

## **Appendix B: Trauma Registry Program Overview**

### **Introduction**

NCTTRAC, in collaboration with the DFWHC Foundation, has sponsored the development of a new regional trauma registry to provide member organizations with the opportunity to access a robust data repository and report generating platform supporting multiple service lines. This new registry will grant access to data and reporting capabilities for regional emergency & acute healthcare system development and performance improvement initiatives. The primary objective of this registry is to enhance patient care, improve outcomes, and inform evidence-based decision-making for trauma system stakeholders.

### **Trauma Committee Data Initiative**

Further information covering committee-specific requirements regarding member active participation in the Trauma Data Initiative can be found in **Section 7** of the [Trauma Committee Standard Operating Procedures \(SOP\)](#).

### **Eligibility**

Facilities must meet the following criteria each fiscal year to enroll and remain in the NCTTRAC Trauma Registry:

- Be a documented representative of a NCTTRAC member in good standing, as defined in the NCTTRAC Membership and Participation SOP, including:
  - Membership application submitted
  - Membership dues paid
  - NCTTRAC Board of Directors approved
- Have the following fully executed NCTTRAC agreements:
  - NCTTRAC Consolidated Regional Programs Participation Agreement (RPPA) and Business Associate Agreement (BAA)
  - OR
  - Standalone NCTTRAC BAA with associated amendments AND standalone NCTTRAC RPPA with associated amendments
- Be a DSHS Trauma Designated facility or “In Active Pursuit” of a trauma designation.
- Have an internal trauma registry capable of exporting XML files compliant with the Texas Department of State Health Services Emergency Medical Services & Trauma Registry (EMSTR)

Access will be terminated for facilities that do not meet these requirements by the end of the first quarter of each fiscal year.

## Accessibility

All reports and visible data available to participating facilities within the Trauma Registry will be de-identified in compliance with the HIPAA Privacy Rules. As approved by the NCTTRAC Trauma Committee Core Group, data elements within the Trauma Registry will include facility name and other agreed upon elements; data elements designated as TQIP Process of Care Measures will be aggregated based on facility designation for reporting, and Hospital Complications are not available for reports. For a detailed list of visible and reportable data elements within the registry please refer to Exhibit A: Regional NCTTRAC Trauma Registry Data Dictionary. Levels of Accessibility are as follows:

- IQSC & Trauma Registry Active Data Participant
- Trauma Registry Active Participant Only
- IQSC Active Data Participant Only

Participant data accessibility is further defined in Exhibit B: DFWHC Foundation & NCTTRAC Data Collaboration Data Access.


Designated NCTTRAC staff will have access to all program data for the purpose of report and dashboard development as requested by NCTTRAC member organizations, committees, subcommittees, workgroups, task forces, etc. Development of reports and dashboards will be completed in compliance with the following:

- Dallas-Fort Worth Hospital Council Education and Research Foundation Information and Quality Services Center: Service Agreement,
- NCTTRAC Business Associate Agreement (BAA), and
- NCTTRAC Regional Programs Participation Agreement (RPPA)

When reports and dashboards using data sourced from the Trauma Registry are shown in NCTTRAC Trauma Committee (and associated subcommittee, Work Group, and Task Force) meetings, the facility names will be unblinded. When these reports and dashboards are posted on NCTTRAC online platforms, access to the reports will be restricted to facilities who are submitting data to the NCTTRAC Trauma Registry and facility names within these dashboards and reports will be unblinded. All requests for use of Trauma Registry data that are not covered above will be subject to review and approval by the Trauma and Executive Committees.

## Registry Enrollment & Access

Eligible facilities will submit a request the NCTTRAC Ticket System by following the steps below:

1. Visit our website at <http://ncttrac.org/>
2. Click on the SUPPORT icon, upper right corner 
3. Click on the TICKETS icon
4. Click on 'Start Ticket'
5. In the DEPARTMENT drop-down box, choose 'Data Initiative Enrollment Request' and 'Continue'
6. Complete the ticket information and click 'Submit Ticket'
7. You will then receive a confirmation email

Once NCTTRAC staff has verified facility eligibility and level of registry access, the requestor will receive the appropriate enrollment packet and account request form link.

Individuals affiliated with eligible facilities may request account access to the following:

- Secure FTP (SFTP) – Platform for file submission
- Data Reservoir – Row level data to be utilized for creating custom reports
- QlikView – Visual reports and dashboards

Requestors must submit a request form for each individual login. Facilities are responsible for maintaining registry accounts and must request account creation and/or inactivation. Once approved, account holders will be sent further information regarding accessing and using the component of the system that they have been given access to.

