FHIMS WG Terminology Modeling Sub-Project Meeting

Summary of Call

Date/time of call: Wednesday, June 5, 2013, 2:00 - 3:30 PM

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| **Attendees** | | | |
| Jay Lyle - FHA PMO |  | Robert Crawford – VA |  |
| Rob McClure - VA/VHA |  | Nancy Cornish – CDC |  |
| Bill Hess – FDA |  | LuAnne Barron – VA |  |
| Galen Mulrooney - VA/VHA |  | Riki Merrick |  |
| Susan Matney – 3M |  | Kevin Coonan |  |
| Jim Case – NLM |  | Mary Beth Gagnon - CDC |  |
| Steve Wagner – FHA |  | Pam Banning |  |
| David Bass – VA |  | Glen Janzen – IHS |  |
| Mark Roche |  | Steve Hufnagel – DoD |  |
| Sean Muir – VA |  | Rob Savage – CDC |  |
| Jerry Sable – CDC |  | Richard Thoreson |  |
| Ioana Singureanu |  | Sundak Ganesen |  |
| Ben Bovee – DoD (iEHR) |  |  |  |

Agenda

1. Confirm immunization loose ends
2. ImmunityStatus.statusCategory
   1. Susceptible, Equivocal, Immune, Currently infected
   2. Not dependent on a vaccination event
   3. Optionally linked to a source problem, or test, or vaccination series



1. EvidenceOfImmunity.evidenceCategory
   1. “serological test,” “history of disease,” “completed immunization series” for evidence category
   2. plus “disease” property to clarify for which disease we have this evidence (and to support use of IIS values).
2. MedicationAdministrationEvent.doseForm
   1. <http://www.fda.gov/Drugs/DevelopmentApprovalProcess/FormsSubmissionRequirements/ElectronicSubmissions/DataStandardsManualmonographs/ucm071666.htm>
3. Evaluation outcome and reason
   1. FHIM draft: Valid, invalid, never evaluated
   2. ACIP implementation guidance:

|  |  |
| --- | --- |
| **Status** | **Relevant Meaning** |
| Extraneous | An extraneous evaluation status means the vaccine dose administered was not administered according to ACIP recommendations, but the dose does not need to be repeated (including maximum age and extra doses.) |
| Not Valid | A not valid evaluation status means the vaccine dose administered was not administered according to ACIP recommendations and must be repeated at an appropriate time in the future. |
| Valid | A valid evaluation status means the vaccine dose administered was administered according to ACIP recommendations. |
| Sub-standard | A sub-standard evaluation status means the vaccine dose administered has a known dose condition (e.g., expired, sub-potent, and recall) which requires the dose to be repeated at an appropriate time in the future. |

* 1. Reason: possible to infer from ACIP implementation, but also possibly volatile. Keep as text, but recommend using guide values?

1. Target dose number status: satisfied or not satisfied.

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| **Target Dose Status** | **Relevant Meaning** |
| Not Satisfied | A not satisfied target dose status means no vaccine dose administered has met the goals of the target dose. |
| Satisfied | A satisfied target dose status means a vaccine dose administered has met the goals of the target dose. |
| Skipped | A skipped target dose status means no vaccine dose administered has met the goals of the target dose; due to the patient’s age, the target Dose does not need to be satisfied. |
| Substituted | A substituted target dose status means a vaccine dose administered earlier in the patient series was used for the target dose. |

1. Patient Series status (was “V3 state machine”)

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| **Patient Series Status** | **Relevant Meaning** |
| Complete | A complete patient series status means the patient has met all of the ACIP recommendations for the patient series. |
| Contraindicated | A contraindicated patient series status means the patient’s medical history indicates no further immunizations should be administered for the patient series. |
| Immune | An immune patient series status means the patient has evidence of immunity indicating no further immunizations are needed for the patient series. |
| Not Complete | A not complete patient series status means the patient has not yet met all of the ACIP recommendations for the patient series. |

1. Homework: Review dispositions of Immunization requirements
   1. Not coded

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| Class | Property | Disposition |
| Contraindication | code | Different package |
| MedicationAdministrationEvent | method | Different package |
| MedicationAdministrationRequest | method | Different package |
| Evaluation | reason | No longer coded |
| MedicationAdministrationRequest | routingInstruction | No longer coded |
| Indication | indicationCode | Removed from model |
| MedicationAdministrationEvent | treatmentRefusalReason | Removed from model |
| MedicationAdministrationPromise | administrationStatus | Removed from model |
| MedicationAdministrationRequest | siteModifier | Removed from model |
| VaccineGroup | category | Removed from model |

