# Welcome / Introductions

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

# Agenda

- Welcome / Introductions
- NEMSIS Goals
- IHE USA & the Health IT Interoperability Landscape
- NEMSIS eOutcomes Project Overview and Plan
- Next Steps
- Q/A

**NEMSIS**
BETTER DATA. BETTER CARE.

# NEMSIS Goal:
# Outcomes in the National EMS Database
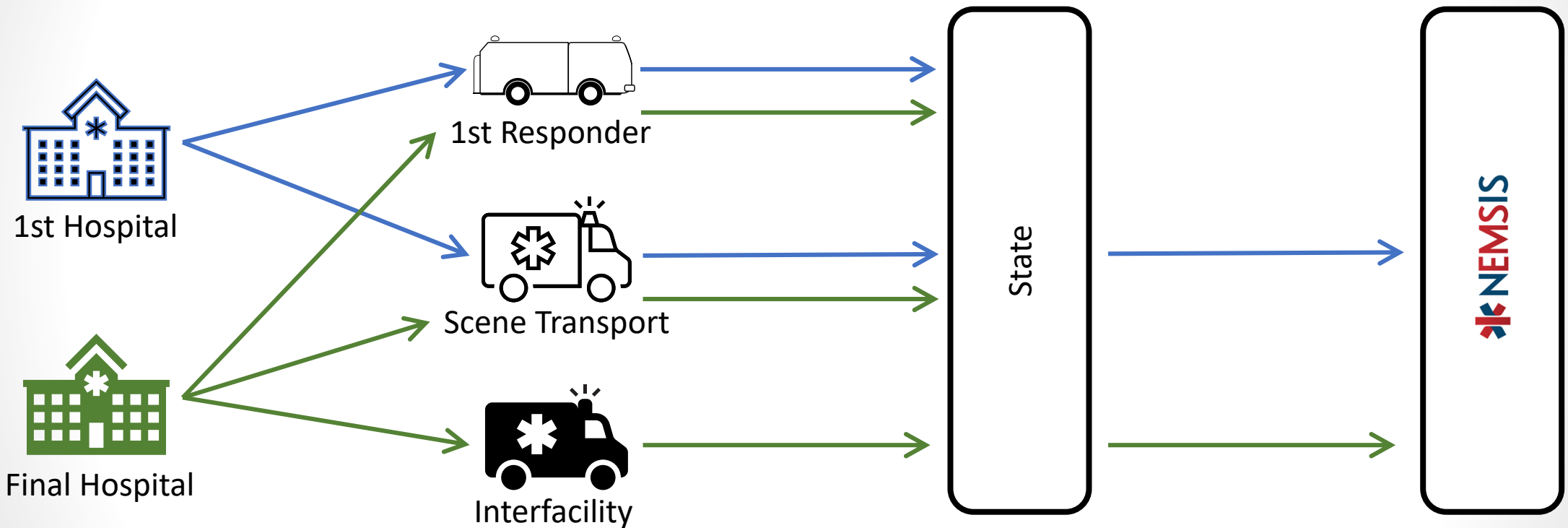
In 2021,

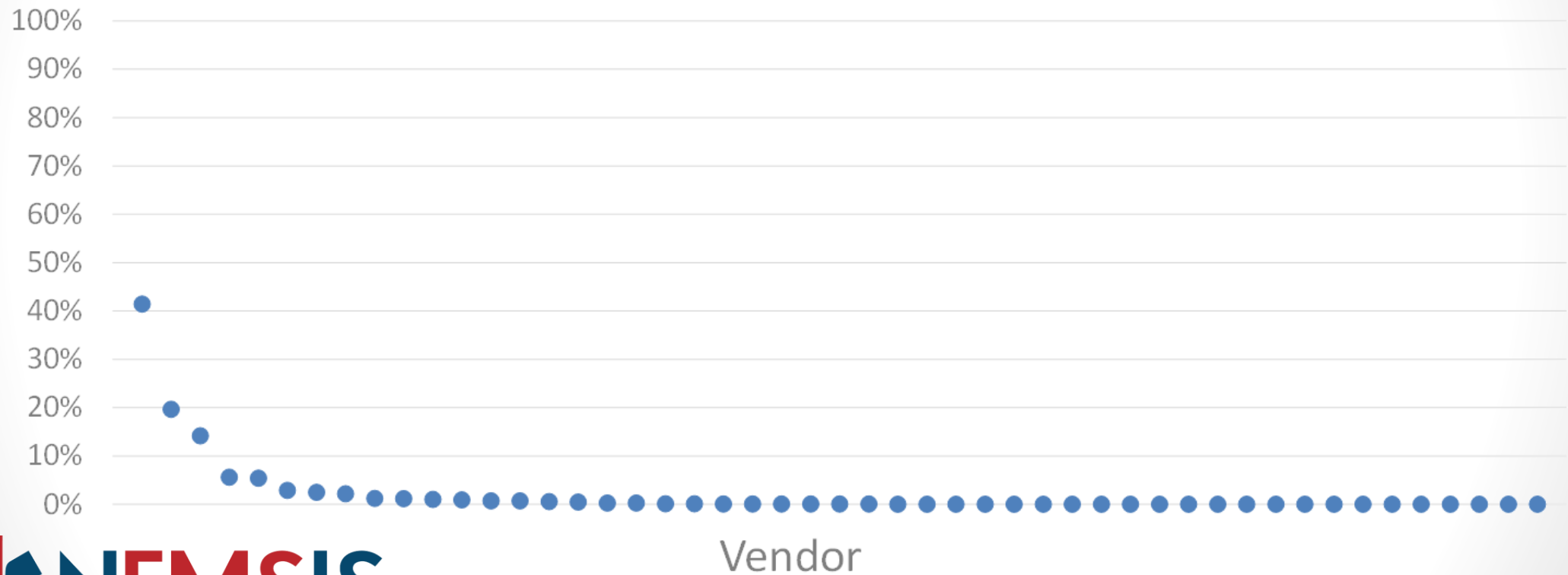ED Disposition or Hospital Disposition

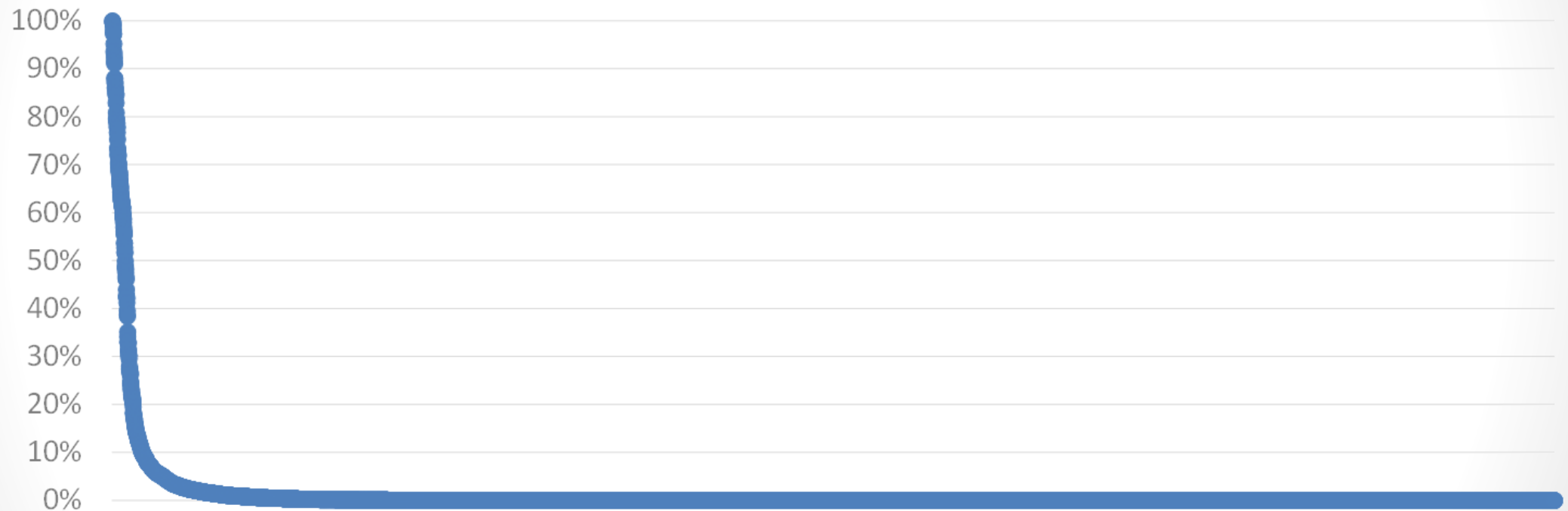was recorded on

# 1.2%

of PCRs

in the national EMS database

where a patient was treated and transported by EMS

NEMSIS

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# Presence of Outcomes by Vendor (2021)

# Presence of Outcomes by Agency (2021)

# A Shared Vision: Improving Health Data Interoperability

**IHE USA** — CONNECTING THE WORLD.

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