If at any point registry enrollment is denied, staff will contact the requestor with the disqualifying factors and next steps to become eligible.

## Data Submission Process

Facilities will submit data files, adhering to the 2020 or 2023 NTDB Texas data standards, that have already been validated and submitted to the Texas DSHS EMSTR. It is important to note that submission to the NCTTRAC Trauma Registry will not fulfill the TAC 157.25 requirement and facilities will still be required to submit to the Texas DSHS EMSTR.

A facility's **first submission after enrollment** shall be from **January 1<sup>st</sup>, 2020 – Date of Last Texas DSHS EMSTR submission**. Subsequent submissions will be expected on a quarterly basis at minimum, however it is recommended to submit monthly.

### Regional NCTTRAC Trauma Registry Data Set Overview

To protect patient identities the following rules were used to suppress data elements:

1. The last two digits of the patient's ZIP code are suppressed if there are fewer than thirty patients included in the ZIP code.
2. The ZIP code is changed to '88888' for patients from states other than Texas and the adjacent states.
3. The entire ZIP code and gender code are suppressed if the ICD-10-CM or ICD-10-PCS codes indicates alcohol or drug use or an HIV diagnosis.
4. The entire ZIP code and provider name are suppressed if a hospital has fewer than five discharges of a particular gender, including 'unknown'. The provider ID is changed to '999998'.
5. The entire ZIP code is suppressed if a hospital has fewer than fifty discharges in a quarter and the provider ID is changed to '999999'.
6. The country code is suppressed if the country field has fewer than five discharges for that quarter.
7. The county code is suppressed if a county has fewer than five discharges for that quarter.
8. Age is represented by 22 age group codes for the general patient population and 5 age group codes for the HIV and alcohol and drug use patient populations.
9. Race is changed to 'Other' and ethnicity is suppressed if a hospital has fewer than ten discharges of a race.

**NOTE:** This dataset contains records as entered into the trauma registry without modification or risk adjustments. These records are based on data dictionary definitions across multiple years and are a combination of TQIP and State of Texas reporting standards. When utilizing this dataset for report creation please take the time to become familiar with all relevant dataset definitions and standards.

For more detail on individual elements for current State of Texas standards, please refer to the Texas DSHS EMSTR New Platform Resources that can be found at: <https://www.dshs.texas.gov/injury-prevention/ems-trauma-registries/emstr-platform-resources>.

Field Name	Data Type	Description	Table
ABUSE_INVESTIGATION	varchar	Investigation of Physical Abuse (ITDX2023)	ENCOUNTER
ABUSE_REPORT	varchar	Report of Physical Abuse (ITDX2023)	ENCOUNTER
ADDITIONAL_ECODE	varchar	ICD-9 E-Code from historical records.	ENCOUNTER
ADDITIONAL_ECODE_DESC	varchar	ICD-9 E-Code description from historical records.	ENCOUNTER
ADDITIONAL_ECODE_ICD10	varchar	ICD-10 Additional External Cause Code (ITDX2023)	ADDITIONAL_ECOCODES_ICD10
ADDITIONAL_ECODE_ICD10_DESC	varchar	ICD-10 Additional External Cause Code description (ITDX2023)	ADDITIONAL_ECOCODES_ICD10
AGE	integer	Age (ITDX2023)	ENCOUNTER
AGE_UNITS	varchar	Age Units (ITDX2023)	ENCOUNTER
AIR_BAG_DEPLOYMENT	varchar	Airbag Deployment (ITDX2023)	AIR_BAG_DEPLOYMENTS
AIS_PREDOT	varchar	AIS Predot Code (ITDX2023)	AIS_CODES
AIS_SEVERITY	varchar	AIS Severity (ITDX2023)	AIS_CODES
AIS_VERSION	varchar	AIS Version (ITDX2023)	ENCOUNTER
ALCOHOL_SCREEN	varchar	Alcohol Screen (ITDX2023)	ENCOUNTER
ALCOHOL_SCREEN_RESULT	numeric	Alcohol Screen Result (ITDX2023)	ENCOUNTER
ALCOHOL_USE_INDICATORS	varchar	Retired in 2018. Complements 'Alcohol Screen'	ALCOHOL_USE_INDICATORS
CAREGIVER_AT_DISCHARGE	varchar	Caregiver At Discharge (ITDX2023)	ENCOUNTER
CHILD_SPECIFIC_RESTRAINT	varchar	Child Specific Restraint (ITDX2023)	ENCOUNTER
COMORBID_CONDITION	varchar	Comorbid Conditions (ITDX2023)	COMORBID_CONDITIONS
DAYS_ED_DISCHARGE_TO_HOSPITAL_DISCHARGE	numeric	<pre> SELECT CASE WHEN ENC.ED_DISCHARGE_ORDERS_WRITTEN_DATETIME IS NOT NULL THEN ENC.ED_DISCHARGE_ORDERS_WRITTEN_DATETIME WHEN ENC.ED_DISCHARGE_DATETIME IS NOT NULL THEN ENC.ED_DISCHARGE_DATETIME WHEN ENC.ED_DISCHARGE_PHYSICAL_DATETIME IS NOT NULL THEN ENC.ED_DISCHARGE_PHYSICAL_DATETIME ELSE NULL END AS ED_DISCHARGE_ORDERS_WRITTEN, CASE WHEN ENC.HOSPITAL_DISCHARGE_ORDERS_WRITTEN_DATETIME IS NOT NULL THEN ENC.HOSPITAL_DISCHARGE_ORDERS_WRITTEN_DATETIME WHEN ENC.HOSPITAL_DISCHARGE_DATETIME IS NOT NULL THEN ENC.HOSPITAL_DISCHARGE_DATETIME WHEN ENC.HOSPITAL_PHYSICAL_DISCHARGE_DATETIME IS NOT NULL THEN ENC.HOSPITAL_PHYSICAL_DISCHARGE_DATETIME ELSE NULL END AS HOSPITAL_DISCHARGE_ORDERS_WRITTEN, CASE WHEN ED_DISCHARGE_ORDERS_WRITTEN IS NOT NULL AND HOSPITAL_DISCHARGE_ORDERS_WRITTEN IS NOT NULL AND HOSPITAL_DISCHARGE_ORDERS_WRITTEN &gt;= ED_DISCHARGE_ORDERS_WRITTEN THEN TO_DECIMAL(DATEDIFF(minute, ED_DISCHARGE_ORDERS_WRITTEN, HOSPITAL_DISCHARGE_ORDERS_WRITTEN)/1440,20,2) ELSE NULL END AS DAYS_ED_DISCHARGE_TO_HOSPITAL_DISCHARGE FROM DATA_RESERVOIR.NCTTRAC.SBL_PATIENT_TRAUMA_ENC_ENCOUNTER ENC; </pre>	ENCOUNTER

