

***eHealth*** Ontario

# Provincial Client Registry ADT HL7 v2 Update

Interface Specification

Version: 10.9

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# 1 Introduction

## 1.1 Background

The Provincial Client Registry (PCR) is the definitive source for a health care client's identity, facilitating the unique, accurate and reliable identification of individual clients and others who receive care in Ontario, across the disciplines in the health care sector. It contains demographic and identification cross-reference data for health care clients registered in one or more Patient Identifier Domains (PID) for which eHealth Ontario, as a result of policy /program/IT decisions, has established a data sharing agreement with the respective organizations.

The PCR is fed by multiple data sources, including the Ministry of Health (MOH) Registered Persons DataBase (RPDB), over 170 hospital sites tracking Admissions, Discharges, and Transfers (ADT), and other systems that participate in health care services (e.g. Wait Times Information System (WTIS), Cardiac Care Network (CCN)). The PCR includes the functionality of an Enterprise Master Patient Index (EMPI) to match records from different sources referring to a single health care client, addressing the need for positive client identification across Ontario's Electronic Health Record (EHR).

Examples of PCR services include:

- Validating health care client identity information
- Searching and resolving information from multiple sources that refer to the same health care client identity
- Obtaining summary and detailed demographic information about a health care client
- Adding and updating a health care client record
- Merging and unmerging health care client records (because they either do, or do not, refer to the same individual)
- Reconciling duplicates

This document is a specification for implementing an HL7 v2 Admission, Discharge & Transfer (ADT) update interface to the Provincial Client Registry (PCR). It provides implementation, compliance and conformance guidelines for use in developing software that adheres to the specifications defined by eHealth Ontario.

## 1.2 Purpose

The purpose of this specification is to outline the translation and mapping required for a given adapter to perform updates against their patient records (i.e. clients) in the PCR. As summarized in the table below, this specification represents the second-half of the functionality (i.e. passive update) required to perform HL7 v2 active integration with the PCR (i.e. active query & passive update). Refer to the corresponding Integrating the Healthcare Enterprise (IHE) Patient Identity Cross-Reference (PIX) / Patient Demographics Query (PDQ) HL7 v2 Interface Specification for the first-half of the functionality required for HL7 v2 PCR active integration (i.e. active query). Note that this PCR ADT interface can also be implemented as a standalone service (i.e. for update functionality to contribute to PCR).

| Function | Standard           | Interface / Interaction                                                                                                               |
|----------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Query    | PCR IHE<br>PIX/PDQ | ITI-9 - Patient Identity Cross-Referencing Query (PIX)<br>ITI-21 - Patient Demographics Query (PDQ)                                   |
| Update   | PCR ADT            | Add Client - ADT^A28^ADT_A05<br>Update Client - ADT^A31^ADT_A05<br>Merge Client - ADT^A40^ADT_A39<br>Unmerge Client - ADT^A39^ADT_A39 |

This specification was built upon the HL7 2.4 pan-Canadian conformance profile. The vocabulary found within the tables in this document is sourced from HL7 2.4 International and OHISC ISO standards, as the vocabulary for pan-Canadian standards is limited.

## 1.3 Audience

This document is intended for HL7 v2 adopters of the eHealth Ontario Provincial Client Registry (PCR). This includes new adopters implementing passive (i.e. update only) or active (i.e. query & update) integration with the PCR, or existing adopters who are currently feeding the PCR passively and may wish to implement active integration. The document is geared towards individuals who have HL7 v2.x knowledge.

## 1.4 Referenced Documents

| Document Name                                                                                                                                 | Version                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Integrating the Healthcare Enterprise (IHE) Patient Identity Cross-Reference (PIX) / Patient Demographics Query (PDQ) Interface Specification | Revision 12.0 – Final Text September 18, 2015 |
| HL7 v2 International                                                                                                                          | v 2.4                                         |
| Provincial Client Registry IHE HL7 v2 PIX/PDQ Implementation Guide                                                                            | v 1.4                                         |
| eHealth Ontario HL7 v3 Pan-Canadian based PCR standard                                                                                        | v 1.0                                         |

## 1.5 Acronyms

| Acronym | Description                                    |
|---------|------------------------------------------------|
| ADT     | Admission, Discharge & Transfer                |
| HL7     | Health Level Seven                             |
| IHE     | Integrating the Health Care Enterprise         |
| ISO     | International Organization for Standardization |
| OHISC   | Ontario Health Informatics Standards Council   |
| PCR     | Provincial Client Registry                     |
| PIX     | Patient Identity Cross-Reference               |
| PDQ     | Patient Demographics Query                     |

## 1.6 Legend

This section explains key symbols and abbreviations found within the specification. It is a reference section for interpreting the specification requirements.

