



State of Tennessee

Health Facilities Commission

502 Deaderick Street, 9th Floor, Nashville, TN 37243

www.tn.gov/hfc

Phone: 615-741-7221

INTRODUCTION

The Tennessee Trauma Registry Data Dictionary is based in part on the National Trauma Data Standard (NTDS) of the American College of Surgeons and utilizes data elements from both the NTDS data dictionary and Tennessee specific data elements for submission to the state registry. Inclusion criteria for submissions **are** different from the NTDS standard in that all patients who met institutional criteria for trauma team activation and were discharged home from the ED or discharged to Other (jail, institutional care, mental health etc.) or left AMA are required to be submitted. This helps to ensure that the resources required for activation are captured whether the patient is admitted or not.

The content in this document is meant to inform the reader on what data elements are required for submission to the state registry and to identify the inclusion criteria for what records are to be submitted.

To ensure consistent data collection, a trauma patient is defined as a patient sustaining a traumatic injury within 14 days of initial hospital encounter and meeting the following criteria:

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

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)
- T79.A1-T79.A9 with 7th character modifier of A ONLY (Traumatic Compartment Syndrome–initial encounter)

EXCLUDING the following isolated injuries **unless they meet institutional criteria for trauma team activation:**

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)



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Tennessee State Registry Inclusion Criteria

Current NTDB criteria (***except for superficial injury codes that are required if meeting institutional trauma team activation criteria***) with state extensions and with the addition of language bolded below:

And must include one of the following in addition to (ICD-10-CM S00-S99, T07, T14, and T79.A1-T79.A9):

- Death resulting from the traumatic injury (independent of hospital admission or hospital transfer status);
OR
- Patient transfer from one acute care hospital to another acute care hospital;
OR
- Patients directly admitted to your hospital (exclude patients with isolated injuries admitted for elective and/or planned surgical intervention);
OR
- Patients who were an in-patient admission and/or observed;
OR

All patients who met institutional criteria for trauma team activation and were discharged home from the ED or discharged to Other (jail, institutional care, mental health etc.) or left AMA.

Tennessee required fields in addition to the most current NTDB Data Set

DEMOGRAPHICS

Pt last name

Pt first name

Pt middle initial

Street address

INJURY - The location from which the patient was transported

Physician's Office/urgent care

Unknown

Home (if not scene of injury)

Referring Hospital

Scene of Injury (if not previously medically evaluated)

POSITION IN VEHICLE

Driver

Front Seat Passenger

Second Row Left

Second Row Middle



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Second Row Right

Truck Bed

Passenger NFS

/, Not Applicable

?, Unknown

DIRECT ADMIT - Yes/No

INJURY MECHANISM - Replaces Chief Complaint

MVC

Fall Under 1m (3.3 ft)

Fall 1m - 6m (3.3 - 19.7 ft)

Fall Over 6m (19.7 ft)

Fall - NFS

Assault

Motorcycle

Pedestrian

Bicycle

Other Blunt Mechanism

Knife

Gun

Other Penetrating Mechanism

Burn

Electrical Injury

Not Applicable

Unknown

ATV

Animal

Machinery

Sports

TRAUMA TEAM ACTIVATION TIMES

Called time

Arrival at bedside time

Trauma attending response time for full activations only (level I, II's, & III's)

CT SCAN RESULTS

Positive/Negative



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ADMITTING SERVICE

Trauma
Neurosurgery
Orthopedics
General Surgery
Pediatric Surgery
Cardiothoracic Surgery
Burn Services
Pediatrics
Cardiology
Critical Care
ENT
Family Medicine
GI
Hospitalist
Infectious Disease
Internal Medicine
Nephrology
Neurology
OB-Gyn
Hematology/Oncology
Ophthalmology
Oral Surgery
Oromaxillo Facial Service
Spine
Plastic Surgery
Pulmonary
Thoracic Surgery
Urology
Vascular Surgery
Other
?, Unknown

FINANCIAL

Primary Method of Payment
Billed Hospital Charges



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2026 NTDS DATA SET:

The link below is for the American College of Surgeons (ACS) National Trauma Data Standard (NTDS) webpage. The NTDS standard is the base data set for Tennessee's trauma registry data dictionary.

<https://www.facs.org/quality-programs/trauma/quality/national-trauma-data-bank/national-trauma-data-standard/>

The data elements below and corresponding definitions are contained in the most recent version of the NTDS data dictionary.

