Update patient demographic record workflow

Overview

Description: This transaction allows the Point-of-Service (PoS) systems to update a patient record in the client registry. The following sequence diagram show the steps involved.

Sponsor: Shaun Grannis (in collaboration with the Client Registry community)

Status: In Progress

Referenced Standards and APIs:

- ADT^A08 - IHE ITI-8 Transactions

Assumptions and prerequisites

- The Point-of-Service 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).
- The Patient to be updated is assumed to already exist in the Client Registry.

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.

Notice

The official version of the OHIE workflows can be found in the OpenHIE Architecture Specification.
### Technical details

<table>
<thead>
<tr>
<th>Ref</th>
<th>Interaction</th>
<th>Endpoint</th>
<th>Data</th>
<th>Transaction Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Update patient</td>
<td>IL</td>
<td>The format of the message is specified by the ITI-8 IHE PIX v2 transaction and takes the form of an HL7v2.3.1 A08 message. The message may include both identifiers and demographic attributes for the patient to be updated.</td>
<td>PIF ITI-8 transaction ADT^A08 Patient Identity Feed IHE ITI-8 Transactions</td>
</tr>
<tr>
<td>2</td>
<td>Update patient</td>
<td>CR</td>
<td>The message from the Point-of-Service system is passed directly through to the CR by the IL.</td>
<td>PIF ITI-8 transaction ADT^A08 Patient Identity Feed IHE ITI-8 Transactions</td>
</tr>
<tr>
<td>3</td>
<td>Acknowledge patient updated</td>
<td>IL</td>
<td>The response message is an HL7 ACK. See ITI TF-2x: C.2.3, &quot;Acknowledgment Modes&quot; for definition and discussion of the ACK message.</td>
<td>PIF ITI-8 transactions HL7 ACK Patient Identity Feed IHE ITI-8 Transactions</td>
</tr>
<tr>
<td>4</td>
<td>Acknowledge patient updated</td>
<td>PoS</td>
<td>The message from the CR is passed directly through to the PoS by the IL.</td>
<td>PIF ITI-8 transactions HL7 ACK Patient Identity Feed IHE ITI-8 Transactions</td>
</tr>
</tbody>
</table>