Iowa Trauma Patient Data Dictionary

January 2017

Iowa Department of Public Health (IDPH)
Bureau of Emergency and Trauma Services (BETS)
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Contents

Introduction

The Iowa Trauma System Development Act was signed into Law April 19, 1995. The Bureau of Emergency and Trauma Services (BETS) is the lead agency for Iowa's EMS/trauma system. The Bureau of Emergency and Trauma Services is within the Division of Acute Disease Prevention and Emergency Response & Environmental Health (ADPER & EH) within the Iowa Department of Public Health (IDPH). The all-inclusive trauma care system has been fully operational since January 1, 2001.

The Trauma Registry was established as part of the State of Iowa Code: 147A.26 Trauma registry. This trauma data dictionary will serve as a guide for trauma nurse coordinators and data registrars in the trauma hospitals of Iowa. The success of the Trauma Registry is wholly dependent upon the day-to-day dedication of EMS personnel, health care providers, and especially the trauma coordinators and registrars, to ensure optimal data quality. This document is intended to provide a guideline for collecting information and offers clear instructions for completion of the required information.

Definition

Trauma patient - a victim of an external cause of injury that results in major or minor tissue damage or destruction caused by intentional or unintentional exposure to thermal, mechanical, electrical or chemical energy, or by the absence of heat or oxygen.

Trauma Registry Inclusion Criteria

Patients should be included in the Trauma Data Registry if the following criteria are met:

At least one of the following injury diagnostic codes defined as follows:

ICD-10: International Classification of Diseases, Tenth Revision (ICD-10-CM):
- S00-S99 with 7th character modifiers of A, B, or C ONLY. (Injuries to specific body parts–initial encounter)
- T07 (unspecified multiple injuries)
- T14 (injury of unspecified body region)
- T20-T28 with 7th character modifier of A ONLY (burns by specific body parts – initial encounter)
- T30-T32 (burn by TBSA percentages)
- T79.A1-T79.A9 with 7th character modifier of A ONLY (Traumatic Compartment Syndrome – initial encounter)

Excluding the following isolated injuries:
- ICD-10-CM:
  - S00 (Superficial injuries of the head)
  - S10 (Superficial injuries of the neck)
  - S20 (Superficial injuries of the thorax)
  - S30 (Superficial injuries of the abdomen, pelvis, lower back and external genitals)
  - S40 (Superficial injuries of shoulder and upper arm)
  - S50 (Superficial injuries of elbow and forearm)
  - S60 (Superficial injuries of wrist, hand and fingers)
  - S70 (Superficial injuries of hip and thigh)

- S80 (Superficial injuries of knee and lower leg)
- S90 (Superficial injuries of ankle, foot and toes)

- Late effect codes, which are represented using the same range of injury diagnosis codes but with the 7th digit modifier code of D through S, are also excluded.

AND MUST INCLUDE ONE OF THE FOLLOWING:

1. Patients who are admissions, to be defined as any patient beyond the Emergency Department, or
2. Patients who died after receiving any evaluation or treatment or were dead on arrival, or
3. Patients who were transferred into or out of the trauma care facility.

OR

1. The trauma care facility trauma team is activated.

Isolated Hip Fractures

Isolated hip fractures due to same level falls are a significant issue in the state. Much consideration has been provided to requiring submission of this data to the trauma registry. However, it would be overly burdensome for most trauma care facilities to report on all isolated hip fractures associated with same level falls. Some trauma care facilities have made it a priority to track same level fall isolated hip fractures and would like to submit the data to the trauma registry.

Hospitals may optionally submit data associated with same level fall isolated hip fractures. If the facility elects to complete those submissions, all same level fall isolated hip fractures should be included. Notify IDPH if the facility plans to submit this data. The submitted data will be used to develop a model to extrapolate the prevalence and impact of isolated hip fractures from same level falls in the state.

Hospitals that elect to not submit same level fall isolated hip fractures should not enter any isolated hip fractures associated with same level falls. Hip fractures associated with poly trauma or isolated hip fractures not associated with a same level fall (e.g. motor vehicle crash) should be included in the trauma registry.

Data Submission and Forms
Trauma Short Form ICD-10, Trauma Incident Form ICD-10, and Trauma + TQIP ICD-10 Form
The trauma forms only need to be completed on patients that meet trauma inclusion criteria.

Complete the Trauma Short Form when*:
- Patient dies in the emergency department
- Patient is transferred to another facility for definitive care

- o   Trauma activation occurred that resulted in discharge of patient

Complete the Trauma Incident/Trauma +TQIP Forms when*:
- o   Patient is admitted to the facility. Including:
    - o   Admitted for observation
    - o   Admitted for surgery; even when discharged from surgery

*IMPORTANT NOTE: For hospitals that elect to submit data to NTDB, patient information should always be entered on the Trauma Incident Form ICD-10. For hospitals electing to submit NTDB and TQIP data, patient information should always be entered on the Trauma + TQIP ICD-10 form.

National Trauma Data Bank (NTDB) and ACS Trauma Quality Improvement Program (TQIP) Submission

Submission to NTDB and TQIP is not required for non-ACS verified hospitals. Some hospitals elect to submit to NTDB and/or TQIP. The trauma data registry is designed to meet those reporting requirements. To seek additional information on the National Trauma Data Bank go to: https://www.facs.org/quality-programs/trauma/ntdb.

Readmissions

The readmission form only needs to be completed for patients readmitted within 72 hours for care to treat traumatic injuries associated with the original visit.

Timing of Submissions

Timely submission of registry data is necessary to facilitate beneficial quality and performance improvement.

Direct Data Entry into the Trauma Registry

Trauma Care facilities that enter data directly into the state registry system shall enter, at a minimum, 80% of cases within 60 days of patients discharge. It is expected that 100% of cases will be entered within 120 days of patient's discharge.

Third Party Upload of Data into the Trauma Registry

Trauma care facilities that submit trauma registry data via upload shall submit, at a minimum, 80% of cases the first business day of every even numbered calendar month. Any cases not submitted (remaining 20%) in the initial upload shall be submitted with the next scheduled upload to ensure 100% of cases are submitted within approximately 120 days of patient's discharge.

Required Data Elements and Form Placement

The following table appears for each data element. The purpose of this table is to identify if the field is required by a certain entity (State, NTDB, TQIP), association of validation rules applicable to the data element, and the form and tab where the data element is located.

Inclusion Entity	Required Data Element	Validated Field		Form	Location of Data Element
State*	Yes/No	Yes/No		Short Form ICD-10	Tab Name or NA
NTDB	Yes/No	Yes/No		Trauma Incident Form ICD-10	Tab Name or NA
TQIP	Yes/No	Yes/No		Trauma + TQIP ICD-10	Tab Name or NA

*Note: For trauma facilities conducting third parties upload: Some data fields may be a direct upload of data while other fields may be calculated values based on direct upload data. IDPH will assist in facilitating with the current State vendor, the trauma care facilities, and the third party vendors to ensure the intent of State required fields are met within the parameters of the data systems being utilized.

Validation Scores
Validation rules have been developed for the state trauma registry. These validation rules are in place to help ensure complete data is submitted. The completeness of the data directly impacts the usefulness of data in quality and performance improvement. Hospitals that are completing direct data entry into the registry should have a minimum average validation score of 85% for records. Scores lower than 85% are indicative of records with significant discrepancies.

Hospitals that are using a third party vendor to upload data will innately have a validation score lower than 100%. There are fields that are not required for state submission that have validation scores within the State registry system. These validation rules are in place to assist facilities that complete direct data entry. When a third party upload of data is completed, the State trauma registry will automatically run a system validation on the uploaded data. Since the uploaded data will not have all the same components as the direct entry data, some validation rules will not be met resulting in a lower validation score. IDPH will monitor uploaded data to ensure state required fields are completed.

Farm related injury - a non-household injury incurred on the farm by any farmer, farm worker, farm family member, or other individual, or any non-farm injury incurred by a farmer, farm worker, or farm family member in the course of handling, producing, processing, transporting, or warehousing farm commodities.
Indicates injury meets the farm-related injury definition. Agricultural injury may not have been necessarily work-related or directly related to the farm.
Includes:
- Motor vehicle crash while hauling livestock or grain (some type of farm commodity)
- Motor vehicle collision with a piece of agricultural equipment on the highway
- Railroad crash of grain cars
- Tractor roll-over
- Caught in power take-off
- Unloading grain wagon
- Being struck by a piece of metal while operating a grinding wheel on the farm

- Getting caught in a barbed wire fence on the farm
- Falling or slipping on the farm
- Being bitten by, struck by, or fallen on by an animal on the farm

Excludes:
- Injuries incurred by farmers or non-farmers who are on farm environs for a wide variety of purposes (e.g., visiting, hunting, swimming, and other recreational activities).
- Farmhouse or home premises of farm

Traumatic brain injury (TBI) - "clinically evident brain damage resulting from trauma or anoxia which temporarily or permanently impairs a person's physical or cognitive functions". The injury may be a penetrating or closed head injury resulting in death, or temporary or permanent impairment. Persons with brain injuries may display loss of consciousness, post-traumatic amnesia, a skull fracture, or damage to brain tissue as evidenced by neurological findings that can be reasonably attributed to a traumatic brain injury.

Traumatic Spinal Cord Injury (SCI) - an acute, traumatic lesion of the neural elements in the spinal canal, resulting in any degree of sensory deficit, motor deficit, or bladder/bowel dysfunction. The deficit can be temporary, permanent, or result in death. The lesion can occur at any level of the spinal cord and may be complete or incomplete. Spinal cord injuries include: cauda equina, conus medullaris injuries, central cord syndrome, anterior cord syndrome, posterior cord syndrome, Brown-Sequard syndrome, mixed syndrome, and cord compression. Patients presenting neurological symptoms upon admission which resolve before hospital discharge should also be reported.

Farm, Traumatic Brain Injury (TBI), and Traumatic Spinal Cord Injury (SCI) Reporting
Patients that meet both the Trauma Registry Inclusion Criteria and have a farm related, traumatic brain injury, or traumatic spinal cord injury should be entered into the trauma registry. For questions related to submission of traumatic brain injuries or traumatic spinal cord injuries that don't meet trauma registry inclusion criteria contact the IDPH Traumatic Brain Injury Program. For farm injuries that don't meet trauma registry inclusion criteria contact the IDPH Occupational Health and Safety Surveillance Program for additional assistance.

HIPAA Statement

The Iowa Department of Public Health (IDPH), in conjunction with the Attorney General's Office, has completed a comprehensive review of its programs and has determined that neither the agency as a whole, nor any of its programs, are covered entities under HIPAA. Because IDPH is not a covered entity, many agencies and facilities in Iowa that are covered entities have questioned whether they can continue to disclose the protected health information of their patients or clients to the IDPH as they have in the past. The short answer is YES, such disclosures may continue to occur under HIPAA.

First, HIPAA recognizes that if there is a statute or administrative rule that requires a specific disclosure of protected health information (PHI), a covered entity must obey that law (Section 164.512). Therefore, if there is another federal or state statute or administrative rule which requires a covered entity to disclose protected health information to the IDPH, the covered entity should follow that requirement. Many disclosures of PHI to IDPH are required by state laws, including Iowa Code chapters 135, 136A, 136B, 136C, 139A, 141A, 144, 147A, and 272C and the administrative rules that implement

these chapters. These disclosures are legally required and must continue to be made as mandated by state law.

Second, HIPAA allows a covered entity to disclose protected health information to public health authorities for public health activities (Section 164.512). HIPAA defines a public health authority as "an agency or authority of the United States, a State, a territory, a political subdivision of a State or territory, or an Indian tribe, or a person or entity acting under a grant of authority from or contract with such public agency, including the employees or agents of such public agency or its contractors or persons or entities to whom it has granted authority, that is responsible for public health matters as part of its official mandate," (Section 164.501). The IDPH has such a mandate and, therefore, is a public health authority under HIPAA.

The IDPH, in conjunction with the Iowa Attorney General's Office, has reviewed its programs and determined that protected health information being received by the Department from covered entities in Iowa is disclosed for public health activities. The disclosure of such information to IDPH is, therefore, unaffected by HIPAA and should continue in accordance with past practices. Because IDPH is a public health authority that is authorized to receive PHI under this provision, covered entities are not required to enter into a business associate agreement with IDPH in order for the exchange of protected health information to take place.

Third, in some instances, the IDPH is a health oversight agency as defined by HIPAA. Under HIPAA, a "health oversight agency" is "an agency or authority of the United States, a state, a territory, a political subdivision of a State or territory, or an Indian tribe, or a person or entity acting under a grant of authority from or contract with such public agency, including the employees or agents of such public agency or its contractors or persons or entities to whom it has granted authority, that is authorized by law to oversee the health care system (whether public or private) or government programs in which health information is necessary to determine eligibility or compliance, or to enforce civil rights laws for which health information is relevant."

HIPAA permits a covered entity to disclose protected health information to a health oversight agency for oversight activities authorized by law, including audits; civil, administrative, or criminal investigations; inspections; licensure or disciplinary actions; civil, administrative, or criminal proceedings or actions; or other activities necessary for appropriate oversight of:

   i.   The health care system (e.g. State insurance commissions, state health professional licensure agencies, Offices of Inspectors General of federal agencies, the Department of Justice, state Medicaid fraud control units, Defense Criminal Investigative Services, the Pension and Welfare Benefit Administration, the HHS Office for Civil Rights, the FDA, data analysis to detect health care fraud);
   ii.   Government benefit programs for which health information is relevant to beneficiary eligibility (e.g. SSA and Dept. of Education);
   iii. Entities subject to government regulatory programs for which health information is necessary for determining compliance with program standards (e.g. Occupational Health and Safety Administration and the EPA; the FDS's oversight of food, drugs, biologics, devices, and other products pursuant to the Food, Drug, and Cosmetic Act and the Public Health Service Act); or

iv.   Entities subject to civil rights laws for which health information is necessary for determining compliance (the U.S. Department of Justice's civil rights enforcement activities, enforcement of the Civil Rights of Institutionalized Persons Act, the Americans with Disabilities Act, the EEOC's civil rights enforcement activities under titles I and V of the ADA) (Section 164.512(d)).

"Overseeing the health care system," encompasses activities such as oversight of health care plans, oversight of health benefit plans; oversight of health care providers; oversight of health care and health care delivery; oversight activities that involve resolution of consumer complaints; oversight of pharmaceutical, medical products and devices, and dietary supplements; and a health oversight agency's analysis of trends in health care costs, quality, health care delivery, access to care, and health insurance coverage for health oversight purposes.

