STATE REQUIRED ELEMENTS

Addendum to the NTDS Data Dictionary

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UTAH DEPARTMENT OF HEALTH

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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 and Preparedness (BEMSP) have implemented a statewide trauma registry to track trauma patients. Trauma data is submitted to the BEMSP for review of system criteria. The data dictionary that follows provides definitions for the consistent interpretation of the data elements throughout the data collection process.

The BEMSP would like to express its sincere appreciation and gratitude to the members of the Utah Trauma Users Group who continually give unselfishly of their time and expertise to maintain this data dictionary. This document is the result of many hours of discussion and collaboration between the BEMSP, Intermountain Injury Control Research Center (IICRC), subject matter experts and hospital personnel. We would also like to thank the American College of Surgeons Committee on Trauma and their publication of the 2017 National trauma Data Bank Data Dictionary. We are committed to adopting the standards of and maintaining synchronization with the NTDB Data Dictionary. Their work and dedication make this publication possible.

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) is assisting in system development, public information, evaluation and quality improvement, injury prevention and research components of the Utah Trauma System Plan. The IICRC helps establish a coordinated effort to thoroughly assess the operation of the current trauma system. Since all hospitals submit trauma data to the BEMSP in perpetuity, the IICRC acts as the data repository and provide assistance in the development of the statewide trauma data collection system. The data collection system provides 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 pre-hospital 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

Introduction

In collaboration with the Trauma Users Group, the Bureau of EMS and Preparedness made the decision follow the National Trauma Data Standard (NTDS) with limited additional state-required data elements. This document includes those additional data elements required by the State. The full NTDS Data Dictionary, as well as a log of all NTDS changes can be found at https://www.facs.org/quality-programs/trauma/ntdb/ntds

From the 2020 NTDS Data Dictionary….

Traumatic injury, both accidental and intentional, is the leading cause of death in the first four decades of life, according to the National Center for Health Statistics. 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 EMS systems in reducing mortality, morbidity, and lost productivity from traumatic injuries. Almost three decades of research consistently suggests that in-hospital (and post-discharge) mortality rates are reduced by 20 to 25% among severely injured patients treated in trauma centers organized into a regional or statewide trauma center. Nevertheless, much of the work investigating the effectiveness of trauma system (center) development has been hampered by the lack of consistent, quality data to demonstrate differences in mortality over time or between hospitals, regions, or states.

Hospital-based trauma registries are the basis for much of the research and quality assessment work that has informed clinicians and policy makers about methods to optimize the care of injured patients. Yet, the actual data points contained in independent hospital registries are often so different in content and structure that comparison across registries is nearly impossible. Database construction for trauma registries tis often completed in isolation with no nationally recognized standard data dictionary to ensure consistency across registries. Efforts to standardize hospital registry content have been published, yet studies continue to document serious variation and misclassification between hospital-based registries.

Recently, federal agencies have made investments to fortify the establishment of a national trauma registry. Much of this funding has focused on the National Trauma Data Standard (NTDS), which represents a concerted and sustained effort by the American College of Surgeons Committee on Trauma (ACSCOT) to provide an extensive collection of trauma registry data provided primarily by accredited/designated trauma centers across the U.S. Members of ACSCOT and staff associated with the NTDB have long recognized that the NTDB inherits the individual weaknesses of each contributing registry.

During 2004 through 2006, the ACSCOT Subcommittee on Trauma Registry Programs was supported by the U.S. Health Resources and Services Administration (HRSA) to devise a uniform set of trauma registry variables and associated variable definitions. The ACSCOT Subcommittee also characterized a core set of trauma registry inclusion criteria that would maximize participation by all state, regional and local trauma registries. This data dictionary represents the culmination of this work. Institutionalizing the basic standards provided in the document will greatly increase the likelihood that a national trauma registry would provide clinical information beneficial in characterizing traumatic injury and enhancing our ability to improve trauma care in the United States.

To realize this objective, it is important that this subset of uniform registry variables are incorporated into all trauma registries, regardless of trauma center accreditation/designation (or lack thereof). Local, regional or state registries are then encouraged to provide a yearly download of these uniform variables to the NTDB for all patients satisfying the inclusion criteria described in this document. This subset of variables, for all registries, will represent the contents of the new National Trauma Data Bank (NTDB) in the future.

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 for the trauma plan was accomplished in the 2000 Utah Legislative Session. This has allowed the BEMSP to move forward in the implementation of the trauma plan.

2020 Patient Inclusion Criteria

For the purpose of consistent data collection for the Utah Trauma Registry, a trauma patient is defined as a patient sustaining a traumatic injury and meeting the following criteria:

At least one of the following injury diagnostic codes defined in the **International Classification of Diseases, Tenth Revision,**
(ICD-10-CM):

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

Excluding the following isolated injuries:

ICD-10-CM:

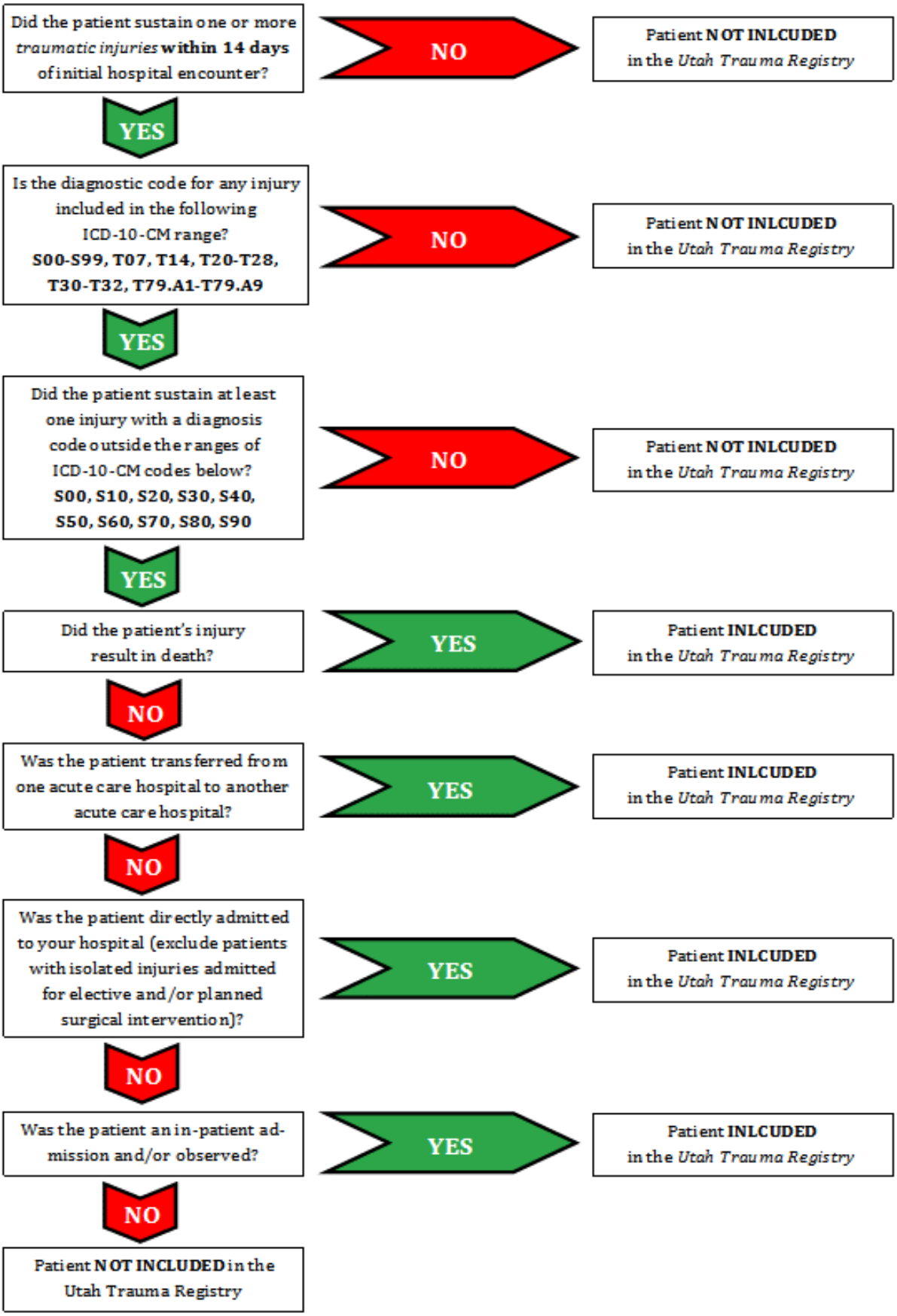
- **S00** (*Superficial injuries of the head)*
- **S10** *(Superficial injuries of the neck)*
- **S20** *(Superficial injuries of the thorax)*
- **S30** *(Superficial injuries of the abdomen, pelvis, lower back and external genitals)*
- **S40** *(Superficial injuries of shoulder and upper arm)*
- **S50** *(Superficial injuries of elbow and forearm)*
- **S60** *(Superficial injuries of wrist, hand and fingers)*
- **S70** *(Superficial injuries of hip and thigh)*
- **S80** *(Superficial injuries of knee and lower leg)*
- **S90** *(Superficial injuries of ankle, foot and toes)*

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

AND MUST INCLUDE ONE OF THE FOLLOWING IN ADDITION TO (ICD-10-CM S00-S99, T07, T14, T-20-T28, T30-T32 and T79.A1-T79.A9):

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

*******Acute Care Hospital is defined as a hospital that provides inpatient medical care and other related services for surgery, acute medical conditions or injuries (usually for a short-term illness or condition).*


Did the patient sustain one or more traumatic injuries within 14 days of initial hospital encounter?
NO
Patient NOT INLCUDED in the Utah Trauma Registry
YES
Is the diagnostic code for any injury included in the following ICD-10-CM range? S00-S99, T07, T14, T20-T28, T30-T32, T79.A1-T79.A9
NO
Patient NOT INLCUDED in the Utah Trauma Registry
YES
Did the patient sustain at least one injury with a diagnosis code outside the ranges of ICD-10-CM codes below? S00, S10, S20, S30, S40, S50, S60, S70, S80, S90
NO
Patient NOT INLCUDED in the Utah Trauma Registry
YES
Did the patient's injury result in death?
YES
Patient INLCUDED in the Utah Trauma Registry
NO
Was the patient transferred from one acute care hospital to another acute care hospital?
YES
Patient INLCUDED in the Utah Trauma Registry
NO
Was the patient directly admitted to your hospital (exclude patients with isolated injuries admitted for elective and/or planned surgical intervention)?
YES
Patient INLCUDED in the Utah Trauma Registry
NO
Was the patient an in-patient admission and/or observed?
YES
Patient INLCUDED in the Utah Trauma Registry
NO
Patient NOT INCLUDED in the Utah Trauma Registry

Monthly Submission Guidelines:

As specified in the Utah Emergency Medical Services Act (Utah Code Title 26 Chapter 8a Section 253), all acute care hospitals are required to regularly submit trauma data to the trauma registry. While hospitals are strongly encouraged to submit data monthly, they are required to submit no less frequently than quarterly. The submission schedule for calendar year **2020** is shown below. Late notices and submission status notifications are sent by the IICRC with a copy to BEMSP.

