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.

eHealth Exchange and Direct Secure Messaging between VA and Private Sector

VA is using exchange with 17 private sector organizations to coordinate Veterans care. Direct is a new protocol currently piloted to enable both provider-mediated and patient-mediated health information exchange.

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.

Like most veterans, our example patient veteran is receiving a portion of her care from a private clinic. During a visit with her VA clinician, she informs the clinician that she has had some tests done at a private clinic recently. The private clinic happens to be a member of an HIE

participating in the eHealth Exchange. When the VA clinician opens the patient record, the system informs him that indeed the patient has external data accessible. The clinician requests a health summary record from all non-VA sources. The recent information from the private clinic is received, displayed, and integrated with other similar data, providing a complete integrated view of the medical history. The clinician and the patient are satisfied that better information yields better care.

The patient requires a mammography, a service not available at the local VA medical center. The clinician then refers the patient to a specialist across the street by sending a Direct secure message to the specialist clinic. The email goes out with the order attached as well as an authorization for payment of the service. After the service is performed at the date/time of convenience to the patient, the VA clinician receives a reply to his email with the mammography results attached. The VA clinician reviews the report and attaches it to the patient VA record.

Finally, the Veteran can access VA patient portal (My HealtheVet) to View, Download and Transmit a copy of her record, both in text and structured format (Continuity of Care Document or CCD).

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.

There are 3 goals to this demonstration:

1. Care Coordination: Exchange between VA and several private sector organizations, seen from the point of view of a VA clinician
2. Consult and referral: round trip using Direct secure messaging
3. Patient engagement: use of patient portal (My HealtheVet) to obtain, view, download, and transmit a copy of their CCD to their iPhone

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   Department of Veterans Affairs

Role in the demonstration   Demonstrate the implementation of important standards for interoperability

4.2. Supporting Organization(s)

Name of the organization

Role in the demonstration

Feel free to add more additional lines for other supporting organizations as necessary.

