

**Utah Trauma Registry  
Data Dictionary  
Release 3.2**

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## **Acknowledgements**

The success of any trauma system is measured by the monitoring, evaluation and quality improvement at the pre-hospital, hospital and system level. A system must be able to monitor its performance and to assess its impact on trauma mortality and morbidity. This requires continuous evaluation of operations, demonstrations that the system is meeting its stated goals, and the documentation of system performance.

The Utah Department of Health, Bureau of Emergency Medical Services (EMS) is implementing a statewide trauma registry to track trauma patients. Trauma data will be submitted to the Bureau of EMS for review of system criteria. The data dictionary that follows will provide definitions for the consistent interpretation of the data elements throughout the data collection process.

The Bureau of EMS would like to express its sincere appreciation and gratitude to the members of the Utah Trauma Users Group who gave unselfishly of their time and expertise to develop this data dictionary. This document represents many hours of Discussion/Uses and participation by hospital personnel and data experts.

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## Introduction

Traumatic injury, both accidental and intentional, is the leading cause of death in the first four decades of life, according to the U.S. Department of Health and Human Services. Trauma typically involves young adults and results in the loss of more productive work years than both cancer and heart disease combined. Each year, more than 140,000 Americans die and approximately 80,000 are permanently disabled as a result of injury. The loss of productivity and health care costs account for 100 billion dollars annually.

Research provides evidence of the effectiveness of trauma and emergency medical services (EMS) systems in reducing mortality, morbidity, and lost productivity from traumatic injuries. However, according to the Centers for Disease Control and Prevention, studies of conventional trauma care show that as many as 35% of trauma patient deaths could have been prevented if optimal acute care had been available.

The American College of Surgeons Committee on Trauma (ACS COM) publication, "*Resources of Optimal Care of the Injured Patient*", recommends the development and implementation of *inclusive* trauma systems, which address the needs of injured patients, regardless of where they are injured and where they receive care. Ideally, inclusive trauma systems maximize the potential of the identified system components: prevention; access; acute hospital care; rehabilitation; and research activities, to provide optimal trauma care. By focusing on developing inclusive trauma systems of care, rather than individual trauma centers, we acknowledge that few individual facilities can provide all resources to all patients in all situations.

Given that death and disability from traumatic injuries are highly preventable, the Utah Department of Health convened a Trauma System Task Force in 1993 to assist in the development of a Utah Trauma System Plan. The Task Force modeled the plan after the National Model Trauma Plan, which provides a basic framework and defines essential system components. A key component of the plan, enabling legislation, plus an ongoing appropriation of the trauma plan was accomplished in the 2000 Utah Legislative Session. This has allowed the Bureau of EMS to move forward in the implementation of the trauma plan.

The Utah Trauma System Plan is designed to help policy makers, health care providers, and community organizations establish a coordinated approach to trauma care and prevention. The plan allows local hospitals to determine what level of resources they wish to provide to their community. Ultimately, the goals of the Utah Trauma System Plan are to reduce mortality and morbidity from traumatic injuries through a comprehensive process that encourages the cooperation and coordination of all health care providers.

The Intermountain Injury Control Research Center (IICRC) will assist in system development, public information, evaluation and quality improvement, injury prevention and research components of the Utah Trauma System Plan. The IICRC will help establish a coordinated effort to thoroughly assess the operation of the current trauma system. Since all hospitals are to submit trauma data to the Bureau of EMS in perpetuity, the IICRC will act as the data repository and provide assistance in the development of the statewide trauma data collection system. The data collection system will provide a foundation for data-driven prevention activities and system quality improvement.

The initial charge given to the IICRC is to develop a confidential and secure database that aggregates data for traumatically injured patients presenting to all hospitals in Utah. The data system will eventually incorporate prehospital as well as rehabilitation data. Feedback reports available to all hospitals will include aggregate data and will be tailored to meet the needs of each hospital participating in the Utah Trauma System. The ultimate goal of this data collaboration is to better define what resources are needed to provide optimal care of the injured patient within an appropriately designed and funded system of care.

## Patient Inclusion Criteria

### Section A: Inclusion Criteria

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For the purpose of consistent data collection for the Utah Trauma Registry, except for patients defined in the **Exclusionary Criteria** in Section B below, a trauma patient is defined as a patient sustaining a traumatic injury requiring medical care for that injury within 30 days from the injury date and at least one of the following conditions associated with the medical care received:

- Hospital admission lasting for at least 2 days; or
- Patient transfer via EMS transport from one hospital to another hospital; or
- Death resulting from the traumatic injury (independent of hospital admission, transfer, or EMS-transport); or
- Patient transport by air ambulance (including death in transport and patients flown in but not admitted to the hospital).

#### **AND**

At least one of the following injury diagnostic codes defined in the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM):

- 800—959.9, except for late effects or foreign bodies, listed in Section C below
- 995.50, 995.53, 995.54, 995.55, 995.59 (child maltreatment or abuse), or
- 760.5 (fetus or new born affected by trauma), or
- 641.8 (antepartum history due to trauma), or
- 518.5 (pulmonary insufficiency following trauma).

### Section B: Exclusion Criteria

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Patients to be excluded from entry into the Utah Trauma Registry meet ALL the following conditions. :

- 65 years of age or older, and
- Injury due to same level fall (ICD9 E-code is 885.9), and
- Isolated extremity injury (includes hips but not pelvis)

**Section C: Excluded ICD-9 codes in the 800 – 959.9 range**

Patients with only the following ICD-9-CM codes, and no other codable injury, do not qualify for entry in the Utah Trauma Registry:

Effects of foreign body entering through orifice (930-939)

Late effects of injuries, poisonings, toxic effects, and other external causes (905-909)

Contusions, abrasions, etc. (910-924)

**Section D: Included ICD-9 codes in the 800—959.9 range**

Fracture (800-829)

    Fracture of the skull (800-804)

    Fracture of the neck and trunk (805-809)

    Fracture of upper limb (810-819)

    Fracture of lower limb (820-829)

Dislocation (830-839)

Sprain and strains of joints and adjacent muscles (840-848)

Intracranial injury, excluding those with skull fracture (850-854)

Internal injury of thorax, abdomen, and pelvis (860-869)

Open wound of head, neck, and trunk (870-879)

Open wound of upper limb (880-887)

Open wound of lower limb (890-897)

Injury to blood vessels (900-904)

Superficial injury (910-919)

Contusion with intact skin surface (920-924)

Crushing injury (925-929)

Burns (940-949)

Injury to nerves and spinal cord (950-957)

Certain complications and unspecified injuries (958-959)

## **A. Demographic Data**

## **A1. Tracking Number**

Definition	Part 1 of the two-part unique case identifier. It is the sequential number assigned by the registry software program or registrar that provides a unique identifier for a patient within a specific institution.
Software Field Name	TRACKING_NO
Data Type	Numeric (Single entry allowed)
Values	Minimum of 1-digit number through a maximum of 12-digit number.
Discussion/Uses	Along with the <b>Hospital Number</b> , this number provides a unique identifier for a patient across the Utah Trauma Registry.
EDITS	NONE
EXPORT	TRACKING_NO (0)

## **A2. Hospital Number**

Definition	Part 2 of the two-part unique case identifier. It is the three digit numeric code assigned to your hospital. The combination of Trauma Registry Number and Hospital Number must be unique to the state database.
Software Field Name	INSTITUTE_NO
Data Type	Integer (Single entry allowed)
Values	Your hospital code. the trauma registry software will be defaulted to bring up the code for your hospital.  Hospital codes are assigned by the Utah Department of Health. The list of codes can be found in <b>Error! Reference source not found.</b> , page <b>Error! Bookmark not defined.</b>
Discussion/Uses	Along with the <b>Tracking Number</b> , this number provides a unique identifier for a patient across the Utah Trauma Registry.
EDITS	UT.A2S; UT.A2SV
EXPORT	INSTITUTE_NO_SRC (0)

**A3. Sex**

Definition	The patient's sex.
Software Field Name	SEX
Data Type	Character (Single entry allowed)
Values	F Female M Male UNK Unknown (either inadequate or no documentation)
Discussion/Uses	The patient's sex is standard demographic information used in epidemiologic analyses.
EDITS	UT.A3; UT.A3S
EXPORT	SEX_SRC (9)

#### **A4. Medical Record Number**

Definition	The patient's medical record number or any number that uniquely identifies the patient.
Software Field Name	MEDICAL_RECORD_NUMBER
Data Type	Integer (Single entry allowed)
Values	Can be any value as long as the length does not exceed 15 characters.
Discussion/Uses	This data element is for audit and linking purposes only and will never be made public.
EDITS	UT.A4
EXPORT	MEDICAL_RECORD_NUMBER (2)

## **A5. Social Security Number**

Definition	The patient's Social Security Number.
Software Field Name	SOCIAL_SECURITY_NUMBER
Data Type	Character (Single entry allowed)
Values	9-digit Social Security Number  NA Not applicable (patient is from a foreign country or does not have a social security number)  UNK Unknown (either inadequate or no documentation)
Discussion/Uses	This number is used to match patient records when they are seen at more than one hospital and may be useful for linkage with other data systems. This number is never made public.
EDITS	UT.A5
EXPORT FIELD	SOCIAL_SECURITY_NUMBER (139)

## **A6. Patient Zip Code**

Definition	The patient's zip code at usual place of residence, if the patient lives in the United States or Canada.
Software Field Name	ZIP_CODE
Data Type	Character (Single entry allowed)
Values	United States 5 or 9 Digit Zip Code (without dashes) or Canadian Zip Code  NA Not applicable (not US or Canadian Resident)  UNK Unknown (either inadequate or no documentation)
Discussion/Uses	This data element provides useful data to assist with public health intervention, identify populations at risk, and link patients with census data so injury rates can be calculated.
EDITS	UT.A6
EXPORT FIELD	ZIP_CODE (183)

**A7. Date of Birth**

Definition The patient’s date of birth.

Software Field Name DOB

Data Type Date - mmddyyyy (Single entry allowed)

Values Valid date (“/”s and “-”s not needed in data entry)

If the patient was born on July 15, 1942, the **Date of Birth** would be entered as 07151942.

Month:

01	January	07	July
02	February	08	August
03	March	09	September
04	April	10	October
05	May	11	November
06	June	12	December

Day: 01-31

Year: The year must be 4-digits, i.e.: 2001

UNK Unknown (either inadequate or no documentation)

Discussion/Uses This data element is used to calculate patient **Age** at time of injury, if both **Date of Birth** and **Injury Date** are known. If **Date of Birth** is unknown or undocumented, enter UNK and then enter estimated or actual patient’s age in the **Age** field. Either **Date of Birth** or **Age** must be entered.

EDITS UT.A7

EXPORT FIELD DOB (6)

## **A8. Age**

Definition	The patient's age at the time of injury.
Software Field Name	AGE_NUMBER
Data Type	Integer (Single entry allowed)
Values	Range: 00-120  Value for age in the appropriate unit selected. See A8. <b>Age Unit</b> .  <i>If <b>Date of Birth</b> is unknown, <b>Age</b> may be estimated.</i>
Discussion/Uses	If you have a value entered for <b>Date of Birth</b> and <b>Injury Date</b> (see B2), Trauma registry software will calculate the <b>Age</b> and <b>Age Unit</b> for you. If either the <b>Date of Birth</b> or the <b>Injury Date</b> are unknown, then you must enter the actual or estimated <b>Age</b> and <b>Age Unit</b> .  This data element provides useful data to assist with public health intervention, identify populations at risk, and rates of injury among age groups.
EDITS	UT.A8
EXPORT FIELD	AGE_NUMBER (7)

## **A9. Age Unit**

Definition	The time increment in which the value for age is counted. This data element is used to qualify <b>Age</b> .
Software Field Name	AGE_UNITS
Data Type	Character (Single entry allowed)
Values	<p>If not automatically calculated from <b>Date of Birth</b> and <b>Injury Date</b> because either one or both are unknown, enter:</p> <p>Y      Years: if actual or estimated <b>Age</b> is 3 years or older.</p> <p>M      Months: if actual or estimated <b>Age</b> is 3 months or older but less than 3 years.</p> <p>W      Weeks: if actual or estimated <b>Age</b> is 3 weeks or older but less than 3 months.</p> <p>D      Days: if actual or estimated <b>Age</b> is 3 weeks or younger.</p> <p>For example, patient can be either 3 years, 2 months, 2 weeks, or 2 days old.</p>
Discussion/Uses	If you have a value entered for <b>Date of Birth</b> and <b>Injury Date</b> , Trauma registry software will calculate the <b>Age</b> and <b>Age Unit</b> for you. If either the <b>Date of Birth</b> or the <b>Injury Date</b> are unknown, then you must enter the actual or estimated <b>Age</b> and <b>Age Unit</b> .
EDITS	UT.A9
EXPORT_FIELD	AGE_UNITS (8)

## **B. Event Data**

## **B1. Injury Time**

Definition The time of day the patient was injured as documented in medical record.

Software Field Name INJURY\_TIME

Data Type Military Time - hh:mm (Single entry allowed)

Values Range: 00:00 to 23:59 (actual or reliably estimated time of injury)

For example, if the patient was injured at 12:30 A.M., the value would be 00:30.

UNK Unknown (either inadequate or no documentation)

Discussion/Uses Convert time to the time zone in which your facility is located, if not already done so. Preferable to use EMS documented time. Record UNK if time of injury cannot be reliably estimated.

When a patient is injured while already an inpatient for another reason, record the **Injury Time** accurately. The **Hospital Arrival Time** and **Inpatient Admission Time** will also need to be recorded as this **Injury Time**, not the initial hospital admission time that put them in the hospital to begin with.

This is a critical field for many other calculations. This data element is used to calculate time-lapse from **Injury Date/Time** to **Hospital Arrival Date/Time** and if applicable, **Inpatient Admission Date/Time**.

EDITS UT.B1

EXPORT FIELD INJURY\_TIME (21)

**B2. Injury Date**

Definition The earliest date associated with trauma event that caused the patient to be injured. All treatment dates must be equal to or after the **Injury Date**.

Software Field Name INJURY\_DATE

Data Type Date - mmddyyyy (Single entry allowed)

Values Valid date (“/”s and “-”s not needed in data entry)

Month:

01	January	07	July
02	February	08	August
03	March	09	September
04	April	10	October
05	May	11	November
06	June	12	December

Day: 01-31

Year: The year must be 4-digits, i.e.: 2001

UNK Unknown (either inadequate or no documentation)

Discussion/Uses The patient’s **Injury Date** must be within 30 days prior to the **Hospital Arrival Date** for this patient to meet the criteria for inclusion into the Utah Trauma database.

When a patient is injured while already an inpatient for another reason, record the **Injury Date** accurately. The **Hospital Arrival Date** and **Inpatient Admission Date** will also need to be recorded as this **Injury Date**, not the initial hospital admission date which put them in the hospital to begin with.

This is a critical field for many other calculations. This data element is used to calculate time-lapse from **Injury Date/Time** to **Hospital Arrival Date/Time** and if applicable, **Inpatient Admission Date/Time**.

EDITS UT.B2

EXPORT FIELD INJURY\_DATE (22)

### B3. Cause Code

Definition	The mechanism or external factor that caused the trauma injury event.																																												
Software Field Name	CAUSE_CODE																																												
Data Type	Character (Single entry allowed)																																												
Values	<p>Since only one value can be entered, select the cause code that is most relevant to patient injury. For example, if a person was attacked by a dog and sustained moderate bites, and then fell 20 feet resulting in a severe head injury, then select the code that caused the most significant trauma; in this case the fall.</p> <table border="0"> <tr><td>Animal</td><td>Animal related</td></tr> <tr><td>Assault</td><td>Assaulted by another person (excludes gunshot or stabbing assault)</td></tr> <tr><td>Bike</td><td>Bicycle crash (includes bicycle vs. MV)</td></tr> <tr><td>Burn</td><td>Burn (electric, thermal or chemical)</td></tr> <tr><td>Caught</td><td>Crushed or Caught between objects</td></tr> <tr><td>Dive</td><td>Diving related</td></tr> <tr><td>Explosion</td><td>Explosive force</td></tr> <tr><td>Fall</td><td>Fall (from one level to another or ground level)</td></tr> <tr><td>FB</td><td>Foreign Body</td></tr> <tr><td>GSW</td><td>Gunshot wound</td></tr> <tr><td>Hanging</td><td>Hanging</td></tr> <tr><td>Machine</td><td>Farm or heavy equipment <u>or power tools</u></td></tr> <tr><td>MC</td><td>Motorcycle crash (includes MC vs. MV)</td></tr> <tr><td>MV</td><td>Motor vehicle crash</td></tr> <tr><td>OV</td><td>Other vehicular cause (includes ATV-3-wheel or 4-wheel)</td></tr> <tr><td>Other</td><td>Other cause not listed</td></tr> <tr><td>Pedestrian</td><td>Pedestrian (not bicycle vs. MV)</td></tr> <tr><td>Struck</td><td>Struck against object</td></tr> <tr><td>Smoke</td><td>Smoke inhalation</td></tr> <tr><td>Sport</td><td>Sporting injury</td></tr> <tr><td>Stab</td><td>Stab wound (includes cut, slice or pierce)</td></tr> <tr><td>UNK</td><td>Unknown (either inadequate or no documentation)</td></tr> </table>	Animal	Animal related	Assault	Assaulted by another person (excludes gunshot or stabbing assault)	Bike	Bicycle crash (includes bicycle vs. MV)	Burn	Burn (electric, thermal or chemical)	Caught	Crushed or Caught between objects	Dive	Diving related	Explosion	Explosive force	Fall	Fall (from one level to another or ground level)	FB	Foreign Body	GSW	Gunshot wound	Hanging	Hanging	Machine	Farm or heavy equipment <u>or power tools</u>	MC	Motorcycle crash (includes MC vs. MV)	MV	Motor vehicle crash	OV	Other vehicular cause (includes ATV-3-wheel or 4-wheel)	Other	Other cause not listed	Pedestrian	Pedestrian (not bicycle vs. MV)	Struck	Struck against object	Smoke	Smoke inhalation	Sport	Sporting injury	Stab	Stab wound (includes cut, slice or pierce)	UNK	Unknown (either inadequate or no documentation)
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Discussion/Uses	The ICD-9-CM <b>E-Code</b> data element is a multiple value field. All causes of injury can be included in that field.																																												
EDITS	UT.B3; UT.B3.S; UT.B3SV																																												
EXPORT FIELD	CAUSE_CODE_SRC (76)																																												

#### **B4. Trauma Type**

Definition	The type of force that caused the injury.	
Software Field Name	TRAUMA_TYPE	
Data Type	Character (Single entry allowed)	
Values	B	Blunt -Injury caused by diffuse force
	P	Penetrating - Injury caused by point force ONLY
	Burn	Burn - Injury caused by burn (Electrical, Chemical, Thermal)
Discussion/Uses	If both blunt and penetrating force were present, select the type of trauma that caused the highest Injury Severity Score.	
EDITS	UT.B4; UT.B4S; UT.B4L	
EXPORT FIELD	TRAUMA_TYPE_SRC (52)	

**B5. Work Related**

Definition	Indicates if a patient was at work or working when <i>trauma event</i> occurred. <i>Trauma event</i> is defined as the injury-producing event or illness-producing exposure that precipitated the patient’s traumatic injury.
Software Field Name	INDUST_ACC
Data Type	Character (Single entry allowed)
Values	<p>Y Yes, patient was working when trauma event occurred.</p> <p>N No, patient was not working when trauma event occurred.</p> <p>NA Not applicable (child, unemployed, retiree)</p> <p>UNK Unknown (either inadequate or no documentation).</p>
Discussion/Uses	<p><b>Work Related</b> comprises manual or professional work for salary, bonus, other types of income or duties for which one would not normally gain an income. Use best judgment as to whether patient was working or not. This data element may be used to gather information about the incidence of work-related injuries and may be useful in the planning and development of work-related injury prevention programs.</p> <p><b>Work Related <i>Includes:</i></b></p> <ul style="list-style-type: none"> <li>Apprentice and vocational activity</li> <li>Breaks on employer premises (in hallway, rest room, cafeteria, storage area)</li> <li>Working on, arriving at, or leaving employer parking lot</li> <li>Work for pay or compensation at home</li> <li>Working in family business, including family farm (activity should clearly be related to profit-oriented business)</li> <li>Traveling on business, including to/from customer/business contacts</li> <li>Volunteer work and domestic duties such as caring for children and relatives, cleaning, cooking, gardening, and household maintenance</li> </ul> <p><b>Work Related <i>Excludes:</i></b></p> <ul style="list-style-type: none"> <li>Engaged in recreational activities on employer controlled facilities</li> <li>Visiting for non-work purposes, not on official business</li> <li>Homemaker working at homemaking activities</li> <li>Working of self-non profit, i.e. mowing lawn, repairing own roof, hobby or recreation activity</li> <li>Student engaged in school activities</li> <li>Operating vehicle (personal or commercial) for non-work purposes</li> <li>Commuting to or from work site</li> <li>Illicit work, e.g. drug trafficking</li> <li>Learning activities, attending school or lesson, undergoing education</li> </ul>
EDITS	UT.B5; UT.B5S
EXPORT FIELD	INDUST_ACC_SRC (216)

**B6. Exact Location**

Definition	The exact location or specific area where injury occurred. If available, map coordinates are preferred.
Software Field Name	LOCALE
Data Type	Character/Free text field
Values	All values are allowed.
Discussion/Uses	If available, this data element is useful in describing the exact location of the injury and can be used with other injury location data to map “hotspots” in which injury prevention programs can be targeted.
EDITS	UT.B6
EXPORT FIELD	LOCALE (88)

## **B7. Injury Zip Code**

Definition	The zip code of the injury site.
Software Field Name	INJURY_ZIP
Data Type	Character (Single entry allowed)
Values	United States 5 or 9 Digit Zip Code (without dashes) or Canadian Zip Code  NA Not applicable (not US or Canadian Resident)  UNK Unknown (either inadequate or no documentation).
Discussion/Uses	Record zip code only if zip code of injury is listed in the medical record or if town/city of injury noted in medical record covers an entire zip code area. If unsure, use software to lookup zip code for the town/city of injury. It is suspected that some cases will have inadequate documentation on this variable, thus "UNK" is always a valid answer.
EDITS	UT.B7
EXPORT FIELD	INJURY_ZIP (219)

**B8. Injury County/State**

Definition The county where the patient was injured if the patient was injured in Utah or the state where the patient was injured if the patient was injured outside the state of Utah.

