HITSP Interoperability Specifications v2.0: Empowering Interoperability

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Agenda

- AHIC Priorities and the Standards Timeline
- Interoperability Specifications Version 2.0
 - Consumer Empowerment
 - Biosurveillance
 - Electronic Health Records Laboratory Results Reporting
- Secondary uses of data empowered by standards

AHIC Priorities and Use Case Roadmap



AHIC Standards Timeline



Standards Harmonization Process



Begin Support

Consumer Empowerment – Registration and Medication History v2.0

Scope

 Deploy to targeted populations a pre-populated, consumerdirected and secure electronic registration summary. Deploy a widely available pre-populated medication history linked to the registration summary

Accomplishments

- Addresses core consumer empowerment enabling "connected PHRs"
- Successful collaborative between HITSP and member organizations including: ASTM, CAQH, CDC, FMT, HL7, IHE, NCPDP, X12, SNOMED
- Harmonization to the CCD medical summary record

Harmonization of the Summary Record

ASTM working on the Continuity of Care Record (CCR)

- Driven by clear business need
- Direct input from clinical care users
- Specifies the "buckets" for data, but not the specifics of the content

HL7 working on the Clinical Document Architecture (CDA)

- Has overarching considerations for many kinds of clinical documents
- Leverages standards to fill data in critical "buckets" to ensure they can be processed and used
- Needs to be scoped down to a practically implemental summary

HITSP membership, without objection, agreed to support the best of both worlds – the Continuity of Care Document (CCD)

- Developed by ASTM, HL7 and other participating organizations
- Scoped by the CCR data needs
- Benefiting from the coordination of HL7 terminologies

Biosurveillance v2.0

Scope

 Transmit essential ambulatory care and emergency department visit, utilization, and lab result data from electronically enabled health care delivery and public health systems in a standardized and anonymized format to authorized public health agencies with less than one day lag time

Accomplishments

- Maximizes data sources and provides stringent data management to ensure proper routing, security, privacy, and timely reporting
- Provides support for different architectural environments
- Addressing gaps with referrals to SDOs through the Foundations Committee
- Aligning with other public health initiatives
- Using the same result message as is used for clinical reporting should improve number of public health cases reported

Electronic Health Record (EHR) - Laboratory Results Reporting

• Scope

 Deploy standardized, widely available, secure solutions for accessing laboratory results and interpretations in a patient-centric manner for clinical care by authorized parties

Accomplishments

- Addresses lack of harmonization among data interoperability standards including vocabulary and laboratory and other messaging standards
- Accommodates both laboratory message transaction and document sharing paradigms
- HL7 and HITSP Lab WG are coordinating activities to complete a lab message implementation guide to meet the AHIC use case requirements

Details of Lab Message which enable reuse

- Use of strong entity identifiers, e.g. ISO OIDs required for assigning authorities
- PV1 and PV2 data, e.g. Employment illness indicator, clinic name, Admission type, discharge disposition, time/date of services, and other physicians (admitting/referring/consulting)
- Terminology standardization across use cases, e.g. Lab and PH/Biosurveillance agreement on LOINCs, SNOMED and UCUM

Details of PV1 and PV2

- PV2-3 Reason for Admit (Chief Complaint)
- PV2-15: Employment Illness Related Indicator
- PV2-23: Clinic Organization name (
- PV2-40: Admission level of care (Acuity)
- PV1-2: Patient Class
- PV1-3: Assigned Patient Location
- PV1-4: Admission Type
- PV1-10: Hospital Service
- PV1-36: Discharge Disposition
- PV1-44: Admit Date/Time
- PV1-45: Discharge Date/time

Next Steps

- AHIC to review and consider HITSP Work
- Finalized HL7 Implementation Guide and HAVE standards to be incorporated into HITSP Interoperability Specifications
- CCHIT continues to incorporate HITSP work into its functional criteria via the joint CCHIT/HITSP JWG
- HITSP moves to next priorities:
 - Security and Privacy for existing v2.0 ISs
 - Emergency Responder Electronic Health Record
 - 3 new Use Cases -- Consumer Access to Clinical Information, Quality, and Medication Management