Empowering Individuals through Interoperable Medication Lists

Technical Work Stream Meeting

May 25, 2017

Agenda

5 Minutes	**Welcome and Opening Remarks**
5 Minutes	**Session Goals** - Work Stream activities plan - Provider Adoption - New York Presbyterian - Patient Single Sign-on - CareEvolution
15 Minutes	**Provider Adoption Showcase – New York Presbyterian**
15 Minutes	**Patient Single Sign-on Approaches – CareEvolution**
15 Minutes	**Open Discussion**
5 Minutes	**Wrap Up and Next Steps**

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Med List – Goals Recap (For Technical Work Stream)

- **By June 30th, Med List participants should be able to demonstrate expanded connectivity and enhanced usability App features for consumers and patients, and allow individuals' the ability to share medication lists with providers and others.**

  » Additional providers deploying FHIR-enabled systems

  » Improved patient-facing workflow and app features

  » Provider-facing workflow for viewing shared medication lists

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Recap from last meeting – Consistent support of Refresh Tokens in OAuth2

https://oncprojectracking.healthit.gov/wiki/display/OEITIML/Patient+Single+Sign+on+and+OAuth2+Implementation+Discussion

- **Support for "Confidential" apps**: This requirement is identical to the Sync for Science ™ requirements and will enable Apps to obtain "refresh" token from the FHIR servers.

- **Support for "Standalone" launch flow**: This requirement is also present for Sync for Science™ and will ensure that Apps can be launched from outside of the EHR session. This is by far the most common way for patients to begin interacting with Apps which can then subsequently connect with EHRs

- **Support for following Scopes at a minimum**:

  - » **launch/patient:** When launching outside the EHR, ask for a patient to be selected at launch time

  - » **patient/*.read:** Permission to read any resource for the current patient

  - » **offline_access**: request a refresh token that can be used to obtain a new access token to replace an expired one, even after the end-user no longer is online after the access token expires

Tracking Spreadsheet

- Technical Work Stream Confluence

    » https://oncprojectracking.healthit.gov/wiki/display/OEITIML/Technical+Workstream

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Provider Adoption Showcase – New York Presbyterian

Provider Showcase – New York Presbyterian

- FHIR server details

  » Allscripts

- Questions

  » Describe the implementation experience, plans and any challenges?

  » What is your guidance for other implementers that are interested in deployment FHIR servers?

  » How are you planning to gain user experience (Provider and Patients)?

  » Describe future plans

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Virginia Lorenzi, MS, CPHIMS, FHL7

Virginia has over 25 years of real-world Health IT experience with many of those years at the New York-Presbyterian Hospital focused on standards-based interoperability and HIT regulations. She is on the faculty of the Department of Biomedical Informatics at Columbia University where she directs the Certification of Professional Achievement in Health IT. She is also currently working on an ONC grant in which she has developed curriculum on Interoperable Health IT.   She has been active in HL7 since 1994 and serves as an instructor and co-chair for HL7. She was active in the US HITSP and has served as an IHE Connectathon Monitor and has worked in the HIMSS Interoperability Showcase. She has been asked to speak at numerous engagements including AMIA, HIMSS, AHIMA, LI-AITP and at the eHealth Initiative summit. She has testified in Washington, DC on HIT standards and interoperability topics. She has co-authored numerous academic posters and authored a chapter for "A Medical Informatics Executive Primer, Release 3". She is passionate about the importance of HIT standards, is excited and optimistic of a future with interoperable health IT , and maintains a healthy sense of realism about the challenges in reaching this goal.

