

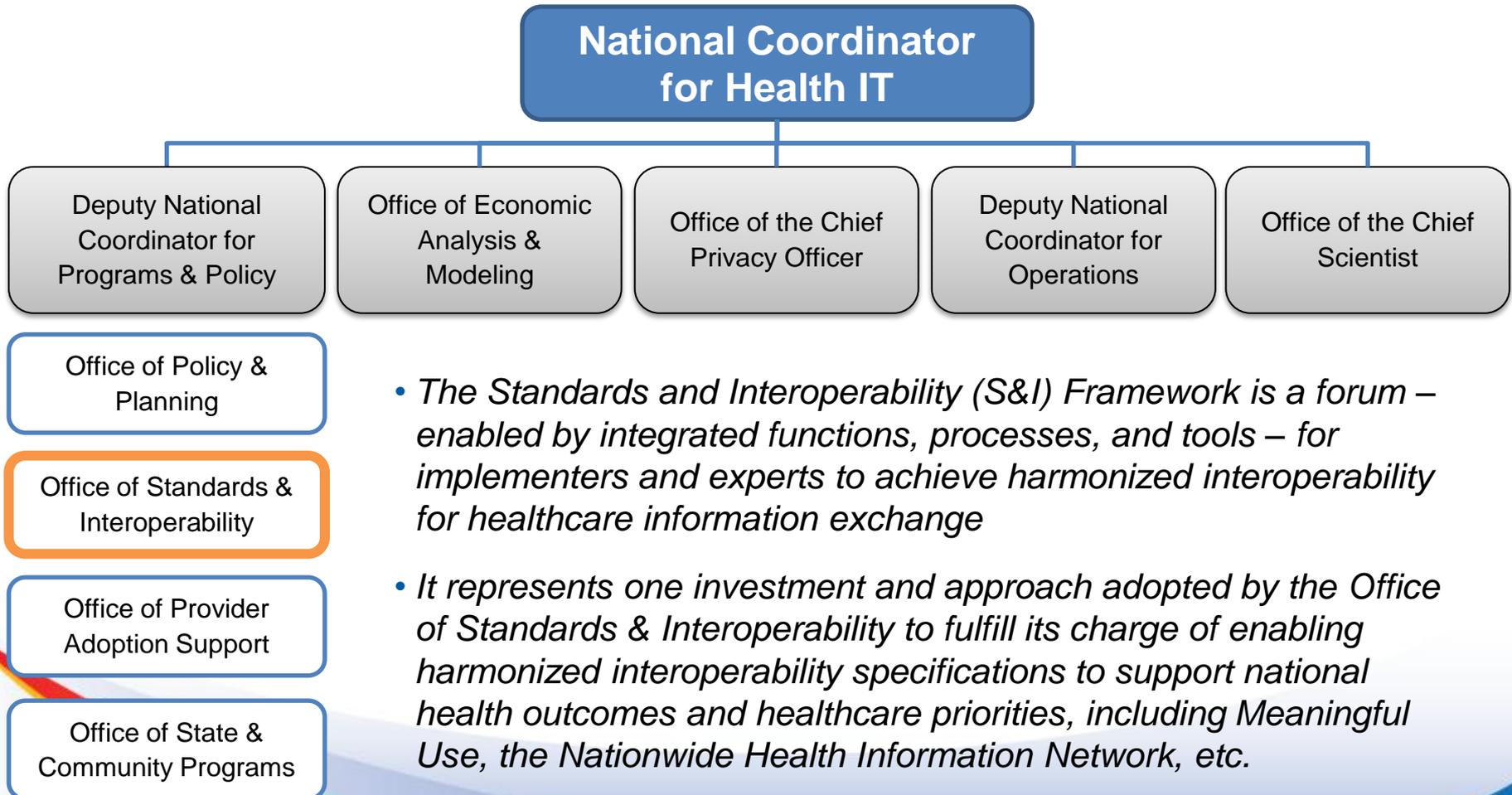


The Office of the National Coordinator for
Health Information Technology

S&I Framework Laboratory Results Interface (LRI) Initiative Update



What is the S&I Framework?



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!

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