



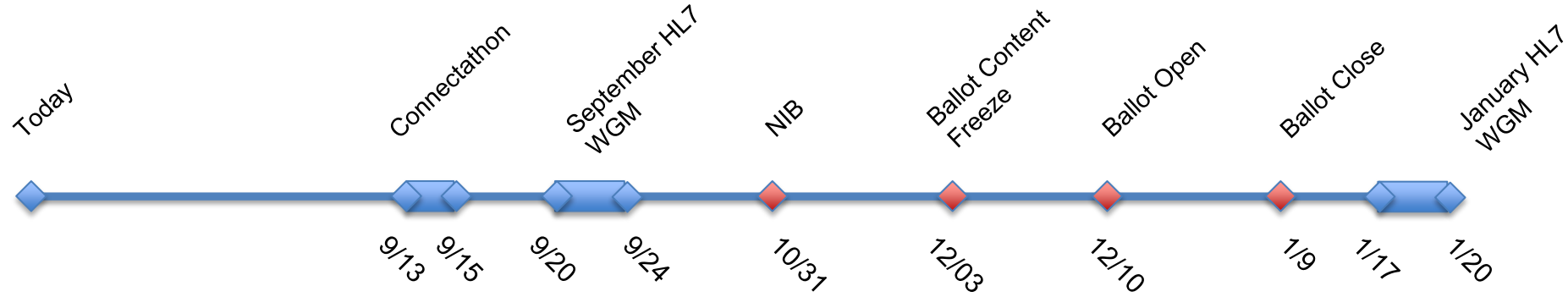
PACIO

ADI Tech Update

2021-09-01



Timeline



Connectathon 28 – Sept. 13-15



Date <i>(2021)</i>	Event
7/21	Track Proposals Due
8/6	Track Schedules Due
8/16	Early Bird Registration Cutoff (\$175 / \$275)
8/30	Registration Deadline (\$275 / \$400)
8/31	Participant Information Session
9/8 1:30PM ET	Track Kick-off Calls
9/13-9/15	Connectathon 28

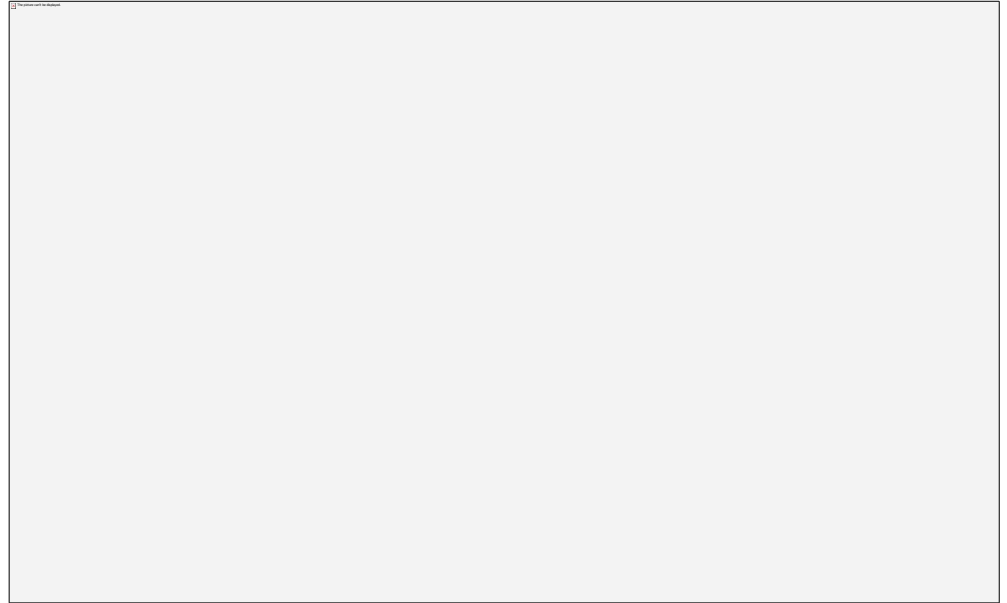
Connectathon Page: <https://confluence.hl7.org/display/FHIR/2021+-+09+Connectathon+28>