Software Field Name COUNTY\_STATE

Data Type Character (Single entry allowed)

Values Choose County or State (excluding the number) from the following list.

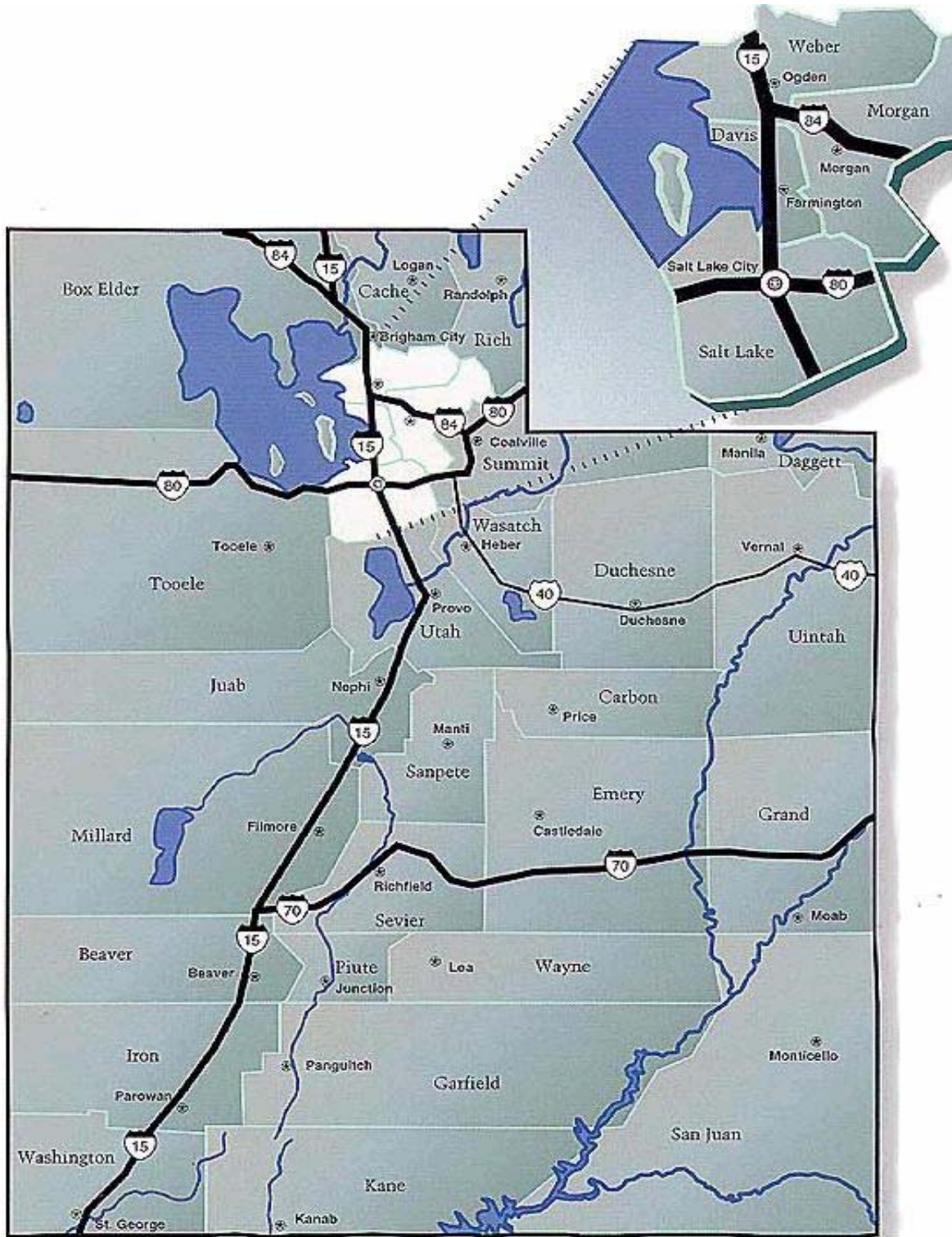
<b><u>COUNTIES</u></b>		SEVIER	21
BEAVER	01	SUMMIT	22
BOX_ELDER	02	TOOELE	23
CACHE	03	UINTAH	24
CARBON	04	UTAH CO.	25
DAGGETT	05	WASATCH	26
DAVIS	06	WASHINGTON	27
DUCHESNE	07	WAYNE	28
EMERY	08	WEBER	29
GARFIELD	09	<b><u>STATES</u></b>	
GRAND	10	ARIZONA	70
IRON	11	COLORADO	71
JUAB	12	IDAHO	72
KANE	13	MONTANA	73
MILLARD	14	NEVADA	74
MORGAN	15	NEW_MEXICO	75
PIUTE	16	WYOMING	76
RICH	17	OTHER_STATE	77
SALT_LAKE	18	NA-(OUTSIDE US)	88
SAN_JUAN	19	UNKNOWN (EITHER	99
SANPETE	20	INADEQUATE OR	
		NO	
		DOCUMENTATION)	

*Utah Trauma Registry Data Dictionar*  
*Event Data*

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Discussion/Uses	Provides useful data to assist with public health intervention, identify populations at risk, focus injury prevention programs, and assess transport issues.
EDITS	UT.B8; UT.B8S
EXPORT FIELD	COUNTY_STATE_SRC (121)



## **B9. Town**

Definition	The city/town of the injury site. If injury site is not in city/town limits, the nearest city/town to the injury site.
Software Field Name	NEAREST_TOWN
Data Type	Character/Free text field
Values	All values are allowed.
Discussion/Uses	This is not the city/town of the nearest hospital.  Along with <b>Injury Zip</b> , this data element is used to calculate local fatality/injury rates using available population data, to help identify “hotspots” and local agencies to conduct public health interventions, to gain information about the socioeconomic status of the neighborhoods in which injuries occur (by use of US Census data),
EDITS	UT.B9
EXPORT FIELD	NEAREST_TOWN (81)

**B10. Location E-Code**

Definition The type of place where the injury occurred.

Software LOCATION  
 Field  
 Name

Data Type Numeric (Single entry allowed)

Values Range: 849.0-849.9 (Use ICD-9-CM E849 place of occurrence codes. Do not submit the E prefix.)

**HOME** 849.0

**Includes:** apartment, boarding house, farm house, home premises, house (residential), non-institutional place of residence, private [driveway, garage, garden, home, walk], swimming pool in private house or garden, yard of home), retirement community

**Excludes:** home under construction but not yet occupied (849.3), institutional place of residence (849.7)

**FARM** 849.1

**Includes:** buildings, land under cultivation

**Excludes:** farm house and home premises of farm (849.0)

**MINE** 849.2  
 (and quarry)

**Includes:** gravel pit, sand pit, tunnel under construction

**WORK** 849.3  
 (Industrial place and premises)

**Includes:** building under construction, dockyard, dry dock, factory building or premises, garage (place of work), industrial yard, loading platform (factory or store), industrial plant, railway yard, shop (place of work), warehouse, workhouse, any work site

**REC** 849.4  
 (Place for recreation and sport)

**Includes:** amusement park, baseball field, basketball court, beach resort, cricket ground, fives court, football field, golf course, gymnasium, hockey field, holiday camp, ice palace, lake resort, mountain resort, public park, racecourse, resort NOS, riding school, rifle range, seashore resort, skating rink, sports ground, sports palace, stadium, swimming pool (public), tennis court, vacation resort

**Excludes:** playground (including school playground) (PLAY), that in private house or garden (849.0)

**STREET** 849.5

**Includes:** Street and Highway

<b>PUBLIC</b> (Public Building)	849.6	<b>Includes:</b> building (including adjacent grounds) used by the general public or by a particular group of the public, such as: airport, bank, cafe, casino, church, cinema, clubhouse, courthouse, dance hall, garage building (for car storage), hotel, market (grocery or other commodity), movie house, music hall, nightclub, office, office building, opera house, post office, public hall, radio broadcasting station, restaurant, shop - commercial, station (bus, railway), store, theater  <b>Excludes:</b> home garage (849.0), industrial building or workplace (849.3), school -state, public, private (SCHOOL),
<b>RES</b> (Residential institution)	849.7	<b>Includes:</b> children's home, dormitory, hospital, jail, old people's home, orphanage, prison, reform school, shelter, protective services, nursing home
<b>OTHER</b> (Other specified place)	849.8	<b>Includes:</b> beach NOS, canal, caravan site NOS, derelict house, desert, dock, forest, harbor, hill, lake NOS, mountain, parking lot, parking place, pond or pool (natural), prairie, public place NOS, railway line, reservoir, river, sea, seashore NOS, stream, swamp, trailer court, woods, national park
<b>PLAY</b>		<b>Includes:</b> playground (including school playground)
<b>SCHOOL</b>		<b>Includes:</b> school -state, public, private
<b>UNK</b> (Unspecified place)	849.9	

Discussion/Uses This data element describes the site itself regardless of the patient's reason for being there. For example: The code for a patient who works at a ski resort and is injured there would be "rec. and sport" not industrial.

For Utah Trauma Registry purposes, additions have been made to some categories. "Retirement community" has been added to Home (849.0). "Any work site" has been added to Industrial place and premises (849.3). "Shelter, protective services, and nursing home" have been added to Residential institution (849.7).

This data element is useful in describing the injury-producing event and is valuable for planning and evaluating prevention programs.

EDITS UT.B10; UT.B10S  
 EXPORT FIELD LOCATION\_SRC (145)

## **B11. Injury Details**

Definition	The details of the injury. This can be any supporting or supplemental data about the injury, environmental conditions, other circumstances, etc.
Software Field Name	INJURY_DETAILS
Data Type	Character/Free text field
Values	All values are allowed. Enter the details of the injury. This information should not repeat information contained in other fields.
Discussion/Uses	This data element helps to better convey the context of the injury event and to include important information such as intentionality that is not otherwise captured in the other data elements.
EDITS	UT.B11
EXPORT FIELD	INJURY_DETAILS (77)

**B12. E-Codes (External-cause-of-injury codes)**

Definition	The ICD-9-CM external cause of injury code(s) for the event(s) or circumstance(s) that was/were most responsible for the principal anatomic injury to the patient.
Software Field Name	CAUSE_E_CODES
Data Type	Numeric (Multiple values allowed)
Values	Range: E800.0—E999 (Do not submit the E prefix.)  E988.9 Injury by unspecified means (Unknown or Undocumented)  See E-Codes found in the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) for available value codes.
Discussion/Uses	This field cannot be left blank. If medical chart lists E-Code(s), record the code(s) starting with the one most relevant to the cause of injury. If no E-codes are found in medical chart, code using software code-finder lookup.  This data element permits classification of environmental events, circumstances, and conditions as the cause of injury, poisoning, and other adverse effects.
EDITS	UT.B12
EXPORT FIELD	CAUSE_E_CODES (125)

**B13. Protective Devices**

**Definition** The protective/safety devices(s) in use or worn by the patient at the time of the injury. May be by report of the victim, a witness, or police report.

**Software Field Name** PROTECTIVE\_DEVICES

**Data Type** Character (Multiple values allowed)

**Values** Enter all that apply.

- AIR Airbag not specified
- AIR.D Driver side airbag
- AIR.P Passenger side airbag
- AIR.S Side airbag
- BELT Unspecified seat or shoulder safety belt
- BELT.2PT 2 Point (lap OR shoulder only) safety belt
- BELT.3PT 3 Point (lap AND shoulder) safety belt
- CHILD Child restraint
- FLOAT Flotation device
- GLASS Protective eyewear
- HEL Helmet
- OTHER Other protective device
- PAD Protective padding or clothing
- NONE No safety belt, child restraint, airbag, helmet, or other personal protective devices used
- UNK Unknown (either inadequate or no documentation)
- NA Not applicable (Patient was not injured under circumstances where use of personal protective devices was warranted.)

**Discussion/Uses**

**EDITS** UT.B13; UT.B13S; UT.B13SV

**EXPORT\_FIELD** PROTECTIVE\_DEVICES\_SRC (80)

## **C. Referring Hospital Data**

## **C1. Hospital Transfer**

Definition	A flag used to indicate the patient was transferred from an initial acute care hospital to your hospital. <u>A patient sent to your hospital from a private doctor's office, clinic, or stand-alone ambulatory surgery center or sent to your hospital by non-EMS transport is <b>not</b> a transfer.</u>
Software Field Name	HOSPITAL_TRANSFER
Data Type	Character (Single entry allowed)
Values	Y Yes, the patient was transferred to our hospital from another acute care hospital <u>via EMS transport</u> .  N No, the patient was not transferred to our hospital from another hospital <b>or</b> the patient was transferred to our hospital from a doctor's office, clinic, or stand-alone ambulatory surgery center <b>or</b> non-EMS provider transferred patient.
Discussion/Uses	This data element must be answered. If the answer to this field is 'N', the remaining data elements in this section should be answered 'NA' (Not applicable), meaning the patient is not a transfer therefore the referring hospital data elements do not apply. the trauma registry software will do an auto-fill of 'NA' in the fields for this section if the answer to this question is 'N'.
EDITS	UT.C1
EXPORT FIELD	HOSPITAL_TRANSFER (136)

## **C2. Transport Mode into Referring Hospital**

Definition	The mode of transport into the referring hospital. From this point on, “referring hospital” is defined as the hospital that referred the patient to your hospital.
Software Field Name	TRANSFER_MODE
Data Type	Character (Single entry allowed)
Values	<p>AMB Ground ambulance</p> <p>FIX Fixed wing air</p> <p>HELI Helicopter</p> <p>LAW Law enforcement (Non-EMS)</p> <p>COM Commercial transportation/taxi (Non-EMS)</p> <p>POV “Per other vehicle” (private vehicle, walk-in, bus, non-EMS)</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer = 'N'</b>)</p>
Discussion/Uses	<p>Patient may be transported into referring hospital via non-EMS provider. However, in order to meet Utah Trauma Registry inclusion criteria, patient must be transferred out of referring facility to ED/admitting hospital via EMS transport.</p> <p>This data can be found on the medical record information that accompanies the patient from the referring hospital.</p>
EDITS	UT.C2; UT.C2S
EXPORT FIELD	TRANSFER_MODE_SRC (491)

### **C3. Referring Hospital**

Definition	The three digit numeric code assigned to the referring hospital.
Software Field Name	FROM_HOSPITAL
Data Type	Character (Single entry allowed)
Values	<p>Hospital codes are assigned by the Utah Department of Health. The list of codes can be found in <b>Error! Reference source not found.</b>, page <b>Error! Bookmark not defined.</b></p> <p>Codes under 100 (non-hospital codes) are not valid responses for this question.</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, no referring hospital (Trauma registry software will auto-fill this field if <b>Hospital Transfer = 'N'</b>)</p>
Discussion/Uses	<p>This field and the following fields in Section C are conditional. Complete only if the patient was transferred from another hospital to your hospital (if <b>Hospital Transfer = 'Y'</b>)</p> <p>This data can be found on the medical record information that accompanies the patient from the referring hospital.</p> <p>Values under 100 in the hospital code list are clinics, doctor's offices, etc and should not be entered because they do not meet the definition of a <b>Referring Hospital.</b></p>
EDITS	C3; C3S; C3SV
EXPORT FIELD	FROM_HOSPITAL_SRC (168)

#### **C4. Referring Hospital Arrival Time**

Definition	The time the patient arrived at the referring hospital.
Software Field Name	REFERRING_ARRIVAL_TIME
Data Type	Military Time - hh:mm (Single entry allowed)
Values	Range: 00:00 to 23:59 (For example, if the patient arrived at 12:30 A.M., the value would be 00:30.)  UNK Unknown (either inadequate or no documentation)  NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer</b> = 'N')
Discussion/Uses	This data can be found on the medical record information that accompanies the patient from the referring hospital.
EDITS	UT.C4
EXPORT_FIELD	REFEFFING_ARRIVAL_TIME (473)

**C5. Referring Hospital Arrival Date**

Definition	The date the patient arrived at the referring hospital.																								
Software Field Name	REFERRING_ARRIVAL_DATE																								
Data Type	Date – mmddyyyy (Single entry allowed)																								
Values	Valid date (“/”s and “-”s not needed in data entry) Enter the month, day and year of the referring hospital arrival date. <b>Month:</b> <table border="0" style="margin-left: 20px;"> <tr> <td>01</td> <td>January</td> <td>07</td> <td>July</td> </tr> <tr> <td>02</td> <td>February</td> <td>08</td> <td>August</td> </tr> <tr> <td>03</td> <td>March</td> <td>09</td> <td>September</td> </tr> <tr> <td>04</td> <td>April</td> <td>10</td> <td>October</td> </tr> <tr> <td>05</td> <td>May</td> <td>11</td> <td>November</td> </tr> <tr> <td>06</td> <td>June</td> <td>12</td> <td>December</td> </tr> </table> <b>Day:</b> 01-31 <b>Year:</b> The year must be 4-digits, i.e.: 2001 UNK Unknown (either inadequate or no documentation) NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer</b> = 'N')	01	January	07	July	02	February	08	August	03	March	09	September	04	April	10	October	05	May	11	November	06	June	12	December
01	January	07	July																						
02	February	08	August																						
03	March	09	September																						
04	April	10	October																						
05	May	11	November																						
06	June	12	December																						
Discussion/Uses	This data can be found on the medical record information that accompanies the patient from the referring hospital.																								
EDITS	UT.C5																								
EXPORT FIELD	REFERRING_ARRIVAL_DATE (472)																								

## **C6. Referring Hospital Discharge Time**

Definition	The time the patient was discharged from the referring hospital.
Software Field Name	REFERRING_DISCHARGE_TIME
Data Type	Military Time - hh:mm (Single entry allowed)
Values	Range: 00:00 to 23:59 (For example, if the patient was discharged at 12:30 A.M., the value would be 00:30.)  UNK Unknown (either inadequate or no documentation)  NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer</b> = 'N')
Discussion/Uses	This data can be found on the medical record information that accompanies the patient from the referring hospital.
EDITS	UT.C6
EXPORT_FIELD	REFERRING_DISCHARGE_TIME (474)

**C7. Referring Hospital Discharge Date**

Definition	The date the patient was discharged from the referring hospital.																								
Software Field Name	REFERRING_DISCHARGE_DATE																								
Data Type	Date – mmddyyyy (Single entry allowed)																								
Values	Valid date (“/”s and “-”s not needed in data entry) Enter the month, day and year of the referring hospital discharge date. <b>Month:</b> <table border="0" style="margin-left: 20px;"> <tr> <td>01</td> <td>January</td> <td>07</td> <td>July</td> </tr> <tr> <td>02</td> <td>February</td> <td>08</td> <td>August</td> </tr> <tr> <td>03</td> <td>March</td> <td>09</td> <td>September</td> </tr> <tr> <td>04</td> <td>April</td> <td>10</td> <td>October</td> </tr> <tr> <td>05</td> <td>May</td> <td>11</td> <td>November</td> </tr> <tr> <td>06</td> <td>June</td> <td>12</td> <td>December</td> </tr> </table> <b>Day:</b> 01-31 <b>Year:</b> The year must be 4-digits, i.e.: 2001 UNK Unknown (either inadequate or no documentation) NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer</b> = 'N')	01	January	07	July	02	February	08	August	03	March	09	September	04	April	10	October	05	May	11	November	06	June	12	December
01	January	07	July																						
02	February	08	August																						
03	March	09	September																						
04	April	10	October																						
05	May	11	November																						
06	June	12	December																						
Discussion/Uses	This data can be found on the medical record information that accompanies the patient from the referring hospital.																								
EDITS	UT.C7																								
EXPORT FIELD	REFERRING_DISCHARGE_DATE (475)																								

## **C8. Referring Hospital Admission Type**

Definition	The type of admission at referring hospital.
Software Field Name	REFERRING_ADMIT_TYPE
Data Type	Character (Single entry allowed)
Values	A Admitted as an inpatient or to the OR E ED care only UNK Unknown (either inadequate or no documentation) NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer = 'N'</b> )
Discussion/Uses	This data can be found on the medical record information that accompanies the patient from the referring hospital.
EDITS	UT.C8
EXPORT FIELD	REFERRING_ADMIT_TYPE (524)

## **C9. Referring Hospital Pulse Rate**

Definition	The first palpable pulse rate expressed as number per minute initially assessed upon arrival in the referring hospital.
Software Field Name	PREF
Data Type	Integer (Single entry allowed)
Values	Range: 0—400  NOT Not assessed per documentation  UNK Unknown (either inadequate or no documentation)  NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer = 'N'</b> )
Discussion/Uses	This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival in referring hospital. If it is not done in this time period, record NOT.  This data can be found on the medical record information that accompanies the patient from the referring hospital.
EDITS	UT.C9
EXPORT_FIELD	PULSE / TS_NUMBER / TRAUMA_SCORE_LOCATION_CODE (55/166/65)