Q1 2020			Q2 2020			Q3 2020			Q4 2020		
JAN 2020 Due March 31, 2020	**FEB 2020 Due April 30, 2020**	**MAR 2020 Due May 31, 2020**	**APR 2020 Due June 30, 2020**	**MAY 2020 Due July 31, 2020**	**JUNE 2020 Due Aug 31, 2020**	**JULY 2020 Due Sept 30, 2020**	**AUG 2020 Due Oct 31, 2020**	**SEPT 2020 Due Nov 30, 2020**	**OCT 2020 Due Dec 31, 2020**	**NOV 2020 Due Jan 31, 2021**	**DEC 2020 Due Feb 28, 2021**
Late notice sent 4/1/20	**Late notice sent 5/1/20**	**Late notice sent 6/1/20**	**Late notice sent 7/1/20**	**Late notice sent 8/1/20**	**Late notice sent 9/1/20**	**Late notice sent 10/1/20**	**Late notice sent 11/1/20**	**Late notice sent 12/1/20**	**Late notice sent 1/1/21**	**Late notice sent 2/1/21**	**Late notice sent 3/1/21**

Common Null Values

These values are to be used with each of the Utah Trauma Registry Data Elements described in this document which have been defined to accept the Null Values.

Utah Values	*NTDS Values*	*Description*
NA	1	Not Applicable
NOT	2	Not Known/Not Recorded

Additional Information: For any collection of data to be of value and reliable, a strong commitment must be made to ensure the correct documentation of incomplete data.

- *Not Applicable*: This null value code should be utilized if at the time of patient care documentation, the information requested did not apply to the case at hand. For example, variables documenting EMS care would be “Not Applicable” if a patient self-transports to the hospital.

- *Not Known/Not Recorded*: This null value applies if, at the time of patient care documentation, information was unknown to the patient, family, or health care provider or the information was not documented in the patient’s record. Use of this value documents that there was an attempt to obtain information but it was unknown by all parties involved at the time of documentation, or that the information was not supplied or documented in the patient’s record For example, injury date and time may be documented in the hospital patient care report as “Unknown” or the patient arrived by ambulance; however, no EMS run sheet is in the patient record

A. Demographic Data

A.1 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; TRAUMA_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 ***Hospital Number***, this number provides a unique identifier for a patient across the Utah Trauma Registry.

EDITS: NONE

UTAH EXPORT: TRAUMA_NO

A.2 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 ***Appendix A.***

Discussion/Uses: Along with the ***Tracking Number***, this number provides a unique identifier for a patient across the Utah Trauma Registry.

EDITS: UT.0000S; UT.0000SV

UTAH EXPORT: INSTITUTE_NO_SRC

A.8 Other Race

Definition: The patient's secondary race (if the first race field is insufficient).

Software Field Name: RACE_OTHER

Data Type: Character (Single entry allowed)

Values:

Utah Values	*NTDS Values*	*Description*
A	1	Asian
B	5	Black or African American
I	4	American Indian
P	2	Native Hawaiian or Other Pacific Islander
W	6	White
O	3	Other race not listed
NA	NA	Not Applicable
NOT	NOT	Not Recorded/Not Known

Discussion/Uses: The patient's race is standard demographic information used in epidemiologic analyses.

The patient race should be based upon self-report or identified by a family member.

EDITS: UT.0997; UT.0997.S; UT.0997.SV; CDM_0997; CDM_0997.NV; CDM_0997.N

UTAH EXPORT: RACE_OTHER

NTDS EXPORT: RACE_NTDS

NTDS Field Name: Race

NTDS Field Number: D_10

A.10 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: Character (Free text field)

Values: Can be any value as long as the length does not exceed 15 characters.

NA	Not Applicable
NOT	Not Recorded/Not Known

Discussion/Uses: This data element is for audit and linking purposed only and will never be made public.

EDITS: UT.0002

UTAH EXPORT: MEDICAL_RECORD_NUMBER

A.11 Social Security Number

Definition: The patient's Social Security Number.

Software Field Name: SOCIAL_SECURITY_NUMBER

Data Type: Integer (Single entry allowed)

Values: 9 digit Social Security Number (no dashes)

NA	Not applicable (patient is from a foreign country or does not have a social security number)
NOT	Not Recorded/Not Known

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. If the patient's SSN is unkown, input NOT. Never use a "dummy" SSN.

EDITS: UT.0139

UTAH EXPORT: SOCIAL_SECURITY_NUMBER

B. Event Data

B.3 Cause Code

Definition: The mechanism or external factor that caused the traumatic injury event.

Software Field Name: CAUSE_CODE

Data Type: Character (Single entry allowed)

Values: 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.

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
EXP	Explosive force
FALL	Fall (from one level to another or ground level)
FB	Foreign body
GSW	Gunshot wound
HANG	Hanging
MACHINE	Farm or heavy equipment or power tools
MC	Motorcycle crash (includes MC vs. MV)
MV	Motor vehicle Auto or Truck crash
OV	Other vehicular cause (includes ATV, 3-wheel or 4-wheel)
OTHER	Other cause not listed
PED	Pedestrian (not bicycle vs. MV)
STRUCK	Struck against object
SMOKE	Smoke inhalation
SPORT	Sporting injury
STAB	Stab wound (includes cut, slice or pierce)
NOT	Not Recorded/Not Known

Discussion/Uses: The ICD-9-CM **E-Code** data element is a multiple value field. All causes of injury can be included in that field.

EDITS: UT.0076; UT.0076.S; UT.0076.SV

UTAH EXPORT: CAUSE_CODE_SRC

B.4 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, or thermal)

Discussion/Uses: If both blunt and penetrating force were present, select the type of trauma that caused the highest Injury Severity Score.

This field is critical for calculation of the Probability of Survival. Therefore in this particular field, UNK or NA is not allowed. You must pick one of the three values listed.

EDITS: UT.0052; UT.0052.S; UT.0052.SV; UT.0052.L1

UTAH EXPORT: TRAUMA_TYPE_SRC

B.19 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.0077
UTAH EXPORT:	INJURY_DETAIL

C. Referring Hospital Data

C.2 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:

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)
NA	Not applicable, no referring hospital (Trauma registry software will auto fill this field if **Hospital Transfer** = ‘N’)
NOT	Not Recorded/Not Known

Discussion/Uses: 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.

This data can be found on the medical record information that accompanies the patient from the referring hospital.

EDITS: UT.0491; UT.0491.S; UT.0491.SV;

UTAH EXPORT: TRANSFER_MODE

C.3 Referring Hospital

Definition: The three digit numeric code assigned to the referring hospital.

Software Field Name: FROM_HOSPITAL

Data Type: Integer (Single entry allowed)

Values: Hospital codes are assigned by the Utah Department of Health.

The list of codes can be found in Appendix A.

Codes under 100 (non-hospital codes) are not valid responses for this question.

NA Not applicable, no referring hospital (Trauma registry software will auto-fill this field if **Hospital Transfer** = 'N')

NOT Not Recorded/Not Known

Discussion/Uses: 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 **Hospital Transfer** = 'Y')

This data can be found on the medical record information that accompanies the patient from the referring hospital.

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 **Referring Hospital**.

EDITS: UT.0168; UT.0168.S; 0168.SV

UTAH EXPORT: FROM_HOSPITAL_SRC

D. Pre-Hospital Information

D.3 EMS Agency

Definition: The code for each **EMS Agency** 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 values allowed)

Values: Range: 0101L—2931L; 3000L

*Each **EMS Agency** in the state of Utah is assigned a code by the Utah Department of Health*.*

See Appendix B for the list of Licensed Utah EMS Agency codes.

3000L	Unspecified Utah EMS agency
OTHER	Other out of state EMS agency
NA	Not applicable, no EMS transport
NOT	Not Recorded/Not Known

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 **EMS Agencies and Responding Units** involved in transporting the patient.

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.0017; UT.0017S; UT.0017SV

UTAH EXPORT: TRANSPORT_AGENCY_CODE_SRC

D.4 EMS Origin

Definition: The place where patient transport by an **EMS Agency** began.

Software Field Name: TRANSPORT_ORIGIN

Data Type: Character (Multiple values allowed)

Values:

SCENE	Transporting agency from the scene of injury
REF	Referring hospital (includes clinics and doctors' offices)
TRANS	Rendezvous point with other EMS transport unit, (i.e. ground ambulance, fixed wing or helicopter)
NONTRANS	Non-transporting EMS agency (i.e. first responder, fire department, etc.)
NA	Not applicable, no EMS transport
NOT	Not Recorded/Not Known

Discussion/Uses: Sequentially enter all the origins where patient transports by an **EMS Agency** began, starting with the first leg of EMS transport.

The last **EMS Origin** should be the place patient was seen at prior to transport by an **EMS Agency** to your hospital, if applicable.

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

Only one occurrence of 'SCENE' should be input. This should be used to identify the EMS agency transporting the patient from the scene of the accident.

EDITS: UT.0278; UT.0278S; UT.0278SL (checks for more than one TRANSPORT_ORIGIN of 'SCENE')

UTAH EXPORT: TRANSPORT_ORIGIN_SRC

D.7 EMS Respond Time

Definition:

The time 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:

TIME_OUT

Data Type:

Military Time – hh:mm (Multiple values allowed)

Values:

Range: 00:00 to 23:59

NA	Not applicable, no EMS transport
NOT	Not Recorded/Not Known

Discussion/Uses:

Sequentially enter all the respond/departure times 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.0025.L1

UTAH EXPORT:

TIME_OUT

D.8 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 – mmddyyyy (Multiple values allowed)

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

Enter the month, day and year of the referring hospital arrival date.

