

Data Management Committee will begin at 9 a.m.

Data Management Committee

Statewide Trauma Advisory Council
Wednesday, December 4, 2024

Acronyms

- ED: Emergency department
- GCS: Glasgow Coma Scale
- ICD: International Classification of Diseases
- FAQ: Frequently asked question
- PRQ: Pre-review questionnaire

Agenda

- Introductions
- Approval of minutes
- EPIC trauma registry report
- PRQ data tables
- Data collection at facilities
- Hospital data report usage

Agenda

- Trauma registry 101 and 102 course
- Trauma registry FAQs
- Public comment related to the Wisconsin Trauma Care System

Data Management Committee

- **Chair:** Laura Kalscheur, 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 and Sun Prairie
- **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 Wogahn, Wisconsin Department of Health Services
- **Trauma Program Nurse Consultant:** Lexi Bandt, Wisconsin Department of Health Services

Approval of Minutes

EPIC Trauma Registry Report Presentation

PRQ Data Tables and Report Writer Presentation

PRQ Data Tables

- Site review PRQ data tables explanations
- <https://www.dhs.wisconsin.gov/publications/p03178a.pdf>
- Explains how to complete PRQ data tables

PRQ Data Tables

Data Calculations for Table Two

Use the information below as a guide to complete Table Two. This is to be used as a quality check on the PRQ data.

1. To answer **Entered into Trauma Registry** in **Table Two**, use the formula **Box 1 = Box 3 + Box 4 + Box 5 + Box 6**.
2. To answer **Transferred** in **Table Two**, use the formula **Box 5 = Box 14**.
3. To answer **Admitted to your facility (inpatient, short stay, observation)** in **Table Two**, use the formulas **Box 6 = Box 20** and **Box 6 = Box 33**.

Table Two Trauma/Hospital Statistical Data

Trauma/ Hospital Statistical Data (using data from reporting year please complete the following)

Table Two		
Patients	Number	
Entered into Trauma Registry	300	Box 1
Highest Level Trauma Activation	30	Box 2
Discharged Alive From ED	50	Box 3
Discharged as Deceased from ED	5	Box 4
Transferred	175	Box 5
Admitted to your facility (inpatient, short stay, observation)	70	Box 6

PRQ Data Tables

Data Calculations for Table Three

Use the information below as a guide to complete Table Three. This is to be used as a quality check on the PRQ data.

1. To answer **Total Transfers In** in **Table Three**, use the formula **Box 10 = Box 7 + Box 8 + Box 9**.
2. To answer **Total Transfers Out** in **Table Three**, use the formulas **Box 14 = Box 11 + Box 12 + Box 13** and **Box 14 = Box 5**.

Table Three Number of Trauma Transfers

Table Three								
Number of Trauma Transfers	Air		Ground		Private Vehicle		Total	
Transfers In	0	Box 7	50	Box 8	15	Box 9	65	Box 10
Transfers Out	25	Box 11	145	Box 12	5	Box 13	175	Box 14

PRQ Data Tables

Data Calculations for Table Four

Use the information below as a guide to complete Table Four. This is to be used as a quality check on the PRQ data.

1. To answer **Total Admissions** in **Table Four**, use the formulas **Box 20 = Box 6**, **Box 20 = Box 33**, and **Box 20 = Box 15 + Box 16 + Box 17 + Box 18 + Box 19**.

Table Four Trauma Admissions by Service

Table Four		
Trauma Admissions by Service	Number of Admissions	
General/ Trauma Surgery	15	Box 15
Orthopedic Surgery	10	Box 16
Neurosurgery	3	Box 17
Other Surgical Subspecialties	2	Box 18
Non-Surgical	40	Box 19
Total Admissions	70	Box 20

PRQ Data Tables

Data Calculations for Table Five

Use the information below as a guide to complete Table Five. This is to be used as a quality check on the PRQ data.

1. To answer **Total Number of Admissions with Injury Severity Score** in **Table Five**, use the formulas **Box 33 = Box 21 + Box 24 + Box 27 + Box 30**, **Box 33 = Box 20**, and **Box 33 = Box 6**.
2. To answer **Number of Deaths after Admission (includes observation status) with Injury Severity Score** in **Table Five**, use the formula **Box 34 = Box 22 + Box 25 + Box 28 + Box 31**.
3. To answer **Number Admitted to a Surgical Service with Injury Severity Score** in **Table Five**, use the formulas **Box 35 = Box 23 + Box 26 + Box 29 + Box 32** and **Box 35 = Box 15 + Box 16 + Box 17 + Box 18**.

