



# Monthly Meeting

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4/15/20



# Agenda

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- Connectathon Planning Update
  - Track Proposal
- Use Case Update
  - Overall
  - Scenes
  - Sample Data
- Data Element Library
  - FASI codes have been added
  - Currently being incorporated into the Pseudo-DEL with FHIR interface
- Functional Status Update
  - Data Model and Supported Assessments
  - Implementation Guide
- Cognitive Status Update
  - Data Model and Supported Assessments
  - Implementation Guide



# Connectathon Planning Update

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- Will be hosted by HL7 and held virtually
- Sandy Vance of AEGIS is leading the HL7 Connectathon preparation efforts
  - Has run many connectathons for HL7 and others
  - Working out the virtual meeting logistics
- Connectathon will be held May 13-15, Wednesday through Friday
  - \*NOT\* during the following weekend as originally planned
- Track proposals have been submitted
  - PACIO-eLTSS Post Acute Care Transition Summary Track
    - <https://confluence.hl7.org/display/FHIR/2020-05+PACIO-eLTSS+Post-Acute+Care+Transition+Summary>
  - Coordinated Care Track
    - <https://confluence.hl7.org/display/FHIR/2020-05+Coordinated+Care+Track>

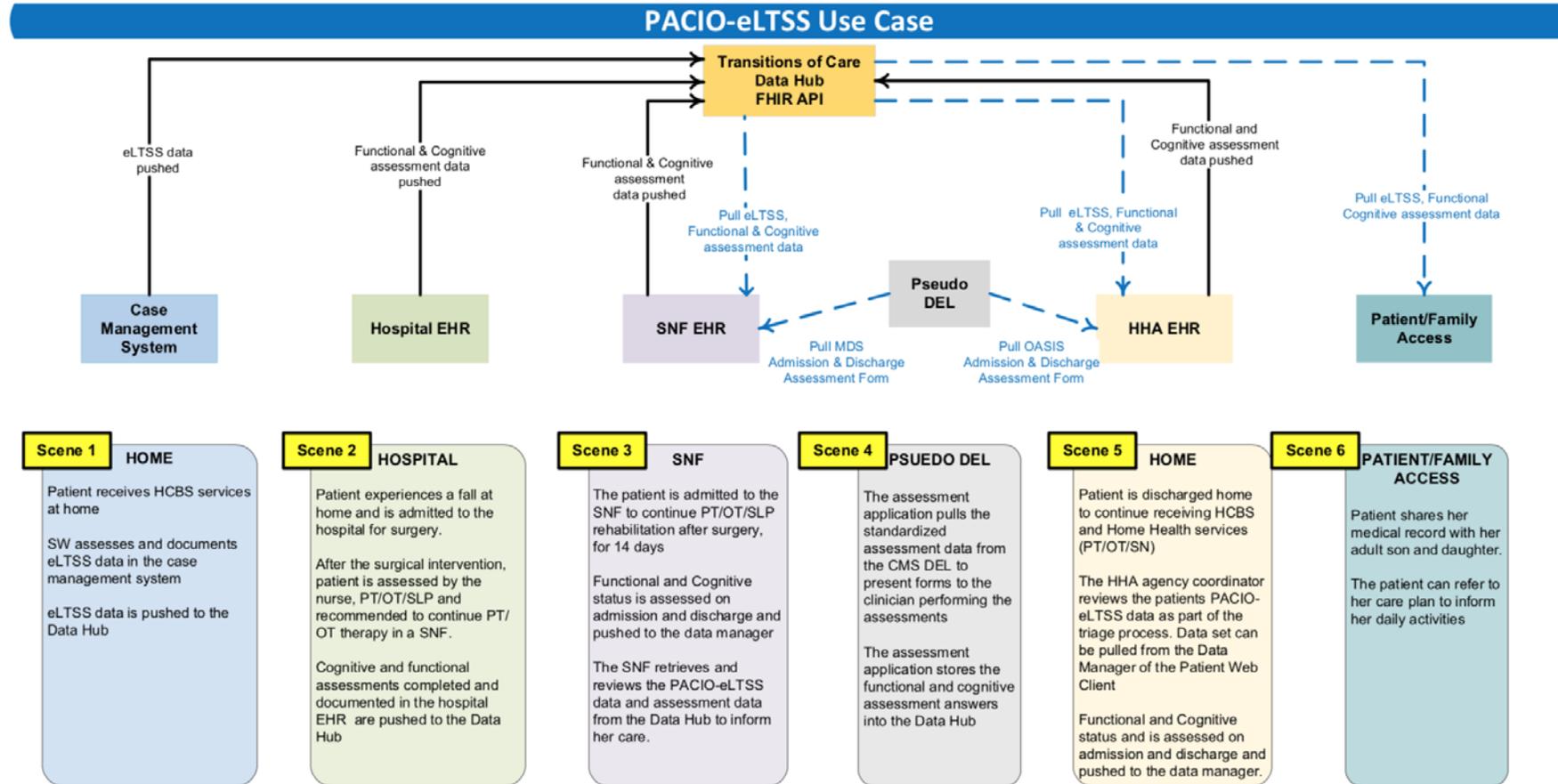


# Use Case Update

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# Overall Use Case



ACRONYMS			
HCBS	Home and Community Based Services	SW	Social Worker
SNF	Skilled Nursing Facility	SN	Skilled Nursing
HHA	Home Health Agency	EHR	Electronic Health Record
PT/OT/SLP	Physical Therapy/Occupational Therapy/ Speech Language Pathology	CMS DEL	Centers for Medicare and Medicaid Services Data Element Library





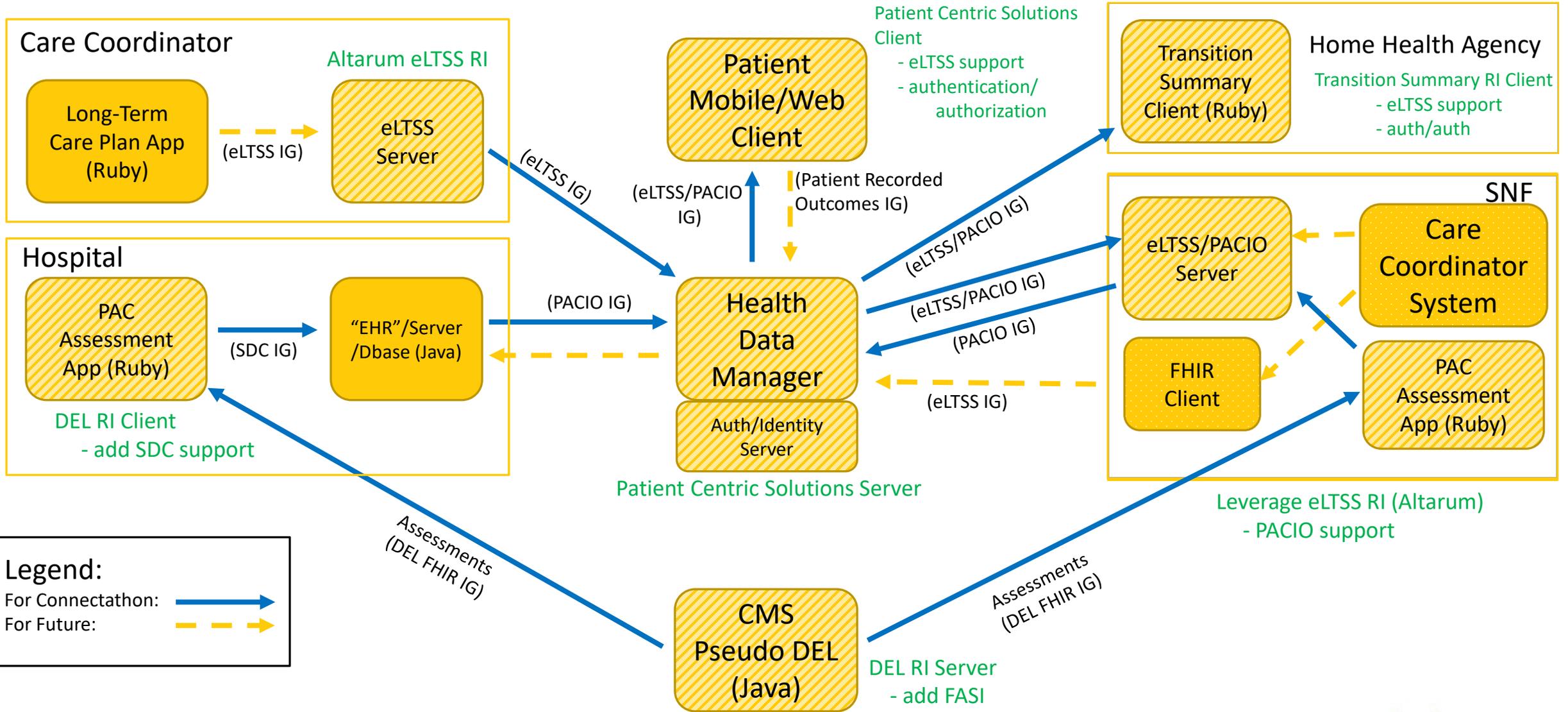
# Use Case Team – Thanks!

