

SUPPLEMENTAL INFORMATION

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SUPPLEMENTAL TABLE 4 PSSC Data Dictionary

Variable	Definition
Mandatory variables	
PriorVisit24Hours	Was there an ED visit at the same institution within the previous 24 h? Yes or no.
DateOfBirth	Date of birth
EnrollmentDate	Date stamp of index ED visit.
Dispo	Where was the patient dispositioned after the ED visit? General floor, bone marrow transplant floor, step down-transitional or intermediate care unit, ICU, home, operating room, or morgue.
AdmitDischargeTime	Timestamp when the patient physically left the ED.
Deceased	Did the patient die? (Yes if within the same hospital admission and within 30 d.)
DateOfDeath	Date and timestamp of death.
RapidTransferICU	Was the patient transferred from a general floor to the ICU within 12 h of leaving the ED? Yes or no.
RapidTransferICUTime	Timestamp of transfer to ICU.
FinalDischargeDate	Timestamp of hospital discharge (or ED discharge if patient is not admitted).
Bolus1Given	Was a first bolus given in the ED? Yes or no.
Bolus1Time	Timestamp of first bolus initiation.
Bolus3Given	Was a third bolus given in the ED? Yes or no.
Bolus3Time	Timestamp of third bolus initiation.
AntibioticGiven	Were antibiotics given in the ED? Yes or no.
FirstAntibioticTime	Timestamp of first antibiotic initiation.
TriageAcuity	Use local numeric triage scale.
Wt	Weight in kilograms.
ArrivalTime	Timestamp of ED arrival.
TriageTime	Timestamp of triage initiation.
TriageHeartRateTime	Timestamp of first documented heart rate.
TimeTargetVitalsDocumented	Timestamp when all initial vital signs (temperature, heart rate, respiratory rate, blood pressure, pulse oximeter) were documented. Use timestamp of the latest completed initial vital sign. "Never completely documented" option available.
Optional variables	
Source	Data source from which patient was identified (eg, by laboratory criteria, screening, etc [may be multiple]).
LastName	Last name
FirstName	First name
PaySource	Payer: Public, private, or other.
Sex	Male or female.
ChiefComplaint	Free text (first chief complaint listed in chart).
PatientReferred	Was patient referred from either an outside facility or physician office? Yes or no.
PatientReferredIfYes	If the patient was referred, were they from an outside facility or referred by a physician?
Location	Location of death if during hospitalization: ED, ICU, or floor.
HoursBetweenFloorAndICU	Autocalculated (hours on the floor before transfer to ICU [for rapid transfers only]).
EDDiagnoses	ICD diagnosis at time of ED disposition if available; if all admitting diagnoses grouped together, use physician assigned diagnosis, clinical impression or whatever is most representative of the ED working diagnoses per institutional practice. May be multiple
FinalDiagnoses	ICD diagnosis at the end of hospitalization; if all admitting diagnoses grouped together, use whatever is most representative of final diagnosis institutional practice. May be multiple.
PRISMDone	Was a Pediatric Risk of Mortality score calculated? Yes or no.
PRISMScore	12 h Pediatric Risk of Mortality 3 score.
PIMDone	Was a Pediatric Index of Mortality score calculated? Yes or no.
PIMScore	Numeric Pediatric Index of Mortality 2 or 3 score.
AlertTriggered	Was a sepsis alert triggered (per institutional definition)? Yes or no.
AntibioticsGiven	Were antibiotics given in the ED? Yes or no.
FourtyFluidGiven	Did the patient receive at least 40 mL/kg fluid in the ED? Yes or no.
BloodCultureSent	Did the patient have a blood culture in the ED? Yes or no.
VasoactiveAgentStarted	Did the patient receive vasoactive agents in the ED? Yes or no.
FinalDischargeDate	Timestamp of hospital discharge (or ED discharge if patient not admitted).
HospLOS	LOS from ED arrival to hospital discharge.
PICULOS	Length of ICU stay from ED arrival to transfer out of the ICU
VentHours	Include noninvasive ventilation, new intubations and increases in chronic ventilation settings within 24 h of admission. Counted from time of intubation and increase until extubation or until return to baseline.
PressorHours	Included continuous intravenous medications intended to support blood pressure or perfusion (eg, dopamine, epinephrine, norepinephrine, dobutamine, milrinone, and vasopressin) initiated within 24 h of admission.

