Prescription Drug Monitoring Program – Demo

Installation and User Guide

v. 1.0

10/30/2018

1. Pilot Installation

1.1 CONNECT

Install CONNECT version 5.2 (or later) using Java 8 and Wildfly 8.1.2. Installation instructions can be found here. Validate CONNECT using the SoapUI validation suite and be sure to set up the database correctly with nhincdb.sql and populateTestData.sql.

1.2 PMP Gateway Configuration

Contact Appriss to obtain a user name and password for accessing the PMP Gateway.

1.3 Certificates

First, download the required certificates from the Appriss gateway and NIST RxNav sites. Navigate to each URL listed below in table 1.1 and download the certificate.

Table 1.1 URLs for used services.

Service	URL
Appriss PDMP Gateway	https://gateway-prep.pmp.appriss.com
NIST RxNav	https://rxnav.nlm.nih.gov

Using Google Chrome web browser, click on the lock symbol as shown in figure 1.2 and follow the download wizard to create a base-64 encoded certificate (CER). Download all leaf and intermediate certificates (and any needed base certificates depending on Firewall settings).



Figure 1.2 - Certificate download from PMP Gateway URL.

Install downloaded certificates to trust store located in the CONNECT properties folder in Wildfly (nhinc.properties.dir). The keytool command for adding a certificate is:

keytool -v -import -trustcacerts -file <downloaded cert> -alias <cert alias> -keystore cacerts.jks

1.4 Database and Configuration

Update the user name and password in the PDMP/Install/pdmp.properties file to the values provided by Appriss. Copy the 2 configuration files (pdmp.properties and AdapterMpiConfig.xml) to the CONNECT Wildfly configurations folder. The AdapterMpiConfig.xml replaces an existing file.

Run the SQL script for adding the PDMP test patient, found at PDMP/Install/addPdmpTestPatient.sql.

1.5 Build and Deploy

Pull down PDMP code from the CONNECT Plugin repository. The local command is:

git clone https://github.com/CONNECT-Solution/Plugins.git

At the PDMP root directory, run the maven build and install command: mvn clean install.

Open the Wildfly admin console and deploy (and then enable) the built WAR file: Plugins/PDMP/PDMP-Demo/target/pdmp-demo-4.6.0-SNAPSHOT.war.

2. User Guide

Navigate to the main page by entering the following URL into the browser:

http://localhost:8080/PDMP-Demo

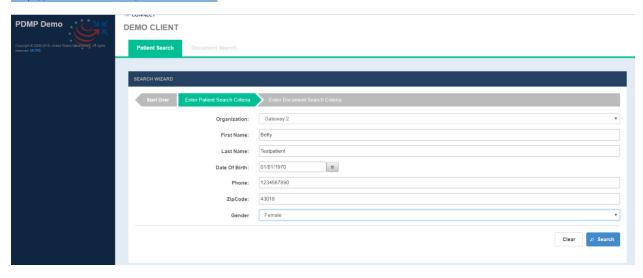


Figure 1.3 Patient Search with Demographics

Enter in the demographic information as shown in Figure 1.4. The demographic information is for a test patient with information found in Table 1.3.

Table 1.4 Demographic information for test patient

Demographic	value
Organization	Gateway 2
First Name	Betty
Last Name	Testpatient
Date of Birth	01/01/1970
Phone	1234567890
Zip Code	43018
Gender	Female

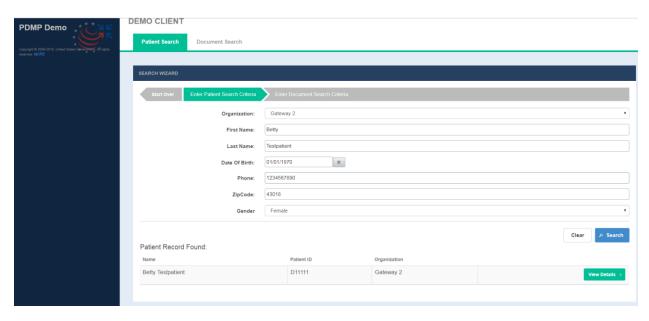


Figure 1.5 Patient found view

The search should return a found patient. If no patient is returned, check the entered demographic information and the information inserted into the database to confirm the data is correct. Click on the "View Details" button to continue to next tab and view the document search view as shown in Figure 1.6.