## **C10. Referring Hospital Respiratory Rate**

Definition	The first unassisted patient respiratory rate expressed as number per minute initially assessed upon arrival in the referring hospital.
Software Field Name	RRREF
Data Type	Character (Single entry allowed)
Values	Range: 0—100  *If patient is apneic prior to intervention, record as 0.  ASSIST Unassisted rate is not measurable due to sedation, paralysis or assisted ventilation (including bag-valve-mask and EOA).  NOT Not assessed (reason other than ASSIST) per documentation  UNK Unknown (either inadequate or no documentation)  NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer</b> = 'N')
Discussion/Uses	This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival in referring hospital. If it is not done in this time period, record NOT.  This data can be found on the medical record information that accompanies the patient from the referring hospital.  The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score, page 159.
EDITS	UT.C10
EXPORT_FIELD	RESP_RATE / TS_NUMBER / TRAUMA_SCORE_LOCATION_CODE (53/166/65)

## **C11. Referring Hospital Systolic Blood Pressure**

Definition	The systolic blood pressure initially assessed upon arrival in the referring hospital.
Software Field Name	SYS_BP
Data Type	Character (Single entry allowed)
Values	Range: 0—300  NOT Not assessed per documentation  UNK Unknown (either inadequate or no documentation)  NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer = 'N'</b> )
Discussion/Uses	<p>This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival in the referring hospital. If it is not done in this time period, record NOT.</p> <p>This data can be found on the medical record information that accompanies the patient from the referring hospital.</p> <p>The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score, page 159.</p>
EDITS	UT.C11
EXPORT FIELD	SYS_BP / TS_NUMBER / TRAUMA_SCORE_LOCATION_CODE (56/166/65)

**C12. Referring Hospital Eye Opening Response**

Definition	The first assessment of the patient’s eye opening response for the Glasgow Coma Score upon arrival in the referring hospital.
Software Field Name	EYE_OPENING
Data Type	Character (Single entry allowed)
Values	<p>Range: 1—4</p> <p><u>Pediatric*</u> eye opening response</p> <p>(*For the purposes of this data element, a pediatric patient is defined as a person &lt;50 kg or 10 years of age and younger.)</p> <p>1 No eye opening</p> <p>2 Eye opening to pain</p> <p>3 Eye opening to verbal command</p> <p>4 Eyes open spontaneously</p> <p><u>Adult</u> eye opening response</p> <p>1 No eye opening</p> <p>2 Eye opening to pain</p> <p>3 Eye opening to verbal command</p> <p>4 Eyes open spontaneously</p> <hr/> <p>NOT Not assessed per documentation</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer</b> = 'N')</p>
Discussion/Uses	<p>This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival in the referring hospital. If it is not done in this time period, record NOT.</p> <p>This data can be found on the medical record information that accompanies the patient from the referring hospital.</p> <p>The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score, page 159.</p>
EDITS	UT.C12
EXPORT_FIELD	EYE_OPENING / TS_NUMBER / TRAUMA_SCORE_LOCATION_CODE (59/166/65)

### C13. Referring Hospital Verbal Response

Definition	The first assessment of the patient's verbal response for the Glasgow Coma Score upon arrival in the referring hospital.
Software Field Name	VERBAL_RESPONSE
Data Type	Character (Single entry allowed)
Values	<p>Range: 1—5</p> <p>*If the patient is intubated and deeply comatose, enter 1. If an intubated patient can respond appropriately, the provider may gauge the responses and assign a 1 (none) to 5 (oriented).</p> <p><u>Pediatric</u> verbal response</p> <p>(*For the purposes of this data element, a pediatric patient is defined as a person &lt;50 kg or 10 years of age and younger.)</p> <p>1 No vocal response</p> <p>2 Inconsolable, agitated</p> <p>3 Inconsistently consolable, moaning</p> <p>4 Cries but is consolable, inappropriate interactions</p> <p>5 Smiles, oriented to sounds, follows objects, interacts</p> <p><u>Adult</u> verbal response</p> <p>1 No verbal response</p> <p>2 Incomprehensible sounds; moaning</p> <p>3 Inappropriate words</p> <p>4 Confused</p> <p>5 Oriented</p> <hr/> <p>NOT Not assessed per documentation</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer = 'N'</b>)</p>
Discussion/Uses	<p>This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival in the referring hospital. If it is not done in this time period, record NOT.</p> <p>This data can be found on the medical record information that accompanies the patient from the referring hospital.</p> <p>The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score, page 159.</p>
EDITS	UT.C13
EXPORT FIELD	VERBAL_RESPONSE / TS_NUMBER / TRAUMA_SCORE_LOCATION_CODE (61/166/65)

**C14. Referring Hospital Motor Response**

Definition	The first assessment of the patient's motor response for the Glasgow Coma Score upon arrival in the referring hospital.
Software Field Name	MOTOR_RESPONSE
Data Type	Character (Single entry allowed)
Values	<p>Range: 1—6</p> <p>*An appropriate response for a quadriplegic may be shrugging shoulders or purposeful movement on command.</p> <p><u>Pediatric</u> motor response            (*For the purposes of this data element, a pediatric patient is defined as a person &lt;50 kg or 10 years of age and younger.)</p> <p>1 No motor response</p> <p>2 Extension to pain</p> <p>3 Flexion to pain</p> <p>4 Withdrawal from pain</p> <p>5 Localizing pain</p> <p>6 Obeys commands with appropriate motor response</p> <p><u>Adult</u> motor response</p> <p>1 No motor response</p> <p>2 Extension to pain</p> <p>3 Flexion to pain</p> <p>4 Withdrawal from pain</p> <p>5 Localizing pain</p> <p>6 Obeys commands with appropriate motor response</p> <hr/> <p>NOT Not assessed per documentation</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer</b> = 'N')</p>
Discussion/Uses	<p>This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival in the referring hospital. If it is not done in this time period, record NOT.</p> <p>This data can be found on the medical record information that accompanies the patient from the referring hospital.</p> <p>The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score, page 159.</p>
EDITS	UT.C14
EXPORT FIELD	MOTOR_RESPONSE / TS_NUMBER / TRAUMA_SCORE_LOCATION_CODE (62/166/65)

**C15. Referring Hospital Eye Opening Response GCS Qualifier  
(Eye Obstruction)**

Definition	A flag used to indicate if patient is experiencing some obstruction to the eye that would hinder the first assessment of the Glasgow Coma Score upon arrival in the referring hospital.
Software Field Name	EYE_STATUS
Data Type	Character (Single entry allowed)
Values	Y      Yes, patient had eye obstruction. N      No indication that patient had eye obstruction. UNK    Unknown (either inadequate or no documentation) NA     Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer</b> = 'N')
Discussion/Uses	This data can be found on the medical record information that accompanies the patient from the referring hospital.
EDITS	UT.C15
EXPORT FIELD	EYE_STATUS / TS_NUMBER / TRAUMA_SCORE_LOCATION_CODE (734/166/65)

### **C16. Referring Hospital Verbal Response GCS Qualifier (Intubated)**

Definition	A flag used to indicate if patient was intubated at the time of first assessment of the Glasgow Coma Score upon arrival in the referring hospital.
Software Field Name	VERBAL_STATUS
Data Type	Character (Single entry allowed)
Values	Y      Yes, patient intubated. N      No indication that patient intubated. UNK    Unknown (either inadequate or no documentation) NA      Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer = 'N'</b> )
Discussion/Uses	This data can be found on the medical record information that accompanies the patient from the referring hospital.
EDITS	UT.C16
EXPORT FIELD	VERBAL_STATUS / TS_NUMBER / TRAUMA_SCORE_LOCATION_CODE (735/166/65)

### **C17. Referring Hospital Motor Response GCS Qualifier (Chemically Paralyzed)**

Definition	A flag used to indicate if patient was chemically paralyzed at the time of first assessment of the Glasgow Coma Score upon arrival in the referring hospital.
Software Field Name	MOTOR_STATUS
Data Type	Character (Single entry allowed)
Values	Y      Yes, patient was chemically paralyzed. N      No indication that patient was chemically paralyzed. UNK    Unknown (either inadequate or no documentation) NA     Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer</b> = 'N')
Discussion/Uses	This data can be found on the medical record information that accompanies the patient from the referring hospital.
EDITS	UT.C17
EXPORT FIELD	MOTOR_STATUS / TS_NUMBER / TRAUMA_SCORE_LOCATION_CODE (736/166/65)

**C18. Referring Hospital Glasgow Coma Score Total**

Definition	The severity of injury as reflected by the first assessment of total GCS upon arrival in the referring hospital.
Software Field Name	GLASCOWREF
Data Type	Character (Single entry allowed)
Values	<p>Range: 3—15</p> <p>If “A &amp; O X 3” or “A &amp; O X 4” is documented in medical chart, record GCS as 15.</p> <p>NOT Not assessed per documentation</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer</b> = 'N')</p>
Discussion/Uses	<p>This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival in the referring hospital. If it is not done in this time period, record NOT.</p> <p>This data can be found on the medical record information that accompanies the patient from the referring hospital.</p> <p>The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score.</p>
EDITS	UT.C18 (Pass)
EXPORT FIELD	GLASGOW / TS_NUMBER / TRAUMA_SCORE_LOCATION_CODE 164/166/65)

### **C19. Referring Hospital Airway Management**

Definition	Describes the airway resuscitation procedures performed upon arrival in the referring hospital.
Software Field Name	AIRWAY
Data Type	Character (Single entry allowed)
Values	<p>*Select the most invasive airway procedure successfully performed.</p> <p>ATT Attempted and documented unsuccessful</p> <p>BM Bag and mask</p> <p>CONT Continued airway management from EMS (specify which type of airway management was continued)</p> <p>CRIC Cricothyrotomy</p> <p>EOA Esophageal obturator</p> <p>NASO Nasopharyngeal airway</p> <p>NETT Nasal ETT</p> <p>ORAL Oral airway</p> <p>OETT Oral ETT</p> <p>TRACH Tracheostomy</p> <p>NONE Oxygen administration only (e.g. nasal cannula or mask)</p> <p>NOT Not performed per documentation (other than NONE)</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, no referring hospital (Trauma registry software will auto-fill this field if <b>Hospital Transfer = 'N'</b>)</p>
Discussion/Uses	This data can be found on the medical record information that accompanies the patient from the referring hospital.
EDITS	UT.C19 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE_LOCATION_CODE / PROCEDURE_RESULT (129/118/115)

## **C20. Referring Hospital CPR**

Definition	Identifies if CPR was performed upon arrival in the referring hospital.
Software Field Name	CPR
Data Type	Character (Single entry allowed)
Values	Y      Yes, CPR performed. N      No, CPR not performed per documentation. UNK    Unknown (either inadequate or no documentation) NA     Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer = 'N'</b> )
Discussion/Uses	This data can be found on the medical record information that accompanies the patient from the referring hospital.
EDITS	UT.C20 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE_LOCATION_CODE / PROCEDURE_RESULT (129/118/115)

## C21. Referring Hospital Fluids Administered

Definition	Describes the approximate volume of fluids administered upon arrival in the referring hospital.
Software Field Name	FLUIDS
Data Type	Character (Single entry allowed)
Values	Includes normal saline, dextrose, lactated ringers, and cryoprecipitate.
	<u>Pediatric</u>
	(*For the purposes of this data element, a pediatric patient is defined as a person <50 kg or 10 years of age and younger.)
	<20            Less than 20cc/kg administered
	20-40         20 to 40cc/kg administered
	>40            Greater than 40cc/kg administered
	IVF.UNK      IV fluids: unknown amount
	<u>Adult</u>
	<500          Less than 500 ml administered
	500-2000    500 to 2000 ml administered
	>2000        Greater than 2000 ml administered
	IVF.UNK      IV fluids: unknown amount
	<hr/>
	NOT            Not performed per documentation
	UNK            Unknown (either inadequate or no documentation)
	NA             Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer</b> = 'N')
Discussion/Uses	This data can be found on the medical record information that accompanies the patient from the referring hospital.
EDITS	UT.C21 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE_LOCATION_CODE / PROCEDURE_RESULT (129/118/115)

## **C22. Referring Hospital Blood Given**

Definition	Specifies if blood or blood products were given upon arrival in the referring hospital.
Software Field Name	BLOOD
Data Type	Character (Single entry allowed)
Values	<p>Blood or blood products <b>include</b>: whole blood, packed red blood cells, platelets, plasmanate, cell saver, fresh frozen plasma, and albumin.</p> <p>Blood or blood products <b>do not include</b>: artificial blood products such as cryoprecipitate.</p> <p>Y      Yes, blood or blood products given NOS.</p> <p>N      No, blood or blood products not given per documentation.</p> <p>UNK    Unknown (either inadequate or no documentation)</p> <p>NA     Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer</b> = 'N')</p>
Discussion/Uses	This data can be found on the medical record information that accompanies the patient from the referring hospital.
EDITS	UT.C22 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE_LOCATION_CODE / PROCEDURE_RESULT (129/118/115)

### **C23. Referring Hospital Thoracostomy**

Definition	Indicates if a thoracostomy (needle or chest tube) was performed upon arrival in the referring hospital.
Software Field Name	THOR
Data Type	Character (Single entry allowed)
Values	Y Yes, a thoracostomy was performed. N No, a thoracostomy was not performed per documentation. UNK Unknown (either inadequate or no documentation) NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer = 'N'</b> )
Discussion/Uses	This data can be found on the medical record information that accompanies the patient from the referring hospital.
EDITS	UT.C23 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE_LOCATION_CODE / PROCEDURE_RESULT (129/118/115)

## **C24. Referring Hospital Head CT**

Definition	Identifies if a head CT was performed in the referring hospital.
Software Field Name	HEADCT
Data Type	Character (Single entry allowed)
Values	Y Yes, a head CT was performed. N No, a head CT was not performed per documentation. UNK Unknown (either inadequate or no documentation) NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer = 'N'</b> )
Discussion/Uses	This data can be found on the medical record information that accompanies the patient from the referring hospital.
EDITS	UT.C24 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE_LOCATION_CODE / PROCEDURE_RESULT (129/118/115)

## **C25. Referring Hospital Diagnostic Peritoneal Lavage**

Definition	Indicates if a diagnostic peritoneal lavage (DPL or PL) was performed in the referring hospital.
Software Field Name	PL
Data Type	Character (Single entry allowed)
Values	Y Yes, a DPL was performed. N No, a DPL was not performed per documentation. UNK Unknown (either inadequate or no documentation) NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer = 'N'</b> )
Discussion/Uses	This data can be found on the medical record information that accompanies the patient from the referring hospital.
EDITS	UT.C25 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE_LOCATION_CODE / PROCEDURE_RESULT (129/118/115)

## **C26. Referring Hospital Focused Abdominal Sonography Test**

Definition	Identifies if a focused abdominal sonography test (FAST) was performed in the referring hospital.
Software Field Name	FAST
Data Type	Character (Single entry allowed)
Values	Y Yes, a FAST was performed. N No, a FAST was not performed per documentation. UNK Unknown (either inadequate or no documentation) NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer = 'N'</b> )
Discussion/Uses	This data can be found on the medical record information that accompanies the patient from the referring hospital.
EDITS	UT.C26 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE_LOCATION_CODE / PROCEDURE_RESULT (129/118/115)

## **C27. Referring Hospital Abdominal CT**

Definition	Indicates if an abdominal CT was performed in the referring hospital.
Software Field Name	ABDCT
Data Type	Character (Single entry allowed)
Values	Y Yes, an abdominal CT was performed. N No, an abdominal CT was not performed per documentation. UNK Unknown (either inadequate or no documentation) NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if <b>Hospital Transfer = 'N'</b> )
Discussion/Uses	This data can be found on the medical record information that accompanies the patient from the referring hospital.
EDITS	UT.C27 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE_LOCATION_CODE / PROCEDURE_RESULT (129/118/115)

## **D. EMS Transport/Scene Data**

## **D1. Transport Mode Into Hospital**

Definition	Of all the legs of transport, enter the final method of transport into your hospital. The exception is if the patient was transported by Fixed wing air. In that case, enter FIX, even though the patient arrived by ground Ambulance.
Software Field Name	TRANS
Data Type	Character (Single entry allowed)
Values	AMB Ground ambulance FIX Fixed wing air HELI Helicopter LAW Law enforcement (Non-EMS) COM Commercial transportation/taxi (Non-EMS) POV "Per other vehicle" (private vehicle, walk-in, bus, non-EMS) UNK Unknown (either inadequate or no documentation)
Discussion/Uses	This is a key field for completing other Prehospital/EMS data elements.  If <b>Transport Mode Into Hospital</b> indicates an <b>EMS Agency</b> was involved in transport ('AMB', 'FIX', or 'HELI'), then data for remaining Prehospital/EMS fields is required.  If <b>Transport Mode Into Hospital</b> indicates an <b>EMS Agency</b> was <u>not</u> involved in transport ('LAW', 'COM', or 'POV'), then the remaining data elements in this section should be answered 'Not applicable', meaning, the patient was not transferred by an <b>EMS Agency</b> therefore the Prehospital/ EMS data elements do not apply.
EDITS	UT.D1; UT.D1S; UT.D1SV
EXPORT FIELD	TRANS_SRC

## D2. EMS Agency

Definition	The code for each <b>EMS Agency</b> involved in transporting the patient from the scene of injury to arrival in your hospital.
Software Field Name	TRANSPORT_AGENCY_CODE
Data Type	Character (Multiple entry allowed)
Values	Range: 0101L—2931L; 3000L  *Each <b>EMS Agency</b> in the state of Utah is assigned a code by the Utah Department of Health. See Appendix B—EMS Agency Codes, for the list of Licensed Utah EMS Agency codes.  3000L Unspecified Utah EMS agency  OTHER Other out of state EMS agency  UNK Unknown (either inadequate or no documentation)  NA Not applicable, no EMS transport
Discussion/Uses	The first row of data entry should be the agency that transported the patient to your hospital.  After the first row, optionally enter other <b>EMS Agencies and Responding Units</b> involved in transporting the patient,  This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.
EDITS	UT.D2; UT.D2S; UT.D2SV
EXPORT FIELD	TRANSPORT_AGENCY_CODE_SRC

### D3. EMS Origin

Definition	The place where patient transport by an <b>EMS Agency</b> began.	
Software Field Name	TRANSPORT_ORIGIN	
Data Type	Character (Multiple entry allowed)	
Values	SCENE	Transporting agency from the scene of injury
	NONTRANS	Non transporting EMS agency (i.e first responder, fire department, etc. )
	REF	Referring hospital (includes clinics and doctors offices)
	TRANS	Rendezvous point with other EMS transport unit, (i.e. ground ambulance, fixed wing or helicopter)
	UNK	Unknown (either inadequate or no documentation)
	NA	Not applicable, no EMS transport
Discussion/Uses	<p>Sequentially enter all the origins where patient transports by an <b>EMS Agency</b> began, starting with the first leg of EMS transport.</p> <p>The last <b>EMS Origin</b> should be the place patient was seen at prior to transport by an <b>EMS Agency</b> to your hospital, if applicable.</p> <p>This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.</p>	
EDITS	D3; D3S; D3SL(checks for more than one TRANSPORT_ORIGIN of 'SCENE')	
EXPORT FIELD	TRANSPORT_ORGIN_SRC	

#### **D4. EMS Notify Time**

Definition	The time the <b>EMS Agency</b> was notified/dispatched to transport the patient.
Software Field Name	NOTIFY_TIME
Data Type	Military Time - hh:mm (Multiple entry allowed)
Values	Range: 00:00 to 23:59  UNK Unknown (either inadequate or no documentation)  NA Not applicable, no EMS transport
Discussion/Uses	Sequentially enter all the notification times for each <b>EMS Agency</b> involved in transporting the patient, starting with the first leg of EMS transport.  This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.
EDITS	UT.D4
EXPORT FIELD	NOTIFY_TIME

**D5. EMS Notify Date**

Definition The date the **EMS Agency** was notified/dispatched to transport the patient.

Software Field Name NOTIFY\_DATE

Data Type Date - mmddyyyy (Multiple entry allowed)

Values Valid date (“/”s and “-”s not needed in data entry)

**Month:**

01	January	07	July
02	February	08	August
03	March	09	September
04	April	10	October
05	May	11	November
06	June	12	December

**Day:** 01-31

**Year:** The year must be 4-digits, i.e.: 2001

UNK Unknown (either inadequate or no documentation)

NA Not applicable, no EMS transport

Discussion/Uses Sequentially enter all the notification dates for each **EMS Agency** involved in transporting the patient, starting with the first leg of EMS transport.

This data can be found on the EMS Trip Form, Run Sheet or other information from the **EMS Agency** that transported the patient.

EDITS UT.D5

EXPORT FIELD NOTIFY\_DATE

## **D6. EMS Respond Time**

Definition	<p>The time the <b>EMS Agency</b> began travel to place where patient EMS transport was to begin.</p> <p>Depending on the EMS transport leg defined by the <b>EMS Origin</b> and <b>EMS Destination</b> points, the place where patient transport began can be at either the scene of injury (SCENE), referring hospital (REF) or rendezvous point (TRANS).</p>
Software Field Name	TIME_OUT
Data Type	Military Time - hh:mm (Multiple entry allowed)
Values	<p>Range: 00:00 to 23:59</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, no EMS transport</p>
Discussion/Uses	<p>Sequentially enter all the respond/departure times for each <b>EMS Agency</b> involved in transporting the patient, starting with the first leg of EMS transport.</p> <p>This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.</p>
EDITS	UT.D6
EXPORT FIELD	TIME_OUT

**D7. EMS Respond Date**

**Definition** The date the **EMS Agency** began travel to place where patient EMS transport was to begin.

Depending on the EMS transport leg defined by the **EMS Origin** and **EMS Destination** points, the place where patient transport began can be at either the scene of injury (SCENE), referring hospital (REF) or rendezvous point (TRANS).