4.3. Demonstration Sponsor(s)

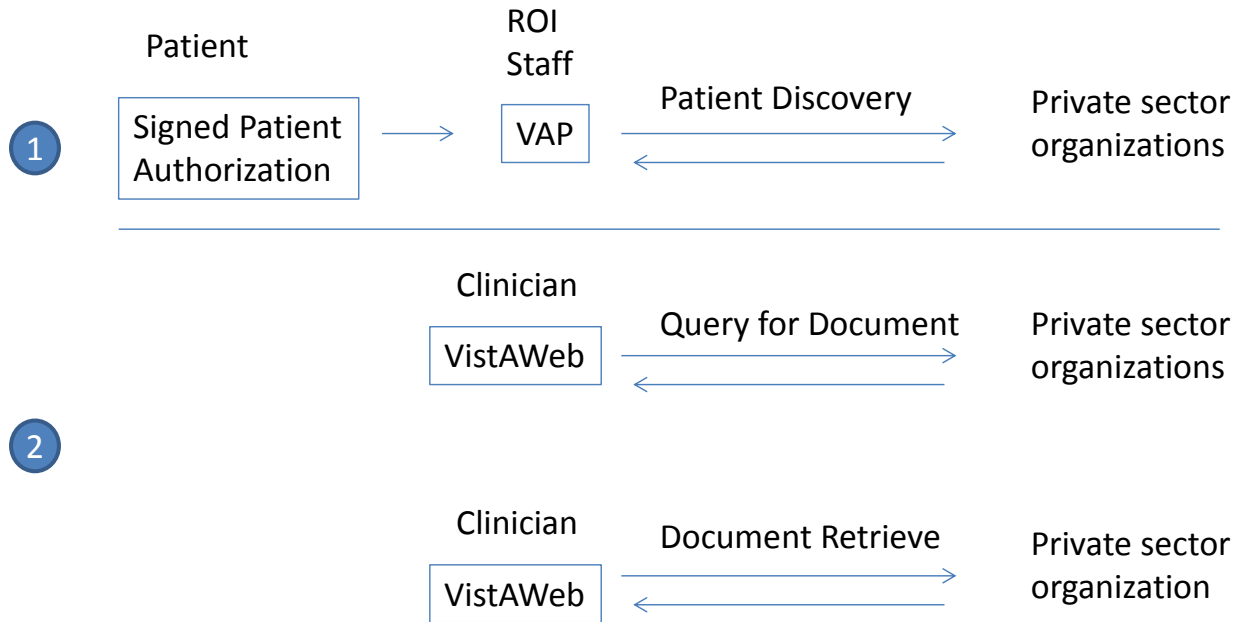Name of the organization

Role in the demonstration

Feel free to add more additional lines for other sponsoring organizations as necessary.
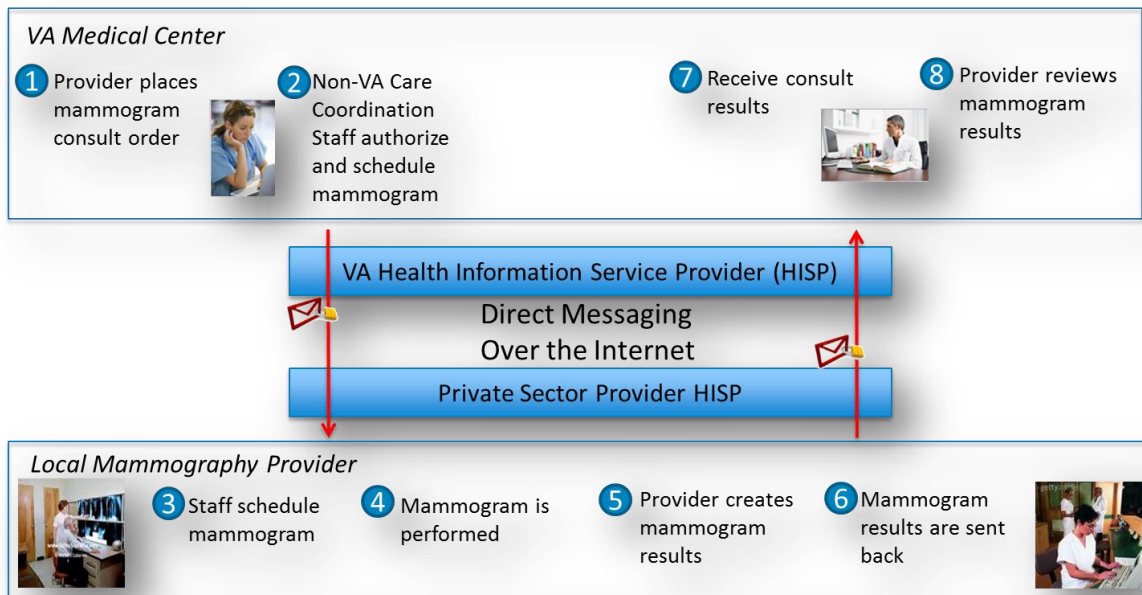
5. Technical Information

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.
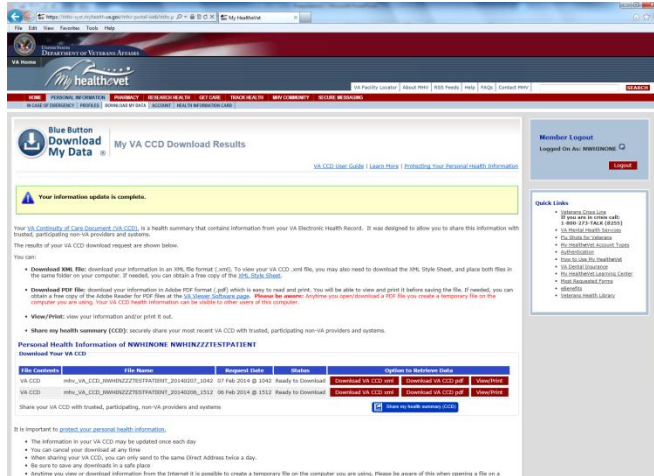
Work flow diagram for the Exchange demonstration:

1

Patient

ROI Staff

| Signed Patient Authorization | → | VAP | Patient Discovery → ← | Private sector organizations |

2

Clinician

| VistAWeb | Query for Document → ← | Private sector organizations |

Clinician

| VistAWeb | Document Retrieve → ← | Private sector organization |

Work flow diagram for the Direct demonstration:

VA Medical Center

1 Provider places mammogram consult order

2 Non-VA Care Coordination Staff authorize and schedule mammogram

7 Receive consult results

8 Provider reviews mammogram results

VA Health Information Service Provider (HISP)

Direct Messaging
Over the Internet

Private Sector Provider HISP

Local Mammography Provider

3 Staff schedule mammogram

4 Mammogram is performed

5 Provider creates mammogram results

6 Mammogram results are sent back

Work flow diagram for the Patient View/Download/Transmit demonstration:

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.

The demonstration will illustrate the use:

1. IHE XDS profiles as constrained by ONC/HealtheWay Specifications Factory for the nationwide eHealth Exchange network.
2. Direct Project Applicability Statement for Secure Health Transport
3. View/Dowload/Transmit capability developed to meet ONC Meaningful Use Certification criteria

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.

Query-based exchange between VA and other eHealth Exchange is currently in production use with 17 private sector partners and accessible to all VA clinicians, at all VA care facilities.

Direct secure messaging software is in its first pilot testing in Salt Lake City, Utah. Use of Direct by Veteran patient is also in pilot testing, with a current connection to iBlueButton app (from Humetrix).