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

NA Not applicable, no EMS transport

NOT Not Recorded/Not Known

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.0026.L1

UTAH EXPORT: DATE_OUT

D.13 EMS Destination Arrival Time

Definition: The time the EMS Agency arrived with the 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_TIME

Data Type: Military Time – hh:mm (Multiple values allowed)

Values: Range: 00:00 to 23:59

NA	Not applicable, no EMS transport
NOT	Not Recorded/Not Known

Discussion/Uses: Sequentially enter all the destination arrival times 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.0147.L1

UTAH EXPORT: DESTINATION_ARRIVAL_TIME

D.14 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:

Date – mmddyyyy (Multiple values allowed)

Values:

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

Enter the month, day and year of the referring hospital arrival date.

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

NA Not applicable, no EMS transport

NOT Not Recorded

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.0146.L1

UTAH EXPORT:

DESTINATION_ARRIVAL_DATE

D.15 EMS Destination

Definition: The destination where each leg of patient EMS transports ended.

Software Field Name: TRANSPORT_DESTINATION

Data Type: Integer (Multiple values allowed)

Values: Destination/Hospital codes are assigned by the Utah Department of Health***. The list of codes can be found in Appendix A***. If this leg of EMS transport did not end in a hospital, chose from options 010—090.

NA Not applicable, no EMS transport

NOT Not Recorded/Not Known

Discussion/Uses: Sequentially enter all the destinations where each leg of the **EMS Agency** transport ended, starting with the first destination to which the patient was transported. The last **EMS Destination** should be the Hospital Code for your hospital, if applicable.

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.0062; UT.0062S; UT.0062SV

UTAH EXPORT: TRANSPORT_DESTINATION_SRC

D.16 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 **EMS Agency** patient transport.

Software Field Name: TRIP_FORM

Data Type: Character (Multiple values allowed)

Values:

Y	Yes, trip form is available
N	No, trip form is not available
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 **EMS Agency** patient transport.

EDITS: UT.0019; UT.0019S; UT.0019SV

UTAH EXPORT: TRIP_FORM_SRC

D.24 Initial Field GCS Assessment Qualifiers

Definition: Documentation of factors potentially affecting the first assessment of GCS upon arrival in the pre-hospital setting.

Software Field Name: PARALYTICS

Data Type: Character (Single entry allowed)

Values:

Utah Choices	***Description***
I	Patient intubated
IO	Patient intubated and obstruction to eye
O	Obstruction to the patient's eye
S	Patient chemically sedated
SI	Patient chemically sedated and intubated
SIO	Patient chemically sedated, intubated, and obstruction to eye
SO	Patient chemically sedated and obstruction to eye
NA	Not Applicable
NOT	Not Recorded/Not Known

Discussion/Uses: Provides documentation of assessment and care.

Used in quality management for the evaluation of care and EMS Agency Performance.

EDITS: UT.0521.L1

UTAH EXPORT: PARALYTICS1

E. Emergency Department / Hospital Information

E.1 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.0198; UT.0198.L1; UT.0198.L2; UT.0198.L3
2009 – Logic edits have been added – If Admit type is “R”, then ED Disposition Code must not be HOSP. If Admit type is “T”, then ED Disposition Code must be HOSP.
If Admit type is “X” then ED Disposition Code must be D, DOA, or DF

UTAH EXPORT: ADMIT_TYPE

E.2 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:

BURN	Burn service
MED	Other medical service not listed
NSR	Neurosurgery
OB	Obstetrics
ORTHO	Orthopedic surgery
PED	Pediatric service
PSYCH	Psychiatric
SURG	General surgery or other surgical services not listed
TS	Trauma Service (only organized Trauma Service or designated Trauma Center)
NA	Not applicable, patient seen in ED only (ED Discharge Disposition = 'HOME', 'HOSP', 'D', 'DOA', or 'NA')
NOT	Not Recorded/Not Known

Discussion/Uses: None

EDITS: UT.0221; UT.0221S; UT.0221SV

UTAH EXPORT: ADM_SVC_SRC

E.5 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

NA	Not applicable, not an ED patient at your hospital
NOT	Not Recorded/Not Known

Discussion/Uses: This time may or may not coincide with the **Hospital Arrival Time**. 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. (**Hospital Arrival Time** = 23:45 and **ED Admission Time** = 00:10.)

EDITS: UT.0470

UTAH EXPORT: ED_ADM_TIME

E.6 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)

Enter the month, day and year of the referring hospital arrival date.

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

NA Not applicable, no referring hospital (Trauma registry software will auto fill this field if **Hospital Transfer** = 'N')

NOT Not Documented

UNK Unknown (either inadequate or no documentation)

Discussion/Uses: This time may or may not coincide with the **Hospital Arrival Date**. 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. (**Hospital Arrival Date** = 12/01/2001 and **ED Admission Date** = 12/02/2001.)

EDITS: UT.0469

UTAH EXPORT: ED_ADM_DATE

E.9 Inpatient Admission Time

Definition: The time the patient was admitted as an inpatient at your hospital.

Software Field Name: HOSPITAL_ADMISSION_TIME

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

Values: Range: 00:00 to 23:59

NA	Not applicable, not an inpatient at your hospital
NOT	Not Recorded/Not Known

Discussion/Uses: This time may or may not coincide with the **Hospital Arrival Time**. 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. (**Hospital Arrival Time** = 23:45 and **Inpatient Admission Time** = 00:10.)

EDITS: UT.0300

UTAH EXPORT: HOSPITAL_ADMISSION_TIME

E.10 Inpatient Admission Date

Definition: The date the patient was admitted as an inpatient at 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)

Enter the month, day and year of the referring hospital arrival date.

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

NA Not applicable, not an inpatient at your hospital

NOT Not Recorded/Not Known

Discussion/Uses: This time may or may not coincide with the **Hospital Arrival Date**. 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. (**Hospital Arrival Date** = 12/01/2001 and **Inpatient Admission Date** = 12/02/2001.)

EDITS: UT.0247

UTAH EXPORT: HOSPITAL_ADMISSION_DATE

E.14 ED Transferring EMS Agency

Definition: The EMS Agency that transferred the patient out of your ED, if patient was discharged to another hospital (**ED Discharge Disposition** = 'HOSP').

Software Field Name: ED_TRANSFER_MODE

Data Type: Character (Single entry allowed)

Values: Range: 0101L-3011L

*Each **EMS Agency** in the state of Utah is assigned a code by the Utah Department of Health. ***See Appendix B*** for the list of Licensed Utah EMS Agency codes.

OTHER	Other
NA	Not applicable, patient not transferred to another hospital (**ED Discharge Disposition** does not = 'HOSP')
NOT	Not Recorded/Not Known

Discussion/Uses: This field is conditional. Complete only if the patient was transferred from your hospital to another hospital (**ED Discharge Disposition** = 'HOSP' and ADMIT_TYPE = 'T').

EDITS: UT.0075S; UT.0075SV

UTAH EXPORT: ED_TRANSFER_MODE_SRC

E.15 ED Discharge Destination Hospital

Definition: The receiving hospital if the patient was transferred out of the ED to another hospital (**ED Discharge Disposition** = 'HOSP').

Software Field Name: ED_DESTINATION_CODE

Data Type: Integer (Single entry allowed

Values: Hospital codes are assigned by the Utah Department of Health. The list of codes can be found in ***Appendix A.***

Codes under 100 (non-hospital codes) are not valid.

NA	Not applicable, patient not transferred to another hospital (**ED Discharge Disposition** does not = 'HOSP')
NOT	Not Recorded/Not Known

Discussion/Uses: This field is conditional. Complete only if the patient was transferred from your hospital to another hospital (**ED Discharge Disposition** = 'HOSP').

EDITS: UT.0076S; UT.0076SV; UT.0071.L1

UTAH EXPORT: ED_DESTINATION_CODE_SRC

E.16 Transfer Reason

Definition: The reason for transferring the patient ot another Hospital.

Software Field Name: TRANSFER_REASON

Data Type: Character (Single entry allowed)

Values:

INS	Insurance
HIGHER	Specialty Care / Higher Level Care
RESOURCE	Resources Unavailable (Beds, Equipment, Staff, MD)
PTREQ	Patient Request
LOWER	Lower Level Care
NA	Not Applicable, Not Transferred
NOT	Not Recorded/Not Known

Discussion/Uses: Added in 2004 to clarify transfers.

This field will appear as a popup question in trauma registry software if EITHER the ED or DC Disposition is “HOSP”.

EDITS: UT.0049L1; UT.0049S; UT.0049SV

These edits should only trip if the HOSPTIAL_DEPARTURE_YEAR is 2004 or greater AND if either the ED or DC Disposition code is “HOSP”.

UTAH EXPORT: TRANSFER_REASON_SRC

E.18 Hospital Discharge Destination Hospital

Definition: The receiving hospital if the patient was transferred out of your hospital to another hospital (**Hospital Discharge Disposition** = 'HOSP').

Software Field Name: DC_DESTINATION_CODE

Data Type: Integer (Single entry allowed)

Values: Hospital codes are assigned by the Utah Department of Health. The list of codes can be found in ***Appendix A.***

Codes under 100 (non-hospital codes) are not valid.

NA	Not applicable, patient not transferred to another hospital (**Hospital Discharge Disposition** does not = 'HOSP').
NOT	Not Documented Recorded/Not Known

Discussion/Uses: This field is conditional. Complete only if the patient was transferred from your hospital to another hospital (DC_DISPOSITION_CODE = 'HOSP').

EDITS: UT.0014; UT.E0014S; UT.0014SV

UTAH EXPORT: DC_DESTINATION_CODE_SRC

E.19 DC Transferring EMS Agency

Definition: The EMS Agency that transferred the patient out of your Inpatient Unit, if patient was discharged to another hospital (**Hospital Discharge Disposition** = 'HOSP').

Software Field Name: DC_TRANSFER_MODE

Data Type: Character (Single entry allowed)

Values: Range: 0101L-3011L

*Each **EMS Agency** in the state of Utah is assigned a code by the Utah Department of Health.

See Appendix B for the list of Licensed Utah EMS Agency codes.