SUPPLEMENTAL TABLE 4 Continued

Variable	Definition
WBC	First white blood cell count value measured in the ED.
Hgb	First hemoglobin value measured in the ED.
Pit	First platelet value measured in the ED.
ANC	First absolute neutrophil count value measured in the ED.
FirstBUN	First blood urea nitrogen value measured in the ED.
FirstCr	First creatinine value measured in the ED.
DDimer	First D-dimer value measured in the ED.
CRP	First c-reactive protein value measured in the ED.
VBGpH	First venous blood gas pH value measured in the ED.
LacticAcid	First value measured in the ED.
HCO3	First bicarbonate value measured in the ED.
K	First potassium value measured in the ED.
Glucose	First value measured in the ED.
Na	First sodium value measured in the ED.
LactateDateTime	Timestamp of lactate measurement in the ED.
BloodCultureCollected	Was a blood culture collected before or after antibiotics? Before or after.
BloodCulture1	Was a blood culture collected? Yes or no.
BloodCultureResult1	What was the first blood culture result? Positive or negative.
BloodCultureSource1	What was the source of the blood culture? Central or peripheral.
BloodCulture2	Was a second blood culture collected?
BloodCultureResult2	What was the second blood culture result? Positive or negative.
BloodCultureSource2	What was the source of the second blood culture? Central or peripheral.
BloodCulture3	Was a third blood culture collected? Yes or no.
BloodCultureResult3	What was the third blood culture result? Positive or negative.
BloodCultureSource3	What was the source of the third blood culture? Central or peripheral.
BloodPositiveOrganism	Free text (organism on blood culture, including species and colony-forming units).
UrineCulture	Was a urine culture collected? Yes or no.
UrineCultureResult	What was the urine culture result? Positive or negative.
UrinePositiveOrganism	Free text (organism on urine culture, including species and colony-forming units).
ViralCulture	Was a viral culture collected? Yes or no.
ViralTestingTechnique	What viral testing technique was used? Rapid, polymerase chain reaction, culture, or other.
ViralTestingTechniqueOther	Free text (if viral testing technique is "other," what technique?)
ViralCultureResult	What was the viral culture result? Positive or negative.
ViralPositiveOrganism	Free text (organism on blood culture, including species and colony-forming units).
TrachealAspirate	Was a tracheal aspirate collected? Yes or no.
TrachealAspirateResult	What was the tracheal aspirate result? Positive or negative.
TrachealAspiratePositiveOrganism	Free text (organism on tracheal aspirate, including species and colony-forming units).
CerebrospinalFluidCulture	Was a cerebrospinal fluid culture collected? Yes or no.
CerebrospinalFluidCultureResult	What was the cerebrospinal fluid culture result? Positive or negative.
CSFPositiveOrganism	Free text (organism on cerebrospinal fluid culture, including species and colony-forming units).
WoundCulture	Was a wound culture collected? Yes or no.
WoundCultureResult	What was the wound culture result? Positive or negative.
WoundPositiveOrganism	Free text - organism on wound culture, including species and colony-forming units.
CXR	Was a chest radiograph done? Yes or no.
CXRFinding	What was the radiograph result? "Normal" or "viral-reactive airways" or "atelectasis" or "favor atelectasis" or "pneumonia" or "favor pneumonia" or other.
OtherCulture	Was any other culture collected? Yes or no.
OtherCultureResult	What was the other culture result? Positive or negative.
SpecifyOtherCulture	Free text (specify other culture type).
OtherPositiveOrganism	Free text (organism on other culture, including species and colony-forming units).
CVLOnCXR	Was a central line seen on radiograph? Yes or no.
RapidRSV	Was a rapid respiratory syncytial virus test completed? Yes or no.
RapidRSVResult	What was the rapid respiratory syncytial virus result? Yes or no.
Attending	Free text (attending physician).
Fellow	Free text (fellow physician).
TriageNurse	Free text (triage nurse).
Bolus1Volume	What was the volume (in mL) of the first bolus?
Bolus2Given	Was a second bolus given in the ED? Yes or no.
Bolus2Volume	What was the volume (in mL) of the second bolus?
Bolus2Time	Timestamp of second bolus initiation.

