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

June 13, 2019

eLTSS is a joint project of The Centers for Medicare & Medicaid Services (CMS), The Office of the National Coordinator (ONC), the Testing Experience and Functional Tools (TEFT) Grantee states (CO, CT, GA, KY, MD, MN), 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).

Chat

From S&I Framework to Participants:
Hi everyone: remember to keep your phone on mute ☺

Send to: All Panelists

Select a participant in the Send to menu first, type chat message, and send...

Send

Agenda

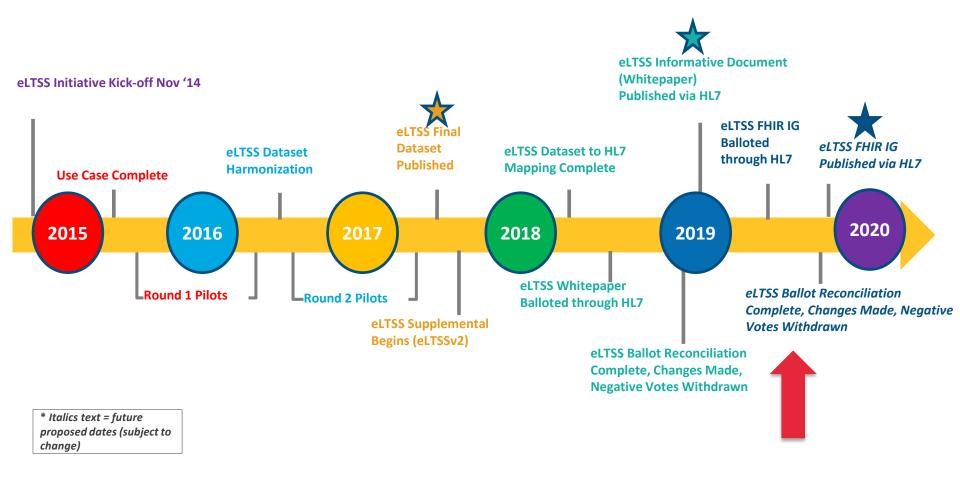| Topic	Presenter
Project Overview	Jamie Parker, Carradora
eLTSS FHIR Implementation Guide	Becky Angeles, Carradora
Recap of eLTSS FHIR IG Development Milestones and May 2019 HL7 Working Group Meeting	Johnathan Coleman, SRS
eLTSS Community Engagement	Liz Palena-Hall, ONC

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Project Overview

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Review of the eLTSS Project

- Phase 1: Identified and harmonized a core set of data items 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, consisting of 56 data elements, 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 was approved by the May 2019 HL7 Ballot. IG content will be tested and piloted in coordination with interested organizations.

To track and review eLTSS Artifacts including the published eLTSS Dataset please see the eLTSS wiki:
https://oncprojectracking.healthit.gov/wiki/display/TechLabSC/eLTSS+Home
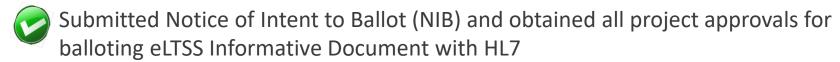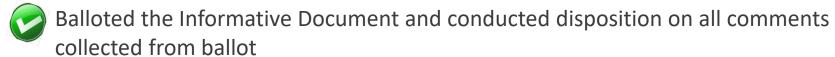
eLTSS Initiative At-A-Glance

eLTSS Initiative Kick-off Nov '14

eLTSS Informative Document (Whitepaper) Published via HL7

eLTSS Final Dataset Published

eLTSS Dataset Harmonization

eLTSS Dataset to HL7 Mapping Complete

eLTSS FHIR IG Balloted through HL7

eLTSS FHIR IG Published via HL7

Use Case Complete

2015   **2016**   **2017**   **2018**   **2019**   **2020**

Round 1 Pilots

Round 2 Pilots

eLTSS Whitepaper Balloted through HL7

eLTSS Ballot Reconciliation Complete, Changes Made, Negative Votes Withdrawn

eLTSS Supplemental Begins (eLTSSv2)

eLTSS Ballot Reconciliation Complete, Changes Made, Negative Votes Withdrawn

* Italics text = future proposed dates (subject to change)

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eLTSS Phase 2 Timeline

- **September – December 2018**

  ✅ Submitted Notice of Intent to Ballot (NIB) and obtained all project approvals for balloting eLTSS Informative Document with HL7

  ✅ Balloted the Informative Document and conducted disposition on all comments collected from ballot

  ✅ Updated the eLTSS Informative Document to reflect comment dispositions

- **January – September 2019**

  ✅ **January**: Submitted revised Informative Document to HL7 for publication

  ✅ **February**: Informative Document was officially published by HL7

  ✅ **January – May**: Developed the eLTSS FHIR Implementation Guide (IG) and received all necessary HL7 approvals to be included in the May 2019 ballot

  » **May – July**: Disposition and reconciliation of eLTSS FHIR IG ballot comments, update and publish eLTSS FHIR IG

  » **May-September:** Pilot / test the eLTSS IG in conjunction with community stakeholders. Participate in September 2019 HL7 Connectathon.

eLTSS FHIR Implementation Guide

eLTSS FHIR IG Overview

- The eLTSS FHIR IG:

  » Provides implementers with online guidance (e.g. logical models, profiles, capability statements and examples) regarding the conformance requirements for leveraging FHIR to exchange LTSS data among beneficiaries (patients), providers, and care team members, and between both non-clinical and clinical systems.