OTHER	Other
NA	Not applicable, patient not transferred to another hospital (**Hospital Discharge Disposition** does not = 'HOSP').
NOT	Not Recorded/Not Known

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 (**Hospital Discharge Disposition** = 'HOSP').

EDITS: CDM_0698

UTAH EXPORT: DC_TRANSFER_MODE_SRC

E.35 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 patients only. Not admitted as an inpatient.
NA	Not Applicable
NOT	Not Recorded/Not Known

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.-119; UT.0119V (checks for negative LOS)

UTAH EXPORT: LOS

Appendix A: Utah Facility Codes

Other Facilities:

Code	*Description/Hospital*
010	Transporting Unit
025	Doctor's Office
030	Free Standing Clinic
035	Stand Alone Emergency Department
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:

Code	*Description/Hospital*
135	BEAR RIVER VALLEY HOSPITAL – Tremonton
140	BRIGHAM CITY COMMUNITY HOSPITAL – Brigham City
145	DAVIS HOSPITAL & MEDICAL CENTER – Layton
145.A	DAVIS HOSPITAL WEBER CAMPUS – Roy
150	LAKEVIEW HOSPITAL – Bountiful
155	LOGAN REGIONAL HOSPITAL – Logan
160	MCKAY DEE HOSPITAL – Ogden
165.B	PLEASANT VIEW EMERGENCY CENTER- (Ogden Regional)
165	OGDEN REGIONAL MEDICAL CENTER – Ogden
170	MOUNTAIN WEST MEDICAL CENTER – Toole
180	CACHE VALLEY SPECIALTY HOSPITAL – North Logan
220	ALTA VIEW HOSPITAL – Sandy
230	SALT LAKE REGIONAL MEDICAL CENTER – Salt Lake City
235	JORDAN VALLEY HOSPITAL- West Jordan
240	LDS HOSPITAL – Salt Lake City
245	JORDAN VALLEY MEDICAL CENTER: WEST VALLEY CAMPUS – West Valley
250	PRIMARY CHILDREN'S MEDICAL CENTER – Salt Lake City
260	ST. MARK'S HOSPITAL – Salt Lake City
260.B	TAYLORSVILLE EMERGENCY CENTER – Taylorsville (St. Mark's)
261	LONEPEAK EMERGENCY CENTER – Draper (St.Marks)
265	U OF U MEDICAL CENTER – Salt Lake City
265.A	SOUTH JORDAN HEALTH CENTER – South Jordan (University of Utah)
270	VETERANS ADMINISTRATION MEDICAL CENTER- Salt Lake City
275	THE ORTHOPEDIC SPECIALTY HOSPITAL – Murray
290	INTERMOUNTAIN MEDICAL CENTER – Salt Lake City
295	RIVERTON HOSPITAL – Riverton
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	WASATCH COUNTY HOSPITAL (HEBER VALLEY) – Heber City
370	TIMPANOGOS REGIONAL MEDICAL CENTER – Orem
375	PARK CITY MEDICAL CENTER – Park City (2009)
440	FILLMORE COMMUNITY MEDICAL CENTER – Fillmore
445	GUNNISION VALLEY HOSPITAL – Gunnison
450	CENTRAL VALLEY MEDICAL CENTER – Nephi
455	SANPETE VALLEY HOSPITAL – Mt. Pleasant
460	SEVIER VALLEY HOSPITAL – Richfield
465	DELTA COMMUNITY MEDICAL CENTER – Delta
530	MOAB REGIONAL 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
575	BLUE MOUNTAIN MEDICAL CENTER – Blanding
580	MOUNTAIN POINT HOSPITAL – Lehi
585	LAYTON HOSPITAL--Layton
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

Obsolete Hospital Codes:

Code	*Description/Hospital*
065	OTHER OUT OF STATE HOSPITAL
175	HILL AIR FORCE BASE
225	COTTONWOOD HOSPITAL – Murray
280	ROCKY MOUNTAIN MEDICAL CENTER – Salt Lake City
560	MONUMENT VALLEY HOSPITAL

Appendix B: EMS Agency Codes

DEFINITIONS OF SERVICE LEVELS

AMB_B	Ground Ambulance Basic Level
AMB_I	Ground Ambulance Intermediate Level
AMB_IA	Ground Ambulance Intermediate Advanced 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

Agency Name	AGENCY CODE	Agency Primary Type Of Service
Grand County Emergency Medical Services - Primary license #1001L	1001	911 Response (Scene) without Transport Capability
Brian Head Department Of Public Safety - Primary Designation #1104D	1104	911 Response (Scene) without Transport Capability
Gold Cross Ambulance Services, Inc.-Iron County - Primary license #1110L	1110	911 Response (Scene) with Transport Capability
Juab County Emergency Medical Services - Primary license #1201L	1201	911 Response (Scene) with Transport Capability
Levan Town Ambulance - Primary license #1204L	1204	911 Response (Scene) with Transport Capability
Rocky Ridge Ems - Primary license #1215D	1215	911 Response (Scene) without Transport Capability
Kane County Ambulance - Primary license #1301L	1301	911 Response (Scene) with Transport Capability
Cedar Mountain Fire Protection District - Primary Designation #1305D	1305	911 Response (Scene) without Transport Capability
Millard County Ambulance - Primary license #1401L	1401	911 Response (Scene) with Transport Capability
Scipio Ambulance - Primary license #1403L	1403	911 Response (Scene) with Transport Capability
Morgan County Ambulance - Primary license #1501L	1501	911 Response (Scene) with Transport Capability
Piute County Ambulance - Primary license #1601L	1601	911 Response (Scene) with Transport Capability
Rich County Ambulance - Primary license #1701L	1701	911 Response (Scene) with Transport Capability
Salt Lake City Fire Department - Primary license #1804L	1804	911 Response (Scene) with Transport Capability
Sandy City Fire Department - Primary license #1809L	1809	911 Response (Scene) with Transport Capability
Gold Cross Ambulance Services Inc-Slc - Primary license #1812L	1812	Medical Transport (Interfacility)
South Salt Lake Fire Department - Primary license #1820L	1821	911 Response (Scene) with Transport Capability
Utah Air National Guard Fire Department - Primary license #1826D	1826	911 Response (Scene) without Transport Capability
Utah State Prison - Primary license #1850D	1850	911 Response (Scene) without Transport Capability

Draper City Fire Department-Primary # 1852L	1852	911 Response (Scene) with Transport Capability
South Jordan Fire Department - Primary license #1858L	1858	911 Response (Scene) with Transport Capability
West Jordan Fire Department - Primary license #1861L	1861	911 Response (Scene) with Transport Capability
West Valley City Fire Department - Primary license #1865L	1865	911 Response (Scene) with Transport Capability
Unified Fire Authority - Primary license #1867L	1867	911 Response (Scene) without Transport Capability
Murray City Fire Department - Primary license #1857L	1868	911 Response (Scene) with Transport Capability
Bluffdale Fire Department - Primary license #1869L	1869	911 Response (Scene) with Transport Capability
San Juan County Ems - Primary license #1904L	1904	911 Response (Scene) with Transport Capability
Utah Navajo Health System - Primary license #1915L	1915	911 Response (Scene) with Transport Capability
Gunnison Valley Hospital Ambulance - Primary license #2001L	2001	911 Response (Scene) with Transport Capability
North Sanpete Ambulance - Primary license #2002L	2002	911 Response (Scene) with Transport Capability
Ephraim Ambulance Association - Primary license #2007L	2007	911 Response (Scene) with Transport Capability
Manti Ambulance Association/Manti City Corporation - Primary license #2008L	2008	911 Response (Scene) with Transport Capability
Sevier County Ambulance - Primary license #2101L	2101	911 Response (Scene) with Transport Capability
South Summit Ambulance Service - Primary license #2202L	2202	911 Response (Scene) with Transport Capability
North Summit Fire District - Primary license #2205D	2205	911 Response (Scene) without Transport Capability
Park City Fire District/Summit Co-License #2220L	2220	911 Response (Scene) with Transport Capability
North Summit Ambulance - License 2221L	2221	911 Response (Scene) with Transport Capability
Grantsville Fire Department - Primary Designation # 2320D	2306	911 Response (Scene) without Transport Capability
Stockton Fire Department 2310D	2310	911 Response (Scene) without Transport Capability
Wendover Ambulance Service - Primary license #2315L	2315	911 Response (Scene) with Transport Capability
Mountain West Ambulance - Primary license #2320L	2320	911 Response (Scene) with Transport Capability
Tooele City Fire Department - 2326D	2326	911 Response (Scene) without Transport Capability
Utah Test and Training Range (UTTR)	2327	911 Response (Scene) with Transport Capability
North Tooele County Fire Service District - Primary license #2330D	2330	911 Response (Scene) without Transport Capability

Deseret Generation & Transmission - Primary license #2402L	2402	911 Response (Scene) with Transport Capability
Ute Tribe Ambulance Service - Primary license #2403L	2403	911 Response (Scene) with Transport Capability
Gold Cross Ambulance Services, Inc-Eastern - Primary license #2404L	2404	911 Response (Scene) with Transport Capability
Uintah Fire Suppression Special Service District - Primary license #2411D	2411	911 Response (Scene) without Transport Capability
Payson City Ambulance - Primary license #2503L	2503	911 Response (Scene) with Transport Capability
Provo City Fire and Rescue - Primary license #2505L	2505	911 Response (Scene) with Transport Capability
Orem Department Of Public Safety - Primary license #2506L	2506	911 Response (Scene) with Transport Capability
Springville Fire And Rescue - Primary license #2508L	2508	911 Response (Scene) with Transport Capability
Spanish Fork Ambulance - Primary license #2509L	2509	911 Response (Scene) with Transport Capability
Santaquin City Ambulance - Primary license #2513L	2513	911 Response (Scene) with Transport Capability
Salem Emergency Medical Assoc - Primary license #2517L	2517	911 Response (Scene) with Transport Capability
Mapleton Ambulance - Primary license #2518L	2518	911 Response (Scene) with Transport Capability
Utah County Sheriff Search & Rescue Service - Primary license #2526D	2526	911 Response (Scene) without Transport Capability
Elk Ridge City Fire Department - Primary Designation #2531D	2531	911 Response (Scene) without Transport Capability
Brigham Young University - Primary Designation # 2532D	2532	911 Response (Scene) without Transport Capability
Lone Peak Public Safety District - Primary license #2535L	2535	911 Response (Scene) with Transport Capability
American Fork City - Primary license #2540L	2540	911 Response (Scene) without Transport Capability
North Fork Fire Department - Primary license #2541L	2541	Crash Truck or Other Specialty Vehicle (Rescue)
Pleasant Grove Fire Department - Primary license #2545L	2545	911 Response (Scene) with Transport Capability
Lehi Fire/Emergency Medical Services - Primary license #2550L	2550	911 Response (Scene) with Transport Capability
Saratoga Springs Fire & Rescue - Primary license #2551L	2551	911 Response (Scene) with Transport Capability
Utah Valley University #2555D	2555	911 Response (Scene) without Transport Capability
Wasatch County Emergency Medical Services - Primary license #2601L	2601	911 Response (Scene) with Transport Capability
Hurricane Valley Fire Special Services District - Primary license #2722L	2703	911 Response (Scene) with Transport Capability
Santa Clara Fire Department - Primary license #2711D	2711	911 Response (Scene) without Transport Capability

