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Tools and Solutions

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The *Infoway* Interoperability Solutions allow developers to implement interfaces to the electronic health record (EHR) faster and more efficiently. The solutions include improved documentation for developers and an open source plug-in for receiving and sending standards-based interoperability messages.

To gain access to the Interoperability Solutions, please complete the [Access Request form](#).



Infoway Message Builder

Infoway Message Builder allows developers to focus on the business challenges of integrating their solutions with each electronic health record implementation by abstracting the differences between different versions of pan-Canadian HL7 messaging and supporting current implementation constraints. Developers can build interfaces in a familiar development environment, using the programming language of their choice*, while the Message Builder API fosters quick and easy creation, population and access to HL7v3 requests and responses.

Infoway Message Builder offers a number of key features and benefits:

- Abstracts the complexity of HL7v3 messages and greatly

simplifies the work of the developer when implementing them;

- Reduces the impact on developers from implementation variations;
- Enables companies to achieve Infoway product certification with greater confidence and reduced time;
- Enables developers to incorporate future message versions without re-writing their products;
- Can be embedded in software applications due to its open source distribution under a commercial-friendly Apache 2.0 license.

Learn more about Message Builder:

- [Features](#)
- [Installation](#)
- [Quickstart](#)
- [Demonstration Video](#)
- [Message Builder Validator Online](#)
- [Support](#)
- [User Guide](#)
- [Webcasts and Training](#)

Infoway InfoCentral

Infoway's InfoCentral helps to connect knowledge, standards, tools and solutions with potential and existing users and enables collaboration for communities of practices. For example, developers who are implementing HL7 interfaces now have an easy, single point of access to obtain the documentation, implementation guides, specifications, and standards they need in order to build applications to connect and exchange health information with provincial and territorial EHR systems. With this single source, developers who implement in more than one jurisdiction can easily compare specifications and standards—reducing the time required to implement their solutions.

InfoCentral offers a number of key features and benefits:

- Extensive, hyperlinked documentation for pan-Canadian and jurisdictional message standards and implementation guides;
- Standards material including SNOMED CT, pan-Canadian LOINC Observation Code Database (pCLOCD), pan-Canadian messaging standards, etc.;
- Embedded code snippets and examples;
- Community discussions and other resources—contributed by developers to help developers;
- Browse or search capability—through thousands of pages, postings and attachments.

Infoway Testing Environment

The *Infoway* Testing Environment allows developers implementing HL7 interfaces to test the integration of their application to the Electronic Health Record (EHR) Infostructure, including testing transport level interoperability and privacy/security functionality. The Testing Environment mimics an EHR that supports current pan-Canadian standards and, wherever possible, specific jurisdictional implementations of these standards.

The *Infoway* Testing Environment offers a number of key features and benefits:

- Validates interoperable messages or Clinical Document Architecture (CDA) documents (semantically and structurally);
- Automates the testing of applications against sets of test cases and test data;
- Supports the creation and management of test cases and test data;
- Easily incorporates other systems into tests, allowing messages to be passed along for additional processing.

Infoway Terminology Tools

The *Infoway* Terminology Tools encompass terminology libraries, subsets and maps. Aside from containing tens of thousands of terms, Terminology Tools allow for the creation of maps (translations) between different coding schemes and different terminologies or nomenclatures—for example, mapping to/from SNOMED-CT and other terminologies. The Terminology Tools maintain a repository of maps that have already been created, greatly reducing development efforts.

The Terminology Tools comprise of the following:

- [Apelon TermWorks](#)
- [Apelon DTS Editor](#)

Infoway Message ReMixer

Infoway Message ReMixer is a web-based application that allows for the localization of pan-Canadian Standards (pCS) messages to meet jurisdictional requirements, all while maintaining the integrity of the original, standard message. *Infoway* Message ReMixer facilitates easier and faster standards adoption and harmonization through the use of a common starting point and a common delta format.

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