PHR to EHR simplified flow (inlcude peripheral info)

Participants: ALICE | PHR (resource server Authorization server client) | EHR (resource server Authorization server client) | Primary Care Physician

The following sequence is out of scope for but noted for completeness

- Alice selects a PHR as her source of truth
- PHR asks Alices to create an account. This will require email and valid credit card verification a for registration, a method for MFA
- Alice registers and is identity proofed with PHR using email and credit card transaction verifcaion and provides mobile number for MFA functionality
- Alice is granted access and use of PHR
- Alice adds personal medical history, demographics, insurance, medications and allergies
- PCP registers members of their Office with EHR
- PCP office personnel are granted access and use of EHR

Beginning of use case

- Alice call PCP to make an appointment
- Intial patient information used to create record in EHR
- EHR create intial record and books initial appointment
- PCP office confirms appointment
- Alice arrives at her PCP office for an initial visit at appointed time
- Alice is asked to complete basic registration information and provide insurance card and drivers license
- Alice Completes the forms and provides identifying information
- Clerk scans identifying info into EHR
- EHR updates information with confiramtion back to PCP Alice is now *known to the practice*
- PCP office requests to send an email notification to Alice to start the patient portal process
- Alice provides the email information
- Clerk enters email information into EHR
- EHR sends SMS to Alice phone and an email with link to portal-
- Alice clicks link to intiate authentication process and provide SMS code for binding
- EHR provide a list of approved PHRs as optional use
- Alice selects her PHR
- EHR re-direct Alice to PHR Login
- Alice Logs into PHR
- PHR ask Alice to authenticate
- Alice logs in to PHR
- PHR asks Alice to consent to sharing of information with EHR
- Alice Alice consents to the sharing of her data with EHR
- PHR returns authorization for EHR and assists with redirection to EHR
- Alice sends authorization for EHR's use
- PCP's EHR uses authorization to request personal medical history, insurance, medications and allergiesand other relevant info
- Alice's PHR transmits data as requested
- PCP'EHR asks Alice to confirm information
- Alice confirms information is complete, acknowleges reciept of privacy practices and logs out of app
- EHR sends notice to PCP that the registration process is complete.
- Alice is asked to wait in reception area until called
- Alice is called to exam room for visit and evaluation
- PCP records the clinical findings in the EHR system and orders lab test for a CMP, CBC, Lipid Panel, and Liver Panel
- EHR system sends an email notifictaion to inform Alice that her patient education materials and pre-lab fasting instructions are available through the EHR system
- That evening email from PCP reminds Alice to log in to her PHR and add the new PCP information as a new source
- PHR redirects browser/session to EHR
- EHR ask Alice to authenticate
- Alice logs in to PCP portal
- EHR ask Alice to consent to sharing of information - including notification of updates
- Alice Alice consents to the sharing of her data and notifications
- PCP EHR returns authorization for EHR data and assists with redirection to PHR
- Alice is redirected back to PHR with authroization for EHR data
- Alice's PHR authorization to request encounter information
- Alice's EHR transmits data as requested to pHR
- PHR asks Alice to confirm updated information
- Alice confirms information is complete; logs out of app