Washington County Sheriff's Office S&R - Primary # 2715D	2715	911 Response (Scene) without Transport Capability
Hildale Fire Department - Primary license #2720L	2720	911 Response (Scene) with Transport Capability
St. George City Fire Department - Primary license #2725D	2725	911 Response (Scene) without Transport Capability
Enterprise Ambulance Service - Primary license #2701L	2732	911 Response (Scene) with Transport Capability
Washington City Fire Department-Primary license #2734D	2734	911 Response (Scene) without Transport Capability
Pine Valley Special Service District - Primary license #2736D	2736	911 Response (Scene) without Transport Capability
Dixie Regional Medical Center - Primary license #2738L	2738	Medical Transport (Interfacility)
Rockville/Springdale Fire Protection District - Primary license #2740L	2740	911 Response (Scene) without Transport Capability
Dammeron Valley Fire & Rescue SSD - Primary Designation #2745D	2745	911 Response (Scene) without Transport Capability
Santa Clara Ivins City Public Safety - Primary license #2746L	2746	911 Response (Scene) with Transport Capability
Gold Cross Ambulance Services, Inc-Southern - Primary license #2765L	2765	911 Response (Scene) with Transport Capability
Wayne County Ems - Primary license #2801L	2801	911 Response (Scene) with Transport Capability
Washington Terrace Fire Dept - Primary license #2907D	2907	911 Response (Scene) without Transport Capability
Weber Co/Ogden City FD - Primary license #2917L	2917	Medical Transport (Interfacility)
North View Fire District - Primary license #2919L	2919	911 Response (Scene) with Transport Capability
Plain City Fire Department - Primary license #2921D	2921	911 Response (Scene) without Transport Capability
Weber County Sheriff - Primary license #2932D	2932	911 Response (Scene) without Transport Capability
South Ogden City Public Safety Fire Department - Primary license #2933L	2933	911 Response (Scene) with Transport Capability
Riverdale Fire Services - Primary license #2934L	2934	911 Response (Scene) with Transport Capability
Uintah City Fire Department - Primary license #2936D	2936	911 Response (Scene) with Transport Capability
Roy City Fire And Rescue Department - Primary license #2940L	2940	911 Response (Scene) with Transport Capability
Weber Fire District - Primary license #2945L	2945	911 Response (Scene) with Transport Capability
Airmed/University Of Utah Medical Center - Primary license #3001L	3001	Medevac/Helicopter EMS (HEMS)
Intermountain Life Flight - Primary license #3002L	3002	Medevac/Helicopter EMS (HEMS)
Classic Air Care Inc. Dba Classic Life Guard - Primary license #3003L	3003	Medevac/Helicopter EMS (HEMS)

Eagle Air Med Corporation - Primary license #3004L	3004	Medevac/Helicopter EMS (HEMS)
CareFlight of the Rockies - Primary license #3005L	3005	Medevac/Helicopter EMS (HEMS)
Life Guard International, Inc. - Primary license #3006L	3006	Medevac/Helicopter EMS (HEMS)
Air Ambulance Specialists, Inc. - Primary license #3007L	3007	Medevac/Helicopter EMS (HEMS)
San Juan Regional Medical Center/Air Care - Primary license #3009L	3009	Medevac/Helicopter EMS (HEMS)
Air Methods/Mercy Air Service, Inc. - Primary license #3010L	3010	Medevac/Helicopter EMS (HEMS)
Tristate Care Flight	3011	Medevac/Helicopter EMS (HEMS)
Flight For Life Colorado - Primary license #3013L	3013	Medevac/Helicopter EMS (HEMS)
Northern Arizona Healthcare DBA Guardian - Primary license #3014L	3014	Medevac/Helicopter EMS (HEMS)
Guardian Flight, LLC - Primary license #3016L	3016	Medevac/Helicopter EMS (HEMS)
MountainStar AirCare Corp	3018	Medevac/Helicopter EMS (HEMS)
Beaver Ambulance Service - Primary license #0101L	0101	911 Response (Scene) with Transport Capability
Milford Valley Ambulance Service - Primary license #0102L	0102	911 Response (Scene) with Transport Capability
Brigham City Ambulance - Primary license #0201L	0201	911 Response (Scene) with Transport Capability
Tremonton City Fire Department - Primary license #0202L	0202	911 Response (Scene) with Transport Capability
Plymouth Fire Department - Primary license #0205L	0205	911 Response (Scene) with Transport Capability
Northrop Grumman Utah (ATK)- Primary license #0210L	0210	911 Response (Scene) with Transport Capability
Garland Fire Department-Primary License #0211D	0211	911 Response (Scene) without Transport Capability
Willard City Fire Department - Primary Designation #0214D	0214	911 Response (Scene) without Transport Capability
Perry City First Responders # 0215D	0215	911 Response (Scene) without Transport Capability
Central Box Elder Special Service Fire District - Primary Designation # 0216D	0216	911 Response (Scene) without Transport Capability
Curlew Ambulance Service - Primary license #0222L	0222	911 Response (Scene) with Transport Capability
Thatcher-Penrose Fire Department - Primary license #0224D	0224	911 Response (Scene) without Transport Capability
Box Elder County Ambulance - Primary license #0225L	0225	911 Response (Scene) with Transport Capability
Fielding Fire Department - Primary license #0260L	0260	911 Response (Scene) without Transport Capability

Hyrum First Responders - Primary license #0302D	0302	911 Response (Scene) without Transport Capability
Lewiston First Responders - Primary license #0303D	0303	911 Response (Scene) without Transport Capability
Newton First Responders - Primary license #0304D	0304	911 Response (Scene) without Transport Capability
Paradise First Responders - Primary license #0305D	0305	911 Response (Scene) without Transport Capability
Wellsville First Responders - Primary license #0306D	0306	911 Response (Scene) without Transport Capability
Smithfield First Responders - Primary license #0307D	0307	911 Response (Scene) without Transport Capability
Cache County Fire District - Primary Designation #0312D	0312	911 Response (Scene) without Transport Capability
Mendon Fire Department - Primary license #0313D	0313	911 Response (Scene) without Transport Capability
Cache County Sheriff's Office Search & Rescue	0315	911 Response (Scene) without Transport Capability
Richmond Fire Department - Primary license #0316D	0316	911 Response (Scene) without Transport Capability
North Logan Fire Department - Primary license #0317D	0317	911 Response (Scene) without Transport Capability
Nibley First Responders - Primary license #0320D	0320	911 Response (Scene) without Transport Capability
Trenton First Responders - Primary license #0321D	0321	911 Response (Scene) without Transport Capability
Clarkston Fire & Rescue Department - Primary Designation #0325D	0325	911 Response (Scene) without Transport Capability
Cache Co. EMS Authority - Primary license #0334L	0334	911 Response (Scene) with Transport Capability
Cache County Sheriffs Office SWAT - Primary license #0335L	0335	Crash Truck or Other Specialty Vehicle (Rescue)
East Carbon City Sunnyside Ambulance #0401L	0401	911 Response (Scene) with Transport Capability
Carbon County Ambulance - Primary license #0402L	0402	911 Response (Scene) with Transport Capability
Helper Fire Department - Primary Designation #0406D	0406	911 Response (Scene) without Transport Capability
Daggett County Ambulance - Primary license #0501L	0501	911 Response (Scene) with Transport Capability
Davis County Sheriffs Office - Primary license #0603L	0603	Crash Truck or Other Specialty Vehicle (Rescue)
Kaysville City Fire Department - Primary license #0606L	0606	911 Response (Scene) with Transport Capability
Clinton City Fire Department - Primary license #0612L	0612	911 Response (Scene) with Transport Capability
Syracuse City Fire Department - Primary license #0618D	0618	911 Response (Scene) without Transport Capability
North Davis Fire District - Primary license #0620L	0620	911 Response (Scene) with Transport Capability

Sunset City Fire Department - Primary license #0640L	0628	911 Response (Scene) with Transport Capability
Farmington City Fire Department - Primary license #0630L	0630	911 Response (Scene) with Transport Capability
Layton City Fire Department - Primary license #0631L	0631	911 Response (Scene) with Transport Capability
South Davis Metro Fire Agency - Primary license #0635L	0635	Crash Truck or Other Specialty Vehicle (Rescue)
South Weber Fire Department 0637D	0637	911 Response (Scene) without Transport Capability
Hill Fire & Emergency Services -#0645D	0645	911 Response (Scene) without Transport Capability
Uintah Basin Medical Center - Primary license #0714L	0714	911 Response (Scene) with Transport Capability
Emery County Ambulance - Primary license #0801L	0801	911 Response (Scene) with Transport Capability
Garfield County Ambulance - Primary license #0901L	0901	911 Response (Scene) with Transport Capability
Adobe Lehi EMS-Primary Designation #2556D	2556	911 Response (Scene) without Transport Capability

