

Sepsis Case Definition Public Use Dataset (PUD) Documentation

The Sepsis Case Definition PUD contains EMS activation records for sepsis incidents.

Sepsis case definitions and explanations are found here:

https://nemsis.org/media/nemsis_v3/master/CaseDefinitions/Sepsis.pdf

Twelve data sets are included in the Sepsis Case Definition PUD:

1. SepsisPUD[year]_1to1 is a dataset of EMS activation records that met the definition of **at least one** of the Sepsis case definitions.
 - a. Data set structure: One row per EMS activation record
 - i. All data elements have a 1:1 relationship with the activation records
 - b. Data elements copied from research dataset, including computed elements. (See the User Manual for more information: https://nemsis.org/wp-content/uploads/2021/05/2020-NEMESIS-RDS-340-User-Manual_v3-FINAL.pdf or <https://nemsis.org/wp-content/uploads/2025/09/2024-NEMESIS-RDS-350-User-Manual-v3.pdf>)
 - i. pcrKey – EMS activation ID
 - ii. eDispatch_01 – Dispatch Reason
 - iii. eDisposition_12 – Incident/Patient Disposition (2023)
 - iv. eDisposition_19 – Final Patient Acuity
 - v. eDisposition_21 – Type of Destination
 - vi. eDisposition_23 – Hospital Capability
 - vii. eDisposition_27 – Unit Disposition (2024 and after)
 - viii. eDisposition_28 – Patient Evaluation/Care (2024 and after)
 - ix. eDisposition_29 – Crew Disposition (2024 and after)
 - x. eDisposition_30 – Transport Disposition (2024 and after)
 - xi. ePatient_15 – Age
 - xii. ePatient_16 – Age Units
 - xiii. eResponse_07 – Unit Transport and Equipment Capability
 - xiv. eScene_01 – First EMS Unit on Scene
 - xv. eScene_09 – Incident Location Type
 - xvi. eSituation_02 – Possible Injury
 - xvii. eSituation_13 – Initial Patient Acuity
 - xviii. eSituation_09 – Primary Symptom
 - xix. eSituation_11 – Provider's Primary Impression
2. The remaining datasets are supplemental datasets with additional information about EMS activation records identified by sepsis case definitions. These datasets contain variables with 1-to-many relationships and are named for the data element(s) they contain
 - a. Data set structure: One row per data element value per data element per activation record
 - i. All data elements have a 1:many relationship with the activation records.

- b. Datasets and their data elements
 - i. SepsisPUD[year]_eDisposition20
 - 1. pcrKey – EMS activation ID
 - 2. eDisposition_20 – Reason for Choosing Destination
 - ii. SepsisPUD[year]_eDisposition24
 - 1. pcrKey – EMS activation ID
 - 2. eDisposition_24 – Destination Team Pre-Arrival Alert or Activation
 - iii. SepsisPUD[year]_eHistory01
 - 1. pcrKey – EMS activation ID
 - 2. eHistory_01 – Barriers to Patient Care
 - iv. SepsisPUD[year]_eMedications
 - 1. pcrKey – EMS activation ID
 - 2. eMedications_03 – Medication Administered
 - 3. eMedications_07 – Response to Medication
 - 4. eMedications_08 – Medication Complication
 - v. SepsisPUD[year]_eProcedures
 - 1. pcrKey – EMS activation ID
 - 2. eProcedures_03 – Procedure
 - 3. eProcedures_06 – Procedure Successful
 - 4. eProcedures_07 – Procedure Complication
 - 5. eProcedures_08 – Response to Procedure
 - vi. SepsisPUD[year]_eProtocols01
 - 1. pcrKey – EMS activation ID
 - 2. eProtocols_01 – Protocols Used
 - vii. SepsisPUD[year]_eResponse08
 - 1. pcrKey – EMS activation ID
 - 2. eResponse_08 – Type of Dispatch Delay
 - viii. SepsisPUD[year]_eResponse09
 - 1. pcrKey – EMS activation ID
 - 2. eResponse_09 – Type of Response Delay
 - ix. SepsisPUD[year]_eResponse10
 - 1. pcrKey – EMS activation ID
 - 2. eResponse_08 – Type of Scene Delay
 - x. SepsisPUD[year]_eResponse11
 - 1. pcrKey – EMS activation ID
 - 2. eResponse_11 – Type of Transport Delay
 - xi. SepsisPUD[year]_eSituation10
 - 1. pcrKey – EMS activation ID
 - 2. eSituation_10 – Other Associated Symptoms
 - xii. SepsisPUD[year]_eSituation12
 - 1. pcrKey – EMS activation ID

2. eSituation_12 – Provider’s Secondary Impressions
- xiii. SepsisPUD[year]_eVitals
 1. pcrKey – EMS activation ID
 2. eVitals_06 – SBP (Systolic Blood Pressure)
 3. eVitals_10 – Heart Rate
 4. eVitals_12 – Pulse Oximetry
 5. eVitals_14 – Respiratory Rate
 6. eVitals_16 – End Tidal Carbon Dioxide (ETCO2)
 7. eVitals_18 – Blood Glucose Level
 8. eVitals_26 – Level of Responsiveness (AVPU)

Details about each data element included in the NEMESIS EMS data standard are found here:

https://nemsis.org/media/nemsis_v3/release-3.4.0/DataDictionary/PDFHTML/DEMEMS/NEMESISDataDictionary.pdf