ADI Track Page: <https://confluence.hl7.org/display/FHIR/2021-09+PACIO+Advance+Directive+Interoperability>



Focus Areas

- Use Cases 4 (Update) & 5 (Verify current version)
- Authenticated/Authorized Access (Security)
- Contained Document (Snapshot) Communication
- Document Authentication
- Document Versioning
- HCA Authority (Consent)
- Intervention and Care Exp Pref as Goals
- Care Plan





Focus Areas

Focus Area	Scene
Use Case 4 (Update)	2
Use Case 5 (Verify current version)	3
Authenticated/Authorized Access (Security)	All
Contained Document (Snapshot) Communication	All
Document Authentication	2
Document Versioning	2
HCA Authority (Consent or Observation)	2/3
Intervention as a ServiceRequest	2/3

Scenario 1

1. AD Information Creator (Client)
 - A system that creates an ADI IG Conformant set of FHIR resources, stores, and pushes to another system. (An ADI Information Receiver)
 - Advance Preparation: The system will be able to create advance directive documents (FHIR Document Reference or Document Bundle) and send them through a FHIR interface.
2. AD Information Receiver (Server)
 - A system, acting as a FHIR Server, that receives an ADI IG Conformant set of FHIR resources. These resources may be utilized for display or made available for query. (Acting as an ADI Information Repository). As a repository enables the replacement of a document.
 - Advance Preparation: The system will be able to receive and store ADI profile resources through a FHIR interface.

Scenario 2

1. AD Information Repository (Server)
 - A system that stores and makes available for query, ADI IG conformant FHIR resources.
 - Advance Preparation: The system will be able to store ADI profile resources and make them available for query through a FHIR interface.
2. AD Information Retriever (Client)
 - A system that queries an AD Information Repository for advance directive FHIR resources and displays or otherwise uses the information contained within.



Minimum Viable Product - System Roles



System	Scene/ Role	Type
MyDirectives/ADVault Server	2/1, 2/2, 3/1	FHIR Server storing/providing access to advance directive information (ADI)
MaxMD Advance Directives Client	3/2	Mobile client to retrieve and display ADI to patient
MITRE Pseudo EHR (Reference Client)	3/2	Open-source reference client to retrieve and display ADI to provider
MITRE Server	2/3, 3/1	FHIR Server (sample data pre-requisite)
MiHIN	3/1	State HIEs

ADI Major Tasks

ADI Major Tasks



ADI Major Task	Effort (L,M,H)	Benefit (L,M,H)	Must do for STU-1	Comments
Incorporating Adjudication Team Outcomes			Y	
Consent re: HCA authority (powers/limitations)	M		Y	
Consent to share	H			
Data Not provided - data absent or decline to answer reasons	L	H		Scope including only HCA
Security & Privacy	H		Y	
Intervention Resource Type As ServiceRequest	L		Y	
Separate question and answers in Goals (address multi-answer questions)	L	H		
Define Must Support	L		Y	
Document authentication & Digital Signatures	M		Y	Prove unaltered state
Capturing additive contextual information			N	
Most recent document verification (versioning)	L	H	Y	
Coordinate/align with other initiatives Gravity, LEAP, NeCC			Y	
Fully Contained Document Restructuring	M		Y	
Use of CarePlan to communicate condition based GPP	M		?	