DAYS_HOSPITAL_ARRIVAL_TO_HOSPITAL_DISCHARGE	numeric	SELECT ENC.HOSPITAL_ARRIVAL_DATETIME, CASE WHEN ENC.HOSPITAL_DISCHARGE_ORDERS_WRITTEN_DATETIME IS NOT NULL THEN ENC.HOSPITAL_DISCHARGE_ORDERS_WRITTEN_DATETIME WHEN ENC.HOSPITAL_DISCHARGE_DATETIME IS NOT NULL THEN ENC.HOSPITAL_DISCHARGE_DATETIME WHEN ENC.HOSPITAL_PHYSICAL_DISCHARGE_DATETIME IS NOT NULL THEN ENC.HOSPITAL_PHYSICAL_DISCHARGE_DATETIME ELSE NULL END AS HOSPITAL_DISCHARGE_ORDERS_WRITTEN, CASE WHEN ENC.HOSPITAL_ARRIVAL_DATETIME IS NOT NULL AND HOSPITAL_DISCHARGE_ORDERS_WRITTEN IS NOT NULL AND HOSPITAL_DISCHARGE_ORDERS_WRITTEN >= ENC.HOSPITAL_ARRIVAL_DATETIME THEN TO_DECIMAL(DATEDIFF(minute, ENC.HOSPITAL_ARRIVAL_DATETIME, HOSPITAL_DISCHARGE_ORDERS_WRITTEN)/1440,20,2) ELSE NULL END AS DAYS_HOSPITAL_ARRIVAL_TO_HOSPITAL_DISCHARGE FROM DATA_RESERVOIR.NCTTRAC.SBL_PATIENT_TRAUMA_ENC_ENCOUNTER ENC;	ENCOUNTER
DBP	integer	Initial ED / Hospital Diastolic Blood Pressure (ITDX2023)	ENCOUNTER
DIAGNOSIS_ICD10	varchar	ICD-10 Injury Diagnoses (ITDX2023)	DIAGNOSES_ICD10
DIAGNOSIS_ICD10_DESC	varchar	ICD-10 Injury Diagnoses description (ITDX2023)	DIAGNOSES_ICD10
DISCHARGE_QUARTER	varchar	Calendar quarter based on following definition:  COALESCE( HOSPITAL_DISCHARGE_ORDERS_WRITTEN_DATE, HOSPITAL_DISCHARGE_DATE, HOSPITAL_PHYSICAL_DISCHARGE_DATE, ED_DISCHARGE_ORDERS_WRITTEN_DATE, ED_DISCHARGE_DATE, ED_DISCHARGE_PHYSICAL_DATE, HOSPITAL_ARRIVAL_DATE ) AS DISCHARGE_DATE	ENCOUNTER
DRUG_SCREEN	varchar	Drug Screen (ITDX2023)	DRUG_SCREEN
DRUG_USE_INDICATOR	varchar	Retired element. Complements 'Drug Screen'	DRUG_USE_INDICATORS
DSS_CREATE_TIME	datetime	Date and time row was created in the warehouse.	ALL TABLES
DSS_UPDATE_TIME	datetime	Date and time row was updated in the warehouse.	ALL TABLES
ED_DISCHARGE_DISPOSITION	varchar	ED Discharge Disposition (ITDX2023)	ENCOUNTER
ED_DISCHARGE_ORDERS_WRITTEN_HOUR	integer	Hour ED Discharge Orders Written Time (ITDX2023)	ENCOUNTER
ED_DISCHARGE_PHYSICAL_HOUR	integer	Hour ED Discharge Physical Time (ITDX2023)	ENCOUNTER
EMS_ARRIVAL_HOUR	integer	Hour EMS Unit Arrival Time at Scene or Transferring Facility (ITDX2023)	ENCOUNTER
EMS_DBP	integer	Initial Field Diastolic Blood Pressure (ITDX2023)	ENCOUNTER
EMS_GCS_40_EYE	integer	Initial Field GCS 40 - Eye (ITDX2023)	ENCOUNTER
EMS_GCS_40_MOTOR	integer	Initial Field GCS 40 - Motor (ITDX2023)	ENCOUNTER
EMS_GCS_40_VERBAL	integer	Initial Field GCS 40 - Verbal (ITDX2023)	ENCOUNTER