Health oversight agencies may provide more than one type of health oversight. Such entities are considered health oversight agencies under the rule for any and all of the health oversight functions that they perform. The disclosure of protected health information to IDPH for these purposes is unaffected by HIPAA and should continue in accordance with past practices.

Finally, local public health departments and local contractors, which are covered entities, may release protected health information to IDPH under the above-cited legal authority applicable to all covered entities. For example, certain statutes and rules require local public health departments and local contractors to disclose protected health information to IDPH. Further, as a health oversight agency a local health department is permitted, and in most cases required, to disclose protected health information to IDPH. Disclosures of PHI by local public health departments and local contractors to IDPH do not require business associate agreements and are not prohibited or otherwise affected by HIPAA.

Acknowledgements

Thank you to the members of the Trauma System Advisory Council Data Management Sub-committee, and all the members of the Trauma System Advisory Council and Iowa's Trauma Nurse Coordinators for their continued input into the trauma registry data dictionary.

Software

The Iowa Department of Public Health is required by law to seek bids from software vendors. For those seeking further information on application and contracting opportunities, please contact the Iowa Department of Administrative Services, General Services Enterprise, http://das.gse.iowa.gov/.

Demographic Information

ImageTrend Registry Number

Definition: Auto-generated unique incident number.

Field Values

- Relevant value for data element (alpha or numeric)

Additional Information

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: NA

ImageTrend Data Element Tag: TR5.12

Account Number

Definition: Account number used by facility.

Field Values

- Relevant value for data element (alpha or numeric)

Additional Information

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: NA

ImageTrend Data Element Tag: TR1.27

Medical Record Number

Definition: Medical record number of patient at this trauma care facility.

Field Values

- Relevant value for data element (alpha or numeric)

Additional Information

Inclusion Entity	Required Data Element	Validated Field
State	No	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: -1

ImageTrend Data Element Tag: TR1.2

Injury Date

Definition: The date the injury occurred.

Field Values:
- Format in Month/Day/Year

Additional Information:
- Estimates of date of injury should be based upon report by patient, witness, family, or healthcare provider. Other proxy measures (e.g., 911 call times) should not be used.
- Data sources for element could include: EMS Run Report, Triage/Trauma Flow Sheet, History & Physical, or Face Sheet.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: -3

ImageTrend Data Element Tag: TR5.1

Comments: The equivalent NTDB field is called Injury Incident Date.

Injury Time

Definition: Time injury was sustained by trauma patient (or nearest estimate).

Field Values: Military time, examples: 0900 or 1300

Additional Information:
- Estimates of time of injury should be based upon report by patient, witness, family, or health care provider. Other proxy measures (e.g., 911 call times) should not be used.
- Data sources for element could include: EMS Run Report, Triage/Trauma Flow Sheet, History & Physical, or Face Sheet.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: -2

ImageTrend Data Element Tag: TR5.18

Comments: The equivalent NTDB field is called Injury Incident Time.

Last Name

Definition: The patient's last name.

Field Values: Open text box

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: -3

ImageTrend Data Element Tag: TR1.9

Patient's First Name

Definition: The patient's first name.

Field Values: Open text box

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: -3

ImageTrend Data Element Tag: TR1.8

Middle Initial

Definition: The patient's middle initial.

Field Values: Open text box

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: NA

ImageTrend Data Element Tag: TR1.10

Date of Birth

Definition: The date of the patient's birth. This date is used to auto calculate the patient's age at the time of injury (best approximation).

Field Values: Enter Month / Day / Year, example 12 / 25 / 1903.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: -4

ImageTrend Data Element Tag: TR1.7

Age (at date of incident)

Definition: The patient's age at the time of the injury (best approximation).

Field Values: The field will allow values from 0 to 120.

Additional Information:

- This information will auto calculate if the patient's date of birth is entered and the patient is over one year in age.
- Manually enter the patient's age at the time of injury (best approximation) only if the patient's date of birth is not available.
- For patients less than one year of age, the Age (at date of incident) must be manually entered. Ensure the "Month, Days, or Hours" label selected coincides with the manually entered age.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: -3

ImageTrend Data Element Tag: TR1.12

Age Units

Definition: The units used to document the patient's age (Years, Months, Days, or Hours).

Field Values: Dropdown menu options: Years, Months, Days, Hours.

Additional Information:

- For patients less than one year of age, the Age (at date of incident) must be manually entered. Ensure the "Month, Days, or Hours" label selected coincides with the manually entered age.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: -3

ImageTrend Data Element Tag: TR1.14

Race

Definition: The patient's race.

Field Values: Multi-select field with the following options:
- Not Known/Not Recorded
- American Indian or Alaska Native
- Asian
- Black or African American
- Hispanic
- Native Hawaiian or Other Pacific Islander
- Other Race
- White

Additional Information:

- Two race fields can be selected.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: -2

ImageTrend Data Element Tag: TR1.16

Ethnicity

Definition: The patient's ethnicity.

Field Values: Single select dropdown menu with the following options:
- Not Known/Not Recorded
- Not Hispanic or Latino
- Hispanic or Latino

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: -1

ImageTrend Data Element Tag: TR1.17

Gender

Definition: The patient's sex. Patients who have undergone a surgical and/or hormonal sex reassignment should be coded using the current assignment.

Field Values:
- Female
- Male
- Not Known/Not Recorded

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: -4

ImageTrend Data Element Tag: TR1.15

Comments: This data element is called Sex in the NTDB document.

Address

Definition: Home street address of the trauma patient.

Field Values: Open text box

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: NA

ImageTrend Data Element Tag: TR1.18

Country

Definition: The patient's country where he/she resides.

Field Values: Dropdown menu of countries is provided.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	No
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: NA

ImageTrend Data Element Tag: TR1.19

Comments: The NTDB document calls this field Patient's Home Country.

Postal Code

Definition: The patient's home ZIP code of primary residence.

Field Values: The field will accept a 5-digit zip code.

Additional Information:

- The patient's home city, county, and state will auto populate when a zip code is entered.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: -4

ImageTrend Data Element Tag: TR1.20

Comments: This data element is called Patient's Home Zip/Postal Code in the NTDB document.

Alternate Residence

Definition: Documentation of the type of patient without a home zip/postal code.

Field Values: Single select dropdown menu with the following options:
- Not Applicable
- Not Known/Not Recorded
- Migrant
- Homeless
- Undocumented Citizen

Additional Information:
The null value "Not Applicable" is used if Patient's Home Zip/Postal Code is reported.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Demographics
Trauma Incident Form ICD-10	Demographics
Trauma + TQIP ICD-10	Demographics

State Validation Score: -1

ImageTrend Data Element Tag: TR1.13

Comments: This data element is called Alternate Home Residence in the NTDB document.

Injury Information

Injury Location-ICD 10

Definition: Place of occurrence external cause code used to describe the place/site/location of the injury event.

Field Values: Relevant ICD-10-CM code values for injury event.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: -1

ImageTrend Data Element Tag: TR200.5

Place of Injury

Definition: Address of where injury took place if available.

Field Values: Open text box.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: NA

ImageTrend Data Element Tag: TR5.17

Injury Location-Postal Code

Definition: The ZIP code of the incident location (best approximation).

Field Values: The field will accept a 5-digit zip code.

Additional Information:

- The city, county, and state associated with the place of injury will auto populate when a zip code is entered.
- If "Not Known/Not Recorded," complete variables: Incident Country, Incident State (US ONLY), Incident County (US ONLY) and Incident City (US ONLY). (NTDB 2017)

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: -3

ImageTrend Data Element Tag: TR5.6

Injury Location-Country

Definition: The country where the incident took place.

Field Values: Dropdown menu of countries is provided.

Additional Information:
If Incident Country is not US, then the null value "Not Applicable" is used for: Incident State, Incident County, and Incident City. (NTDB 2017)

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: NA

ImageTrend Data Element Tag: TR5.11

Comments: This data element is called Incident Country in the NTDB document.

Injury Description

Definition: The description of how the injury occurred. NOTE: This is not a description of the injury.

Field Values: Open text box for entering data with a maximum limit of 762 characters.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: NA

ImageTrend Data Element Tag: TR20.12

Cause of Injury-ICD 10

Definition: External cause code used to describe the mechanism (or external factor) that caused the injury event.

Field Values: Relevant ICD-10-CM code value for injury event.

Additional Information:
- The primary external cause code should describe the main reason a patient is admitted to the hospital.
- ICD-10-CM codes are accepted for this data element. Activity codes should not be reported in this field.
- More than one external cause code can be entered. Ensure the primary cause of injury is listed first.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: -3

ImageTrend Data Element Tag: TR200.3

Intentionality

Definition: Indicates if the cause of injury was intentional or unintentional.

Field Values: Dropdown menu with the following options:
- Unintentional
- Self-inflicted
- Assault
- Undetermined
- Other

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: -1

ImageTrend Data Element Tag: TR20.11

Comments: This field is calculated for NTDB with the values entered for ICD-10 Primary External Cause.

Trauma Type

Definition: This indicates the type of trauma the injury caused.

Field Values: Dropdown menu with the following options:
- Blunt
- Penetrating
- Burn
- Other

Additional Information:

- Either Blunt or Penetrating must be selected for the Probability of Survival to calculate.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: -1

ImageTrend Data Element Tag: TR5.13

Comments: This field is calculated for NTDB with the values entered for ICD-10 Primary External Cause.

Vehicle Position

Definition: Identify the location/position related to the vehicle the trauma patient was in before the incident occurred.

Field Values: Dropdown menu with the following options:
- Not Known/Not Recorded
- ATV Driver
- ATV Passenger
- Bus Occupant
- Driver
- Moped Driver
- Moped Passenger
- Motorcycle Driver
- Motorcycle Passenger
- Other Specified
- Passenger
- Pedal Cyclist
- Pedestrian
- Ride Animal
- Street Car Occupant
- Truck Bed Passenger

Additional Information:

- If Other Specified is selected, an open text box appears to enter the patient's location prior to the incident occurring.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: NA

ImageTrend Data Element Tag: TR5.14

Airbag Present

Definition: Indicate if an airbag was in use by the patient at the time of the injury.

Field Values: Dropdown menu with the following options:
- Not applicable
- Not Known/Not Recorded
- Yes
- No

Additional Information:

- If yes is selected for Airbag Present, report "Yes", "No", or "Not known/Not Recorded" for the following data elements:
    - Airbag Deployed
    - Airbag Deployed Side
    - Airbag Deployed Front
    - Airbag Deployed Other

Inclusion Entity	Required Data Element	Validated Field
State	Yes	No
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: NA

ImageTrend Data Element Tag: TR29.3

Comments: The NTDB data element is a bit different, and is called Airbag Deployment. Another data element, called Protective Devices, determines whether or not an airbag is present, and the Airbag Deployment field is filled with the same values from the Additional Information section above.

Child Restraint

Definition: Indicates if a child restraint was in use or worn by the patient at the time of the injury.

Field Values: Dropdown menu with the following options:
- Not applicable
- Not Known/Not Recorded
- Yes
- No

Additional Information:

- If yes is selected for Child Restraint, report "Yes", "No", or "Not known/Not Recorded" for the following data elements:
    - Infant Car Seat
    - Child Care Seat
    - Child Booster Seat

Inclusion Entity	Required Data Element	Validated Field
State	Yes	No
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: NA

ImageTrend Data Element Tag: TR29.13

Comments: The NTDB data element is a bit different, and is called Child Specific Restraint. Another data element, called Protective Devices, determines whether or not a child restraint is present, and the Child Specific Restraint field is filled with the same values from the Additional Information section above.

Lap Belt

Definition: A Lap Belt was in use or worn by the patient at the time of the injury.

Field Values: Dropdown menu with the following options:
- Not applicable
- Not Known/Not Recorded
- Yes
- No

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	No
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: NA

ImageTrend Data Element Tag: TR29.11

Comments: The NTDB field for this data element is called Protective Devices, and Lap Belt is just one of the 11 potential values (multiple values can be selected).

Shoulder Belt

Definition: A Shoulder Belt was in use or worn by the patient at the time of the injury.

Field Values: Dropdown menu with the following options:
- Not applicable
- Not Known/Not Recorded
- Yes
- No

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	No
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: NA

ImageTrend Data Element Tag: TR29.14

Comments: The NTDB field for this data element is called Protective Devices, and Shoulder Belt is just one of the 11 potential values (multiple values can be selected).

Personal Flotation

Definition: A Personal Floatation Device was in use or worn by the patient at the time of the injury.

Field Values: Dropdown menu with the following options:
- Not applicable
- Not Known/Not Recorded
- Yes
- No

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	No
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: NA

ImageTrend Data Element Tag: TR29.8

Comments: The NTDB field for this data element is called Protective Devices, and Personal Floatation is just one of the 11 potential values (multiple values can be selected).

Eye Protection

Definition: Eye Protection was in use or worn by the patient at the time of the injury.

Field Values: Dropdown menu with the following options:
- Not applicable
- Not Known/Not Recorded
- Yes
- No

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	No
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: NA

ImageTrend Data Element Tag: TR29.6

Comments: The NTDB field for this data element is called Protective Devices, and Eye Protection is just one of the 11 potential values (multiple values can be selected).

Helmet

Definition: A Helmet in use or worn by the patient at the time of the injury.

Field Values: Dropdown menu with the following options:
- Not applicable
- Not Known/Not Recorded
- Yes
- No

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	No
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: NA

ImageTrend Data Element Tag: TR29.2

Comments: The NTDB field for this data element is called Protective Devices, and Helmet is just one of the 11 potential values (multiple values can be selected).

Protective Clothing

Definition: Protective Clothing was in use or worn by the patient at the time of the injury.

Field Values: Dropdown menu with the following options:
- Not applicable
- Not Known/Not Recorded
- Yes
- No

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	No
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: NA

ImageTrend Data Element Tag: TR29.7

Comments: The NTDB field for this data element is called Protective Devices, and Protective Clothing is just one of the 11 potential values (multiple values can be selected).

Protective Non-Clothing Gear

Definition: Protective Non-Clothing Gear was in use or worn by the patient at the time of the injury.