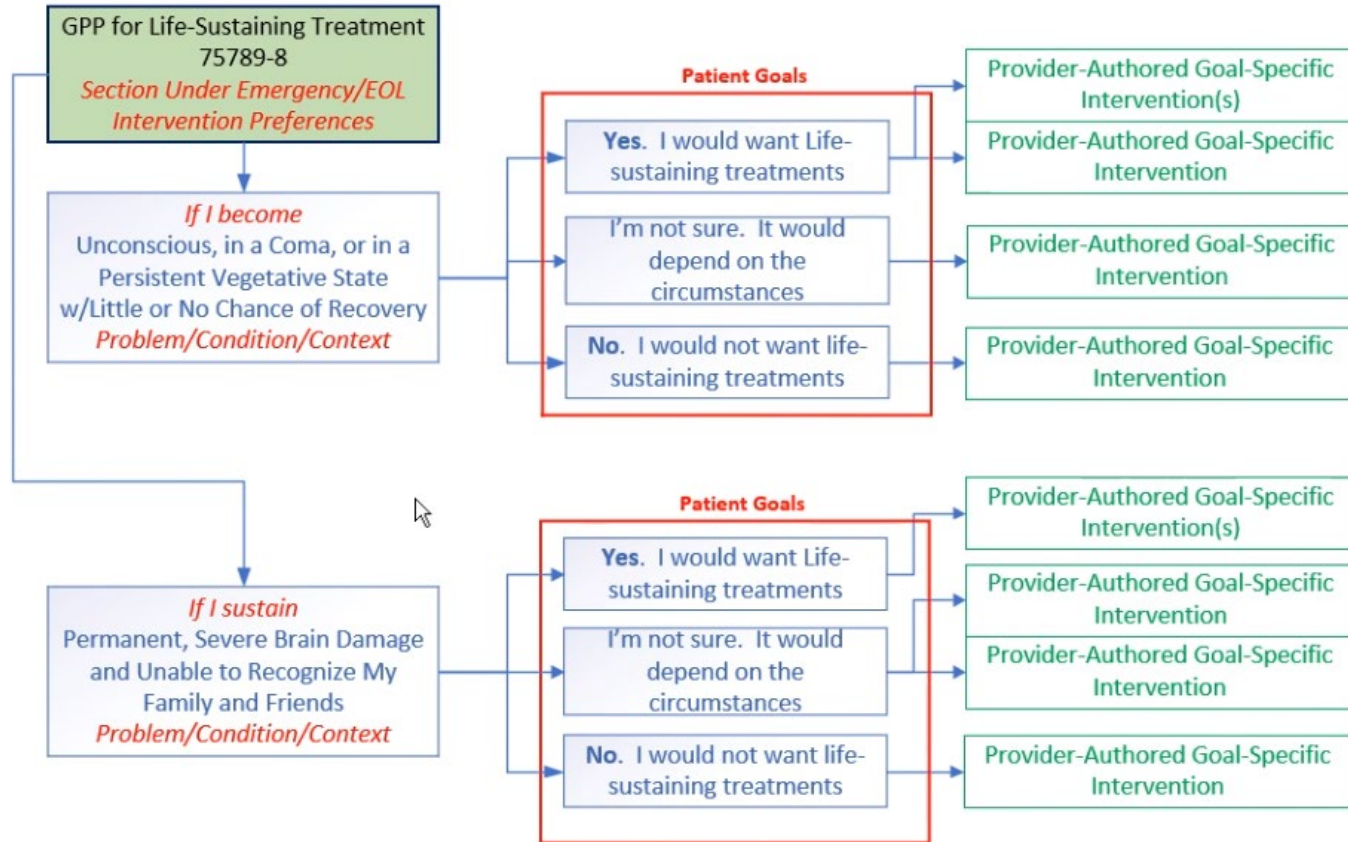
Green = Complete
 Red = Current Effort
 Black = Upcoming
 Gray = Possible future

