IHE Change Proposal

Tracking information:

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| IHE Domain | PCC |
| Change Proposal ID: | CP-PCC-0191 |
| Change Proposal Status: | Incoming |
| Date of last update: | July 12, 2015 |
| Person assigned: | Keith Boone |

Change Proposal Summary information:

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| Support for Multi-Patient Queries in QED | |
| Submitter’s Name(s) and e-mail address(es): | keith.boone@ge.com |
| Submission Date: | July 12, 2015 |
| Integration Profile(s) affected: | QED |
| Actor(s) affected: | Clinical Data Source, Clinical Data Consumer |
| IHE Technical Framework or Supplement modified: | PCC TF |
| Volume(s) and Section(s) affected: | 2 |
| In developing the DAF White Paper, PCC identified that there is at present no way to perform a query for clinical data that is not patient specific. Such queries are useful within an enterprise to support reminders, quality measurement, and identification of patients who may be elligible to participate in particular programs. | |

Add the following rows to the table in section 3.4 to Volume 1

|  |  |
| --- | --- |
| Actor | Option |
| Clinical Data Source | Vital Signs Option (1) |
| Problems and Allergies Option (1) |
| Diagnostic Results Option (1) |
| Medications Option (1) |
| Immunizations Option (1) |
| Professional Services Option (1) |
| Multi-Patient Query Option |
| Clinical Data Consumer | Vital Signs Option (1) |
| Problems and Allergies Option (1) |
| Diagnostic Results Option (1) |
| Medications Option (1) |
| Immunizations Option (1) |
| Professional Services Option (1) |
| Multi-Patient Query Option |

### 3.4.7 Multi-Patient Query Option

A Clinical Data Consumer that implements the Multi-Patient Query Option requests information about multiple patients using a wildcard for the patient identifier. A Clinical Data Source that implements the Multi-Patient Query Option responds to a request for information about multiple patients when the patient identifier is expressed using a wildcard.

Update Section 3.1.4.5.15 in Volume 2

##### 3.1.4.5.15 <patientId><value root=' ' extension=' '/></patientId>

The patient identifier shall be specified in this element. The root and extension attributes shall be present. When used in cross enterprise settings, the root attribute shall the affinity domain identity OID.

Sending a query with a known invalid patientId element can be used to *ping* a Clinical Data Source. For example, setting the root attribute to "0" and omitting the extension attribute should result in a response that raises an ILLEGAL detected issue alert on the patientId field, since the value "0" will never be used as the OID of a patient identity domain. This capability can be used by a Clinical Data Consumer to verify that it can connect to a Clinical Data Source when configuration parameters are modified.

To request data for multiple patients, a Clinical Data Consumer implementing the Multi-Patient Query Option shall use the \* character in the extension when specifying that any patient identifier will match. When this wildcard is used, the <patientName>, <patientGenderCode> or <patientBirthTime> elements shall not be used.

##### <registrationEvent>

At least one <registrationEvent> element shall be be present for each set of records returned from a different custodial source.

The <registrationEvent> is used to record the information about how the <careProvisionEvent> being returned was recorded or "registered" in the custodial system. The response to a Care Profile query is a CareProvisionEvent that is constructed in response to the query. This <careProvisionEvent> is transitory in nature, and has limited "registration" information content.

A Clinical Data Source that aggregates information from two or more other data repositories shall separate the information into multiple <registrationEvent> elements so as to record the different custodians of the information.

A Clinical Data Source that implements the Multi-Patient Query Option and is responding to a query asking for information about multiple patients shall separate information about each distinct patient into multiple <registrationEvent> elements so as to record the different patients associated with each response.