Field Values: Dropdown menu with the following options:
- Not applicable
- Not Known/Not Recorded
- Yes
- No

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	No
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: NA

ImageTrend Data Element Tag: TR29.12

Comments: The NTDB field for this data element is called Protective Devices, and Protective Non-Clothing is just one of the 11 potential values (multiple values can be selected).

Safety Equipment-Other

Definition: Other protective equipment was in use or worn by the patient at the time of the injury.

Field Values: Dropdown menu with the following options:
- Not applicable
- Not Known/Not Recorded
- Yes
- No

Additional Information:

- If "yes" is selected, a "Safety Equipment Description" text box appears to enter a description of the safety equipment that was utilized.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	No
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Injury
Trauma Incident Form ICD-10	Injury
Trauma + TQIP ICD-10	Injury

State Validation Score: NA

ImageTrend Data Element Tag: TR29.9

Comments: The NTDB field for this data element is called Protective Devices, and Other is just one of the 11 potential values (multiple values can be selected).

Pre-Hospital Information

Patient Arrived From

Definition: Location the patient arrived from.

Field Values: Dropdown menu with the following options:
- Not Known/Not Recorded
- Clinic/MD Office
- Home
- Jail
- Nursing Home
- Referring Hospital
- Scene
- Supervised Living
- Urgent Care

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: -1

ImageTrend Data Element Tag: TR16.22

Transported To Your Facility By (Transport Mode)

Definition: The mode of transport delivering the patient to your hospital.

Field Values: Dropdown menu with the following options:
- Not Known/Not Recorded
- ALS Ground
- ALS Helicopter
- BLS Ground
- Fixed-wing Ambulance
- Other
- Police
- Private/Public Vehicle/Walk-in

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: -3

ImageTrend Data Element Tag: TR8.8

Comments: The NTDB data element is called Transport Mode.

EMS Triage Information-Vehicular, Pedestrian, Other Risk Injury

Definition: EMS trauma triage mechanism of injury criteria for transport to a trauma center as defined by the Centers for Disease Control and Prevention and the American College of Surgeons-Committee on Trauma.

Field Values: Multi-select menu with the following options:
- Auto v. pedestrian/bicyclist thrown, run over, or >20 mph impact
- Burns
- Burns with Trauma
- Crash death in same passenger compartment
- Crash ejection (partial or complete, from automobile
- Crash intrusion, including roof: > 12 inches occupant site; > 18 inches any site
- Crash vehicle telemetry data (AACN) consistent with high risk injury
- EMS provider judgement
- Fall adults: > 20ft. (one story is equal to 10 feet)
- Fall children: > 10 ft. or 2-3 times the height of the child
- For adults >65; SBP <110
- Motorcycle crash > 20 mph
- Patients on anticoagulants and bleeding disorders
- Pregnancy > 20 weeks
- Not Applicable
- Not Known/Not Recorded

Additional Information:
- The null value "Not Applicable" should be used to indicate that the patient did not arrive by EMS.
- The null value "Not Applicable" should be used if EMS Run Report indicates patient did not meet any Vehicular, Pedestrian, Other Risk Injury criteria.
- The null value "Not Known/Not Recorded" should be used if this information is not indicated, as an identical response choice, on the EMS Run Report or if the EMS Run Report is not available.
- Check all that apply.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	No
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: NA

ImageTrend Data Element Tag: TR17.47

Trauma Center Criteria

Definition: Physiological and anatomic EMS trauma triage criteria for transport to a trauma center as defined by the Centers for Disease Control and Prevention and the American College of Surgeons-Committee on Trauma.

Field Values: Multi-select menu with the following options:
- All penetrating injuries to head, neck, torso, and extremities proximal to elbow or knee
- Amputation proximal to wrist or ankle
- Chest wall instability or deformity (e.g., flail chest)
- Crushed, degloved, mangled, or pulseless extremity
- Glasgow Coma Score <=13
- Open or depressed skull fracture
- Paralysis
- Pelvic fracture
- Respiratory rate 29 breaths per minute (< 20 in infants aged < 1 year) or need for ventilation support
- Systolic blood pressure < 90mmHg
- Two or more proximal long-bone fractures
- Not applicable
- Not Know/Not Recorded

Additional Information:
- The null value "Not Applicable" should be used to indicate that the patient did not arrive by EMS.
- The null value "Not Applicable" should be used if EMS Run Report indicates patient did not meet any Trauma Center Criteria.
- The null value "Not Known/Not Recorded" should be used if this information is not indicated, as an identical response choice, on the EMS Run Report or if the EMS Run Report is not available.
- Check all that apply.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	No
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: NA

ImageTrend Data Element Tag: TR17.22

EMS Run Number

Definition: The number identified on the EMS run report specific to the trauma patient.

Field Values: Open text field

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: NA

ImageTrend Data Element Tag: TR7.1

EMS PCR Number

Definition: EMS Patient Care Report (PCR) Number specific to the trauma patient. This is the auto generated ImageTrend Number within in the EMS data registry specific to the trauma patient.

Field Values: Open text field

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: NA

ImageTrend Data Element Tag: TR9.11

EMS Service

Definition: The name of the EMS service that transferred the patient.

Field Values: Identify the EMS transporting service from the dropdown options.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: NA

ImageTrend Data Element Tag: TR7.3

EMS Unit Notified/Dispatched Date

Definition: The date the unit transporting the patient to the hospital was notified by dispatch.

Field Values: Enter date using calendar option or by entering the month/day/year.

Additional Information:

- For patients transported from the scene of injury to your hospital, this is the date on which the unit transporting the patient to your facility from the scene was dispatched.
- For inter-facility transfer patients, this is the data on which the unit transporting the patient to your facility from the transferring facility was notified by dispatch or assigned to this transport.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: 0

ImageTrend Data Element Tag: TR9.1

EMS Unit Notified/Dispatched Time

Definition: The time the unit transporting to your hospital was notified by dispatch.

Field Values: Military time, examples: 0900 or 1300

Additional Information:

- For patients transported from the scene of injury to your hospital, this is the time at which the unit transporting the patient to your facility from the scene was dispatched.
- For inter-facility transfer patients, this is the time at which the unit transporting the patient to your facility from the transferring facility was notified by dispatch.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: 0

ImageTrend Data Element Tag: TR9.10

EMS Unit Arrived at Scene (or Transferring Facility)

Definition: The time the unit transporting to the hospital arrived on the scene (the time the vehicle stopped moving).

Field Values: Military time, examples: 0900 or 1300

Additional Information:

- For patients transported from the scene of injury to your hospital, this is the time at which the unit transporting the patient to your facility from the scene arrived at the scene (arrival is defined at date/time when the vehicle stopped moving).
- For inter-facility transfer patients, this is the time at which the unit transporting the patient to your facility from the transferring facility arrived at the transferring facility (arrival is defined at date/time when the vehicle stopped moving).

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: 0

ImageTrend Data Element Tag: TR9.2

Time EMS Unit Left/Departed Scene or Transferring Facility

Definition: The time the EMS unit transporting to the hospital left the scene or transferring facility.

Field Values: Military time, examples: 0900 or 1300

Additional Information:

- For patients transported from the scene of injury to your hospital, this is the time at which the unit transporting the patient to your facility from the scene departed from the scene (departure is defined at date/time when the vehicle started moving).
- For inter-facility transfer patients, this is the time at which the unit transporting the patient to your facility from the transferring facility departed from the transferring facility (departure is defined at date/time when the vehicle started moving).

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: 0

ImageTrend Data Element Tag: TR9.3

EMS Unit Arrived at Hospital

Definition: The time the unit transporting to the hospital arrived to the hospital (the time the vehicle stopped moving).

Field Values: Military time, examples: 0900 or 1300

Additional Information:

- For patients transported from the scene of injury to your hospital, this is the time at which the unit transporting the patient arrived to your facility (arrival is defined at date/time when the vehicle stopped moving).
- For inter-facility transfer patients, this is the time at which the unit transporting the patient to your facility arrived (arrival is defined at date/time when the vehicle stopped moving).

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: 0

ImageTrend Data Element Tag: TR9.4

Triage Destination Protocol

Definition: Indicates whether the out of hospital triage destination protocol was used to determine patient needed resources of this trauma care facility.

Field Values: Drop down menu with the following options:
- Not Applicable
- Not Known/Not Recorded
- Yes
- No

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: NA

ImageTrend Data Element Tag: TR9.13

Triage Criteria

Definition: Indicates criterion (a) used to triage patient Criteria that may be selected are those in the adult out of hospital trauma triage criteria decision protocol of the EMS Bureau of the IDPH. Up to 20 criteria may be chosen (If EMS run sheet unavailable, give best estimate of circumstances of injury).

Field Values: Multi-select field with the following options:

- Suspected Pelvic Fx
- Suspected fractures, 2 or more long bones
- Suspected alcohol/drug intoxication
- Significant intrusion of passenger compartment
- SBP <90
- RR < 10 > 29
- Pregnancy
- Penetration, head/neck/torso/groin/axilla
- Pedestrian/vehicle impact > 20mph
- Pedestrian, thrown, > 15 feet or run over
- Neck or spinal cord injury with extremity paralysis or paresis
- MV-rollover
- MV-extrication
- MV-death in same passenger compartment
- Motorcycle, ATV, Bicycle > 20 mph
- Medical illness, COPD, CHF, Cardiac
- HR > 120
- Hostile environment, heat/cold
- High speed crash
- GCS < 13
- Flail Chest
- Falls > 20ft (Peds = 15 ft)
- EMT "high index of suspicion" of abdominal or thoracic injuries
- EMT "high index of suspicion"
- Ejection from vehicle
- Burns > 10%, or face/airway/hand/feet/genitalia
- Amputation, proximal to wrist or ankle
- Age <5 or > 60
- Not Applicable
- Not Known/Not Recorded

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: NA

ImageTrend Data Element Tag: TR9.14

Pre Hospital Cardiac Arrest

Definition: Indication of whether the person experienced a cardiac arrest at any stage prior to arrival at the definitive care hospital.

Field Values: Drop down menu with the following options:
- No
- Yes
- Not Known/Not Recorded

Additional Information:

- A patient who experienced a sudden cessation of cardiac activity. The patient was unresponsive with no normal breathing and no signs of circulation.
- The event must have occurred outside of the reporting hospital, prior to admission at the reporting hospital. Pre-hospital cardiac arrest could occur at a transferring institution.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: 0

ImageTrend Data Element Tag: TR 15.53

Airway Management

Definition: Airway management initiated in the pre-hospital setting.

Field Values: Drop down menu with the following options:
- Not Applicable
- Not Known/Not Recorded
- Airway cleared
- Alternative Airway Device
- Bag & Mask
- Combitube
- CPAP
- Crico
- EOA
- King LT
- LMA
- Nasal Cannula
- Nasal ETT
- Nasal Trumpet
- Non-Rebreather Mask
- Oral Airway
- Oral ETT
- Supplemental Oxygen
- Trach

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: NA

ImageTrend Data Element Tag: TR15.40

Destination Determination

Definition: Rationale for selection of EMS unit hospital destination.

Field Values: Drop down menu with the following options:
- Not known/Not Recorded
- Not transported (tiered response)
- Closest Facility
- Diversion
- Hospital of Choice (Patient)
- On-line Medical Direction
- Other
- Specialty Resource Center

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: NA

ImageTrend Data Element Tag: TR15.32

EMS Report Status

Definition: EMS Report Status

Field Values: Drop down menu with the following options:
- Complete
- Incomplete
- Missing
- Not Known/Not Recorded

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: NA

ImageTrend Data Element Tag: TR15.38

EMS Vitals Date

Definition: Date the first set of EMS vitals were taken.

Field Values: Enter the month/day/year.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: NA

ImageTrend Data Element Tag: TR18.106

EMS Vitals Time

Definition: Time the first set of EMS vitals were taken.

Field Values: Military time, examples: 0900 or 1300

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: NA

ImageTrend Data Element Tag: TR18.106.1

EMS Glasgow Eye

Definition: First recorded Glasgow Coma Score (Eye) measured at the scene of injury.

Field Values: Drop down menu with the following options:
- 1 No eye movement when assessed
- 2 Opens eyes in response to painful stimulation
- 3 Opens eyes in response to verbal stimulation
- 4 Opens eyes spontaneously
- Not Known/Not Recorded

Additional Information:

- Used to calculate Overall EMS GCS score.
- The null value "Not Known/Not Recorded" is used if the patient is transferred to your facility with no EMS Run Report from the scene of injury.
- If a patient does not have a numeric GCS score recorded, but written documentation closely (or directly) relates to verbiage describing a specific level of functioning within the GCS scale, the appropriate numeric score may be listed. E.g. the chart indicates: "patient's pupils are PERRL," an Eye GCS of 4 may be recorded, IF there is no other contradicting documentation.
- The null value "Not Applicable" is used for patients who arrive by Private/Public Vehicle/Walk-in.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: 0

ImageTrend Data Element Tag: TR18.60

Comments: This data element is called Initial Field GCS – Eye in the NTDB document.

EMS Glasgow Verbal

Definition: First recorded Glasgow Come Score (Verbal) measured at the scene of injury.

Field Values:

Pediatric Values (≤ 2 years)

- Not Applicable
- Not Known/Not Recorded
- 1 No vocal response
- 2 Inconsolable, agitated
- 3 Inconsistently consolable, moaning
- 4 Cries but is consolable, inappropriate interactions
- 5 Smiles, oriented to sounds, follows objects, interacts

Adult Values

- 1 No verbal response
- 2 Incomprehensible sounds
- 3 Inappropriate words
- 4 Confused
- 5 Oriented
- Not Applicable
- Not Know/Not Recorded

Additional Information:

- Used to calculate Overall EMS GCS Score.
- If patient is intubated then the GCS Verbal score is equal to 1.
- If a patient does not have a numeric GCS score recorded, but written documentation closely (or directly) relates to verbiage describing a specific level of functioning within the GCS scale, the appropriate numeric score may be listed. E.g. the chart indicates: "patient is oriented to person place and time," a Verbal GCS of 5 may be recorded, IF there is no other contradicting documentation.
- The null value "Not Applicable" is used for patients who arrive by Private/Public Vehicle/Walk-in.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: 0

ImageTrend Data Element Tag: TR18.61.0 (peds) & TR18.61.2 (adult)

Comments: This data element is called Initial Field GCS – Verbal in the NTDB document.

EMS Glasgow Motor

Definition: The first recorded Glasgow Coma Score (Motor) measured at the scene of injury.