Appendix C: Country Codes

Code	*Country*	*Code*	*Country*
US	United States	HR	Croatia
MX	Mexico	CU	Cuba
CA	Canada	CY	Cyprus
AF	Afghanistan	EZ	Czech Republic
AL	Albania	DA	Denmark
AG	Algeria	DJ	Djibouti
AN	Andorra	DO	Dominica
AO	Angola	DR	Dominican Republic
AC	Antigua and Barbuda	TT	East Timor
AR	Argentina	EC	Ecuador
AM	Armenia	EG	Egypt
AS	Australia	ES	El Salvador
AU	Austria	EK	Equatorial Guinea
AJ	Azerbaijan	ER	Eritrea
BF	Bahamas	EN	Estonia
BA	Bahrain	ET	Ethiopia
BG	Bangladesh	FJ	Fiji
BB	Barbados	FI	Finland
BO	Belarus	FR	France
BE	Belgium	GB	Gabon
BH	Belize	GA	Gambia, The
BN	Benin	GG	Georgia
BT	Bhutan	GM	Germany
BL	Bolivia	GH	Ghana
BK	Bosnia and Herzegovina	GR	Greece
BC	Botswana	GJ	Grenada
BR	Brazil	GT	Guatemala
BX	Brunei	GV	Guinea
BU	Bulgaria	PU	Guinea-Bissau
UV	Burkina Faso	GY	Guyana
BM	Burma	HA	Haiti
BY	Burundi	VT	Holy See
CB	Cambodia	HO	Honduras
CM	Cameroon	HU	Hungary
CV	Cape Verde	IC	Iceland
CT	Central African Republic	IN	India
CD	Chad	ID	Indonesia
CI	Chile	IR	Iran
CH	China	IZ	Iraq
CO	Colombia	EI	Ireland
CN	Comoros	IS	Israel
CF	Congo (Brazzaville)	IT	Italy
CG	Congo (Kinshasa)	JM	Jamaica
CS	Costa Rica	JA	Japan
IV	Cote d'Ivoire	JO	Jordan
KZ	Kazakhstan	PM	Panama
KE	Kenya	PP	Papua New Guinea
KR	Kiribati	PA	Paraguay
KN	Korea, North	PE	Peru
KS	Korea, South	RP	Philippines
KU	Kuwait	PL	Poland
KG	Kyrgyzstan	PO	Portugal

Code	Country	Code	Country
LA	Laos	QA	Qatar
LG	Latvia	RO	Romania
LE	Lebanon	RS	Russia
LT	Lesotho	RW	Rwanda
LI	Liberia	SC	Saint Kitts and Nevis
LY	Libya	ST	Saint Lucia
LS	Liechtenstein	VC	Saint Vincent and the Grenadines
LH	Lithuania	WS	Samoa
LU	Luxembourg	SM	San Marino
MK	Macedonia	TP	São Tomé and Príncipe
MA	Madagascar	SA	Saudi Arabia
MI	Malawi	RB	Serbia
MY	Malaysia	SE	Seychelles
MV	Maldives	SL	Sierra Leone
ML	Mali	SN	Singapore
MT	Malta	LO	Slovakia
RM	Marshall Islands	SI	Slovenia
MR	Mauritania	BP	Solomon Islands
MP	Mauritius	SO	Somalia
FM	Micronesia	SF	South Africa
MD	Moldova	SP	Spain
MN	Monaco	CE	Sri Lanka
MG	Mongolia	SU	Sudan
MJ	Montenegro	NS	Suriname
MO	Morocco	WZ	Swaziland
MZ	Mozambique	SW	Sweden
WA	Namibia	SZ	Switzerland
NR	Nauru	SY	Syria
NP	Nepal	TI	Tajikistan
NL	Netherlands	TW	Taiwan
NZ	New Zealand	TZ	Tanzania
NU	Nicaragua	TH	Thailand
NG	Niger	TO	Togo
NI	Nigeria	TN	Tonga
NO	Norway	TS	Tunisia
MU	Oman	TU	Turkey
PK	Pakistan	TX	Turkmenistan
PS	Palau	TV	Tuvalu
UG	Uganda	VM	Vietnam
UP	Ukraine	YM	Yemen
AE	United Arab Emirates	ZA	Zambia
UK	United Kingdom	ZI	Zimbabwe
UY	Uruguay	NA	Not Applicable
UZ	Uzbekistan	NOT	Not Recorded/Not Known
NH	Vanuatu		
VE	Venezuela		

Appendix D: Utah Counties, Cities and Zip Codes

County Code	*Description / (FIPS)*	*Cities*	*Zip Code*
BEAVER	Beaver (49001)	Adamsville	84713
		Beaver	84713
		Burbank	84751
		Cove Fort	84713
		Greenville	84731
		Manderfield	84713
		Milford	84751
		Minersville	84752
		North Creek	84713
BOX ELDER	Box Elder (49003)	Axtell	84621
		Bear River City	84301
		Beaverdam	84306
		Beeton	84309
		Bothwell	84337
		Brigham City	84302
		Bushnell	84302
		Collinstonn	84306
		Corinne	84307
		Crystal Springs	84314
		Deweyville	84309
		Elwood	84337
		Etna	84313
		Fielding	84311
		Garland	84312
		Grouse Creek	84313
		Honeyville	84314
		Howell	84316
		Madsen	84314
		Mantua	84324
		Park Valley	84329
		Penrose	84337
		Perry	84302
		Plymouth	84330
		Portage	84331
		Promontory	84307
		Riverside	84334
		Rosette	84329
		Snowville	84336
		Thatcher	84337
		Tremonton	84337
		Willard	84340
CACHE	Cache (49007)	Amalga	84335
		Avon	84319
		Benson	84335
		Brigham City	84304
		Cache Junction	84304
		Clarkston	84305
		College Ward	84321
		Cornish	84308
		Cove	84320
		Hyde Park	84318
		Hyrum	84319

County Code	*Description / (FIPS)*	*Cities*	*Zip Code*
		Lewiston	84320
		Logan	84321
		Mendon	84325
		Millville	84326
		Newton	84327
		NIbley	84321
		North Logan	84321
		Paradise	84328
		Petersboro	84325
		Providence	84332
		Richmond	84333
		River Heights	84321
		Smithfield	84335
		Trenton	84338
		Utah State University	84322
		Wellsville	84339
CARBON	Carbon (49007)	Carbonville	84501
		Castle Gate	84526
		Columbia	84501
		East Carbon	84520
		East Wellington	84542
		Helper	84526
		Hiawatha	84527
		Kenilworth	84529
		Martin	84526
		Price	84501
		Scofield	84501
		Spring Glen	84526
		Standardville	84526
		Sunnyside	84539
		Wellington	84542
		Woodside	84501
DAGGETT	Daggett (49009)	Dutch John	84023
		Green Lake	84046
		Greendale	84023
		Manila	84046
DAVIS	Davis (49011)	Anchorage	84015
		Arsenal	84015
		Bountiful	84087, 84010, 84011
		Centerville	84014
		Clearfield	84015
		Clinton	84015
		East Layton	84040
		Farmington	84025
		Fruit Heights	84037
		Hill A.F.B.	84056
		Kaysville	84037
		Layton	84040, 84075, 84041
		North Salt Lake	84054
		Sunset	84015
		Syracuse	84075
		Val Verda	84010

County Code	*Description / (FIPS)*	*Cities*	*Zip Code*
DAVIS	Davis (49011)	West Kaysville	84037
		West Layton	84041
		West Point	84015
		Woods Cross	84087
DUCHESNE	Duchesne (49013)	Arcadia	84012
		Altamont	84001, 84002
		Bluebell	84007
		Boneta	84001
		Bridgeland	84012
		Cedarview	84066
		Defas Park	84031
		Duchesne	84021
		Fruitland	84027
		Hanna	84031
		Ioka	84066
		Leeton	84066
		Monarch	84066
		Mountain Home	84051
		Myton	84052
		Neola	84053
		Roosevelt	84066
		Tabiona	84072
		Talmage	84073
		Upalco	84007
EMERY	Emery (49015)	Castle Dale	84513
		Clawson	84516
		Cleveland	84518
		Elmo	84521
		Emery	84522
		Ferron	84523
		Green River	84525
		Huntington	84528
		Lawrence	84528
		Molen	84523
		Moore	84523
		Orangeville	84537
GARFIELD	Garfield (49017)	Angle	84712
		Antimony	84712
		Boulder	84716
		Bryce	84764
		Bryce Canyon	84761
		Cannonville	84718
		Escalante	84726
		Henrieville	84736
		Panguitch	84759
		Spry	84759
		Tropic	84716
GRAND	Grand (49019)	Arches	84532
		Canyonlands	84532
		Castleton	84532
		Cisco	84515
		Moab	84532

County Code	*Description / (FIPS)*	*Cities*	*Zip Code*
GRAND	Grand (49019)	Natural Bridges	84532
		Thompson	84540
IRON	Iron (49021)	Beryl	84714
		Beryl Junction	84714
		Brian Head	84719
		Cedar Breaks	84720
		Cedar City	84720
		Enoch	84720
		Kanarraville	84742
		Lund	84720
		Modena	84753
		Newcastle	84756
		Paragonah	84760
		Parowan	84761
		Pinto	84756
		Summit	84772
		Uvada	84753
JUAB	Juab (49023)	Eureka	84628
		Levan	84639
		Mona	84645
		Nephi	84648
		Starr	84645
KANE	Kane (49025)	Alton	84710
		Big Water	84741
		Duck Creek Village	84762
		Glen Canyon	84741
		Glendale	84729
		Hatch	84735
		Kanab	84741
		Mount Carmel	84755
		Orderville	84758
MILLARD	Millard (49027)	Abraham	84635
		Delta	84624
		Deseret	84624
		Eskdale	84728
		Fillmore	84631
		Flowell	84631
		Garrison	84728
		Hinckley	84635
		Holden	84636
		Lanosh	84637
		Leamington	84638
		Lynndyl	84640
		Meadow	84644
		Oak City	84649
		Oasis	84650
		Scipio	84656
		Sugarville	84624
		Sutherland	84624
		Woodrow	84624
MORGAN	Morgan (49029)	Como Springs	84050
		Croydon	84018

