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 publically in the chat, or discussed in the meeting (as appropriate).

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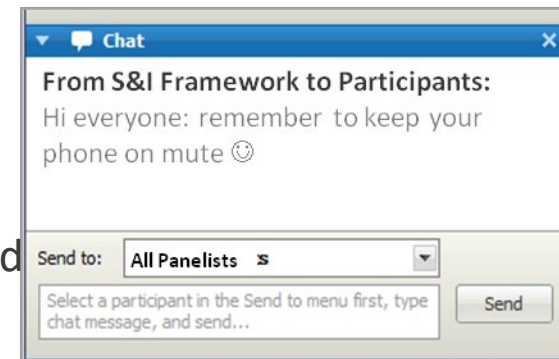Health Information Technology

Agenda

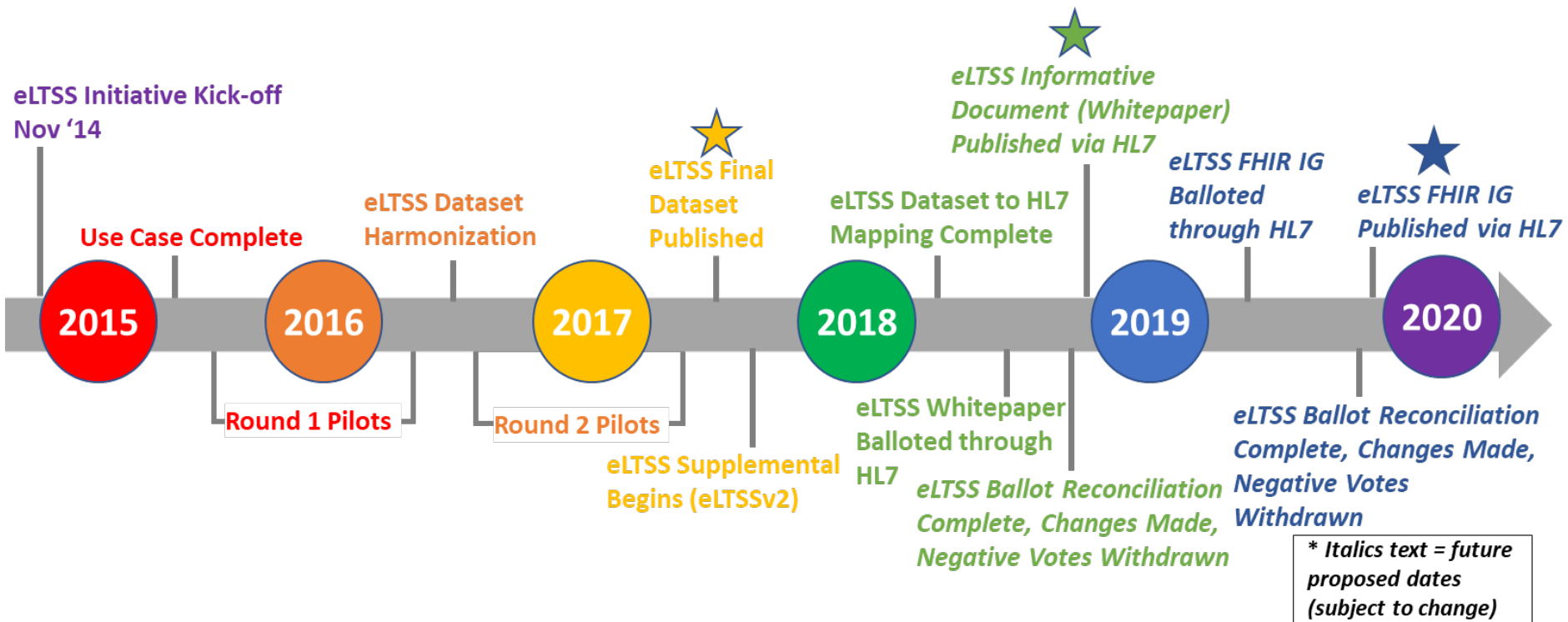| Topic	Presenter
Welcome / Introductions	Stacy Perchem (ONC)
Background and Project Overview	Jamie Parker (Carradora)
Working with HL7	Jamie Parker (Carradora)
Track 1: eLTSS Informative Document	Mark Meadows (Georgia Team)
Track 2: eLTSS FHIR Implementation Guide	Becky Angeles (Carradora)
eLTSS Community Engagement	Jamie Parker (Carradora)
Upcoming ONC 2018 Annual Meeting	Stacy Perchem (ONC)