  » Builds on the Informative Document balloted in January 2019 by using existing FHIR resources to provide mappings between the eLTSS data set and existing FHIR R4 elements

  » Utilizes US Core and applies other constraints (mostly through the "Must Support" flag)

  » Profiles 13 resources and leverages two existing extensions: http://build.fhir.org/ig/HL7/eLTSS/extensions.html

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eLTSS FHIR IG Content (1/2)

- **Home Page**
  - » Includes the Introduction (Background, Use Cases), Scope, US Core Dependency, Actors and Credits.

- **Table of Contents**
  - » Includes a snapshot view of all IG content in an outline format.

- **Logical Models**
  - » The purpose of the logical model is to gather requirements from domain experts that can subsequently feed into the design process for profiles and implementation guides. Logical models document the requirements of the LTSS domain without alignment to FHIR.

- **Mappings**
  - » Documents the mapping of eLTSS to FHIR R4 and US Core.

- **Profiles**
  - » A set of rules which allows a FHIR resource to be constrained or include extensions so it can add additional attributes.

- Examples

  » Demonstrates the use of eLTSS profiles.

- Extensions

  » Extends the base resources allowing for specific requirements to be documented.

- Capability Statements

  » Documents a set of behaviors of the FHIR Server and FHIR Client that may be used as a statement of actual server/client functionality or a statement of required or desired server/client implementation.

- Downloads

  » Provides the ability to download the full Package file, an Artifact list, or a copy of the IG so that these artifacts can be implemented or hosted locally.

The ballot version of the eLTSS FHIR IG can be viewed at:
http://hl7.org/fhir/us/eLTSS/2019May

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Recap of eLTSS FHIR IG Development Milestones and
May 2019 HL7 Working Group Meeting

HL7 FHIR Balloting Timeline and Artifacts (1/3)

What Needs to be Done	How Do We Get It Done?	Why Do It?	When is it Due?
Introduce Upcoming Ballot to HL7	• Contact FHIR Management Group (FMG) regarding the proposed IG plans and get insight from them on action needed and solicit their input • Attend the Jan 2019 HL7 WGM and present the IG proposal to the FMG, the CBCP, and other interested WGs (O&O, FM, PC)	HL7 recommends that prior to officially compiling a ballot that a project considering developing a ballot circulate and introduce the idea of the work to the appropriate HL7 work groups. This allows the work groups to provide guidance and feedback before the formal ballot process begins.	1/18/19 (completed)
Project Scope Statement (PSS)	• Modify the existing PSS for the eLTSS Informative Document to include the FHIR IG • Receive approvals from: CBCP WG, FMG, US Realm Steering Committee, Steering Division, Architectural Review Board, and Technical Steering Committee	This form is the formal introduction of our work to HL7 WGs. This form outlines the sponsoring WGs, project team, project scope and need, and any external drivers and dependencies.	1/27/19 (completed)
FHIR IG Proposal	• Complete and submit the IG Proposal to FMG for approval	A FHIR IG Proposal needs to be approved before IG development can proceed.	1/17/19 (completed)

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What Needs to be Done	How Do We Get It Done?	Why Do It?	When is it Due?
Notification of Intent to Ballot (NIB)	• Coordinate with the CBCP WG to complete and submit the NIB to HL7	The NIB officially notifies HL7 of the project's intent to move forward with a ballot for the May 2019 cycle.	1/15/19 (completed)
Functionally Complete IG	• Work with CBCP FHIR Liaison • Download and install appropriate HL7 FHIR IG Tooling • Develop FHIR Profiles • Develop FHIR examples • Populate required IG sections with Content • Validate IG content	To validate and prioritize ballots and to develop the framework to support the ballots, HL7 is requiring a Functionally Complete IG as part of the NIB package.	2/17/19 (completed)
Final Content	• Submit complete FHIR IG to HL7 for QA	HL7 requires a new QA period for all FHIR ballots to ensure ballots are well developed prior to the ballot period.	3/10/19 (completed)
Final Freeze	• Complete and submit final FHIR IG Content (all text, profiles, sample files, etc.) to HL7.	Required by HL7 – ensures the ballot content and structure is ready for ballot opening.	3/24/19 (completed)

