

Santa Cruz HIE Proposal for Demonstrating at California Connects 2014



Use this template to communicate critical information for each demonstration proposed for the **2014 California Connects Interoperability Exhibition**, to be held at the *Connecting California to Improve Patient Care in 2014* conference sponsored by Redwood MedNet.

Prospective participants in California Connects 2014 must complete a proposal following this template for each proposed demonstration, and submit it for approval to the California Connects Steering Committee via email c/o Karen Boruff at karen.boruff@ca-hie.org. Please see the California Connects 2014 page at <http://www.ca-hie.org/projects/california-connects-2014> for more information. Direct any questions to Karen Boruff at karen.boruff@ca-hie.org or Rim Cothren at robert.cothren@ca-hie.org.

1. Demonstration Synopsis

Please provide a title for your demonstration and a brief description of the demonstration. Try to limit the description to no more than 100 words. The title and description will appear on our web site in advance of the Exhibition to attract meeting participants to your demonstration.

Coordination of Care across Disparate Systems and Care Settings

We will demonstrate coordination of care across disparate systems and care settings using the ClearExchange Interoperability Suite of solutions. The latest available standards and capabilities are on display including Blue Button +, Consolidated CDA, Direct Messaging and Provider Directory.

2. Demonstration User Story

Please provide a user story describing the demonstration, with specific emphasis on its clinical relevance. Be specific, illustrating how you will weave the technology you are demonstrating into real clinical flow.

Use Case 1: Using Blue Button + to coordinate care between multiple providers and facilities in San Diego and Santa Cruz. (Includes Humetrix and San Diego HIE)

Use Case 2: Using Direct to deliver Discharge Summaries to affiliated and unaffiliated providers (a MU 2 Requirement)

Use Case 3: Incorporate documents only available on paper into a Health Information Exchange. Focus on Long Term Care coordination, but could be any setting where paper is needed to be incorporated in the patient record ACROSS the community of providers. (Includes Inofile, Surescripts)

Use Case 4: Using Direct to manage Care Transition between UC Davis using Epic and Santa Cruz HIE.

Patients with critical health issues use the services of many providers across varying organizations, communities and specialties. Leveraging ClearExchange providers and care teams can share the necessary information, make updates to the data and stay abreast (real time) with a patients treatment, health and plan(s). ClearExchange enables EMRs, fax systems, Traditional HL7 interfacing, CCDs, C-CDA's to deposit, query and exchange care related information. In addition ClearExchange enables a transport and routing mechanism for today's emerging technologies and solutions – including Direct and PHR's.

3. Goals and Objectives of the Demonstration

Please provide a brief description of the goals and objectives of the demonstration, emphasizing what you expect your audience to learn. Be sure to indicate how your demonstration aligns with the objectives and guidelines found in the California Connects Demonstration Charter at <http://www.ca-hie.org/projects/california-connects-2014/charter>.

ClearExchange will show the power of an HIE. The ability for all care team members to have access to all the data, all the time. Whether from within the providers EHR or by a portal to view the longitudinal health record. ClearExchange bridges the gap between traditional providers, hospitals, behavioral health, specialists, ancillary services, emergency services and beyond.

4. Participant Information

Please list information about the primary organization and any supporting organizations and/or sponsors for the demonstration. The primary organization will be responsible for creating, testing, and showcasing the demonstration. Supporting organizations might be collaborating to demonstrate the user story or otherwise deserve recognition. A sponsor may be funding or otherwise providing resources for the development of the demonstration.

4.1. Primary Organization

Name of the organization Santa Cruz HIE

Role in the demonstration HIE/HISP

4.2. Supporting Organization(s)

Name of the organization: Inofile, San Diego HIE, Humetrix

Role in the demonstration: See above use cases

4.3. Demonstration Sponsor(s)

Name of the organization: Axesson – the Technology partner behind the HIE infrastructure

Role in the demonstration: Core framework – built on Mirth and other technologies

5. Technical Information

5.1. Business Workflow

Please provide a description of the business workflow for the user story, showing the various actors and systems involved in the health information exchange. A diagram may be used.

Diagrams to be provided.

5.2. Technical Standards

Please provide a brief discussion of the technical transport and content standards used in the demonstration. Include security, authentication and authorization standards as necessary. Please review <http://www.ca-hie.org/projects/california-connects-2014/charter> for the technical priorities for California Connects 2014.

This demonstration illustrates the use of IHE IT Infrastructure Framework Supplement, Healthcare Provider Directory (HPD) Trial Implementation Rev 1.4 and Statewide Send and Receive Patient Record Exchange Technical Specification Appendix, HPDPlus RDB Implementation Guide v1.1. It implements mutual TLS for security. HL7 version 2 and version 3 including Consolidated CDA.

6. Maturity of the Demonstrated Technologies

Please describe the maturity of the technologies highlighted in your demonstration, and when they might be available for use, and what barriers there are to reducing them to practice, if any. Technologies in the demonstration might be emerging and experimental, under development and soon to be available, or commercially available now.

All of the technology being demonstrated is available and in use. Some are in the early adopter phase.