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Welcome

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Introducing eLTSS Phase 3 Support Team

Name	Role	Organization
Johnathan Coleman	Program Manager for eLTSS 3	SRS
Amber Patel	Project Manager	SRS
Greg White	Project Analyst	SRS
Bonnie Young	Project Manager for TEFT Project State of GA	Georgia Team
Mark Meadows	Technical Business Analyst State of GA	Georgia Team
Irina Connelly	Research Scientist II on GA eLTSS Team	Georgia Team
Jack Wallace	Research Scientist on GA eLTSS Team	Georgia Team
Becky Angeles	Analyst and Harmonization specialist	Carradora
Taima Gomez	Support Team	Carradora
Jamie Parker	SME	Carradora

Background and Project Overview

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eLTSS Initiative At-A-Glance

eLTSS Initiative Kick-off
Nov '14

Use Case Complete

eLTSS Dataset
Harmonization

eLTSS Final
Dataset
Published

eLTSS Dataset to HL7
Mapping Complete

*eLTSS Informative
Document (Whitepaper)
Published via HL7*

*eLTSS FHIR IG
Balloted
through HL7*

*eLTSS FHIR IG
Published via HL7*

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

Round 1 Pilots

Round 2 Pilots

eLTSS Supplemental
Begins (eLTSSv2)

eLTSS Whitepaper
Balloted through
HL7

*eLTSS Ballot Reconciliation
Complete, Changes Made,
Negative Votes Withdrawn*

*eLTSS Ballot Reconciliation
Complete, Changes Made,
Negative Votes
Withdrawn*

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

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Review of the eLTSS Project (Phase 1 and 2)

- The eLTSS project is a joint project between CMS and ONC, established to advance data-level interoperability for the home and community-based services (HCBS) community.

  » The project aim is to advance data-level interoperability for the Home and Community-Based Services (HCBS community) and to facilitate the identification and validation of a data standard for capturing and exchanging person-centered LTSS service plan data.

- Key Accomplishments

  » eLTSS Dataset Published: Collaborative requirements gathering, and harmonization efforts have culminated in the publication of the eLTSS dataset and supporting documentation (e.g. use cases, etc.).

    – The eLTSS dataset contains data items commonly found on LTSS Service Plans and serves as the groundwork for developing electronic means for exchanging LTSS data.

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

eLTSS Current and Future Plans (Phase 3)

- **September – December 2018**

  » **September – October**: Initial Implementer Guidance (eLTSS Informative Document) balloted by HL7:

    – The eLTSS Informative document serves as the initial technical specification for leveraging FHIR and C-CDA Health IT Standards for exchanging eLTSS Dataset items.

    – It served to introduce LTSS needs to the HL7 community.

    – This informative document may be used to support LTSS solution provider pilots who want to electronically exchange a service plan.

  » **November – December**: Republish final Informative Document prior to January HL7 meeting

- **January – September 2019**

  » **January – May**: eLTSS FHIR Implementation Guide: The eLTSS FHIR Implementation Guide is currently under development and is expected to be included in the May 2019 HL7 ballot.

    – This IG provides robust formal guidance on how to leverage FHIR to exchange eLTSS Dataset data. It will also be able to support continued piloting efforts by implementers.

  » **June – September**: eLTSS FHIR IG ballot comments dispositioned

    – The disposition process includes reviewing and responding comments as well as update and republishing the final IG based on comment resolution.

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eLTSS Phase 3 Overview

- The scope of this work will build on previously conducted work that supported development of eLTSS plan standards and further collaboration between ONC, CMS, and TEFT grantees with standards development organizations (SDOs)

- Track 1: Informative Document reconciliation and publication

  » Complete comment disposition

    – the team must bring the proposed dispositions to the HL7 sponsoring workgroup (Community-Based Care and Privacy (CBCP)) to get approval for the proposed dispositions.

