

Code of Virginia 32.1-116.1 The Prehospital patient care reporting procedure

States: "All licensed emergency medical services agencies shall participate in the Virginia EMS Registry by making available to the Commissioner or his designees the minimum data set in the format prescribed by the Board or any other format which contain equivalent information and meets any technical specifications of the Board. The minimum data set shall include, but not be limited to, the type of medical emergency or nature of the call, the response time, the treatment provided and other items as prescribed by the Board."

The Virginia Department of Health (VDH), Office of Emergency Medical Services (OEMS) is concluding a five year project that will replace the existing technologically outdated prehospital data collection program with a state of the art emergency medical services (EMS) information system that conforms to the new national EMS dataset and technical format. The National Highway Traffic Safety Administration (NHTSA) set the standard for EMS data collection and in partnership with the National EMS Information System (NEMSIS) has established a national EMS database that all states and territories have agreed to contribute to using the NHTSA technical format and dataset.

VDH/OEMS has not requested a revision to its minimum dataset or change to its technical format since 1999 and asks for the State Board of Health to consider and approve the following technical format change and minimum dataset update so the Virginia EMS Registry (EMSR) may be brought into compliance with national standards.

VDH/OEMS requests the Virginia EMSR technical format be changed from a space delimited format to that of extensible markup language (XML) and that the XML schema (a.k.a. XSD) be based on the current NHTSA/NEMSIS standard. Utilizing an XML format will not only allow VDH/OEMS to contribute to the national EMS database, it will also allow for easier linkage with other databases, and allow the EMSR format to be more consistent with other EMS software programs in use throughout the Commonwealth.

VDH/OEMS further requests that the list of data elements below be accepted as the revised Virginia EMS dataset. VDH/OEMS has attempted to be conservative in the number of data elements it collects and the list below adds essential elements to comply with submission to the national database, apply evidence based practice, and allow for linkage to applicable databases. Additionally, many elements are administrative in nature and not reported on an individual record basis (i.e. D01_01 thru E01_04).

New Element?	NEMSIS/NISE Element Code	Data Element
* Required National Data Element		
*No	D01_01	EMS Agency Number
No	D01_02	EMS Agency Name
*No	D01_03	EMS Agency State
*No	D01_04	EMS Agency County
*No	D01_08	Organizational Type
*Yes	D01_09	Organization Status
*Yes	D01_21	National Provider Identifier
No	D02_10	Agency Contact Email Address
Yes	D05_01	Station Name
Yes	D05_02	Station Number
Yes	D05_04	Station GPS
Yes	D05_05	Station Address
Yes	D05_06	Station City
Yes	D05_07	Station State
Yes	D05_08	Station Zip
No	D06_01	Unit/Vehicle Number
No	D06_03	Vehicle Type
No	D06_07	Vehicle Model Year
No	D07_02	State/Licensure ID Number
Yes	D07_05	Personnel's Level of Certification/Licensure for Agency
No	D08_01	EMS Personnel's Last Name
No	D08_02	EMS Personnel's Middle Name/Initial
No	D08_15	State EMS Certification Licensure Level
*No	E01_02	Software Creator
*Yes	E01_03	Software Name
*Yes	E01_04	Software Version
*No	E02_01	EMS Agency Number
*No	E02_02	Incident Number
*No	E02_04	Type of Service Requested
*Yes	E02_05	Primary Role of the Unit
*Yes	E02_06	Type of Dispatch Delay
*Yes	E02_07	Type of Response Delay
*Yes	E02_08	Type of Scene Delay
*Yes	E02_09	Type of Transport Delay
*Yes	E02_10	Type of Turn-Around Delay
*Yes	E02_12	EMS Unit Call Sign (Radio Number)
*Yes	E02_20	Response Mode to Scene
*No	E03_01	Complaint Reported by Dispatch
*Yes	E03_02	EMD Performed
Yes	E04_01	Crew Member ID
*No	E05_02	PSAP Call Date/Time
No	E05_03	Dispatch Notified Date/Time
*No	E05_05	Unit En Route Date/Time
*No	E05_06	Unit Arrived on Scene Date/Time
*No	E05_07	Arrived at Patient Date/Time
No	E05_08	Transfer of Patient Care Date/Time

