NEMSIS V3.5.0 Work Group Summary of Recommendations - Review National Elements -

NEMSIS TAC Annual Meeting

October 2, 2017

Work Group Meetings

- The Review National Element Work Group was tasked with reviewing revision requests to remove or add existing v3 elements of the National Subset, focusing on easing the burden on EMS, better documentation, and improving care.

- Webinar / Conference Calls were held on six occasions.
  - Good discussion and use cases for inclusion or exclusion of elements on a national level.

Original Requests Regarding National Elements

- Promote Elements to National Subset
  - 9 of 29 requests (4 DEM and 5 EMS DataSet)
- Remove Elements from National Subset
  - 17 of 29 requests (9 DEM and 8 EMS DataSet)
- Have State send Elements to NEMSIS
  - 3 of 29 (3 DEM DataSet)

Original Requests Regarding National Elements

- Promote Elements to National Subset
  - 9 of 29 requests (4 DEM and 5 EMS DataSet)
    - dVehicle.01 - Unit/Vehicle Number
    - dVehicle.02 - Vehicle Identification Number
    - dVehicle.04 - Vehicle Type
    - dVehicle.10 - Vehicle Model Year
    - eExam.02 - Length Based Tape Measure
    - eMedications.04 - Medication Administered Route
    - eProcedures.13 - Vascular Access Location
    - eSituation.18 - Date/Time Last Known Well
    - eTimes.02 - Dispatch Notified Date/Time

Original Requests Regarding National Elements

- Remove Elements from National Subset
  - 17 of 29 requests (9 DEM DataSet)
    - dAgency.15 - Statistical Calendar Year
    - dAgency.16 - Total Primary Service Area Size
    - dAgency.17 - Total Service Area Population
    - dAgency.18 - 911 EMS Call Center Volume per Year
    - dAgency.19 - EMS Dispatch Volume per Year
    - dAgency.20 - EMS Patient Transport Volume per Year
    - dAgency.21 - EMS Patient Contact Volume per Year
    - dConfiguration.11 - EMS Agency Specialty Service Capability
    - dConfiguration.15 - Patient Monitoring Capability(ies)

Original Requests Regarding National Elements

- Remove Elements from National Subset
  - 17 of 29 requests (8 EMS DataSet)
    - eDisposition.23 - Hospital Capability
    - eMedications.07 - Response to Medication
    - eOther.05 - Suspected EMS Work Related Exposure, Injury, or Death
    - eProtocols.01 - Protocols Used
    - eProtocols.02 - Protocol Age Category
    - eProcedures.08 - Response to Procedure
    - eTimes.12 - Destination Patient Transfer of Care Date/Time
    - eVitals.08 - Method of Blood Pressure Measurement

Original Requests Regarding National Elements

- Have State send Elements to NEMSIS
  - 3 of 29 (3 DEM DataSet)
    - dConfiguration.03 - Procedures Permitted by the State
    - dConfiguration.04 - Medications Permitted by the State
    - dConfiguration.05 - Protocols Permitted by the State

Version 3 Elements Reviewed

- DataSet Type Elements Reviewed
  - DEM DataSet: 16
  - EMS DataSet: 13

- Final Recommendation Options:
  - Remove as National Element
  - No Change to National Element
  - Promote to National Element

Version 3 Elements Reviewed
- Recommendation -

- **DEM DataSet: 16**

  - <u>Remove as National Element (9 Elements)</u>
    - dAgency.15 - Statistical Calendar Year
    - dAgency.16 - Total Primary Service Area Size
    - dAgency.17 - Total Service Area Population
    - dAgency.18 - 911 EMS Call Center Volume per Year
    - dAgency.19 - EMS Dispatch Volume per Year
    - dAgency.20 - EMS Patient Transport Volume per Year
    - dAgency.21 - EMS Patient Contact Volume per Year
    - dConfiguration.11 - EMS Agency Specialty Service Capability
    - dConfiguration.15 - Patient Monitoring Capability(ies)

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Version 3 Elements Reviewed - Recommendation -

- **DEM DataSet: 16**

  - <u>No Change to National Element (7 Elements)</u>
    - dConfiguration.03 - Procedures Permitted by the State
    - dConfiguration.04 - Medications Permitted by the State
    - dConfiguration.05 - Protocols Permitted by the State
    - dVehicle.01 - Unit/Vehicle Number
    - dVehicle.02 - Vehicle Identification Number
    - dVehicle.04 - Vehicle Type
    - dVehicle.10 - Vehicle Model Year

Version 3 Elements Reviewed - Recommendation -

- **EMS DataSet: 13**

  - <u>Remove as National Element (6 Elements)</u>
    - eDisposition.23 - Hospital Capability
    - eMedications.07 - Response to Medication
    - eOther.05 - Suspected EMS Work Related Exposure, Injury, or Death
    - eProtocols.02 - Protocol Age Category
    - eProcedures.08 - Response to Procedure
    - eVitals.08 - Method of Blood Pressure Measurement

Version 3 Elements Reviewed - Recommendation -

- **EMS DataSet: 13**

  - <u>No Change to National Element (4 Elements)</u>
    - eExam.02 - Length Based Tape Measure
    - eProtocols.01 - Protocols Used
    - eProcedures.13 - Vascular Access Location
    - eTimes.12 - Destination Patient Transfer of Care Date/Time