EMS_GCS_EYE	integer	Initial Field GCS - Eye (ITDX2023)	ENCOUNTER
EMS_GCS_MOTOR	integer	Initial Field GCS - Motor (ITDX2023)	ENCOUNTER
EMS_GCS_VERBAL	integer	Initial Field GCS - Verbal (ITDX2023)	ENCOUNTER
EMS_LEFT_HOUR	integer	Hour EMS Unit Departure Time from Scene or Transferring Facility (ITDX2023)	ENCOUNTER
EMS_NOTIFY_HOUR	integer	Hour EMS Dispatch Time (ITDX2023)	ENCOUNTER
EMS_PULSE_OXIMETRY	integer	Initial Field Oxygen Saturation (ITDX2023)	ENCOUNTER
EMS_PULSE_RATE	integer	Initial Field Pulse Rate (ITDX2023)	ENCOUNTER
EMS_RESPIRATORY_RATE	integer	Initial Field Respiratory Rate (ITDX2023)	ENCOUNTER
EMS_SBP	integer	Initial Field Systolic Blood Pressure (ITDX2023)	ENCOUNTER
EMS_TOTAL_GCS	integer	Initial Field GCS - Total (ITDX2023)	ENCOUNTER
ENCOUNTER_ID	varchar	PK/FK for encounters	ALL TABLES
ETHNICITY	varchar	Ethnicity (ITDX2023)	ENCOUNTER
FACILITY_ID	varchar	Facility Identifier (ITDX2023)	ENCOUNTER
GCS_40_EYE	integer	Initial ED / Hospital GCS 40 - Eye (ITDX2023)	ENCOUNTER
GCS_40_MOTOR	integer	Initial ED / Hospital GCS 40 - Motor (ITDX2023)	ENCOUNTER
GCS_40_VERBAL	integer	Initial ED / Hospital GCS 40 - Verbal (ITDX2023)	ENCOUNTER
GCS_EYE	integer	Initial ED / Hospital GCS - Eye (ITDX2023)	ENCOUNTER
GCS_MOTOR	integer	Initial ED / Hospital GCS - Motor (ITDX2023)	ENCOUNTER
GCS_QUALIFIER	varchar	GCS Assessment Qualifier Component of Highest GCS Total (ITDX2023)	GCS_QUALIFIERS
GCS_VERBAL	integer	Initial ED / Hospital GCS - Verbal (ITDX2023)	ENCOUNTER
HEIGHT_CM	varchar	Initial ED / Hospital Height (ITDX2023)	ENCOUNTER
HIGHEST_TRAUMA_ACTIVATION	varchar	Highest Activation (ITDX2023)	ENCOUNTER
HOME_CITY	varchar	Patient's Home City (ITDX2023)	ENCOUNTER
HOME_COUNTRY	varchar	Patient's Home Country (ITDX2023)	ENCOUNTER
HOME_COUNTY	varchar	Patient's Home County (ITDX2023)	ENCOUNTER
HOME_RESIDENCE	varchar	Alternate Home Residence (ITDX2023)	HOME_RESIDENCES
HOME_STATE	varchar	Patient's Home State (ITDX2023)	ENCOUNTER
HOME_ZIP	varchar	Patient's Home Zip / Postal Code (ITDX2023)	ENCOUNTER
HOSPITAL_ARRIVAL_DAYNAME	varchar	Hour ED / Hospital Arrival Time (ITDX2023)	ENCOUNTER
HOSPITAL_ARRIVAL_HOUR	integer	Hour ED / Hospital Arrival Time (ITDX2023)	ENCOUNTER
HOSPITAL_DISCHARGE_DISPOSITION	varchar	Hospital Discharge Disposition (ITDX2023)	ENCOUNTER
HOSPITAL_DISCHARGE_ORDERS_WRITTEN_HOUR	integer	Hour Hospital Discharge Orders Written Time (ITDX2023)	ENCOUNTER
HOSPITAL_PHYSICAL_DISCHARGE_HOUR	integer	Hour Hospital Physical Discharge Time (ITDX2023)	ENCOUNTER