Field Values:
Pediatric (≤ 2 years):
- Not Known/Not Recorded
- Not Applicable
- 1 No motor response
- 2 Extension to pain
- 3 Flexion to pain
- 4 Withdrawal from pain
- 5 Localizing pain
- 6 Appropriate response to stimulation

Adult
- Not Known/Not Recorded
- Not Applicable
- 1 No motor response
- 2 Extension to pain
- 3 Flexion to pain
- 4 Withdrawal from pain
- 5 Localizing pain
- 6 Obeys commands

Additional Information:
- Used to calculate Overall EMS GCS Score.
- The null value "Not Known/Not Recorded" is used if the patient is transferred to your facility with no EMS Run Report from the scene of injury.
- If a patient does not have a numeric GCS score recorded, but written documentation closely (or directly) relates to verbiage describing a specific level of functioning within the GCS scale, the appropriate numeric score may be listed. E.g. the chart indicates: "patient withdraws from a painful stimulus," a Motor GCS of 4 may be recorded, IF there is no other contradicting documentation.
- The null value "Not Applicable" is used for patients who arrive by Private/Public Vehicle/Walk-in.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Pre-hospital

NTDB	Yes	Yes		Trauma Incident Form ICD-10	Pre-hospital
TQIP	Yes	Yes		Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: 0

ImageTrend Data Element Tag: TR18.62.0 (peds) and TR18.62.2 (adult)

Comments: This data element is called Initial Field GCS – Motor in the NTDB document.

EMS GCS Qualifier

Definition: Documentation of factors potentially affecting the first assessment of GCS by EMS. Up to three field values may be selected.

Field Values: Multi-select box with the following options:
- Patient Chemically Sedated or Paralyzed
- Patient Intubated
- Obstruction to the Patient's Eye
- Valid GCS: Patient was not sedated, not intubated, and did not have obstruction to the eye
- Not Known/Not Recorded

Additional Information:

- Identifies treatments given to the patient that may affect the first assessment of GCS. This field does not apply to self-medications the patient may administer (i.e., ETOH, prescriptions, etc.).
- If an intubated patient has recently received an agent that results in neuromuscular blockade such that a motor or eye response is not possible, then the patient should be considered to have an exam that is not reflective of their neurologic status and the chemical sedation modifier should be selected.
- Please note that first EMS vitals do not need to be from the same assessment.
- Check all that apply.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: NA

ImageTrend Data Element Tag: TR18.63

EMS Temperature

Definition: First recorded temperature (in degrees Celsius or degrees Fahrenheit) by EMS.

Field Values: Relevant value for data element

Additional Information: Please note the first recorded vitals to not need to be from the same assessment.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: NA

ImageTrend Data Element Tag: TR18.66

EMS Systolic Blood Pressure

Definition: First recorded systolic blood pressure measured at the scene of injury.

Field Values: Relevant value for data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: 0

ImageTrend Data Element Tag: TR18.67

Comments: This data element is called Initial Field Systolic Blood Pressure in the NTDB document.

EMS Diastolic Blood Pressure

Definition: First recorded diastolic blood pressure measured at the scene of injury.

Field Values: Relevant value for data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: NA

ImageTrend Data Element Tag: TR18.68

EMS Pulse Rate

Definition: First recorded pulse measured at the scene of injury (palpated or auscultated), expressed as a number per minute.

Field Values: Relevant value for data element

Additional Information:

- Measurement recorded must be without the assistance of CPR or any type of mechanical chest compression device. For those patients who are receiving CPR or any type of mechanical chest compressions, report the value obtained while compressions are paused.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: 0

ImageTrend Data Element Tag: TR18.69

EMS Respiratory Rate

Definition: First recorded respiratory rate measured at the scene of injury (expressed as a number per minute).

Field Values: Relevant value for data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: 0

ImageTrend Data Element Tag: TR18.70

Comments: This data element is called Initial Field Respiratory Rate in the NTDB document.

EMS Oxygen Saturation

Definition: First recorded oxygen saturation measured at the scene of injury (expressed as a percentage).

Field Values: Relevant value for data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: 0

ImageTrend Data Element Tag: TR 18.82

Comments: This data element is called Initial Field Oxygen Saturation in the NTDB document.

Respiratory Assistance

Definition: Identify if respiratory rate was assisted.

Field Values: Drop down menu with the following options:
- Unassisted Respiratory Rate
- Assisted Respiratory Rate
- Not Known/Not Recorded
- Not Applicable

Additional Information:

The null value "Not Applicable" is used if "Initial ED/Hospital Respiratory Rate is "Not Known/Not Recorded." (NTDB 2017)

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: NA

ImageTrend Data Element Tag: TR18.80

EMS GCS Total Calc

Definition: This number is the total GSC score compiled from the GCS Eye, GCS Verbal, and GSC Motor scores.

Field Values: The GSC calculated score auto populates when GCS eye, verbal, and motor scores are entered. Users may manually enter a GCS score, but this is not recommended.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: 0

ImageTrend Data Element Tag: TR18.65

Comments: This data element is called Initial Field GCS – Total in the NTDB document.

EMS Revised Trauma Score

Definition: This number is the revised trauma score/pediatric trauma score comprised from the Glasgow Coma Scale, Systolic blood pressure, and respiratory rate.

Field Values: The revised trauma score/pediatric trauma score auto populates when the GCS is calculated and systolic blood pressure and respiratory rate are entered. Users may manually enter a GCS score, but this is not recommended.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Pre-hospital
Trauma Incident Form ICD-10	Pre-hospital
Trauma + TQIP ICD-10	Pre-hospital

State Validation Score: NA

ImageTrend Data Element Tag: TR18.136

Referring Hospital Data

Transported to Referring Facility By

Definition: Method in which trauma patient was transported and arrived at referring facility.

Field Values: Drop down menu with the following options:
- Not Known/Not Recorded
- ALS Ground EMS
- ALS/Helicopter
- BLS Ground EMS
- Fixed-wing Ambulance
- Other
- Police
- Private/Public Vehicle/Walk-in

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.48

Referring Hospital

Definition: The name of the referring hospital that transferred the patient.

Field Values: Identify the referring hospital from the dropdown options.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.1

Referring Hospital Arrival Date/Time

Definition: Indicate the date/time the patient arrived at the outside facility.

Field Values: Relevant value for data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.2 (Date), TR33.3 (Time)

Referring Hospital Discharge Date/Time

Definition: Indicate the date/time the patient left the outside facility.

Field Values: Relevant value for data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.30

Referring Hospital Vitals Date/Time

Definition: Date/time the first set of vitals taken by the referring hospital. Please note that the referring hospital vitals do not need to be from the same assessment.

Field Values: Relevant value for data element

Additional Information:

- Please note that the referring hospital vitals do not need to be from the same assessment.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.54

Referring Hospital Temperature

Definition: First recorded temperature (in degrees Celsius or Fahrenheit) at the referring hospital. The first recorded vitals do not need to be from the same assessment.

Field Values: Relevant value for data element

Additional Information:

- The first recorded vitals do not need to be from the same assessment.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.7

Referring Hospital Systolic Blood Pressure

Definition: First recorded systolic blood pressure at the referring hospital.

Field Values: Relevant value for data element

Additional Information:

- Please note that first recorded/hospital vitals do not need to be from the same assessment.
- Measurement recorded must be without the assistance of CPR or any type of mechanical chest compression device. For those patients who are receiving CPR or any type of mechanical chest compressions, report the value obtained while compressions are paused.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.5

Referring Hospital Diastolic Blood Pressure

Definition: First recorded systolic blood pressure measured at the scene of injury.

Field Values: Relevant value for data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.40

Referring Hospital Pulse Rate

Definition: First recorded pulse in the referring hospital (palpated or auscultated). Pulse rate is expressed as a number per minute.

Field Values: Relevant value for data element

Additional Information:

- Please note that first recorded/hospital vitals do not need to be from the same assessment.
- Measurement recorded must be without the assistance of CPR or any type of mechanical chest compression device. For those patients who are receiving CPR or any type of mechanical chest compressions, report the value obtained while compressions are paused.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.6

Referring Hospital Respiratory Rate

Definition: First recorded respiratory rate measured at the referring hospital (expressed as a number per minute).

Field Values: Relevant values for data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.8

Referring Hospital Respiratory Assistance

Definition: Determination of respiratory assistance associated with the referring hospital respiratory rate.

Field Values: Drop down menu with the following options:
- Not Known/Not Recorded
- Assisted Respiratory Rate
- Unassisted Respiratory Rate

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.9

Referring Hospital Oxygen Saturation

Definition: First recorded oxygen saturation in the referring hospital (expressed as a percentage).

Field Values: Relevant value for data element

Additional Information:

- If available, complete additional field: Initial ED/Hospital Supplemental Oxygen.
- Please note that first recorded/hospital vitals do not need to be from the same assessment.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.11

Referring Hospital Supplemental Oxygen

Definition: Determination of the presence of supplemental oxygen during assessment of initial referring hospital oxygen saturation level.

Field Values: Drop down menu with the following options:

- Not Known/Not Recorded
- No
- Yes

Additional Information:

- Only completed if a value is provided for Initial ED/Hospital Oxygen Saturation, otherwise report as "Not Applicable".
- Please note that first recorded/hospital vitals do not need to be from the same assessment.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.10

Referring Hospital Glasgow-Eye

Definition: First recorded Glasgow Coma Score (Eye) measured at the referring hospital.

Field Values: Drop down menu with the following options:
- Not Known/Not Recorded
- 1 No eye movement when assessed
- 2 Opens eyes in response to painful stimulation
- 3 Opens eyes in response to verbal stimulation
- 4 Opens eyes spontaneously

Additional Information:
- Used to calculate Overall GCS - ED Score.
- If a patient does not have a numeric GCS score recorded, but written documentation closely (or directly) relates to verbiage describing a specific level of functioning within the GCS scale, the appropriate numeric score may be listed. E.g. the chart indicates: "patient withdraws from a painful stimulus," a Motor GCS of 4 may be recorded, IF there is no other contradicting documentation.
- Please note that first recorded/hospital vitals do not need to be from the same assessment.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.12

Referring Hospital Glasgow-Verbal

Definition: First Recorded Glasgow Coma Score (Verbal) measured at the referring hospital.

Field Values:

Pediatric Values (≤ 2 years)

- Not Applicable
- Not Known/Not Recorded
- 1 No vocal response
- 2 Inconsolable, agitated
- 3 Inconsistently consolable, moaning
- 4 Cries but is consolable, inappropriate interactions
- 5 Smiles, oriented to sounds, follows objects, interacts

Adult Values

- Not Applicable
- Not Know/Not Recorded
- 1 No verbal response
- 2 Incomprehensible sounds
- 3 Inappropriate words
- 4 Confused
- 5 Oriented

Additional Information:

- Used to calculate Overall Referring hospital GCS Score.
- If patient is intubated then the GCS Verbal score is equal to 1.
- If a patient does not have a numeric GCS score recorded, but written documentation closely (or directly) relates to verbiage describing a specific level of functioning within the GCS scale, the appropriate numeric score may be listed. E.g. the chart indicates: "patient withdraws from a painful stimulus," a Motor GCS of 4 may be recorded, IF there is no other contradicting documentation.
- The null value "Not Applicable" is used for patients who arrive by Private/Public Vehicle/Walk-in.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.13.2 (adult) and TR33.13.0 (peds)

Referring Hospital Glasgow-Motor

Definition: First Recorded Glasgow Coma Score (Motor) measured at the referring hospital.

Field Values:

Pediatric (≤ 2 years):

- Not Known/Not Recorded
- 1 No motor response
- 2 Extension to pain
- 3 Flexion to pain
- 4 Withdrawal from pain
- 5 Localizing pain
- 6 Appropriate response to stimulation

Adult

- Not Known/Not Recorded
- 1 No motor response
- 2 Extension to pain
- 3 Flexion to pain
- 4 Withdrawal from pain
- 5 Localizing pain
- 6 Obeys commands

Additional Information:

- Used to calculate Overall Referring hospital GCS Score.
- If a patient does not have a numeric GCS score recorded, but written documentation closely (or directly) relates to verbiage describing a specific level of functioning within the GCS scale, the appropriate numeric score may be listed. E.g. the chart indicates: "patient withdraws from a painful stimulus," a Motor GCS of 4 may be recorded, IF there is no other contradicting documentation.
- The null value "Not Applicable" is used for patients who arrive by Private/Public Vehicle/Walk-in.

Inclusion Entity	Required Data Element	Validated Field		Form	Location of Data Element
State	No	No		Short Form ICD-10	NA
NTDB	No	No		Trauma Incident Form ICD-10	Referring
TQIP	No	No		Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.14.2 (adult) and TR33.14.0 (peds)

Referring Hospital Glasgow-Qualifier

Definition: Documentation of factors potentially affecting the first assessment of GCS by the referring hospital. Up to three field values may be selected.

Field Values: Multi-select box with the following options:
- Not Known/Not Recorded
- Obstruction to the Patient's Eye
- Patient Chemically Sedated or Paralyzed
- Patient Intubated
- Valid GCS: Patient was not sedated, not intubated, and did not have obstruction to the eye

Additional Information:
- Identifies treatments given to the patient that may affect the first assessment of GCS. This field does not apply to self-medications the patient may administer (i.e., ETOH, prescriptions, etc.).
- If an intubated patient has recently received an agent that results in neuromuscular blockade such that a motor or eye response is not possible, then the patient should be considered to have an exam that is not reflective of their neurologic status and the chemical sedation modifier should be selected.
- Please note that first referring hospital vitals do not need to be from the same assessment.
- Check all that apply.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.16

Referring Hospital Glasgow Score-Manual

Definition: This number is the total GSC score compiled from the GCS Eye, GCS Verbal, and GSC Motor scores.

Field Values: Relevant value for data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.15

Referring Hospital CPR Performed

Definition: Identify if CPR was performed at the referring hospital.

Field Values: Drop down menu with the following options:
- Not Known/Not Recorded
- Not performed
- Yes

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.20

Referring Hospital Destination Determination to Definitive Care

Definition: Identify determinants for selecting the definitive care hospital for the trauma patient.

Field Values: Drop down menu with the following options:
- Not Known/Not Recorded
- Hospital of Choice
- Specialty Resource Center
- Physician/Services Available

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.29

Transferring Service Report Available at Referring Hospital

Definition: Indicates whether transferring trauma care facility service report for this run is available at this facility.

