**Update on Federal Health Information Model (FHIM) Activities**

*Submitted by Steve Wagner, Health Information Modeling Workgroup*

*Information and Terminology Modeling Activities*

FHIM modeling is currently supporting two framework initiatives - Structured Data Capture (SDC) and Data Access Framework (DAF).

Initial modeling of information to support the DAF initiative is complete. Modeling to support the SDC initiative is underway.

In addition to modeling support for the framework initiatives, FHIM modeling is also being accomplished in support of the FHA initiatives led by the FHA Data Exchange &Interoperability Workgroup related to Patient Consent & Authorization. This area has already been modeled in the FHIM, so further modeling in this area will probably only involve updates to the FHIM.

FHIM information modeling is currently underway on the Adverse Event Reporting information domain. Terminology modeling and value set definition work is also being accomplished for the Adverse Event Reporting information domain.

Work continues on fully integrating the FHIM into the S&I Framework process. To this end, the FHIM has been mapped to the most recent version of a comprehensive spreadsheet of data elements supporting all S&I Framework initiatives as of March 2012. Two more mapping steps are underway. The first will update the comprehensive mapping spreadsheet to include the most recent data requirements for all ongoing S&I Framework initiatives. The second will add the data elements for all inactive S&I Framework initiatives. Once all mapping steps are complete, S&I Framework initiatives can begin modeling their information in the FHIM early in the S&I Framework process, during the use case analysis and development phase.

*FHIM Administrative Activities*

FHIM validation - The FHIM team has distributed four FHIM information domains to the federal partners for review, comment and validation. Feedback has been received and processed. Additional information domains are being prepared for distribution.

Process Guides - work has been completed on developing/updating the three process and one style guide to support the model driven architecture (MDA) approach to generating implementation standards. There are now process guides for information modeling, terminology modeling and MDA implementation modeling and a style guide for information modeling.

The vision for the FHIM that was described in the original FHA project charter has been met. The FHIM, the associated terminologies and value sets and model driven health tools (MDHT) have been integrated into a comprehensive MDA approach to generating implementation standards (guides) that is ready for use by the federal partners and that is beginning to be leveraged by and fully integrated into the S&I Framework process. This MDA approach has demonstrated that it can generate implementation standards (guides) in two platform specific formats - CDA and NIEM (National Information Exchange Model). This approach is also capable of supporting other formats such as HL7 FHIR, HL7 v2 and HL7 v3 messages.

Further work on the FHIM and the MDA approach is continuing, supported by the federal partners and ONC.

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