eLTSS Testing at HL7 Connectathon 24

Initial Report Out

The Office of the National Coordinator for Health Information Technology

Agenda

1. Purpose of eLTSS Testing
2. PACIO-eLTSS Track Testing Architecture
3. Scene 1
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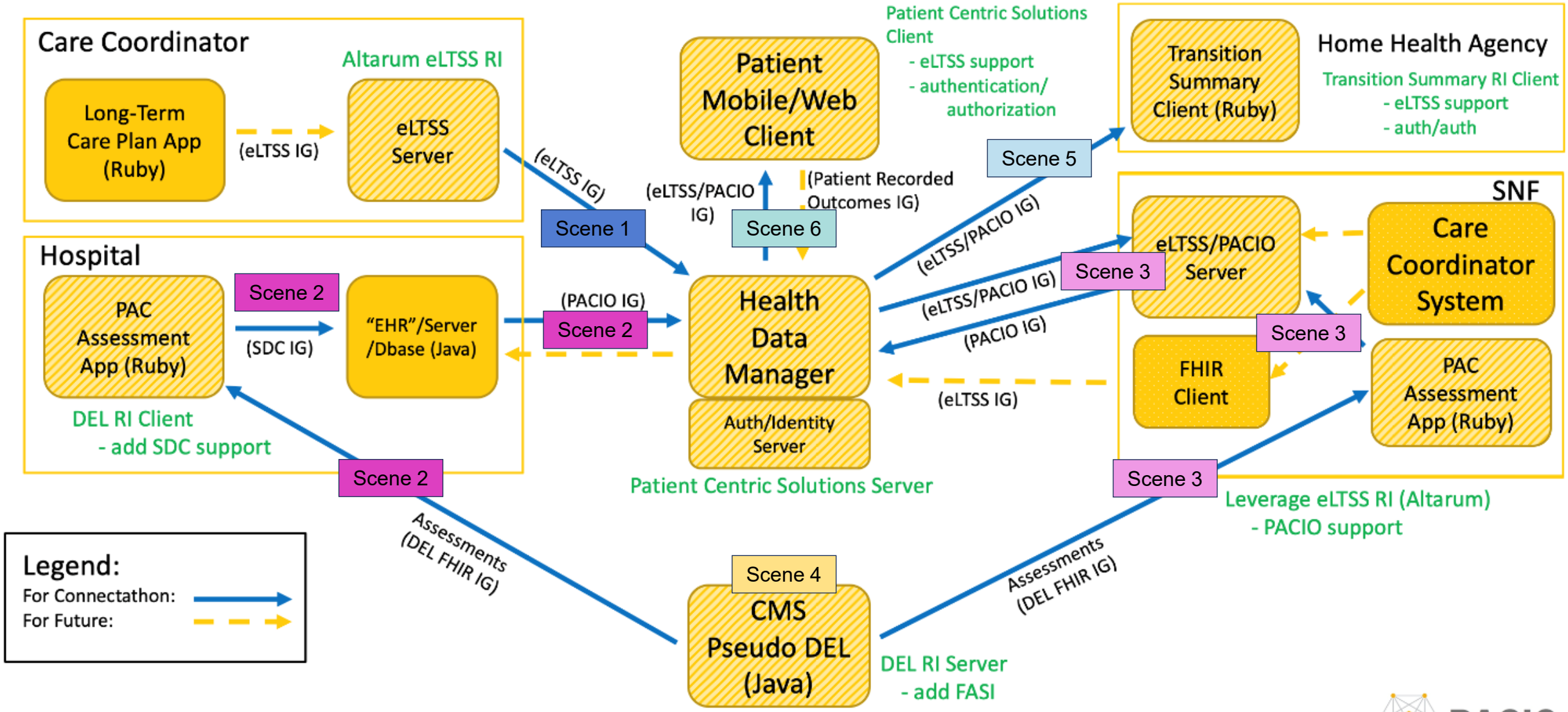
Purpose of eLTSS Testing

