Create patient demographic record workflow

Notice
The official version of the OHIE workflows can be found in the OpenHIE Architecture Specification.

Overview
Description: This transaction allows a Point-of-Service (PoS) systems to store a patient's demographics in the Client Registry. The following sequence diagram shows the steps that occur during this transaction.

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Status: In Progress

Referenced Standards and APIs:
- ADT^A01, ADT^A04, ADT^A05 - PIF IHE ITI-8 Transactions

Assumptions and prerequisites
- The Point-of-Service (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).
- The workflow will result in a positive acknowledgement message when the patient is successfully created in the Client Registry or if the patient already exists in the Client Registry.
- The workflow will not register a duplicate patient if the patient already exists in the Client Registry.

Actors
- PoS - The point-of-service 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.

Create Patient Demographic Record

[1] Register Patient (Demographics)

[2] Register Patient (Demographics)

[3] Acknowledge patient is in the CR

[4] Acknowledge patient is in the CR

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## Technical Details

<table>
<thead>
<tr>
<th>Ref</th>
<th>Interaction</th>
<th>Endpoint</th>
<th>Data</th>
<th>Transaction Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Register Patient (Demographics)</td>
<td>IL</td>
<td>The message may include both identifiers and demographic attributes for the patient to be registered. The format of the message is specified by the ITI-8 IHE PIX v2 transaction and takes the form of an HL7v2.3.1 A01 (Admission of an in-patient into a facility), A04 (Registration of an outpatient for a visit of the facility), or A05 (registration of patient information ahead of actual admission) message depending on whether the message is the result of admitting an in-patient into a facility, registering an outpatient, or pre-admission of an in-patient.</td>
<td>PIF ITI-8 transactions ADT<em>A01, ADT</em>A04, ADT*A05 Patient Identity Feed IHE ITI-8 Transactions</td>
</tr>
<tr>
<td>2</td>
<td>Register Patient (Demographics)</td>
<td>CR</td>
<td>The message from the PoS is passed directly through to the CR by the IL.</td>
<td>PIF ITI-8 transactions ADT<em>A01, ADT</em>A04, ADT*A05 Patient Identity Feed IHE ITI-8 Transactions</td>
</tr>
<tr>
<td>3</td>
<td>Acknowledge patient is in the CR</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 is in the CR</td>
<td>PoS</td>
<td>The message from the CR is passed directly through to the Point-of-Service by the IL.</td>
<td>PIF ITI-8 transactions HL7 ACK Patient Identity Feed IHE ITI-8 Transactions</td>
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