  » Workgroup votes on proposed dispositions

  » All approved changes based on dispositions must be incorporated into the final document

  » Final document published

- Track 2: eLTSS FHIR Implementation Guide

  » The Georgia team (Georgia Department of Community Health (DCH) and Georgia Tech Research Institute (GTRI)) and ONC Support team (SRS, Carradora) teams will use the published eLTSS Informative Document as a basis to create an HL7 FHIR Implementation Guide (IG). The FHIR IG is scheduled for the May 2019 HL7 Ballot Cycle.

eLTSS Roadmap 2018 to 2019

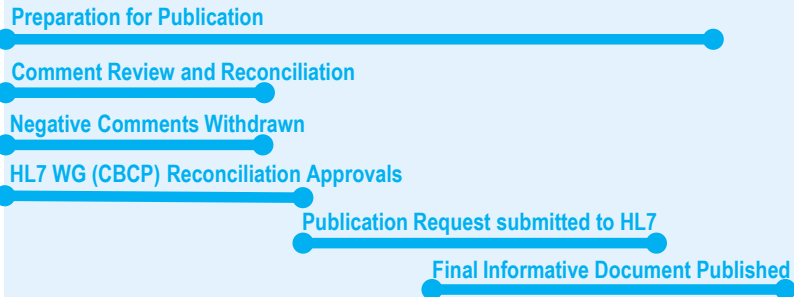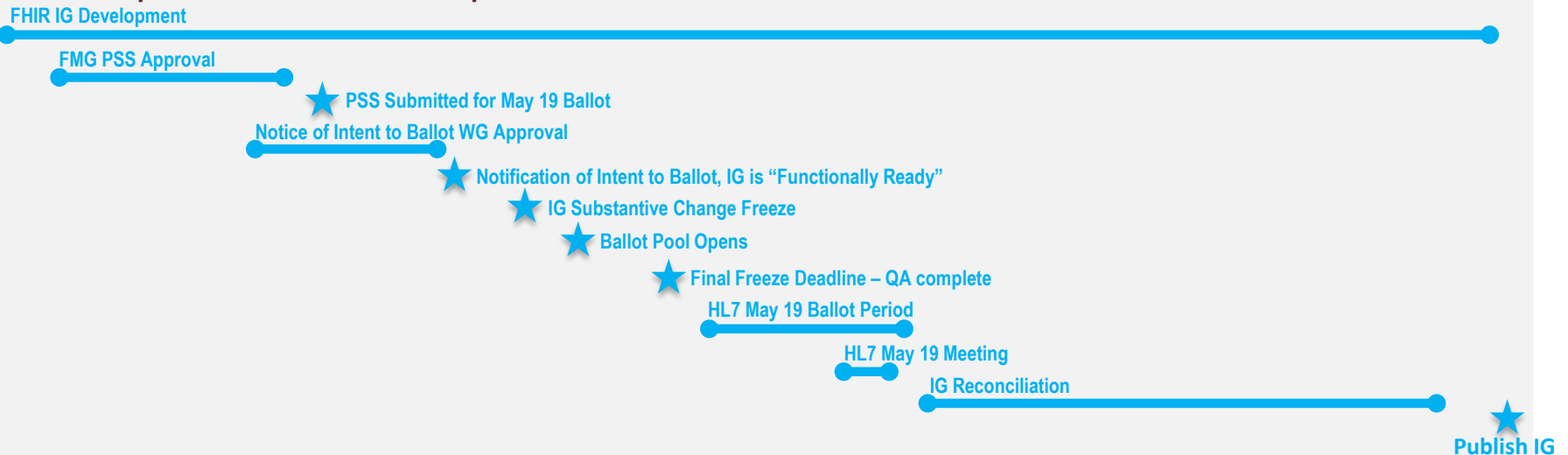| Nov – Dec 18	Jan – Feb 19	March – April 19	May – June 19	Jul – Aug 19	Sep – Oct 19

eLTSS Roadmap: 2018 to 2019

1. HL7 Informative Document Publication Process

Preparation for Publication

Comment Review and Reconciliation

Negative Comments Withdrawn

HL7 WG (CBCP) Reconciliation Approvals

Publication Request submitted to HL7

Final Informative Document Published

2. FHIR Implementation Guide Development

FHIR IG Development

FMG PSS Approval

PSS Submitted for May 19 Ballot

Notice of Intent to Ballot WG Approval

Notification of Intent to Ballot, IG is "Functionally Ready"

IG Substantive Change Freeze

Ballot Pool Opens

Final Freeze Deadline – QA complete

HL7 May 19 Ballot Period

HL7 May 19 Meeting

IG Reconciliation

Publish IG

Timeline Key ★ = Project Milestone   ●— = Project Window

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Working with a Standards Development Organization –HL7

eLTSS Engagement with HL7

- Working with an SDO such as HL7 provides a way to integrate our efforts to enable interoperability for Home and community based services (HCBS) and supports into the broader healthcare interoperability landscape bridging the gap to the larger clinical ecosystem. Being able to leverage an industry recognized standard gives implementers the framework necessary to create interoperability between and across different healthcare entities.

