NEMSIS & Federal Activities

- Positioning EMS Information
- Susan McHenry
- NHTSA Office of EMS
- November 20, 2013

NEMSIS Status of State & Territory Submission to NEMSIS

NEMSIS v2.2.1 dataset

State and Territories Submitting

State and Territory Map

Status of States and Territories as of November 1, 2013
45.5 million Records

- 2011 = 14.6 million
- 2012 = 19.8 million
- 2013 = 10.9 million
- with Quarters 3 & 4 of 2013 yet to be submitted

Example: Reported Mass Casualty Incidents

Attributes of Mass Casualty Incidents

<table>
<thead>
<tr>
<th>Mass Casualty Incident</th>
<th>Count of Events</th>
<th>Count of Events %</th>
<th>Any Scene Time in Minutes</th>
<th>Any Total Call Time in Minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ho</td>
<td>31,123,355</td>
<td>61.07%</td>
<td>10.54</td>
<td>05.51</td>
</tr>
<tr>
<td>Yes</td>
<td>18,651</td>
<td>38.93%</td>
<td>21.10</td>
<td>01.62</td>
</tr>
</tbody>
</table>

A mass casualty incident is defined as an event which generates more patients at one time than locally available resources can manage using routine procedures or resulting in a number of victims large enough to disrupt the normal course of emergency and health care services and would require additional non-routine assistance.
Where are MC Incidents Occurring?

<table>
<thead>
<tr>
<th>Time</th>
<th>Incidents Recorded</th>
<th>Incidents Location</th>
<th>Incidents Type</th>
<th>Time</th>
<th>Incidents Recorded</th>
<th>Incidents Location</th>
<th>Incidents Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>0:00</td>
<td>873,921.33</td>
<td>28.7%</td>
<td>18.6%</td>
<td>0:00</td>
<td>873,921.33</td>
<td>28.7%</td>
<td>18.6%</td>
</tr>
<tr>
<td>0:30</td>
<td>552,771.21</td>
<td>18.6%</td>
<td>18.6%</td>
<td>0:30</td>
<td>552,771.21</td>
<td>18.6%</td>
<td>18.6%</td>
</tr>
<tr>
<td>1:00</td>
<td>291,681.09</td>
<td>18.6%</td>
<td>18.6%</td>
<td>1:00</td>
<td>291,681.09</td>
<td>18.6%</td>
<td>18.6%</td>
</tr>
</tbody>
</table>

Reported MC and Holidays?

NEMSIS 2012 Research Dataset

Received 87 requests for the NEMSIS Public Release Research Dataset. 85 granted.

National Trauma Data Standard

Benefit of a Common XML

External Server

"Validator"
Where are we going?
HIE and NEMSIS

Health Level 7
- Standards Developing Organization
  - ANSI Approved
  - ISO Component
- Health Related Standards
  - Required for CMS Claims
  - Standard for Meaningful Use
- Several Versions
  - Version 2.5 = 95% US Hospital Market
  - Version 3.0 = Majority European Market
  - XML Based = NEMSIS Target

HL7 Milestones
- HL7 Development Framework
  - Domain Analysis Model: Balloted/Approved 2010
  - Constrained Model: Balloted/Approved 2011
  - CDA and Implementation Guide: Balloted/Approved 2012
  - Data Standard for Trial Use (DSTU): 2012/13
  - NEMSIS Normative Standard: Balloted 2013
  - Met quorum requirements
  - Currently rectifying ballot comments
Emergency Medical Services Patient Care Report
September 2013

HL7 Normative Ballot

Possible CDA Implementations

Beyond Health Level 7

Harmonization with other Standards
- Justice Datasets
- EDXL
- NIEM

Facilitate Standards
- CAD
- Medical Devices
- AACN (VEDS)

Introduce Modules
- Air Medical
- Critical Care
- Paramedicine

Questions??