![Canada Health Infoway / Inforoute Santé du Canada logo]

Example Messages Overview
Volume 7 – Shared Health Record

Overview

This document is in addition to the Example Messages Overview Document and includes specific information for Volume 7 example instances.

Scope

The sample messages developed to date are representative of the Volume 7 suite of transactions. Those included are listed below:

- C12.01 - Record Patient Health Condition (REPC_IN000028CA, REPC_IN000029CA)

- C29.01 - Record Patient Referral (REPC_IN000096CA, REPC_IN000097CA)

- C28.01 - Record Patient Discharge/Care-Summary (REPC_IN000076CA), REPC_IN000077)

- C21.08 - Record Patient Clinical Observation Document (REPC_IN000079CA, IN000080CA)

- C21.04 - Record Patient Measurement Observation (REPC_IN000051CA, REPC_IN000052CA)

- C21.06 - Record Patient Coded Observation (REPC_IN000064CA, REPC_IN000065CA)

- C27.01 - Record Patient Care Composition (REPC_IN000070CA, REPC_IN000071CA)

- C13.02 - Record Patient Professional Service (REPC_IN000044CA, REPC_IN000045CA)

- C30.01 - List Clinical Summary/Profile (COMT_IN100000CA, COMT_IN200000CA)

- C06.03 - Add Patient Note (COMT_IN30001CA, COMT_IN30002CA)

- C06.11 - Query Patient Notes (COMT_IN300201CA, COMT_IN300202CA)

- C11.01 - Add Allergy, Intolerance (REPC_IN000012CA, REPC_IN000013CA)

- C11.03 - Get Patient Allergies, Intolerances (REPC_IN000015CA, REPC_IN000016CA)

- C11.04 - Get Allergy, Intolerance Change History (REPC_IN000017CA, REPC_IN000018CA)

- C11.05 - Add Patient Adverse Reaction (REPC_IN000004CA), REPC_IN000005CA)

- C11.07 - Get Patient Adverse Reactions (REPC_IN000001CA, REPC_IN000002CA)

- C11.06 - Update Patient Health Condition (REPC_IN000032CA, REPC_IN000034CA)

- C12.03 - List Patient Health Condition Summaries (REPC_IN000023CA, REPC_IN000024CA)

- C13.02 - List Patient Professional Service (REPC_IN000041CA, REPC_IN000042CA)

- C21.07 - List Patient Coded Observations (REPC_IN000067CA, REPCIN000068CA)

- C21.09 - List Patient Clinical Observation Document (REPC_IN000088CA, REPC_IN000089CA)

- C27.02 - List Patient Care Composition Summaries (REPC_IN041100CA, REPC_IN041200CA)

- C27.04 - Get Patient Care Composition Details (REPC_0100CA, REPC_IN040200CA)

- C28.05 - Get Patient Discharge/Care Summary (IN000086CA, REPC_IN000087CA)

- C29.04 - List patient Referral Summaries (REPC_IN000084CA, REPC_IN000085CA)

For each of the included interactions, all mandatory and populated attributes and associations are included. In addition to the inclusion of some of the required attributes, the examples also illustrate the use of all external vocabulary code sets.

Scenarios

The example messages developed for this value were created in sets; also known as scenarios. Scenarios usually cover an entire transaction, or multiple transactions and allow the creation of sets of messages that rely on each other's data (e.g. in a request/response scenario, the message id of the request message is echoed in the response message).

Known Issues

Validation Errors
- No known issues.

Content Issues
- Dates within each scenario are not always aligned with each other (request message creationTime before the response message creationTime)
- Example Identifiers and OIDs have been used in the example messages. These are not always consistent (with each other) and are not the official OIDs as registered in the OID registry.
- Canadian codes (e.g. Canadian HL7TriggerEvent Codes) may not always be available from the vocabulary repository.