HL7 FHIR Balloting Timeline and Artifacts

What Needs to be Done	How Do We Get It Done?	Why Do It?	When is it Due?
Ballot Consensus Pool	• Encourage eLTSS community members to sign up for the eLTSS FHIR IG ballot pool on the HL7 Ballot Desktop	To vote on an HL7 ballot a voter must sign up to be part of the ballot pool. This is similar to voter registration.	2/25 – 3/28/19 (completed)
Ballot Period	• Submit and monitor votes and comments	This is when the formal voting takes place. Anyone signed up for the ballot pool is able to vote.	3/29 – 4/29/19 (completed)
May 2019 WGM	• Held in Montreal (Quebec) Canada • Begin reconciliation process of ballot comments	HL7 requires that ballot results are shared at the working group meeting associated with the ballot. Ballot reconciliation usually begins at the working group meeting.	5/4 – 5/10/19 (completed)
Ballot Comment Reconciliation	• Work with ballot voters and CBCP WG to dispose all ballot comments	Required by HL7 as part of the ballot process.	5/4 – 6/4 (completed)
Modify IG	• Make modifications to eLTSS FHIR IG based on comments	Enhance the specification based on comment feedback.	In Progress
Publish IG	• Publish eLTSS FHIR IG using HL7 tooling	Standard is available for implementation and use.	TBD

eLTSS FHIR IG Ballot Results (before reconciliation)

Voter Type	Affirmative	Negative	Abstain	No Vote
Affiliate	0	0	4	1
Consultant	7	3	6	2
Government / Non-Profit	4	0	40	1
Payor	0	0	0	0
Pharmaceutical	0	0	0	1
Provider	8	0	7	2
Vendor	2	0	24	5
TOTALS	**21**	**3**	**81**	**12**
% of Votes	17.95%	2.56%	69.23%	10.26%
Quorum	89.74%			
Affirmative votes need for approval	15			

eLTSS FHIR IG Comments

- The eLTSS FHIR IG Ballot received 32 comments total

Vote and Type	# of Comments
Affirmative Vote with Typo (A-T)	1
Affirmative Vote with Suggestion (A-S)	16
Affirmative Vote with Question (A-Q)	3
Negative Vote (NEG)	12

- 8 comments were marked as "In person resolution required"

eLTSS Activities during May 2019 HL7 WG Meeting

- Comment disposition began during the May WG meeting in Montreal (Tuesday Q2/Q3)

- The CBCP WG successfully addressed 27 of the 32 comments (including all comments that were submitted with negative votes)

- On Weds Q1, an eLTSS Overview presentation was given to a joint session which included representatives from the following HL7 WGs:

  » CBCP

  » EHR

  » Security

  » FHIR-I

  » SOA

  » Structured Documents

- Reconciliation continued at regularly scheduled CBCP WG meetings (Tuesdays, noon Eastern Time)

eLTSS FHIR IG Ballot Results (Current Status)

Voter Type	Affirmative	Negative	Abstain	No Vote
Affiliate	0	0	4	1
Consultant	10	0	6	2
Government / Non-Profit	4	0	40	1
Payor	0	0	0	0
Pharmaceutical	0	0	0	1
Provider	8	0	7	2
Vendor	2	0	24	5
TOTALS	**24**	**0**	**81**	**12**
% of Votes	20.51%	0.00%	69.23%	10.26%
Quorum	89.74%			
Affirmative votes need for approval	15			

eLTSS Community Engagement

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eLTSS Community Engagement

- 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 engage and learn more about eLTSS
  - » Tuesdays 12:00 – 1:00pm ET
  - » http://join.freeconferencecall.com/cbhs
  - » Conference Audio: (515) 604-9861 / Access Code: 429554
- Visit the eLTSS HL7 GForge Site for ballot-related artifacts:
  - » https://gforge.hl7.org/gf/project/cbcc/docman/eLTSS%20-%20%20ONC%20Electronic%20Long-Term%20Services%20and%20Supports/
- The project is actively seeking pilots to test 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

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HL7 Engagement - Upcoming Working Group Meeting

- The next HL7 Working Group meeting and Connectathon will be held September 14th-20th, 2019 in Atlanta, GA

  - » The HL7 Connectathon will be Sep 14th-15th

  - » The Working Group Meeting will kick off on Monday Sep 16th and run through Sep 20th

- To attend the Connectathon (Sep 14th-15th), the Working Group meeting (Sep 16th-20th) or both (Sep 14th-20th) register at: http://www.hl7.org/events/working_group_meeting/2019/09/

- Early bird registration deadline is Saturday, August 24th, 2019

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eLTSS Links and Resources

- eLTSS Informative Document, balloted by HL7:
  http://www.hl7.org/implement/standards/product_brief.cfm?product_id=495

- eLTSS FHIR IG (May 2019 ballot version):
  http://hl7.org/fhir/us/eltss/2019May/index.html

- Client and server capability statements as defined in the IG:
  http://hl7.org/fhir/us/eLTSS/2019May/capabilities.html

- eLTSS Page on ONC Techlab:
  https://oncprojectracking.healthit.gov/wiki/display/TechLabSC/eLTSS+Home

eLTSS Project Team Leads

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