CIID Data Dictionary   v. 2023.e

Field	Type	Notes	Values	Data Boundaries Low	Data Boundaries High	NTDB Field	NTDB Rule ID
Demographics							
Patient ID	text	Main record identifier that is de-identified locally. Field allows for free entry of text, coded as per the CIID site primary lead. Each unique patient record is also assigned a CIID ID, which may be used in place of the Patient ID. **Do Not Use the Medical Record Number from the Electronic Medical Record.**					
Comment	text	Free text space to allow for abstractor comments/notes.					
Year of birth	year		YYYY	After 1900	Cannot be > year of current date	Date of Birth	06xx
Sex at birth	radio button		"Male", "Female", "Other"	-	-	Sex	11xx
Race	text	Categorical	"White", "Black", "Asian", "Pacific Islander", "Hispanic/Latino", "Native American"	-	-	Race	09xx
Occupation	text	Free text space for patient occupation				Patient's Occupation	16xx
Insurance	text	Categorical	"Commercial", "Government", "Uninsured"	-	-	Primary Method of Payment	80xx
Height	number	Unit: centimeters	centimeters	50	300	Initial ED/Hospital Height	85xx
Weight	number	Unit: kilograms	kilograms	25	300	Initial ED/Hospital Weight	86xx
BMI	number	Calculated - Body mass index, to one decimal		10	100		
Glasgow Coma Score	integer	GCS on hospital admission, within 30 minutes of arrival		3	15	Initial ED/Hospital GCS-Total	57xx
Hypertension	Boolean					Hypertension	178xx
Current tobacco use	Boolean					Current Smoker	172xx
Past tobacco use	Boolean						
Asthma	Boolean	Presence of a restrictive airway disease diagnosis					
Pneumonia	Boolean	Pneumonia present on admission					
COPD	Boolean	Chronic obstructive pulmonary disease				Chronic Obstructive Pulmonary Disease	167xx
Diabetes	Boolean	Pre-existing Diabetes Mellitus on admission				Diabetes Mellitus	175xx
Steroids	Boolean	Pre-hospital steroid use				Steroid Use	183xx
History of cancer	Boolean	History of oncologic diagnosis					
Osteoporosis	Boolean	Pre-existing diagnosis of osteoporosis, including patients being treated for osteoporosis					
Anti-coagulation	Boolean	Prior to admission - Triggers anticoagulation options				Anticoagulant Therapy	163xx
Anti-platelet	Boolean	Prior to admission - Triggers antiplatelet options				Anticoagulant Therapy	163xx
Injuries							
Injury date	date	Date that the injury occurred	MM/DD/YY	After 1/1/2019	Cannot be > current date	Injury Incident Date	12xx
Mechanism of injury	text	Categorical Field	"Motor vehicle crash", "Motorcycle crash", "Fall", "Auto vs. Pedestrian", "Skiing accident", "Biking accident"				
Details for Mechanism of Injury	text	Free text for entry of injury mechanism details					
RibScore	integer	Calculated		0	6		
BPC18	integer	Blunt Pulmonary Contusion 18 score		0	18		
Injury severity score	integer	ISS		0	75		
Intracranial hemorrhage	Boolean						
Face fracture	Boolean						
Clavicle fracture	Boolean						
Scapula fracture	Boolean						
Spine fracture	Boolean						
Spinal cord injury	Boolean						
Pelvis fracture	Boolean						
Long bone fracture	Boolean						
Solid organ injury	Boolean						
Blunt cerebrovascular injury	Boolean						
Hemothorax	Boolean	present on admission					
Pneumothorax	Boolean	present on admission					
Emergent laparotomy	Boolean	Within the first 6 hours of arrival					
Emergent thoracotomy	Boolean	Within the first 6 hours of arrival					
Emergent craniotomy	Boolean	Within the first 6 hours of arrival					
Emergent pelvic stabilization	Boolean	Within the first 6 hours of arrival					
Emergent revascularization	Boolean	Within the first 6 hours of arrival					
Rib fractures							
Patient ID	text						
Rib	integer	Rib number, calculated off of fracture grid					
Side	text		"Left", "Right", "Sternum"				
Location	text	Fracture location as defined by current rib taxonomy	"Anterior", "Antero-lateral", "Lateral", "Posterior-lateral", "Posterior"				
Type	text	Fracture complexity as defined by current rib taxonomy	"Undisplaced", "Offset", "Displaced"				
Hospital admission							
Admit date	date		MM/DD/YY			ED/Hospital Arrival Date	45xx

Field	Type	Notes	Values	Data Boundaries		NTDB Field	NTDB Rule ID
Hospital length of stay	integer	Number of days in hospital during primary admission					
ICU length of stay	integer	Number of days in intensive care unit				Total ICU Length of Stay	75xx
Mortality	Boolean	Did the patient die within 90 days of injury					
Readmission	Boolean	Unplanned return to the hospital after discharge					
Readmission date	date	Date of unplanned return	MM/DD/YY	has to be after date of injury (A31), or after date of last inpatient day			
Readmit diagnosis	text	Diagnosis for the unplanned return to the hospital after discharge					
Readmit length of stay	integer	Number of days in hospital during re-admission		0	100		

