




Benefits of Modifying eOutcomes

NEMSIS Boot Camp
Presented by Atim Effiong
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Agenda

- Overview
- Differences in the eOutcome section between v3.4 and v3.5
- What the changes mean for States and EMS Clinicians
- Summary



What Would Better Outcome Data Mean to Your State?

- [PollEv.com/lauribradt384](https://pollEv.com/lauribradt384)
- Or Text LAURIBRADT384 to 37607, then text code: 123




In one word or phrase, what would better outcome data mean to your state?


Start the presentation to see live content. For screen share software, share the entire screen. Get help at help@nemsis.com

Overview

- Goal of eOutcome: to get the outcomes data back!
- What has changed to begin to make that possible
- What you as a State Data Manager can do to facilitate



What has Changed?



v3.4 eOutcome Section

Legend: Dataset Level: **General** **State** **Department**
Usage: **M** - Mandatory, **R** - Required, **E** - Recommended, or **O** - Optional
Attributes: **N** - Not Values, **P** - Patient Reported, **L** - Numeric, **C** - Continuation ID, **Anchor U** - UICID

Outcome	Dataset Level	Usage	Attributes
1.1 eOutcome 01 - Emergency Department Disposition	General	M	U, L, C
1.1.1 eOutcome 02 - Hospital Disposition	General	M	U, L, C
1.1.1.1 eOutcome ExternalOutadiscip	General	O	
3.1.1 eOutcome 03 - External Report ID/Number Type	General	O	
3.1.1.1 eOutcome 04 - External Report ID/Number	General	O	
3.1.1.1.1 eOutcome 05 - Other Report Registry Type	General	O	
3.1.1.1.1.1 eOutcome 06 - Emergency Department Chief Complaint	General	O	
3.1.1.1.1.1.1 eOutcome 07 - First ICD System Blood Pressure	General	O	
3.1.1.1.1.1.1.1 eOutcome 08 - Emergency Department Recorded Cause of Injury	General	O	
3.1.1.1.1.1.1.1.1 eOutcome 09 - Emergency Department Procedures	General	O	
3.1.1.1.1.1.1.1.1.1 eOutcome 10 - Emergency Department Diagnosis	General	O	
3.1.1.1.1.1.1.1.1.1.1 eOutcome 11 - Date/Time of Hospital Admission	General	O	
3.1.1.1.1.1.1.1.1.1.1.1 eOutcome 12 - Hospital Procedures	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 13 - Hospital Diagnosis	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 14 - Total ICU Length of Stay	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 15 - Total Ventilator Days	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 16 - Date/Time of Hospital Discharge	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 17 - Outcome of Hospital Discharge	General	O	



v3.5 eOutcome Section

Legend: Dataset Level: **General** **State** **Department**
Usage: **M** - Mandatory, **R** - Required, **E** - Recommended, or **O** - Optional
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Outcome	Dataset Level	Usage	Attributes
1.1 eOutcome 01 - Emergency Department Disposition	General	M	U, L, C
1.1.1 eOutcome 02 - Hospital Disposition	General	M	U, L, C
1.1.1.1 eOutcome ExternalOutadiscip	General	O	
3.1.1 eOutcome 03 - External Report ID/Number Type	General	O	
3.1.1.1 eOutcome 04 - External Report ID/Number	General	O	
3.1.1.1.1 eOutcome 05 - Other Report Registry Type	General	O	
3.1.1.1.1.1 eOutcome EmergencyDepartmentProcedureGroup	General	O	
3.1.1.1.1.1.1 eOutcome 06 - Emergency Department Procedures	General	O	
3.1.1.1.1.1.1.1 eOutcome 07 - Date/Time Emergency Department Procedure Performed	General	O	
3.1.1.1.1.1.1.1.1 eOutcome 08 - Emergency Department Diagnosis	General	O	
3.1.1.1.1.1.1.1.1.1 eOutcome 09 - Date/Time of Hospital Admission	General	O	
3.1.1.1.1.1.1.1.1.1.1 eOutcome HospitalProcedureGroup	General	O	
3.1.1.1.1.1.1.1.1.1.1.1 eOutcome 10 - Hospital Procedures	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 11 - Date/Time Hospital Procedure Performed	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 12 - Hospital Diagnosis	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 13 - Date/Time of Hospital Discharge	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 14 - Date/Time of Emergency Department Admission	General	O	