New Element?	NEMSIS/NISE Element Code	Data Element (cont'd)
* Required National Data Element		
*No	E05_09	Unit Left Scene Date/Time
*No	E05_10	Patient Arrived at Destination Date/Time
*No	E05_11	Unit Back in Service Date/Time
*No	E05_13	Unit Back at Home Location Date/Time
Yes	E06_01	Last Name
Yes	E06_02	First Name
No	E06_05	Patient's Home City
*No	E06_08	Patient's Home Zip Code
No	E06_10	Social Security Number
*No	E06_11	Gender
*No	E06_12	Race
*No	E06_13	Ethnicity
*No	E06_14	Age
*No	E06_15	Age Units
No	E06_16	Date of Birth
Yes	E06_18	State Issuing Driver's License (alternative to SSN)
Yes	E06_19	Driver's License Number
*Yes	E07_01	Primary Method of Payment
No	E08_01	Other EMS Agencies at Scene
*Yes	E08_05	Number of Patients at Scene
*Yes	E08_06	Mass Casualty Incident
*No	E08_07	Incident Location Type
Yes	E08_11	Incident Address
*No	E08_15	Incident ZIP Code (replaces existing FIPS Code)
*No	E09_04	Possible Injury
Yes	E09_06	Duration of Chief Complaint
Yes	E09_07	Time Units of Duration of Chief Complaint
*Yes	E09_11	Chief Complaint Anatomic Location
*Yes	E09_12	Chief Complaint Organ System
*No	E09_13	Primary Symptom
*No	E09_14	Other Associated Symptoms
*No	E09_15	Providers Primary Impression
*Yes	E09_16	Provider's Secondary Impression
*No	E10_01	Cause of Injury
Yes	E10_02	Intent of the Injury
No	E10_04	Vehicular Injury Indicators
No	E10_05	Area of the Vehicle impacted by the collision
No	E10_08	Use of Occupant Safety Equipment
No	E10_09	Airbag Deployment
Yes	E10_10	Height of Fall
*No	E11_01	Cardiac Arrest
*Yes	E11_02	Cardiac Arrest Etiology
*No	E11_03	Resuscitation Attempted
No	E11_05	First Monitored Rhythm of the Patient

New Element?	NEMESIS/NISE Element Code	Data Element (cont'd)
* Required National Data Element		
No	E11_06	Any Return of Spontaneous Circulation
No	E11_08	Estimated Time of Arrest Prior to EMS Arrival
Yes	E11_09	Date/Time Resuscitation Discontinued
Yes	E11_10	Reason CPR Discontinued
No	E11_11	Cardiac Rhythm on Arrival at Destination
*Yes	E12_01	Barriers to Patient Care
No	E12_10	Medical/Surgical History
Yes	E12_12	Immunization History
*Yes	E12_19	Alcohol/Drug Use Indicators
No	E12_20	Pregnancy
No	E14_03	Cardiac Rhythm
No	E14_04	SBP (Systolic Blood Pressure)
No	E14_05	DBP (Diastolic Blood Pressure)
Yes	E14_06	Method of Blood Pressure Measurement
No	E14_07	Pulse Rate
No	E14_09	Pulse Oximetry
No	E14_10	Pulse Rhythm
No	E14_11	Respiratory Rate
No	E14_12	Respiratory Effort
Yes	E14_13	Carbon Dioxide
Yes	E14_14	Blood Glucose Level
No	E14_15	Glasgow Coma Score-Eye
No	E14_16	Glasgow Coma Score-Verbal
No	E14_17	Glasgow Coma Score-Motor
Yes	E14_18	Glasgow Coma Score-Qualifier
Yes	E14_23	Pain Scale
Yes	E14_24	Stroke Scale
Yes	E14_25	Thrombolytic Screen
No	E14_26	APGAR
No	E16_01	Estimated Body Weight
Yes	E18_01	Date/Time Medication Administered
*Yes	E18_03	Medication Given
Yes	E18_04	Medication Administered Route
Yes	E18_05	Medication Dosage
Yes	E18_06	Medication Dosage Units
Yes	E18_07	Response to Medication
*Yes	E18_08	Medication Complication
Yes	E18_09	Medication Crew Member ID
Yes	E19_01	Date/Time Procedure Performed Successfully
*No	E19_03	Procedure
*No	E19_05	Number of Procedure Attempts
*No	E19_06	Procedure Successful
*Yes	E19_07	Procedure Complication
Yes	E19_09	Procedure Crew Members ID
Yes	E19_13	Tube Confirmation
No	E20_01	Destination/Transferred To, Name

New Element?	NEMSIS/NISE Element Code	Data Element (cont'd)
* Required National Data Element		
*No	E20_10	Incident/Patient Disposition
*Yes	E20_14	Transport Mode from Scene
*No	E20_16	Reason for Choosing Destination
*No	E20_17	Type of Destination
Yes	E23_08	Required Reportable Conditions
Yes	IT1_1	Pulse Oximetry Qualifier
No	IT5_19	Exterior Damage
Yes	IT5_6	Motor Vehicle Type
Yes	IT7_24	Procedure Location
Yes	IT7_25	Method of Securing ETT
Yes	IT8_19	AMA Type
Yes	IT8_21	AMA Reason
Yes	IT10_1	Facility Diverted From-Name
Yes	IT10_2	Specialty Team Notified
Yes	IT10_6	Facility Notified By
Yes	IT12_3	Stemi 12 Lead Transmitted