The Path to Production: eOutcomes

Andrea Fourquet
Joshua Legler
Amit Trivedi
Welcome / Introductions

<table>
<thead>
<tr>
<th>• IHE USA/HIMSS</th>
<th>• NEMSIS TAC</th>
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<tbody>
<tr>
<td>Amit Trivedi</td>
<td>N. Clay Mann</td>
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<tr>
<td>Senior Director, Informatics &amp; Health IT Standards</td>
<td>Principal Investigator</td>
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<td>HIMSS / IHE USA</td>
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<tr>
<td>Andrea Fourquet</td>
<td>Joshua Legler</td>
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<td>IHE Patient Care Coordination (PCC)</td>
<td>EMS Data Consultant</td>
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<td>Technical Co-chair;</td>
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<td>IHE USA EMS Subject Matter Expert</td>
<td>Lisa Winter</td>
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<td>Project Manager</td>
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Agenda

• Welcome / Introductions
• NEMSIS Goals
• IHE USA & the Health IT Interoperability Landscape
• NEMSIS eOutcomes Project Overview and Plan
• Next Steps
• Q/A
NEMSIS Goal:
Outcomes in the National EMS Database

1st Hospital

1st Responder

Scene Transport

Interfacility

State

Final Hospital

NEMSIS ANNUAL MEETING 2022
In 2021, ED Disposition or Hospital Disposition was recorded on 1.2% of PCRs in the national EMS database where a patient was treated and transported by EMS.
Presence of Outcomes by Vendor (2021)
Presence of Outcomes by Agency (2021)
A Shared Vision: Improving Health Data Interoperability

Improve the quality, value, and safety of healthcare by enabling rapid, scalable, and secure access to health information at the point of care.

Improve understanding of, confidence in and support for EMS data collection and analysis across all target audiences within the EMS community.
IHE USA’s Strategic Partners
IHE USA | Interoperability Landscape

• Setting the Stage for Interoperability
  • Regulations: HITECH, 21st CC
  • Technology: HIT Testing and Certification, FHIR
  • Levers: Meaningful Use / Conditions of Certification / USCDI
  • Building Blocks and Existing Infrastructure
Goal 4: Connect Healthcare and Health Data through an Interoperable Health IT Infrastructure

Facilitates seamless exchange and integration of health information between platforms using shared data standards and common terminologies.
<table>
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<th>Awareness. Acceleration. Adoption.</th>
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<tr>
<td><strong>Build Attention for Your Interoperability Initiative</strong></td>
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<td>Bimonthly virtual events coordinated by IHE USA to systemically advance healthcare interoperability adoption with a diverse community of stakeholders</td>
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<td><strong>Receive Hands-On Experience Testing Your Data Exchange</strong></td>
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<td>Facilitator-led connectivity workshops that support the progress of specification production through the testing &amp; development lifecycle</td>
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<td><strong>Gain Formal, Industry-Recognized Validation of Your Data Exchange</strong></td>
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<td>The world’s largest, longest-running, most-rigorous formal interoperability testing event taking place in North America, Europe, and Asia</td>
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<td><strong>Improve your own organization’s data exchange efficiency</strong></td>
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<td>Organization-specific testing sessions to help integrate new systems to support pilot projects, federal/state, and private sector interoperability efforts</td>
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NEMSIS ANNUAL MEETING 2022
Path to Production August Overview

August 30/31, 2022: https://cvent.me/dPNxa3

NEMSIS Project Kick Off

Keynote: 9:00am CT, Tuesday 8/30: N. Clay Mann, NEMSIS TAC PI

EMS Interoperability: Convening Stakeholders for Shared Progress
Bring together developers, clinicians and policymakers to make actionable progress around a shared theme and discrete use cases

Listening Session: August 31: 10:00 am CST, NEMSIS TAC Industry Listening Session

Implementation Guidance for NEMSIS Stakeholders
Guide stakeholders at all stages of maturity through a year-long, multi-step process of standards adoption to help move solutions and best practices from concept to adoption

- Support discharge queries for CDA/FHIR
- eOutcomes Reporting Project Launch
- NEMSIS TAC / Industry Stakeholders

Logistics
FREE
Bi-monthly, 2 Half Days, On Demand Education
Panel Discussions, Workshops / Demonstrations
eOutcomes Project Overview and Plan

• Next Steps
  • Path to Production – bi-monthly, August 30/31
    • Listening Session with NEMSIS TAC and Expanded Stakeholders
  • Connectathon – September 12-16, 2022

• Weekly Prep calls for Connectathon and Project Prep
  • Every Friday 3:00 EST
  • Including interface engineers from Epic
  • Goals: advance specification, prepare for conformance testing events and develop interoperability demonstrations
Quality Outcomes Reporting for EMS (QORE) Profile

Workflow:
Emergency To Hospital
Quality Outcomes Reporting for EMS (QORE) Profile

Workflow: Interfacility Transport
2022-2023 Roadmap

**Path to Production / Standards Acceleration Workshops**

Facilitator-led workshop that supports the continuity and progress of specification production

**IHE North American Connectathon**
*Date September 12-16, 2022*

**IHE North American Connectathon**
*Date February 6-10, 2022 (TBD)*

**IHE North American Connectathon**
*Date April 10-14, 2023*

**Deliverable:** Develop, test and refine draft specification or multi-stakeholder process to **develop eOutcomes draft implementation guidance** in collaboration with pilot cohorts

**Interoperability Showcase**

**HIMSS Global Conference**
*Date September 12-16, 2023*
How to Engage!

- IHE PCC Technical Committee Meetings
  - [https://wiki.ihe.net/index.php/ITI,_PCC_%26_QRPH_Meetings](https://wiki.ihe.net/index.php/ITI,_PCC_%26_QRPH_Meetings)
- Path to Production: NEMSIS Project Launch!
  - Tuesday August 30 / Wednesday August 31
  - Registration: [https://cvent.me/dPNxa3](https://cvent.me/dPNxa3)
- Invite only prep calls: 3:00pm EST Fridays: Contact us!
- Connectathon – Sept 12-16, 2022
  - Registration: [Click here](https://www.iheusa.org/ihe-global-connectathon-2022/connectathon-programming)
- ONC Technical Forums (September 9/16/23)
Questions to consider...

• Familiarity with CCDA/CCD?
  • Does your system consume or produce CDA documents?

• Familiarity with FHIR
  • Can your system query for FHIR resources?

• Health IT Certification?
  • Familiarity with ONC Certification criteria

• Connectathons – HL7 FHIR / IHE
  • Past Participation? Attendance/Testing Participation?
Current FHIR-based IHE Resources

EMS-Specific Profiles
• Paramedicine Care Summary (PCS) - UPDATE
• Referral for Interfacility Patient Transport (RIPT)
• Quality Outcomes Reporting for EMS (QORE)

Transaction-Specific Profiles
• Mobile Access to Health Documents (MHD)
• Query for Existing Data for Mobile (QEDm)
• Mobile Cross-Enterprise Document Data Element Extraction (mXDE)

Health Information Exchange Thought Leadership
• Enabling Document Sharing Health Information Exchange Using IHE Profiles Whitepaper