Field Values: Dropdown menu with the following options:
- Not Known/Not Recorded
- Received, complete, legible, in a timely fashion (< 24 hours)
- Received, complete legible, not in a timely fashion
- Received, illegible
- Received, incomplete, (all or missing)
- Not received

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Referring
Trauma + TQIP ICD-10	Referring

State Validation Score: NA

ImageTrend Data Element Tag: TR33.66

Emergency Department/Acute Care and Initial Assessment

Direct Admit To Hospital

Definition: Was the patient admitted to hospital directly?

Field Values: Dropdown menu with the following options:
- No
- Yes

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: NA

ImageTrend Data Element Tag: TR17.30

Date/Time Arrived in ED/Acute Care

Definition: The date and time the patient arrived in the emergency department.

Field Values: Relevant value for data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -4

ImageTrend Data Element Tag: TR 18.55

Comments: There are 2 fields; 1 for Date and 1 for Time.

Trauma Team Activation

Definition: Level of trauma team activation called as part of the trauma service response of this trauma care facility emergency department for this trauma patient.

Field Values: Radio buttons with the following options:
- Full Trauma Activation (Level I)
- Partial Team Activation (Level II)
- Consultation (Consultation by the hospital's trauma service.)
- Not Activated (This is used for trauma patients that meet the trauma registry inclusion criteria but did not have a trauma alert called or require a trauma service consult.)

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -3

ImageTrend Data Element Tag: TR 17.21

Trauma Team Activation Date/Time

Definition: The date and time trauma team was activated.

Field Values: Relevant value for data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -2

ImageTrend Data Element Tag: TR17.31 (Date), TR17.34 (Time)

Comments: The Date and Time fields on the ImageTrend form are separate.

Trauma Team Member

Definition: ED Physician Dropdown menu based on "Staff" identified by the trauma care facility.

Field Values: Dropdown menu based on "Staff" identified by the trauma care facility.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -1

ImageTrend Data Element Tag: TR17.9

Trauma Team Member Service Type

Definition: ED Trauma Physician Service Type

Field Values: Dropdown menu of the following options:

- Not Applicable
- Not Known/Not Recorded
- Anesthesia
- Crisis RN
- CRNA
- Hospitalist
- Pediatric Hospitalist
- Pediatric Intensivist
- Social Work
- Cardiologist
- Dental
- Emergency Medicine
- ENT
- Family Practice
- Internal Medicine
- Interventionalist
- Laboratory
- Maxillofacial Surgery
- Nephrology
- Neurosurgery
- Nurse Practitioner
- Obstetrics & Gynecology
- Ophthalmology
- Orthopedic Surgery
- Pediatric Surgery
- Pediatrician
- Physician Assistant
- Plastic Surgery
- Pulmonology
- Radiology
- Surgery Senior Resident
- Surgery/Trauma
- Trauma Nurse
- Urology
- Vascular Surgery

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -3

ImageTrend Data Element Tag: TR17.13

Trauma Team Member Called-Date

Definition: The date the physician was called.

Field Values: Relevant value for data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -2

ImageTrend Data Element Tag: TR17.10

Trauma Team Member Called-Time

Definition: The time the physician was called.

Field Values: Relevant value for data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -1

ImageTrend Data Element Tag: TR 17.14

Trauma Team Member Arrived-Date

Definition: The date the physician arrived to evaluate the patient.

Field Values: Relevant value for data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -1

ImageTrend Data Element Tag: TR 17.15

Trauma Team Member Arrived-Time

Definition: The time the physician arrived to evaluate the patient.

Field Values: Relevant value for data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -1

ImageTrend Data Element Tag: TR17.11

Timely Arrival of Trauma Team Member

Definition: Was the ED physician arrival timely?

Field Values: Dropdown menu with the following options:
- Not Known/Not Recorded
- Yes
- No

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: NA

ImageTrend Data Element Tag: TR17.12

Decision to Discharge/Transfer Date/Time

Definition: The date and time the order was written for the patient to be discharged from the Emergency Department.

Field Values: Relevant value for data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	~~No~~ Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -2

ImageTrend Data Element Tag: TR17.41 (Date), TR17.42 (Time)

Comments: Note that this data element is the same as the ED Discharge Date element from the NTDB dictionary. The following element in this document, Date/Time Discharged from Emergency Department, is different, despite the similarities of names.

Date/Time Discharged from Emergency Department

Definition: The date and time the patient was discharged from the Emergency Department.

Field Values: Relevant value for data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -6

ImageTrend Data Element Tag: TR17.25 (Date), TR17.26 (Time)

Comments: Each field has a State Validation Score of -10.

ED Disposition

Definition: The disposition of the patient at the time of discharge from the Emergency Department.

Field Values: Dropdown menu with the following options:
- Not Applicable
- Not Known/Not Recorded
- AMA
- Deceased/Expired
- Floor Bed (general admission, non-specialty unit)
- Home with services
- Home without services
- Intensive Care Unit
- Left without being seen/eloped
- Observation unit
- Operating room
- Other (jail, institution, etc.)
- Telemetry/step-down unit (less acuity than ICU)
- Transferred to another hospital

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -3

ImageTrend Data Element Tag: TR17.27

ED Disposition-Death

Definition: If a patient outcome was death, the following data should be entered: Date/time of Death, Death Circumstances, organ donation, autopsy performed, and advanced directives.

Field Values:
- Date and time of death-relevant field information for data element.
- Death Circumstances: Brain death; Brain Injury; Burn Shock; Cardiac Arrest due to strangulation; cardiovascular failure; drowning; electrocution; family D/C life support; heart laceration; liver laceration; medical; multiple organ failure/metabolic; multisystem trauma; other; pre-existing illness; pulmonary failure; renal; sepsis; thoracic aortic transection; trauma shock; trauma wound; treatment withheld; not known/not recorded
- Organ Donation: Yes, no, not known/not recorded
- Autopsy performed: Yes, No, not known/not recorded
- Advanced Directives: Yes, No, not recorded, not known, not applicable.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: NA

ImageTrend Data Element Tag: TR25.36 (date/time), TR25.32 (death circumstances), TR25.29 (organ donation), TR 25.37 (autopsy performed), TR25.28 (advanced directive)

ED Disposition-Transfer-Transfer Delay

Definition: Indicate whether or not there was a delay transferring the patient.

Field Values: Dropdown menu with the following options:
- Not Known/Not Recorded
- Yes
- No

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -2

ImageTrend Data Element Tag: TR17.45

Reason for Transfer Delay

Definition: Indicate the reason for the transfer delay.

Field Values: Dropdown menu with the following options:
- Not Known/Not Recorded
- Other
- EMS issue
- Receiving Hospital Issue
- Referring Hospital Issue-Radiology
- Referring Physician Decision Making
- Weather or Natural Factors

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -2

ImageTrend Data Element Tag: TR17.44

Signs of Life

Definition: Indication of whether patient arrived to ED/Hospital with signs of life. A patient with no signs of life is defined as having none of the following: organized EKC activity, pupillary responses, spontaneous respiratory attempts or movement, and unassisted blood pressure. This usually implies the patient was brought to the ED with CPR in progress.

Field Values: Dropdown menu with the following options:
- Arrived with no signs of life
- Arrived with signs of life

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -1

ImageTrend Data Element Tag: TR27.14

Height

Definition: Height of patient.

Field Values: Enter relevant value for data element in either inches or centimeters.

Additional Information:
- If height is entered in inches, the system will convert the height to centimeters automatically populating both fields.
- If the height is entered in centimeters, the system will convert the height to inches automatically populating both fields.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -1

ImageTrend Data Element Tag: TR1.6.1 (inches) and TR1.6 (cm)

Estimated Body Weight

Definition: The patient's body weight either measured or estimated.

Field Values: Enter relevant value for data element in either pounds or kilograms.

Additional Information:
- If weight is entered in pounds, the system will convert the weight to kilograms automatically populating both fields.
- If the weight is entered in kilograms, the system will convert the weight to pounds automatically populating both fields.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -1

ImageTrend Data Element Tag: TR1.6.5

Body Mass Index (BMI)

Definition: A measure of an adult's weight (body mass) relative to height used to assess the extent of weight deficit or excess on admission to definitive care. Preferred method is actually measurement although reported height is accepted.

Field Values: This field auto-calculates based on height and weight data.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: NA

ImageTrend Data Element Tag: TR1.36

Admitting MD/Staff

Definition: Admitting MD/Staff is the person who will be caring for the patient after they have been discharged from the Emergency Department and transferred to their inpatient room.

Field Values: Dropdown menu based on "Staff" identified by the trauma care facility.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -2

ImageTrend Data Element Tag: TR18.98

Admitting Service

Definition: If the patient was admitted to the hospital, enter the service to which the patient was admitted. (NS=Nonsurgical Service)

Field Values: Dropdown menu with the following options:

- Not Applicable
- Not Recorded/Not Known
- Burn Surgery
- Cardiology (NS)
- Emergency Medicine
- ENT
- Family Medicine/Practice (NS)
- General Surgery
- Geriatrics (NS)
- GI (NS)
- GYN
- Hospitalist Service (NS)
- Infectious Diseases (NS)
- Internal Medicine (NS)
- Neurology (NS)
- Neurosurgery
- OB
- Ophthalmology
- Oral Surgery
- Orthopedics
- Other
- Pediatric Hospitalist
- Pediatric Intensivist
- Pediatric Surgery
- Pediatrics (NS)
- Plastic Surgery
- Podiatry
- Psychiatry (NS)
- Pulmonary Medicine (NS)
- Renal (NS)
- Thoracic-Cardiovascular
- Trauma Surgery
- Urology
- Vascular

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -3

ImageTrend Data Element Tag: TR18.99

ED Attending MD/Staff

Definition: ED Attending MD/Staff is the physician who took care of the patient in the Emergency Department.

Field Values: Dropdown menu based on "Staff" identified by the trauma care facility.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: NA

ImageTrend Data Element Tag: TR 18.131

ED Attending MD/Staff Service Type

Definition: ED Attending MD/Staff Service Type

Field Values: Dropdown menu of the following options:

- Not Applicable
- Not Known/Not Recorded
- Anesthesia/CRNA
- Burn
- Cardiology
- Emergency Medicine
- ENT
- Family Practice
- Gen Surgery
- Hand
- Hem-Onc
- Hospitalist
- Medicine
- Neurology
- Neurosurgery
- OralMax
- Orthopedics
- Pedi Surgery
- Peds
- Plastics
- Podiatry
- Surgery Subspecialty
- Thoracic Surg
- Trauma
- Urology

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: NA

ImageTrend Data Element Tag: TR18.132

Consulting Services

Definition: Trauma patient received consultative services.

Field Values: Dropdown menu with the following options:
- Not Known/Not Recorded
- Not Applicable
- Yes
- No

Additional Information:
- If yes is selected, Consulting Service Type, Consulting Staff, and Consult Date/Time should be completed.

Inclusion Entity	Required Data Element	Validated Field
State	No	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -3

ImageTrend Data Element Tag: TR17.29

Consulting Service Type

Definition: Type of the consulting service.

Field Values: Dropdown of the following menu items:

- Not Applicable
- Not Known/Not Recorded
- Acute Rehabilitation Medicine
- Anesthesia
- Bariatric
- Burn
- Cardiology
- Cardiothoracic Surgery
- Chemical Dependency
- Colo-Rectal
- Critical Care Medicine
- Critical Care Surgery
- Dentistry
- Dermatology
- Ear Nose Throat
- Electrophysiology
- Endocrinology
- Family Medicine
- Gastroenterology
- General Surgery
- Geriatric
- Gynecology
- Hand
- Hematology Oncology
- Hospitalist
- Infectious Disease
- Intensive Care
- Internal Medicine
- Interventional Radiology
- Kidney Transplant
- Liver
- Neonatal
- Nephrology
- Neurointensive Care
- Neurology
- Neurosurgery
- Obstetric
- Occuloplastic
- Occupational Therapy
- Oncology
- Ophthalmology
- Oral Maxillo Facial Surgery
- Orthopedic Surgeon
- Other Non-Surgeon
- Other Surgeon
- Pain
- Palliative Care
- Pediatric Cardiology
- Pediatric Critical Care Medicine
- Pediatric Dentistry
- Pediatric Gastroenterology
- Pediatric Hematology Oncology
- Pediatric Hospitalist
- Pediatric Infectious Disease
- Pediatric Intensivist
- Pediatric Nephrology
- Pediatric Neurology
- Pediatric Orthopedic
- Pediatric Pulmonary
- Pediatric Surgery
- Physical Medicine & Rehabilitation
- Plastic Surgeon
- Podiatry
- Psychiatry
- Psychology
- Pulmonary
- Renal
- Rheumatology
- Social Work
- Speech Therapy
- Thoracic Surgeon
- Trauma Surgeon
- Urology
- Vascular Surgery

Additional Information:

- Only completed if yes is selected for Consulting Services.

Inclusion Entity	Required Data Element	Validated Field		Form	Location of Data Element
State	No	Yes		Short Form ICD-10	ED Record
NTDB	No	No		Trauma Incident Form ICD-10	ED/Acute Care
TQIP	No	No		Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: -3
ImageTrend Data Element Tag: TR17.32

Consulting Staff

Definition: Staff consulted for the service.

Field Values: Dropdown menu based on "Staff" identified by the trauma care facility.

Additional Information:
- Only completed if yes is selected for Consulting Services.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: NA

ImageTrend Data Element Tag: TR17.33

Consulting Service Date/Time

Definition: Date and time the consulting practitioner was requested.

Field Values: Relevant field values for data element.

Additional Information:
- Only completed if yes is selected for Consulting Services.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: NA

ImageTrend Data Element Tag: TR17.7 (Date), TR17.8 (Time)

Log of Admission

Definition: Section identifies the date, time, ward, bed number, consultant, and medical specialty for the patient in different areas of the hospital the patient was cared for during admission. This is not required data, but may be used by the facility to track patient care and for performance improvement processes.

Field Values:
- Date/Time: The date and time the patient was moved to the location identified.
- Ward/Bed number: The floor or ward and the room number of the location of the patient.
- Consultant/Medical Specialty: The name of the physician and physician specialty of the doctor who cared for the patient in this location.