**Software Field Name** DATE\_OUT

**Data Type** Date - mmdyyyy (Multiple entry allowed)

**Values** Valid date ("/s and "-s not needed in data entry)

**Month:**

01	January	07	July
02	February	08	August
03	March	09	September
04	April	10	October
05	May	11	November
06	June	12	December

**Day:** 01-31

**Year:** The year must be 4-digits, i.e.: 2001

UNK Unknown (either inadequate or no documentation)

NA Not applicable, no EMS transport

**Discussion/Uses** Sequentially enter all the respond/departure dates for each **EMS Agency** involved in transporting the patient, starting with the first leg of EMS transport.

This data can be found on the EMS Trip Form, Run Sheet or other information from the **EMS Agency** that transported the patient.

**EDITS** UT.D7

**EXPORT FIELD** DATE\_OUT

## **D8. EMS Arrival to Patient Time**

Definition	<p>The time the <b>EMS Agency</b> arrived at the patient to perform EMS transport.</p> <p>Depending on the EMS transport leg defined by the origin and destination point, this can be arrival to the patient at either the scene of injury (SCENE), referring hospital (REF) or rendezvous point (TRANS).</p>
Software Field Name	ARRIVAL_TIME
Data Type	Military Time - hh:mm (Multiple entry allowed)
Values	<p>Range: 00:00 to 23:59</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, no EMS transport</p>
Discussion/Uses	<p>Sequentially enter all the patient arrival times for each <b>EMS Agency</b> involved in transporting the patient, starting with the first leg of EMS transport.</p> <p>This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.</p>
EDITS	UT.D8
EXPORT_FIELD	ARRIVAL_TIME

**D9. EMS Arrival to Patient Date**

**Definition** The date the **EMS Agency** arrived at the patient to perform EMS transport.

Depending on the EMS transport leg defined by the **EMS Origin** and **EMS Destination** points, this can be arrival to the patient at either the scene of injury (SCENE), referring hospital (REF) or rendezvous point (i.e. TRANS).

**Software Field Name** ARRIVAL\_DATE

**Data Type** Character (Multiple entry allowed)

**Values** Valid date (“/”s and “-”s not needed in data entry)

**Month:**

01	January	07	July
02	February	08	August
03	March	09	September
04	April	10	October
05	May	11	November
06	June	12	December

**Day:** 01-31

**Year:** The year must be 4-digits, i.e.: 2001.

UNK Unknown (either inadequate or no documentation)

NA Not applicable, no EMS transport

**Discussion/Uses** Sequentially enter all the patient arrival dates for each **EMS Agency** involved in transporting the patient, starting with the first leg of EMS transport.

This data can be found on the EMS Trip Form, Run Sheet or other information from the **EMS Agency** that transported the patient.

**EDITS** UT.D9

**EXPORT FIELD** ARRIVAL\_DATE

## **D10. EMS Departure with Patient Time**

Definition	<p>The time the <b>EMS Agency</b> departed with patient for destination of EMS transport.</p> <p>Depending on the EMS transport leg defined by the <b>EMS Origin</b> and <b>EMS Destination</b> points, this can be departure for the definitive care hospital or rendezvous point, such as a transporting unit, airport, etc.</p>
Software Field Name	DEPARTURE_TIME
Data Type	Military Time - hh:mm (Multiple entry allowed)
Values	<p>Range: 00:00 to 23:59</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, no EMS transport</p>
Discussion/Uses	<p>Sequentially enter all the patient departure times for each <b>EMS Agency</b> involved in transporting the patient, starting with the first leg of EMS transport.</p> <p>This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.</p>
EDITS	UT.D10
EXPORT FIELD	DEPARTURE_TIME

**D11. EMS Departure with Patient Date**

Definition	<p>The date the <b>EMS Agency</b> departed with the patient for destination of EMS transport.</p> <p>Depending on the EMS transport leg defined by the <b>EMS Origin</b> and <b>EMS Destination</b> points, this can be departure for the definitive care hospital or rendezvous point, such as a transporting unit, airport, etc.</p>																								
Software Field Name	DEPARTURE_DATE																								
Data Type	Date - mmddyyyy (Multiple entry allowed)																								
Values	<p>Valid date (“/”s and “-”s not needed in data entry)</p> <p><b>Month:</b></p> <table border="0"> <tr> <td>01</td> <td>January</td> <td>07</td> <td>July</td> </tr> <tr> <td>02</td> <td>February</td> <td>08</td> <td>August</td> </tr> <tr> <td>03</td> <td>March</td> <td>09</td> <td>September</td> </tr> <tr> <td>04</td> <td>April</td> <td>10</td> <td>October</td> </tr> <tr> <td>05</td> <td>May</td> <td>11</td> <td>November</td> </tr> <tr> <td>06</td> <td>June</td> <td>12</td> <td>December</td> </tr> </table> <p><b>Day:</b> 01-31</p> <p><b>Year:</b> The year must be 4-digits, i.e.: 2001</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, no EMS transport</p>	01	January	07	July	02	February	08	August	03	March	09	September	04	April	10	October	05	May	11	November	06	June	12	December
01	January	07	July																						
02	February	08	August																						
03	March	09	September																						
04	April	10	October																						
05	May	11	November																						
06	June	12	December																						
Discussion/Uses	<p>Sequentially enter all the patient departure dates for each <b>EMS Agency</b> involved in transporting the patient, starting with the first leg of EMS transport.</p> <p>This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.</p>																								
EDITS	UT.D11																								
EXPORT FIELD	DEPARTURE_DATE																								

## **D12. EMS Destination Arrival Time**

Definition	<p>The time the <b>EMS Agency</b> arrived with the patient at the destination of EMS transport.</p> <p>Depending on the EMS transport leg defined by the <b>EMS Origin</b> and <b>EMS Destination</b> points, this can be arrival at the definitive care hospital or rendezvous point, such as a transporting unit, airport, etc.</p>
Software Field Name	DESTINATION_ARRIVAL_TIME
Data Type	Military Time - hh:mm (Multiple entry allowed)
Values	<p>Range: 00:00 to 23:59</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, no EMS transport</p>
Discussion/Uses	<p>Sequentially enter all the destination arrival times for each <b>EMS Agency</b> involved in transporting the patient, starting with the first leg of EMS transport.</p> <p>This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.</p>
EDITS	UT.D12
EXPORT FIELD	DESTINATION_ARRIVAL_TIME

**D13. EMS Destination Arrival Date**

**Definition** The date the **EMS Agency** arrived with patient at the destination of EMS transport.

Depending on the EMS transport leg defined by the **EMS Origin** and **EMS Destination** points, this can be arrival at the definitive care hospital or rendezvous point, such as a transporting unit, airport, etc.

**Software Field Name** DESTINATION\_ARRIVAL\_DATE

**Data Type** Character (Multiple entry allowed)

**Values** Valid date (“/”s and “-”s not needed in data entry)

**Month:**

01	January	07	July
02	February	08	August
03	March	09	September
04	April	10	October
05	May	11	November
06	June	12	December

**Day:** 01-31

**Year:** The year must be 4-digits, i.e.: 2001.

UNK Unknown (either inadequate or no documentation)

NA Not applicable, no EMS transport

**Discussion/Uses** Sequentially enter all the destination arrival dates for each **EMS Agency** involved in transporting the patient, starting with the first leg of EMS transport.

This data can be found on the EMS Trip Form, Run Sheet or other information from the **EMS Agency** that transported the patient.

**EDITS** UT.D13

**EXPORT FIELD** DESTINATION\_ARRIVAL\_DATE

## **D14. EMS Destination**

Definition	The destination where each leg of patient EMS transports ended.
Software Field Name	TRANSPORT_DESTINATION
Data Type	Character (Multiple entry allowed)
Values	<p>Destination/Hospital codes are assigned by the Utah Department of Health. The list of codes can be found in <b>Error! Reference source not found.</b>, page <b>Error! Bookmark not defined.</b> If this leg of EMS transport did not end in a hospital, chose from options 010—090.</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, no EMS transport</p>
Discussion/Uses	<p>Sequentially enter all the destinations where each leg of the <b>EMS Agency</b> transport ended, starting with the first destination to which the patient was transported. The last <b>EMS Destination</b> should be the Hospital Code for your hospital, if applicable.</p> <p>This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.</p>
EDITS	UT.D14; UT.D14S
EXPORT FIELD	TRANSPORT_DESTINATION_SRC

## **D15. EMS Trip Form Received**

Definition	Indicates whether the EMS Trip Form or Run Sheet is available in the medical record (for the trauma registrar/data abstractor) for each leg of an <b>EMS Agency</b> patient transport.
Software Field Name	TRIP_FORM
Data Type	Character (Multiple entry allowed)
Values	Y      Yes, trip form is available. N      No, trip form is not available. UNK    Unknown NA     Not applicable, no EMS transport
Discussion/Uses	This is used to indicate the availability of data for the trauma registry from the EMS Trip Form or Run Sheet for each leg of an <b>EMS Agency</b> patient transport.
EDITS	UT.D15; UT.D15S
EXPORT FIELD	TRIP_FORM_SRC

## **D16. Scene Pulse Rate**

Definition	The first palpable pulse rate expressed as number per minute initially assessed upon arrival at the scene of injury.
Software Field Name	P1
Data Type	Character (Single entry allowed)
Values	Range: 0—400  NOT Not assessed per documentation  UNK Unknown (either inadequate or no documentation)  NA Not applicable, no scene EMS
Discussion/Uses	This measure should be in the first set of vital signs recorded upon arrival at the scene of injury.  This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> .
EDITS	UT.D16
EXPORT FIELD	PULSE / VS_NUMBER / VS_LOCATION_CODE (55/166/65)

## **D17. Scene Respiratory Rate**

Definition	The first unassisted patient respiratory rate expressed as number per minute initially assessed upon arrival at the scene of injury.
Software Field Name	RESP_RATE
Data Type	Character (Single entry allowed)
Values	Range: 0—100 (Do not report ranges.)  *If patient is apneic prior to intervention, record as 0.  ASSIST Unassisted rate is not measurable due to sedation, paralysis or assisted ventilation (including bag-valve-mask and EOA).  NOT Not assessed (reason other than ASSIST) per documentation  UNK Unknown (either inadequate or no documentation)  NA Not applicable, no scene EMS
Discussion/Uses	This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival at the scene of injury. If it is not done in this time period, record NOT.  This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.  The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score, page 159.
EDITS	UT.D17
EXPORT FIELD	RESP_RATE / VS_NUMBER / VS_LOCATION_CODE (56/166/65)

## **D18. Scene Systolic Blood Pressure**

Definition	The systolic blood pressure initially assessed upon arrival at the scene of injury.
Software Field Name	SYS_BP
Data Type	Character (Single entry allowed)
Values	Range: 0—300  NOT Not assessed per documentation  UNK Unknown (either inadequate or no documentation)  NA Not applicable, no scene EMS
Discussion/Uses	<p>This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival at the scene of injury. If it is not done in this time period, record NOT.</p> <p>This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.</p> <p>The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score, page 159.</p>
EDITS	UT.D18
EXPORT FIELD	SYS_BP / VS_NUMBER / VS_LOCATION_CODE (56/166/65)

**D19. Scene Eye Opening Response**

Definition	The first assessment of eye opening response for the Glasgow Coma Score upon arrival at the scene of injury.
Software Field Name	EYE_OPENING
Data Type	Character (Single entry allowed)
Values	<p>Range: 1—4</p> <p>(*For the purposes of this data element, a pediatric patient is defined as a person &lt;50 kg or 10 years of age and younger.)</p> <p><u>Pediatric</u> eye opening response</p> <p>1      No eye opening</p> <p>2      Eye opening to pain</p> <p>3      Eye opening to verbal command</p> <p>4      Eyes open spontaneously</p> <p><u>Adult</u> eye opening response</p> <p>1      No eye opening</p> <p>2      Eye opening to pain</p> <p>3      Eye opening to verbal command</p> <p>4      Eyes open spontaneously</p> <hr/> <p>NOT    Not assessed per documentation</p> <p>UNK    Unknown (either inadequate or no documentation)</p> <p>NA     Not applicable, no scene EMS</p>
Discussion/Uses	<p>This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival at the scene of injury. If it is not done in this time period, record NOT.</p> <p>This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.</p> <p>The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score, page 159.</p>
EDITS	UT.D19
EXPORT FIELD	EYE_OPENING / VS_NUMBER / VS_LOCATION_CODE (59/166/65)

**D20. Scene Verbal Response**

Definition	The first assessment of verbal response for the Glasgow Coma Score upon arrival at the scene of injury.
Software Field Name	VERBAL_RESPONSE
Data Type	Character (Single entry allowed)
Values	<p>Range: 1—5</p> <p>*If the patient is intubated and deeply comatose, enter 1. If an intubated patient can respond appropriately, the provider may gauge the responses and assign a 1 (none) to 5 (oriented).</p> <p><u>Pediatric verbal response</u></p> <p>(*For the purposes of this data element, a pediatric patient is defined as a person &lt;50 kg or 10 years of age and younger.)</p> <p>1 No vocal response</p> <p>2 Inconsolable, agitated</p> <p>3 Inconsistently consolable, moaning</p> <p>4 Cries but is consolable, inappropriate interactions</p> <p>5 Smiles, oriented to sounds, follows objects, interacts</p> <p><u>Adult verbal response</u></p> <p>1 No verbal response</p> <p>2 Incomprehensible sounds; moaning</p> <p>3 Inappropriate words</p> <p>4 Confused</p> <p>5 Oriented</p> <hr/> <p>NOT Not assessed per documentation</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, no scene EMS</p>
Discussion/Uses	<p>This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival at the scene of injury. If it is not done in this time period, record NOT.</p> <p>This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.</p> <p>The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score, page 159.</p>
EDITS	UT.D20
EXPORT FIELD	VERBAL_RESPONSE / VS_NUMBER / VS_LOCATION_CODE (61/166/65)

**D21. Scene Motor Response**

Definition	First assessment of motor response for the Glasgow Coma Score upon arrival at the scene of injury.
Software Field Name	MOTOR_RESPONSE
Data Type	Character (Single entry allowed)
Values	<p>Range: 1—6</p> <p>*An appropriate response for a quadriplegic may be shrugging shoulders or purposeful movement on command.</p> <p><u>Pediatric</u> motor response            (*For the purposes of this data element, a pediatric patient is defined as a person &lt;50 kg or 10 years of age and younger.)</p> <p>1 No motor response</p> <p>2 Extension to pain</p> <p>3 Flexion to pain</p> <p>4 Withdrawal from pain</p> <p>5 Localizing pain</p> <p>6 Obeys commands with appropriate motor response</p> <p><u>Adult</u> motor response</p> <p>1 No motor response</p> <p>2 Extension to pain</p> <p>3 Flexion to pain</p> <p>4 Withdrawal from pain</p> <p>5 Localizing pain</p> <p>6 Obeys commands with appropriate motor response</p> <hr/> <p>NOT Not assessed per documentation</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, no scene EMS</p>
Discussion/Uses	<p>This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival at the scene of injury. If it is not done in this time period, record NOT.</p> <p>This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.</p> <p>The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score, page 159.</p>
EDITS	UT.D21
EXPORT FIELD	MOTOR_RESPONSE / VS_NUMBER / VS_LOCATION_CODE (62/166/65)

## **D22. Scene Eye Opening Response GCS Qualifier (Eye Obstruction)**

Definition	A flag used to indicate if patient is experiencing some obstruction to the eye that would hinder the first assessment of the Glasgow Coma Score upon arrival at the scene of injury.
Software Field Name	EYE_STATUS
Data Type	Character (Single entry allowed)
Values	Y      Yes, patient had eye obstruction. N      No indication that patient had eye obstruction. UNK    Unknown (either inadequate or no documentation) NA     Not applicable, no scene EMS
Discussion/Uses	This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.
EDITS	UT.D22
EXPORT FIELD	EYE_STATUS / VS_NUMBER / VS_LOCATION_CODE (734/166/65)

### **D23. Scene Verbal Response GCS Qualifier (Intubated)**

Definition	A flag used to indicate if patient was intubated at the time of first assessment of the Glasgow Coma Score upon arrival at the scene of injury.
Software Field Name	VERBAL_STATUS
Data Type	Character (Single entry allowed)
Values	Y      Yes, patient intubated. N      No indication that patient intubated. UNK    Unknown (either inadequate or no documentation) NA      Not applicable, no scene EMS
Discussion/Uses	This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.
EDITS	UT.D23
EXPORT FIELD	VERBAL_STATUS / VS_NUMBER / VS_LOCATION_CODE (735/166/65)

**D24. Scene Motor Response GCS Qualifier (Chemically Paralyzed)**

Definition	A flag used to indicate if patient was chemically paralyzed at the time of first assessment of the Glasgow Coma Score upon arrival at the scene of injury.
Software Field Name	MOTOR_STATUS
Data Type	Character (Single entry allowed)
Values	Y Yes, patient was chemically paralyzed. N No indication that patient was chemically paralyzed. UNK Unknown (either inadequate or no documentation) NA Not applicable, no scene EMS
Discussion/Uses	This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.
EDITS	UT.D24
EXPORT FIELD	MOTOR_STATUS / VS_NUMBER / VS_LOCATION_CODE (736/166/65)

## **D25. Scene Glasgow Coma Score Total**

Definition	The severity of injury as reflected by the first assessment of total GCS upon arrival at the scene of injury.
Software Field Name	GLASCOW
Data Type	Character (Single entry allowed)
Values	Range: 3—15  If “A & O X 3” or “A & O X 4” is documented in medical chart, record GCS as 15.  UNK Unknown (either inadequate or no documentation)  NOT Not assessed per documentation  NA Not applicable, no scene EMS
Discussion/Uses	This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival at the scene of injury. If it is not done in this time period, record NOT.  This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.  The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score, page 159.
EDITS	UT.D25
EXPORT FIELD	GLASCOW / VS_NUMBER / VS_LOCATION_CODE (164/166/65)

## D26. Scene Airway Management

Definition	Describes the airway resuscitation procedures performed upon arrival at the scene of injury.
Software Field Name	AIRWAY
Data Type	Character (Single entry allowed)
Values	<p>*Select the most invasive airway procedure successfully performed.</p> <p>ATT Attempted and documented unsuccessful</p> <p>BM Bag and mask</p> <p>CRIC Cricothyrotomy</p> <p>EOA Esophageal obturator</p> <p>NASO Nasopharyngeal airway</p> <p>NETT Nasal ETT</p> <p>ORAL Oral airway</p> <p>OETT Oral ETT</p> <p>TRACH Tracheostomy</p> <p>NONE Oxygen administration or nasal canula only</p> <p>NOT Not performed per documentation (other than NONE)</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, no scene EMS</p>
Discussion/Uses	This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.
EDITS	UT.D26 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE_LOCATION_CODE / PROCEDURE_RESULT (129/118/115)

## **D27. Scene CPR**

Definition	Identifies if CPR was performed upon arrival in the scene.
Software Field Name	CPR
Data Type	Character (Single entry allowed)
Values	Y      Yes, CPR performed. N      No, CPR not performed per documentation. UNK    Unknown (either inadequate or no documentation) NA      Not applicable, no scene EMS
Discussion/Uses	This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.
EDITS	UT.D27 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE_LOCATION_CODE / PROCEDURE_RESULT (129/118/115)

**D28. Scene Fluids Administered**

Definition	Describes the volume of fluids administered upon arrival in the scene.
Software Field Name	FLUIDS
Data Type	Character (Single entry allowed)
Values	<p><u>Pediatrics</u></p> <p>(*For the purposes of this data element, a pediatric patient is defined as a person &lt;50 kg or 10 years of age and younger.)</p> <p>&lt;20            Less than 20cc/kg administered</p> <p>20-40           20 to 40cc/kg administered</p> <p>&gt;40            Greater than 40cc/kg administered</p> <p>IVF.UNK       IV fluids: unknown amount</p> <p><u>Adults</u></p> <p>&lt;500           Less than 500 ml administered</p> <p>500-2000       500 to 2000 ml administered</p> <p>&gt;2000          Greater than 2000 ml administered</p> <p>IVF.UNK       IV fluids: unknown amount</p> <hr/> <p>NOT            Not performed per documentation</p> <p>UNK            Unknown (either inadequate or no documentation)</p> <p>NA             Not applicable, no scene EMS</p>
Discussion/Uses	This data can be found on the EMS Trip Form, Run Sheet or other information from the <b>EMS Agency</b> that transported the patient.
EDITS	UT.D28 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE_LOCATION_CODE / PROCEDURE_RESULT (129/118/115)

## **E. Hospital Data**

## **E1. Admit Type**

Definition	The specific type of patient admission at your hospital.
Software Field Name	ADMIT_TYPE
Data Type	Character (Single entry allowed)
Values	E Admitted through ED D Direct admission T Seen in ED then transferred out by EMS R Seen in ED then released or referred POV X Died in ED or DOA
Discussion/Uses	None
EDITS	UT.E1
EXPORT FIELD	ADMIT_TYPE (198)