DEMOGRAPHIC INFORMATION

Patient's home zip/postal code

Patient's home country

Patient's home state

Patient's home county

Patient's home city

Alternate home residence

Date of Birth

Age

Age units

Race

Ethnicity

Sex assigned at birth

Gender

Gender-affirming hormone therapy

INJURY INFORMATION

Injury incident date

Injury incident time

Work-related

Patient's occupational industry

Patient's occupation

ICD-10 primary external cause code

ICD-10 place of occurrence external cause code

ICD-10 additional external cause code

Incident location zip/postal code

Incident country

Incident state

Incident county

Incident city

Protective devices

Child specific restraint



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Airbag deployment

PRE-HOSPITAL INFORMATION

Transport mode
Other transport mode
EMS patient care report universally unique identifier (uuid)
Inter-Facility transfer
Pre-hospital cardiac arrest
Intubation prior to arrival
Intubation location

EMERGENCY DEPARTMENT INFORMATION

Highest activation
Trauma surgeon arrival date
trauma surgeon arrival time
ED/hospital arrival date
ED/hospital arrival time
Initial ED/hospital systolic Blood pressure
Initial ED/hospital pulse rate
Initial ED/hospital temperature
Initial ED/hospital respiratory rate
Initial ED/hospital respiratory assistance
Initial ED/hospital oxygen saturation
Initial ED/hospital supplemental oxygen
Initial ED/hospital GCS-eyes
Initial ED/hospital GCS-verbal
Initial ED/hospital GCS-motor
Initial ED/hospital GCS-total
Initial ED/hospital GCS-assessment qualifiers
Initial ED/hospital GCS-40 eyes
Initial ED/hospital GCS-40 verbal
Initial ED/hospital GCS-40 motor
Initial ED/hospital height
Initial ED/hospital weight
Drug screen
Alcohol screen
Alcohol screen results
ED discharge disposition
ED discharge date
ED discharge time
Primary trauma service type
Primary medical event



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HOSPITAL PROCEDURE INFORMATION

ICD-10 hospital procedures

Hospital procedures start date

Hospital procedure start time

PRE-EXISTING CONDITIONS

Advance directive limiting care

Alcohol use disorder

Anticoagulant therapy

Attention deficit disorder/attention deficit hyperactivity disorder (add/adhd)

Autism spectrum disorder (asd)

Bipolar i/ii disorder

Bleeding disorder

Brochopulmonary dysplasia/chronic lung disease

Cerebral vascular accident (CVA)

Chronic obstructive pulmonary disease (COPD)

Chronic renal Failure

Cirrhosis

Congenital anomalies

Congestive heart Failure (CHF)

Current smoker

Currently receiving chemotherapy for cancer

Dementia

Diabetes mellitus

Disseminated cancer

Functionally dependent health status

Hypertension

Major depressive disorder

Myocardial infarction (MI)

Other mental/personality disorders

Peripheral arterial disease (PAD)

Post-traumatic stress disorder (PTSD)

Pregnancy

Prematurity

Schizoaffective disorder

Schizophrenia

Steroid use

Substance use disorder

Ventilator dependence

DIAGNOSIS INFORMATION

ICD-10 injury diagnoses

AIS code



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AIS version

HOSPITAL EVENTS

Acute kidney injury (AKI)
Acute respiratory distress syndrome (ARDS)
Alcohol withdrawal syndrome
Cardiac arrest with CPR
Catheter-associated urinary tract infection (CAUTI)
Central line-associated Bloodstream infection (CLABSI)
Deep surgical site infection
Deep vein thrombosis (DVT)
Delirium
Myocardial infarction (MI)
Organ/space surgical site infection
Osteomyelitis
Pressure ulcer
Pulmonary embolism (PE)
Severe sepsis
Stroke/CVA
Superficial incisional surgical site infection
Unplanned admission to the ICU
Unplanned intubation
Unplanned return to the operating room
Ventilator-associated pneumonia (VAP)

OUTCOME INFORMATION

Total ICU length of stay
Total ventilator days
Hospital discharge disposition
Hospital discharge date
Hospital discharge time

FINANCIAL INFORMATION

Primary method of payment

TQIP MEASURES FOR PROCESSES OF CARE

Highest GCS total
Highest GCS motor
GCS assessment qualifier component of highest GCS total
Highest GCS-40 motor
Initial ED/hospital pupillary response
Midline shift
Cerebral monitor



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Cerebral monitor date
Cerebral monitor time
Venous thromboembolism prophylaxis type
Venous thromboembolism prophylaxis date
Venous thromboembolism prophylaxis time
Packed red blood cells
Whole Blood
Plasma
Platelets
Cryoprecipitate
Angiography
Embolization site
Angiography date
Angiography time
Surgery for hemorrhage control type
Surgery for hemorrhage control date
Surgery for hemorrhage control time
Withdrawal of life supporting treatment
Withdrawal of life supporting treatment date
Withdrawal of life supporting treatment time
Antibiotic therapy
Antibiotic therapy date
Antibiotic therapy time

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