**NEMSIS** — Powered by NHTSA's Office of EMS

Improve understanding of, confidence in and support for EMS data collection and analysis across all target audiences within the EMS community.

**NEMSIS** BETTER DATA. BETTER CARE.

# IHE USA's Strategic Partners

# IHE USA | Interoperability Landscape

- Setting the Stage for Interoperability
  - Regulations: HITECH, 21$^{st}$ CC
  - Technology: HIT Testing and Certification, FHIR
  - Levers: Meaningful Use / Conditions of Certification / USCDI
  - Building Blocks and Existing Infrastructure

# Federal Health IT Strategic Plan 2020-2025



Outcomes Driven Plan

FOCUSED ON MEETING THE NEEDS OF

- Individuals
- Innovators
- Caregivers
- Developers
- Healthcare Providers
- Researchers
- Payers

This Plan is deliberately outcomes-driven, with goals focused on meeting the needs of individuals, caregivers, healthcare providers, payers, researchers, developers, and innovators.

**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

# Awareness.  Acceleration.  Adoption.

**Build Attention for Your Interoperability Initiative**

## Path to Production Digital Series

**Bimonthly virtual events** coordinated by IHE USA to systemically advance healthcare interoperability adoption with a diverse community of stakeholders

**Receive Hands-On Experience Testing Your Data Exchange**

## Standards Acceleration Program

**Facilitator-led connectivity workshops** that support the progress of specification production through the testing & development lifecycle

**Gain Formal, Industry-Recognized Validation of Your Data Exchange**

## IHE Connectathon Events

The world's largest, longest-running, most-rigorous **formal interoperability testing** event taking place in North America, Europe, and Asia

**Improve your own organization's data exchange efficiency**

## IHE Projectathon Events

Organization-specific testing sessions to help integrate new systems to support pilot projects, federal/state, and private sector interoperability efforts