**E2. Admit Service**

Definition	The specific service to which the patient is admitted after discharge from the ED.
Software Field Name	ADM_SVC
Data Type	Character (Single entry allowed)
Values	<p>BURN Burn service</p> <p>NSR Neurosurgery</p> <p>OB Obstetrics</p> <p>ORTHO Orthopedic surgery</p> <p>PED Pediatric service</p> <p>PSYCH Psychiatric</p> <p>TS Trauma Service (only organized Trauma Service or designated Trauma Center)</p> <p>SURG General surgery or other surgical service not listed</p> <p>MED Other medical service not listed</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, patient seen in ED only (<b>ED Discharge Disposition</b> = 'HOME', 'HOSP', 'D', 'DOA' or 'NA')</p>
Discussion/Uses	
EDITS	UT.E2; UT.E2S; UT.E2SV
EXPORT FIELD	ADM_SVC_SRC (221)

### **E3. Hospital Arrival Time**

Definition	The time the patient physically <u>arrived</u> at your hospital (passed through the doors and was checked in).
Software Field Name	HOSPITAL_ARRIVAL_TIME
Data Type	Military Time - hh:mm (Single entry allowed)
Values	Range: 00:00 to 23:59  UNK Unknown (either inadequate or no documentation)
Discussion/Uses	This time may or may not coincide with the first time a patient was seen by medical personnel, the <b>ED Admission Time</b> . For example, the patient was dropped off by EMS Agency at 23:45 12/01/2001 ( <b>Hospital Arrival Time</b> = 23:45) but was not triaged or seen by medical personnel until 00:10 12/02/2001 ( <b>ED Admission Time</b> = 00:10).
EDITS	UT.E3
EXPORT FIELD	HOSPITAL_ARRIVAL_TIME (31)

### E4. Hospital Arrival Date

Definition	The date the patient physically <u>arrived</u> at your hospital (passed through the doors and was checked in).																								
Software Field Name	HOSPITAL_ARRIVAL_DATE																								
Data Type	Date - mmddyyyy (Single entry allowed)																								
Values	Valid date (“/”s and “-”s not needed in data entry) Month: <table border="0" style="margin-left: 20px;"> <tr> <td>01</td> <td>January</td> <td>07</td> <td>July</td> </tr> <tr> <td>02</td> <td>February</td> <td>08</td> <td>August</td> </tr> <tr> <td>03</td> <td>March</td> <td>09</td> <td>September</td> </tr> <tr> <td>04</td> <td>April</td> <td>10</td> <td>October</td> </tr> <tr> <td>05</td> <td>May</td> <td>11</td> <td>November</td> </tr> <tr> <td>06</td> <td>June</td> <td>12</td> <td>December</td> </tr> </table> Day: 01-31 Year: The year must be 4-digits, i.e.: 2001. UNK Unknown (either inadequate or no documentation)	01	January	07	July	02	February	08	August	03	March	09	September	04	April	10	October	05	May	11	November	06	June	12	December
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02	February	08	August																						
03	March	09	September																						
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Discussion/Uses	This date may or may not coincide with the first date the patient was seen by medical personnel, the <b>ED Admission Date</b> . For example, the patient was dropped off by EMS Agency at 23:45 12/01/2001 ( <b>Hospital Arrival Date</b> = 12/01/2001) but was not triaged or seen by medical personnel until 00:10 12/02/2001 ( <b>ED Admission Date</b> = 12/02/2001).																								
EDITS	UT.E4																								
EXPORT FIELD	HOSPITAL_ARRIVAL_DATE (32)																								

## **E5. ED Admission Time**

Definition	The time the patient was triaged or seen by medical personnel at your emergency department.
Software Field Name	ED_ADM_TIME
Data Type	Military Time - hh:mm (Single entry allowed)
Values	Range: 00:00 to 23:59 UNK Unknown (either inadequate or no documentation) NA Not applicable, not an ED patient at your hospital
Discussion/Uses	This time may or may not coincide with the <b>Hospital Arrival Time</b> . For example, the patient was dropped off by EMS Agency at 23:45 12/01/2001 but was not triaged or seen by medical personnel until 00:10 12/02/2001. ( <b>Hospital Arrival Time</b> = 23:45 and <b>ED Admission Time</b> = 00:10.)
EDITS	UT.E5
EXPORT FIELD	ED_ADM_TIME (470)

**E6. ED Admission Date**

Definition	The date the patient was triaged or seen by medical personnel at your emergency department.																								
Software Field Name	ED_ADM_DATE																								
Data Type	Date – mmddyyyy (Single entry allowed)																								
Values	Valid date (“/”s and “-”s not needed in data entry) Month: <table border="0" style="margin-left: 20px;"> <tr> <td>01</td> <td>January</td> <td>07</td> <td>July</td> </tr> <tr> <td>02</td> <td>February</td> <td>08</td> <td>August</td> </tr> <tr> <td>03</td> <td>March</td> <td>09</td> <td>September</td> </tr> <tr> <td>04</td> <td>April</td> <td>10</td> <td>October</td> </tr> <tr> <td>05</td> <td>May</td> <td>11</td> <td>November</td> </tr> <tr> <td>06</td> <td>June</td> <td>12</td> <td>December</td> </tr> </table> Day: 01-31 Year: The year must be 4-digits, i.e.: 2001. UNK Unknown (either inadequate or no documentation) NA Not applicable, not an ED patient at your hospital	01	January	07	July	02	February	08	August	03	March	09	September	04	April	10	October	05	May	11	November	06	June	12	December
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03	March	09	September																						
04	April	10	October																						
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Discussion/Uses	This time may or may not coincide with the <b>Hospital Arrival Date</b> . For example, the patient was dropped off by EMS Agency at 23:45 12/01/2001 but was not triaged or seen by medical personnel until 00:10 12/02/2001. ( <b>Hospital Arrival Date</b> = 12/01/2001 and <b>ED Admission Date</b> = 12/02/2001)																								
EDITS	UT.E6																								
EXPORT FIELD	ED_ADM_DATE (469)																								

## **E7. ED Discharge Time**

Definition	The time the patient died, was discharged, or was transferred from your emergency department.
Software Field Name	ED_DC_TIME
Data Type	Military Time - hh:mm (Single entry allowed)
Values	Range: 00:00 to 23:59 UNK Unknown (either inadequate or no documentation) NA Not applicable, not an ED patient at your hospital
Discussion/Uses	None
EDITS	UT.E7
EXPORT FIELD	ED_DC_TIME (261)

**E8. ED Discharge Date**

Definition The date the patient died, was discharged, or was transferred from your emergency department.

Software Field Name ED\_DC\_DATE

Data Type Date – mmddyyyy (Single entry allowed)

Values Valid date (“/”s and “-”s not needed in data entry)

**Month:**

01	January	07	July
02	February	08	August
03	March	09	September
04	April	10	October
05	May	11	November
06	June	12	December

**Day:** 01-31

**Year:** The year must be 4-digits, i.e.: 2001.

UNK Unknown (either inadequate or no documentation)

NA Not applicable, not an ED patient at your hospital

Discussion/Uses None

EDITS UT.E8

EXPORT FIELD ED\_DC\_DATE (262)

### **E9. Inpatient Admission Time**

Definition	The time the patient was admitted as an inpatient to your hospital.
Software Field Name	HOSPITAL_ADMISSION_TIME
Data Type	Military Time - hh:mm (Single entry allowed)
Values	Range: 00:00 to 23:59 UNK Unknown (either inadequate or no documentation) NA Not applicable, not an inpatient at your hospital
Discussion/Uses	This time may or may not coincide with the <b>Hospital Arrival Time</b> . For example, the patient was dropped off by EMS Agency at 23:45 12/01/2001 but was not admitted as an inpatient until 00:10 12/02/2001. ( <b>Hospital Arrival Time</b> = 23:45 and <b>Inpatient Admission Time</b> = 00:10)
EDITS	UT.E9
EXPORT FIELD	HOSPITAL_ADMISSION_TIME (300)



**E10. Inpatient Admission Date**

Definition	The date the patient was admitted as an inpatient to your hospital.																								
Software Field Name	HOSPITAL_ADMISSION_DATE																								
Data Type	Date – mmddyyyy (Single entry allowed)																								
Values	Valid date (“/”s and “-”s not needed in data entry) Month: <table border="0" style="margin-left: 20px;"> <tr> <td>01</td> <td>January</td> <td>07</td> <td>July</td> </tr> <tr> <td>02</td> <td>February</td> <td>08</td> <td>August</td> </tr> <tr> <td>03</td> <td>March</td> <td>09</td> <td>September</td> </tr> <tr> <td>04</td> <td>April</td> <td>10</td> <td>October</td> </tr> <tr> <td>05</td> <td>May</td> <td>11</td> <td>November</td> </tr> <tr> <td>06</td> <td>June</td> <td>12</td> <td>December</td> </tr> </table> Day: 01-31 Year: The year must be 4-digit s ex:2001. UNK Unknown (either inadequate or no documentation) NA Not applicable, not an inpatient at your hospital	01	January	07	July	02	February	08	August	03	March	09	September	04	April	10	October	05	May	11	November	06	June	12	December
01	January	07	July																						
02	February	08	August																						
03	March	09	September																						
04	April	10	October																						
05	May	11	November																						
06	June	12	December																						
Discussion/Uses	This time may or may not coincide with the <b>Hospital Arrival Date</b> . For example, the patient was dropped off by EMS Agency at 23:45 12/01/2001 but was not admitted as an inpatient until 00:10 12/02/2001. ( <b>Hospital Arrival Date</b> = 12/01/2001 and <b>Inpatient Admission Date</b> = 12/02/2001)																								
EDITS	UT.E10																								
EXPORT FIELD	HOSPITAL_ADMISSION_DATE (247)																								

### **E11. Inpatient Discharge Time**

Definition	The time the patient died, was discharged, or was transferred from your hospital.
Software Field Name	DISCHARGE_TIME
Data Type	Time – hh:mm (Single entry allowed)
Values	Range: 00:00 to 23:59. UNK Unknown (either inadequate or no documentation) NA Not applicable, not an inpatient at your hospital
Discussion/Uses	None
EDITS	UT.E11
EXPORT FIELD	HOSPITAL_DEPARTURE_TIME (144)

**E12. Inpatient Discharge Date**

Definition	The date the patient died, was discharged, or was transferred from your hospital.																								
Software Field Name	DISCHARGE_DATE																								
Data Type	Date - mmddyyyy (Single entry allowed)																								
Values	Valid date (“/”s and “-”s not needed in data entry) Month: <table border="0" style="margin-left: 20px;"> <tr> <td>01</td> <td>January</td> <td>07</td> <td>July</td> </tr> <tr> <td>02</td> <td>February</td> <td>08</td> <td>August</td> </tr> <tr> <td>03</td> <td>March</td> <td>09</td> <td>September</td> </tr> <tr> <td>04</td> <td>April</td> <td>10</td> <td>October</td> </tr> <tr> <td>05</td> <td>May</td> <td>11</td> <td>November</td> </tr> <tr> <td>06</td> <td>June</td> <td>12</td> <td>December</td> </tr> </table> Day: 01-31 Year: The year must be 4-digits, i.e.: 2001. UNK Unknown (either inadequate or no documentation) NA Not applicable, not an inpatient at your hospital	01	January	07	July	02	February	08	August	03	March	09	September	04	April	10	October	05	May	11	November	06	June	12	December
01	January	07	July																						
02	February	08	August																						
03	March	09	September																						
04	April	10	October																						
05	May	11	November																						
06	June	12	December																						
Discussion/Uses	None																								
EDITS	UT.E12																								
EXPORT FIELD	HOSPITAL_DEPARTURE_DATE (143)																								

### **E13. ED/Inpatient Pulse Rate**

Definition	The first palpable pulse rate expressed as number per minute initially assessed upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	PULSE
Data Type	Character (Single entry allowed)
Values	Range: 0—400  NOT Not assessed per documentation  UNK Unknown (either inadequate or no documentation)  NA Not applicable, not an ED/inpatient at your hospital
Discussion/Uses	This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival in your hospital (ED or inpatient admit). If it is not done in this time period, record NOT.
EDITS	UT.E13
EXPORT FIELD	PULSE / VS_LOCATION_CODE / VS_NUMBER (55/166/65)

**E14. ED/Inpatient Respiratory Rate**

Definition	The first unassisted patient respiratory rate expressed as number per minute initially assessed upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	RESP_RATE
Data Type	Character (Single entry allowed)
Values	<p>Range: 0—100</p> <p>*If patient is apneic prior to intervention, record as 0.</p> <p>ASSIST Unassisted rate is not measurable due to sedation, paralysis or assisted ventilation (including bag-valve-mask and EOA).</p> <p>NOT Not assessed (reason other than ASSIST) per documentation</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, not an ED/inpatient at your hospital</p>
Discussion/Uses	<p>This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival in your hospital (ED or inpatient admit). If it is not done in this time period, record NOT.</p> <p>The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score, page 159.</p>
EDITS	UT.E14
EXPORT FIELD	RESP_RATE / VS_LOCATION_CODE / VS_NUMBER (53/166/65)

### **E15. ED/Inpatient Systolic Blood Pressure**

Definition	The systolic blood pressure initially assessed upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	SYS_BP
Data Type	Character (Single entry allowed)
Values	Range: 0—300  NOT Not assessed per documentation  UNK Unknown (either inadequate or no documentation)  NA Not applicable, not an ED/inpatient at your hospital
Discussion/Uses	This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival in your hospital (ED or inpatient admit). If it is not done in this time period, record NOT.  The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score, page 159.
EDITS	UT.E15
EXPORT FIELD	SYS_BP / VS_LOCATION_CODE / VS_NUMBER (56/166/65)

**E16. ED/Inpatient Eye Opening Response**

Definition	The first assessment of eye opening for the Glasgow Coma Score upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	EYE_OPENING
Data Type	Character (Single entry allowed)
Values	<p>Range: 1—4</p> <p><u>Pediatric</u> eye opening response                      (*For the purposes of this data element, a pediatric patient is defined as a person &lt;50 kg or 10 years of age and younger.)</p> <p>1      No eye opening</p> <p>2      Eye opening to pain</p> <p>3      Eye opening to verbal command</p> <p>4      Eyes open spontaneously</p> <p><u>Adult</u> eye opening response</p> <p>1      No eye opening</p> <p>2      Eye opening to pain</p> <p>3      Eye opening to verbal command</p> <p>4      Eyes open spontaneously</p> <hr/> <p>NOT    Not assessed per documentation</p> <p>UNK    Unknown (either inadequate or no documentation)</p> <p>NA     Not applicable, not an ED/inpatient at your hospital</p>
Discussion/Uses	<p>This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival in your hospital (ED or inpatient admit). If it is not done in this time period, record NOT.</p> <p>The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score.</p>
EDITS	UT.E16
EXPORT FIELD	EYE_OPENING / VS_LOCATION_CODE / VS_NUMBER (59/166/65)

**E17. ED/Inpatient Verbal Response**

Definition	The first assessment of verbal response for the Glasgow Coma Score upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	VERBAL_RESPONSE
Data Type	Character (Single entry allowed)
Values	<p>Range: 1—5</p> <p>*If the patient is intubated and deeply comatose, enter 1. If an intubated patient can respond appropriately, the provider may gauge the responses and assign a 1 (none) to 5 (oriented).</p> <p><u>Pediatric verbal response</u></p> <p>(*For the purposes of this data element, a pediatric patient is defined as a person &lt;50 kg or 10 years of age and younger.)</p> <p>1 No vocal response</p> <p>2 Inconsolable, agitated</p> <p>3 Inconsistently consolable, moaning</p> <p>4 Cries but is consolable, inappropriate interactions</p> <p>5 Smiles, oriented to sounds, follows objects, interacts</p> <p><u>Adult verbal response</u></p> <p>1 No verbal response</p> <p>2 Incomprehensible sounds; moaning</p> <p>3 Inappropriate words</p> <p>4 Confused</p> <p>5 Oriented</p> <hr/> <p>NOT Not assessed per documentation</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, not an ED/inpatient at your hospital</p>
Discussion/Uses	<p>This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival in your hospital (ED or inpatient admit). If it is not done in this time period, record NOT.</p> <p>The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score.</p>
EDITS	UT.E17
EXPORT FIELD	VERBAL_RESPONSE / VS_LOCATION_CODE / VS_NUMBER (61/166/65)

**E18. ED/Inpatient Motor Response**

Definition	The first assessment of motor response for the Glasgow Coma Score upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	MOTOR_RESPONSE
Data Type	Character (Single entry allowed)
Values	<p>Range: 1—6</p> <p>*An appropriate response for a quadriplegic may be shrugging shoulders or purposeful movement on command.</p> <p><u>Pediatric</u> motor response</p> <p>(*For the purposes of this data element, a pediatric patient is defined as a person &lt;50 kg or 10 years of age and younger.)</p> <p>1 No motor response</p> <p>2 Extension to pain</p> <p>3 Flexion to pain</p> <p>4 Withdrawal from pain</p> <p>5 Localizing pain</p> <p>6 Obeys commands with appropriate motor response</p> <p><u>Adult</u> motor response</p> <p>1 No motor response</p> <p>2 Extension to pain</p> <p>3 Flexion to pain</p> <p>4 Withdrawal from pain</p> <p>5 Localizing pain</p> <p>6 Obeys commands with appropriate motor response</p> <hr/> <p>NOT Not assessed per documentation</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, not an ED/inpatient at your hospital</p>
Discussion/Uses	<p>This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival in your hospital (ED or inpatient admit). If it is not done in this time period, record NOT.</p> <p>The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score, page 159.</p>
EDITS	UT.E18
EXPORT FIELD	MOTORL_RESPONSE / VS_LOCATION_CODE / VS_NUMBER (62/166/65)

**E19. ED/Inpatient Eye Opening Response GCS Qualifier (Eye Obstruction)**

**Definition** A flag used to indicate if patient is experiencing some obstruction to the eye that would hinder the first assessment of the Glasgow Coma Score upon arrival in the ED (or hospital for direct admit patients).

**Software Field Name** EYE\_STATUS

**Data Type** Character (Single entry allowed)

**Values**

- Y Yes, patient had eye obstruction.
- N No indication that patient had eye obstruction.
- UNK Unknown (either inadequate or no documentation)
- NA Not applicable, not an ED/inpatient at your hospital

**Discussion/Uses**

**EDITS** UT.E19

**EXPORT FIELD** EYE\_STATUS / VS\_LOCATION\_CODE / VS\_NUMBER (734/166/65)

**E20. ED/Inpatient Verbal Response GCS Qualifier (Intubated)**

Definition	A flag used to indicate if patient was intubated at the time of first assessment of the Glasgow Coma Score upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	VERBAL_STATUS
Data Type	Character (Single entry allowed)
Values	Y Yes, patient intubated. N No indication that patient intubated. UNK Unknown (either inadequate or no documentation) NA Not applicable, not an ED/inpatient at your hospital
Discussion/Uses	
EDITS	UT.E20
EXPORT FIELD	MOTOR_STATUS / VS_LOCATION_CODE / VS_NUMBER (735/166/65)

**E21. ED/Inpatient Motor Response GCS Qualifier (Chemically Paralyzed)**

**Definition** A flag used to indicate if patient was chemically paralyzed at the time of first assessment of the Glasgow Coma Score upon arrival in the ED (or hospital for direct admit patients).

