Query patient demographic records by demographics workflow

Overview

Description: This transaction allows Point-of-Service (PoS) systems to query for patients that match supplied demographics. The following sequence diagram show the steps involved.

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Status: In Progress

Referenced Standards and APIs:

Option 1

- QBP^Q22 - IHE ITI-21
- RSP^K22 - IHE ITI-21

Option 2

- FHIR - Patient Demographics Query IHE ITI PDQm Transaction

Assumptions and prerequisites

- The PoS system is a trusted application known by the HIE and it is registered with the interoperability layer to be able to send and receive data securely (Common message security workflow).

Actors

- PoS - The point of care system that captures patient identifiers, is responsible for sending the identifiers to the HIE.
- IL - Mediates the transactions between the PoS system and the client registry.
- CR - Manages patient demographics and identifier details.

Technical details
<table>
<thead>
<tr>
<th>Ref</th>
<th>Interaction</th>
<th>End point</th>
<th>Description</th>
<th>Transaction Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Get patient by demographics</td>
<td>IL</td>
<td>The message includes the query criteria which may include one or more patient identifiers and/or one or more demographic attributes.</td>
<td>1. PDQ ITI-21 transaction QBP-Q22&lt;br&gt;2. Patient Demographics Query IHE ITI PDQm Transaction</td>
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<tr>
<td>2</td>
<td>Get patient from CR by demographics</td>
<td>CR</td>
<td>The message from the PoS is passed directly through to the CR by the IL.</td>
<td>1. PDQ ITI-21 transaction QBP-Q22&lt;br&gt;2. Patient Demographics Query IHE ITI PDQm Transaction</td>
</tr>
<tr>
<td>3</td>
<td>Return patient record</td>
<td>IL</td>
<td>The response returns the patient(s) that matched the query criteria. It may consist of zero or more patient demographic records.</td>
<td>1. PDQ ITI-21 transaction RSP-K22&lt;br&gt;2. Query Patient Resource Response (ITI TF-2c:3.Y1.4.2): Bundle (Patient)</td>
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<tr>
<td>4</td>
<td>Return patient record</td>
<td>PoS</td>
<td>The message from the CR is passed directly through to the PoS by the IL.</td>
<td>1. PDQ ITI-21 transaction RSP-K22&lt;br&gt;2. Query Patient Resource Response (ITI TF-2c:3.Y1.4.2): Bundle (Patient)</td>
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