

COST Data Collection Dictionary

Define all terms

Hospital name	Name of hospital at which patient care occurred
Hospital geographic location	Location of the hospital enrolling patients
Hospital trauma yearly volume	Trauma patient visits per year in the enrolling hospital
Hospital urban environment	Urban: $\geq 50,000$ people in city of the enrolling hospital Non-urban: $< 50,000$ people in city of the enrolling hospital
Hospital academic affiliation	Teaching: has residents on the trauma service at the enrolling hospital Non-teaching: does not have residents on the trauma service at the enrolling hospital
Age	Age of patient enrolled
Race	Race of patient enrolled
Gender	Gender of patient enrolled
Mechanism of Injury	Single choice for mechanism of injury of patient enrolled, i.e. – fall, assault, GSW, stab, moped, MVC, MCC, blunt/crush, pedestrian struck, or other
Injury Severity Score	Numerical value for injury severity score (ISS)
AIS Head	Numerical value for abbreviated injury score (AIS) head
AIS Face	Numerical value for abbreviated injury score (AIS) face
AIS Neck	Numerical value for abbreviated injury score (AIS) neck
AIS Spine	Numerical value for abbreviated injury score (AIS) spine
AIS Thorax	Numerical value for abbreviated injury score (AIS) thorax
AIS Abdomen	Numerical value for abbreviated injury score (AIS) abdomen
AIS Lower Extremity	Numerical value for abbreviated injury score (AIS) lower extremity

AIS Upper Extremity	Numerical value for abbreviated injury score (AIS) upper extremity
Liver Injury	Traumatic injury to the liver
AAST Liver Injury Grading System	AAST classification system of liver injuries
Admission Systolic Blood Pressure	Systolic blood pressure on admission in mmHg
Admission Diastolic Blood Pressure	Diastolic blood pressure on admission in mmHg
Admission Heart Rate	Heart rate on admission in beats per minute
Admission Respiratory rate	Respiratory rate on admission in breaths per minute
Admission Oxygen saturation	Oxygen saturation on admission as a percentage
Admission Eye GCS	Numerical eye Glasgow Coma Scale (GCS) score on admission
Admission Voice GCS	Numerical voice GCS score on admission
Admission Motor GCS	Numerical motor GCS score on admission
Admission Hgb	Hemoglobin level on admission in g/dL
Admission WBC	White blood cell count (WBC) level on admission in K/mcl
Admission Lactate	Lactate level on admission in mmol/L
Admission Plt	Platelet level on admission in K/mcL
Admission INR	International normalized ratio (INR) level on admission
Admission Na	Sodium level on admission in mmol/L
Admission Cr	Creatinine level on admission in mg/dL
Admission Tbili	Total bilirubin level on admission in mg/dL
Admission Albumin	Albumin level on admission g/dL
Admission MELD	Calculated MELD score on admission
Admission Child-Pugh	Calculated Child-Pugh score on admission

History of ascites	History of ascites prior to admission
History of encephalopathy	History of encephalopathy prior to admission
History of hepatitis	History of hepatitis prior to admission
Type of hepatitis	Type of cirrhosis, i.e. – hepatitis C or B, NASH, alcoholic hepatitis, autoimmune hepatitis, cryptogenic hepatitis, or other
History of ETOH use	History of alcohol abuse prior to admission
Acute liver failure during admission	Clinical presentation of acute liver failure during admission
Cirrhosis risk factors	Complications of cirrhosis ie. variceal bleeding, portal vein thrombosis, splenomegaly
Coagulopathy, thrombotic events.	Complication of DVT, PE, or both during hospitalization
24 hr Transfusion Requirements for first 72 hrs of admission	Total blood products received during each 24 hr period for first 72 hrs, broken down by component, i.e. - # Whole blood, # PRBC, # FFP, # Plt, or # Cryo
Surgeries during hospitalization	Major surgeries patient underwent during hospitalization
Associated surgical complications	Post operative complications
Mortality during initial hospitalization	Whether patient expired during initial hospitalization
30-day mortality	Whether patient expired 30-days after trauma
60-day mortality	Whether patient expired 60-days after trauma
90-day mortality	Whether patient expired 90-days after trauma
1 year mortality	Whether patient expired 1-year after trauma
Cause of mortality	Stated cause of the patient’s death
Complication of ARDS	Clinical course complicated by ARDS
Complication of pneumonia	Clinical course complicated by pneumonia
Complication of renal failure	Clinical course complicated by renal failure

Complication of DIC	Clinical course complicated by DIC
Comorbidities	Patient's comorbidities prior to admission
Hospital length of stay	Length of hospital stay from admission to discharge in days
ICU length of stay	Length of ICU stay from admission to ICU to transfer to floor or discharge in days
Discharge disposition	Location of discharge, i.e. – home, SNF, rehab, morgue, or hospice