.48%
Not Hispanic or Latino	9	8.41%
Not Known/Not Recorded	4	3.74%
	Total: 107	Total: 100.00%
	Total: 107	Tetal: 100.00%

Gender - Hospital Counts

Patient Gender	Count	Percent
Facility Name: *ImageTrend/Lakeville Hospital		
Blank	60	56.07%
-Select-	20	18.69%
Female	10	9.35%
Male	15	14.02%
Non-binary (Intersex or Indeterminate)	1	0.93%
Not Known/Not Recorded	1	0.93%
	Total: 107	Total: 100.00%
	Total: 107	Total: 100.00%

For Discussion Only

Acute Respiratory Distress Syndrome-Hospital Counts

Hospital Event - Acute Respiratory Distress Syndrome (ARDS)	Count	Percent
Facility Name: *ImageTrend/Lakeville Hospital		
	85	79.44%
No	18	18.82%
Not Known/Not Recorded	1	0.93%
Yes	3	2.80%
	Total: 107	Total: 100.00%
	Total: 107	Total: 100.00%

ADD/ADHD- Hospital Counts

Pre-Existing Condition - Attention Deficit Disorder/Attention Deficit Hyperactivity Disorder (ADD/ADHD)	Count	Percent		
Facility Name: *ImageTrend/Lakeville Hospital				
		80.37%		
No	16	14.95%		
Yes	5	4.67%		
	Total: 107	Total: 100.00%		
	Total: 107	Total: 100.00%		

For Discussion Only

IMAGE*TREND*°

Required Data Elements Report Part 2

ED Admission Date (TR18.55)	Patient Medical Record Number (TR1.2)	Incident Number (TR5.12)	Hospital Event - Acute Kidney Injury (AKI)	Hospital Event - Acute Respiratory Distress Syndrome (ARDS)	Hospital Event - Alcohol Withdrawal Syndrome	Hospital Event - Cardiac Arrest with CPR	Hospital Event - Catheter- Associated Urinary Tract Infection (CAUTI)	Hospital Event - Central Line- Associated Bloodstream Infection (CLABSI)	Hospital Event - Deep Surgical Site Infection	Hospital Event - Deep Vein Thrombosis (DVT)	Delirium	Hospital Event - Myocardial Infarction	Hospital Event - Organ/Space Surgical Site Infection		Hospital Event - Pressure Ulcer	Hospital Event - Pulmonary Embolism (PE)	Hospital Event - Severe Sepsis	Hospital Event - Stroke/CVA	Hospital Event - Superficial Incisional Surgical Site Infection	Hospital Event - Unplanned Admission To ICU	Hospital Event - Unplanned Intubation
11/17/2022	testing	ImageTrend -221117- Demo073	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
11/17/2022		ImageTrend -221117- Demo071																			
11/17/2022		ImageTrend -221117- Demo072	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
12/01/2022		ImageTrend -221201- Demo074																			
12/03/2022	11011000010	ImageTrend -221206- Demo075	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
12/07/2022	F1245	ImageTrend -221207- Demo076	Yes	Not Known/Not Recorded	Not Known/Not Recorded	No	Yes	No	Not Known/Not Recorded	No	Yes	Yes	Not Known/Not Recorded	Not Known/Not Recorded	No	Yes	No	Not Known/Not Recorded	Not Known/Not Recorded	No	Yes

- Common Missing Data and Issues
 - Pre-Existing Conditions
 - Transfer Delay
 - Gender Identity
 - How are these elements being collected?
 - Barriers to collecting information?
 - Possible solutions?

2024 Data Dictionary

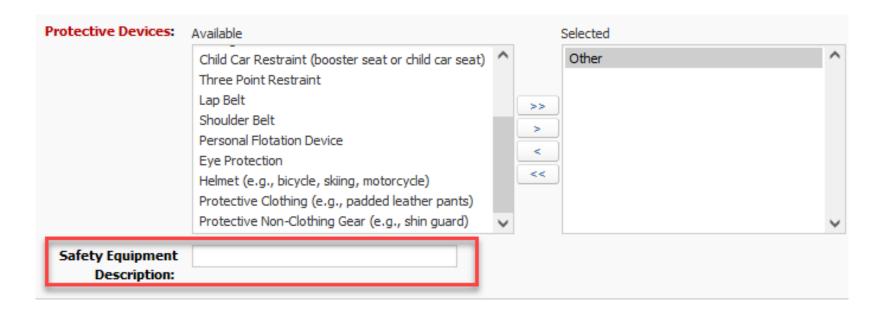
2024 Data Dictionary

- ACS NTDS Data Dictionary
 - No retired elements
 - No new elements
 - No major current element changes
 - No inclusion criteria changes