Version 3 Elements Reviewed - Recommendation -

- **EMS DataSet: 13**
  - Promote to National Element (3 Elements)
    - eMedications.04 - Medication Administered Route
    - eSituation.18 - Date/Time Last Known Well
    - eTimes.02 - Dispatch Notified Date/Time
  - Constraints for these would most likely be:
    - Usage: NEW = Required
    - NOT Values: NEW = Yes
    - Is Nillable: NEW = Yes
    - Recurrence: NEW = 1:1
    - National Element: NEW = Yes

Review National Elements

Summary of Recommendations:

- Drop 15 Elements from the National Subset

- Promote 3 Elements to the National Subset

- No Change to 11 Elements in the National Subset

	Total Elements	DEM DataSet	EMS DataSet
Remove as National Element	**15**	**9**	**6**
No Change to National Element	**11**	**7**	**4**
Promote to National Element	**3**	**0**	**3**
Net Change of National Elements	-12	-9	-3

Comparison of National Elements

NEMSIS BETTER DATA. BETTER CARE.

V3.4.0 - National Elements

- 165 Elements
  - 35 DEM DataSet
  - 130 EMS DataSet

NEMSIS Version 3.4.0
Total Elements including the Custom Elements: 585
Excluding the 12 Demographic & 12 EMS (ePCR) Custom Elements = 561

Total National Elements	165
Mandatory	37
Required	128
Demographic (Agency) Elements	35
Mandatory	22
Required	13
EMS (ePCR) Elements	130
Mandatory	15
Required	115

V3.5.0 - National Elements

- 153 Elements
  - 26 DEM DataSet
  - 127 EMS DataSet

NEMSIS Version 3.5.0
Total Elements including the Custom Elements: 585
Excluding the 12 Demographic & 12 EMS (ePCR) Custom Elements = 561

Total National Elements	153
Mandatory	34
Required	119
Demographic (Agency) Elements	26
Mandatory	19
Required	7
EMS (ePCR) Elements	127
Mandatory	15
Required	112

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Review National Elements

<u>Next Steps:</u>

- Discuss with NASEMSO
  - DMC Council, State Directors, Medical Directors
- Discuss with NHTSA Office of EMS
- Determine Usage of Elements
  - Input from DMC
  - State Element: Yes or No
  - Usage: Optional or Recommended
    - Are Not Values important for each element

Elements Removed
- Usage to be determined -

DatasetName	ElementNumber	ElementName	New / Change with which v3 Version	National	State	Usage
DEMDataSet	dAgency.15	Statistical Calendar Year	Remove as Natl with v3.5.0		??	??
DEMDataSet	dAgency.16	Total Primary Service Area Size	Remove as Natl with v3.5.0		??	??
DEMDataSet	dAgency.17	Total Service Area Population	Remove as Natl with v3.5.0		??	??
DEMDataSet	dAgency.18	911 EMS Call Center Volume per Year	Remove as Natl with v3.5.0		??	??
DEMDataSet	dAgency.19	EMS Dispatch Volume per Year	Remove as Natl with v3.5.0		??	??
DEMDataSet	dAgency.20	EMS Patient Transport Volume per Year	Remove as Natl with v3.5.0		??	??
DEMDataSet	dAgency.21	EMS Patient Contact Volume per Year	Remove as Natl with v3.5.0		??	??
DEMDataSet	dConfiguration.11	EMS Agency Specialty Service Capability	Remove as Natl with v3.5.0		??	??
DEMDataSet	dConfiguration.15	Patient Monitoring Capability(ies)	Remove as Natl with v3.5.0		??	??
EMSDataSet	eVitals.08	Method of Blood Pressure Measurement	Remove as Natl with v3.5.0		??	??
EMSDataSet	eProtocols.02	Protocol Age Category	Remove as Natl with v3.5.0		??	??
EMSDataSet	eMedications.07	Response to Medication	Remove as Natl with v3.5.0		??	??
EMSDataSet	eProcedures.08	Response to Procedure	Remove as Natl with v3.5.0		??	??
EMSDataSet	eDisposition.23	Hospital Capability	Remove as Natl with v3.5.0		??	??
EMSDataSet	eOther.05	Suspected EMS Work Related Exposure, Injury, or Death	Remove as Natl with v3.5.0		??	??

Thanks to the Review National Element Work Group Members

Brenda Clotfelter	State of Florida, Bureau of EMS
Brooke Burton	Gold Cross Ambulance, Utah
Chip Cooper	State of New Hampshire, Bureau of EMS
Dan Lee	State of Illinois, Dept of Health
Donna York Clark	Golden Hour / emsCharts
Felicia Alvarez	State of Utah, Bureau of EMS
Jason Rhodes	State of Rhode Island, Dept of Health
John Montes	National Fire Protection Association
Josh Austin	Open Inc., SafetyPAD
Juan Esparza	State of Florida, Bureau of EMS
Kris Head	EOS Logic
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Melissa Belgau	State of Washington, Dept of Health
Ruth McGuire	San Diego Fire Rescue
Sean Kaye	EMS Performance Improvement Center

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