Operation

Field	Type	Notes	Values	Data Boundaries		NTDB Field	NTDB Rule ID
Had rib or sternal fixation	Boolean						
Case date	date	Date of rib fracture operation	MM/DD/YY	has to be after date of injury (A31)			
Case start time	time	Reported in 24 hour 00:00	0:00				
Case end time	time	Reported in 24 hour 00:00	0:00				
Bronchoscopy	Boolean						
Chest tube	Boolean						
Evacuation of hemothorax	Boolean						
Subcutaneous drain	Boolean						
Lung isolation	Boolean						
Intra-op thoracoscopy	Boolean						
Intra-op pleural irrigation	Boolean						
Positions	text		"Lateral", "Prone", "Supine"				
Other thoracic repairs	text	List separated by commas, according to "Other Surgeries" list	Other Surgeries list				
Primary surgeon	text						
Locoregional pain control	Boolean						
Pain control options	text	List, separated by commas					

Rib plates

Field	Type	Notes	Values	Data Boundaries		NTDB Field	NTDB Rule ID
Patient ID	text	Automatically pulled					
Rib	integer	Rib number					
Side	text		"Left", "Right", "Sternum"				
Location	text	Fracture location as defined by current rib taxonomy	"Anterior", "Antero-lateral", "Lateral", "Posterior-lateral", "Posterior"				
Type	text	Manufacturer of rib plating hardware used	"Acrylic", "Acute", "Bioabsorbable", "KLS", "Sig Medical", "Straccos", "Stryker", "Synthes MatrixRIB", "Zimmer Biomet RIBFIX Blu", "Other"				

Inpatient days

Field	Type	Notes	Values	Data Boundaries		NTDB Field	NTDB Rule ID
Patient ID	text	Automatically pulled					
Hospital date	date		MM/DD/YY	has to be after date of injury (A31)			
Comment	text	Free text space to allow for abstractor comments/notes.					

Inpatient pain medications

Field	Type	Notes	Values	Data Boundaries		NTDB Field	NTDB Rule ID
Patient ID	text	Automatically pulled					
Daily opiate equivalents	number	Total dose of opiate computed in morphine miligram equivalents in past 24 hours					
Tylenol	Boolean						
NSAIDs	Boolean						
Ketamine	Boolean						
Gabapentin	Boolean						
Lidocaine	Boolean						
Other	text						
Local Pain Control	Boolean						
Pain control options	text	Free Text					

Inpatient opiates

Field	Type	Notes	Values	Data Boundaries		NTDB Field	NTDB Rule ID
Patient ID	text	Automatically pulled					
Hospital date	date	Automatically pulled	MM/DD/YY	has to be after date of injury (A31), or after date of last inpatient day			
Drug	text	Opiate conversion calculator					
Dose	number						
Unit	text	for example "milligrams"					
Route	text	for example "Per Oral", "Intravenous"					
Equivalent dose	number	Calculated equivalent morphine milligram (MME) dose for the given drug, route, and dose in the past 24 hours	MME				

Inpatient daily outcomes

Field	Type	Notes	Values	Data Boundaries		NTDB Field	NTDB Rule ID
Patient ID	text	Automatically pulled					
Hospital date	date	Automatically pulled	MM/DD/YY				

Field	Type	Notes	Values	Data Boundaries		NTDB Field	NTDB Rule ID
Pain	integer	Visual analog pain scale (VAS)		0	10		
Agitation	integer	Richmond Agitation-Sedation Scale (RASS)		-4	4		
Spirometer model	text		"Voldyne 5000", "Vyaire Airlife 2500"				
Spirometry volume	integer	mL of volume able to be inspired on daily incentive spirometer use	Millilitres				
Spirometry %	integer	Percent of expected volume, as calculated off of age and height		>=0 (Cannot be negative)			
Respiratory rate	integer		Breaths per minute	>=0 (Cannot be negative)	120		
Cough	text	Assessment of cough by clinician	"Adequate", "Poor"				
O2 requirement	number	Litres of oxygen being delivered		>=0 (Cannot be negative)			
Chest tube	Boolean	Chest tube is present on hospital date					
Anticoagulation	Boolean						
Coagulation controls	text						
Anti-platelet	Boolean						
Platelet controls	text						

Inpatient additional outcomes

Field	Type	Notes	Values	Data Boundaries		NTDB Field	NTDB Rule ID
Patient ID	text	Automatically pulled					
Hospital date	date	Automatically pulled	MM/DD/YY	has to be after date of injury (A31), or after date of last inpatient day			
Mechanical ventilation	Boolean	the duration of mechanical ventilation is available as a calculation of the total of inpatient days listed on mechanical ventilation. This allows for non-consecutive mechanical ventilation courses to be evaluated as well.					
Tracheostomy	Boolean						
ICU	Boolean	Patient in ICU					
Pneumonia	Boolean						
Death	Boolean						
Other surgeries	text	List separated by commas, according to "Other Surgeries" list tab	Other Surgeries list				
Adverse events	text	List separated by commas, according to "Adverse Events" list tab	Adverse Events list				

