NEMSIS at the California Health Information Exchange Summit

April 19, 2016
Hi, I’m Noah
Challenges and Opportunities for NEMSIS and EMS Data

- Challenge #1: Definition
- Challenge #2: Perception
- Challenge #3: Meaningful Return on Investment

- Opportunity #1: Measure and Improve Performance
- Opportunity #2: Interoperability
- Opportunity #3: Commitment to NEMSIS Evolution
Challenge #1

Definition
What is NEMSIS?

- Output standard of local EMS patient care reports
- Data element dictionary for point of care collection
- Compliance testing for ePCR software
- Facilitation of interoperability and exchange standards
- Standards for moving select data to state databases
- Linkage of data among state databases
- Collection of select data into the National EMS Database
  - Online National EMS Database
  - Research Dataset

- The effort to standardize, aggregate and utilize point of care EMS data at a local, state and national level to improve care.
Challenge #2

Perception
Healthcare Data – What is that?

“The doctor will be in shortly to type on the computer and update your chart. If he has time, he will ask how you’re feeling and take a look at your rash.”
Public Opinion of the Affordable Care Act

As you may know, a health reform bill was signed into law in 2010. Given what you know about the health reform law, do you have a generally favorable or generally unfavorable opinion of it?

SOURCE: Kaiser Family Foundation Health Tracking Polls
Will you be better off or worse off under the health reform law?

SOURCE: Kaiser Family Foundation Health Tracking Polls

NOTE: Don't know/Refused answers not shown.
As you may know, a health reform bill was signed into law in 2010. Given what you know about the health reform law, do you have a generally favorable or generally unfavorable opinion of it?
Challenge #3

Meaningful Return on Investment
Data: What’s In It For Me?

Why do I invest so much in data systems?

How can we best use our data to improve patient care, sustainability and innovate?
Opportunity #1

Measure and Improve
EMS Compass Initiative will:

1. Develop a lasting process for designing EMS specific performance measures.
2. Design an initial small set of clinical measures linked to NEMSIS V3 data elements.
3. Develop guidance for EMS agencies and providers in how to measure and improve.
4. Work with ePCR vendors to allow local and state measurement with their own data on day one.

Begin to shift our culture toward one of data-driven performance improvement

Be a reason to transition to Version 3
Opportunity #2

Facilitate Interoperability
EMS ePCR → ALERT
NEMSIS format CDA to ED dashboard → Emergency Department

EMS ePCR → FILE
NEMSIS 3 XML to HL7 Structured data, not PDF → Hospital EHR

EMS ePCR → RECONCILE
NEMSIS eOutcome Measures → Hospital EHR
FICEMS promotes the adoption and full utilization of electronic patient care data systems by all EMS agencies that are standardized through the National EMS Information System (NEMSIS). **Standardized and accessible patient-level data is essential to the improvement of pre-hospital emergency care and the integration of EMS into the broader healthcare system...**

Federal funds may be used to support activities that support EMS agencies and states to implement NEMSIS-compliant data systems and use collected data meaningfully to measure and improve the quality of care, including through research.

-Adopted August 12, 2015
As NEMSIS transitions from Version 2.2 to Version 3.0+, FICEMS recognizes the need for complete and uniform documentation of EMS patient care, the inclusion of that documentation in the patient’s electronic health record, and the use of this data to support EMS performance measurement and improvement...

Federal funds may be used to support activities for EMS agencies and states to implement and/or upgrade NEMSIS-compliant data systems and use collected data meaningfully to measure and improve the quality of care, including through research.
Opportunity #3

Commitment to Evolution and Learning
A Vision for How We Improve EMS Systems in the Future

- Updates to NEMSIS as Appropriate
- Evidence-based Guidelines
- Standard Data (NEMSIS)
- Interventions and Investments
- Standard Measures of Success
- Culture of Data-Driven Performance Improvement
- Data Interoperability and Exchange
Here’s why the timing is so important