County Code	*Description / (FIPS)*	*Cities*	*Zip Code*
MORGAN	Morgan (49029)	Devils Slide	84050
		Enterprise	84050
		Littleton	84050
		Milton	84050
		Morgan	84050
		Mountain Green	84050
		Peterson	84050
		Porterville	84050
		Richville	84050
		Stoddard	84050
PIUTE	Piute (49031)	Circleville	84723
		Greenwich	84732
		Junction	84740
		Kingston	84743
		Marysvale	84750
		Richfield	84732
RICH	Rich (49033)	Garden City	84028
		Laketown	84038
		Meadowville	84038
		Pickleville	84028
		Randolph	84064
		Round Valley	84038
		Swan Creek	84028
		Woodruff	84086
SALT LAKE	Salt Lake (49035)	Alta	84092
		Atwood	84107
		Belmont Heights	84070, 84092
		Bennion	84118
		Bingham Canyon	84006
		Bluffdale	84065
		Brighton	84121
		Burton	84115
		Butlerville	84121
		Camp Williams	84065
		Cooperton	84006
SALT LAKE	Salt Lake (49035)	Cottonwood	84121
		Cottonwood Heights	84117
		Cottonwood Meadows	84117
		Crescent	84092, 84070
		Cushing	84047
		Draper	84020
		Eastwood Hills	84106
		Emigration Canyon	84108
		Fairgrounds	84116
		Foothill	84108
		Fort Douglas	84113
		Granger	84119
		Granger Hunter	84119
		Granite	84070, 84092
		Granite Park	84106
		Greenfield Village	84117
		Herriman	84096

County Code	*Description / (FIPS)*	*Cities*	*Zip Code*
SALT LAKE	Salt Lake (49035)	Holladay	84124, 84117
		Hunter	84120
		Kearns	84118
		Key Bank	84189
		Knudsen Corner	84121
		Magna	84044
		Midvale	84047
		Millcreek	84109
		Mount Olympus	84117
		Murray	84107, 84123
		Northwest	84116
		Pallas	84107
		Park Terrace	84106
		Pioneer	84111
		Pleasant Green	84044
		Redwood	84119
		Riverton	84065
		Roper	84115
		Rose Park	84116
		Salt Lake City	84100, 84101, 84102, 84103, 84104, 84105, 84106, 84107, 84108, 84109, 84111, 84112, 84113, 84114, 84115, 84116, 84117, 84118, 84119, 84120, 84121, 84123, 84124, 84133, 84138, 84144, 84180
		Salt Lake Community College	84190
		Sandy	84092, 84093, 84070, 84094
		Sherwood Park	84092, 84070
		Silver Fork	84121
		Snowbird	84092
		South Jordan	84095
		South Salt Lake	84115
		Sugarhouse	84105, 84106
		Taylorsville	84119, 84123
		Union	84047
		University Medical Center	84132
		West Jordan	84088, 84084, 84081
		West Valley	84199, 84120
		White City	84092, 84070
SANPETE	Sanpete (49037)	Birdseye	84629
		Centerfield	84622
		Chester	84623
		Ephraim	84627
		Fairview	84629
		Fayette	84630
		Fountain Green	84632
		Gunnison	84634
		Indianola	84629
SANPETE	Sanpete (49037)	Manti	84642

County Code	*Description / (FIPS)*	*Cities*	*Zip Code*
		Mayfield	84643
		Milburn	84629
		Moroni	84646
		Mount Pleasant	84647
		Oak Creek	84629
		Spring City	84662
		Sterling	84665
		Thistle	84629
		Wales	84667
SAN JUAN	San Juan (49039)	Aneth	84510
		Blanding	84511
		Bluff	84512
		Bullfrog	84533
		Eastland Township	84535
		Halls Crossing	84533
		Hite	84533
		La Sal	84530
		Lake Powell	84533
		Mexican Hat	84531
		Montezuma Creek	84534
		Monticello	84535
		Monument Valley	84536
		Ticaboo	84533
SEVIER	Sevier (49041)	Annabelle	84711
		Aurora	84620
		Austin	84754
		Bowery Haven	84701
		Central Valley	84754
		Burrville	84701
		Elsinore	84724
		Fish Lake	84701
		Gooseberry	84654
		Joseph	84739
		Koosharem	84744
		Monroe	84754
		Redmond	84652
		Richfield	84701
		Salina	84654
		Sevier	84766
		Sigurd	84657
		Venice	84701
SUMMIT	Summit (49043)	Coalville	84017
		Echo	84024
		Francis	84036
		Henefer	84033
		Hoytsville	84017
		Jeremy Ranch	84098
		Kamas	84036
		Kimball Junction	84098
		Marion	84036
		Oakley	84055
SUMMIT	Summit (49043)	Park City	84060, 84068, 84098

County Code	*Description / (FIPS)*	*Cities*	*Zip Code*
		Peoa	84061
		Pine Cliff	84017
		Pinebrook	84098
		Snyderville	84098
		Summit Park	84098
		Upton	84017
		Wanship	84017
		Woodland	84036
TOOELE	Tooele (49045)	Bauer	84071
		Burmester	84029
		Clover	84069
		Dugway	84022
		Erda	84074
		Faust	84080
		Grantsville	84029
		Ibapah	84034
		Lake Point	84074
		Lincoln	84074
		Marblehead	84029
		Ophir	84071
		Partoun	84083
		Rowley	84029
		Rush Valley	84069
		Saint John	84069
		Skull Valley	84029
		Stansbury Park	84074
		Stockton	84071
		Terra	84022
		Tooele	84074
		Tooele Army Depot	84074
		Trout Creek	84083
		Vernon	84080
		Wendover	84083
UINTAH	Uintah (49047)	Bonanza	84008
		Bottle Hollow	84026
		Dry Fork	84078
		Fort Duchesne	84026
		Gusher	84030
		Jensen	84035
		Lapoint	84039
		Maeser	84078
		Naples	84078
		Ouray	84026
		Randlett	84063
		Tridell	84076
		Vernal	84008, 84078
		Whiterocks	84085
UTAH	Utah County (49049)	Alpine	84004
		American Fork	84003
		Benjamin	84660
		Bonnie	84057, 84058
UTAH	Utah County (49049)	Brigham Young University	84602

County Code	*Description / (FIPS)*	*Cities*	*Zip Code*
		Bunker	84057, 84058
		Cedar Hills	84062
		Cedar Valley	84013
		Clyde	84057
		Colton	84601
		Covered Bridge	84660
		Eagle Mountain	84005, 84043
		Edgemont	84601
		Elberta	84626
		Elk Ridge	84651
		Fairfield	84013
		Genola	84655
		Gilluly	84601
		Goshen	84633
		Hardy Beet Spur	84062
		Highland	84003
		Lake Shore	84660
		Lakeview	84601
		Lehi	84043
		Leland	84660
		Lindon	84042
		Mapleton	84662
		Olmstead	84601
		Orem	84057, 84058, 84097
		Palmyra	84660
		Payson	84651
		Pleasant Grove	84062
		Provo	84601, 84602, 84604, 84606
		Provo Canyon	84604
		Provo Junction	84601
		Salem	84653
		Salem Hills	84660
		Santaquin	84655
		Saratoga Springs	84043, 84045
		Smoot	84601
		Soldier Summit	84601
		Spanish Fork	84660
		Spring Lake	84651
		Springdell	84601
		Springville	84663
		Sundance	84604
		Timpanogos	84003
		University	84601
		Vineyard	84058, 84604
		Vivian Park	84601
		Wicks	84601
		Wildwood	84601
		Woodland Hills	84653
WASATCH	Wasatch (49051)	Center Creek	84032
		Charleston	84032
WASATCH	Wasatch (49051)	Daniels	84032
		Heber	84032

County Code	*Description / (FIPS)*	*Cities*	*Zip Code*
		Mayflower	84032
		Midway	84049
		Wallsburg	84082
WASHINGTON	Washington (49053)	Apple Valley	84737
		Big Valley	84741
		Brookside	84782
		Cedar City	84782, 84783, 84722
		Central	84722
		Dammeron	84783
		Enterprise	84725
		Gunlock	84733
		Harrisburg Junction	84770
		Hildale	84784
		Hurricane	84737
		Ivins	84738
		La Verkin	84745
		Leeds	84746
		Middleton	84770
		New Harmony	84757
		Pine Valley	84722
		Pintura	84720
		Rockville	84763
		Santa Clara	84765
		Springdale	84767
		St. George	84770
		Toquerville	84774
		Veyo	84782
		Virgin	84779
		Washington	84780
		Zion National Park	84767
WAYNE	Wayne (49055)	Bicknell	84715
		Caineville	84775
		Capitol Reef	84775
		Fremont	84747
		Fruita	84775
		Grover	84773
		Hanksville	84734
		Loa	84747
		Lyman	84749
		Teasdale	84773
WAYNE	Wayne (49055)	Torrey	84775
WEBER	Weber (49057)	Ben Lomond	84404
		Defense Depot	84407
		Eden	84310
		Farr West	84404
		Gorder	84403
		Harrisville	84404
		Harrisville Heights	84401
		Hermitage	84404
WEBER	Weber (49057)	Hooper	84315
		Hot Springs	84404

County Code	*Description / (FIPS)*	*Cities*	*Zip Code*
		Huntsville	84317
		Kannesville	84315
		Liberty	84310
		Marriott	84404
		North Ogden	84404
		Ogden	84403, 84405, 84414, 84409, 84400, 84401, 84000
		Plain City	84404
		Pleasant View	84404
		Riverdale	84405
		Roy	84067
		Slaterville	84404
		South Ogden	84403
		South Weber	84403
		Taylor	84401
		Uintah	84403
		Warren	84404
		Washington Terrace	84405, 84403
		Weber State College	84408
		West Warren	84404
		West Weber	84401
		Wilson	84401

Other State/County Codes

State Code	***Description / (FIPS)***
AZ	Arizona
CO	Colorado
ID	Idaho
MT	Montana
NM	New Mexico
NV	Nevada
WY	Wyoming
NA	Not Applicable
NOT	Not Recorded/Not Documented
OTHER	County in Another State