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- Siama Rizvi (MITRE)
- Michelle Dougherty (RTI)
- Zabrina Gonzaga (Lantana)
- Leigh Ann Frick (Care Navigation Consulting)
- Forrest White (Altarum)
- Evelyn Gallego (EMI Advisors, Gravity)
- Beth Connor (CMS)
- Lorraine Wickiser (CMS)
- Greg White (SRS)
- Liz Palena Hall (ONC)
- Nancy Lush (Patient Centric Solutions)
- Kristina Celento (EMI Advisors)
- Sheetal Shah (EMI Advisors)
- Becky Angeles (Carradora)
- Jamie Parker (Carradora)
- Jim Kamp (Altarum)
- Matt Elrod (Physical Therapist)
- Jan (Patient Centric Solutions)
- Jan Oldenburg
- Edward Castagna (Altarum)



# May Connectathon Architecture



**Legend:**  
 For Connectathon:   
 For Future:



# HL7 May Connectathon Timeline



<https://confluence.hl7.org/display/HL7/HL7+Calendars>

<https://confluence.hl7.org/display/FHIR/2020-05+Connectathon+24>

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# Functional Status Update

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# Functional Status Data Model for STU1 Ballot

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- Prior Level of Function
- List of Risks and Precautions
- List of Equipment
- Instrumental Aspects of Daily Living



# Functional Data Model for STU1 Ballot

## Prior Level of Function

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- Before current medical conditions/exacerbation for this episode.
- If there has been a prior assessment, that would be available with the specific details (self-care, mobility, etc).
- Since there does not seem to be a standard way that clinicians determine prior level of function, for STU1, a text field will be provided to enter that information.
  - Source of the information
  - If a standard does materialize in the future, that standard can be added to the Functional Status IG in STU2+.



# Functional Data Model for STU1 Ballot Risks and Precautions

CONDITION-ELTSS RESOURCE	
Category	health-concern
Code (SNOMED)	75313008   Orthotic splinting
Evidence (text)	

**Example risks and precautions:** Activity precautions (bed rest, use of orthosis), weight bearing (extremity, status), ROM, swallowing (use of utensils, need for adaptive equipment, modified diet), cardiac (BP, HR, Sternal), fall, cognitive, restraints, safety (wandering), food allergies, isolation, vision

CONDITION-ELTSS RESOURCE	
Category	health-concern
Code (SNOMED)	386806002   Impaired cognition
Evidence (reference, text)	

Bundled  
CognitiveStatus  
Resource

CONDITION-ELTSS RESOURCE	
Category	health-concern
Reference (e.g. Observation)	389270004   Wandering
Evidence (text)	

## List of Condition- eLTSS resources

CONDITION-ELTSS RESOURCE	
Category	health-concern
Reference (e.g. Observation)	40174006   Isolation
Evidence (text)	



# Functional Data Model for STU1 Ballot Observations

FUNCTIONAL TESTS/SCREENS	NOTES
Communication	BO700, BO800
Seating/Positioning	

SELF-CARE FUNCTIONAL TESTS/SCREENS	NOTES
Eating	GG0130A3
Oral hygiene	GG0130B3
Toileting hygiene	GG0130C3
Shower/bathe self	GG0130E3
Upper body dressing	GG0130F3
Lower body dressing	GG0130G3
Putting on/taking off footwear	GG0130H3

MOBILITY FUNCTIONAL TESTS/SCREENS	NOTES
Roll left and right	GG0170A3
Sit to lying	GG0170B3
Lying to sitting on side of bed	GG0170C3
Sit to stand	GG0170D3
Chair/bed-to-chair transfer	GG0170E3
Toilet transfer	GG0170F3
Car transfer	GG0170G3
Walk 10 feet	GG0170I3
Walk 50 feet with two turns	GG0170J3
Walk 150 feet	GG0170K3
Walking 10 feet on uneven surface	GG0170L3
1 step (curb)	GG0170M3
4 steps	GG0170N3
12 steps	GG0170O3
Picking up object	GG0170P3
Wheel 50 feet with two turns	GG0170R3
Wheel 150 feet	GG0170S3