- Required for State Direct Entry Submissions
 - TR25.33 Hospital admission date
 - TR25.47 Hospital admission time

- Required for all (currently required for direct entry)
 - TR33.1 Referring facility
 - TR8.8 Mode of arrival
 - TR17.25 ED discharge date
 - TR17.26 ED discharge time
 - TR25.34 Hospital discharge date
 - TR25.48 Hospital discharge time

- New optional data element
 - TR29.10 Safety equipment devices
 - Linked to TR29.24 Protective Devices
 - Appears when "Other" is selected
 - Free text field



- Change from required to optional for direct entry
 - TR33.2 Referring facility arrival date
 - TR33.3 Referring facility arrival time
 - TR33.30 Referring hospital discharge date
 - TR33.31 Referring hospital discharge time

- Change from required to optional for direct entry
 - TR5.33 Extrication
 - TR7.3 Name of EMS service
 - TR15.38 EMS run sheet/status
 - TR17.78.3 New activation level

2024 Data Dictionary: Wisconsin Elements

- No change for direct entry and will stay optional. They can be useful for PRQ
 - TR17.15 Date physician arrived
 - TR17.9 ED physician
 - TR17.13 ED physician service type
 - TR18.98 Admitting MD/staff
 - TR200.2.2.1 Operation number
 - TR200.2.2.3 Date/Time in OR
 - TR200.6 Service type of the physician
 - TR200.11 Procedure performed location

PRQ Reports Associated with Data Element Changes

- Will function without elements made optional
 - Abnormal scene time for patients arriving by EMS
 - Open cases over or near 60-day timeliness threshold
 - Over triage report
 - Under triage report
 - Total number of highest-level activations

PRQ Reports Associated with Data Element Changes

- Will not function without elements made optional
 - Patients arriving by EMS w/no ePCR

PRQ Reports Associated with Existing Optional Data Elements

- Percent of time surgeon is present in ED within 30 minutes of highest-level activation
- Percent of time physician/APP/mid level provider is present in ED within 30 minutes of highest-level activation
- Surgeon activation for highest level activation
- Number of trauma patients admitted with ISS>15 per physician

PRQ Reports Associated with Existing Optional Data Elements

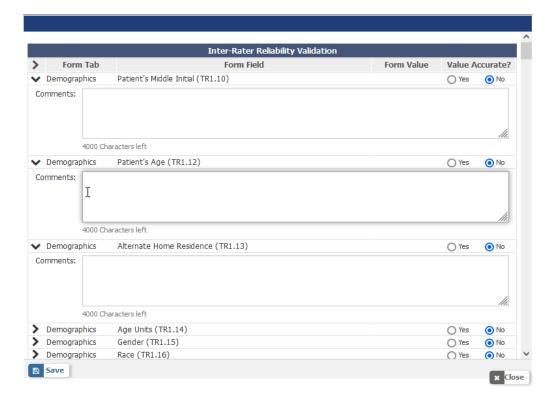
- Number of trauma patients admitted per year per physician
- Number of trauma craniotomies per year per physician
- Physician and count of procedures

AAAM AIS Course Update

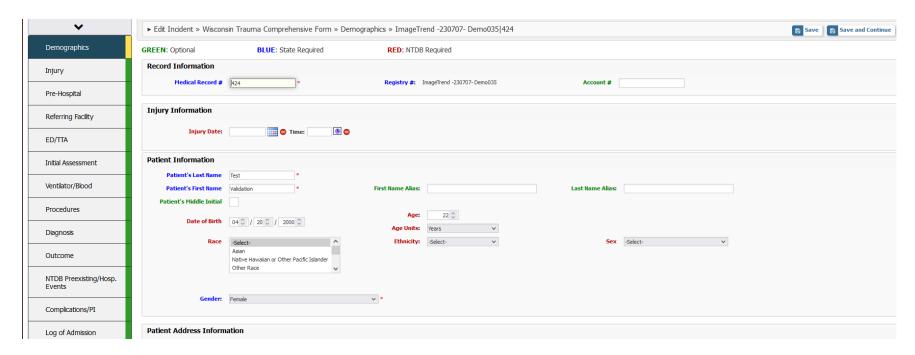
Status Update

- Waiting for State Fiscal Year 2023 close out to occur for finalized budget, typically be the end of August
- Proposal will be sent to leadership for approval
- Proper State procurement procedures will then be followed
- Likely Spring 2024 at the earliest

 Updated Inter-Rater Reliability



- Layout change
- Users name > Edit > Additional information > Incident tab display > vertical



- Report Writer
 - ♦ Hospital Events Hospital Count
 - Required Data Elements Report Part 2
 - Door to CT Scan (all diagnoses)

Other Topics or Questions?

Thank You!