HOSPITAL_PROCEDURE	varchar	ICD-9 Hospital Procedures (ITDX)	HOSPITAL_PROCEDURES
HOSPITAL_PROCEDURE_DESC	varchar	ICD-9 Hospital Procedures description (ITDX)	HOSPITAL_PROCEDURES
HOSPITAL_PROCEDURE_ICD10	varchar	ICD-10 Hospital Procedures (ITDX2023)	HOSPITAL_PROCEDURES
HOSPITAL_PROCEDURE_ICD10_DESC	varchar	ICD-10 Hospital Procedures description (ITDX2023)	HOSPITAL_PROCEDURES
HOSPITAL_PROCEDURE_LOCATION	varchar	Hospital Procedure Location (TXCUSTOMHOSP2023)	HOSPITAL_PROCEDURES
HOSPITAL_PROCEDURE_START_HOUR	integer	Hour Hospital Procedure Start Time	HOSPITAL_PROCEDURES
HOURS_HOSPITAL_ARRIVAL_TO_HOSPITAL_ED_DISCHARGE	numeric	<pre>SELECT CASE WHEN ENC.ED_DISCHARGE_ORDERS_WRITTEN_DATETIME IS NOT NULL THEN ENC.ED_DISCHARGE_ORDERS_WRITTEN_DATETIME WHEN ENC.ED_DISCHARGE_DATETIME IS NOT NULL THEN ENC.ED_DISCHARGE_DATETIME WHEN ENC.ED_DISCHARGE_PHYSICAL_DATETIME IS NOT NULL THEN ENC.ED_DISCHARGE_PHYSICAL_DATETIME ELSE NULL END AS ED_DISCHARGE_ORDERS_WRITTEN, CASE WHEN ENC.HOSPITAL_ARRIVAL_DATETIME IS NOT NULL AND ED_DISCHARGE_ORDERS_WRITTEN IS NOT NULL AND ED_DISCHARGE_ORDERS_WRITTEN &gt;= ENC.HOSPITAL_ARRIVAL_DATETIME THEN TO_DECIMAL( DATEDIFF ( minute, ENC.HOSPITAL_ARRIVAL_DATETIME, ED_DISCHARGE_ORDERS_WRITTEN )/ 60, 20, 2 ) ELSE NULL END AS HOURS_HOSPITAL_ARRIVAL_TO_ED_DISCHARGE FROM DATA_RESERVOIR.NCTTRAC.SBL_PATIENT_TRAUMA_ENC_ENCOUNTER ENC</pre>	ENCOUNTER
HOURS_HOSPITAL_ARRIVAL_TO_PROCEDURE_START	numeric	<pre>SELECT CASE WHEN ENC.HOSPITAL_ARRIVAL_DATETIME IS NOT NULL and PROC.HOSPITAL_PROCEDURE_START_DATETIME IS NOT NULL and PROC.HOSPITAL_PROCEDURE_START_DATETIME &gt;= ENC.HOSPITAL_ARRIVAL_DATETIME THEN TO_DECIMAL( DATEDIFF( minute, ENC.HOSPITAL_ARRIVAL_DATETIME, PROC.HOSPITAL_PROCEDURE_START_DATETIME )/ 60, 20, 2 ) ELSE NULL END AS HOURS_ED_ARRIVAL_TO_PROCEDURE_START FROM SBL_PATIENT_TRAUMA_ENC_HOSPITAL_PROCEDURES PROC LEFT JOIN SBL_PATIENT_TRAUMA_ENC_ENCOUNTER ENC on PROC.ENCOUNTER_ID = ENC.ENCOUNTER_ID</pre>	HOSPITAL_PROCEDURES
INCIDENT_CITY	varchar	Incident City (ITDX2023)	ENCOUNTER
INCIDENT_COUNTRY	varchar	Incident Country (ITDX2023)	ENCOUNTER
INCIDENT_COUNTY	varchar	Incident County (ITDX2023)	ENCOUNTER
INCIDENT_HOUR	integer	Hour Injury Incident Time (ITDX2023)	ENCOUNTER
INCIDENT_STATE	varchar	Incident State (ITDX2023)	ENCOUNTER
INJURY_DIAGNOSIS	varchar	ICD-9 Injury Diagnoses (ITDX)	INJURY_DIAGNOSES