- Implement and test the eLTSS FHIR IG within a variety of independently developed systems
- Exchange eLTSS care plans among disparate health IT (HIT) systems and clients, and display care plans in a consumable format for care providers, beneficiaries, and family members

The Office of the National Coordinator for Health Information Technology

PACIO-eLTSS Track Testing Architecture



PACIO

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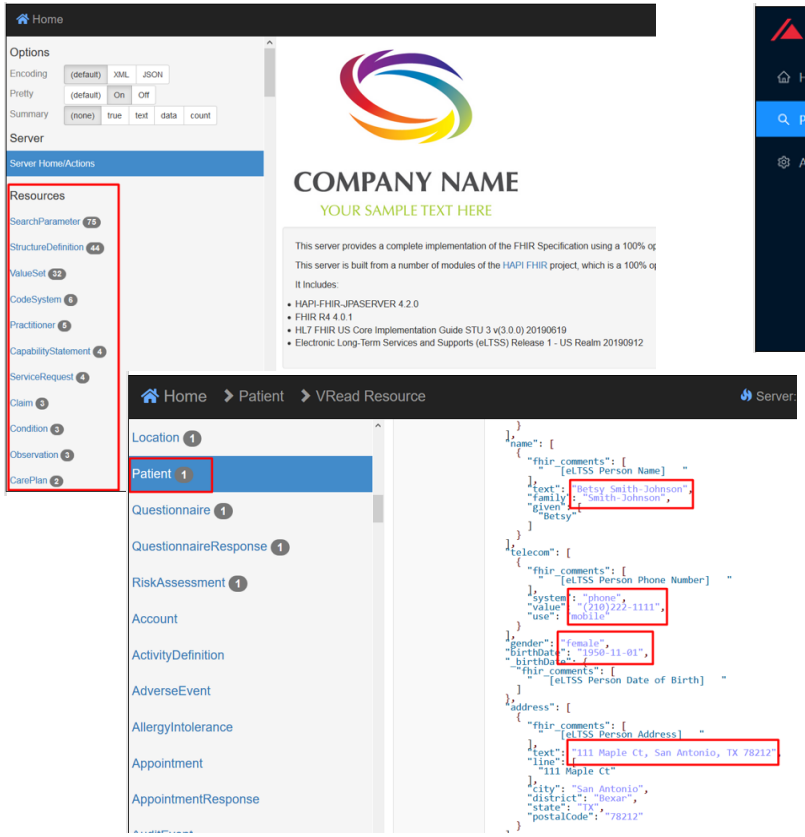
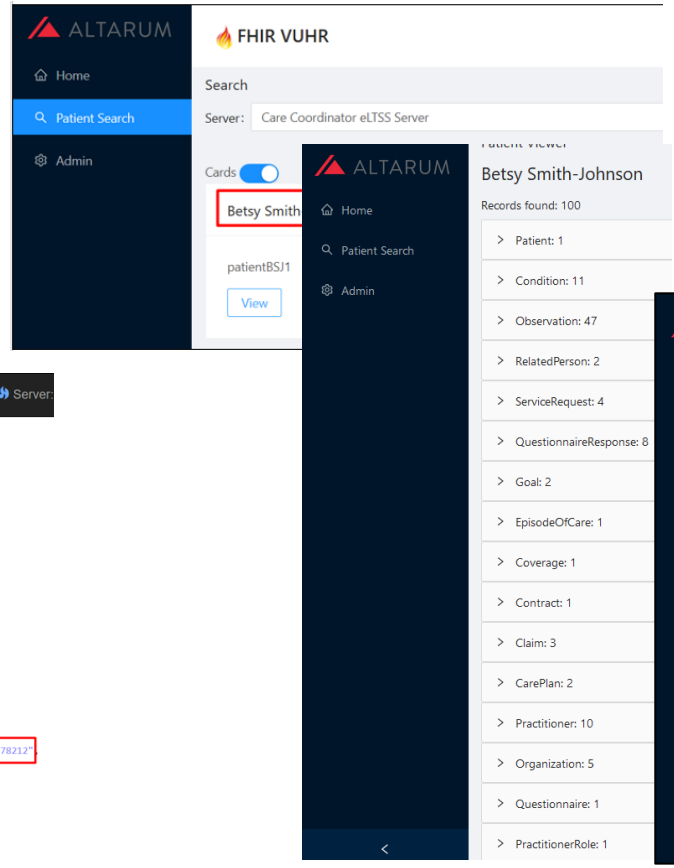
Scene 1