Additional Information:
- Ward information has been pre-identified to the following areas: Adult Medical/Surgical, Cardiac/Telemetry, ICU/CCU, Neurology, NICU, Observation, Obstetrics, Orthopedics, Pediatric Medical/Surgical, PICU, and Step-down unit.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	ED/Acute Care
Trauma + TQIP ICD-10	ED/Acute Care

State Validation Score: NA

ImageTrend Data Element Tag: TR44.1 (date), TR44.2 (time), TR44.3 (ward), TR44.4 (bed number), TR44.5 (consultant), and TR44.6 (medical specialty)

Initial Assessment

Initial Assessment Vitals Date/Time

Definition: The date and time the initial assessment was completed within 30 minutes or less of ED/hospital arrival.

Field Values: Relevant field values for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -1

ImageTrend Data Element Tag: TR18.104 (Date), TR18.110 (Time)

Initial Assessment Temperature

Definition: First recorded temperature (in degrees Celsius or Fahrenheit) in the ED/Hospital within 30 minutes or less of ED/hospital arrival.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: 0

ImageTrend Data Element Tag: TR18.30

Initial Assessment Temperature Route

Definition: Indicate the initial emergency department/hospital temperature measurement route.

Field Values: Dropdown menu with the following options:
- Not Known/Not Recorded
- Axillary
- Foley
- Oral
- Other
- Rectal
- Temporal Artery
- Tympanic

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: NA

ImageTrend Data Element Tag: TR18.147

Initial Assessment Systolic Blood Pressure

Definition: First recorded systolic blood pressure in ED/hospital within 30 minutes or less of ED/hospital arrival.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -3

ImageTrend Data Element Tag: TR18.11

Initial Assessment Diastolic Blood Pressure

Definition: First recorded diastolic blood pressure in ED/hospital within 30 minutes or less of ED/hospital arrival.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -1

ImageTrend Data Element Tag: TR18.13

Initial Assessment Pulse Rate

Definition: First recorded pulse rate in ED/hospital (palpitated or auscultated, expressed as a number per minute) within 30 minutes or less of ED/hospital arrival.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -3

ImageTrend Data Element Tag: TR18.2

Initial Assessment Respiratory Rate

Definition: First recorded respiratory rate in the ED/hospital (expressed as a number per minute) within 30 minutes or less of ED/hospital arrival.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -3

ImageTrend Data Element Tag: TR18.7

Initial Assessment Respiratory Assistance

Definition: Determination of respiratory assistance associated with the initial ED/hospital within 30 minutes or less of ED/hospital arrival.

Field Values: Dropdown menu of the following options:
- Not Known/Not Recorded
- Assisted Respiratory Rate
- Unassisted Respiratory Rate

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -3

ImageTrend Data Element Tag: TR18.10

Initial Assessment Oxygen Saturation

Definition: First recorded oxygen saturation in ED/hospital (expressed as a percentage) within 30 minutes or less of ED/hospital arrival.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -1

ImageTrend Data Element Tag: TR18.31

Initial Assessment Supplemental Oxygen

Definition: Determination of the presence of supplemental oxygen during assessment of the initial ED/hospital oxygen saturation level within 30 minutes or less of ED/hospital arrival.

Field Values: Dropdown menu with the following options:
- Intubated
- Not Known/Not Recorded
- Respiratory Arrest
- Room Air
- Yes
- No

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -1

ImageTrend Data Element Tag: TR18.109

Initial Assessment Glasgow-Eye

Definition: First recorded Glasgow Coma Score (eye) in the ED/hospital within 30 minutes or less of ED/hospital arrival.

Field Values: Drop down menu with the following options:
- Not Known/Not Recorded
- 1 No eye movement when assessed
- 2 Opens eyes in response to painful stimulation
- 3 Opens eyes in response to verbal stimulation
- 4 Opens eyes spontaneously

Additional Information:
- Used to calculate Overall GCS – ED/Hospital Score.
- If a patient does not have a numeric GCS score recorded, but written documentation closely (or directly) relates to verbiage describing a specific level of functioning within the GCS scale, the appropriate numeric score may be listed. E.g. the chart indicates: "patient's pupils are PERRL," an Eye GCS of 4 may be recorded, IF there is no other contradicting documentation.
- Please note that first recorded/hospital vitals do not need to be from the same assessment.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -1

ImageTrend Data Element Tag: TR18.14

Initial Assessment Glasgow-Verbal

Definition: First recorded Glasgow Coma Score (Verbal) in the ED/hospital within 30 minutes or less of ED/hospital arrival.

Field Values:

Pediatric Values (≤ 2 years)

- Not Known/Not Recorded
- 1 No vocal response
- 2 Inconsolable, agitated
- 3 Inconsistently consolable, moaning
- 4 Cries but is consolable, inappropriate interactions
- 5 Smiles, oriented to sounds, follows objects, interacts

Adult Values

- Not Known/Not Recorded
- 1 No verbal response
- 2 Incomprehensible sounds
- 3 Inappropriate words
- 4 Confused
- 5 Oriented

Additional Information:

- Used to calculate Overall ED/hospital GCS Score.
- If patient is intubated then the GCS Verbal score is equal to 1.
- If a patient does not have a numeric GCS score recorded, but written documentation closely (or directly) relates to verbiage describing a specific level of functioning within the GCS scale, the appropriate numeric score may be listed. E.g. the chart indicates: "patient is oriented to person place and time," a Verbal GCS of 5 may be recorded, IF there is no other contradicting documentation.
- The null value "Not Applicable" is used for patients who arrive by Private/Public Vehicle/Walk-in.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -1
ImageTrend Data Element Tag: TR18.15.2

Initial Assessment Glasgow-Motor

Definition: First recorded Glasgow Coma Score (Motor) in the ED/hospital within 30 minutes or less of ED/hospital arrival.

Field Values:
Pediatric (≤ 2 years):
- Not Known/Not Recorded
- 1 No motor response
- 2 Extension to pain
- 3 Flexion to pain
- 4 Withdrawal from pain
- 5 Localizing pain
- 6 Appropriate response to stimulation

Adult
- Not Known/Not Recorded
- 1 No motor response
- 2 Extension to pain
- 3 Flexion to pain
- 4 Withdrawal from pain
- 5 Localizing pain
- 6 Obeys commands

Additional Information:
- Used to calculate Overall ED/hospital GCS Score.
- If a patient does not have a numeric GCS score recorded, but written documentation closely (or directly) relates to verbiage describing a specific level of functioning within the GCS scale, the appropriate numeric score may be listed. E.g. the chart indicates: "patient withdraws from a painful stimulus," a Motor GCS of 4 may be recorded, IF there is no other contradicting documentation.
- The null value "Not Applicable" is used for patients who arrive by 4. Private/Public Vehicle/Walk-in.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -1

ImageTrend Data Element Tag: TR18.16.2

Initial Assessment Glasgow-Qualifiers

Definition: Documentation of factors potentially affecting the first assessment of GCS upon arrival in the ED/hospital within 30 minutes or less of ED/hospital arrival. Up to three field values may be selected.

Field Values: Multi-select box with the following options:
- Not Known/Not Recorded
- Obstruction to the Patient's Eye
- Patient Chemically Sedated or Paralyzed
- Patient Intubated
- Valid GCS: Patient was not sedated, not intubated, and did not have obstruction to the eye

Additional Information:
- Identifies treatments given to the patient that may affect the first assessment of GCS. This field does not apply to self-medications the patient may administer (i.e., ETOH, prescriptions, etc.).
- If an intubated patient has recently received an agent that results in neuromuscular blockade such that a motor or eye response is not possible, then the patient should be considered to have an exam that is not reflective of their neurologic status and the chemical sedation modifier should be selected.
- Please note that first ED/hospital vitals do not need to be from the same assessment.
- Check all that apply.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -2

ImageTrend Data Element Tag: TR18.21

Initial Assessment GCS Calculated Score

Definition: Initial ED/Hospital GCS total auto calculated with entered GCS data.

Field Values: Auto calculated

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -3

ImageTrend Data Element Tag: TR18.22

Initial Assessment Revised Trauma Score/Pediatric Trauma Score

Definition: Auto calculation of initial ED/hospital revised trauma score.

Field Values: Auto calculation when associated data elements are entered

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: NA

ImageTrend Data Element Tag: TR18.135

Initial Assessment FAST Date/Time

Definition: Date and time the Focused Assessment with Sonography in Trauma (FAST) exam was performed.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: NA

ImageTrend Data Element Tag: TR18.102 (Date), TR18.112 (Time)

Alcohol Use Indicator-Retiring in 2017 to be replaced with Alcohol Screen

Definition: "Trace levels" is defined as any alcohol level below the legal limit, but not zero. "Beyond legal limit" is defined as a blood alcohol concentration above the legal limit for the state in which the treating institution is located. Above any legal limit, DUI, DWI, or DWAI, would apply here. If alcohol use is suspected, but not confirmed by test, record null valued "Not Known/Not Recorded".

Field Values: Dropdown menu with the following options:
- No (not tested)
- No (confirmed by test)
- Yes (confirmed by test [trace levels])
- Yes (confirmed by test [beyond legal limits])

Additional Information:
- If yes is selected, blood alcohol content will be requested.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -2

ImageTrend Data Element Tag: TR18.46

Drug Use Indicator-Retiring in 2017 to be replaced with Drug Screen

Definition: "Illegal use drug" includes illegal us of prescription drugs. If drug use is suspected, but not confirmed by test, record null value "Not Known/Not Recorded". This data element refers to drug use by the patient and does not include medical treatment.

Field Values: Multi-select dropdown menu with the following options:
- No (not tested)
- No (confirmed by test)
- Yes (confirmed by test [illegal use drug])
- Yes (confirmed by test [prescription drug])
- Yes (confirmed by test [illegal and prescription drug])

Additional Information:
- If yes is selected, the following description selections may be made: amphetamine, antidepressants (including tricyclics), barbiturate, benzodiaz, cocaine, ethanol, marijuana (cannabis), methamphetamines, opiates (including propoxyphene), PCP, amitriptyline, morphine, Diazepam, meprobamate, codeine, heroin, methadone, imipramine, doxepin, hashish, sedatives-hypnotics, not applicable, not recorded, not known, not available.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -2

ImageTrend Data Element Tag: TR18.45

Hematocrit

Definition: Patient's initial hematocrit.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: NA

ImageTrend Data Element Tag: TR18.95

Base Deficit

Definition: Defined as a value greater than 4 at any time during admission. This number is reported as a component of arterial or venous blood gases. The number may be reported by the lab as Base Deficit, or as Base Excess with a negative value.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: NA

ImageTrend Data Element Tag: TR18.93

Blood Transfusion in the ED

Definition: Whether the person was administered any blood products at any stage prior to discharge from the emergency department.

Field Values: Dropdown menu with the following options:
- Not Determined/Unknown
- Yes
- No

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: NA

ImageTrend Data Element Tag: TR17.51

Blood and Blood Products

Definition: Blood and blood products given.

Field Values: Multi-select dropdown menu with the following options:
- Not Applicable
- Not Known/Not Recorded
- Cryoprecipitate
- Factor VII
- Fibrinogen concentrate
- Fresh Frozen Plasma
- Massive Blood Transfusion Protocol Initiated
- Packed Red Bood Cells
- Platelets
- Prothrombinex
- ROTEM Guided Transfusion

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: NA

ImageTrend Data Element Tag: TR42.1

Pregnancy

Definition: Indication of the possibility by the patient's history of current pregnancy.

Field Values: Dropdown menu with the following options:
- Not Known/Not Recorded
- Yes
- No

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: NA

ImageTrend Data Element Tag: TR14.38

Tranexamic Acid Given

Definition: Whether the person received Tranexamic Acid at any stage of care, whether prior to or at the definitive care hospital.

Field Values: Dropdown menu with the following options:
- Not Known/Not Recorded
- Yes-Given within first 3 hours from time of injury
- Yes-Given after first 3 hours from time of injury
- Not Given

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -1

ImageTrend Data Element Tag: TR17.57

Drug Screen (To be activated in 2017)

Definition: First recorded positive drug screen results within 24 hours after first hospital encounter (select all that apply).

Field Values:

1. AMP (Amphetamine)
2. BAR (Barbiturate)
3. BZO (Benzodiazepines)
4. COC (Cocaine)
5. mAMP (Methamphetamine)
6. MDMA (Ecstasy)
7. MTD (Methadone)
8. OPI (Opioid)
9. OXY (Oxycodone)
10. PCP (Phencyclidine)
11. TCA (Tricyclic Antidepressant)
12. THC (Cannabinoid)
13. Other
14. None
15. Not Tested

Additional Information:

- Record positive drug screen results within 24 hours after first hospital encounter, at either your facility or the transferring facility.
- "None" is reported for patients whose only positive results are due to drugs administered at any facility (or setting) treating this patient event, or for patients who were tested and had no positive results.
- If multiple drugs are detected, only report drugs that were not administered at any facility (or setting) treating this patient event.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -2

ImageTrend Data Element Tag: TBD

Alcohol Screen (To be activated in 2017)

Definition: A blood alcohol concentration (BAC) test was performed on the patient within 24 hours after first hospital encounter.

Field Values: Dropdown menu with the following options:
- Yes
- No

Additional Information:
- Alcohol screen may be administered at any facility, unit, or setting treating this patient event.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -2

ImageTrend Data Element Tag: TBD

Alcohol Screen Results (To be activated in 2017)

Definition: First recorded blood alcohol concentration (BAC) results within 24 hours after first hospital encounter.

Field Values: Relevant value for data element.

Additional Information:
- Collect as X.XX standard lab value (e.g. 0.08).
- Record BAC results within 24 hours after first hospital encounter, at either your facility or the transferring facility.
- The null value "Not Applicable" is used for those patient who were not tested.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Initial Assessment
Trauma + TQIP ICD-10	Initial Assessment

State Validation Score: -2

ImageTrend Data Element Tag: TBD

Diagnosis and Co-Morbidities

Diagnosis Code-ICD 10

Definition: Diagnoses related to all identified injuries.

Field Values: Relevant field value for the data element

Additional Information:
- More than one diagnosis code may be entered for a patient.
- Comments may be added for each diagnosis code entered.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Diagnosis
Trauma + TQIP ICD-10	Diagnosis

State Validation Score: -1

ImageTrend Data Element Tag: TR200.1

AIS Code

Definition: The abbreviated injury score (AIS) associated with the diagnosis.