### 1.6.1 Message Delimiters

| Delimiter | Usage              | Color Code / Font | Sample Seq Format |
|-----------|--------------------|-------------------|-------------------|
| \r        | Segment Terminator |                   |                   |

| Delimiter | Usage                      | Color Code / Font                  | Sample Seq Format |
|-----------|----------------------------|------------------------------------|-------------------|
| \         | Escape Character Delimiter |                                    |                   |
| ~         | Repetition Separator       |                                    |                   |
|           | Field Separator            | Normal Font                        | 1                 |
| ^         | Component Separator        | <i>Blue Italicized Font</i>        | <i>1.1</i>        |
| &         | Subcomponent Separator     | <i>Pink Bolded Italicized Font</i> | <i>1.1.1</i>      |

## 1.6.2 Optionality Codes

| Code      | Description                                                                                                      |
|-----------|------------------------------------------------------------------------------------------------------------------|
| <b>R</b>  | Required                                                                                                         |
| <b>RE</b> | Required or Empty                                                                                                |
| <b>C</b>  | Conditional                                                                                                      |
| <b>O</b>  | Optional                                                                                                         |
| <b>NS</b> | Not Supported. An NSAttribute can be sent to PCR in a given update message, but it is not currently used by PCR. |
| <b>U</b>  | Unknown                                                                                                          |

## 1.6.3 Abbreviations

| Code       | Description    |
|------------|----------------|
| <b>Seq</b> | Sequence       |
| <b>DT</b>  | Data type      |
| <b>Len</b> | Maximum length |
| <b>Opt</b> | Optionality    |
| <b>Rep</b> | Repeatable     |
| <b>Tbl</b> | Table          |

## 1.6.4 Data Types

| Code      | Description                         | Code       | Description                         | Code       | Description                 |
|-----------|-------------------------------------|------------|-------------------------------------|------------|-----------------------------|
| <b>AD</b> | Address                             | <b>FT</b>  | Formatted text                      | <b>SCV</b> | Scheduling class value pair |
| <b>CD</b> | Channel definition                  | <b>HD</b>  | Hierarchic designator               | <b>SI</b>  | Sequence ID                 |
| <b>CE</b> | Coded element                       | <b>ID</b>  | Coded values for HL7 tables         | <b>SN</b>  | Structured numeric          |
| <b>CF</b> | Coded element with formatted values | <b>IS</b>  | Coded value for user-defined tables | <b>SRT</b> | Sort order                  |
| <b>CK</b> | Composite ID with check digit       | <b>JCC</b> | Job code/class                      | <b>ST</b>  | String                      |
| <b>CM</b> | Composite                           | <b>MA</b>  | Multiplexed array                   | <b>TM</b>  | Time                        |
| <b>CN</b> | Composite ID number and name        | <b>MO</b>  | Money                               | <b>TN</b>  | Telephone number            |

| <b>Code</b> | <b>Description</b>                     | <b>Code</b> | <b>Description</b>           | <b>Code</b> | <b>Description</b>                                    |
|-------------|----------------------------------------|-------------|------------------------------|-------------|-------------------------------------------------------|
| <b>CNE</b>  | Coded with no exceptions               | <b>NA</b>   | Numeric array                | <b>TQ</b>   | Timing/quantity                                       |
| <b>CP</b>   | Composite price                        | <b>NM</b>   | Numeric                      | <b>TS</b>   | Time stamp                                            |
| <b>CQ</b>   | Composite quantity with units          | <b>PL</b>   | Person location              | <b>TX</b>   | Text data                                             |
| <b>CWE</b>  | Coded with exceptions                  | <b>PN</b>   | Person name                  | <b>VH</b>   | Visiting hours                                        |
| <b>CX</b>   | Extended composite ID with check digit | <b>PPN</b>  | Performing person time stamp | <b>VID</b>  | Version identifier                                    |
| <b>DLN</b>  | Driver's license number                | <b>PT</b>   | Processing type              | <b>XAD</b>  | Extended address                                      |
| <b>DR</b>   | Date/time range                        | <b>QIP</b>  | Query input parameter list   | <b>XCN</b>  | Extended composite ID number and name                 |
| <b>DT</b>   | Date                                   | <b>QSC</b>  | Query selection criteria     | <b>XON</b>  | Extended composite name & ID number for organizations |
| <b>ED</b>   | Encapsulated data                      | <b>RCD</b>  | Row column definition        | <b>XPN</b>  | Extended person name                                  |
| <b>EI</b>   | Entity identifier                      | <b>RI</b>   | Repeat interval              | <b>XTN</b>  | Extended telecommunications number                    |
| <b>FC</b>   | Financial class                        | <b>RP</b>   | Reference pointer            |             |                                                       |
| <b>FN</b>   | Family name                            | <b>SAD</b>  | Street Address               |             |                                                       |