# 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



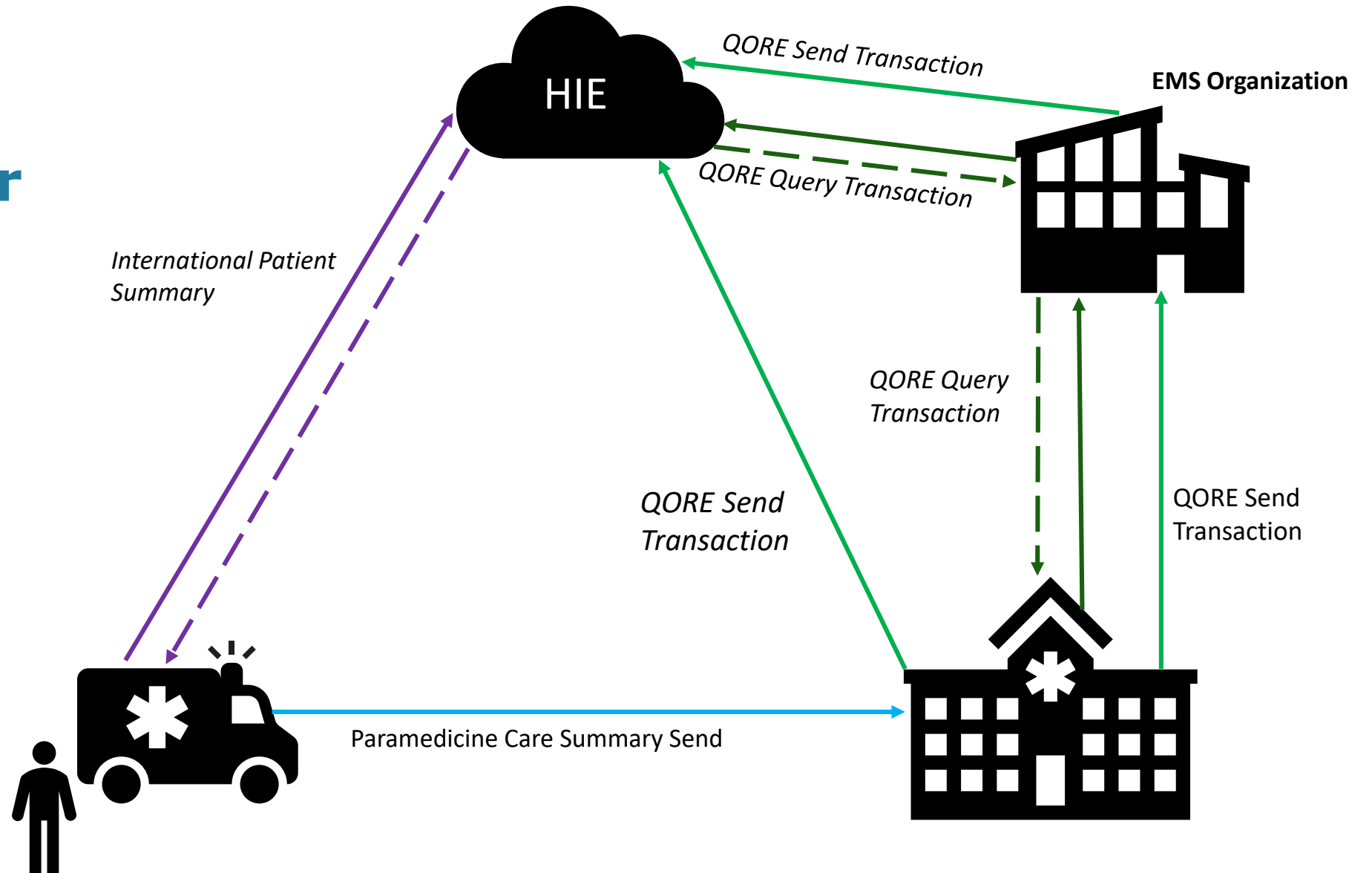**NEMSIS** BETTER DATA. BETTER CARE.