Example Data

Note:

For these example messages, all query response messages carry back the query parameter items used in retrieving records from the fulfiller (HIAL) to the requester (point-of-service systems)

Scenario SHR 001 - Record Health Condition Request/Response

This scenario illustrates two requests from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to record health conditions for a patient (transaction C12.01) and the associated confirm response message.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000028CA	Record health condition request	REPC_TE000017CA	SHR 01.01 - REPC_EX070101CA – Request to record health condition.xml
REPC_IN000029CA	Record health condition request accepted	REPC_TE000018A	SHR 01.02 - REPC_EX070102CA – Patient health condition recorded.xml
REPC_IN000028CA	Record health condition request	REPC_TE000017CA	SHR 01.03 - REPC_EX070103CA – Request to record health conditions.xml
REPC_IN000029CA	Record health condition request accepted	REPC_TE000018CA	SHR 01.04 - REPC_EX070104CA – Patient health condition recorded.xml

Scenario SHR 002 - Record Referral Note Request/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to record a referral for a patient (transaction C29.01) and the associated confirm response message.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000096CA	Record patient referral request	REPC_TE000073CA	SHR 02.01 - REPC_EX070201CA – Request to record referral note.xml
REPC_IN000097CA	Record patient referral request accepted	REPC_TE000074CA	SHR 02.02 - REPC_EX070202CA – Referral note recorded.xml

Scenario SHR 003 – Record Discharge/Care Summary Request/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to record a discharge-care summary information for a patient (transaction C28.01) and the associated confirm response message.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000076CA	Record discharge / care summary request	REPC_TE000076CA	SHR 03.01 - REPC_EX070301CA – Request to record discharge-care summary.xml
REPC_IN000077CA	Record discharge / care summary request accepted	REPC_TE000077CA	SHR 03.02 - REPC_EX070302CA – Discharge-care summary recorded.xml

Scenario SHR 004 – Record Clinical Observation Report Request/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to record a clinical observation report for a patient (transaction C21.08) and the associated confirm response message.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000079CA	Record clinical observation document request	REPC_TE000079CA	SHR 03.01 - REPC_EX070301CA – Request to record clinical observation document.xml
REPC_IN000080CA	Record clinical observation document request accepted	REPC_TE000080CA	SHR 03.02 - REPC_EX070302CA – Clinical observation document recorded.xml

Scenario SHR 005 – Record Measured Observation Request/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to record a measurement observation for a patient (transaction C21.04) and the associated confirm response message.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000051CA	Record patient measurement observation request	REPC_TE000051CA	SHR 05.01 - REPC_EX070501CA – Request to record measured observation.xml
REPC_IN000052CA	Record patient measurement observation request accepted	REPC_TE000052CA	SHR 05.02 - REPC_EX070502CA – Measured observation recorded.xml

Scenario SHR 006 – Record Coded Observation Request/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to record a measurement observation for a patient (transaction C21.06) and the associated confirm response message.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000064CA	Record patient measurement observation request	REPC_TE000057CA	SHR 06.01 - REPC_EX070601CA – Request to record coded observation.xml
REPC_IN000065CA	Record patient measurement observation request accepted	REPC_TE000058CA	SHR 06.02 - REPC_EX070602CA – Coded observation recorded.xml

Scenario SHR 007 – Record Care Composition Request/Response

This scenario illustrates two requests from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to record care composition information for a patient (transaction C27.01) and the associated confirm response message.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000070CA	Record care composition request	REPC_TE000067CA	SHR 07.01 - REPC_EX070801CA – Request to record care composition.xml
REPC_IN000071CA	Record care composition request accepted	REPC_TE000068CA	SHR 07.02 - REPC_EX070802CA – Care composition recorded.xml
REPC_IN000070CA	Record care composition request	REPC_TE000067CA	SHR 07.03 - REPC_EX070703CA – Request to record care composition.xml
REPC_IN000071CA	Record care composition request accepted	REPC_TE000068CA	SHR 07.04 - REPC_EX070704CA – Care composition recorded.xml

Scenario SHR 008 – Record Professional Service

This scenario illustrates two requests from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to record professional service information for a patient (transaction C13.01) and the associated confirm response message.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000044CA	Record patient professional service request	REPC_TE000043CA	SHR 08.01 - REPC_EX070801CA – Request to record professional service.xml
REPC_IN000045CA	Record patient professional service accepted	REPC_TE000044CA	SHR 08.02 - REPC_EX070802CA – professional service recorded.xml
REPC_IN000044CA	Record patient professional service request	REPC_TE000043CA	SHR 08.03 - REPC_EX070803CA – Request to record professional service .xml
REPC_IN000045CA	Record patient professional service accepted	REPC_TE000044CA	SHR 08.04 - REPC_EX070804CA – Professional service recorded.xml

Scenario SHR 009 – Clinical Summary Query/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to record professional service information for a patient (transaction C13.01) and the associated confirm response message.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
COMT_IN100000CA	Clinical summary/profile query	REPC_TE000096CA	SHR 09.01 - REPC_EX070901CA – Clinical summary-profile query.xml
COMT_IN200000CA	Clinical summary/profile query response	REPC_TE000097CA	SHR 09.02 - REPC_EX070902CA – Clinical summary-profile query response.xml

Scenario SHR 010 - Clinical Summary Query/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to query and retrieve patient clinical data from appropriate respective jurisdictional clinical systems (transaction C06.11) and the associated response message, containing the retrieved records.