- Ms. Betsy Smith Johnson receives home community-based services (HCBS) services at home. A social worker documents eLTSS data including care plan and goals. eLTSS data is pushed to the Data Hub.

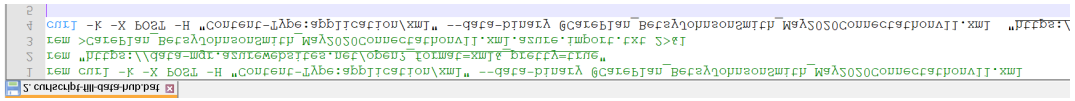
Server



Viewer

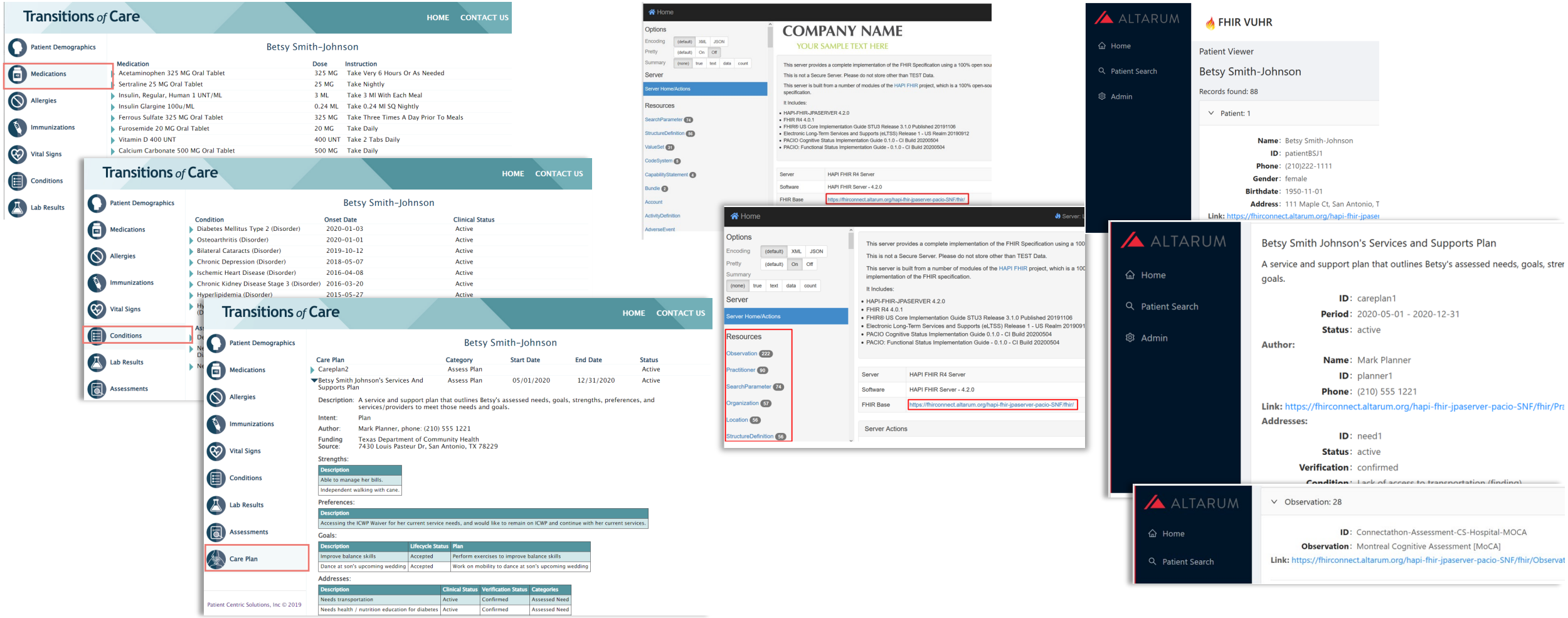


Push to Data Hub



