



IDAHO BUREAU of EMERGENCY MEDICAL SERVICES & PREPAREDNESS

**EMS Data Collection Standards Manual
2017-1**

Authority:

Idaho Code §56-1011 to §56-1023

Rules Governing Emergency Medical Services: IDAPA 16.01.06 “EMS – Data Collection and Submission Requirements

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Table of Contents

I. Definitions	
II. Data Standard (Defined)	3
III. NEMESIS Defined Elements to be Collected And Reported	4
IV. Data Reporting	11

Effective July 1, 2017

I. Definitions

Element Name

The name of the data element

Idaho PERCS

Idaho Prehospital Electronic Record Collection System (PERCS)

NEMSIS

National EMS Information System (NEMSIS) is the national repository used to store national EMS data. NEMSIS sets the uniform data conventions and structure for the Data Dictionary. NEMSIS collects and provides aggregate data available for analysis and research through its technical assistance center accessed at <http://www.nemsis.org>.

Schematron

Schematron is a rule-based [validation](#) language for making assertions about the presence or absence of patterns in [XML](#) trees. It is used as a validation tool for NEMSIS 3.x XML data that is reported to Idaho PERCS and NEMSIS.

II. EMS Data Standard

The Bureau of EMS and Preparedness began the process of transitioning to the NEMSIS v3 Data Standard in 2011 as soon as it was published and engaged pertinent stakeholders in the development of the Idaho specific data elements for submission. The groups involved included:

- EMS Advisory Committee, Data Subcommittee
- EMS Physician Commission
- Time Sensitive Emergencies Council
- Community Health EMS work group, and
- Idaho licensed EMS agencies during town hall meetings

Because of the maturation, evolution, and recognition of data needs and their structures the Bureau of EMS and Preparedness is adopting the NEMSIS v 3.4.0 data standard for use in Idaho until such time that NEMSIS updates or otherwise modifies their data standard.

Each agency shall submit data electronically to the Idaho Bureau of EMS and Preparedness using a NEMSIS compliant vendor and software package for “Collection” for NEMSIS version 3.4.0 as listed at the NEMSIS website (<http://www.nemsis.org/v3/compliantSoftware.html>) . The information submitted shall conform to this data standard and the enumerated list in Section III.

The Bureau of EMS and Preparedness will make available to the NEMSIS Technical Assistance Center a copy of the schematron validation file for the Technical Assistance Center to make available to software vendors and their client agencies. The schematron file gives the vendor and client agency the opportunity to fully test their data export prior to beginning the actual validation process with the Bureau. The Bureau shall use a duplicate of the provided schematron file available from the NEMSIS Technical Assistance Center for validation testing as agencies either seeking initial validation and approval to export data to the Idaho PERCS or as a part of their own transition from NEMSIS 2.2.1 to NEMSIS v 3.4.0

III. Data Elements Collected and Reported

Element Name	Always Reported	Situational Reporting
EMS Agency Unique State ID	X	
EMS Agency Number	X	
EMS Agency State	X	
Indications for Invasive Airway		X
Date/Time Airway Device Placement Confirmation		X
Airway Device Being Confirmed		X
Airway Device Placement Confirmed Method		X
Airway Complications Encountered		X
Suspected Reasons for Failed Airway Procedure		X
Cardiac Arrest		X
Cardiac Arrest Etiology		X
Resuscitation Attempted By EMS		X
Arrest Witnessed By		X
CPR Care Provided Prior to EMS Arrival		X
Who Provided CPR Prior to EMS Arrival		X
AED Use Prior to EMS Arrival		X
Who Used AED Prior to EMS Arrival		X
Type of CPR Provided		X
Therapeutic Hypothermia Initiated		X
First Monitored Arrest Rhythm of the Patient		X
Any Return of Spontaneous Circulation		X
Date/Time of Cardiac Arrest		X
Date/Time Resuscitation Discontinued		X
Reason CPR/Resuscitation Discontinued		X

Cardiac Rhythm on Arrival at Destination		X
End of EMS Cardiac Arrest Event		X
Date/Time of Initial CPR		X
Crew Member Level		X
Crew Member Response Role		X
Complaint Reported by Dispatch	X	
EMD Performed	X	
Destination/Transferred To, Name		X
Destination/Transferred To, Code		X
Destination Street Address		X
Destination City		X
Destination State		X
Destination County		X
Destination ZIP Code		X
Incident/Patient Disposition	X	
EMS Transport Method		X
Transport Mode from Scene		X
Additional Transport Mode Descriptors		X
Condition of Patient at Destination		X
Reason for Choosing Destination		X
Type of Destination		X
Hospital In-Patient Destination		X
Hospital Designation		X
Destination Team Pre-Arrival Activation		X
Date/Time of Destination Pre-arrival Activation		X
Barriers to Patient Care		X
Advance Directives		X
Medication Allergies		X
Alcohol/Drug Use Indicators		X
Cause of Injury		X