# Functional Data Model for STU1 Ballot Equipment Needed

EQUIPMENT TESTS/SCREENS	
CodeableConcept	FASI
Reference (e.g. Device)	
Reason (text)	

**Examples:** manual wheelchair, motorized wheelchair or scooter, specialized seating (e.g. air-filled, gel, shaped foam), mechanical lift, walker, walker with seat, cane, reacher/grabber, sock aid, orthotics/brace, bed rail, electronic bed, grab bars, transfer board, shower/commode chair, walk/wheel-in shower, glasses or contact lenses, hearing aid, communication device, stair rails, ramps, raised toilet seat, glucometer, CPAP, oxygen concentrator, other, not applicable (no assistive device needed in past month)

EQUIPMENT TESTS/SCREENS	
CodeableConcept	FASI
Reference (e.g. Device)	
Reason (text)	

EQUIPMENT TESTS/SCREENS	
CodeableConcept	FASI
Reference (e.g. Device)	
Reason (text)	

*Conceptual* List  
of Equipment  
Needed

EQUIPMENT TESTs/SCREENS	
CodeableConcept	FASI
Reference (e.g. Device)	
Reason (text)	





# Functional Data Model for STU1 Ballot Instrumental Activities of Daily Living

IADL FUNCTIONAL TESTS/SCREENS	NOTES
Make light cold meal	FASI 11a
Make light hot meal	FASI 11b
Light daily housework	FASI 11c
Heavier periodic housework	FASI 11d
Light shopping	FASI 11e
Telephone – answering call	FASI 11f
Telephone – placing call	FASI 11g
Medication management – oral	FASI 11h
Medication management – inhalant/mist	FASI 11i
Medication management – injectables	FASI 11j
Simple financial management	FASI 11k
Complex financial management	FASI 11l

ADDITIONAL FUNCTIONAL TESTS/SCREENS	NOTES
Pain	Reference to <a href="#">Condition-eLTSS</a> resource
Vital Signs	Reference to <a href="#">Observation-vitalsigns</a> resource



# Functional Status Implementation Guide

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- Latest Implementation Guide
  - <https://paciowg.github.io/functional-status-ig/>
  - Thanks to Patient Centric Solutions for providing feedback on the Implementation Guide



# Cognitive Status Update

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# Cognitive Data Model/Supported Tests for STU1 Ballot

## Supported Tests

COGNITIVE TESTS/SCREENS	NOTES
CAM (Currently included)	
BIMS (Currently included)	
PHQ (Currently included)	
Montreal Cognitive Assessment (MoCA)	Already a LOINC code. Proprietary
Mini Mental State Exam (MMSE)	Still used
Trail Making Test	
Glasgow Coma Scale (GCS)	ICD 10 codes.
FOUR Score	
Ranchos	
Mini Cog Test	
St Louis University Mental Status Exam (SLUMS)	
Brief Cognitive Assessment Test (BCAT)	This is the assessment
Short BCAT	This is the screen
Cognitive Performance Test (CPT)	screen
Allen Scales	Based on the Allen Scales <a href="http://www.allen-cognitive-network.org/">http://www.allen-cognitive-network.org/</a>
Functional Assessment Staging Tool (FAST)	Screen based on GDS
Global Deterioration Scale	Assessment
Rapid Geriatric Assessment	Similar to Allen scale or GDS
4 Item Case Finding Tool	Newer test - subset of MoCA

**APPROVED**



# Cognitive Status Implementation Guide

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- Latest Implementation Guide
  - <https://paciowg.github.io/cognitive-status-ig/>
  - Thanks to Patient Centric Solutions for providing feedback on the Implementation Guide



The PACIO Project is a collaborative effort to advance interoperable health data exchange between post-acute care (PAC) and other providers, patients, and key stakeholders across health care and to promote health data exchange in collaboration with policy makers, standards organizations, and industry through a consensus-based approach.

Learn and share more about the PACIO Project at  
[www.PACIOproject.org](http://www.PACIOproject.org)