**Software Field Name** MOTOR\_STATUS

**Data Type** Character (Single entry allowed)

**Values**

- Y Yes, patient was chemically paralyzed.
- N No indication that patient was chemically paralyzed.
- UNK Unknown (either inadequate or no documentation)
- NA Not applicable, not an ED/inpatient at your hospital

**Discussion/Uses**

**EDITS** UT.E21

**EXPORT FIELD** MOTOR\_STATUS / VS\_LOCATION\_CODE / VS\_NUMBER (736/166/65)

## **E22. ED/Inpatient Glasgow Coma Score Total**

Definition	The severity of injury as reflected by the first assessment of total GCS upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	GLASCOW
Data Type	Character (Single entry allowed)
Values	Range: 3—15  If “A & O X 3” or “A & O X 4” is documented in medical chart, record GCS as 15.  UNK Unknown (either inadequate or no documentation)  NOT Not assessed per documentation  NA Not applicable, not an ED/inpatient at your hospital
Discussion/Uses	This measure should be in the first set of vital signs recorded within fifteen minutes of each other upon arrival in your hospital (ED or inpatient admit). If it is not done in this time period, record NOT.  The trauma registry software uses values entered in this field to calculate the Revised Trauma Score. See Appendix D—Calculating Revised Trauma Score, page 159.
EDITS	UT.E22 (Only trips if GCS can’t be calculated from entered values)
EXPORT FIELD	GLASCOW / VS_LOCATION_CODE / VS_NUMBER (164/166/65)

**E23. ED/Inpatient Airway Management**

Definition	Describes the airway resuscitation procedures performed upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	AIRWAY
Data Type	Character (Single entry allowed)
Values	<p>*Select the most invasive airway procedure successfully performed.</p> <p>ATT Attempted and documented unsuccessful</p> <p>BM Bag and mask</p> <p>CONT Continued airway management from EMS/referring hospital/scene</p> <p>CRIC Cricothyrotomy</p> <p>EOA Esophageal obturator</p> <p>NASO Nasopharyngeal airway</p> <p>NETT Nasal ETT</p> <p>ORAL Oral airway</p> <p>OETT Oral ETT</p> <p>TRACH Tracheostomy</p> <p>NONE Oxygen administration or nasal cannula only</p> <p>NOT Not performed per documentation</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, not an ED/inpatient at your hospital</p>
Discussion/Uses	Fill in the first set of procedures performed upon arrival in your hospital (ED or inpatient admit). If it is not done upon arrival, record NOT.
EDIT	UT.E23 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE LOCATION CODE / PROCEDURE_RESULT (129/118/115)

## **E24. ED/Inpatient CPR**

Definition	Identifies if CPR was performed upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	CPR
Data Type	Character (Single entry allowed)
Values	Y      Yes, CPR performed. N      No, CPR not performed per documentation. UNK    Unknown (either inadequate or no documentation) NA      Not applicable, not an ED/inpatient at your hospital
Discussion/Uses	Fill in the first set of procedures performed upon arrival in your hospital (ED or inpatient admit). If it is not done upon arrival, record NOT.
EDIT	UT.E24 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE LOCATION CODE / PROCEDURE_RESULT (129/118/115)

**E25. ED/Inpatient Fluids Administered**

Definition	Describes the volume of fluids administered upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	FLUIDS
Data Type	Character (Single entry allowed)
Values	Includes normal saline, dextrose, lactated ringers, and cryoprecipitate.  <u>Pediatrics</u> (*For the purposes of this data element, a pediatric patient is defined as a person <50 kg or 10 years of age and younger.) <20            Less than 20cc/kg administered 20-40         20 to 40cc/kg administered >40            Greater than 40cc/kg administered IVF.UNK      IV fluids: unknown amount  <u>Adults</u> <500           Less than 500 ml administered 500-2000     500 to 2000 ml administered >2000         Greater than 2000 ml administered IVF.UNK      IV fluids: unknown amount  <hr/> NOT            Not performed per documentation UNK            Unknown (either inadequate or no documentation) NA             Not applicable, not an ED/inpatient at your hospital
Discussion/Uses	Fill in the first set of procedures performed upon arrival in your hospital (ED or inpatient admit). If it is not done upon arrival, record NOT.
EDIT	UT.E25 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE LOCATION CODE / PROCEDURE_RESULT (129/118/115)

## **E26. ED/Inpatient Blood Given**

Definition	Specifies if blood or blood products were given upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	BLOOD
Data Type	Character (Single entry allowed)
Values	<p>Blood or blood products <b>include</b>: whole blood, packed red blood cells, platelets, plasmanate, cell saver, fresh frozen plasma, albumin.</p> <p>Blood or blood products <b>do not include</b>: artificial blood products such as cryoprecipitate.</p> <p>Y      Yes, blood or blood products given NOS.</p> <p>N      No, blood or blood products not given per documentation.</p> <p>UNK    Unknown (either inadequate or no documentation)</p> <p>NA     Not applicable, not an ED/inpatient at your hospital</p>
Discussion/Uses	Fill in the first set of procedures performed upon arrival in your hospital (ED or inpatient admit). If it is not done upon arrival, record NOT.
EDIT	UT.E26 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE LOCATION CODE / PROCEDURE_RESULT (129/118/115)

## **E27. ED/Inpatient Thoracostomy**

Definition	Describes if a thoracostomy (needle or chest tube) was performed upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	THOR
Data Type	Character (Single entry allowed)
Values	Y Yes, a thoracostomy was performed (or maintained from scene). N No, a thoracostomy was not performed per documentation. UNK Unknown (either inadequate or no documentation) NA Not applicable, not an ED/inpatient at your hospital
Discussion/Uses	Fill in the first set of procedures performed upon arrival in your hospital (ED or inpatient admit). If it is not done upon arrival, record NOT.
EDIT	UT.E27 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE LOCATION CODE / PROCEDURE_RESULT (129/118/115)

**E28. ED/Inpatient Head CT**

Definition	Describes if a head CT was performed upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	HEADCT
Data Type	Character (Single entry allowed)
Values	Y Yes, a head CT was performed. N No, a head CT was not performed per documentation. UNK Unknown (either inadequate or no documentation) NA Not applicable, not an ED/inpatient at your hospital
Discussion/Uses	Fill in the first set of procedures performed upon arrival in your hospital (ED or inpatient admit). If it is not done upon arrival, record NOT.
EDIT	UT.E28 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE LOCATION CODE / PROCEDURE_RESULT (129/118/115)

### **E29. ED/Inpatient Diagnostic Peritoneal Lavage**

Definition	Indicates if a diagnostic peritoneal lavage (DPL or PL) was performed upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	PL
Data Type	Character (Single entry allowed)
Values	Y Yes, a DPL was performed. N No, a DPL was not performed per documentation. UNK Unknown (either inadequate or no documentation) NA Not applicable, not an ED/inpatient at your hospital
Discussion/Uses	Fill in the first set of procedures performed upon arrival in your hospital (ED or inpatient admit). If it is not done upon arrival, record NOT.
EDIT	UT.E29 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE LOCATION CODE / PROCEDURE_RESULT (129/118/115)

**E30. ED/Inpatient Focused Abdominal Sonography Test**

Definition	Determines if a focused abdominal sonography test (FAST) was performed upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	FAST
Data Type	Character (Single entry allowed)
Values	Y Yes, a FAST was performed. N No, a FAST was not performed per documentation. UNK Unknown (either inadequate or no documentation) NA Not applicable, not an ED/inpatient at your hospital
Discussion/Uses	Fill in the first set of procedures performed upon arrival in your hospital (ED or inpatient admit). If it is not done upon arrival, record NOT.
EDIT	UT.E30 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE LOCATION CODE / PROCEDURE_RESULT (129/118/115)

### **E31. ED/Inpatient Abdominal CT**

Definition	Determines if an abdominal CT was performed upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	ABDCT
Data Type	Character (Single entry allowed)
Values	Y Yes, an abdominal CT was performed. N No, an abdominal CT was not performed per documentation. UNK Unknown (either inadequate or no documentation) NA Not applicable, not an ED/inpatient at your hospital
Discussion/Uses	Fill in the first set of procedures performed upon arrival in your hospital (ED or inpatient admit). If it is not done upon arrival, record NOT.
EDIT	UT.E31 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE LOCATION CODE / PROCEDURE_RESULT (129/118/115)

### **E32. ED/Inpatient Thorocotomy**

Definition	Determines if a thorocotomy (open chest) was performed upon arrival in the ED (or hospital for direct admit patients).
Software Field Name	ED_TCOT
Data Type	Character (Single entry allowed)
Values	Y Yes, thorocotomy was performed N No, thorocotomy was not performed per documentation UNK Unknown (either inadequate or no documentation) NA Not applicable, not an ED/inpatient at your hospital
Discussion/Uses	Fill in the first set of procedures performed upon arrival in your hospital (ED or inpatient admit). If it is not done upon arrival, record NOT.
EDIT	UT.E32 (Pass)
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE LOCATION CODE / PROCEDURE_RESULT (129/118/115)

**E33. ED Discharge Disposition**

Definition	The disposition of the patient at time of discharge from the ED.	
Software Field Name	ED_DISPOSITION_CODE	
Data Type	Character (Single entry allowed)	
Values	FLOOR	Floor Bed (general admission, non specialty unit hospital bed)
	OR	Operating room
	OBS	Observation unit (a unit in or out of ED that provides for < 24 hour stays)
	ICU	Intensive care unit (a unit that provides care for patients with highest acuity)
	TELE	Telemetry/Step-down unit (a unit providing less acute care than ICU but more than hospital floor)
	HOME	Home
	HOSP	Transferred to another hospital (transferred out to another acute care facility by an EMS Agency)
	DOA	Dead on arrival (patient arrives to ED dead and not worked)
	D	Death in ED (patient arrives to ED alive and dies after arrival in ED and before discharge from ED)
	AMA	Left against medical advice
	EOL	Hospice or End of Life DC Unit
	UNK	Unknown (inadequate or no documentation)
	NA	Not applicable, not seen in ED and/or was a Direct Admit ( <b>Admit Type = 'D'</b> )
Discussion/Uses		
EDITS	UT.E33; UT.E33S; UT.E33SV	
EXPORT FIELD	ED_DISPOSITION_CODE_SRC (471)	

### **E34. ED Transferring EMS Agency**

Definition	The EMS Agency that transferred the patient out of your ED, if patient was discharged to another hospital ( <b>ED Discharge Disposition</b> = 'HOSP').
Software Field Name	ED_TRANSFER_MODE
Data Type	Integer (Single entry allowed)
Values	Range: 0101L—2931L  *Each <b>EMS Agency</b> in the state of Utah is assigned a code by the Utah Department of Health. See Appendix B—EMS Agency Codes, page 152 for the list of Licensed Utah EMS Agency codes.  OTHEROther  UNK Unknown (either inadequate or no documentation)  NA Not applicable, patient not transferred to another hospital ( <b>ED Discharge Disposition</b> <u>does not</u> = 'HOSP').
Discussion/Uses	This field is conditional. Complete only if the patient was transferred from your hospital to another hospital ( <b>ED Discharge Disposition</b> = 'HOSP' and ADMIT_TYPE = 'T')
EDITS	UT.E34
EXPORT FIELD	ED_TRANSFER_MODE (175)

### **E35. ED Discharge Destination Hospital**

Definition	The receiving hospital if the patient was transferred out of the ED to another hospital ( <b>ED Discharge Disposition</b> = 'HOSP').
Software Field Name	ED_DESTINATION_CODE
Data Type	Character (Single entry allowed)
Values	<p>Hospital codes are assigned by the Utah Department of Health. The list of codes can be found in <b>Error! Reference source not found.</b>, page <b>Error! Bookmark not defined.</b></p> <p>Codes under 100 (non-hospital codes) are not valid.</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, patient not transferred to another hospital (<b>ED Discharge Disposition</b> <u>does not</u> = 'HOSP').</p>
Discussion/Uses	This field is conditional. Complete only if the patient was transferred from your hospital to another hospital ( <b>ED Discharge Disposition</b> = 'HOSP').
EDITS	UT.E35
EXPORT FIELD	ED_DESTINATION_CODE_SRC (176)

### **E36. Inpatient Discharge Disposition**

Definition The disposition of the patient at the time of discharge from your hospital.

Software Field Name DC\_DISPOSITION\_CODE

Data Type Character (Single entry allowed)

Values	HOSP	Transferred to another acute care hospital
	HOME	Returned home, self care
	HH	Returned home, requiring home health services and/or outpatient rehabilitation
	NH	Transferred to a residential facility without skilled nursing services or with an unknown level of nursing care
	REHAB	Transferred to an inpatient rehabilitation facility
	SWING	Hospital long-term care bed
	TCU	Transitional care unit
	JAIL	Release to jail facility or other detention center
	OTHER	Other
	DOA	Dead on arrival
	D	Death in hospital
	AMA	Left against medical advice
	EOL	End of Life Care/Hospice
	UNK	Unknown (either inadequate or no documentation)
	NA	Not applicable, not an inpatient at your hospital

Discussion/Uses

EDIT UT.E36; UT.E36S; UT.E36SV

EXPORT FIELD DC\_DISPOSITION\_CODE\_SRC (249)

### **E37. Inpatient Discharge Destination Hospital**

---

Definition	The receiving hospital if the patient was transferred out of your hospital to another hospital ( <b>Inpatient Discharge Disposition</b> = 'HOSP').
Software Field Name	DC_DESTINATION_CODE
Data Type	Integer (Single entry allowed)
Values	<p>Hospital codes are assigned by the Utah Department of Health. The list of codes can be found in <b>Error! Reference source not found.</b>, page <b>Error! Bookmark not defined.</b></p> <p>Codes under 100 (non-hospital codes) are not valid.</p> <p>UNK Unknown (either inadequate or no documentation)</p> <p>NA Not applicable, patient not transferred to another hospital (<b>Inpatient Discharge Disposition</b> <u>does not</u> = 'HOSP').</p>
Discussion/Uses	This field is conditional. Complete only if the patient was transferred from your hospital to another hospital ( <b>Inpatient Discharge Disposition</b> = 'HOSP').
EDITS	UT.E37; UT.E37S; UT.E37SV
EXPORT FIELD	DC_DESTINATION_CODE_SRC (14)

**E38. Outcome**

Definition	The patient's survival status at your hospital.
Software Field Name	OUTCOME
Data Type	Character (Single entry allowed)
Values	A     Alive D     Dead
Discussion/Uses	This field applies to all patients regardless of admit status.
EDITS	UT.E38; UT.E38V(if outcome is D, makes sure destination is 85 or 55)
EXPORT FIELD	OUTCOME (13)

### **E39. Functional Discharge Status**

**Definition** The **self-feeding score** is the functional independence measure of a patient’s self-feeding abilities upon discharge from the hospital. Includes using suitable utensils to bring food to mouth chewing and swallowing. Opening containers, cutting meat, buttering bread and pouring liquids are not included, as they are often part of meal preparation.

The **locomotion score** is the functional independence measure of a patient’s locomotion abilities upon discharge from the hospital. Includes walking once in a standing position, or using a wheelchair, once in a seated position indoors.

The **expression score** is a functional independence measure of expression. Includes clear expression of verbal or nonverbal language. This means expressing linguistic information verbally or graphically with appropriate and accurate meaning and grammar.

**Software Field Name** EXP\_PED, FEED\_PED, DCSTATUS\_ABILITY

**Data Type** Character (Single entry allowed)

**Values** **Self-feeding score**

- 4 Independent, eats and drinks in a customary manner
- 3 Independent with device, eats drinks with device assistance
- 2 Dependent, requires supervision with eating
- 1 Dependent, does not eat or drink by mouth
- NA Not applicable (died or child <3 years old)
- NOT Not assessed per documentation
- UNK Unknown (either inadequate or no documentation)

**Locomotion score**

- 4 Independent, walks 150 ft without device assistance
- 3 Independent with device, walks or wheels 150 ft with device assistance
- 2 Dependent with some assistance, walks or wheels 50 ft with supervision

- Values
- 1 Dependent, does not walk or wheel at least 50 ft
  - NA Not applicable (died or child not yet walking)
  - NOT Not assessed per documentation
  - UNK Unknown (either inadequate or no documentation)

**Expression score**

- 4 Independent, expresses ideas intelligently and fluently
- 3 Independent with device, expresses ideas with mild difficulty
- 2 Dependent, expresses basic needs half the time
- 1 Dependent, expresses basic needs with prompting
- NA Not applicable (died or child <5 years old)
- NOT Not assessed per documentation
- UNK Unknown (either inadequate or no documentation)

Select the most appropriate functional discharge status score of a patient's self-feeding, locomotion, and expression abilities. If patient has normal self-feeding, locomotion, and expression abilities select normal.

For patients seen at Primary Children's Medical Center, enter the appropriate WEEFIM score when applicable.

UT.E39EXP; UT.E39FEED; UT.E39LOC

ORGAN\_SRC / DISCHARGE\_CONDITIONS\_SRC (234/140)

Discussion/Uses

EDITS

EXPORT FIELD

#### **D40. Inpatient Length of Stay**

**Definition** The total number of patient days for an inpatient episode, calculated by subtracting the date of discharge from the date of admission.

**Software Field Name** LOS

**Data Type** Integer (Single entry allowed)

**Values** Range: 0—600

0 ED/transfer patient only. Not admitted as an inpatient.

**Discussion/Uses** If a patient is admitted as an inpatient and discharged on the same day, the LOS is 1 day. Patients only seen in the ED or transferred out should have a length of stay recorded as 0.

**EDITS** UT.E40; UT.E40V (checks for negative LOS)

**EXPORT FIELD** LOS (119)



**E41. Payment Sources**

Definition	Indicates sources of payment to this hospital for the visit.	
Software Field Name	PAYMENT_SOURCE	
Data Type	Character (Multiple entry allowed)	
Values	<b>BCBS</b>	<b>Blue Cross/Blue Shield-</b> Includes state or regional Blue Cross, Blue Shield, or Blue Cross/Blue Shield (BCBS) indemnity plans. These can fall under the guise of a state medical society, a prominent institution or a large regional employer and, as such, the BCBS indemnity plan may assume a hybrid title with the sponsoring institution.
	<b>COM</b>	<b>Commercial Insurance-Other commercial plans-</b> Includes any commercial health insurance plan that does not enroll physicians as part of a network or require that its physicians obtain authorization prior to hospitalization of non-emergent patients. Such plans include fee-for-service coverage and managed indemnity organizations (these organizations may require that their physicians obtain authorization prior to hospitalization of non-emergent patients, although they are not classified as managed care organizations because they do not enroll physicians as part of a network).
	<b>GOVT HMO</b>	<b>Other Government subsidized programs Health Maintenance OrganizationHMO / PPO/ POS</b> Commercial health indemnity plans whose physicians are part of an integrated network and must obtain authorization prior to hospitalization of non-emergency organizations, point-of-service organizations, independent practice organizations, and exclusive provider organizations patients. Such plans include health maintenance organizations, preferred provider
	<b>IHS LAW</b>	<b>Indian Health Service Law Enforcement-</b> Includes patients in custody of public safety agency.
		<b>MCAID Medicaid-Includes any trauma patient receiving federal/state funding of their inpatient medical bills under Title XIX of the Social Security Act. This will generally involve patients who are recipients of Aid to Families with Dependent Children or Social Security Income, pregnant women and children below the Federal poverty level (FPL), as well as certain aged, blind, disabled, and institutionalized persons below the FPL, and other medically needy persons. Dual eligible, that are those patients who receive both Medicare and Medicaid support should be coded as Medicare since Medicaid contributions to the hospital bill for dual eligible are most often supplementary to the primary payer, Medicare. Individuals covered under Medicaid 1115 or similar plans whose hospital care is paid for via public Medicaid funds yet overseen by a commercial managed care organization, should be coded as Medicaid and not managed care organization patients.</b>

Values	<p><b>MCARE</b> <b>Medicare</b>-Includes any trauma patient receiving federal funding of their inpatient medical bills under Title XVIII of the Social Security Act. This will generally involve patients 65 or more years of age, patients entitled to disability benefits for 24 months or more, end-stage renal disease patients, and certain otherwise non-covered persons who elect to buy into the program. Dual eligible, which are those patients who receive both Medicare and Medicaid support, should be coded as Medicare since Medicaid contributions to the hospital bill for dual eligible are most often supplementary to the primary payer, Medicare. Individuals covered under Medicare coordinated plans whose hospital care is paid for via public Medicare funds yet overseen by a commercial managed care organization, should be coded as Medicare and not managed care organization patients.</p> <p><b>NF</b> <b>No Fault Automobile Insurance</b>-Includes any reimbursement of hospital medical bills by a commercial automobile insurance program resulting from injuries suffered during a motor vehicle crash.</p> <p><b>OTHER</b> <b>Other</b>-Includes any other payment source not previously classified (Example: Shriners, Victims of Crime, Med Utah, etc.)</p> <p><b>SELF</b> <b>Self-pay</b> Includes cases where the patient is listed as the primary source of payment for their own medical care. This classification applies whether or not payment was actually obtained by the billing institution or clinician.</p> <p><b>WORK</b> <b>Workers Compensation</b>-Includes any primary source of hospital payment via a worker's compensation program for individuals suffering on-the-job injuries.</p> <p><b>CHIP</b> <b>CHIP</b> The State Children's Health Insurance Program was initiated for children in families who make too much to qualify for Medicaid, but who cannot afford to purchase health insurance on their own.</p> <p><b>NA</b> <b>Not applicable</b></p> <p><b>UNK</b> <b>Unknown</b>-The principal payment source is not known.</p>
Discussion/Uses	<p>List as many payment sources as apply sequentially from primary payment source to secondary payment source, etc. The order that payment sources are entered will determine whether it is the primary, secondary, etc. payment source.</p> <p>Used for reimbursement evaluation, health care administration, finance, research.</p>
EDITS	UT.E41; UT.E41S; UT.E41SV
EXPORT FIELD	PAYMENT_SOURCE_SRC (138)

## **E42. Transfer Reason**

Definition	The reason for transferring the patient to another Acute Care Facility	
Software Field Name	TRANSFER_REASON	
Data Type	Character (Single entry allowed)	
Values	<b>INS</b>	Insurance
	<b>HIGHER</b>	Specialty Care/ Higher Level Care
	<b>RESOURCE</b>	Resources Unavailable (Beds, Equipment, Staff, MD)
	<b>PTREQ</b>	Patient Request
	<b>LOWER</b>	Lower Level Care
	<b>UNK</b>	Undocumented, Unknown
	<b>NA</b>	Not Applicable, Not Transferred
Discussion/Uses	Added in 2004 to clarify Transfers.  This field will appear as a popup question in TraumaBase/Basic if EITHER the ED or DC Disposition is "HOSP"	
EDITS	UT.E42; UT.E42S  These edits should <u>only</u> trip if the HOSPITAL_DEPARTURE_YEAR is 2004 or greater AND if either the ED or DC Disposition code is "HOSP"	
EXPORT FIELD	TRANSER_REASON_SRC (429)	

### **E43. DC Transferring EMS Agency**

Definition	The EMS Agency that transferred the patient out of your Inpatient Unit, if patient was discharged to another hospital ( <b>DC Discharge Disposition</b> = 'HOSP').
Software Field Name	DC_TRANSFER_MODE
Data Type	Character (Single entry allowed)
Values	Range: 0101L—2931L  *Each <b>EMS Agency</b> in the state of Utah is assigned a code by the Utah Department of Health. See Appendix B—EMS Agency Codes, page 152 for the list of Licensed Utah EMS Agency codes.  OTHEROther  UNK Unknown (either inadequate or no documentation)  NA Not applicable, patient not transferred to another hospital ( <b>DC Discharge Disposition</b> <u>does not</u> = 'HOSP').
Discussion/Uses	Added in 2004 to clarify Transfers.  This field is conditional. Complete only if the patient was transferred from your hospital to another hospital ( <b>DC Discharge Disposition</b> = 'HOSP')
EDITS	UT.E43; UT.E43S  These edits should <u>only</u> trip if the HOSPITAL_DEPARTURE_YEAR is 2004 or greater AND if either the DC Disposition code is "HOSP"
EXPORT FIELD	DC_TRANSFER_MODE_SRC (698)

## **F. Diagnosis Data**

**F1. ICD-9-CM Diagnosis Codes**

**Definition** The 15 most severe ICD-9-CM diagnosis codes for each major diagnosis of the trauma patient. Please include all injury diagnosis codes, then major medical diagnosis codes and pre-existing condition diagnosis codes.

