Interoperability

eClinicalWorks

Farah Saeed
Agenda

• Cerner HealtheIntent

• Carequality and CommonWell

• eEHX with Carequality and CommonWell
Cerner HealtheIntent

- HealtheIntent is Cerner’s Population Health Platform

- eClinicalWorks integrates with HealtheIntent with two interfaces:
  - Outbound feed of raw data
  - Inbound data to display on a new Right Chart Panel Tab titled “PopHealth”
Cerner HealtheIntent
Interoperability Challenge
Carequality and CommonWell

Two leading nationwide initiatives:

eClinicalWorks is a member of both!
What do they do?

On-demand exchange of clinical data

- On-demand – Occurs at check-in, no extra clicks
- Exchange – Bi-directional
- Clinical Data – CCDA
How does it work?

Two steps…

1. Identify the Patient
2. Retrieve the Data
Consent

• The patient’s consent is required in order to exchange data with other care settings.

• An eCW database has the option to select one of the two global consent models:
  
  – **Opt-in Model** – In this model, the patients are opted-out by default. Every patient will need to be explicitly opted-in in order to exchange data.

  – **Opt-out Model** – In this model, the patients are opted-in by default. Any patient declining to participate in the framework will need to be explicitly opted-out. Clinical data will be exchanged as soon as the practice is connected to the framework.
Consent is managed from the Patient Demographics > Additional Info > Structured Data
Automated Query

Automatic query upon arrival

Document notification on the Interactive Clinical Wizard
### Clinical Data

**Problem List**

- 719.46 Pain in joint, lower leg
- 719.44 Pain in joint, hand
- 719.49 Pain in joint, multiple sites
- 786.2 Cough
- R07.9 Chest pain
- R06.02 Shortness of breath
- I21.3 Heart attack

**Allergies**

- Coal Tar / Salicylic Acid
- Amoxicillin
- Crayons
- Claiks
- Clowns
- 14-Count Warmer
- 12 Hour Decongestant
- 12 Hour Nasal Spray

**Medication**

- **Active Medications**
  - ibuprofen 200.0
  - acetaminophen 325 mg oral tablet
  - OxyContin Orally
  - Codeine Sulfate Orally
  - Ofloxacin Ophthalmic
  - Percocet Orally
  - famotidine (PEPCID AC) 10 MG chewable tablet 10 (Famotidine 10 Mg Po Chew) Oral
  - lisinopril (PRINIVIL, ZESTRIL) 10 MG tablet(lisinopril 10 Mg Po Tabs) Oral
  - aspirin 120 MG suppository(Aspirin 120 Mg Re Supp) 120 Rectal
  - Lipitor Orally

**Immunizations**

- rotavirus, pentavalent 08/11/2015
- Flu vaccine no Preserv 3 and > 12/27/2014
- Flu vaccine no Preserv 3 and > 12/27/2014
- rotavirus, pentavalent 08/11/2015
## Carequality Member Organizations

<table>
<thead>
<tr>
<th>HIEs</th>
<th>Technology Vendors</th>
<th>Service Providers</th>
<th>PHRs</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Coordinated Care Oklahoma" /></td>
<td>athenahealth</td>
<td>commonwell Health Alliance</td>
<td><img src="image2" alt="AZuba" /></td>
</tr>
<tr>
<td><img src="image3" alt="HITexas" /></td>
<td>eClinicalWorks</td>
<td><img src="image4" alt="Kno2" /></td>
<td><img src="image5" alt="cartus health" /></td>
</tr>
<tr>
<td><img src="image6" alt="Santa Cruz Health Information Exchange" /></td>
<td>Epic</td>
<td><img src="image7" alt="GE Healthcare" /></td>
<td><img src="image8" alt="Integrated Data Services" /></td>
</tr>
<tr>
<td><img src="image9" alt="SunCoast RHIO" /></td>
<td>Glenwood Systems</td>
<td><img src="image10" alt="Inovalon" /></td>
<td><img src="image11" alt="Surescripts" /></td>
</tr>
<tr>
<td><img src="image12" alt="Medicity" /></td>
<td>Medicity</td>
<td><img src="image13" alt="Mana Health" /></td>
<td><img src="image14" alt="OneRecord" /></td>
</tr>
<tr>
<td><img src="image15" alt="Netsmart" /></td>
<td>NEXTGEN HEALTHCARE</td>
<td><img src="image16" alt="Surescripts" /></td>
<td></td>
</tr>
</tbody>
</table>

Carequality: Surescripts National Record Locator Service

Record locating services will be provided by Surescripts National Record Locator Service

NRLS enables eCW to quickly match patients and to obtain historical patient visit locations

NRLS includes 140 million patients and almost 2 billion interactions between those patients and their care providers
Carequality: What functionality will eCW users get?