Note: This is a repeat of SHR 090 for a different patient, and with a larger number of payloads on the response message.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
COMT_IN100000CA	Clinical summary/profile query	REPC_TE000096CA	SHR 10.01 - REPC_EX071001CA – Clinical summary-profile query.xml
COMT_IN200000CA	Clinical summary/profile query response	REPC_TE000097CA	SHR 10.02 - REPC_EX071002CA – Clinical summary-profile query response.xml

Scenario SHR 011 – Add Patient Note Request/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to attach a note to a patient (transaction C06.03) and the associated confirm response message.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
COMT_IN300001CA	Add patient note request	REPC_TE300001CA	SHR 11.01 - REPC_EX071101CA – Request to add patient note.xml
COMT_IN300002CA	Add patient note request accepted	REPC_TE300002CA	SHR 11.02 - REPC_EX071102CA – Patient note added.xml

Scenario SHR 012 – Patient Note Query/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to query and retrieve notes attached to a patient C06.11) and the associated response message containing the retrieved notes.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
COMT_IN300201CA	Patient note query	REPC_TE300201CA	SHR 12.01 - REPC_EX071201CA – Patient note query
COMT_IN300202CA	Patient note query response	REPC_TE300202CA	SHR 12.02 - REPC_EX071202CA – Patient note query response.xml

Scenario SHR 013 – Add Allergy Intolerance Request/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to record allergy intolerance information for a patient (transaction C11.01) and the associated confirm response message.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000012CA	Add allergy/intolerance request	REPC_TE000001CA	SHR 13.01 - REPC_EX071301CA – Request to record allergy or intolerance.xml
REPC_IN000013CA	Add allergy/intolerance request accepted	REPC_TE000002CA	SHR 13.02 - REPC_EX071302CA – Allergy or intolerance recorded.xml

Scenario SHR 014 – Allergy Intolerance Query/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to query and retrieve patient allergy or intolerance records (transaction C11.01) and the associated response message containing the retrieved records.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000015CA	Patient allergy/intolerance query	REPC_TE000006CA	SHR 14.01 - REPC_EX071401CA – Allergy intolenace query.xml
REPC_IN000016CA	Patient allergy/intolerance query response	REPC_TE000007CA	SHR 14.02 - REPC_EX071402CA – Allergy intolerance query response.xml

Scenario SHR 015 - Allergy Intolerance History Query/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to query and retrieve patient allergy or intolerance (with history) records (transaction C11.04) and the associated response message containing the retrieved records.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000017CA	Patient allergy/intolerance with history query	REPC_TE000008CA	SHR 15.01 - REPC_EX071501CA – Allergy intolerance with history query.xml
REPC_IN000018CA	Patient allergy/intolerance with history query response	REPC_TE000009CA	SHR 15.02 - REPC_EX071502CA – Allergy intolerance with history query response.xml

Scenario SHR 016 – Record Adverse Reaction Request/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to record adverse reaction information for patient (transaction C11.05) and the associated confirm response message.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000004CA	Record adverse reaction request	REPC_TE000014CA?	SHR 13.01 - REPC_EX071601CA – Request to record adverse reaction.xml
REPC_IN000005CA	Record adverse reaction request accepted	REPC_TE000015CA?	SHR 13.02 - REPC_EX071602CA – Adverse reaction recorded.xml

Scenario SHR 017 - Adverse Reaction Query/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to query and retrieve patient adverse reaction records (transaction C12.02) and the associated response message containing the retrieved records.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000001CA	Patient adverse reactions	REPC_TE000004CA	SHR 17.01 - REPC_EX071701CA – Adverse reactions query.xml
REPC_IN000002CA	Patient adverse reactions query response	REPC_TE000005CA	SHR 17.02 - REPC_EX071702CA – Adverse reactions query response.xml