Mechanism of Injury		X
Trauma Center Criteria		X
Vehicular, Pedestrian, or Other Injury Risk Factor		X
Main Area of the Vehicle Impacted by the Collision		X
Location of Patient in Vehicle		X
Use of Occupant Safety Equipment		X
Airbag Deployment		X
Height of Fall (feet)		X
Date/Time Medication Administered		X
Medication Administered Prior to this Unit's EMS Care		X
Medication Given		X
Medication Dosage		X
Medication Dosage Units		X
Response to Medication		X
Medication Complication		X
Role/Type of Person Administering Medication		X
Patient Care Report Narrative	X	
Potential System of Care/Specialty/Registry Patient		X
Suspected EMS Work Related Exposure, Injury, or Death		X
Emergency Department Disposition		X
Hospital Disposition		X
EMS Patient ID		X
Patient Last Name		X
Patient First Name		X
Patient's Home Address		X
Patient's Home City		X
Patient's Home County		X
Patient's Home State		X

Patient's Home ZIP Code		X
Gender		X
Race		X
Age		X
Age Units		X
Date of Birth		X
Primary Method of Payment		X
Date/Time Procedure Performed		X
Procedure Performed Prior to this Units EMS Care'		X
Procedure		X
Number of Procedure Attempts		X
Procedure Successful		X
Procedure Complication		X
Response to Procedure		X
Procedure Crew Members ID		X
Role/Type of Person Performing the Procedure		X
Vascular Access Location		X
Protocols Used		X
Protocol Age Category		X
Patient Care Report Number	X	
Software Creator	X	
Software Name	X	
Software Version	X	
EMS Agency Number	X	
EMS Agency Name	X	
Incident Number	X	
EMS Response Number	X	
Type of Service Requested	X	
Primary Role of the Unit	X	

Type of Dispatch Delay	X	
Type of Response Delay	X	
Type of Scene Delay		X
Type of Transport Delay		X
Type of Turn-Around Delay		X
EMS Vehicle (Unit) Number	X	
EMS Unit Call Sign	X	
Level of Care of This Unit	X	
Response Mode to Scene	X	
Additional Response Mode Descriptors	X	
First EMS Unit on Scene	X	
Number of Patients at Scene	X	
Mass Casualty Incident	X	
Triage Classification for MCI Patient		X
Incident Location Type	X	
Incident Street Address	X	
Incident City	X	
Incident State	X	
Incident ZIP Code	X	
Incident County	X	
Date/Time of Symptom Onset/Last Normal		X
Possible Injury		X
Complaint Type		X
Complaint		X
Duration of Complaint		X
Time Units of Duration of Complaint		X

Chief Complaint Anatomic Location		X
Chief Complaint Organ System		X
Primary Symptom	X	
Other Associated Symptoms		X
Provider's Primary Impression	X	
Provider's Secondary Impressions		X
Initial Patient Acuity		X
Work-Related Illness/Injury		X
Patient Activity		X
Date/Time Last Known Well		X
PSAP Call Date/Time	X	
Unit Notified by Dispatch Date/Time	X	
Unit En Route Date/Time		X
Unit Arrived on Scene Date/Time		X
Arrived at Patient Date/Time		X
Transfer of EMS Patient Care Date/Time		X
Unit Left Scene Date/Time		X
Patient Arrived at Destination Date/Time		X
Destination Patient Transfer of Care Date/Time		X
Unit Back in Service Date/Time	X	
EMS Call Completed Date/Time		X
Date/Time Vital Signs Taken		X
Obtained Prior to this Unit's EMS Care		X
Cardiac Rhythm / Electrocardiography (ECG)		X
ECG Type		X
Method of ECG Interpretation		X
SBP (Systolic Blood Pressure)		X
Method of Blood Pressure Measurement		X
Heart Rate		X

Pulse Oximetry		X
Respiratory Rate		X
Carbon Dioxide (CO ₂)		X
Blood Glucose Level		X
Glasgow Coma Score-Eye		X
Glasgow Coma Score-Verbal		X
Glasgow Coma Score-Motor		X
Glasgow Coma Score-Qualifier		X
Total Glasgow Coma Score		X
Level of Responsiveness (AVPU)		X
Pain Score		X
Stroke Scale Score		X
Stroke Scale Type		X
Reperfusion Checklist		X

Effective July 1, 2017

III. Data Reporting

- Data reported to Idaho PERCS shall comply with the validation language and rules of the current schematron on file with NEMESIS for the State of Idaho.
- Data reported to Idaho PERCS shall be submitted by the 15th of each month for the previous calendar month.
- The data is then validated by Idaho PERCS using the schematron file, and if it passes schematron validation will be imported into Idaho PERCS for analysis and use. If the data file does not pass validation, the agency patient care report administrator shall be contacted and provided a list of deficiencies to be addressed prior to re-submission of data for the same time period.

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