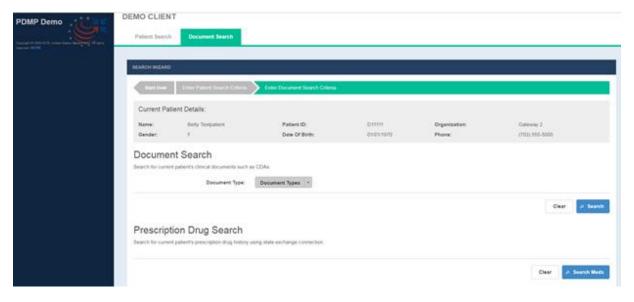


Figure 1.6 Document and patient search

On the document and prescription search page, search for documents and then search for medications selecting each of the blue buttons in order. The results of the searches should be the same as shown in Figure 1.7.

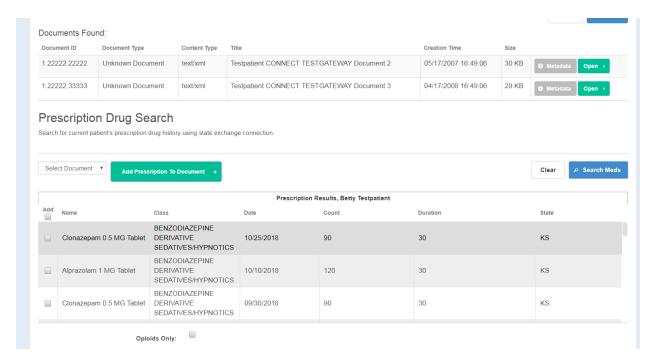


Figure 1.7 Results for document and prescription searches

The prescription results can be filtered by opioid type using the "Opioid Only" check box. To create a new document with added prescriptions, select at least one prescription using the check boxes in the "Add" column in the prescription results table. Select a document ID from the "Select Document" drop down and then click on the "Add Prescription to Document" button. A new document will be built and then displayed as shown in Figure 1.8 and 1.9 as a modal. The document can be downloaded to the local file system by clicking on the "Download" button in the modal.

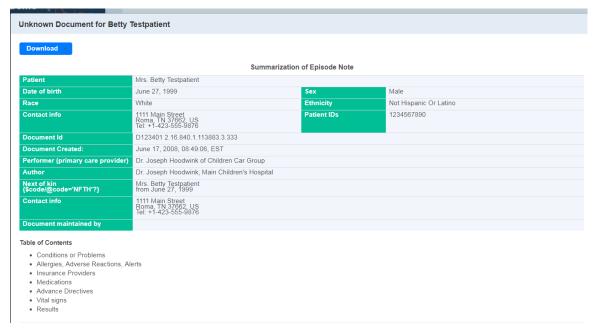


Figure 1.8 Document with download button

Jnknown Document for Betty Testpa	tient				
minionii Boodinoni ioi Botty iootpo					
Febrile Seizure	Diagnosis		20010713		
Allergies, Adverse Reactions, Alert	S				
Substance	Event Type		Severity		
lodine	Drug Allergy		Mild		
Penicillin	Drug Allergy	Moderate			
nsurance Providers					
nsurance Provider Name	Insurance Provider Type	Insura	Insurance Provider Group Number		
ACME Health plan sponsor	ACME Health plan sponsor	GID888111			
Medications					
Product Display Name	Free Text Brand Name	Ordered Value	Ordered Unit	Expiration Time	
Acetaminophen	Tylenol	1.0	Chewable Tablet	20101115	
Ibuprofen	Motrin Suspended	1.0	3ml	20091012	
Azithromycin	Zithromax	60.0	Tablet	20080825	
Oxycodone Hcl Er 40 MG Tablet	OPIOID ANALGESICS	30	05/12/2018		
Oxycontin 20 MG Tablet	OPIOID ANALGESICS	60	06/28/2018		
Percocet 5-325 MG Tablet	OPIOID ANALGESICS	15	03/18/2018		
Advance Directives					

Figure 1.9 Document with medications list (OPIOD ANALGESICS shown are added)

There are no advanced directives for this patient