HL7 Welcomes You To

Partners in Interoperability ®
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Why Partners in Interoperability?

- An ongoing program designed to convene decision makers to drive progress on specific interoperability challenges. The meetings will explore 3 topic areas to identify desired business outcomes, describe activities to accomplish these, and work to remove barriers.

- HL7 believes the HL7 FHIR® standard will play a major role in breaking down the current barriers to interoperability.

- Collaboration among stakeholders is essential to make interoperability a reality.
Clinician Topics

Russ Leftwich, MD, Sr. Clinical Advisor for Interoperability, InterSystems
Stan Huff, MD, Chief Medical Informatics Officer, Intermountain Healthcare

- Review topics discussed at last Partners meeting, particularly the expressed need to standardize terminologies and information models across the different specialty societies and related registries
- Provide an overall vision of such standardization, work accomplished to date, lessons learned, the impact this work will have on overall interoperability if accomplished, and the effort required
- Discuss impact such standardization will have on registries
- Develop plans to accomplish this work, including priorities, process for making the work authoritative, and funding.
Value-Based Care Topics

Rahul Dubey, Senior Vice President, Innovation and Solutions, AHIP
Shahid Shah, Co-Founder and CEO, Netspective Communications

- Review topics discussed at last Partners meeting, particularly how to use FHIR to improve quality measures and work accomplished since that time
- Continue work on diabetes use case for quality measures; exploring use of non-clinical determinants of health
- Identify and prioritize other areas under the new value-based care model where payer/provider/vendor/retail pharmacy/dialysis collaboration around the use of FHIR can help lower costs and improve care
- Develop plans to accomplish this work.
Biopharma & Clinical Research

Wayne Kubick, CTO, HL7

- Review progress and explore more details on data flows and priority use cases for repurposing EHR data for use in research and drug safety
- Explore additional high-value use cases for regulatory science (including use of Real World Evidence, Safety Review and REMS), patient-originated data and protocol execution.
- Discuss implementation tasks and future plans, including connectathon feedback, collaborating with EHR vendors, and testing and validation issues.
The Fundamentals of FHIR

- A next generation **standards framework & platform**, built on 30 years of HL7 experience, designed for implementation

- Advanced RESTful Services technology platform (used by Facebook, Twitter…)
  - Can Create, Read, Update and Mark Deletion

- Content based on Resources: essential modular information components easily assembled into working systems.

- Flexible outputs: messages, documents, data, services
Principles of FHIR

- Data resides at the source of truth
- APIs access data: *pull* what you need, instead of only getting what’s *pushed*
- Focus on implementers
- Include rigorous semantics
- Design for the common 80%; extensions for the rest
- Off-the-shelf security and authorization
- Speed, scalability, ease of understanding
- Everything is human readable and free.
The FHIR Maturity Model allows developers to assess the stability of FHIR components and realize the value of FHIR as it evolves.
The Current State of FHIR

- STU3 Ballot comments (~1500) currently undergoing reconciliation
  - Goal is to publish STU3 in Dec. 2016
  - Resources and Profiles moving up in maturity

- Release 4 ballot (in late 2017) will include normative content (infrastructure/framework, some resources (e.g., patient, Observations, Diagnostic report))

- Argonaut IGs to be published by EOY

- Exploring plans for credentialing developers and certifying implementations.
Upcoming FHIR Events

- FHIR Development Days, Amsterdam Nov. 16-18
- Next Connectathon Jan 14-15, San Antonio (before next HL7 Working Group Meeting)
- Next FHIR Apps Roundtable March 6-7 (Duke University, Durham NC)
- Next Partners in Interoperability (March 23-24 (Georgia Tech University, Atlanta, GA)
Workshop Overview - Tuesday

- 9:00 Welcome and Updates
- 9:30 “What does FHIR mean for …?”
- 10:30 Break
- 11:00 The Promise and Reality of FHIR Today
- 12:15 Overview of Breakout Sessions
- 12:30 Lunch (Chesapeake Gallery)
- 1:30 Breakout Sessions
- 3:00 Break
- 3:30 Breakout Sessions
- 5:00-6:30 Networking Reception
Overview - Wednesday

- 9:00 Introductory remarks/Report-outs
- 9:15 The Promise & Reality of FHIR Today
- 10:30 Break
- 11:00 Breakout Sessions
- 12:30 Lunch *(Chesapeake Galley)*
- 1:30 Breakout Sessions
- 2:30 Breakout Final Reports and Q&A
- 3:00 Adjourn
Ground Rules and Logistics

- At breakouts discuss presentations, advance work topics, and make plans for next steps
  - This is an active working meeting
  - Be creative, open-minded, ambitious
- Minute-takers need to be assigned
- Present brief, major findings at report-outs
- Think ahead – Connectathons, next meetings
- Please mingle across tracks during breaks
  - We’re all partners in interoperability.
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Breakout Rooms

• Clinicians: Pullen Plaza (this room)
• Biopharma: Room 31 (level 2)
• Value-based Care: Room 33 (level 2)
• Lunch/Reception: Chesapeake Galley