Appendix E: Utah to NTDS Data Elements Cross Walk

UTR Section	*UTR Label*	*UTR Name*	*NTDS Label*
Demographic	A.1	Tracking Number	N/A
	A.2	Hospital Number	N/A
	A.3	Date of Birth	D_07
	A.4	Age	D_08
	A.5	Age Unit	D_09
	A.6	Sex	D_12
	A.7	Race	D_10
	A.8	Other Race	N/A
	A.9	Ethnicity	D_11
	A.10	Medical Record Number	N/A
	A.11	Social Security Number	N/A
	A.12	Patient's Home Zip Code	D_01
	A.13	Patient's Home Country	D_02
	A.14	Patient's Home State	D_03
	A.15	Patient's Home County	D_04
	A.16	Patient's Home City	D_05
	A.17	Alternate Home Residence	D_06
Event	B.1	Injury Time	I_02
	B.2	Injury Date	I_01
	B.3	Cause Code	N/A
	B.4	Trauma Type	N/A
	B.5	Work-Related	I_03
	B.6	Patient's Occupational Industry	I_04
	B.7	Patient's Occupation	I_05
	B.8	ICD-9 Primary E-Code	I_06
	B.9	ICD-9 Location E-Code	I_08
	B.10	Protective Devices	I_17
	B.11	Child Specific Restraint	I_18
	B.12	Airbag Deployment	I_19
	B.13	Incident Country	I_13
	B.14	Incident Location Zip Code	I_12
	B.15	Incident State	I_14
	B.16	Incident County	I_15
	B.17	Incident City	I_16
	B.19	Injury Details	N/A
	B.20	ICD-10 Primary E-Code	I_07
	B.21	ICD-10 Location E-Code	I_09
	B.22	ICD-9 Additional E-Code	I_10
	B.23	ICD-10 Additional E-Code	I_11
		Report of Physical Abuse	I_20
		Investigation of Physical Abuse	I_21
		Caregiver at Discharge	I_22
Referring Hospital	C.1	Hospital Transfer	P_17
	C.2	Transport Mode Into Referring Hospital	N/A
Pre-hospital	D.1	Transport Mode Into Hospital	P_07
	D.2	Other Transport Mode	P_08
	D.3	EMS Agency	N/A
	D.4	EMS Origin	N/A
	D.5	EMS Notify Time	P_02
	D.6	EMS Notify Date	P_01
	D.7	EMS Respond Time	N/A
	D.8	EMS Respond Date	N/A

UTR Section	*UTR Label*	*UTR Name*	*NTDS Label*
	D.9	EMS Unit Arrival on Scene Time	P_04
	D.10	EMS Unit Arrival on Scene Date	P_03
	D.11	EMS Unit Scene Departure Time	P_05
	D.12	EMS Unit Scene Departure Date	P_06
	D.13	EMS Destination Arrival Time	N/A
	D.14	EMS Destination Arrival Date	N/A
	D.15	EMS Destination	N/A
	D.16	EMS Trip Form Received	N/A
	D.17	Initial Field Pulse Rate	P_10
	D.18	Initial Field Respiratory Rate	P_11
	D.19	Initial Field Systolic Blood Pressure	P_09
	D.20	Initial Field Oxygen Saturation	P_12
	D.21	Initial Field GCS – Eye	P_13
	D.22	Initial Field GCS – Verbal	P_14
	D.23	Initial Field GCS – Motor	P_15
	D.24	Initial Field GCS – Assessment Qualifiers	N/A
	D.25	Initial Field GCS – Total	P_16
		Trauma Center Criteria	P_18
		Vehicular, Pedestrian, Other Risk Injury	P_19
		Pre-Hospital Cardiac Arrest	P_20
ED/Hospital	E.1	Admit Type	N/A
	E.2	Admit Service	N/A
	E.3	ED/Hospital Arrival Time	ED_02
	E.4	ED/Hospital Arrival Date	ED_01
	E.5	ED Admission Time	N/A
	E.6	ED Admission Date	N/A
	E.7	ED Discharge Time	ED_22
	E.8	ED Discharge Date	ED_21
	E.9	Inpatient Admission Time	N/A
	E.10	Inpatient Admission Date	N/A
	E.11	Hospital Discharge Time	O_04
	E.12	Hospital Discharge Date	O_03
	E.13	ED Discharge Disposition	ED_19
	E.14	ED Transferring EMS Agency	N/A
	E.15	ED Discharge Destination Hospital	N/A
	E.16	Transfer Reason	N/A
	E.17	Hospital Discharge Disposition	O_05
	E.18	Hospital Discharge Destination Hospital	N/A
	E.19	DC Transferring EMS Agency	N/A
	E.20	Outcome	N/A
	E.21	Initial ED/Hospital Pulse Rate	ED_04
	E.22	Initial ED/Hospital Respiratory Rate	ED_06
	E.23	Initial ED/Hospital Respiratory Assistance	ED_07
	E.24	Initial ED/Hospital Systolic Blood Pressure	ED_03
	E.25	Initial ED/Hospital Temperature	ED_05
	E.26	Initial ED/Hospital Oxygen Saturation	ED_08
	E.27	Initial ED/Hospital Supplemental Oxygen	ED_09
	E.28	Initial ED/Hospital GCS – Eye	ED_10
	E.29	Initial ED/Hospital GCS – Verbal	ED_11
	E.30	Initial ED/Hospital GCS – Motor	ED_12
	E.31	Initial ED/Hospital GCS – Assessment Qualifiers	ED_14
	E.32	Initial ED/Hospital GCS – Total	ED_13

UTR Section	*UTR Label*	*UTR Name*	*NTDS Label*
	E.33	Alcohol Use Indicator	ED_17
	E.34	Drug Use Indicator	ED_18
	E.35	Inpatient Length of Stay	N/A
	E.36	Total ICU Length of Stay	O_01
	E.37	Total Ventilator Days	O_02
	E.38	Primary Method of Payment	F_01
	E.39	Hospital Complications	Q_01
	E.40	Initial ED/Hospital Height	ED_15
	E.41	Initial ED/Hospital Weight	ED_16
		Signs of Life	ED_20
Hospital Procedure	F.1	ICD-9 Hospital Procedures	HP_01
		ICD_10 Hospital Procedures	HP_02
	F.2	Hospital Procedure Start Time	HP_04
	F.3	Hospital Procedure Start Date	HP_03
Diagnosis	G.1	Co-Morbid Conditions	DG_01
	G.2	ICD-9-CM Diagnosis Codes	DG_02
		ICD-10-CM Diagnosis Codes	DG_03
Injury		AIS PreDot Code	IS_01
		AIS Severity	IS_02
		ISS Body Region	IS_03
		AIS Version	IS_04
		Locally Calculated ISS	IS_05

Appendix F: Utah State Element List

Appendix F - Utah State Element List

TraumaBase Fields	NTDS Elements	Utah Elements
ABUSE_DC_CAREGIVER	X	
ABUSE_INVESTIGATION	X	
ABUSE_REPORTED	X	
ADM_SVC		X
ADMIT_TYPE		X
AGE_NUMBER	X	
AGE_UNITS	X	
AIRBAG	X	
AIS	X	
AIS_CODE	X	
ARRIVAL_CONDITION	X	
ARRIVAL_DATE	X	
ARRIVAL_TIME	X	
ASSISTING	X	
CAUSE_CODE		X
CAUSE_E_CODES	X	
CAUSE_E_CODES10	X	
CHILD_RESTRAINT	X	
COMP_TYPE	X	
COUNTRY	X	
COUNTY_STATE	X	
DATE_OUT		X
DC_DESTINATION_CODE		X
DC_DISPOSITION_CODE	X	
DC_TRANSFER_MODE		X
DEPARTURE_DATE	X	
DEPARTURE_TIME	X	
DESTINATION_ARRIVAL_DATE	X	X
DESTINATION_ARRIVAL_TIME	X	X
DIAGNOSES		X
DOB	X	
ED_ADM_DATE		X
ED_ADM_TIME		X
ED_DC_DATE	X	
ED_DC_TIME	X	
ED_DESTINATION_CODE		X

ED_DISPOSITION_CODE	X	
ED_TRANSFER_MODE		X
EMS_TRIAGE_TCC	X	
EMS_TRIAGE_VPO	X	
ETHNICITY	X	
EV	X	
EYE_OPENING	X	
FROM_HOSPITAL		X
GLASCOW	X	
HEIGHTS	X	
HEIGHTS_UNITS	X	
HOME	X	
HOSPITAL_ADMISSION_DATE		X
HOSPITAL_ADMISSION_TIME		X
HOSPITAL_ARRIVAL_DATE	X	
HOSPITAL_ARRIVAL_TIME	X	
DISCHARGE_DATE	X	
DISCHARGE_TIME	X	
HOSPITAL_TRANSFER	X	
ICD10	X	
ICD9	X	
INDUST_ACC	X	
INDUSTRY_TYPE	X	
INJURY_COUNTRY	X	
INJURY_DATE	X	
INJURY_DETAILS		X
INJURY_ST	X	
INJURY_TIME	X	
INJURY_ZIP	X	
INSTITUTE_NO	X	
ISS	X	
LOCATION10	X	
LOCATION	X	
LOS		X
MEDICAL_RECORD_NUMBER		X
MOTOR_RESPONSE	X	
NEAREST_TOWN	X	
NOTIFY_DATE	X	
NOTIFY_TIME	X	
OCCUPATION	X	
OUTCOME		X

OXIMETRY	X	
PARALYTICS	X	
PAYMENT_SOURCE	X	
PREHOSPITAL_ARREST	X	
PROCEDURE_CODE		X
PROCEDURE_EPISODE		X
PROCEDURE_ICD10	X	
PROCEDURE_ICD9	X	
PROCEDURE_LOCATION_CODE		X
PROCEDURE_RESULT		X
PROCEDURE_START_DATE	X	
PROCEDURE_START_TIME	X	
PROTECTIVE_DEVICES	X	
PULSE	X	
RACE_OTHER	X	
RACE	X	
REGION	X	
RES_CITY	X	
RES_COUNTY_STATE	X	
RES_STATE	X	
RESP_RATE	X	
RISK_TYPE	X	
SEVERITY_METHOD	X	
SEX	X	
SOCIAL_SECURITY_NUMBER		X
SYS_BP	X	
TEMPS	X	
TIME_OUT	X	
TOTAL_DAYS_ICU	X	
TOX_TEST	X	
TRANS_OTHER	X	
TRANS	X	
TRANSFER_MODE		X
TRANSFER_REASON		X
TRANSPORT_AGENCY_CODE		X
TRANSPORT_DESTINATION		X
TRANSPORT_ORIGIN		X
TRAUMA_NO	X	
TRAUMA_SCORE_LOCATION_CODE		X
TRAUMA_TYPE		X
TRIP_FORM		X

TS_NUMBER		X
VENTDAYS	X	
VERBAL_RESPONSE	X	
VS_O2	X	
WEIGHTS	X	
WEIGHTS_UNITS	X	
ZIP_CODE	X	