SDWG - PHMR Subgroup Meeting

**Logistics:**

*Date / Time:* Nov. 5, 2014, 10:00am to 11:00am EDT

*Location:* Telco

*Facilitator:* Martin Rosner

Note taker: Martin Rosner

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Meeting information

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**Attendees:**

|  |  |  |
| --- | --- | --- |
| Name | Affiliation | Present |
| Asim Muhammad | Philips | X |
| Martin Rosner | Philips | X |
| Brian Reinhold | Lamprey Networks | X |

**Agenda:**

1. Review latest draft PHMR objects in Trifolia tool

**Minutes Approval:**

This is the first PHMR subteam call.

**Action Items:**

* Martin – update the wiki page and add minutes.
* Brian – draft other CCDA-consistent PHMR objects.

1. **Review latest draft PHMR objects in Trifolia tool**

Some technical issues with Trifolia but other than that the progress has been good.

Created a Universal header starting with the old PHMR document and comparing/consolidating differences between the US header. The US realm header is a subset of the Universal header that Brian drafted.

The CCDA states that LOINC SHOULD be used. However for PHMR we are drafting objects that need to align with IHE PCC - to use MDC with translation element to SNOMED. MDC and SNOMED include information on how the measurement was actually taken, which is important for PHMR. IHE PCC wants to include PHMR so we need to align with IHE –alignment with SNOMED and MDC is important.

Brian drafts object for Device Numeric Observation where a device will capture the measurement. This is the first object that is in CCDA-consistent form. Additional objects are being drafted including the Device Waveform Observation.

We should try to model the final spec as close as possible to the DSTU PHRM as the PHMR is already used in the market (for example in the UK).

The Rosetta terminology also provides mapping mechanism between MDC and SNOMED.

We reviewed the Device Numeric Observation – OID 2.16.840.1.113883.10.20.36.8

1) SHALL contain exactly one [1..1] @classCode="OBS" (CONF:1141-8).

2) SHALL contain exactly one [1..1] @moodCode="EVN" Event (CONF:1141-9).

3) SHALL contain exactly one [1..1] templateId (CONF:1141-10).

1) This templateId SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.36.8" (CONF:1141-11).

4) MAY contain zero or more [0..\*] templateId (CONF:1141-944).

1) A Numeric Observation MAY also conform to other observation templates (such as a Result Observation). If so, it MAY also include the templateIds for those observation types (CONF:1141-945).

5) SHALL contain exactly one [1..1] code (CONF:1141-12).

1) Observations from medical devices SHALL either be from SNOMED (CodeSystem: 2.16.840.1.113883.6.96) or MDC (CodeSystem: 2.16.840.1.113883.6.24 DYNAMIC). A translation element SHOULD be present providing the MDC code if SNOMED is used or SNOMED if MDC is used. An additional translation element MAY be present providing the code from LOINC (CodeSystem: 2.16.840.1.113883.6.1) (CONF:1141-947).

6) SHOULD contain zero or one [0..1] text (CONF:1141-948).

1) The text, if present, SHOULD contain zero or one [0..1] reference (CONF:1141-949).

1) The reference, if present, SHOULD contain zero or one [0..1] @value (CONF:1141-951).

1) This reference/@value SHALL begin with a '#' and SHALL point to its corresponding narrative (using the approach defined in CDA Release 2, section 4.3.5.1) (CONF:1141-935) (CONF:1141-952).

7) SHALL contain exactly one [1..1] statusCode (CONF:1141-971).

1) This statusCode SHALL contain exactly one [1..1] @code="completed" Completed (CONF:1141-972).

Represents the clinically effective time of the measurement, which may be when the measurement was performed if the medical device reports such information when it takes the measaurement or it may be when the data was obtained from the device if the device does not report time. 11073 devices are required to report the time of measurement if the data is stored.

8) SHALL contain exactly one [1..1] effectiveTime (CONF:1141-946).

9) SHALL contain exactly one [1..1] value with @xsi:type="PQ" (CONF:1141-973).

1) This value SHALL contain exactly one [1..1] @unit, which SHALL be selected from ValueSet UnitsOfMeasureCaseSensitive 2.16.840.1.113883.1.11.12839 DYNAMIC (CONF:1141-974).

10) MAY contain zero or more [0..\*] interpretationCode (CONF:1141-975).

11) MAY contain zero or more [0..\*] methodCode (CONF:1141-976).

12) MAY contain zero or more [0..\*] targetSiteCode (CONF:1141-977).

13) MAY contain zero or more [0..\*] author (CONF:1141-980).

The participant in this entry indicates the PHM device the observation came from. The observation may have been entered manually or reported directly by the device. If the observation is reported directly by the device, an entryRelationship SHALL be present and this element is not needed

14) SHOULD contain exactly one [1..1] participant (CONF:1141-978).

1) This participant SHALL contain exactly one [1..1] participantRole (CONF:1141-979).

1) This participantRole SHALL contain exactly one [1..1] id (CONF:1141-986).

1) This id SHALL contain exactly one [1..1] @root="1.2.840.10004.1.1.1.0.0.1.0.0.1.2680" (CONF:1141-987).

2) This id SHALL contain exactly one [1..1] @extension (CONF:1141-988).

1) The extension shall contain the value of the system id attribute of the device responsible for the observation (CONF:1141-992).

3) This id SHALL contain exactly one [1..1] @assigningAuthorityName="EUI-64" (CONF:1141-989).

The presence of the entryRelationship indicates that the observation was reported directly by the device and not manually entered. If this element is present, the presence of the participant element is superfluous. A participant element should be present if the observation is taken by a PHM device but manually entered.

15) MAY contain zero or one [0..1] entryRelationship (CONF:1141-982).

1) The entryRelationship, if present, SHALL contain exactly one [1..1] act (CONF:1141-990).

1) This act SHALL contain zero or more [0..\*] id (CONF:1141-991).

1) The id, if present, SHALL contain zero or one [0..1] @root="1.2.840.10004.1.1.1.0.0.1.0.0.1.2680" (CONF:1141-993).

2) The id, if present, SHALL contain exactly one [1..1] @extension (CONF:1141-995).

1) The extension shall contain the value of the system id attribute of the device responsible for the observation (CONF:1141-996).

3) The id, if present, SHALL contain exactly one [1..1] @assigningAuthorityName="EUI-64" (CONF:1141-994).

2) This entry SHALL be present if the observation was obtained directly from a PHM device (CONF:1141-984).

3) This entry SHALL NOT be present if the observation was entered manually (CONF:1141-985).

**AOB**

**Next Regular Call**

* November 12, 2014