PRQ Data Tables

Table Five Injury Severity Score/ Mortality for Admissions

Injury Severity Score/ Mortality for admissions to inpatient, observation, short stay:

Table Five						
ISS	Total Number of Admissions		Number of Deaths after Admission (includes observation status)		Number Admitted to a Surgical Service	
0-9	8	Box 21	0	Box 22	2	Box 23
10-15	10	Box 24	0	Box 25	5	Box 26
16-24	34	Box 27	1	Box 28	17	Box 29
25 and greater	18	Box 30	2	Box 31	6	Box 32
Total	70	Box 33	3	Box 34	30	Box 35

Data Collection Discussion

Data Collection Discussion

- How does a facility decide what to collect?
- How is this documented?
- How often do you evaluate the data elements?
- Do you use all the data elements?
- Can you stop collecting some data elements?

Hospital Data Report Discussion

Hospital Data Reports Discussion

Test Hospital Report Card

Report Level	Total Incidents	Total Adult Incidents	Total Pediatric Incidents	Total Transfers	Total Activated at Highest Level	Total Time to Transfer > 3 Hours with ISS > 15	Mortality Rate	Mean Time to Transfer with ISS > 15	Median Time to Transfer with ISS > 15	Mean ISS	Median ISS	Over Triage Rate	Under Triage Rate	Percent Timely Submission
Test Hospital	50	44	6	10	2	1	5%	209.0	209.0	5.2	4	4%	0%	88%
Southeast	2815	2656	159	497	195	29	2%	233.5	216.0	6.5	5	6%	1%	91%
Wisconsin	5144	4858	286	1269	381	69	2%	263.2	194.5	6.4	5	7%	1%	89%

Hospital Data Reports Discussion

- How are they used at your facility?
- Who sees the reports?
- Any additional suggestions for them?

Trauma Registry 101 and 102 Courses

Trauma Registry 101 and 102 Courses

- Virtual courses designed to teach Patient Registry
- Trauma registrars are target audience
- Two beginner courses
- Two advanced courses
- The registration will be sent out via GovDelivery
- Spring 2025

Trauma Registry FAQs

Trauma Registry FAQ

- Q: If initial assessment vitals are taken after 30 minutes of ED or hospital arrival, are they entered?
- A: No. Only enter vitals taken within 30 minutes or less of ED or hospital arrival.

Trauma Registry FAQ

- Q: What is the final hospital discharge date and time for a patient that is transferred to inpatient hospice?
- A: The date and time of the patient's final discharge (including hospice) or the date and time of patient death.

Trauma Registry FAQ

- Q: If a patient only has superficial injuries (S00, S10, S20, S30, S40, S50, S60, S70, S80, or S90 ICD-10 codes) would they meet inclusion criteria?
- A: No. To meet inclusion criteria, patients must have at least one of the following codes and excluding superficial injury codes:
 - S00-S99
 - T07
 - T14
 - T79.A1-T79.A9

Trauma Registry FAQ

- Q: If a patient receives a trauma activation but does not meet inclusion criteria, how can I enter them in the trauma registry?
- A: These are optional. If your facility would like to use the trauma registry, the “activation only” form can be used.

Trauma Registry FAQ

- Q: If a patient is a direct admit, should TR18.55 ED or hospital arrival date be entered?
- A: Yes. This data element is asking for either the ED or hospital arrival date, not only the ED.

Trauma Registry FAQ

- Q: Who can unlock Patient Registry accounts?
- A: DHS trauma team or hospital administrators from your facility. ImageTrend cannot unlock accounts.

Trauma Registry FAQ

- Q: Can I create my own support ticket for ImageTrend?
- A: Yes. An [ImageTrend support account](#) is needed to create support tickets.

Trauma Registry FAQ

- Q: Can you enter both GCS and GCS-40 scores?
- A: No. Either GCS or GCS-40 scores can be entered but not both. If you are using GCS, then “Not known/not recorded” is reported for GCS-40.

Trauma Registry FAQ

- Q: Are Hospital Hub and Elite WARDS the same thing?
- A: They are different sites. Elite WARDS is for EMS agencies to enter patient runs. Hospital Hub is for trauma centers to view runs of patients transferred to your facility.

Public Comment Related to the Wisconsin Trauma Care System

Thank You!

Trauma Coordinators Committee will begin at 10 a.m.