Field Values: Relevant field value for the data element

Additional Information:
- Field cannot be Not Applicable.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Diagnosis
Trauma + TQIP ICD-10	Diagnosis

State Validation Score: 0

ImageTrend Data Element Tag: TR200.14

Injury Severity Score/New Injury Severity Score

Definition: The Injury Severity Score (ISS) is an anatomical scoring system that provides an overall score for patients with multiple injuries. Each injury is assigned an Abbreviated Injury Scale (AIS) score and is allocated to one of six body regions (Head, Face, Chest, Abdomen, Extremities (including Pelvis), External). Only the highest AIS score in each body region is used. The 3 most severely injured body regions have their score squared and added together to produce the ISS score.

The ISS score takes values from 0 to 75. If an injury is assigned an AIS of 6 (unsurvivable injury), the ISS score is automatically assigned to 75. The ISS score is virtually the only anatomical scoring system in use and correlates linearly with mortality, morbidity, hospital stay and other measures of severity.

Its weaknesses are that any error in AIS scoring increases the ISS error, many different injury patterns can yield the same ISS score and injuries to different body regions are not weighted. Also, as a full description of patient injuries is not known prior to full investigation & operation, the ISS (along with other anatomical scoring systems) is not useful as a triage tool.

Baker SP et al, "The Injury Severity Score: a method for describing patients with multiple injuries and evaluating emergency care", J Trauma 14:187-196;1974

Field Values: This field auto calculates based on associated data elements.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Diagnosis
Trauma + TQIP ICD-10	Diagnosis

State Validation Score: NA

ImageTrend Data Element Tag: NA

Probability of Survival Score

Definition: The probability of survival score is calculated using the following method:

- **TRISS (blunt):** Logit = -0.4499 + RTS*0.8085 + ISS*-0.0835 + (age.points)*-1.7430
  Predicted death rate = $1/(1 + e^{-Logit})$

- **TRISS (penetrating):** Logit = -2.5355 + RTS*0.9934 + ISS*-0.0651 + (age.points)*-1.1360
  Predicted death rate = $1/(1 + e^{-Logit})$

- **Age Points:**
  Age < 15 years = 0
  15 <= Age < 55 = 0
  Age >= 55 years = 1

Field Values: Auto calculated based on associated data elements.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Diagnosis
Trauma + TQIP ICD-10	Diagnosis

State Validation Score: NA

ImageTrend Data Element Tag: TR

Revised Trauma Score

Definition: The revised trauma score auto calculates.

Field Values: The revised trauma score auto calculates.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	ED Record
Trauma Incident Form ICD-10	Diagnosis
Trauma + TQIP ICD-10	Diagnosis

State Validation Score: NA

ImageTrend Data Element Tag: TR

Co-morbidities

Definition: Pre-existing comorbid factors present prior to patient arrival at the ED/hospital.

Field Values: Dropdown menu with the following options:
- Advanced directive limiting care
- Alcohol Use Disorder
- Angina Pectoris (added 2017)
- Anticoagulant Therapy (added 2017)
- Asthma
- Attention deficit disorder/ADHD
- Autoimmune Disease
- Bleeding Disorder
- Cerebrovascular Accident (CVA)
- Chemotherapy for cancer within 30 days
- COPD
- Chronic renal failure
- Cirrhosis
- Congenital Anomalies
- Congestive heart failure
- Current smoker
- Currently receiving chemotherapy for cancer
- Dementia
- Diabetes mellitus
- Disseminated cancer
- Drug Use Disorder(retired 2017)
- Functionally dependent health status
- History of angina within past 30 days (retired 2017)
- History of myocardial infarction(retired 2017)
- History of PVD
- Hypertension requiring   medication (modified 2017)
- Major psychiatric illness (retired 2017)
- Mental/Personality Disorder (retired 2017)
- Myocardial Infarction (MI) (retired 2017)
- No Co-Morbid Condition Present
- Not Recorded/Not Known
- Other
- Peripheral Arterial Disease (PAD) (retired 2017)
- Prematurity
- Seizures

- Steroid use

Additional Information:
- Additional notes or comments may be added with each co-morbidity condition identified.

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Co-Morbidity
Trauma + TQIP ICD-10	Co-Morbidity

State Validation Score: -1

ImageTrend Data Element Tag: TR21.21

Procedures

Procedure-ICD 10

Definition: Operative and selected non-operative procedures conducted during hospital stay. Operative and selected non-operative procedures are those that were essential to the diagnosis, stabilization, or treatment of the patient's specific injuries or complications.

Field Values: Relevant field value for the data element

Additional Information:
- Additional information related to the procedure may be requested: Date/time procedure was performed, location of procedure, staff/service type of individual conducting procedure, comments, and other relevant elements.
- A list of commonly used ICD-10 procedures is available within the system.
- Multiple procedures can be added for each patient.
- Capture all procedures performed in the operating room.
- Capture all procedures in the ED, ICU, ward, or radiology department that were essential to the diagnosis, stabilization, or treatment of the patient's specific injuries or their complications.
- Procedures with an asterisk have the potential to be performed multiple times during one episode of hospitalization. In this case, capture only the first event. If there is no asterisk, capture each event even if there is more than one.
- Note that the hospital may capture additional procedures.

Diagnostic and Therapeutic Imaging
Computerized tomographic studies (Retiring 2017)
Diagnostic ultrasound (includes FAST)
Doppler ultrasound of extremities
Angiography
Angioembolization

Echocardiography (Retiring 2017)
Cystogram (Retiring 2017)
IVC filter
Urethrogram (Retiring 2017)
Computerized tomographic Head (Added 2017)
Computerized tomographic Chest (Added 2017)
Computerized tomographic Abdomen (Added 2017)
Computerized tomographic Pelvis (Added 2017)
REBOA (ICD-10: 04L03FDZ) (Added 2017)

Cardiovascular

Genitourinary
Ureteric catheterization (i.e. Ureteric stent)
Suprapubic cystostomy

Transfusion
The following blood products should be captured over first 24 hours after hospital arrival:
- Transfusion of red cells
- Transfusion of platelets
- Transfusion of plasma

Respiratory
Insertion of endotracheal tube (exclude intubations performed in the OR)

Central venous catheter (Retiring 2017)

Pulmonary artery catheter (Retiring 2017)

Cardiac output monitoring (Retiring 2017)

Open cardiac massage

CPR

CNS

Insertion of ICP monitor

Ventriculostomy

Cerebral oxygen monitoring

Musculoskeletal

Soft tissue/bony debridements

Closed reduction of fractures

Skeletal and halo traction

Fasciotomy

Continuous mechanical ventilation

Chest tube

Bronchoscopy

Tracheostomy

Gastrointestinal

Endoscopy (includes gastroscopy, sigmoidoscopy, colonoscopy)

Gastrostomy/jejunostomy (percutaneous or endoscopic)

Percutaneous (endoscopic) gastrojejunoscopy

Hyperbaric oxygen (Retiring 2017)

Decompression chamber (Retiring 2017)

TPN (Retiring 2017)

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Procedures
Trauma Incident Form ICD-10	Procedures
Trauma + TQIP ICD-10	Procedures

State Validation Score: -1

ImageTrend Data Element Tag: TR200.2

Burn Information

Carboxyhemoglobin Level

Definition: The patients initial carboxyhemoglobin level at the facility.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Burn
Trauma Incident Form ICD-10	Burn
Trauma + TQIP ICD-10	Burn Information

State Validation Score: NA

ImageTrend Data Element Tag: TR34.4

Inhalation Injury

Definition: Indicate if the patient suffered from an inhalation burn injury.

Field Values: Dropdown menu with the following field options:
- Not Known/Not Recorded
- Yes
- No

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Burn
Trauma Incident Form ICD-10	Burn
Trauma + TQIP ICD-10	Burn Information

State Validation Score: NA

ImageTrend Data Element Tag: TR34.5

Inhalation Injury Diagnosis Methods

Definition: Inhalation injury diagnosis methods.

Field Values: Multi-select menu with the following options:
- Not Known/Not Recorded
- Carbon Monoxide Poisoning
- Clinical Findings
- Fiber optic Bronchoscope
- History
- Pulmonary Function Testing
- Xenon Scanning

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Burn
Trauma Incident Form ICD-10	Burn
Trauma + TQIP ICD-10	Burn Information

State Validation Score: NA

ImageTrend Data Element Tag: TR34.6

Lund and Browder Chart-Burn Assessment

Definition: Identifies the amount and severity of the patient's burns.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Burn
Trauma Incident Form ICD-10	Burn
Trauma + TQIP ICD-10	Burn Information

State Validation Score: NA

ImageTrend Data Element Tag: TR34.7 (Body Area/Part), TR34.9 (2ø), TR34.10 (3ø), TR34.11 (%TBSA), TR34.12 (Partial Thickness), TR34.13 (Full Thickness), TR34.14 (Total Burn Size)

Trauma Quality Improvement Program

Angiography

Definition: First interventional angiogram with or without embolization within the first 24 hours after ED/hospital arrival.

Field Values: Dropdown menu with the following options:
- Angiogram Only
- Angiogram With Embolization
- None

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.12

Angiography Date/Time

Definition: The date and time the first angiogram with or without embolization was performed.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.13 (Date), TR40.14 (Time)

Embolization Site

Definition: Organ/site of embolization for hemorrhage control.

Field Values: Multi-select menu with the following options:
- Not Applicable
- Not Known/Not Recorded
- Aorta (thoracic or abdominal)
- Kidneys
- Liver
- Other
- Pelvic (iliac, gluteal, obturator)
- Peripheral vascular (neck, extremities)
- Retroperitoneum (lumbar, sacral)
- Spleen

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.18

Hemorrhage Surgery Control Type

Definition: Type of surgery for hemorrhage control within the first 24 hours of ED/hospital arrival.

Field Values: Dropdown menu with the following options:
- None
- Extremity ~~(peripheral vascular)~~ (Change in 2017)
- Laparotomy
- Mangled extremity/traumatic amputation
- Neck
- Other skin/soft tissue
- Sternotomy
- Thoracotomy

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.19

Hemorrhage Surgery Control Date and Time

Definition: Date and time of first surgery for hemorrhage control within the first 24 hours of ED/hospital arrival.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.20 (Date), TR40.21 (Time)

Withdrawal of Life Supporting Treatment (Change in 2017)

Definition: Care was withdrawn based on a decision to either remove or withhold further life sustaining intervention. This decision must be documented in the medical record and is often, but not always associated with a discussion with the legal next of kin.

Field Values: Dropdown menu with the following options:
- Yes
- No

Additional Information:
- If yes is selected, the date and time care was withdrawn must be entered.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.15

Transfusion Blood (4 hours)

Definition: Volume of packed red blood cell transfusion (units) within first 4 hours after ED/hospital arrival.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.4

Transfusion Blood (24 hours)

Definition: Volume of packed red blood cell transfusion (units) within first 24 hours after ED/hospital arrival.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.8

Transfusion Blood Measurement

Definition: The measurement used to document the patient's blood transfusion (units, CCs [mLs]).

Field Values: Dropdown menu with the following options:
- CCs (mLs)
- Units

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.23

Transfusion Blood Conversion

Definition: The quantity of CCs [mLs] constituting a "unit" for blood transfusions at your hospital.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.24

Transfusion Platelets (4 hours)

Definition: Volume of platelets (units) transfused within first 4 hours after ED/hospital arrival.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.6

Transfusion Platelets (24 hours)

Definition: Volume of platelet units transfused within first 24 hours after ED/hospital arrival.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.10

Transfusion Platelets Measurement

Definition: The measurement used to document the patient's platelets transfusion (units or CCs [mLs]).

Field Values: Dropdown menu with the following options:
- CCs (mLs)
- Units

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.27

Transfusion Platelets Conversion

Definition: The quantity of CCs (mls) constituting a "unit" for platelets transfusions at your hospital.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.28

Transfusion Plasma (4 hours)

Definition: Volume of fresh frozen or thawed plasma (units) transfused within first 4 hours after ED/hospital arrival.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.5

Transfusion of Plasma (24 hours)

Definition: Volume of fresh frozen or thawed plasma (units) transfused within first 24 hours after ED/hospital arrival.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.9

Transfusion Plasma Measurement

Definition: The measurement used to document the patient's plasma transfusion (units, CCs [MLs])

Field Values: Dropdown menu with the following options:
- CCs (MLs)
- Units

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.25

Transfusion Plasma Conversion

Definition: The quantity of CCs [MLs] constituting a "unit" for plasma transfusions at your hospital.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.26

Cryoprecipitate (4 hours)

Definition: The volume of solution enriched with clotting factors transfused (units) within first 4 hours after ED/hospital arrival.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.7

Cryoprecipitate (24 hours)

Definition: The volume of solution enriched with clotting factors transfused (units) within first 24 hours after ED/hospital arrival.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.11

Cryoprecipitate Measurement

Definition: The measurement used to document the patient's cryoprecipitate transfusion (units, CCs [MLs]).

Field Values: Dropdown menu with the following options:
- CCs (MLs)
- Units

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.29

Cryoprecipitate Conversion

Definition: The quantity of CCs [MLs] constituting a "unit" for cryoprecipitate transfusions at your hospital.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.30

Highest GSC Total-Traumatic Brain Injury

Definition: Highest total GCS within 24 hours of ED/Hospital arrival. Collection Criterion: Collect on patients with at least one injury in AIS head region.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR39.1

GCS Motor Score of Highest GCS Total

Definition: Highest motor GCS within 24 hours of ED/hospital arrival. Collection Criterion: ~~Collect on patients with at least one injury in AIS head region.~~ Collect on patients with at least one injury in AIS head region, excluding patients with isolated scalp abrasion(s), scalp contusion(s), scalp laceration(s) and scalp avulsion(s). (Change in 2017)

Field Values: Dropdown menu with the following options:
- Not Known/Not Recorded
- 1 No motor response
- 2 Extension to pain
- 3 Flexion to pain
- 4 Withdrawal from pain
- 5 Localizing pain
- 6 Obeys commands

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR39.2

GCS Qualifiers with Highest GSC Total

Definition: GCS qualifiers of the highest GCS within 24 hours of ED/hospital arrival. Collection Criterion: Collect on patients with at least one injury in AIS head region.