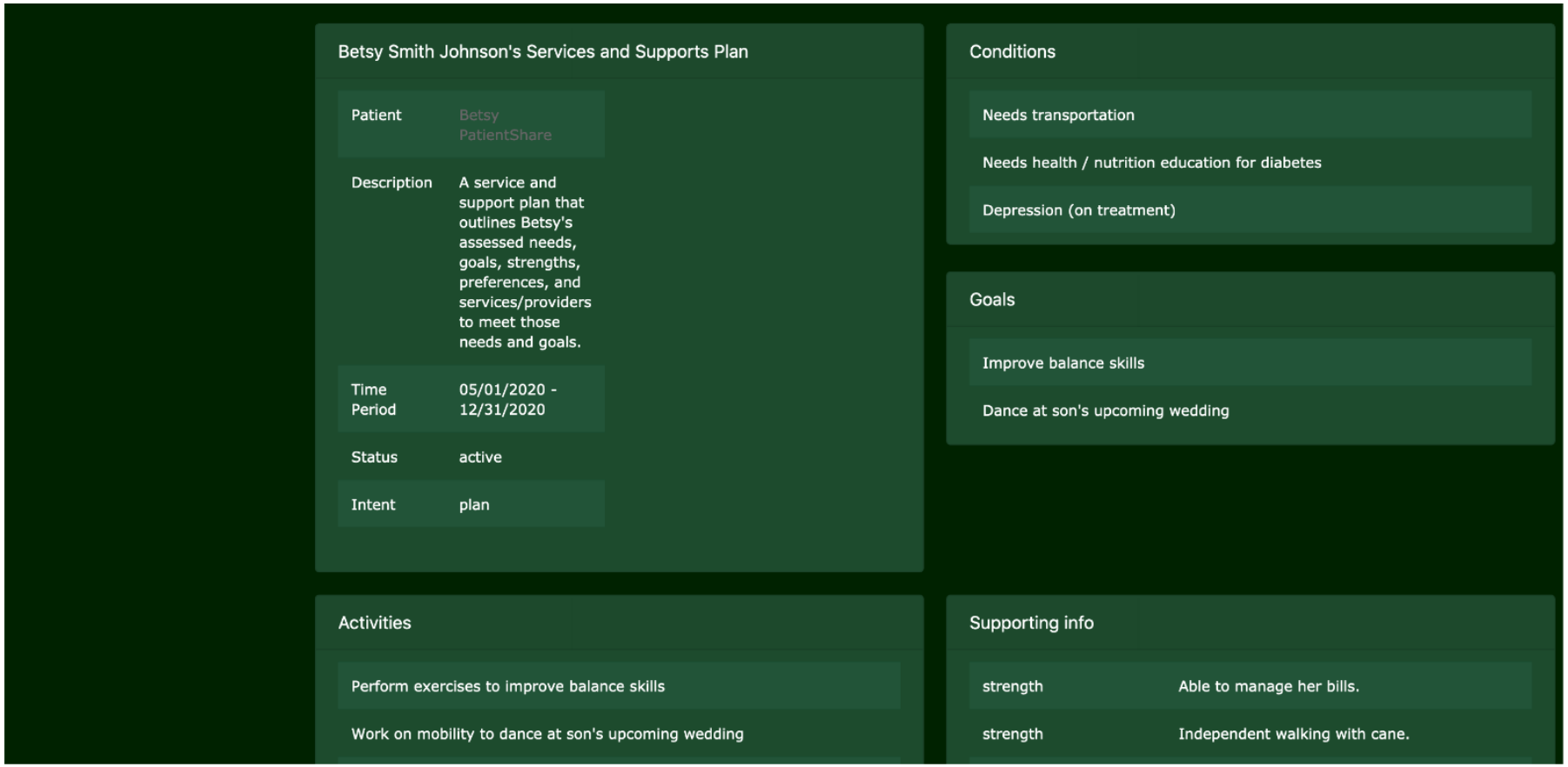
Scene 3

- Betsy is admitted to the SNF for PT/OT/SLP services for 14 days. The SNF retrieves the eLTSS data and assessment data from the Data Manager to inform her care. Functional and cognitive status is assessed on admission and discharge and pushed to the Data Hub.