v3.4

Legend: Dataset Level: **General** **State** **Department**
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Outcome	Dataset Level	Usage	Attributes
1.1 eOutcome 01 - Emergency Department Disposition	General	M	U, L, C
1.1.1 eOutcome 02 - Hospital Disposition	General	M	U, L, C
1.1.1.1 eOutcome ExternalOutadiscip	General	O	
3.1.1 eOutcome 03 - External Report ID/Number Type	General	O	
3.1.1.1 eOutcome 04 - External Report ID/Number	General	O	
3.1.1.1.1 eOutcome 05 - Other Report Registry Type	General	O	
3.1.1.1.1.1 eOutcome 06 - Emergency Department Chief Complaint	General	O	
3.1.1.1.1.1.1 eOutcome 07 - First ICD System Blood Pressure	General	O	
3.1.1.1.1.1.1.1 eOutcome 08 - Emergency Department Recorded Cause of Injury	General	O	
3.1.1.1.1.1.1.1.1 eOutcome 09 - Emergency Department Procedures	General	O	
3.1.1.1.1.1.1.1.1.1 eOutcome 10 - Emergency Department Diagnosis	General	O	
3.1.1.1.1.1.1.1.1.1.1 eOutcome 11 - Date/Time of Hospital Admission	General	O	
3.1.1.1.1.1.1.1.1.1.1.1 eOutcome 12 - Hospital Procedures	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 13 - Hospital Diagnosis	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 14 - Total ICU Length of Stay	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 15 - Total Ventilator Days	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 16 - Date/Time of Hospital Discharge	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 17 - Outcome of Hospital Discharge	General	O	

v3.5

Legend: Dataset Level: **General** **State** **Department**
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Outcome	Dataset Level	Usage	Attributes
1.1 eOutcome 01 - Emergency Department Disposition	General	M	U, L, C
1.1.1 eOutcome 02 - Hospital Disposition	General	M	U, L, C
1.1.1.1 eOutcome ExternalOutadiscip	General	O	
3.1.1 eOutcome 03 - External Report ID/Number Type	General	O	
3.1.1.1 eOutcome 04 - External Report ID/Number	General	O	
3.1.1.1.1 eOutcome 05 - Other Report Registry Type	General	O	
3.1.1.1.1.1 eOutcome EmergencyDepartmentProcedureGroup	General	O	
3.1.1.1.1.1.1 eOutcome 06 - Emergency Department Procedures	General	O	
3.1.1.1.1.1.1.1 eOutcome 07 - Date/Time Emergency Department Procedure Performed	General	O	
3.1.1.1.1.1.1.1.1 eOutcome 08 - Emergency Department Diagnosis	General	O	
3.1.1.1.1.1.1.1.1.1 eOutcome 09 - Date/Time of Hospital Admission	General	O	
3.1.1.1.1.1.1.1.1.1.1 eOutcome HospitalProcedureGroup	General	O	
3.1.1.1.1.1.1.1.1.1.1.1 eOutcome 10 - Hospital Procedures	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 11 - Date/Time Hospital Procedure Performed	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 12 - Hospital Diagnosis	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 13 - Date/Time of Hospital Discharge	General	O	
3.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1 eOutcome 14 - Date/Time of Emergency Department Admission	General	O	



Let us break down the changes



What is staying the same?

3.4

3.5

Outcome 01 - Emergency Department Disposition		Outcome 01 - Emergency Department Disposition	
Outcome 02 - Hospital Disposition		Outcome 02 - Hospital Disposition	
Outcome 03 - Emergency Department Disposition		Outcome 03 - Emergency Department Disposition	
Outcome 04 - External Report Disposition		Outcome 04 - External Report Disposition	
Outcome 05 - Other Report Registry Type		Outcome 05 - Other Report Registry Type	



What is Changing?


3.4

3.5


Outcome 06 - Emergency Department Chief Complaint		Outcome 06 - Emergency Department Chief Complaint	
Outcome 07 - First ICD Synthetic Drug Possession		Outcome 07 - First ICD Synthetic Drug Possession	
Outcome 08 - Emergency Department Recorded Cause of Injury		Outcome 08 - Emergency Department Recorded Cause of Injury	
Outcome 09 - Emergency Department Procedures		Outcome 09 - Emergency Department Procedures	
Outcome 10 - Emergency Department Diagnosis		Outcome 10 - Emergency Department Diagnosis	
Outcome 11 - Date/Time of Hospital Admission		Outcome 11 - Date/Time of Hospital Admission	
Outcome 12 - Hospital Procedures		Outcome 12 - Hospital Procedures	
Outcome 13 - Hospital Disposition		Outcome 13 - Hospital Disposition	
Outcome 14 - Total ICU Length of Stay		Outcome 14 - Total ICU Length of Stay	
Outcome 15 - Total Ventilator Days		Outcome 15 - Total Ventilator Days	
Outcome 16 - Date/Time of Hospital Discharge		Outcome 16 - Date/Time of Hospital Discharge	
Outcome 17 - Outcome at Hospital Discharge		Outcome 17 - Outcome at Hospital Discharge	



What does this mean for you?




- Access to EMS provider performance
- Enhance the value of health information exchanges by connecting EMS with hospitals





Standardized eOutcomes Template

- Standard handshake to hospital EHR systems
- Uses the new standard for health information exchange
 - FHIR – Fast Healthcare Interoperability Resources
- Facilitates correct record linkages (NEMSIS UUID)
- Reduces costs for health information exchange



What does this mean for EMS Clinicians?

- Timely information regarding patient outcomes
- Timely patient outcome reporting



EMS clinicians will have real time feedback on their performance



- Currently, clinicians have to wait to get feedback on their performance
- With v3.5, clinicians will have real time feedback



Summary

eOutcomes is changing in v3.5 opens the door to consistent outcomes data at an EMS clinician, state, and national level



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