EHR Immunization Functional Profile Project – Meeting Notes

1 August 2016

Attendees

Kevin Brady

Beverly Buckta

Nathan Bunker

Gary Dickinson, Co-Lead

Floyd Eisenberg MD

William Friggle

Craig Newman

Scott Robertson

Robert Snelick

David Tao

Natalie Viator

Regrets

Noam Arzt

Mario Hyland

Mark Janczewski MD, Co-Lead

Galen Mulrooney

John Roberts

1. Noted establishment of project Wiki: <http://wiki.hl7.org/index.php?title=EHR_Immunization_Functional_Profile>

Wiki contains documents and links to: list of contributions/contributors/readiness, kickoff slide set, reference materials, use case templates, EHR and PHR System Functional Models, Federal Health Information Model (FHIM) Immunization domain, Tools and EHR-S FM related FHIR work.

2. Reviewed kickoff slide set:

<http://wiki.hl7.org/images/3/3b/EHR-Immunization_FP-Overview_Slides-20160801b.pdf>

Slide set is an overview of:

* ISO/HL7 10781 Electronic Health Record System Functional Model Release 2 (EHR-S FM)
* Functional Profile (FP) development process
* Tooling Support for EHR/PHR System FMs and FPs
* Current list of FPs based on EHR-S FM
* Current list of known national programs using EHR-S FM, including language translations
* Contributors, contributions and readiness
* Relationship between IFP project and pending Collaborative End-to-End Immunization Project
  + From sketch to implementation
* EHR-S FM on FHIR project
* Existing and developing Public Health FPs
* Planning and Task List

3. Reviewed proposed task list (following), starting with an environmental scan to identify documents, projects and links of interest.

4. Considered looking at use cases and completing simple template for each scenario, including: event step, actor, actor role, event description, inputs and output. See template (following).

5. Identified issues and points for further discussion/consideration.

* Should the FP be Normative or DSTU? PSS currently says normative.
* Should the FP be US (specific) or International (more general)? PSS currently says international.
* Should we consider this project as filling EHR-S functionality gap as US MU has focused more toward “interoperability” in 2014/2015 Editions?
* Might we develop a PHR-S FM Immunization Profile?
* Relationship with Other Projects
  + CIC: EHR-S and Any Registry
* Data requirements: How best to reference?
  + Should the FP specify SHALL/SHOULD/MAY at data element level?

6. Next meeting will be on Monday, 8 August, at 11AM ET. We will continue this weekly meeting time at least until the HL7 Baltimore meeting.

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| **Focus** | **Tasks** | **Who** |
| 1. Environmental Scan | * Identify Sources for Review, Analysis, Inclusion or Reference * Functional Models and Profiles * EHR and PHR System * Conformance Profiles * Domain Analysis Models * FHIM, CIMI (and RIM?) Immunization Models * Implementation Guides * Use Cases | Everyone |
| 2. MU FP 2015 Edition | * Review Functions and Criteria in Section §170.315(f)(1), “Transmission to Immunization Registries” * Add/modify as appropriate |  |
| 3. Use Cases | * Identify Sources: HL7 Immunization DAM, CNI/HIMSS Immunization Integration Program (IIP) and others * Initially: extract use case scenarios, including: events, event steps, actors, roles, inputs and outputs * Fill out Use Case Scenario Worksheet * Later: determine actions taken (within each event) and link to EHR-S FM functions and related criteria * Add/modify as appropriate |  |
| 4-5. EHR-S FM | * Review Immunization Related Functions, Names, Statements, Descriptions and Conformance Criteria and specifically Sections CP.6.2 and CPS.6.2 * Add/modify as appropriate |  |
|  | * Review ALL sections, functions and conformance criteria relevant to immunizations * CP – Care Provision * CPS – Care Provision Support * AS – Administrative Support * POP – Population Health Support * RI – Record Infrastructure * TI – Trust Infrastructure * Add/modify as appropriate |  |
| 6. PHR-S FM | * Review Immunization Related Functions and Criteria * Add/modify as appropriate |  |
| 7. Data Objects and Elements | * Identify Sources: FHIM, CIMI, FHIR, Immunization DAM, IIP * Specify data requirements by reference |  |
| 8. Testing | * Establish characteristics of testable criteria |  |
| 9. EHR-S & Registries | * Establish functional requirements for general purpose registry | Liaison with CIC |

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| Start: Capture Use Case Scenarios and Event Steps and for each Step - Actor, Role, Event, Input and Output (Col A-F) Later: Determine Actions Taken (ultimately linked to EHR-S FM functions and conformance criteria) (Col G) | | | | | | |
| Event Step | Actor | Actor Role | Event | Data Requirements | | Functional Requirements |
| Input(s) | Output(s) | Action(s) |
| 1-N | Organization, individual or software/device |  | Description | Data/records required to initiate or inform Event | Data/records originated or updated during Event | Task, act or process step(s) undertaken during Event |
| Scenario 1 [follows] | | | | | | |
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| Scenario 2 [follows] | | | | | | |
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