  » http://www.hl7.org/

- Within HL7, our work is being conducted under the guidance of the following workgroups:
  » Community Based Care and Privacy (CBCP)
  » Patient Care (PC)
  » Structured Documents (SD)
  » FHIR Management Group (FMG)
  » Financial Management (FM)
  » Orders and Observations (O&O)

- Participated in the **2018 HL7 September Working Group Meeting**

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Track 1: eLTSS Informative Document

Formal Name Change Requested and Granted

- HL7 requested a name change to the balloted eLTSS White Paper to reflect the intent of the paper which was to inform the HL7 community.

- The eLTSS White Paper name was formally changed to "HL7 Cross-Paradigm Information Sharing for Electronic Long-Term Services & Supports (eLTSS), Release 1".

- Throughout this slide deck we will reference it as the eLTSS Informative Document.

eLTSS Informative Document Contents

- Informative Document: Provide the HL7 Community with context and narrative around how two national recognized standards, FHIR and C-CDA, can be used to represent and exchange the eLTSS Dataset

- Introduction, Objectives and Background
- LTSS Ecosystem Overview and Information Sharing Use Cases
- FHIR and C-CDA for LTSS Service Plan Information Exchange
  - Approach for Selecting Standards
  - Overview of Selected Standards and Mapping Results
  - Exchanging LTSS Service Plans Using FHIR
  - Exchanging LTSS Service Plans Using C-CDA

- Considerations for Future Work
- Appendices:
  - eLTSS Dataset
  - FHIR and C-CDA Mappings
  - FHIR and C-CDA sample instances
  - C-CDA rendered sample
  - Quality of Mapping Legend

HL7 Ballot Voting Results

- The eLTSS Informative Document was balloted through the HL7 September 2018 Ballot Cycle

Voter Role	#
Affiliate	5
Consultant	21
Government/Non-Profit	36
Payor	9
Pharmaceutical	0
Provider	22
Vendor	24
Total	**117**

Vote Type	#
Affirmative	43
Abstain	56
Negative	4
Did Not Vote	14
Total Voters	**117**

» The eLTSS Informative Document achieved quorum and the ballot passed

» A total of 75 comments were received from Voters

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HL7 Ballot Comment Results

- Ballot Comment Results

Comment Type	#
(A-A) Affirmative Vote without Qualification	5
(A-S) Affirmative Vote with Suggestion	28
(A-T) Affirmative Vote with Typo	4
(A-Q) Affirmative Vote with Question	13
(A-C) Affirmative Vote with Comment	10
(NEG) Negative Vote with Comment	14
Blank (unclassified)	1
TOTAL COMMENTS	75

Ballot Comment Reconciliation Process and Metrics

- Ballot Reconciliation Process

  » [Ballot Comment Reconciliation Spreadsheet](#)

  1. GA Team: Draft dispositions for comments

  2. eLTSS Project Team: Review and modify dispositions for comments (Wednesdays) →

  3. eLTSS Federal Partners: Review comment dispositions (Thursdays) →

  4. eLTSS Project Team: Send comment dispositions to HL7 CBCP Listserv for review (Thursdays) →

  5. HL7 CBCP WG: Vote on comment dispositions (Tuesdays)

  6. Repeat as necessary

- Ballot Reconciliation Metrics (as of 11/13/18)

Comments Rcvd	Comments Addressed	Comments Outstanding
75	64	11

Track 2: eLTSS FHIR Implementation Guide

eLTSS FHIR IG Development

- Based on the scenarios articulated in the eLTSS use cases, the FHIR framework is a great fit for enabling eLTSS exchanges due to its focus on streamlined API-based interoperability, flexible and modular approach and comprehensive focus aimed at supporting clinical, administrative and social services workflow needs.

- The eLTSS FHIR Implementation Guide (IG) will provide implementers with online guidance (API specifications, capability statements, and resource profiles) on how to use FHIR to exchange eLTSS data.

- The FHIR IG development process is strict and relies heavily on prescriptive deadlines with each step being dependent on previous steps and outside resources (artifact approvals, tooling modifications/versioning, etc.).