Major IG Changes

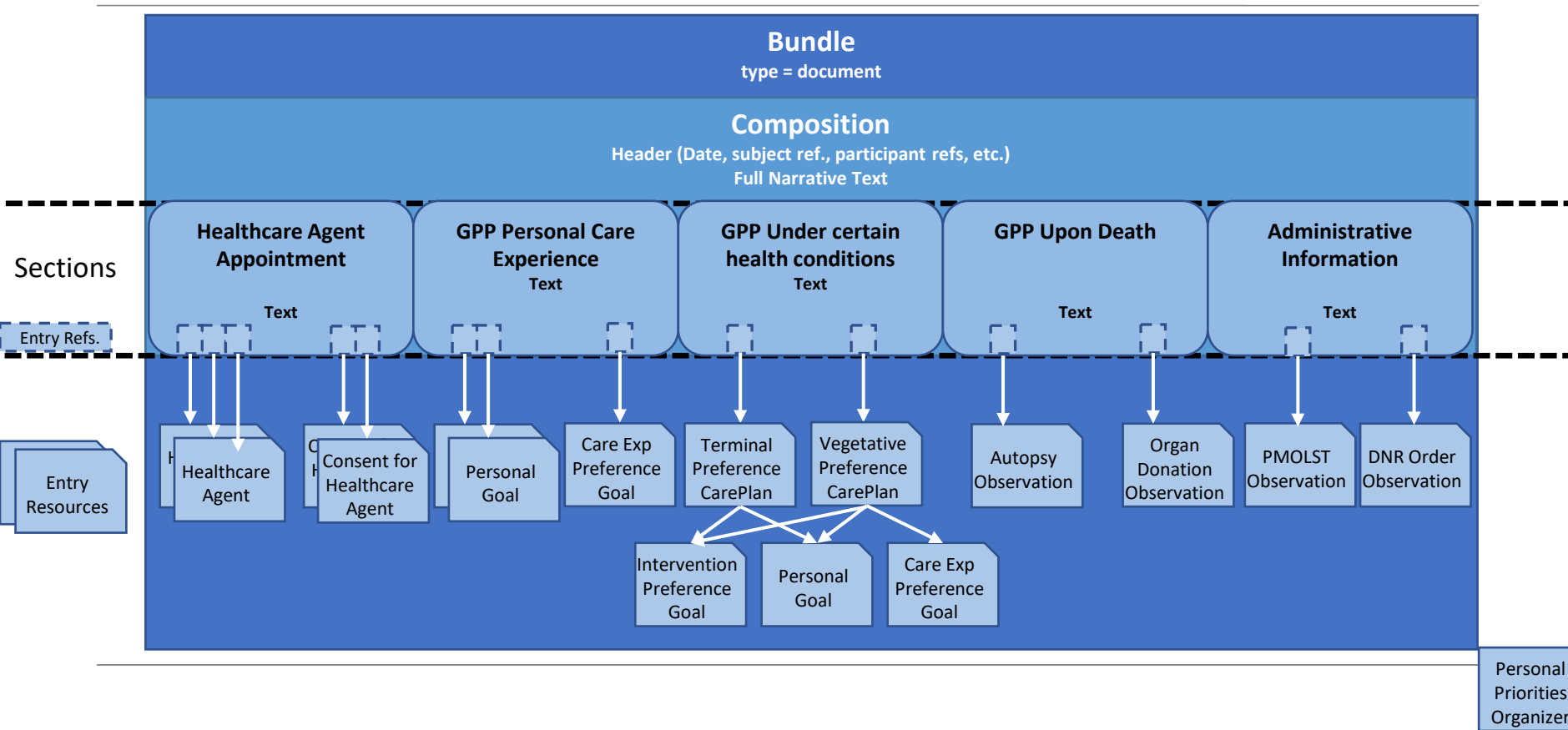


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- Staged: <https://build.fhir.org/ig/HL7/pacio-adi/branches/connectathon-28-CarePlan/>
 - Encapsulated Document Bundle with DocumentReference searching
 - Changed GPP Under Certain Health Conditions to a Preference CarePlan
 - All Preferences changed to Goals of difference kinds (Interventions, care experience Preferences, personal goal)
 - Created Healthcare Agent Consent With Powers & Limitations
 - Added DNR Order to Administrative Section (with PMOLST)
 - Created extension to enable systems multipart answers with context and values separated.
 - Added attester information to include role, date, statement, and signature.
 - Added document jurisdiction
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ADI Person-Authored Treatment/Care Plan – VA Form Example



General ADI FHIR Document Structure



General ADI FHIR Document Structure

