IHE Work Item Proposal (Short)

# Proposed Work Item: US National Extension for Patient Registration to the ITI Patient Administration Management Integration Profile

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Domain: Health Information Management (HIM); AHIMA

# The Problem

<Summarize the integration problem. What doesn’t work, or what needs to work?>

Patient registration process and data collection during this process are implemented differently in different healthcare organizations in the US. This creates problems with patient record matching in health information systems and with the overall information trust across organizations involved in information exchange. We propose to re-evaluate the relevant HL7®[[1]](#footnote-1) v2.5.1 segments from the IHE ITI PAM Profile for patient registration with the subject matter experts from the AHIMA Standards Task Force and develop the US national extension constraints on these segments as needed.

<Describe the Value Statement: What is the underlying cost incurred by the problem and what is to be gained by solving it? If possible provide quantifiable costs, or data to demonstrate the scale of the problem.>

The target audience for the ITI PAM US national extension includes

* Health IT (HIT) products vendors including Electronic Health Record (EHR) systems and ancillary systems vendors involved in patient registration data capture and sharing
* Healthcare organizations that purchase the HIT products for patient registration.

The ITI PAM US national extension will provide healthcare organizations with the data requirements to use in their RFP process for purchasing HIT products.

This proposal is based on the IHE PCC Patient Registration Demographic Data Capture and Exchange White Paper (to be published by the end of September 2017) that described the requirements and constraints for patient demographic data only. In addition to patient demographic data, provider and encounter demographics, consent, insurance and payment data are also captured and exchanged during patient registration. The proposed US National Extension to the IHE ITI PAM Profile will include detailed requirements and constraints on all these data elements that were shown in Table 2.2.3-1 Patient Registration Information from IHE PCC white paper. The workflow and requirements for these data elements were specified in the AHIMA Patient Registration Use Case[[2]](#footnote-2).

# Key Use Case

<Describe a short use case scenario from the user perspective. The use case should demonstrate the integration/workflow problem. Feel free to add a second use case scenario demonstrating how it “should” work. Try to indicate the people/systems, the tasks they are doing, the information they need, and where the information should come from.>

The detail description of the patient registration use case in emergency department was provided in the IHE PCC white paper in Table 2.2.1-1. In addition to patient registration in the emergency department, the ITI PAM US national extension will include scenarios for patient registration in in-patient and out-patient settings.

# Standards & Systems

<List existing systems that are/could be involved in the problem/solution.>

As defined in the IHE PCC white paper (Table 2.2.1-1), the technical actors (systems) involved in the problem/solution include: Registration-Admission/Discharge/Transfer (R-ADT) System, Health Information System (HIS), Financial System, Payor System, Electronic Health Record (EHR) system, Electronic Document Management System (EDMS), Health Information Exchange (HIE), Personal Health Record (PHR), Mobile Health Application (mHealth App).

<If known, list specific components of standards which might be relevant to the solution.>

HL7®[[3]](#footnote-3) v2.5.1 segments from the IHE ITI PAM Profile for patient registration.

# Discussion

<If possible, indicate why IHE would be a good venue to solve the problem and what you think IHE should do to solve it.>

The ITI PAM US national extension will assure the concreteness in data capture across HIT products thus providing solution to trust information exchanged between systems. This effort will also help the adoption of IHE PAM and other IHE profiles in healthcare organizations that implemented HIT.

<A one page proposal is preferred. Please do not exceed two pages.>

1. HL7 is the registered trademark of Health Level Seven International. [↑](#footnote-ref-1)
2. American Health Information Management Association (AHIMA). Specification of Use Cases for Information Management Practices in Healthcare: Patient Registration Use Case. Under Development. URL: Standards@ahima.org [↑](#footnote-ref-2)
3. HL7 is the registered trademark of Health Level Seven International. [↑](#footnote-ref-3)