**NEMSIS ANNUAL MEETING 2022**

# 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

HIE

EMS Organization

QORE Send Transaction

QORE Query Transaction

International Patient Summary

QORE Send Transaction

QORE Query Transaction

QORE Send Transaction

Paramedicine Care Summary Send

**Quality Outcomes Reporting for EMS (QORE) Profile**

**Workflow:** Interfacility Transport

EMS Organization

QORE Query Transaction

QORE Send Transaction

QORE Query Transaction

HIE

Paramedicine Care Summary Send

360x Referral for Patient Transport

Referral for Interfacility Patient Transport Query
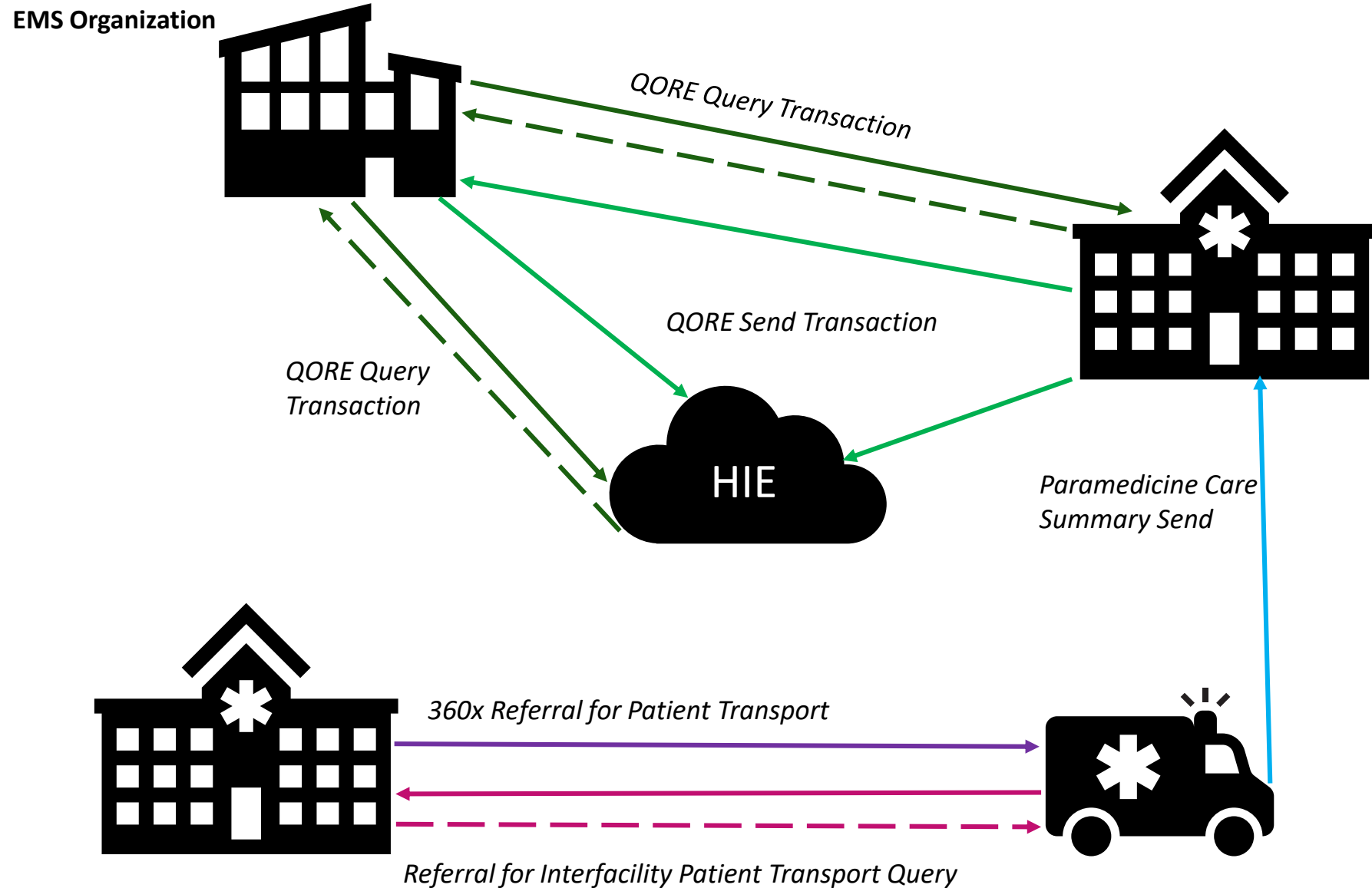
# 2022-2023 Roadmap

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

**IHE
North American
Connectathon**

*Date September 12-16, 2022*

**IHE
North American
Connectathon**

*Date February 6-10, 2022 (TBD)*

**Interoperability
Showcase**

**HIMSS
Global
Conference**

*Date April 10-14, 2023*

## Path to Production / Standards Acceleration Workshops

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

Q3

Q4

Q1

Q2

2022

2023

# How to Engage!

- IHE PCC Technical Committee 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

- 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)
  - Link to meeting: https://www.healthit.gov/news/events/2022-onc-virtual-tech-forum

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# 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