INJURY_DIAGNOSIS_DESC	varchar	ICD-9 Injury Diagnoses description (ITDX)	INJURY_DIAGNOSES
INJURY_ZIP	varchar	Incident Location ZIP / Postal Code (ITDX2023)	ENCOUNTER
INTERFACILITY_TRANSFER	varchar	Inter-Facility Transfer (ITDX2023)	ENCOUNTER
ISS_CALCULATED	varchar	Locally Calculated ISS (ITDX2023)	ENCOUNTER
ISS_REGION	varchar	ISS Body Region (ITDX2023)	AIS_CODES
LOCATION_ECODE	varchar	Ecode used to describe the place/site/location of injury event. ICD-9 Version of ICD-10 Place of Occurrence External Cause Code. Retired field from archive.	ENCOUNTER
MINUTES_EMS_ARRIVAL_TO_DEPART	integer	<pre>SELECT CASE WHEN ENC.EMS_ARRIVAL_DATETIME IS NOT NULL and ENC.EMS_LEFT_DATETIME IS NOT NULL and ENC.EMS_LEFT_DATETIME &gt;= ENC.EMS_ARRIVAL_DATETIME THEN TO_DECIMAL(DATEDIFF( minute, ENC.EMS_ARRIVAL_DATETIME, ENC.EMS_LEFT_DATETIME ),20,0) ELSE NULL END AS MINUTES_EMS_ARRIVAL_TO_DEPART FROM DATA_RESERVOIR.NCTTRAC.SBL_PATIENT_TRAUMA_ENC_ENCOUNTER ENC</pre>	ENCOUNTER
MINUTES_EMS_ARRIVAL_TO_HOSP_ARRIVAL	integer	<pre>SELECT CASE WHEN ENC.EMS_ARRIVAL_DATETIME IS NOT NULL AND ENC.HOSPITAL_ARRIVAL_DATETIME IS NOT NULL AND ENC.HOSPITAL_ARRIVAL_DATETIME &gt;= ENC.EMS_ARRIVAL_DATETIME THEN TO_DECIMAL(DATEDIFF( minute, ENC.EMS_ARRIVAL_DATETIME, ENC.HOSPITAL_ARRIVAL_DATETIME ),20,0) ELSE NULL END AS MINUTES_EMS_ARRIVAL_TO_HOSP_ARRIVAL FROM DATA_RESERVOIR.NCTTRAC.SBL_PATIENT_TRAUMA_ENC_ENCOUNTER ENC</pre>	ENCOUNTER
NATIONAL_PROVIDER_IDENTIFIER	varchar	National Provider Identifier (NPI) of Admitting Surgeon (ITDX2023)	ENCOUNTER
OTHER_TRANSPORT_MODE	varchar	Other Transport Mode (ITDX2023)	OTHER_TRANSPORT_MODES
PATIENTS_OCCUPATION	varchar	Patient's Occupation (ITDX2023)	ENCOUNTER
PATIENTS_OCCUPATIONAL_INDUSTRY	varchar	Patient's Occupational Industry (ITDX2023)	ENCOUNTER
PLACE_OF_INJURY_CODE	varchar	ICD-10 Place of Occurrence External Cause Code (ITDX2023)	ENCOUNTER
PLACE_OF_INJURY_DESC	varchar	ICD-10 Place of Occurrence External Cause Code description (ITDX2023)	ENCOUNTER
POSITION	integer	Count of rows related to each ENCOUNTER_ID	ALL CHILD TABLES
PREHOSPITAL_CARDIAC_ARREST	varchar	Pre-hospital Cardiac Arrest (ITDX2023)	ENCOUNTER
PRIMARY_ECODE	varchar	ICD-9 Primary External Cause Code (ITDX)	ENCOUNTER
PRIMARY_ECODE_DESC	varchar	ICD-9 Primary External Cause Code description (ITDX)	ENCOUNTER
PRIMARY_ECODE_ICD10	varchar	ICD-10 Primary External Cause Code (ITDX2023)	ENCOUNTER