* 1. coded

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| Property | bindingStatus | valueSetName | valueSetOID | valueSetDefinition |
| CommentEvent conditionOfUse | 3 - Ready for SME Review | Vaccination Special Indication (IIS) | 2.16.840.1.114222.4.11.3290 | Describes a factor about the client which may impact forecasting of next dose of vaccine needed. |
| Evaluation outcome | 1 - In Process | Immunization Dose Evaluation |  |  |
| EvidenceOfImmunity evidenceCategory | 1 - In Process |  |  |  |
| Exemption reason | 3 - Ready for SME Review | Immunization Refusal Reason Excluding Nulls | 2.16.840.1.113883.3.2074.1.1.4 | Causes specified for refusing vaccination, combined with roles of those deciding to refuse it. This value set includes all the codes from PHVS\_SubstanceRefusalReason\_IIS (2.16.840.1.114222.4.11.3380) except "Other." |
| ImmunityStatus statusCategory | 1 - In Process |  |  |  |
| ImmunizationFundingEligibility financialClass | 3 - Ready for SME Review | Financial Class (IIS) | 2.16.840.1.114222.4.11.3366 | User-defined Table 0064 - Financial class [NIP suggested values] (use in PV1-20) Financial class references a clients eligibility status at a point in time. The values in this table relate to eligibility for the Vaccine for Children (VFC) program. Local |
| ImmunizationHistory informationSource | 2 - Ready for FHIM Review | Immunization Information Source | 2.16.840.1.113883.3.88.12.80.39 | This identifies the source of information for this immunization record or, more generically, whether the immunization being reported has just been administered (new) or came from other records (historical) |
| Manufacturer mvx | 2 - Ready for FHIM Review | Manufacturers of vaccines (MVX) | 2.16.840.1.114222.4.11.826 | The CDC's National Immunization Program (NIP) maintains the HL7 external code set MVX. HL7 version 2.x Manufacturers of vaccines (code=MVX) used in chapter(s) 4 |
| MedicationAdministrationEvent doseForm | 1 - In Process |  |  |  |
| MedicationAdministrationEvent route | 3 - Ready for SME Review | Route Of Administration (IIS) | 2.16.840.1.114222.4.11.3369 | HITSP has specified the use of the FDA route of administration. Implementation guide has mapping to the Table 0162 Route of Administration |
| MedicationAdministrationEvent site | 3 - Ready for SME Review | Administrative Site (IIS) | 2.16.840.1.114222.4.11.3370 | HL7-defined Table 0163 - Administrative site [only selected values listed] (use in RXR-2) |
| MedicationAdministrationEvent status | 2 - Ready for FHIM Review | Treatment Completion Status (HL7) | 2.16.840.1.114222.4.11.821 | status of treatment administration event. Uses HL7 table 0322 |
| MedicationAdministrationEvent status | 3 - Ready for SME Review | ActStatus | 2.16.840.1.113883.1.11.15933 | Contains the names (codes) for each of the states in the state-machine of the RIM Act class. |
| MedicationAdministrationRequest route | 3 - Ready for SME Review | Route Of Administration (IIS) | 2.16.840.1.114222.4.11.3369 | HITSP has specified the use of the FDA route of administration. Implementation guide has mapping to the Table 0162 Route of Administration |
| MedicationAdministrationRequest site | 3 - Ready for SME Review | Administrative Site (IIS) | 2.16.840.1.114222.4.11.3370 | HL7-defined Table 0163 - Administrative site [only selected values listed] (use in RXR-2) |
| PatientSeries status | 2 - Ready for FHIM Review | ActStatus | 2.16.840.1.113883.1.11.15933 | Contains the names (codes) for each of the states in the state-machine of the RIM Act class. |
| PublicHealthClient status | 2 - Ready for FHIM Review | Pt Immunization Registry Status Excluding Nulls | 2.16.840.1.113883.3.2074.1.1.2 | Standing of registry information regarding a patient. This information indicates whether patient information is current and appropriate for updates, and is used in HL7 V2 segment PD1-16. |
| TargetDoseNumber status | 1 - In Process | Immunization Dose Fulfillment |  |  |
| VaccinationEvent fundingSource | 2 - Ready for FHIM Review | Immunization Information Source | 2.16.840.1.113883.3.88.12.80.39 | This identifies the source of information for this immunization record or, more generically, whether the immunization being reported has just been administered (new) or came from other records (historical) |
| Vaccine vaccineCode | 3 - Ready for SME Review | Vaccines administered (CVX) | 2.16.840.1.114222.4.11.934 | Vaccine Name Keyword: Clinical Vaccines, Vaccine Names |
| VaccineContraindication\_CDC\_IIS code | 3 - Ready for SME Review | Vaccination Contraindication (IIS) | 2.16.840.1.114222.4.11.3288 | Indicates a contraindication to vaccination. |
| VaccineInformationStatement language | 3 - Ready for SME Review | Language | 2.16.840.1.114222.4.11.831 | Primary spoken language |

1. Allergy domain
   1. SMEs
      1. iEHR representative. Ask Erik Pupo.
      2. Kevin.
      3. Mike Lincoln had been involved.
      4. David Bass
   2. Use cases
      1. Transition of care (e.g., S&I)
      2. HITSP
      3. Ask iEHR
      4. HL7 DAM ([allergy](http://wiki.hl7.org/images/4/47/V3DAM_ALLERGY_R1_I1_2013JAN_Storyboards.pdf), care coordination)
   3. FHIM team did review terminology once.
   4. Note: reactant is one slot but MU may require separation.
   5. Add an occurrence time to ReportedReaction

**Schedule of Future Meetings**

1) The weekly general Information Modeling (IM) project call is held each Friday from 2:30 to 4:30 PM Eastern Time.

Information for participating in the calls:

Name: FHIMS WG Information Modeling Project Call

Recurring Weekly Call Every Friday

Time of Call: 2:30 to 4:30 PM Eastern Time

Dial-in Information: 1 (773) 897-3018, Access Code: 585-151-437

Web Meeting URL: https://global.gotomeeti​ng.com/meeting/join/5851​51437

2) The weekly Terminology Information modeling calls are held on Wednesdays from 2-3:30 PM Eastern Time.

Information for participating in the calls:

Name: FHIMS WG Information Modeling Project Call

Recurring Weekly Call Every Wednesday

Time of Call: 2:00 to 3:30 PM Eastern Time

Dial-in Information: 1 (773) 897-3018, Access Code: 585-151-437

Web Meeting URL: https://global.gotomeeti​ng.com/meeting/join/5851​51437

**Action Items**

| Item Description | Responsible Individual | Due Date |
| --- | --- | --- |
| Assess how closely we can align with APHL work   * We agree on current state; happy to work with/wait on abnormality & device | Jay | 4/11 |
| Acquire sample messages   * In process: values, not messages, which have not been scrubbed | Jay | 4/11 |