SUPPLEMENTAL TABLE 4 Continued

Variable	Definition
Bolus3Volume	What was the volume (in mL) of the third bolus?
Bolus4Given	Was a fourth bolus given in the ED? Yes or no.
Bolus4Volume	What was the volume (in mL) of the fourth bolus?
Bolus4Time	Timestamp of fourth bolus initiation.
Bolus5Given	Was a fifth bolus given in the ED? Yes or no.
Bolus5Volume	What was the volume (in mL) of the fifth bolus?
Bolus5Time	Timestamp of fifth bolus initiation.
FirstAntibiotic	Name of first antibiotic given in the ED (ceftriaxone, cefotaxime, ampicillin, gentamicin, vancomycin, piperacillin-tazobactam, ceftazidime, meropenem, clindamycin, or other).
SecondAntibiotic	Name of second antibiotic given in the ED (if given) (ceftriaxone, cefotaxime, ampicillin, gentamicin, vancomycin, piperacillin-tazobactam, ceftazidime, meropenem, clindamycin, or other).
SecondAntibioticTime	Timestamp of second antibiotic initiation
ThirdAntibiotic	Name of third antibiotic given in the ED (if given) ceftriaxone/cefotaxime/ampicillin/gentamicin/vancomycin/piperacillin-tazobactam/Ceftazafidime/Meropenem/Clindamycin/Other
ThirdAntibioticTime	Timestamp of third antibiotic initiation
PressorsGiven	Were vasoactive agents initiated in the ED? Yes or no
Dopamine	Was dopamine initiated in the ED? Yes or no
DopamineTime	Timestamp of dopamine initiation
DopamineMaxDose	What was the maximum dose of dopamine?
Dobutamine	Was dobutamine initiated in the ED? Yes or no
DobutamineTime	Timestamp of dobutamine initiation
DobutamineMaxDose	What was the maximum dose of dobutamine?
Epinephrine	Was epinephrine initiated in the ED? Yes or no
EpinephrineTime	Timestamp of epinephrine initiation
EpinephrineMaxDose	What was the maximum dose of epinephrine?
Norepi	Was norepinephrine initiated in the ED? Yes or no.
NorepiTime	Timestamp of norepinephrine initiation.
NorepiMaxDose	What was the maximum dose of norepinephrine?
Milirone	Was milrinone initiated in the ED? Yes or no.
MilironeTime	Timestamp of milrinone initiation.
MilironeMaxDose	What was the maximum dose of milrinone?
FirstPressorStartTime	Timestamp of earliest initiated vasoactive agent in the ED.
SteroidsGiven	Were steroids given in the ED? Yes, no, or indeterminate.
Intubated	Was the patient intubated in the ED? Yes or no.
BiPAPorCPAPUtilized	Was BiPAP or CPAP used in the ED? Yes or no.
IntubationDrug	What intubation drug was used? Ketamine, etomidate, fentanyl, versed, propofol, other, or none.
PathwayInitiation	If a sepsis pathway was initiated (based on local definition), when? Triage, ED, course, other, or blank for none).
TriageTemp	First temperature measurement.
PatientRoom	Where was the patient initially cared for? Resuscitation room or other.
TriageHeartRate	First heart rate measurement.
TriageRespiratoryRate	First respiratory rate measurement.
TriageSystolicBP	First systolic blood pressure measurement.
TriageDiastolicBP	First diastolic blood pressure measurement.
TriageMentalStatus	Initial documented mental status. Normal or abnormal.
TriagePulses	Initial documented pulse quality. Normal, bounding, weak-thready peripherally but normal centrally, weak-thready centrally, or absent.
TriageCapillaryRefill	Initial documented capillary refill measurement. ≤ 2 s, 3–5 s, or ≥ 6 s.
TriageSkinChanges	Initial documented skin assessment measurement. Cool or pale, gray-ashen-dusky, clammy-diaphoretic, flushed-ruddy-erythroderma, petechiae-purpura, or mottled.
PulseOx	Initial pulse oximeter measurement.
OnOxygen	Was the patient receiving supplemental oxygen during the pulse oximeter measurement? Yes or no.
MinutesCriteriaComplete	Minutes between ED arrival and completion of all 5 vital signs.
PatientNotPlaced	Was the patient on a sepsis pathway (local definition)? Yes or no.
RNBPAAccept	Did the nurse accept a sepsis Best Practice Alert? Yes, no, or indeterminate.
MDBPAAccept	Did the physician accept a sepsis Best Practice Alert? Yes, no, or indeterminate.
OrderSetUsed	Was a sepsis-specific order used? Yes or no.
OrderSetUtilizationTime	Timestamp of sepsis-specific order set initiation.
PatientEscalateAfterTriage	Did the first signs of sepsis develop later than triage? Yes or no.
PatientEscalateTime	Timestamp of first signs of sepsis (if after triage)

SUPPLEMENTAL TABLE 4 Continued

Variable	Definition
HowPatientEscalatedIdentified	How were the first signs of sepsis recognized if the patient developed them later than triage? Order set, heart rate, later trigger, hypotension, or other
PresentedAbdominalPain	Did the patient present with abdominal pain? Yes or no.
CVL	Did the patient have a central venous catheter? Yes or no.
ChronicIllness	Did the patient have a chronic illness? Yes or no.
MedicalConditionType	What type of chronic condition did the patient have? (systems-based list and free text accepted).

BiPAP, bilevel positive airway pressure; CPAP, continuous positive airway pressure.