Scene 5

- After 14 days, Betsy is ready for discharge back home. The HHA agency coordinator reviews the patient's data from the Data Manager as part of the triage process.



Scene 6

- While at home, Betsy and her authorized family caregiver access the eLTSS data and assessment data through a patient mobile/web application.

Transitions of Care

HOME CONTACT US

Patient Demographics
Medications
Allergies
Immunizations
Vital Signs
Conditions
Lab Results
Assessments
Care Plan

Patient Centric Solutions, Inc © 2019

Betsy Smith-Johnson

Care Plan	Category	Start Date	End Date	Status
Careplan2	Assess Plan			Active
Betsy Smith Johnson's Services And Supports Plan	Assess Plan	05/01/2020	12/31/2020	Active

Description: A service and support plan that outlines Betsy's assessed needs, goals, strengths, preferences, and services/providers to meet those needs and goals.

Intent: Plan

Author: Mark Planner, phone: (210) 555 1221

Funding Source: Texas Department of Community Health 7430 Louis Pasteur Dr, San Antonio, TX 78229

Strengths:

Description
Able to manage her bills.
Independent walking with cane.

Preferences:

Description
Accessing the ICWP Waiver for her current service needs, and would like to remain on ICWP and continue with her current services.

Goals:

Description	Lifecycle Status	Plan
Improve balance skills	Accepted	Perform exercises to improve balance skills
Dance at son's upcoming wedding	Accepted	Work on mobility to dance at son's upcoming wedding

Addresses:

Description	Clinical Status	Verification Status	Categories
Needs transportation	Active	Confirmed	Assessed Need
Needs health / nutrition education for diabetes	Active	Confirmed	Assessed Need

Outcomes

- Over 30 participants attended the track
- An eLTSS care plan stored on an eLTSS FHIR server was displayed in a reader-friendly manner in Altarum's Patient Viewer client
- eLTSS data was effectively and rapidly "pushed" from Altarum's eLTSS server to a Patient Centric Solutions data hub
- eLTSS care plan data was successfully aggregated with PACIO data within the data hub
- eLTSS data and PACIO data were "pulled" from the data hub to an Altarum server playing the SNF role and displayed together in Altarum's Patient Viewer client
- eLTSS care plan, along with PACIO data, was "pulled" from the data hub and presented in a user-friendly rendering in MITRE's transitions of care client
- eLTSS care plan was "pulled" to Patient Centric Solutions PatientShare client and displayed in graphicly accessible manner
- Successful data storage, aggregation, exchange, and display demonstrated the interoperability of the eLTSS IG

Looking Ahead

- The project will collect feedback from partners and participants while it considers lessons learned and next steps
- The Inferno validation tool was run against the Altarum eLTSS server. Output suggests that updates to the US Core IG made since the eLTSS IG was published may necessitate some refinement of eLTSS profiles in the next version of the eLTSS IG
- The care plan was preloaded onto the Altarum eLTSS server. Testing an application which collects eLTSS data at the point of care and then uploads that information into the server could add value to future connectathon testing. The project will explore this option with FEI Systems
- Engaging a system which is currently used in the collection and storage of services and support information, such as the FEI Blue Compass system, could prove valuable to future testing

Acknowledgements

This testing and outcomes could not have been possible without the dedicated engagement of the project's connectathon partners

- Altarum
- MITRE
- Patient Centric Solutions

Diagrams and screenshots in this slide deck are attributable to the PACIO-eLTSS Track Report Out presented on May 15, 2020, by MITRE