The Office of the National Coordinator for Health Information Technology

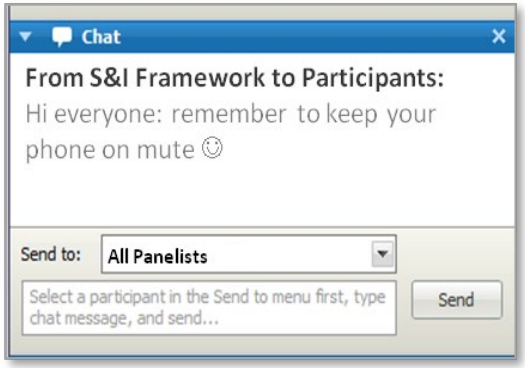
electronic Long-Term Services & Supports (eLTSS) Community Update

November 7, 2019

eLTSS is a joint project of the Centers for Medicare & Medicaid Services (CMS), the Office of the National Coordinator (ONC), and eLTSS community participants made possible by CMS funding

Meeting Etiquette

- **Remember: If you are not speaking, please keep your phone on mute**
- **Do not put your phone on hold. If you need to take a call, hang up and dial in again when finished with your other call**
  - » Hold = Elevator Music = frustrated speakers and participants
- **This meeting is being recorded**
  - » Another reason to keep your phone on mute when not speaking
- **Use the "Chat" feature for questions, comments, and items you would like the moderator or other participants to know**
  - » **Send comments to ALL PANELISTS** so they can be addressed publicly in the chat, or discussed in the meeting (as appropriate)



Agenda

Topic	Presenter
Project Overview	Amber Patel, Security Risk Solutions
eLTSS FHIR Implementation Guide	Becky Angeles, Carradora
September 2019 HL7 Connectathon	Becky Angeles, Carradora
eLTSS Community Engagement	Elizabeth Palena Hall, ONC

