UC-03 Sequence-Diagram-MHDS

Scenario: Patient Portal Retrieves PS from MHD Document Registry – (MHD* IHE Profile).

Assumption: Patient Summary-CA is stored in Central or Local (Decentralized) Document Repository.

Implementation Option 1: This sequence diagram provides the option of using the MHD IHE profile, including a Document Repository actor and supporting HL7 FHIR standards.

Note: Additionally, this sequence diagram include the CA:FMT Interoperabilty Specifications that handle transformations to and from various formats (e.g. FHIR to PDF, CDA, etc.). Further details will be included in the PS-CA Interoperability Specifications. Additionally, the Document Repository in this scenario can be either (1) central or (2) at PS-CA Producer (the source where the document was produced). The Document Consumer actor would query the appropriate repository.

Sequence Diagram Overview:

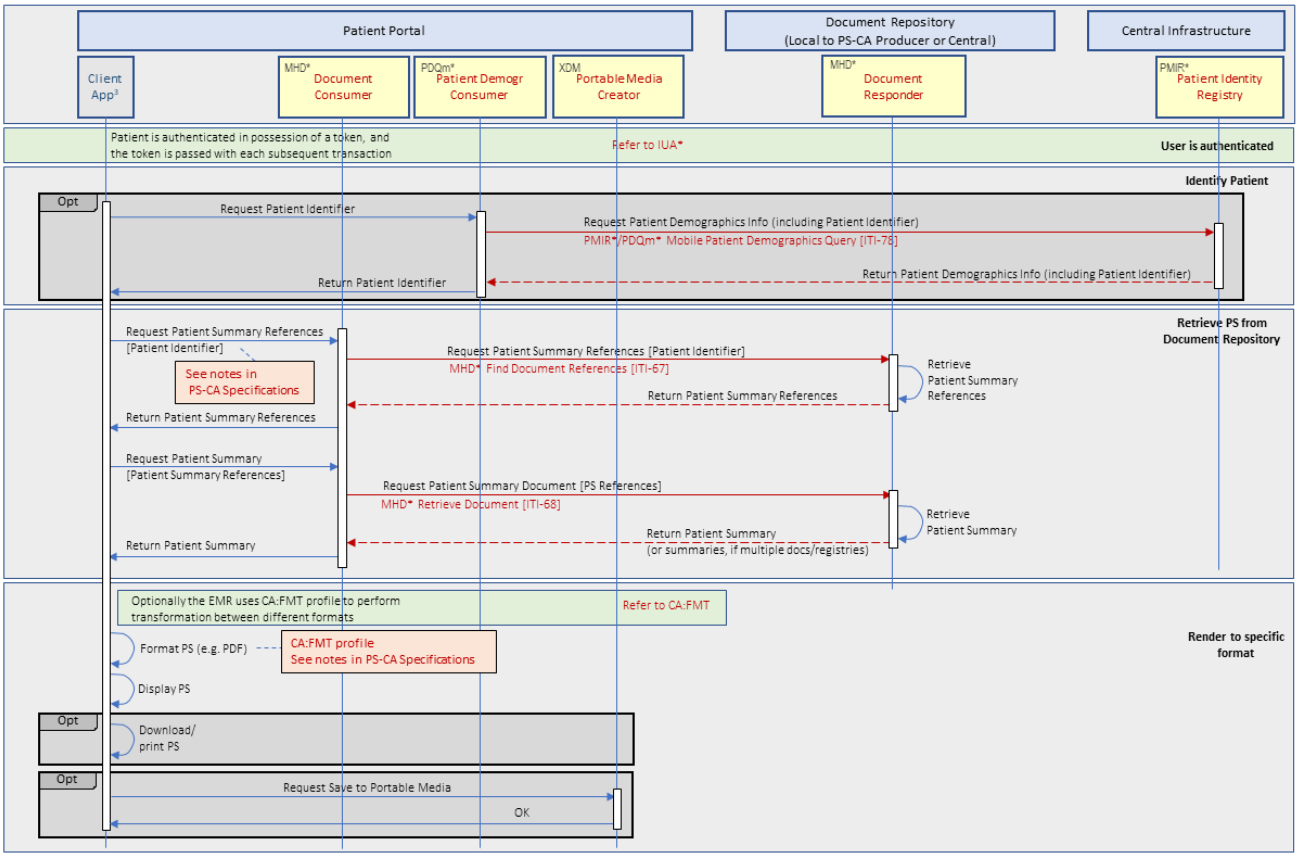
Below provides guidance on how to read the sequence diagram:

- This sequence diagram illustrates how the different standardized actors of systems should interact with each other to carry out specific standardized transactions, and the order in which the transactions and interactions occur when Use Case 3 of the Patient Summary-CA is executed.
- The legend on the bottom right corner describes the different system components, actors and transactions that are necessary to carry out this particular use case.
- The green swim lane is a simplified view of the actors and transactions required by the Foundational IHE Profiles, in addition to the other ones that are not explicitly illustrated on the diagram (e.g. ATNA, CT) but included as a white note. These are pre-requisite conditions for this particular use case and it is assumed that these will be satisfied.
- The blue swim lanes groups sequence of processes (along with their required actors and transactions) that are needed to occur to satisfy this particular use case. These are to be read from left to right and top to bottom.
- The red note boxes describe important call outs, information and notes that provide more context for the sequence diagram.
- More information about those details of the Foundational IHE Profiles can be found here.

UC-03 Patient Views/Obtains Personal PS-CA - MHD

Patient Portal Retrieves PS from MHD Document Registry – (MHD* IHE Profile[2])

PS is stored in Central or Local (Decentralized) Document Repository



Footnotes

2. ITI-66 is mandatory transaction from IHE for the MHD profile; however, it is not covered in the above sequence diagram because the scope of this use case.
3. Examples of the client app can be an EMR, EHR and/or proprietary patient viewer application.

Prerequisites

Client is logged into the system (IUA*)

Client obtained a valid access token from the Authorization Server that is used with each transaction(IUA*)

All communication is done through secure channels (ATNA)

System time is synchronized among all components (CT)

Legend