## Regional NCTTRAC Trauma Registry Data Dictionary

PRIMARY_CODE_ICD10_DESC	varchar	ICD-10 Primary External Cause Code description (ITDX2023)	ENCOUNTER
PRIMARY_METHOD_PAYMENT	varchar	Primary Method of Payment (KITDX2023)	ENCOUNTER
PRIMARY_TRAUMA_SERVICE_TYPE	varchar	StateTraumaNumber (ITDX2023)	ENCOUNTER
PROTECTIVE_DEVICE	varchar	Protective Devices (ITDX2023)	PROTECTIVE_DEVICES
PULSE_OXIMETRY	integer	Initial ED / Hospital Oxygen Saturation (ITDX2023)	ENCOUNTER
PULSE_RATE	integer	Initial ED / Hospital Pulse Rate (ITDX2023)	ENCOUNTER
RACE	varchar	RACE (ITDC2023)	RACES
RECORD_SOURCE	varchar	Source of records: ASN (NTDS, ITDX) historical records or new registry submissions with Texas DSHS EMSTR data format (CURRENT).	ALL TABLES
RESPIRATORY_ASSISTANCE	varchar	Initial ED / Hospital Respiratory Assistance (ITDX2023)	ENCOUNTER
RESPIRATORY_RATE	integer	Initial ED / Hospital Respiratory Rate (ITDX2023)	ENCOUNTER
SBP	integer	Initial ED / Hospital Systolic Blood Pressure (ITDX2023)	ENCOUNTER
SEX	varchar	Sex (ITDX2023)	ENCOUNTER
SIGNS_OF_LIFE	varchar	Signs of Life (ITDX2023)	ENCOUNTER
SUPPLEMENTAL_OXYGEN	varchar	Initial ED / Hospital Supplemental Oxygen (ITDX2023)	ENCOUNTER
TEMPERATURE_CELSIUS	numeric	Initial ED / Hospital Temperature (ITDX2023)	ENCOUNTER
TOTAL_GCS	integer	Initial ED / Hospital GCS - Total (ITDX2023)	ENCOUNTER
TOTAL_ICU_LOS	integer	Total ICU Length of Stay (ITDX2023)	ENCOUNTER
TOTAL_VENT_DAYS	integer	Total Ventilator Days (ITDX2023)	ENCOUNTER
TRANSPORT_MODE	varchar	Transport Mode (ITDX2023)	ENCOUNTER
TRANSPORTING_EMS_NPI_NUMBER	varchar	Transporting Agency NPI Number (ITDX2023)	ENCOUNTER
TRAUMA_CENTER_CRITERION	varchar	TRAUMA_CENTER_CRITERIA (ITDX2023)	TRAUMA_CENTER_CRITERIA
TRAUMA_SURGEON_HIGHEST_ACTIVATION_ARRIVAL_HOUR	integer	Hour Trauma Surgeon Arrival Timee (ITDX2023)	ENCOUNTER
TRAUMA_TEAM_INVOLVEMENT	varchar	Trauma Team Involvement (ITDX2023)	ENCOUNTER
TRAUMA_TYPE	numeric	Trauma Type (ITDX2023)	ENCOUNTER
TX_DISCHARGE_TO_FACILITY_ID	varchar	Discharged to Facility ID (TXCUSTOMHOSP2023)	EXTENSIONS
TX_DISCHARGE_TO_FACILITY_NAME	varchar	Discharged to Facility Name (TXCUSTOMHOSP2023)	EXTENSIONS
TX_INJURY_MECHANISM	varchar	TX_INJURY_MECHANISM (TXCUSTOMHOSP2023)	EXTENSIONS
TX_INJURY_TYPE	varchar	TX_INJURY_TYPE (TXCUSTOMHOSP2023)	EXTENSIONS
TX_PH_PROVIDER_AGENCY_ID	varchar	Pre-Hospital EMS ID (TXCUSTOMHOSP2023)	EXTENSIONS
TX_PH_PROVIDER_AGENCY_NAME	varchar	Pre-Hospital EMS Name (TXCUSTOMHOSP2023)	EXTENSIONS
TX_RF_FACILITY_ID	varchar	Reference Hospital ID (TXCUSTOMHOSP2023)	EXTENSIONS
TX_RF_FACILITY_NAME	varchar	Reference Hospital Name (TXCUSTOMHOSP2023)	EXTENSIONS
TX_TRANSFER_HOSPITAL_EMS_ID	varchar	Transfer Hospital EMS ID (TXCUSTOMHOSP2023)	EXTENSIONS
TX_TRANSFER_HOSPITAL_EMS_NAME	varchar	Transfer Hospital EMS Name (TXCUSTOMHOSP2023)	EXTENSIONS
VEHICULAR_PEDESTRIAN_OTHER	varchar	Vehicular, Pedestrian, Other Risk Injury (ITDX2023)	VEHICULAR_PEDESTRIAN_OTHERS
WEIGHT_KG	varchar	Initial ED / Hospital Weight (ITDX2023)	ENCOUNTER
WORK_RELATED	varchar	Work-Related (ITDX2023)	ENCOUNTER