**Software Field Name** ICD9\_1 – ICD9\_10 (Injury codes); ICD9\_N1- ICD9\_N5 (Non-injury codes)

**Data Type** Numeric (Multiple values allowed)

**Values** Utah Trauma Registry ICD-9-CM Injury Diagnosis Code Range:  
 800.0-959.9,995.50, 995.53, 995.54, 995.55, 995.59, 760.5, 641.8, 518.5

Example of Major Medical and Pre-Existing Condition ICD-9-CM Codes:

Myocardial Infarction	410
Hypertension	401-405
COPD	490-496
Stroke	436
Diabetes	250
Liver Disease	571
Pneumonia	480
Obesity	278

See diagnostic codes found in the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) for available value codes.

**Discussion/Uses** This field cannot be left blank. If a medical chart lists diagnosis codes, record the codes starting with the most severe injury diagnoses. If no diagnosis codes are found in medical chart or coding is incomplete, code using software code-finder lookup.

Key the ICD-9-CM code in and hit enter. This will add to the list of codes. Or you may also select the code-finder method of finding ICD-9-CM codes from options in Trauma Registry software.

**EDITS** UT.F1

**EXPORT FIELD** ICD9 (95)

## **F2. Diagnosis Text**

Definition	A text description for each ICD-9-CM injury diagnosis code.
Software Field Name	DIAGNOSES
Data Type	Character/Free text field (Multiple values allowed)
Values	All values are allowed. The trauma registry software will default <b>Diagnoses Text</b> corresponding to the <b>ICD-9-CM Diagnosis Codes</b> chosen or you may enter free text.
Discussion/Uses	
EDITS	UT.F2
EXPORT FIELD	DIAGNOSES (92)

### F3. Region

Definition	The body region corresponding to the ICD-9-CM injury diagnosis code chosen.																										
Software Field Name	REGION1_REGION10																										
Data Type	Character (Multiple value allowed)																										
Values	<p><u>Manual entry is not required.</u> The trauma registry software will default to a body <b>Region</b> based on the <b>ICD-9-CM Diagnosis Codes</b> entered.</p> <table border="0"> <tr><td>ABD</td><td>Abdomen/Pelvic Contents</td></tr> <tr><td>ARM</td><td>UpperExtremities</td></tr> <tr><td>CHEST</td><td>Thorax</td></tr> <tr><td>CS</td><td>CervicalSpine</td></tr> <tr><td>EXT</td><td>External</td></tr> <tr><td>FACE</td><td>Face</td></tr> <tr><td>HEAD</td><td>Head</td></tr> <tr><td>LEG</td><td>Lower Extremities</td></tr> <tr><td>LS</td><td>Lumbar Spine</td></tr> <tr><td>NECK</td><td>Neck</td></tr> <tr><td>SPINE</td><td>Spine Unspecified</td></tr> <tr><td>TS</td><td>Thoracic Spine</td></tr> <tr><td>UNSPEC</td><td>Unspecified</td></tr> </table> <p>*This is a standard list used for later AIS and ISS calculations and should not be altered by the user.</p>	ABD	Abdomen/Pelvic Contents	ARM	UpperExtremities	CHEST	Thorax	CS	CervicalSpine	EXT	External	FACE	Face	HEAD	Head	LEG	Lower Extremities	LS	Lumbar Spine	NECK	Neck	SPINE	Spine Unspecified	TS	Thoracic Spine	UNSPEC	Unspecified
ABD	Abdomen/Pelvic Contents																										
ARM	UpperExtremities																										
CHEST	Thorax																										
CS	CervicalSpine																										
EXT	External																										
FACE	Face																										
HEAD	Head																										
LEG	Lower Extremities																										
LS	Lumbar Spine																										
NECK	Neck																										
SPINE	Spine Unspecified																										
TS	Thoracic Spine																										
UNSPEC	Unspecified																										
Discussion/Uses	The trauma registry software uses the <b>Region</b> and the injury diagnoses' associated <b>AIS Score</b> in calculating the <b>Injury Severity Score (ISS)</b> . See Appendix F—Calculating Injury Severity Score.																										
EDITS	UT.F3																										
EXPORT_FIELD	REGION (94)																										

#### **F4. Abbreviated Injury Scale (AIS) Score**

Definition	The <b>Abbreviated Injury Scale (AIS) Score</b> is a numeric classification of the severity of the patient's injuries listed from ICD-9-CM diagnosis codes. The <b>AIS Score</b> recorded here is defined as value to the right of the decimal in the full 7-digit AIS Code.
Software Field Name	AIS1— AIS10
Data Type	Character (Multiple entry allowed)
Values	<p><u>Manual entry is not required.</u> The trauma registry software will default to a <b>AIS Score</b> based on the <b>ICD-9-CM Diagnosis Codes</b> entered.</p> <p><b>AIS Score</b> assigned only for ICD-9-CM injury diagnosis codes: 800 -- 959.9, 760.5, 641.8, and 518.5.</p> <p>Range: 1—6 (See Appendix E—Calculating Abbreviated Injury Scale , page 160.)</p> <p>9        Unknown or Not applicable</p>
Discussion/Uses	<p>The <b>AIS Score</b> should not be assigned on a subjective basis, but as the result of coding the full 7-digit <b>AIS Score</b> through the current AIS Coding book. In the trauma registry software, the value options intentionally do not contain descriptions for numbers 2, 3, 4, and 5 for this reason.</p> <p>The trauma registry software uses the <b>Region</b> and its' associated <b>AIS Score</b> in calculating the <b>Injury Severity Score (ISS)</b>. See Appendix F—Calculating Injury Severity Score, page 161.</p>
EDITS	UT.F4 (works only if you add 1 or 2 to the LEVEL field in the INSTITUTE file...this is for TraumaBase hospitals only.
EXPORT FIELD	AIS (93)

## **F5. Injury Severity Score (ISS)**

Definition	The <b>Injury Severity Score (ISS)</b> calculated from multiple values for the <b>AIS Score</b> . The <b>ISS</b> is the sum of squares of the three highest values for the <b>AIS Score</b> from the three most severely injured body <b>Regions</b> . See Appendix F—Calculating Injury Severity Score.
Software Field Name	ISS
Data Type	Character (Multiple values allowed)
Values	<u>Manual entry is not required.</u> The trauma registry software will internally calculate <b>ISS</b> based on <b>AIS Scores</b> for the three most severely injured body <b>Regions</b> .  Range: 1—75  UNK Unknown
Discussion/Uses	If any of the three values for <b>AIS Score</b> is 9 (meaning Unknown or Not applicable), an <b>ISS</b> cannot be calculated and the trauma registry software will generate an UNK (Unknown) value.
EDITS	UT.F5 (onl for TraumaBase hospitals..see above)
EXPORT FIELD	ISS (51)

## **F6. Diagnoses Side**

Definition	The Diagnoses Side	
Software Field Name	DIAGNOSES_SIDE	
Data Type	Character (Multiple values allowed)	
Values	L	Left Side
	R	Right Side
	UNK	Unknown
	NA	Not Applicable
Discussion/Uses	This field added in 2004 to clarify isolated extremities (arm and leg) for the Utah Exclusion criteria (Ground Level Fall with age GE 65 and <u>Isolated Extremity Injury</u> )	
EDITS	F.6	
	This edit should only trip when the field is blank and the REGION is 'Arm' or 'Leg'	
EXPORT FIELD	DIAGNOSES_SIDE (775)	

## **G. Procedure Data**

## **G1. Procedure Code Group**

Definition	The general grouping category for procedures done to the patient either at the scene, referring hospital, emergency department or admitting hospital (including the OR).
Software Field Name	PROCEDURE_CODE
Data Type	Character (Multiple values allowed)
Values	<p>Values are listed in the trauma registry software pick list. Select the most appropriate <b>Procedure Code Group</b> for the specific procedure to be entered in the <b>ICD-9-CM Procedure Code</b> field.</p> <p>Procedures previously recorded in software (pertaining to Airway Management, CPR, Fluids Administered, Blood Given, Thoracostomy, Head CT, DPL, FAST, and Abdominal CT done at the scene, referring hospital, emergency department or other hospital location) will be auto-filled in this field by the trauma registry software.</p>
Discussion/Uses	None
EDITS	UT.G1; UT.G1S; UT.G1SV
EXPORT FIELD	PROCEDURE_CODE_SRC / PROCEDURE_EPISODE / PROCEDURE_LOCATION_CODE (129)

## **G2. Procedure Episode**

Definition	The operative episode number indicator for each OR procedure performed on the patient.
Software Field Name	EPISODE
Data Type	Character (Multiple values allowed)
Values	Range: 1—6  NA Not applicable, not an OR procedure
Discussion/Uses	This number is used to identify groups of procedures done at the same time in the OR.
EDITS	UT.G2 (trips only if PROCEDURE_LOCATION_CODE = "OR")
EXPORT FIELD	PROCEDURE_EPISODE (279)

### **G3. Procedure Location**

Definition	The location type where each procedure was performed on the patient.
Software Field Name	PROCEDURE_LOCATION_CODE
Data Type	Character (Multiple values allowed)
Values	REF Referring Hospital SCENE Scene (including Transporting Units) ED Emergency Department OR Operating Room OTHER Other location within your hospital other than ED and OR
Discussion/Uses	This data element is useful in grouping and identifying procedures done at various segments of patient trauma care.
EDITS	UT.G3
EXPORT FIELD	PROCEDURE_LOCATION_CODE (118)

#### **G4. Procedure ICD-9-CM Code**

Definition	Operative and essential procedures during hospital stay. Please include up to 15 ICD-9-CM operative procedure codes and major intervention codes.
Software Field Name	PROCEDURE_ICD9
Data Type	Character (Multiple values allowed)
Values	Range: 00.00—99.99  See procedure codes found in the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) found in Volume 3 for available value codes.
Discussion/Uses	List procedure codes that are recorded in the medical record. If no procedures are coded, use the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Volume 3 to select the appropriate code.
EDITS	UT.G4
EXPORT FIELD	PROCEDURE_ICD9 (212)

**G5. Procedure Start Time**

Definition	The start time for each procedure performed in the operating room.
Software Field Name	PROCEDURE_START_TIME
Data Type	Military Time - hh:mm (Multiple values allowed)
Values	Range: 00:00 to 23:59 UNK Unknown
Discussion/Uses	None
EDITS	UT.G5 (Only trips on OR Procedures right now...)
EXPORT FIELD	PROCEDURE_START_TIME (131)



**G6. Procedure Start Date**

Definition                    The start date for each procedure performed in the operating room.

Software Field Name    PROCEDURE\_START\_DATE

Data Type                    Date - mmddyyyy (Multiple values allowed)

Values                        Valid date (“/”s and “-”s not needed in data entry)

Month:

01	January	07	July
02	February	08	August
03	March	09	September
04	April	10	October
05	May	11	November
06	June	12	December

Day: 01-31

Year: The year must be 4-digits, i.e.: 2001.

UNK    Unknown (either inadequate or no documentation)

NA    Not applicable

Discussion/Uses            None

EDITS                        UT.G6

EXPORT FIELD            PROCEDURE\_START\_DATE (130)

## Appendix A

<u>Code</u>	<u>Description/Hospital</u>
010	Transporting Unit
025	Doctor's Office
030	Free Standing Clinic
040	Home
042	Rehab/TCU at your facility
043	Rehab/TCU at another facility
045	Long Term Facility/Nursing Home
046	End of Life Care/Hospice at Your Facility
047	End of Life Care/Hospice at another Facility or Home
050	Mental Health Facility
055	Mortuary Facility
060	Other Non-Hospital Facility
070	Police/Jail Facility
075	Airport
080	Diagnostic Facility
085	State Medical Examiner
090	Surgical Center
Hospitals:	
135	BEAR RIVER VALLEY HOSPITAL- Tremonton
140	BRIGHAM CITY COMMUNITY HOSPITAL- Brigham City
145	DAVIS HOSPITAL & MEDICAL CENTER- Layton
150	LAKEVIEW HOSPITAL- Bountiful
155	LOGAN REGIONAL HOSPITAL- Logan
160	MCKAY DEE HOSPITAL- Ogden
165	OGDEN REGIONAL MEDICAL CENTER- Ogden
170	MOUNTAIN WEST MEDICAL CENTER-Toole
180	CACHE VALLEY SPECIALTY HOSPITAL-North Logan
220	ALTA VIEW HOSPITAL- Sandy
225	COTTONWOOD HOSPITAL-Murray
230	SALT LAKE REGIONAL MEDICAL CENTER- Salt Lake City
235	JORDAN VALLEY HOSPITAL- West Jordan
240	LDS HOSPITAL- Salt Lake City
245	PIONEER VALLEY HOSPITAL- West Valley
250	PRIMARY CHILDREN'S MEDICAL CENTER- Salt Lake City
260	ST. MARK'S HOSPITAL-Salt Lake City
265	U OF U MEDICAL CENTER- Salt Lake City
270	VETERANS ADMINISTRATION MEDICAL CENTER- Salt Lake City
280	ROCKY MOUNTAIN MEDICAL CENTER- Salt Lake City
330	AMERICAN FORK HOSPITAL-American Fork
335	ASHLEY VALLEY MEDICAL CENTER- Vernal
340	CASTLEVIEW HOSPITAL- Price
345	UINTAH BASIN MEDICAL CENTER- Roosevelt
350	MOUNTAIN VIEW HOSPITAL-Payson
355	OREM COMMUNITY HOSPITAL- Orem
360	UTAH VALLEY HOSPITAL- Provo
365	HEBER VALLEY MEDICAL CENTER- Heber City
370	TIMPANOGOS REGIONAL MEDICAL CENTER-Orem
440	FILLMORE COMMUNITY MEDICAL CENTER- Fillmore
445	GUNNISON VALLEY HOSPITAL- Gunnison
450	CENTRAL VALLEY MEDICAL CENTER- Nephi



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SANPETE VALLEY HOSPITAL-Mt. Pleasant

460	SEVIER VALLEY HOSPITAL-Richfield
465	DELTA COMMUNITY MEDICAL CENTER- Delta
530	ALLEN MEMORIAL HOSPITAL-Moab
535	BEAVER VALLEY HOSPITAL- Beaver
540	DIXIE REGIONAL MEDICAL CENTER- St. George
545	GARFIELD MEMORIAL HOSPITAL-Panguitch
550	KANE COUNTY HOSPITAL-Kanab
555	MILFORD VALLEY MEMORIAL-Milford
565	SAN JUAN HOSPITAL-Monticello
570	VALLEY VIEW MEDICAL CENTER- Cedar City
600	Wyoming hospital
610	Idaho hospital
620	Colorado hospital
630	Nevada hospital
640	Arizona hospital
650	New Mexico hospital
660	Montana hospital
699	Other out of state hospital

## Appendix B—EMS Agency Codes

### DEFINITIONS OF SERVICE LEVELS

AMB_B	Ground Ambulance Basic Level
AMB_IV	Ground Ambulance Basic IV Level
AMB_I	Ground Ambulance Intermediate Level
AMB_P	Ground Ambulance Paramedic Level
AIR	Air Ambulance, either Fixed Wing or Rotary
RESCUE	Paramedic Rescue Non-Transporting Unit
QRU_B	Quick Response Unit (First Responder) Basic Level
QRU_I	Quick Response Unit (First Responder) Intermediate Level

License	Agency Name	Level	County
0101L	BEAVER AMB	AMB_I	BEAVER
0102L	MILFORD VALLEY AMB	AMB_I	BEAVER
0201L	BRIGHAM CITY AMB	AMB_I	BOX_ELDER
0202L	TREMONTON FD AMB	AMB_I	BOX_ELDER
0203L	BOX ELDER COUNTY AMB	AMB_B	BOX_ELDER
0205L	PLYMOUTH FD AMB	AMB_B	BOX_ELDER
0210L	ATK THIOKOL FD	AMB_I	BOX_ELDER
0214D	WILLARD FIRST RESPONDERS	QRU_B	BOX_ELDER
0216D	HONEYVILLE FIRE DEPT	QRU_B	BOX_ELDER
0222L	CURLEW AMB SERVICE	AMB_I	BOX_ELDER
0223D	FIELDING FIRST RESPONDERS	QRU_B	BOX_ELDER
0224D	THATCHER-PENROSE FIRE DEPT	QRU_B	BOX_ELDER
0302D	HYRUM FIRST RESPONDERS	QRU_B	CACHE
0303D	LEWISTON FIRST RESPONDERS	QRU_B	CACHE
0304D	NEWTON FIRST RESPONDERS	QRU_B	CACHE
0305D	PARADISE FIRST RESPONDERS	QRU_B	CACHE
0306D	WELLSVILLE FIRST RESPONDERS	QRU_I	CACHE
0307D	SMITHFIELD FIRE AND RESCUE	QRU_I	CACHE
0313D	MENDON FIRE DEPT	QRU_B	CACHE
0315D	CACHE COUNTY S&R	QRU_I	CACHE
0316D	RICHMOND FIRE DEPT	QRU_B	CACHE
0317D	NORTH LOGAN FIRE & RESCUE	QRU_B	CACHE
0320D	MILLVILLE & NIBLEY FIRST RESPONDERS	QRU_B	CACHE
0321D	TRENTON TOWN FIRE AND RESCUE	QRU_B	CACHE
0332L	CACHE COUNTY EMS AUTH	AMB_I	CACHE
0333L	CACHE COUNTY EMS AUTH	AMB_P	CACHE
0334L	CACHE COUNTY EMS AUTH	RESCUE	CACHE
0335L	CACHE COUNTY SHERIFF'S OFFICE	RESCUE	CACHE
0401L	SUNNYSIDE AMB SERVICE	AMB_I	CARBON
0402L	CARBON COUNTY AMB	AMB_I	CARBON
0406D	HELPER FIRE DEPT	QRU_B	CARBON
0501L	DAGGETT COUNTY AMB	AMB_I	DAGGETT
0502D	DAGGETT COUNTY SHERIFF'S OFFICE	QRU_I	DAGGETT
0603L	DAVIS COUNTY SHERIFFS OFFICE	RESCUE	DAVIS

0606L	KAYSVILLE CITY FIRE	AMB_I	DAVIS
0607L	LAYTON CITY FD	AMB_I	DAVIS
0612L	CLINTON CITY FIRE	AMB_I	DAVIS
0617D	SYRACUSE CITY FIRE DEPT	QRU_B	DAVIS
0618L	SYRACUSE FD	AMB_I	DAVIS
License	Agency Name	Level	County
0620L	CLEARFIELD CITY CORP/ CLEARFIELD CITY FD	AMB_I	DAVIS
0625L	DAVIS COUNTY SHERIFFS OFFICE	RESCUE	DAVIS
0628D	SUNSET FIRE DEPT	QRU_B	DAVIS
0629D	CHEVRON REFINERY EMS	QRU_B	DAVIS
0630L	FARMINGTON CITY FD	AMB_I	DAVIS
0631L	LAYTON CITY FD/DAVIS CO SHERIFF'S	RESCUE	DAVIS
0634L	SOUTH DAVIS METRO FIRE AGENCY	AMB_I	DAVIS
0635L	SOUTH DAVIS METRO FIRE AGENCY	RESCUE	DAVIS
0701L	UINTAH BASIN MEDICAL CENTER	AMB_1	DUCHESNE
0714L	UINTAH BASIN MEDICAL CENTER	AMB_P	DUCHESNE
0715L	UINTAH BASIN MEDICAL CENTER	RESCUE	DUCHESNE
0801L	EMERY CO AMB SERVICE	AMB_I	EMERY
0901L	GARFIELD CO AMB	AMB_I	GARFIELD
1001L	GRAND CO EMS	AMB_I	GRAND
1005D	GRAND CO EMS	QRU_I	GRAND
1101L	IRON COUNTY AMB	AMB_I	IRON
1102L	IRON COUNTY/IRON COUNTY AMB	RESCUE	IRON
1201L	JUAB COUNTY AMB	AMB_I	JUAB
1204L	LEVAN TOWN AMB	AMB_I	JUAB
1301L	KANE COUNTY AMB	AMB_I	KANE
1401L	MILLARD COUNTY AMB	AMB_I	MILLARD
1403L	SCIPIO AMB SERVICE	AMB_I	MILLARD
1501L	MORGAN COUNTY AMB	AMB_I	MORGAN
1601L	PIUTE CO COUNTY AMB	AMB_I	PIUTE
1701L	RICH COUNTY AMB	AMB_I	RICH
1802L	UNIFIED FIRE AUTHORITY SALT LAKE	AMB_B	SALT_LAKE
1803L	GOLD CROSS AMB, INC.	AMB_I	SALT_LAKE
1804L	SALT LAKE CITY FD	RESCUE	SALT_LAKE
1807L	RIVERTON CITY CORP/UNIFIED FIRE AUTH	AMB_B	SALT_LAKE
1808L	UNIFIED FIRE AUTHORITY SALT LAKE	RESCUE	SALT_LAKE
1809L	SANDY CITY FD	AMB_P	SALT_LAKE
1812L	GOLD CROSS/PARAMEDIC SERVICE	AMB_P	SALT_LAKE
1814D	SOLITUDE SKI PATROL	QRU_B	SALT_LAKE
1815D	SALT LAKE COUNTY SHERIFF S&R	QRU_I	SALT_LAKE
1821D	SOUTH SALT LAKE FIRE DEPT	QRU_I	SALT_LAKE
1822L	SOUTH SALT LAKE FD	RESCUE	SALT_LAKE
1823L	WVC FD/SALT LAKE COUNTY FD	RESCUE	SALT_LAKE
1826D	UTAH AIR NATIONAL GUARD	QRU_B	SALT_LAKE
1827D	MURRAY CITY FIRE	QRU_B	SALT_LAKE