Field Values: Multi-select menu with the following options:
- Not Applicable
- Not Known/Not Recorded
- Obstruction to the Patient's Eye
- Patient chemically sedated
- Patient intubated
- Valid GCS: Patient was not sedated, not intubated, and did not have obstructions to the eye

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR39.3

Initial ED/Hospital Pupillary Response

Definition: Physiological response of the pupil size within 30 minutes or less of ED/Hospital arrival. Collection Criterion: Collect on patients with at least one injury in AIS head region, excluding patients with isolated scalp abrasion(s), scalp contusion(s), scalp laceration(s) and scalp avulsion(s). (Change in 2017)

Field Values: Dropdown menu with the following options:
- Not Applicable
- Not Known/Not Recorded
- Neither Reactive
- One Reactive
- Both Reactive

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.32

Midline Shift

Definition: >5mm shift of the brain past its center line within 24 hours after time of injury. Collection Criterion: Collect on patients with at least one injury in AIS head region, excluding patients with isolated scalp abrasion(s), scalp contusion(s), scalp laceration(s) and scalp avulsion(s). (Change in 2017)

Field Values: Dropdown menu with the following options:
- Not applicable
- Not Known/Not Recorded
- Not Imaged (e.g. CT Scan, MRI)
- Yes
- No

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.33

Cerebral Monitor

Definition: Indicate all cerebral monitors that were placed, including any of the following: ventriculostomy, subarachnoid bolt, camio bolt, external ventricular drain (EVD), licox monitor, jugular venous blub. Collection Criterion: Collect on patients with at least one injury in AIS head region, excluding patients with isolated scalp abrasion(s), scalp contusion(s), scalp laceration(s) and scalp avulsion(s). (Change in 2017)

Field Values: Multi-select menu with the following options:
- Not Applicable
- Intraparenchymal oxygen monitor
- Intraparenchymal pressure monitor
- Intraventricular drain/catheter
- Jugular venous bulb
- None
- Not Known/Not Recorded

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR39.4

Cerebral Monitor Date and Time

Definition: Date and time of first cerebral monitor placement. Collection Criterion: Collect on patients with at least one injury in AIS head region, excluding patients with isolated scalp abrasion(s), scalp contusion(s), scalp laceration(s) and scalp avulsion(s). (Change in 2017)

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR39.5

VTE Prophylaxis Type

Definition: Type of first dose of VTE prophylaxis administered to patient at your hospital.

Field Values: Dropdown menu with the following options:
- None
- Not known/not recorded
- Coumadin
- Direct Thrombin Inhibitor (Dabigatran, etc.)
- Heparin
- LMWH (Dalteparin, Enoxaparin, etc.)
- ~~Oral Xa Inhibitor (Rivaroxban, etc.)~~ Xa Inhibitor (Rivaroxaban, etc.) (Change in 2017)
- Other

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.1

VTE Prophylaxis Date and Time

Definition: Date and time of administration to patient of first prophylactic dose of heparin or other anticoagulants at your hospital.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	NA
Trauma + TQIP ICD-10	TQIP

State Validation Score: NA

ImageTrend Data Element Tag: TR40.2

Outcome

Hospital Discharge Service

Definition: The hospital service that is discharging the patient from the hospital.

Field Values: Dropdown menu with the following options:

Acute Rehabilitation Medicine	Infectious Disease	Psychiatry
Pediatric Hospitalist	Internal Medicine	Psychology
Pediatric Intensivist	Kidney Transplant	Pulmonary
Anesthesia	Liver	Rheumatology
Bariatric	Neonatal	Trauma Surgeon
Burn	Nephrology	Urology
Cardiology	Neurology	Vascular Surgery
Cardiothoracic Surgery	Neurosurgery	Pediatric Surgery
Chemical Dependency	Obstetrics	General Pediatrics
Critical Care Medicine	Oculoplastic	Not Known/Not Rec
Critical Care Surgery	Ophthalmology	
Dentistry	Oral Maxilla Facial Surgery	
Dermatology	Orthopedic Surgery	
Endocrinology	Pain	
Ear Nose Throat	Pediatric Cardiology	
Family Medicine	Pediatric Critical Care Medicine	
Gastroenterology	Pediatric Dentistry	
General Surgery	Pediatric Gastroenterology	
Geriatric	Pediatric Hematology Oncology	
Gynecology	Pediatric Infectious Disease	
Hand	Pediatric Nephrology	
Hematology Oncology	Pediatric Pulmonary	
Hospitalist	Plastic Surgeon	

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	Outcome

State Validation Score: NA

ImageTrend Data Element Tag: TR25.31

Hospital Admission Date and Time

Definition: Date and time the patient was admitted to the hospital.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	~~No~~ Yes	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	Outcome

State Validation Score: -2 (-1 for each)

ImageTrend Data Element Tag: TR25.33 (Date), TR25.47 (Time)

Hospital Discharge Orders Written Date and Time

Definition: The date the order was written for the patient to be discharged from the hospital. If patient expires after admission to the hospital, use time of death for this field.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	Outcome

State Validation Score: -2

ImageTrend Data Element Tag: TR25.93 (Date), TR25.94 (Time)

Hospital Discharge Date and Time

Definition: The date and time the patient was discharged from the hospital.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	Outcome

State Validation Score: -2 (-1 for each)

ImageTrend Data Element Tag: TR25.34 (Date), TR25.48 (Time)

Length of Stay

Definition: The total number of days and hours the patient was in the hospital.

Field Values: This field auto calculates.

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	Outcome

State Validation Score: NA

ImageTrend Data Element Tag: TR25.44

Total ICU Days

Definition: The cumulative amount of time spent in the ICU. Each partial or full day should be measured as one calendar day.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	Outcome

State Validation Score: -2

ImageTrend Data Element Tag: TR26.9

Total Vent Days

Definition: The cumulative amount of time spent on the ventilator. Each partial or full day should be measured as one calendar day.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	Outcome

State Validation Score: -1

ImageTrend Data Element Tag: TR26.58

Report of Physical Abuse

Definition: A report of suspected physical abuse was made to law enforcement and/or protective services. This includes, but is not limited to, a report of child, elder, spouse or intimate partner physical abuse.

Field Values: Dropdown menu with the following options:
- No
- Yes

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Hospital Outcome
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	Outcome

State Validation Score: -1

ImageTrend Data Element Tag: TR41.1

Investigation of Physical Abuse

Definition: An investigation by law enforcement and/or protective services was initiated because of the suspected physical abuse. This includes, but is not limited to, a report of child, elder, spouse or intimate partner physical abuse. "Not Applicable" should be selected for patients where Report of Physical Abuse is No.

Field Values: Dropdown menu with the following options:
- Yes
- No
- Not Applicable

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Hospital Outcome
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	Outcome

State Validation Score: -1

ImageTrend Data Element Tag: TR41.2

Caregiver at Discharge

Definition: The patient was discharged to a caregiver different than the caregiver at admission due to suspected physical abuse. "Not Applicable" should be selected when Report of physical abuse is no.

Field Values: Dropdown menu with the following options:
- Yes
- No
- Not Known/Not Recorded
- Not Applicable

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Hospital Outcome
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	Outcome

State Validation Score: -1

ImageTrend Data Element Tag: TR41.3

Injury Meets Farm-Related Injury Definition

Definition: Indicates the injury meets the farm-related injury definition. Agricultural injury (e.g. grain truck accident while in transit, railroad crash of grain cars). May not have been necessarily work-related or directly related to the farm.

Field Values: Dropdown menu with the following options:
- No
- Yes
- Not Applicable
- Not Recorded/Not Known

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	Hospital Outcome
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	Outcome

State Validation Score: -1

ImageTrend Data Element Tag: TR5.28

Primary Method of Payment

Definition: Primary source of payment to this trauma care facility for this visit. No Fault Automobile, Workers Compensation, and Blue Cross/Blue Shield should be captured as Private/Commercial Insurance.

Field Values: Dropdown menu with the following options:
- Not Applicable
- Not Known/Not Recorded
- Liability
- Managed Care
- Medicaid
- Medicare
- None
- Not Billed (for any reason)
- Other
- Other Government
- Private Pay
- Private/Commercial Insurance
- Self-Pay
- Unreimbursed

Additional Information:
- Field cannot be Not Applicable. (Change in 2017)

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Hospital Outcome
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	Outcome

State Validation Score: -1

ImageTrend Data Element Tag: TR2.5

Secondary Method of Payment

Definition: Secondary source of payment for hospital care.

Field Values: Dropdown menu with the following options:
- None
- Not Applicable
- Not Known/Not Recorded
- Liability
- Medicaid
- Medicare
- No Fault Automobile
- Other
- Other Government
- Private/Commercial Insurance
- Self-Pay
- Worker's Compensation

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	Outcome

State Validation Score: NA

ImageTrend Data Element Tag: TR2.7

Billed Hospital Charges

Definition: Total charges the patient was billed for the hospital stay.

Field Values: Relevant field value for the data element

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	Outcome

State Validation Score: NA

ImageTrend Data Element Tag: TR2.9

Work Related

Definition: Indication of whether the injury occurred during paid employment. If work related, two additional data fields must be completed: Patient's Occupational Industry and Patient's Occupation.

Field Values: Dropdown menu with the following options:
- No
- Yes

Additional Information:
- Patient's Occupational Industry field response values: Agriculture, Forestry, Fishing; Construction; Educational and Health Services; Finance, Insurance, and Real Estate; Government; Information Services; Leisure and Hospitality; Manufacturing; Natural Resources and Mining; Other Services; Professional and Business Services; Retail Trade; Transportation and Public Utilities; Wholesale and Retail Trade; Not Applicable
- Patient's Occupation field response values: Not applicable; Architecture and Engineering Occupations; Arts, Design, Entertainment, Sports and Media; Building and Grounds Cleaning and Maintenance; Business and Financial Operations; Community and Social Services; Computer and Mathematical; Construction and Extraction; Education, Training, and Library; Farming, Fishing, and Forestry; Food Preparation and Serving Related; Healthcare Practitioners and Technical; Healthcare support; Installation, Maintenance and Repair; Legal; Life, Physical and Social Science; Management; Military Specific; Office and Administrative support; Personal care and service; Production; Protective Services; Sales; Transportation and Material Moving; Not Known/Not Recorded

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Hospital Outcome
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	Outcome

State Validation Score: -2

ImageTrend Data Element Tag: TR2.10

Discharge Disposition

Definition: The disposition of the patient when discharged from the hospital.

Field Values: The following data points are available with dropdown menus:

- Not Known/Not Recorded
- Acute care hospital
- AMA / Discontinued Care
- Burn care hospital
- Deceased/Expired
- Discharge/Transferred to an Intermediate Care Facility
- Discharge/Transferred to home under care of organized Home Health Services
- Discharge/Transferred to Skilled Nursing Facility
- Discharged to home or self-care (routine discharge)
- Discharged/Transferred to a short-term general hospital for inpatient care
- Discharged/Transferred to another type of institution not defined elsewhere
- Discharged/Transferred to court/law enforcement
- Discharged/Transferred to Hospice care
- Discharged/Transferred to inpatient rehab or designated unit
- Discharged/Transferred to Long Term Care Hospital (LTCH)
- Psychiatric hospital or psychiatric distinct part/unit of a hospital

Additional Information: The following fields are available upon selecting the corresponding field value:

- Acute care hospital: Destination Determination (TR25.42), Hospital Transferred To (TR25.35), Transport Mode (TR25.43)
- Burn care hospital: Hospital Transferred To (TR25.35)
- Deceased/Expired: Date/Time Death Occurred (TR25.36), Location of Death (TR25.30), Death Circumstance (TR25.32), Circumstances of Death (TR25.53), Organ Donation (TR25.29), Autopsy Performed (TR25.37), Advanced Directive (TR25.28), Hospital Transferred To (TR25.35)
- Discharged/Transferred to a short-term general hospital for inpatient care: Destination Determination (TR25.42), Hospital Transferred To (TR25.35), Transport Mode (TR25.43)
- Discharged/Transferred to inpatient rehab or designated unit: Hospital Transferred To (TR25.35)

Inclusion Entity	Required Data Element	Validated Field
State	Yes	Yes
NTDB	Yes	Yes
TQIP	Yes	Yes

Form	Location of Data Element
Short Form ICD-10	Hospital Outcome
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	Outcome

State Validation Score: -3

ImageTrend Data Element Tag: TR25.27

Disability at Admission

Definition: A quantification of disability upon admission.

Field Values: The following data points are available with dropdown menus:
- Feeding
- Locomotion (Independence)
- Expression (Motor)
- Disability at Admission Score

Additional Information: The Disability at Admission Score is auto calculated based on the preceding values entered.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	NA

State Validation Score: NA

ImageTrend Data Element Tag: TR26.62 – TR26.65

Disability at Discharge

Definition: A quantification of disability upon discharge.

Field Values: The following data points are available with dropdown menus:
- Feeding
- Locomotion (Independence)
- Expression (Motor)
- Disability at Discharge Score
- General Condition at Discharge

Additional Information: The Disability at Discharge Score is auto calculated based on the preceding values entered.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	NA

State Validation Score: NA

ImageTrend Data Element Tag: TR26.54 – TR26.56, TR26.61, TR25.46

Injury Impairment Scale-Injury Disability Scale

Definition: The Injury Impairment Scale is meant to evaluate the impacts of the trauma on the patient. The Injury Disability Scale states the level of disability caused by the traumatic injury.

Field Values: The following data points are available with dropdown menus:
- No disability (able to be fully employed and pursue full recreational activities)
- Minor (Self support with reduced recreational activities)
- Moderate (Self support with no recreational activities)
- Severe (Living at home with assistance of an aid less than 4 hours per day or requires some assistance with shopping, meal preparation or medications)
- Very Severe (full care at home with assistance more than 4 hours a day or institutional care providing some assistance with activities of daily living)
- Extreme (Requires institutional care with an external life support system)

Additional Information:

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	Outcome
Trauma + TQIP ICD-10	Outcome

State Validation Score: NA

ImageTrend Data Element Tag: TR26.1

Surgeon Specific Reporting (Activating in 2017)

National Provider Identifier (NPI) (Activating in 2017)

Definition: The National Provider Identifier (NPI) of the admitting surgeon.

Field Values: Relevant value for data element.

Additional Information:
> • This variable is considered optional and is not required as part of the NTDS dataset.
> • Must be stored as a 10 digit numeric value.

Inclusion Entity	Required Data Element	Validated Field
State	No	No
NTDB	No	No
TQIP	No	No

Form	Location of Data Element
Short Form ICD-10	NA
Trauma Incident Form ICD-10	TBD
Trauma + TQIP ICD-10	TBD

State Validation Score: NA

ImageTrend Data Element Tag: TBD