Inpatient pulmonary function tests

Field	Type	Notes	Values	Data Boundaries		NTDB Field	NTDB Rule ID
Patient ID	text	Automatically pulled					
PF test date	date	Automatically pulled	MM/DD/YY	has to be after date of injury (A31), or after date of last inpatient day			
FVC	number	Forced Vital Capacity	Litres	>=0 (Cannot be negative)			
FEV1	number	Forced Expiratory Vital Capacity in 1 second	Litres	>=0 (Cannot be negative)			
FEV1/FVC	number		Percent	>=0 (Cannot be negative)			
PEFR	number	Peak Expiratory Flow	Litres / second	>=0 (Cannot be negative)			
PIFR	number	Peak Inspiratory Flow	Litres / second	>=0 (Cannot be negative)			
Other	text						
Comment	text						

Outpatient visits

Field	Type	Notes	Values	Data Boundaries		NTDB Field	NTDB Rule ID
Patient ID	text	Automatically pulled					
Visit date	date	Date of presentation to clinc specifically related to injury follow-up	MM/DD/YY	has to be after date of injury (A31), or after date of last inpatient day			
Comment	text	Free text space to allow for abstractor comments/notes.					

Outpatient vitals

Field	Type	Notes	Values	Data Boundaries		NTDB Field	NTDB Rule ID
Patient ID	text	Automatically pulled					
Visit date	date	Automatically pulled		has to be after date of injury (A31), or after date of last inpatient day			
Heart rate	integer		Beats per minute	>=0 (Cannot be negative)			
Respiratory rate	integer		Breaths per minute	>=0 (Cannot be negative)			
O2 saturation	integer	Percentage		>=0 (Cannot be negative)			
O2 requirements	integer	Litres of air	Litres	>=0 (Cannot be negative)			
Pain	integer	Visual analog pain scale (VAS)		0	10		
Cough	text		"Adequate", "Poor"				
Spirometer model	text						
Spirometry volume	integer	mL of air	Milliliters	>=0 (Cannot be negative)	< 5000		
Spirometry %	integer	Percent of expected volume, calculated		>=0 (Cannot be negative)			
XRay	Boolean	Was an X-ray performed on this date?					

Outpatient pain medications

Field	Type	Notes	Values	Data Boundaries		NTDB Field	NTDB Rule ID
Patient ID	text	Automatically pulled					
Visit date	date	Automatically pulled		has to be after date of injury (A31), or after date of last inpatient day			

Field	Type	Notes	Values	Data Boundaries		NTDB Field	NTDB Rule ID
Daily opiate equivalents	number	Calculated equivalent morphine milligram (MME) dose for the given drug, route, and dose in the past 24 hours	MME				
Tylenol	Boolean						
NSAIDs	Boolean	Non-steroidal anti-inflammatory analgsic medications					
Ketamine	Boolean						
Gabapentin	Boolean						
Lidocaine	Boolean						
Other	text						
Local Pain Control	Boolean						
Pain control options	text						
Outpatient Opiates							
Patient ID	text	Automatically pulled					
Visit date	date	Automatically pulled		has to be after date of injury (A31), or after date of last inpatient day			
Drug	text						
Dose	number						
Unit	text	for example "milligrams"					
Route	text	for example "Per Oral", "Intravenous"					
Equivalent dose	number	Equivalent narcotic dose for the given drug, route, and dose, calculated					
Outpatient pulmonary function tests							
Patient ID	text						
PF test date	date		MM/DD/YY	has to be after date of injury (A31), or after date of last inpatient day			
FVC	number	Forced Vital Capacity	Litres	>=0 (Cannot be negative)			
FEV1	number	Forced Expiratory Vital Capacity in 1 second	Litres	>=0 (Cannot be negative)			
FEV1/FVC	number		Percent	>=0 (Cannot be negative)			
PEFR	number	Peak Expiratory Flow	Litres / second	>=0 (Cannot be negative)			
PIFR	number	Peak Inspiratory Flow	Litres / second	>=0 (Cannot be negative)			
Other	text						
Comment	text						
Outpatient quality of life (See CIID Quality of Life page for full question text)							
Patient ID	text						
Visit date	date			has to be after date of injury (A31), or after date of last inpatient day			
Working before	Boolean						
Working now	Boolean						
Work option	text						
Rib pain	text						
Health before	integer						
Health after	integer						
Chest tight	integer						
Stairs breath	integer						
Mucus	integer						
Cough	integer						
Sleep	integer						
Energy	integer						
Leaving home	integer						
Emotional stop	integer						
Physical stop	integer						