

CARIN Community Meeting

December 7, 2017 | Salt Lake City, Utah

Objectives

The CARIN community, made up of the CARIN Board, Affiliate Members, and Special Guests, met to discuss progress on the Trust Framework and Policy Workgroups, hear updates from NIH and the All of Us Research Program, and discuss key questions the group would like to address in 2018.

Special Guest

Chris Lunt, CIO, All of Us initiative at the National Institute of Health (NIH)

The All of Us Research Program is a precision medicine initiative established and run by the National Institutes of Health to promote a better understanding of unique diseases and gather macro data that may be used to treat various diseases. All of Us is engaging distinct members of the health care ecosystem in enrolling research participants, collecting data, and analyzing information. All of Us has developed protocols for data aggregation and usage as well as privacy and security.

Key Discussion

The CARIN community received updates on key activities for the CARIN Alliance since the last meeting.

CARIN Alliance Progress Update

The group discussed six key questions, answers to which the group will seek to find in 2018:

1. How do we user proof individuals outside of the provider portal using a federated identify structure and open standards?
2. How do we securely authenticate individuals using multi-factor authentication (MFA) without the need for a UN/PW?
3. How do we record electronic consumer authorization in a consistent way to facilitate the delivery of patient health information to a third-party application?
4. How do we record match a patient's existing health information with identifying questions from the EHR that leverages data from installed FHIR resources?
5. How do we create a trust framework that allows for a marketplace of application endorsement and application endorsing organizations?
6. How do we rapidly develop more open standards to release more data to the consumer and their authorized caregiver?

Additional conversation on these six questions raised questions about non-EHR data, including claims information, ensuring that underserved populations and their caregivers have access to information, deployment of 2015 Edition-compliant products, and the current regulatory environment.

Technology and Trust Framework Work Group

The workgroup has discussed several topics that might be considered for inclusion in in the Trust Framework:

- Implement the Argonaut FHIR Profile - As an international standard with many different code-sets, the industry should focus on consensus best practices such as the Argonaut FHIR profile.
- Implement the SMART on FHIR Authorization - The SMART on FHIR Authorization flow defines how the patient's ID is passed to the application along with an OAuth2 access token.

- Standardize User Info API - Even if a data provider is not implementing OpenID Connect (OIDC), data providers should still implement the UserInfo Endpoint in accordance with OIDC. Include the patient field in the UserInfo endpoint response.
- Implement OAuth2 Discoverability - Even if a data provider is not implementing OpenID Connect (OIDC), data providers should implement OIDC Discovery (i.e the /.well-known/openid-configuration endpoint). Include the FHIR Metadata endpoint in the OIDC Discovery response so the FHIR server details are more easily discovered. (e.g. add "fhir_metadata_endpoint" : "https://example.com/fhir/metadata").
- Create an Open ID Proofing Standard to uniquely identify patients across systems - Encourage all data providers to agree on an open ID proofing standard and secure authentication approach
- Allow Social Media Logins - For consumer convenience, allow a patient to attach their social media logins (i.e., Google, Facebook) during the patient intake/registration process. This will ease the patient authentication and registration burden across systems.

Policy Workgroup

The Policy Workgroup submitted the following comment letters:

- ONC Interoperability Advisory
- CMS: Innovation Center New Direction RFI
- HHS DRAFT Strategic Plan FY 2018-2022
- Medicare Program; CY 2018 Updates to the Quality Payment Program

Next Steps

- CARIN will participate in the White House interoperability summit on December 12
- Policy workgroup will meet in January to discuss the ONC Trusted Exchange Framework
- Meeting dates and locations for the Q1 2018 Community Meeting will distributed in January