## **DFWHC Foundation & NCTTRAC Data Collaboration**

### **Executive Summary**

The DFWHC Foundation (Foundation) brings together 100+ member hospitals, local and national partners, and the community through collaboration, research, and education. The Information and Quality Services Center (IQSC) manages a robust, multi-year longitudinal data repository across North Texas that supports clinical and quality outcomes measurement and health improvement for all the members of the collaborative.

Effective 2023 the NCTTRAC became a member of the North Texas Health Information & Quality Collaborative (NTHIQC). This is a historical event as it is the first time in over twenty years that the hospitals have approved a non-hospital member to participate in their collaborative as we recognize the importance of quality care across provider services.

### **What does this mean for participants?**

All IQSC program data includes, but is not limited to, THCIC summary data, IQSC hospital discharge data warehouse, Regional Enterprise Master Patient Index (REMPI) data, participant's data, and others as available. Members of the NTHIQC participate directly with IQSC programs and the participant's data programs will have access to all data sets de-identified in a Public Use Data File (PUDF) format. If a member of the collaborative does not participate in the IQSC programs, then they will only have access to their data or aggregate data as agreed.

### **How do participants access the data?**

The data will be available via multiple tools. Our primary tool for accessing data is MyIQ Analytics. This currently provides access to all the IQSC PUDF and THCIC PUDF dashboards. In the coming future, there will be new dashboards that include the trauma registry data as approved by the NCTTRAC and NTHIQC.

The second way to access the data is through our Data Reservoir. The Data Reservoir is a set of databases that allow the user to access the data with any tool they wish to use to build their own queries for pulling the data back into their analytical tools. The types of tools they would utilize are applications such as Excel, Tableau, Power BI, R, etc. They make a connection to the data via Open Database Connectivity (ODBC).

The final way of accessing the data would be to submit an ad hoc data request for our team to pull the data for you and put it in a format such as Excel for the user to consume as appropriate. Sometimes the data query needed is more complex than can be completed utilizing the previous tools provided. Through the ad hoc data request, we provide a way for the user to overcome the complexities of the data required.



## **Who gets access?**

### ***NCTTRAC Access Level:***

This access is only given to IQSC and NCTTRAC approved staff. This will allow access to all IQSC case level PUDF, THCIC Summary Level data sets, and all NCTTRAC case level data sets.

### ***IQSC & Trauma Registry Active Data Participant***

Participants of the NTHIQC that are actively submitting data to the IQSC and NCTTRAC Trauma registry will get full access to all case level PUDFs.

### ***Trauma Registry Active Data Participant Only***

There will be limited access for facilities only submitting data to the NCTTRAC Trauma Registry. These facilities will not get access to the IQSC PUDF. These facilities will only have access to all Trauma PUDFs and the THCIC Summary Dashboards.

### ***IQSC Active Data Participant Only***

There will be limited access for facilities only submitting data to the IQSC. These facilities/systems will not have access to the NCTTRAC Trauma Registry PUDF. In the future, there could be access granted to regional aggregated dashboards as approved by the NCTTRAC and NTHIQC. These facilities do have access to the IQSC PUDF and THCIC PUDF.

### ***THCIC Case Level PUDF***

Full access will be provided to the case level THCIC PUDF for all participants that provide proof of purchase of the THCIC data yearly. Participants can only get access to the data they have purchased, for example, if they only purchase inpatient data—we will only provide access to the THCIC inpatient data set.

### ***THCIC Summary Level PUDF***

Summary level access to the THCIC PUDF will be provided to all participants who do not currently purchase the case level PUDF from the state.

## **Conclusion**

Through this unique partnership we believe that we can enhance the regional data in a way that improves patient outcomes and quality of care for hospitals and emergency services.