1829D	MIDVALE CITY FIRE DEPT	QRU_B	SALT_LAKE
1830L	MIDVALE CITY FD	RESCUE	SALT_LAKE
1831L	SOUTH JORDAN FD	AMB_B	SALT_LAKE
1836D	UNIFIED FIRE AUTHORITY	QRU_B	SALT_LAKE
1840D	SALT LAKE CITY FIRE RESCUE SERVICE	QRU_B	SALT_LAKE
1842L	WEST JORDAN FD	AMB_B	SALT_LAKE
1850D	UTAH STATE PRISON	QRU_I	SALT_LAKE
1852L	DRAPER CITY/UNIFIED FIRE AUTH	AMB_IV	SALT_LAKE
1857L	MURRAY CITY FD	RESCUE	SALT_LAKE
1858L	SOUTH JORDAN FD	AMB_P	SALT_LAKE
1861L	WEST JORDAN FD	AMB_P	SALT_LAKE
1862L	MIDVALE CITY FD	AMB_B	SALT_LAKE
1863L	MIDVALE CITY FD	AMB_P	SALT_LAKE
1864D	WEST VALLEY CITY FIRE	QRU_B	SALT_LAKE
License	Agency Name	Level	County
1901L	SAN JUAN EMS SERVICES/MONTICELLO	AMB_B	SAN_JUAN
1904L	SAN JUAN EMS SERVICES/BLANDING	AMB_I	SAN_JUAN
1910L	SAN JUAN EMS	AMB_I	SAN_JUAN
1911D	SAN JUAN COUNTY S&R	QRU_I	SAN_JUAN
2001L	GUNNISON VALLEY AMB	AMB_I	SANPETE
2002L	NORTH SANPETE AMB SERVICE	AMB_I	SANPETE
2007L	EPHRAIM CITY/EPHRAIM AMB ASSN	AMB_I	SANPETE
2008L	MANTI AMB ASSN	AMB_I	SANPETE
2101L	SEVIER COUNTY AMB	AMB_I	SEVIER
2104L	CANYON FUEL COMPANY SUFCO, LLC	AMB_B	SEVIER
2202L	SOUTH SUMMIT AMB	AMB_I	SUMMIT
2203L	SUMMIT COUNTY/PARK CITY FD	AMB_I	SUMMIT
2213D	PARK CITY FIRE SERVICE	QRU_IV	SUMMIT
2220L	PARK CITY FIRE SERVICE DIST	RESCUE	SUMMIT
2221L	SUMMIT COUNTY/PARK CITY FD	AMB_I	SUMMIT
2301L	WENDOVER AMB	AMB_I	TOOELE
2302L	TOOELE HOSP CORP MOUNTAIN WEST AMB SERVICE	AMB_I	TOOELE
2310D	STOCKTON FIRE DEPT	QRU_B	TOOELE
2315D	NORTH TOOELE CO FIRE SERVICE DISTRICT	QRU_I	TOOELE
2318D	WENDOVER FIRST RESPONDERS	QRU_B	TOOELE
2402L	DESERET GENERATION & TRANSMISSION	AMB_B	UINTAH
2403L	UTE TRIBE AMB SERVICE	AMB_I	UINTAH
2404L	GOLD CROSS AMB EASTERN UTAH DIVISION	AMB_I	UINTAH
2410D	NAPLES POLICE DEPT	QRU_B	UINTAH
2412D	VERNAL POLICE DEPT	QRU_B	UINTAH
2413D	UINTAH COUNTY SHERIFF'S DEPT	QRU_B	UINTAH
2501L	AMERICAN FORK AMB	AMB_I	UTAH
2502L	LEHI FIRE/EMS	AMB_I	UTAH
2503L	PAYSON AMB ASSN	AMB_I	UTAH
2504L	PLEASANT GROVE AMB	AMB_I	UTAH

2505L	PROVO FD/PARAMEDIC	AMB_P	UTAH
2506L	OREM DEPT OF PUBLIC SAFETY	AMB_P	UTAH
2508L	SPRINGVILLE AMB	AMB_I	UTAH
2509L	SPANISH FORK AMB	AMB_I	UTAH
2510L	GOLD CROSS SERVICE INC./UTAH COUNTY	AMB_I	UTAH
2512L	SANTAQUIN CITY AMB	AMB_I	UTAH
2517L	SALEM CITY CORP	AMB_I	UTAH
2518L	MAPLETON AMB/MAPLETON CITY CORP	AMB_I	UTAH
2519L	LONE PEAK PUBLIC SAFETY DIST	AMB_I	UTAH
2520D	NORTH FORK FIRE DEPT	QRU_B	UTAH
2522L	EAGLE MOUNTAIN FD	AMB_I	UTAH
2526D	UTAH COUNTY SHERIFF S&R	QRU_I	UTAH
2531D	ELK RIDGE FIRE DEPT	QRU_B	UTAH
2532D	BRIGHAM YOUNG UNIVERSITY	QRU_B	UTAH
2535L	LONE PEAK PUBLIC SAFETY DIST	RESCUE	UTAH
2536L	EAGLE MOUNTAIN FD	RESCUE	UTAH
2537L	NORTH FORK FD	AMB_I	UTAH
2538L	PLEASANT GROVE AMB	RESCUE	UTAH
2601L	WASATCH COUNTY AMB	AMB_I	WASATCH
2701L	ENTERPRISE AMB SERVICE	AMB_I	WASHINGTON
2702L	DIXIE AMB SERVICE, INC.	AMB_I	WASHINGTON
2703L	HURRICANE FIRE & RESCUE	AMB_I	WASHINGTON
2704L	DIXIE AMB SERVICE, INC.	AMB_P	WASHINGTON
License	Agency Name	Level	County
2711D	SANTA CLARA FIRE DEPT	QRU_I	WASHINGTON
2720L	HILLDALE CITY/HILLDALE FD	AMB_P	WASHINGTON
2721L	DIXIE AMB SERVICE	RESCUE	WASHINGTON
2722L	HURRICANE CITY CORP/HURRICANE FIRE & RESCUE	AMB_P	WASHINGTON
2725D	ST GEORGE CITY FIRE DEPT	QRU_B	WASHINGTON
2729L	LEEDS AREA SPECIAL SERVICE DIST	AMB_I	WASHINGTON
2731L	ROCKVILLE/SPRINGDALE FIRE PROTECTION DIST	AMB_P	WASHINGTON
2732D	ENTERPRISE AMB SERVICE	QRU_I	WASHINGTON
2733D	IVINS CITY FIRE DEPT	QRU_B	WASHINGTON
2734D	WASHINGTON CITY FIRE DEPT	QRU_B	WASHINGTON
2801L	WAYNE COUNTY AMB	AMB_I	WAYNE
2902L	ROY FIRE AND RESCUE DEPT	AMB_B	WEBER
2903L	WEBER FIRE DIST/OGDEN CITY CORP	AMB_P	WEBER
2907D	WASHINGTON TERRACE FIRE DEPT	QRU_B	WEBER
2915L	WEBER COUNTY CORP OGDEN CITY CORP	RESCUE	WEBER
2916L	WEBER COUNTY CORP PARAMEDIC ROY	RESCUE	WEBER
2917L	OGDEN CITY CORP	AMB_P	WEBER
2919L	NORTH VIEW FIRE AGENCY	AMB_I	WEBER
2920L	OGDEN CITY AMB	AMB_IV	WEBER
2921D	PLAIN CITY FIRE DEPT	QRU_B	WEBER
2924L	WEBER COUNTY CORP ROY CITY CORP	AMB_P	WEBER



2925D	WEBER FIRE DISTRICT	QRU_B	WEBER
2926L	WEBER FIRE DIST	AMB_B	WEBER
2933L	SOUTH OGDEN FD	AMB_I	WEBER
2931D	RIVERDALE FIRE SERVICES	QRU_I	WEBER
2932D	WEBER COUNTY SHERIFF	QRU_B	WEBER
3000L	UNSPECIFIED UTAH EMS AGENCY	NA	UT
3001L	AIR MED - U.U.M.C.	AIR	SALT_LAKE
3002L	IHC LIFE FLIGHT	AIR	SALT_LAKE
3003L	CLASSIC AIR CARE INC. dba CLASSIC LIFE GUARD	AIR	DAVIS
3004L	EAGLE AIR MED CORP	AIR	SAN_JUAN
3005L	ST. MARYS AIR LIFE/ST. MARYS HOSP	AIR	CO
3006L	LIFE GUARD INTERNATIONAL, INC.	AIR	NV
3007L	AIR AMB SPECIALISTS, INC.	AIR	CO
3008L	MED FLIGHT AIR	AIR	NM
3009L	SAN JUAN REGIONAL AIR CARE	AIR	NM
3010L	AIR METHODS/MERCY AIR SERVICES INC.	AIR	NV
3011L	TRISTATE CARE FLIGHT, LLC.	AIR	AZ
NA	NOT APPLICABLE	NA	NA
OTHER	OTHER - OUT OF STATE EMS AGENCY	NA	OTHER
UNK	UNIKNOWN OR UNDOCUMENTED	UNK	UNK

**Obsolete Agency Codes 2005**

License	Agency Name	Level	County
0301L	(OLD 2005: WAS LOGAN CITY. USE 0332L)	AMB_I	CACHE
0310L	(OLD 2005: WAS LOGAN CITY. USE 0333L)	AMB_P	CACHE
0408L	(OLD 2005: WAS CANYON FUELSKYLINE MINES. NO NEW CODE)	AMB_B	UNK
0601L	(OLD 2005. WAS S. DAVIS. USE 0634L)	AMB_B	DAVIS
0602L	(OLD 2005. WAS BOUNTIFUL FD. USE 0634L)	AMB_I	DAVIS
0604L	(OLD 2005. WAS DAVIS CO SHERIFF AMB. USE 0625L)	AMB_B	DAVIS
0616L	(OLD 2005. WAS DAVIS CO SHERIFF. USE 0625L)	AMB_I	DAVIS
0905L	(OLD 2004. WAS CLASSIC AIR GUARD. USE 3003L)	AIR	DAVIS
1004L	(OLD 2004. WAS ST MARYS AIR. USE 3005L)	AIR	CO
1801L	(OLD 2003)	AMB_B	SALT_LAKE
1806L	(OLD 2003)	AMB_B	SALT_LAKE
1810L	(OLD 2004. WAS AIR MED. USE 3001L)	AIR	SALT_LAKE
1813L	(OLD 2004. WAS LIFE FLIGHT. USE 3002L)	AIR	SALT_LAKE
1905L	(OLD 2003)	AMB_B	SAN_JUAN
1906L	(OLD 2003)	AMB_B	SAN_JUAN
1908L	(OLD 2004. WAS SAN JUAN AIR. USE 3009L)	AMB_B	SAN_JUAN
1909L	(OLD 2004. WAS EAGLE AIR MED. USE 3004L)	AIR	SAN_JUAN
2004L	(OLD 2003)	AMB_B	SANPETE
2005L	(OLD 2003)	AMB_B	SANPETE
2201L	(OLD 2003)	AMB_I	SUMMIT
2415L	(OLD 2004. WAS AIR RESPONSE NORTH. USE 3007L)	AIR	CO
2707L	(OLD 2003)	AMB_I	WASHINGTON
2727L	(OLD 2004. WAS AIR REACT. USE 3006L)	AIR	NV
2728L	(OLD 2004. WAS MERCY AIR. NO NEW CODE)	AIR	NV
2730L	(OLD 2004. WAS FLIGHT FOR LIFE. NO NEW CODE)	AIR	NV
2901L	(OLD 2003)	AMB_B	WEBER
2927L	(OLD 2004. WAS MED FLIGHT. USE 3008L)	AIR	WEBER

## Appendix C—Coding “UNK” vs. “NOT” or “N”

It is easy to confuse the way to correctly code data elements with regard to answers of unknown (UNK) and not done (NOT) or NO. The following instructions attempt to clarify these issues.

### Coding “UNK”

The coding of “UNK” is eligible to be endorsed for most of the data elements, except for the following.

<p><u>Exceptions are:</u></p> <ul style="list-style-type: none"> <li>• Tracking Number</li> <li>• Hospital Number</li> <li>• Medical Record Number/SSN</li> <li>• Age/Age Unit</li> <li>• Trauma Type</li> <li>• Hospital Transfer</li> <li>• Admit Type</li> </ul>	<ul style="list-style-type: none"> <li>• ICD-9-CM codes (E-codes, Diagnosis codes, and Procedure codes)</li> <li>• Diagnosis Text</li> <li>• Procedure Code Group/ Episode/Location</li> <li>• Outcome</li> <li>• Inpatient Length of Stay</li> </ul>
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The coding of “UNK” for a data element asking for **patient course of care or injury information** means that there is either *no documentation* or *inadequate documentation* (unreadable or incomplete) in the medical record to indicate a definitive answer, therefore the data element must be answered “UNK”.

The coding of “UNK” for a data element asking for **referring hospital, scene/prehospital or ED/admitting hospital vitals or procedures** means either of the following:

- A. That there was *no documentation* in the medical record to indicate one way or the other whether the procedure or measure was performed, **or**
- B. That there was *inadequate documentation* (due to incomplete, or unreadable results) in which to determine the results of the measure conducted (per documentation). Therefore, even though the measure was documented done, the results are unknown to the data abstractor or trauma registrar entering the information and so the data element must be answered “UNK”.

### Coding “NOT”/“N”

The coding of “NOT” or “N” **only** applies a data element asking for **referring hospital, scene/prehospital or ED/admitting hospital vitals or procedures** and means that the vital sign or procedure was *documented not to have been assessed nor conducted* and therefore, in the case of a measure, there is no value or result to report (not done).

<p><u>Data elements eligible to document “NOT”:</u></p> <ul style="list-style-type: none"> <li>• Pulse/Respiratory Rate</li> <li>• Systolic Blood Pressure</li> <li>• ALL GCS component scores (Eye Opening, Verbal Response, Motor Response)</li> <li>• Manual GCS</li> <li>• Fluid/Airway Procedures</li> <li>• Functional Discharge Status</li> </ul>	<p><u>Data elements eligible to document “N”:</u></p> <ul style="list-style-type: none"> <li>• CPR</li> <li>• Blood Given</li> <li>• Thoracostomy</li> <li>• Head CT</li> <li>• Diagnostic Peritoneal Lavage</li> <li>• FAST Test</li> <li>• Abdominal CT</li> </ul>
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## Appendix D—Calculating Revised Trauma Score

The Revised Trauma Score (RTS) is a physiological scoring system, with high inter-rater reliability and demonstrated accuracy in predicting death. It is scored from the first set of data obtained on the patient, and consists of the Glasgow Coma Score, Systolic Blood Pressure, and Respiratory Rate.

Respiratory Rate (RR)	Systolic Blood Pressure (SBP)	Glasgow Coma Score (GCS)	Score
10-29/Minute	>89 mmHg	13-15	4
>29/Minute	76-89 mmHg	9-12	3
6-9/Minute	50-75 mmHg	6-8	2
1-5/Minute	1-49 mmHg	4-5	1
0	No Pulse	3	0

$$\text{RTS} = 0.9368 \text{ GCS} + 0.7326 \text{ SBP} + 0.2908 \text{ RR}$$

Values for the RTS are in the range 0 to 7.8408. The RTS is heavily weighted towards the Glasgow Coma Scale to compensate for major head injury without multi-system injury or major physiological changes.

## **Appendix E—Calculating Abbreviated Injury Scale Score**

The Abbreviated Injury Scale (AIS) is an anatomical scoring system first introduced in 1969 for use by crash investigators in assessing impact injury. Since this time it has been revised and updated against survival so that it now provides a reasonably accurate way of ranking the severity of injury. The latest incarnation of the AIS is the 1998 revision. A scaling committee of the Association for the Advancement of Automotive Medicine monitors and provides a manual to be consulted when scoring the AIS.

Injuries are scored 1 to 6, with 1 being minor and 6 being an unsurvivable injury. This represents the 'threat to life' associated with an injury and is not meant to represent a comprehensive measure of severity. The AIS is not an interval scale, in that the difference between AIS1 and AIS2 is not the same as that between AIS4 and AIS5.

<b>AIS</b>	<b>Injury Severity</b>
1	Minor injury
2	Moderate injury
3	Serious injury, not life threatening
4	Severe injury, life threatening, but survival probable
5	Critical injury, survival uncertain
6	Maximum injury, untreatable and virtually unsurvivable

## Appendix F—Calculating Injury Severity Score

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 Score (AIS) and is allocated to one of six body regions (Head, Face, Chest, Abdomen, Extremities, or External). Only the highest AIS scores in each body region are used. The 3 most severely injured body regions have their AIS score squared and added together to produce the ISS score.

An example of the ISS calculation is shown below:

Region	Injury Description	AIS	Square Top Three
Head & Neck	Cerebral Contusion	3	9
Face	No Injury	0	
Chest	Flail Chest	4	16
Abdomen	Minor Contusion of Liver	2	25
	Complex Rupture Spleen	5	
Extremities	Fractured femur	3	
External	No Injury	0	
<b>Injury Severity Score:</b>			<b>50</b>

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.

## Appendix G—Calculating Trauma and Injury Severity Score

### Score

The Trauma Injury Severity Score (TRISS) determines the probability of survival (Ps) of a patient from the ISS and RTS using the following formula:

$$Ps = 1 / (1 + e^{-b})$$

Where 'b' is calculated from:

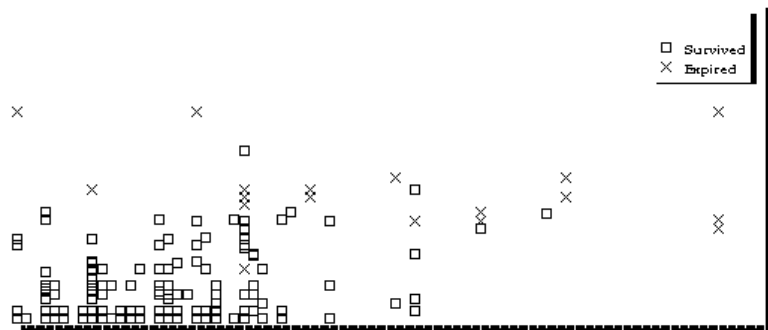
$$b = b0 + b1(RTS) + b2(ISS) + b3(AgeIndex)$$

The coefficients b0 - b3 are derived from multiple regression analysis of the Major Trauma Outcome Study (MTOS) database. Age Index is 0 if the patient is below 54 years of age or 1 if 55 years and over. b0 to b3 are coefficients which are different for blunt and penetrating trauma. If the patient is less than 15, the blunt index for b3 (Age) is used regardless of mechanism.

Coefficient	Blunt	Penetrating
b0	-0.4499	-2.5355
b1	0.8085	0.9934
b2	-0.0835	-0.0651
b3	-1.7430	-1.1360

Boyd CR, Tolson MA, Copes WS: "Evaluating Trauma Care: The TRISS Method", J Trauma 27:370-378;1987

### Sample TRISS Graph without Isobars From CDM Traumabase®



## Data Dictionary Revision History:

**Release Number:** 3.0.1

**Date of Release:** April 25, 2005

**Changes Made:**

1. Exclusion Criteria, page 3: Clarified the Cause e-code for ground level fall. Old: any E-code beginning with 885. New: only the e-code 885.9 is used.
2. D1. page 50: TRANS Definition change. Old: Primary method of transport into your hospital. New: Final method of transport into your hospital, unless patient arrived by fixed wing air. In that case, enter FIX.
3. D2. page 51: TRANSPORT\_AGENCY\_CODE data entry format changed. Old: Enter all transporting agencies sequentially, first to last. New: Enter the final transport, the one that brought the patient to your hospital, on the first row of data entry. All other EMS agencies can be entered on subsequent rows.
4. Appendix B. pages 140-144: EMS Agencies updated, obsolete EMS Agency codes also listed.

**Release Number:** 3.1

**Date of Release:** January 1, 2007

**Changes Made:**

1. Update of entire data dictionary; with updated User Group List, and corrected Table of Contents.
2. The data dictionary was put into a database form for an easy and trackable way to make changes.

**Release Number:** 3.2

**Date of Release:** February 2, 2007

**Changes Made:**

1. DC\_DISPOSITION\_CODE: Added EOL for Hospice or End of Life DC Unit
2. DC\_DESTINATION\_CODE: Added 046 for End of Life Care/Hospice at Your Facility
3. DC\_DESTINATION\_CODE: Added 047 for End of Life Care/Hospice at Another Facility or Home
4. Change of AGENCY Number for Ogden:
  - a. 2930L South Ogden FD – AMB IV is now obsolete
  - b. 2933L South Ogden FD – AMB I is the new code to use