

Get Official Immunization History Profiles

Subtitle HL7 Messages to Request and Return an Official Immunization History Document

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# Introduction

Immunization Information Systems (IIS) are centralized population based repositories of immunization related information. They receive and share data on individual clients/patients with a number of other systems, including Electronic Health Record systems (EHR-S). IIS have functionality that evaluates the recorded immunization history for a person. It determines if the doses recorded were given appropriately and forecasts when next doses are due, based on guidance from the Advisory Committee on Immunization Practices (ACIP).

Health Level Seven (HL7) is a nationally recognized standard for electronic data exchange between systems housing health care data. The HL7 standard is a key factor that supports this two-way exchange of information because it defines a syntax or grammar for formulating the messages that carry this information. It further describes a standard vocabulary that is used in these messages. It does not depend on specific software, that is, it is platform independent.

This Guide and its associated profiles was developed using a tool developed by the National Institute of Standards and Testing (NIST). IGAMT captures the specifications for the messages in profiles. These profiles may be imported into another NIST developed tool, TCAMT, which tests conformance of the message against the profile.

# Use Cases

This set of profiles will support requesting an Official Immunization History and Forecast from IIS. It will use HL7 Version 2.5.1 messages, but will preadapt some features of Version 2.7.1. The Official Immunization History will be in the form of a PDF document. It is based on a set of requirements first developed in Michigan by the Michigan Care Improvement Registry (MCIR).

## Actors

## General Assumptions

### Assumptions

### Pre-conditions

### Post-conditions

## Use Case

### User Story

### Specific Assumptions

#### **Assumptions**

#### **Pre-conditions**

#### **Post-conditions**

### Scenario

#### **new Section38866**

### Context

### Interaction Model

### Functional Requirements

# Message Infrastructure

## Conformance Profiles

## Segments and Field Descriptions

## Datatypes

## Value Sets