Patient Single Sign-on – CareEvolution
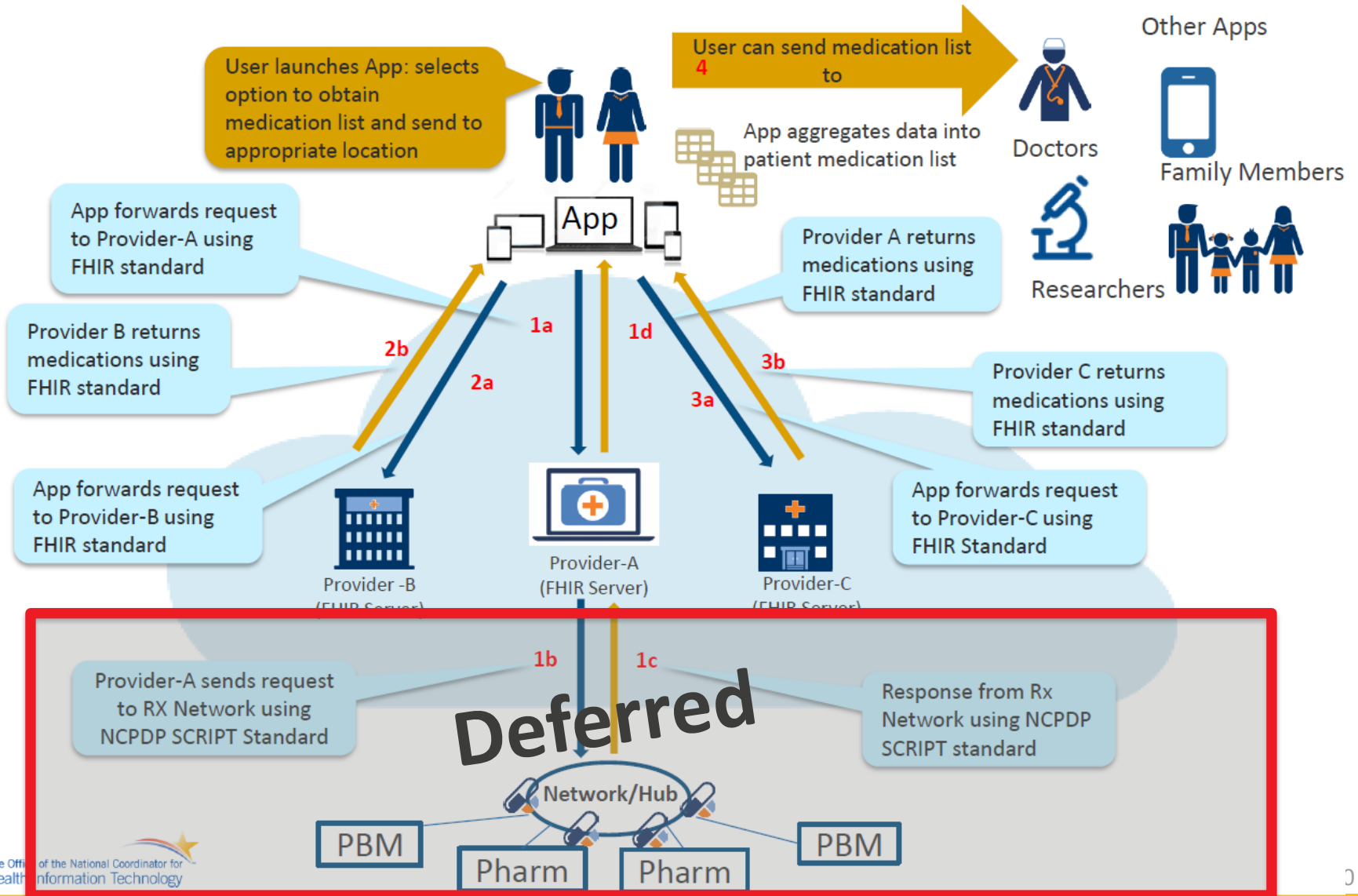
Workflow Details – Summary of Technical Design

- Patient needs to be authenticated and authorized separately by each FHIR server to which the App makes the connection

  » Once patient is logged in, then, the "offline access" scope ensures that the App has access to patient authorized information even after the patient logs out!

- Problem: Patients have to be registered and need to remember separate "login" information to each provider's FHIR server.

- Question: **Can this be improved?**

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Discussion Lead - CareEvolution

- Vik Kheterpal, MD, Principal, CareEvolution, Inc.   Focuses on product management and policy/governance issues related to exchange, aggregation, and usability of health information.

- Michele (pronounced Mi-kay-lay) Mottini, Sr. Architect, CareEvolution, Inc. FHIR Evangelist who leads real world implementation and connectivity initiatives using FHIR and RESTful APIs for CareEvolution

- Other resources who may participate in discussion

  » Steve Patches, Sr. Architect, CareEvolution, Inc. Security Evangelist who focuses on balancing security objectives with ease-of-access and reducing usability friction costs in initiatives such as Single-sign-on and standards based authentication and authorization

  » Eric DeLabar, Sr. Architect, CareEvolution, Inc. Focuses on mobile app development and real-world SSO/Authentication issues.

  » Chris Nowak, Sr. Architect, CareEvolution, Inc. Focuses on mobile app middle tier and server/cloud based issues and overall ecosystem linkages.

Technical Work Stream –Topics

	March 30	April 27	May 25	June 15
Work Stream activities	FHIR Standard Update	OAuth2 Issues	Patient Single Sign-on	**Recap of 1st Sprint – Joint Meeting**
Provider Spotlight		Hackensack Meridian	New York Presbyterian	
Work Steam discussion Topic	FHIR STU3 Changes (Led by FHIR Standard SMEs)	OAuth2 Issues (Led by App and EHR developers)	Patient Single Sign-on,	**Recap from previous meetings, Highlights from stakeholders**
Work Stream Discusses the Future State	Discusses plans for support for FHIR STU3	Discuss approaches to improve patient single sign-on	Discuss approaches to improve patient single sign-on	**Feedback from stakeholders on next Sprint!**

2017 Sprint Cycle
- Joint Usability and Technical Work Stream Meeting - June 15th 3-4PM ET

Discussion Topics for Next Meeting
- Recap of 2017 Sprint Cycle Achievements
- Open Discussion & Stakeholder Feedback
- Next Steps

Refer additional participants by emailing anastasia.perchem@hhs.gov