• Capability to query Surescripts (the record locator service) to identify where a patient has been seen previously

• View CCDA from other care settings and import discrete data elements into patients’ Progress Notes

• Make patient level CCDAs available to external providers on demand
## CommonWell Member Organizations

### Founding
- Allscripts
- aprima
- CareCloud
- Cerner
- Evident
- Greenway Health
- McKesson

### Contributor
- AMBRA
- American Healthtech
- CareCloud
- eClinicalWorks
- Healthland
- lifeIMAGE
- MacPractice
- MODERNIZING MEDICINE

### General
- ABILITY
- Brightree
- Caremark
- eMDs
- eMedicalPractice
- eMDs
- Health Gorilla
- HIMSS
- ImageTrend
- InformationWorks
- Iodine Health
- Journey
- Kronos
- LifeShaper
- Health Gorilla
- Health Gorilla
- IMAGE TREND
- ImageTrend
- InformationWorks
- i2iexchange
- NATE
- NNT
- Omnisys
- PricewaterhouseCoopers
- Redox
- RelayHealth

---

http://www.commonwellalliance.org/members/
CommonWell: RelayHealth Service Provider

RelayHealth provides the record locator services for CommonWell

Two links are involved in CommonWell patient matching:

- Person Link: Match the eCW patient to the national patient
- Network Link: Confirm locations where the patient has been seen
CommonWell Linking

Can you verify that you have been to these providers?

All this happens while ensuring:
• No clinical data shown without the human validation step.
• Linked locations have access to data on future visits.
• Providers see the documents natively in their EHR.
CommonWell Person Linking

• Patients need to be enrolled in CommonWell

• eClinicalWorks will perform an auto-enrollment process

• Patients who do not pass auto-enrollment need to be manually linked
CommonWell Network Linking

• Patients need to be confirm visit locations with CommonWell sites

• If confirmation of a location has been received at another CommonWell site, it will not need to be recaptures at your eCW practice
Product Demo
CommonWell: Appointment Window
CommonWell: Network Link
CommonWell: What functionality will eCW users get?

• Capability to query RelayHealth (the record locator service) to identify where a patient has been seen previously

• View CCDA from other care settings and import discrete data elements into patients’ Progress Notes

• Make patient level CCDAs available to external providers on demand
Next Steps

1. Open a Carequality or CommonWell Support Case

2. When notified, complete On Demand Activation
<table>
<thead>
<tr>
<th>Step 1</th>
<th>Step 2</th>
<th>Step 3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Categories</strong></td>
<td><strong>Product Area</strong></td>
<td><strong>Support Issue</strong></td>
</tr>
<tr>
<td>Healow</td>
<td>Quality Improvement &amp; Incentive Programs</td>
<td>Become a member of Carequality Framework</td>
</tr>
<tr>
<td>Products</td>
<td>Business Analysis / Consulting Services</td>
<td>Become a member of Commonwell Health Alliance</td>
</tr>
<tr>
<td>Services</td>
<td>Health centers consulting</td>
<td>Direct Messaging / HISP connection</td>
</tr>
<tr>
<td>Upgrade</td>
<td>Interface</td>
<td>Add New Interface</td>
</tr>
<tr>
<td>Healthcare Industry</td>
<td>Device</td>
<td>Aetna/Coventry Open EMR</td>
</tr>
<tr>
<td>Customization</td>
<td>Technical Architect Consulting</td>
<td>New Immunization Interface</td>
</tr>
<tr>
<td>Meaningful Use</td>
<td>Remote Desktop Login Credentials</td>
<td>My Request is Not Listed</td>
</tr>
<tr>
<td></td>
<td>Purchase Additional Training</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Data Migration</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Installation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other - Not Listed</td>
<td></td>
</tr>
</tbody>
</table>

Cancel Continue
On Demand Activation
Automated Query

Automatic query upon arrival

Document notification on the Interactive Clinical Wizard
**eEHX with Carequality and CommonWell**

- Click here to view Patient external documents

<table>
<thead>
<tr>
<th>Problem List</th>
<th>Allergies</th>
</tr>
</thead>
<tbody>
<tr>
<td>719.46 Pain in joint, lower leg</td>
<td>Coal Tar / Salicylic Acid</td>
</tr>
<tr>
<td>718.44 Pain in joint, hand</td>
<td>Amoxicillin</td>
</tr>
<tr>
<td>719.49 Pain in joint, multiple sites</td>
<td>Crayons</td>
</tr>
<tr>
<td>786.2 Cough</td>
<td>Cialis</td>
</tr>
<tr>
<td>R07.9 Chest pain</td>
<td>Clowns</td>
</tr>
<tr>
<td>R06.02 Shortness of breath</td>
<td>14-Count Warmer</td>
</tr>
<tr>
<td>I21.3 Heart attack</td>
<td>12 Hour Decongestant</td>
</tr>
<tr>
<td></td>
<td>12 Hour Nasal Spray</td>
</tr>
</tbody>
</table>
Consent

With eEHX: eEHX consent will be honored

Without eEHX: Consent is managed from the Patient Demographics > Additional Info > Structured Data
Questions?

Contact us at interop@eclinicalworks.com