



The Office of the National Coordinator for
Health Information Technology

Consumer Health Data Aggregator Challenge and Provider User Experience Challenge

Information and Q&A Webinar

March 31, 2016

Today's speakers from the Office of the National Coordinator for Health IT:

Adam Wong, Senior Innovation Analyst

Steve Posnack, Director, Office of Science and Technology

Agenda:


Challenge Background

Overview of Challenge Details


Q&A



ONC and Challenge Goals

- Better health, better care, better value
 - Spotlight areas of high interest to ONC and HHS
 - Direct attention to new market opportunities
 - Increase awareness and uptake of new standards and data
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Interoperability and APIs

- Patient data remains scattered across different sources
 - Digitization of data and its availability through EHRs enables great opportunities for innovation
 - Standardized APIs allow data to be moved and aggregated by clinicians and patients
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Um, “FHIR”?

- Fast Healthcare Interoperability Resources
- Public-private effort led by HL7 -
<https://www.hl7.org/fhir/overview.html>
- RESTful API formatted in XML, JSON
- Project Argonaut



Connecting and Accelerating a FHIR App Ecosystem

- Technology that can pull info from different sources and present it in a user-friendly way is limited
- Community-driven, user-focused innovation to build a stronger health IT ecosystem
- Three-part strategy:
 - Two challenges
 - Discovery Infrastructure for Clinical Health IT Apps Cooperative Agreement – \$275,000, closes April 30


The Two Challenges

- Consumer Health Data Aggregator Challenge
 - Help consumers aggregate their data in one place, under their control
- Provider User Experience Challenge
 - Enable innovative ways for providers to interact with patient health data

App Requirements

- Uses FHIR Draft Standard for Technical Use 2 (DSTU2)
- Leverages data as specified in the 2015 Edition Common Clinical Data Set
- Verified compatibility with different health IT developer systems implemented in production settings, 1 of which must be from the top 10 systems measured by MU attestation per HealthIT.gov. Apps must be integrated with a minimum of 3 unique health IT developer systems in 2 unique provider settings.
- Has been tested with users in production settings
- Available through at least one of the following modes: iOS Store, Android Stores, or direct from web

Phase 1 Submission Requirements

- Mockup/wireframes of the app
 - Technical specifications
 - Business/sustainability plan
 - Provider partnership
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Review Criteria

Phase 1

- Technical feasibility of plan, including number of EHR sources targeted
- Adherence to data privacy and security best practices and applicable law (including HIPAA)
- Strength of business/sustainability plan
- Provider and/or health IT developer partnerships
- (Provider) Impact potential in clinical setting

Phase 2

- Number, sources, and types of data aggregation using FHIR
- Functionality and quality of data aggregation
- Privacy and security of patient data
- User experience and visual appeal
- (Provider) Impact potential in clinical setting

Challenge Prizes

Phase 1

Up to five Phase 1 winners
will receive awards of **\$5,000-**
\$15,000

Phase 2

First Place: **\$50,000**

Second Place: **\$25,000**

Ultimate Connector Prize*:
\$25,000

*The app that connects the greatest
number of unique pairs of EHR vendor
system/provider using FHIR

Plus: recognition, publicity, credibility and reach!

Timeline

Phase 1

Submission Period Begins:
March 1, 2016

Submission Period Ends:
May 30, 2016

Winners Announced:
June 30, 2016

Phase 2

Submission Period Begins:
May 31, 2016

Submission Period Ends:
November 7, 2016

Winners Announced:
December 15, 2016

Questions?

On **challenge.gov**, search for “FHIR”, “consumer”, or “provider”

Consumer Health Data Aggregator Challenge

<https://www.challenge.gov/challenge/consumer-health-data-aggregator-challenge/>

Provider User-Experience Challenge

<https://www.challenge.gov/challenge/provider-user-experience-challenge/>

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