S&I Framework
Laboratory Results Interface (LRI) Initiative Update
What is the S&I Framework?

- The Standards and Interoperability (S&I) Framework is a forum – enabled by integrated functions, processes, and tools – for implementers and experts to achieve harmonized interoperability for healthcare information exchange.

- It represents one investment and approach adopted by the Office of Standards & Interoperability to fulfill its charge of enabling harmonized interoperability specifications to support national health outcomes and healthcare priorities, including Meaningful Use, the Nationwide Health Information Network, etc.
What is unique about the S&I Framework Approach?

- **S&I Framework Approach:**
  1. Create a collaborative, coordinated process
  2. … to build incremental standards (narrowly-scoped, broadly applicable)
  3. … led by the an open community of industry participants
  4. … who are interested in solving real world problems

- **Value created through this Approach:**
  - Solve real-world issues to enable health information exchange
  - Create leverage for ONC and other initiative sponsors: harness the expertise and passion of the community to solve problems
  - Empower the community: provide tools, coordination, and harmonization that empowers the community to create the best solutions for interoperability and standards adoption (what we call “government as a platform”)
S&I Framework Lab Results Interfaces (LRI) Initiative: Mission and Focus

- **Mission:** To enable ambulatory primary care physicians to receive and meaningfully use standardized structured electronic lab results

- **Focus:**
  - Establish the nationwide *Implementation Guide* for electronic submission of Lab Results to Ambulatory EHRs
  - Build on existing HL7 2.5.1-based lab reporting guides
  - Incremental approach: ambulatory use case today, others later

- **Initiative Objectives:**
  - EHR and LIS vendors agree that they can implement and use the IG while minimizing intermediaries, customization and translation
  - Providers adopt EHRs that conform to the LRI IG, facilitated by Meaningful Use, State HIEs, RECs, and broad product availability
S&I Framework Lab Results Interfaces (LRI)
Initiative: Community & Key Challenges

**Community:** 60+ participants, representing:
- Public Health Agencies and experts
- EHR, LIS and HIE vendors
- Clinical laboratories
- Standards Development Organizations
- IDNs, physicians, other interested parties

**Challenges Tackled:** Broad participant base resulted in a variety of important challenges that were raised and consequently tackled
- Message Structure, vocabularies and value sets
- Pathway for future harmonization with existing HL7 ELR guide
- Other: Success metrics, refined language for “standardized structured data” for Meaningful Use, definition of common data and use case components across problem domains, etc.
S&I Framework Lab Results Interfaces (LRI) Initiative: Outcomes and Next Steps

**Outcomes:**

- Consensus on new HL7 2.5.1-based IG, with some elements of HL7 2.6/2.7 pre-adopted (balloting expected in September)
- IG approach enables flexibility for future harmonization with ELR Guide, while using “profiles” to enable constrained guidance today
- Consensus on use of SNOMED CT & LOINC as vocabularies
- Use of UCUM vocabulary for Units of Measure and SNOMED for specimen information is subject to pilots
- Presented findings to HIT Standards Committee for consideration as a recommended standard for Meaningful Use Stage 2

**Next Steps:**

- Limited Production Implementations (“pilots”) planning underway
- Community-driven PH effort has formed, and is focused on creating a charter that will be presented to ONC in September.
Thank you!

Jitin Asnaani
Coordinator, S&I Framework
Email: jitin.asnaani@siframework.org
Twitter: @siframework