Sexually Transmitted Disease Surveillance Special Instructions

Course:
CS 6440 – Introduction to Health Informatics

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Git Hub Link:
https://github.gatech.edu/gt-hit-fall2016/Sexually-Transmitted-Disease-Surveillance

This document describes how to test our project, STDCRX (Sexually Transmitted Disease Case Report Exchange).

1) Navigate to gt-hit-fall2016/Sexually-Transmitted-Disease-Surveillance/Final Project/Final Application/Application/xml/example_docs/ in our github repository and save the 2 XML documents in this folder somewhere easily accessible on the hard drive of your computer. These XML files are C-CDA documents.
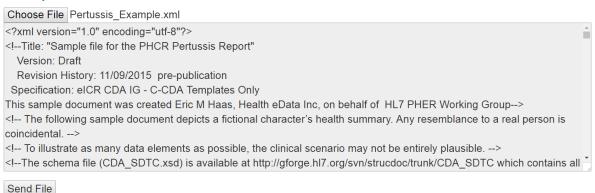
📄 Pertussis_Example.xml

📄 Pertussis_Example_2.xml

2) Navigate to https://stdcrx.herokuapp.com/report/send in a web browser, click the "Choose File" button, select one of the files from Step 1, and click the "Send File" button in the lower-left portion of the page.

Send C-CDA Document to STDCRX

This page simulates the role of an EHR (Electronic Health Record) system that would generate and post a C-CDA document to STDCRX. The C-CDA document selected is parsed, converted to FHIR resources, and stored on a FHIR server by STDCRX.

Choose File Pertussis_Example.xml

```
<?xml version="1.0" encoding="utf-8"?>
<!--Title: "Sample file for the PHCR Pertussis Report"
    Version: Draft
    Revision History: 11/09/2015  pre-publication
    Specification: eICR CDA IG - C-CDA Templates Only
This sample document was created Eric M Haas, Health eData Inc, on behalf of  HL7 PHER Working Group-->
<!-- The following sample document depicts a fictional character's health summary. Any resemblance to a real person is
coincidental. -->
<!-- To illustrate as many data elements as possible, the clinical scenario may not be entirely plausible. -->
<!--The schema file (CDA_SDTC.xsd) is available at http://gforge.hl7.org/svn/strucdoc/trunk/CDA_SDTC which contains all
```

Send File

3) Wait for the file to be processed by STDCRX. STDCRX parses the document and either creates or updates resources as appropriate on a FHIR server located at http://162.249.6.176:8080/. A message appear below the "Send File" button when it is finished.

Send File

File sent successfully!

4) Navigate to https://stdcrx.herokuapp.com/ in a web browser. Enter "John" in the First Name field and remove all text in the "From" and "To" dates field so that the

parameters look like the following screenshot:

Retrieve STD Case Reports

Patient Information

First Name:

John

Last Name:

Date of Report

Date Type: ●Received ○Event

From:

To:

Facility Information

Facility ID:

Get Report

5) Click the "Get Report" button.
6) On the right side of the screen a result for John Stinn should be returned.

Patients

Click a patient name for C-CDA document

Patient
John Stinn

7) Click the "John Stinn" result.

8) A C-CDA document is displayed. The C-CDA document is generated from FHIR resources stored on the FHIR server at http://162.249.6.176:8080/:

9) Click the "Select C-CDA document text" button if you wish to test this, this button makes it easier to select the text for copying and pasting.

10) Click the "x" in the upper-right of the pop-up or anywhere on the page outside of the pop-up to close the C-CDA document pop-up.

Explore and try different parameters if you wish. If you select "Received" for the date type and enter a date range that falls within when you performed Step 2, the patient from it will show up in the list of patients. The names of the 2 patients in the system are John Stinn and Fred Dredd if you wish to play with the first name and last name parameters. At least one of the following fields must have something entered: first name, last name, or facility id. First and last name perform a "starts with" wildcard search, so entering J would match John for example.