Scenario SHR 018 – Update Health Condition Request/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to record a change to a patient's health condition information (transaction C12.02) and the associated refusal response msg.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000032CA	Update health condition request	REPC_TE000026CA	SHR 18.01 - REPC_EX071801CA – Update health condition request reaction.xml
REPC_IN000034CA	Update health condition request refused	REPC_TE000028CA	SHR 18.02 - REPC_EX071802CA – Update health condition request refused.xml

Scenario SHR 019 - Health Condition Query/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to query and retrieve patient health conditions summary information (transaction C12.03) and the associated response message containing the retrieved records.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000023CA	Patient health condition summaries query	REPC_TE000010CA	SHR 19.01 - REPC_EX071901CA – Health condition summaries query.xml
REPC_IN000024CA	Patient health condition summaries query response	REPC_TE000011CA	SHR 19.02 - REPC_EX071902CA – Health condition summaries query response.xml

Scenario SHR 020 – Professional Services Query/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to query and retrieve patient professional services (transaction C13.02) and the associated response message containing the retrieved records.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000041CA	Patient professional services query	REPC_TE000041CA	SHR 20.01 - REPC_EX072001CA – Professional services query.xml
REPC_IN000042CA	Patient professional services query response	REPC_TE000042CA	SHR 20.02 - REPC_EX072002CA – Professional services query response.xml

Scenario SHR 022 – Patient Coded Observations Query/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to query and retrieve patient's coded observation records (transaction C21.07) and the associated response message containing the retrieved records.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000067CA	Patient coded observations query	REPC_TE000060CA	SHR 22.01 - REPC_EX072201CA – Coded observations query.xml
REPC_IN000068CA	Patient coded observations query response	REPC_TE000061CA	SHR 22.02 - REPC_EX072202CA – Coded observations query response.xml

Scenario SHR 023 – Patient Clinical Observation Doc Summaries Query/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to query and retrieve patient's clinical observation documents summary records (transaction C21.07) and the associated response message containing the retrieved records.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000088CA	Patient clinical observation doc. summaries query	REPC_TE000088CA	SHR 23.01 - REPC_EX072301CA – Clinical observation doc summaries query.xml
REPC_IN000089CA	Patient clinical observation doc. summaries query response	REPC_TE000089CA	SHR 23.02 - REPC_EX072302CA – Clinical observation doc summaries query response.xml

Scenario SHR 024 – Patient Care Composition Summary Query/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to query and retrieve patient's care composition summary records (transaction C27.02) and the associated response message containing the retrieved records.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN041100CA	Patient care composition summaries query	REPC_TE041100CA	SHR 24.01 - REPC_EX072401CA – Care composition summaries query.xml
REPC_IN041200CA	Patient care composition summaries query response	REPC_TE041200CA	SHR 24.02 - REPC_EX072402CA – Care composition summaries query response.xml

Scenario SHR 025 - Patient Care Composition Details Query/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to query and retrieve patient's care composition detail records (transaction C27.04) and the associated response message containing the retrieved records.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN041100CA	Patient care composition details query	REPC_TE041100CA	SHR 25.01 - REPC_EX072501CA – Care composition details query.xml
REPC_IN041200CA	Patient care composition details query response	REPC_TE041200CA	SHR 25.02 - REPC_EX072502CA – Care composition details query response.xml

Scenario SHR 026 - Patient Discharge/Care Summary Query/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to query and retrieve patient's discharge / care summary records (transaction C27.05) and the associated response message containing the retrieved records.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000086CA	Patient discharge / care summaries query	REPC_TE000086CA	SHR 26.01 - REPC_EX072601CA – Discharge-care summaries query.xml
REPC_IN000087CA	Patient discharge / care summaries query response	REPC_TE000087CA	SHR 26.02 - REPC_EX072602CA – Discharge-care summaries query response.xml

Scenario SHR 027 - Patient Referral Query/Response

This scenario illustrates a request from a point-of-service application (e.g. a clinic system) to the HIAL (or jurisdictional iEHR) to query and retrieve patient's referral summary records (transaction C29.04) and the associated response message containing the retrieved records.

Interaction ID	Interaction Name	Trigger Event	Example Message Filename
REPC_IN000084CA	Patient referral summaries query	REPC_TE000084CA	SHR 27.01 - REPC_EX072701CA – Referral summaries query.xml
REPC_IN000085CA	Patient referral summaries query response	REPC_TE000085CA	SHR 27.02 - REPC_EX072702CA – Referral summaries query response.xml