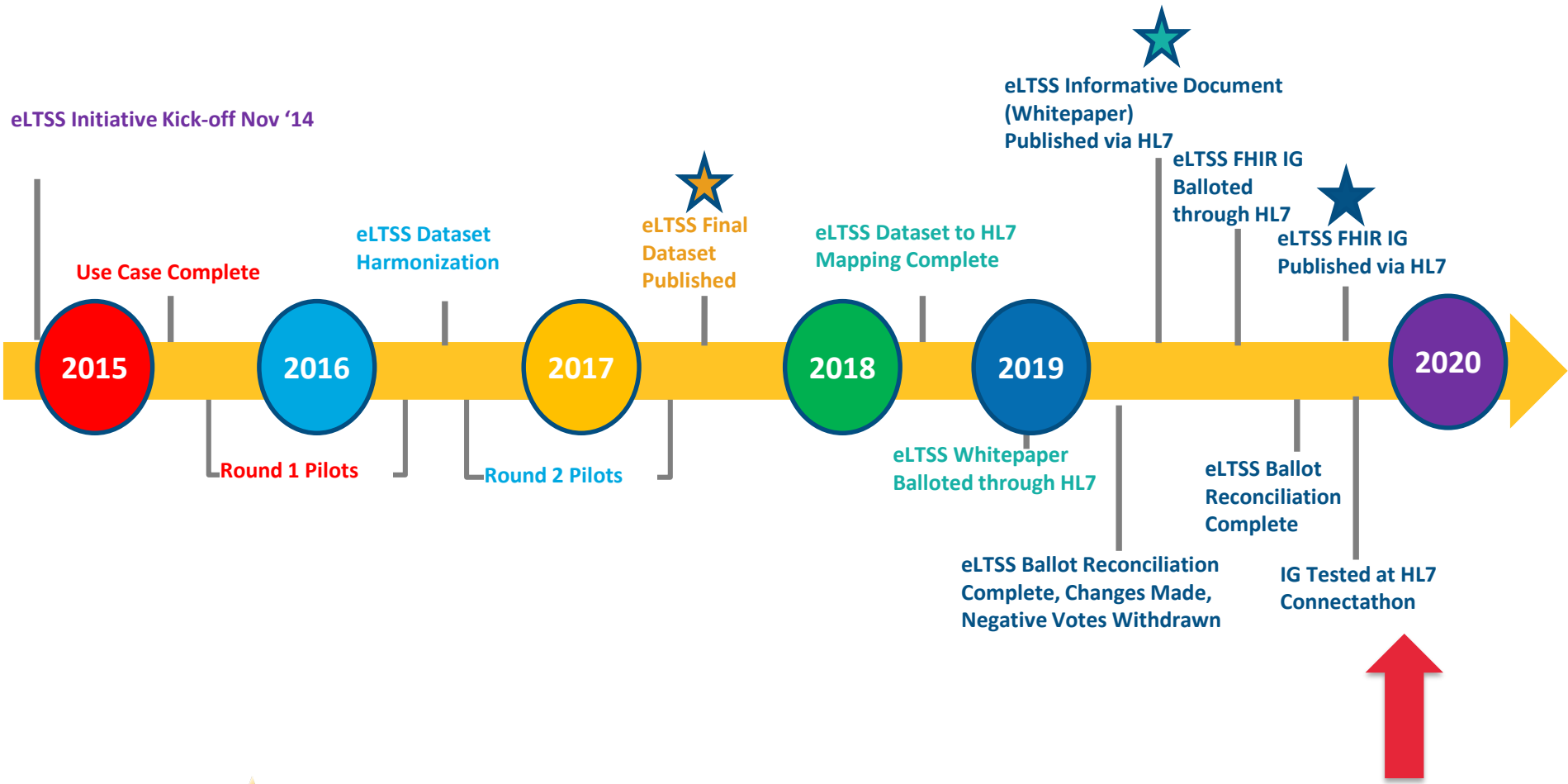
Project Overview

Review of the eLTSS Project

- Phase 1: Identified and harmonized a set of 56 data items (the eLTSS dataset) commonly found on LTSS Service Plans to facilitate the capture and exchange of person-centered LTSS service plan data
- Phase 2: Piloted, identified, and harmonized data items with TEFT grantee states and vendors to validate the eLTSS dataset
- Phase 3: Continuation of Phase 1 & Phase 2 broken into 2 Tracks
  - Track 1: Informative Document
    - The eLTSS Informative Document, officially named "HL7 Cross-Paradigm Information Sharing for Electronic Long-Term Services & Supports (eLTSS), Release 1 - US Realm" describes how the eLTSS dataset enables Home and Community Based Services (HCBS) person-centered service plans to be represented for exchange and sharing using FHIR and C-CDA. The Informative Document was balloted through HL7 and is now available as an HL7 publication.
  - Track 2: FHIR Implementation Guide (IG) and Testing
    - The eLTSS FHIR IG expands the FHIR to eLTSS mapping from the Informative Document into the HL7 FHIR IG structure (Profiles, Extensions, Capability Statements, etc.). The eLTSS FHIR IG has been published by HL7 and was tested at the HL7 September 2019 Connectathon.

To track and review eLTSS Artifacts please see the eLTSS wiki:
https://oncprojectracking.healthit.gov/wiki/display/TechLabSC/eLTSS+Home

eLTSS Initiative At-A-Glance



eLTSS Phase 3 Timeline

- **September 2018 – September 2019**
  - **September 2018 – January 2019**: Balloted the Informative Document, conducted disposition on all comments collected from ballot, and updated the eLTSS Informative Document to reflect comment dispositions
  - **January 2019**: Submitted revised Informative Document to HL7 for publication
  - **February 2019**: Informative Document was officially published by HL7
  - **January – May 2019**: Developed the eLTSS FHIR Implementation Guide (IG) and received all necessary HL7 approvals to be included in the May 2019 ballot
  - **May – September 2019**: Reconciled IG ballot comments, updated, and published the eLTSS FHIR IG
  - **September 2019**: Tested the eLTSS IG in conjunction with community stakeholders at the September 2019 HL7 Connectathon

What's Next for eLTSS?

- Coordinate with the HL7 Community-Based Care and Privacy (CBCP) Working Group (WG) to support the eLTSS FHIR IG
  - Address IG related GForge tracker recommendations
  - Submit GForge tracker recommendations based on testing and partner feedback
- Assist ONC and HL7 with validating the eLTSS Reference Implementation
  - The reference implementation provides a downloadable example of the eLTSS FHIR IG to show how the eLTSS dataset can be represented for exchange and sharing using FHIR
- Provide support to organizations interested in mapping, testing, piloting, or adopting the eLTSS dataset and IG
- Collaborate with initiatives whose objectives overlap with the eLTSS mission
  - PACIO (Post-Acute Care Interoperability)
  - FASI (Functional Assessment Standardized Items)
  - NCAPPS (The National Center on Advancing Person-Centered Practices and Systems)
  - AHRQ/NIDDK eCare Plan for people with multiple chronic conditions

eLTSS FHIR Implementation Guide Overview

eLTSS FHIR IG Overview

- Builds on the Informative Document balloted in January 2019 by using existing FHIR Resources to provide mappings between the eLTSS dataset and existing FHIR R4 elements
- Provides implementers with guidance regarding the conformance requirements for leveraging FHIR to exchange LTSS data among beneficiaries (patients), providers, care team members, and between both non-clinical and clinical systems
- Utilizes US Core and applies other constraints (mostly through the “Must Support” flag)
- Profiles 13 Resources and provides 3 extensions
- Published by HL7 as a standard for trial use (STU) and available at: http://hl7.org/fhir/us/eltss/index.html

eLTSS Testing at the HL7 September 2019 Connectathon

Connectathon Overview / Participants

- Connectathon 22 was held at the Atlanta Marriott Marquis in Atlanta, Georgia on Sept 14-15, 2019
- eLTSS had the following participants on-site:

Name	Organization
Billy Waldrop	VorroHealth
John Byer	Long Term Care Innovation (LTCI)
Tom Laba	Long Term Care Innovation (LTCI)
Ed Castagna	Altarum
Mike Yaskanin	Altarum
Greg White	Security Risk Solutions
Becky Angeles	Carradora

- eLTSS participated in the Care Planning and Management Track of the connectathon
- Altarum developed a use case with specific roles and steps that guided the testing process

The connectathon use case and sample data files are available on the eLTSS Confluence site: https://oncprojectracking.healthit.gov/wiki/display/TechLabSC/eLTSS+Home

eLTSS Connectathon Use Case Event Flow

Step	Actor	Description
1	Beneficiary	Open and log on to the SMART on FHIR portal or mobile app
2	Beneficiary	In portal or mobile app – click on “View Updated eLTSS Service Plan” button
3	Beneficiary Health Portal	To verify that it can interact with the Care Coordinator server, the portal or app requests information about that server (FHIR server conformance statement)
4	Care Coordinator	Provides the requested information (FHIR server conformance statement)
5	Beneficiary Health Portal	Confirms that it can interact with the Care Coordinator server and requests beneficiary identification information (FHIR Patient resource)
6	Care Coordinator	Receives request and returns beneficiary identification information (FHIR Patient resource)
7	Beneficiary Health Portal	Receives beneficiary identification information (FHIR Patient resource) and requests beneficiary service plan data elements (eLTSS FHIR bundle)
8	Care Coordinator	Receives request then returns service plan information (eLTSS FHIR bundle)
9	Beneficiary Health Portal	Receives service plan information (eLTSS FHIR bundle)
10	Beneficiary Health Portal	Extracts relevant information (eLTSS data)
11	Beneficiary Health Portal	Displays service plan information on portal or mobile app
12	Beneficiary	Beneficiary views updated eLTSS service plan in portal or mobile app

Server Transactions Completed During Test

- Posted data to the server containing an LTSS Plan for Betsy Johnson (Betsy is a patient persona developed by the NIH CKD project - which tied us into the Care Planning and Management Track of the connectathon)
- Requested service plan data associated with Betsy (queried for FHIR resources)
- Received Betsy's service plan information (as a FHIR bundle)
- Updated some of Betsy's plan information (within FHIR Observation and QuestionnaireResponse resources)
- Requested Betsy's updated service plan (queried updated FHIR resources)
- Received Betsy's updated plan (as a FHIR bundle)

Connectathon Outcomes

- Successfully retrieved 55 data elements for Betsy (the patient for our use case)
- Sent Betsy Johnson's eLTSS plan to multiple test servers
- Retrieved eLTSS server rules (conformance statement) from the test server
- Captured possible opportunities to further refine the IG

eLTSS Community Engagement

It Takes a Community!

- Thank you for supporting connectathon testing
  - Altarum
  - FEI Systems
  - LTCI
  - VorroHealth
- Thank you for reviewing the IG
  - Altarum
  - FEI Systems
  - Lantana Health
  - Medical Micrographics
  - SMC Partners

eLTSS Community Engagement

- Review the eLTSS FHIR IG
  - http://hl7.org/fhir/us/eltss/
- Download the eLTSS Informative Document
  - http://www.hl7.org/implement/standards/product_brief.cfm?product_id=495
- Join the HL7 CBCP WG weekly calls to learn more about eLTSS
  - Tuesdays 12:00 – 1:00pm ET
  - http://join.freeconferencecall.com/cbhs
  - Conference Audio: (515) 604-9861 / Access Code: 429554
- Pilot the eLTSS FHIR IG
  - If you or your organization is interested in piloting the eLTSS FHIR IG, please contact Johnathan Coleman at: jc@securityrs.com and Becky Angeles at: becky.angeles@carradora.com
- Visit the eLTSS Confluence Page for meeting information and relevant artifacts:
  - https://oncprojectracking.healthit.gov/wiki/display/TechLabSC/eLTSS+Home

eLTSS Project Team Leads

- ONC Leadership Project Leads
  - Stacy Perchem (Anastasia.perchem@hhs.gov)
  - Elizabeth Palena-Hall (elizabeth.palenahall@hhs.gov)
- CMS Project Lead
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- Program Manager
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- Project Managers
  - Amber Patel (ayp@securityrs.com)
  - Greg White (gw@securityrs.com)
- Harmonization Lead
  - Becky Angeles (becky.angeles@carradora.com)

The Office of the National Coordinator for Health Information Technology

Thank you for joining!

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