

# Sync for Genes Phase 4 Demonstration Site Profile

## Background and Project Goals

The Office of the National Coordinator for Health Information Technology (ONC) is seeking health IT companies, genomic medicine organizations, researchers, and clinical institutions such as academic medical centers, ambulatory clinics, and hospitals to participate as pilot sites in the Sync for Genes Phase 4 *Sharing Genomic Data with Individuals* project.

Sync for Genes Phase 4 will develop and test health IT infrastructure to enable interoperable sharing of genomic data and supporting information with individuals. Sync for Genes Phase 4 will build upon the success of the first three phases by using standardized Fast Healthcare Interoperability Resources (FHIR) APIs to advance project goals. Participating sites will lead demonstrations of electronic exchange of genomic data between organizations and at least one data receiver, including patients or caregivers, as appropriate.

## Participation Requirements

Selected participants will be required to attend regular project meetings, including a kick-off and closeout, and submit reports as part of the project life cycle. Demonstration sites will work with the Sync for Genes Phase 4 project team in developing their project plans (including sprint cycles), executing their approved demonstration project against agreed-upon sprint cycles, and documenting and presenting project findings including success, challenges, lessons learned, and next steps. If necessary, demonstration sites will work with the project team to map use case elements to HL7 FHIR resources and share those mappings. Demonstration sites may be asked to contribute to conference submissions, including abstracts, panel, and paper submissions, as appropriate. Demonstrations must be completed within six (6) to 9 (nine) months and no later than November 2021.

## Technical Capabilities

If your organization would like to be considered as a demonstration site, please complete this Demonstration Site Profile by describing your proposed demonstration and discussing relevant technical capabilities noted below. Your responses will assist ONC and the Sync for Genes Phase 4 project team in determining your organization's technical capabilities and readiness in meeting the goals of Sync for Genes Phase 4.

## Submission Instructions and Deadline

Please send completed your completed Pilot Site Profile to Becky Angeles at: [becky.angeles@carradora.com](mailto:becky.angeles@carradora.com) by Friday, January 8, 2021.

**Demonstration Site Name:**

[Add your organization's name here]

**Demonstration Site Point of Contact:**

[Add point of contact's name here]

**Preferred E-mail Address:**

[Add preferred e-mail address here]

**Demonstration Description**

1. Provide a brief description of how you plan to demonstrate the electronic exchange of genomic data between organizations and at least one data receiver, including patients or caregivers, as appropriate through a FHIR API. The demonstration should be accomplished between six (6) to nine (9) months, and no later than November 2021. Include a description of the relevant use case, development approach, proposed timeline, key personnel, and relevant partners.

**Describe your proposed demonstration:****Technical Capabilities**

2. Capability to demonstrate a partnership between a sender and consumer of genomics data, for example:
  - A patient or caregiver receiving genomic results from a laboratory or healthcare provider shares this data electronically with another health care institution.
  - One provider sending results and clinical recommendations to another provider electronically.

**Describe your organization's capabilities:**

3. Technical team's working knowledge and experience with tools and technology related to the implementation of FHIR APIs (includes ability to demonstrate FHIR message exchange in testbed or development environment)

**Describe your technical team's knowledge and experience with FHIR:**

## Technical Capabilities (cont.)

4. Experience with use, implementation, and engagement in the FHIR development and adoption community, including but not limited to the HL7 Clinical Genomics Work Group

### **Describe your organization's experience:**

5. Organizational commitment to
  - a. Participating in the demonstration and
  - b. Improving and extending the capabilities of FHIR profiles and implementation guides

### **Describe your organization's commitment to participating in the demonstration, and improving and extending the FHIR specification's capabilities:**

6. History of contributions to genomics standards development activities

### **Describe your organization's capability:**

7. Organization's strategic business priorities that align with Sync for Genes Phase 4 goals, allowing an opportunity to leverage organizational efforts and resources to conduct the proposed demonstration

### **Describe your organization's relevant strategic business priorities:**