FHA CONNECT and Prescription Drug Monitoring

Accessing patient prescription data by connecting to the Appriss PMP Gateway

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Find a way to access state prescription drug data, focusing on opioids

Integrate with federal use cases (DoD, VA, HHS)

Opioid Epidemic

44 Americans die each day due to prescription opioid overdoses. Four fold increase since 1999.

For each prescription opioid overdose death:
- 12 treatment admissions, 25 ED visits
- 105 people who abused or were dependent on opioids
- 659 non-medical opioid users
What is CONNECT?

CONNECT is a software platform that supports secure health information exchange.

CONNECT uses ONC Nationwide Health Information Network and industry standards to ensure interoperability with current and future exchanges.

CONNECT is a low cost open source solution that is designed to be flexible to support an evolving health data exchange environment.
• Set up a health information exchange within an organization (HIE, HIH, etc.)
• Set up a Direct health information service provider (HISP)
• Tie a health information exchange into other HIEs for example the eHealth Exchange, CMS esMD or Direct
• Support patients with technology to electronically “carry” their health record as they traverse the healthcare system
• Support providers by enabling a more complete medical picture of a patient
• Provide a method to meet certain mandated interoperability requirements
• Extensible with plugins and pilots for FHIR and PDMP
Role of CONNECT in Health Information Exchange

ONC/ NwHIN standards, services, & policies

NwHIN Specifications (SOAP)  Direct Specifications (SMTP)

Industry Specifications (IHE, OASIS, WS-I, IETF, W3C, HL7, FHIR, ANSI)

ONC/ NwHIN Specifications are built off of Industry Specifications; CONNECT implements these

Software Platform (gateway and adapters)

Health Data Exchange

Health Organization Systems

Data
What is PMP InterConnect?

National Association of Board of Pharmacies PMP InterConnect facilitates the transfer of prescription monitoring program (PMP) data across state lines. It allows participating state PMPs across the United States to be linked, providing a more effective means of combating drug diversion and drug abuse nationwide.
PMP Gateway

- PMP Gateway is an interface that simplifies integration of controlled substance prescription history from the PMPI Hub into health IT systems.
- Provides health IT systems a single access point to 44 state PMPs’ data via PMP Interconnect, thus saving healthcare providers the effort of doing individual integrations with each state PMP.
- Gateway is live for implementation in 22 states
- Four states (OH, MA, AZ and KS) are deploying enterprise licenses to all prescribers and dispensers in their states.
Strategy

1. Share the data between the states
2. Improve / Scale the data
3. Integrate the data into the healthcare workflow

Leverage CONNECT as an open source PMP Gateway secured client

1. Give access to state PMP data to Federal Agencies and nationwide exchange organizations
2. Integrate the data into the federal / nationwide exchange workflow
CONNECT PMP Gateway Exchange

Request for Prescription Drug Data

Secured RESTful Web Services

Response with State Prescription Drug Data

Opioids
Medicines

Federal and State Agencies
HIEs and Hospital Systems

APPRISS® PMP Gateway

State Repo
State Repo
State Repo

NABP
National Association of Boards of Pharmacy

State Repo

State Repo

Federal and State
Agencies
HIEs and Hospital
Systems
Contact Us

• FHA - Federal.Health@hhs.gov
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Patient found after demographics search.

<table>
<thead>
<tr>
<th>Name</th>
<th>Patient ID</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Betty Testpatient</td>
<td>P1234</td>
<td>Gateway 2</td>
</tr>
</tbody>
</table>
Document and Prescription Search

Search for a patient clinical document

Search for prescription data from PMP Gateway
Found a Document (with 3 Prescriptions)

<table>
<thead>
<tr>
<th>Document ID</th>
<th>Document Type</th>
<th>Description</th>
<th>Creation Time</th>
<th>Size</th>
</tr>
</thead>
</table>

### Insurance Providers

- ACME Health plan sponsor
- ACME Health plan sponsor
- GID888111

### Medications

- **Acetaminophen**: Analgesics, 10, 01/01/2010
- **Ibuprofen**: OPIOID ANALGESICS, 4, 10/12/2009
- **Azithromycin**: Anti-Bacterial Agents, 20, 08/25/2008

### Advance Directives

There are no advanced directives for this patient.

### Vital signs

- **RS0007**
  - **Vital Sign Date**: 2008-04-13
  - **Vital Sign Display Name**: Body Weight
  - **Vital Sign Value**: 40 kg
Prescriptions Found (via PMP Gateway)

Prescriptions displayed from searching PMP Gateway. Filtered by type: Opioid.

Insert prescriptions into selected document
Previously selected prescriptions are now added to the document.