- The goal of this next phase of the eLTSS project is to mature and formalize the details published in the eLTSS Informative Document into the eLTSS FHIR IG which will be balloted as a Standard for Trial Use (STU). An STU balloted IG at provides implementers with comprehensive guidance on how to use FHIR to enable electronic exchange of the eLTSS Dataset data items.

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What Needs Done	How Do We Get It Done?	Why Do It?	When is it Due?
Introduce Upcoming Ballot to HL7	• Contact FHIR FMG of our upcoming plans and get insight from them on action needed • Attend Jan 2019 HL7 WGM to present our upcoming plans to FHIR, 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
Project Scope Statement (PSS)	• Modify the existing PSS for the eLTSS Informative Document for the FHIR IG • Need approval from: CBCP WG, FHIR Management Group (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
FHIR IG Proposal	• Complete and submit to FHIR Management Group (FMG)	Acceptance of proposal will result in the creation of the eLTSS project within the HL7 framework.	TBD
Notification of Intent to Ballot (NIB)	• Work with CBCP WG to complete and submit form to HL7	This officially notifies HL7 of our projects intent to move forward with a ballot for the May 2019 cycle.	2/17/19
Functionally Complete IG	• Work with CBCP FHIR Liaison (John Moerhke) • Download and install appropriate HL7 FHIR IG Tooling • Develop Profiles • Develop FHIR Sample Files • Populate required IG sections with 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
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.	3/3/19
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

HL7 FHIR Balloting Timeline and Artifacts (2/2)

What Needs Done	How Do We Get It Done?	Why Do It?	When is it Due?
Ballot Consensus Pool	• 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.	3/1 – 3/28/19
Ballot Period	• Submit and monitor vote / 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
May 2019 WGM	• Held in Montreal (Quebec) Canada • Begin comment reconciliation of ballot comments (virtually)	HL7 requires that ballot results are shared at the working group meeting associated with the ballot. Ballot reconciliation will often begin at the working group meeting.	5/4 – 5/10/19
Ballot Comment Reconciliation	• Work with ballot voters and CBCP WG to dispose all ballot comments	Required by HL7 as part of the ballot process.	5/4/2019
Modify IG	• Make modifications to eLTSS FHIR IG based on comments	Enhance the specification based on comment feedback.	TBD (based on # of comments)
Publish IG	• Publish eLTSS FHIR IG using HL7 tooling	Standard is available for implementation and use.	TBD (dependent on comments)

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eLTSS Community Engagement

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eLTSS Community Engagement

- Join the HL7 CBCP WG weekly calls to engage in ballot reconciliation review
    - » Tuesdays 12:00 – 1:00pm ET
    - » http://join.freeconferencecall.com/cbhs
    - » Conference Audio: (515) 604-9861 / Access Code: 429554
- Attend the January 2019 HL7 Working Group Meeting (WGM) January 12-18, 2019 in San Antonio, TX
    - » WGM Information / Registration: https://www.hl7.org/events/working_group_meeting/2019/01/
- 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/
- Visit the eLTSS Confluence Page for meeting information and relevant artifacts:
    - » https://oncprojectracking.healthit.gov/wiki/display/TechLabSC/eLTSS+Home

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eLTSS Initiative: Project Team Leads

- ONC Leadership
  - » Stacy Perchem (Anastasia.perchem@hhs.gov)
  - » Elizabeth Palena-Hall (elizabeth.palenahall@hhs.gov)
- CMS Leadership
  - » Kerry Lida (Kerry.Lida@cms.hhs.gov)
- State of Georgia, Department of Community Health Leadership
  - » Bonnie Young (bonnie.young@dch.ga.gov)
- Program Manager
  - » Johnathan Coleman (jc@securityrs.com)
- Project Management
  - » Amber Patel (ayp@securityrs.com)
- Subject Matter Expert
  - » Jamie Parker (jamie.parker@carradora.com)
- Harmonization Lead
  - » Becky Angeles (becky.angeles@carradora.com)

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Upcoming: ONC 2018 Annual Meeting

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ONC 2018 Annual Meeting

- http://event.capconcorp.com/wp/onc2018/

- Date: November 29 – November 30, 2018

- Location: Washington Hilton, Washington, DC

- Breakout session of interest:

  » Friday, November 30th 3:00-4:00 pm ET: Advancing Interoperability in Home and Community Based Services (HCBS)

    – https://www.healthit.gov/news/events/onc-2018-annual-meeting

Thank you for joining!

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