## 2 Message Translations

This section describes the message translations required for each message type. Only include the message types listed in the Inbound Data Format column. These message types should be translated into the PCR Outbound Data Format for Add Client, Update Client, Merge Client and Unmerge Client. Any segments that are not detailed in the message structure columns should be excluded from the interface. **All message types not defined should be filtered out, including A05 - Pre-admit a patient.**

[ ] denotes an optional segment

### 2.1 Add Client

| Inbound Data Format    | Outbound Data Format | Message Structure |
|------------------------|----------------------|-------------------|
| A01 – Admit Patient    | ADT^A28^ADT_A05      | MSH               |
| A04 – Register Patient |                      | EVN               |
| A28 – Add Patient      |                      | PID<br>[NK1]      |

### 2.2 Update Client

| Inbound Data Format     | Outbound Data Format | Message Structure |
|-------------------------|----------------------|-------------------|
| A02 – Transfer Patient  | ADT^A31^ADT_A05      | MSH               |
| A03 – Discharge Patient |                      | EVN               |
| A08 – Update Patient    |                      | PID               |
| A13 – Cancel Discharge  |                      | [NK1]             |
| A31 – Update Patient    |                      |                   |

### 2.3 Merge Client

| Inbound Data Format             | Outbound Data Format | Message Structure |
|---------------------------------|----------------------|-------------------|
| A18 – Merge Patient Information | ADT^A40^ADT_A39      | MSH               |
| A30 – Merge Person Information  |                      | EVN               |
| A34 – Merge Patient Information |                      | PID               |
| A40 – Merge Patient             |                      | MRG               |

### 2.4 Unmerge Client

| Inbound Data Format      | Outbound Data Format | Message Structure |
|--------------------------|----------------------|-------------------|
| A37 – Unmerge Patient ID | ADT^A39^ADT_A39      | MSH               |
| A39 – Unmerge Patient ID |                      | EVN<br>PID<br>MRG |

## 2.5 Accept Acknowledgement Message Structure (ACK)

This represents the Message Acknowledgement structure that will be received from eHealth Ontario in response to the message generated by the source system.

| Message Structure   |
|---------------------|
| MSH<br>MSA<br>[ERR] |

## 3 MSH (Message Header Segment)

### 3.6 MSH Segment Breakdown

| MSH Seq | HL7 Name                     | Len       | Opt      | Rep          | DT        | Tbl | Sample                           | Field Notes                                                                                              |
|---------|------------------------------|-----------|----------|--------------|-----------|-----|----------------------------------|----------------------------------------------------------------------------------------------------------|
| 0       | Segment Name                 |           |          |              |           |     | MSH                              | Message Header                                                                                           |
| 1       | Field Separator              | 1         | R        | False        | ST        |     |                                  |                                                                                                          |
| 2       | Encoding Characters          | 4         | R        | False        | ST        |     | ^~\&                             |                                                                                                          |
| 3       | Sending Application          | 180       | R        | False        | HD        | 001 | Meditech                         | ADT System; see Vocabulary Table 001 for allowable code                                                  |
| 4       | Sending Facility             | 80        | R        | False        | HD        |     | CR8000a^Name of Sending Facility |                                                                                                          |
| 4.1     | <i>Sending facility code</i> | <i>40</i> | <i>R</i> | <i>False</i> | <i>HD</i> |     | <i>CR8000a</i>                   | <i>The Sending (Assigning) Facility code value (informational source) as assigned by eHealth Ontario</i> |
| 4.2     | <i>Facility description</i>  | <i>40</i> | <i>R</i> | <i>False</i> | <i>HD</i> |     | <i>Name of Sending Facility</i>  | <i>The Sending (Assigning) Facility Name as assigned by eHealth Ontario</i>                              |
| 5       | Receiving Application        | 180       | R        | False        | HD        |     | Provincial_EMPI                  | Hardcode "Provincial_EMPI"                                                                               |
| 6       | Receiving Facility           | 180       | R        | False        | HD        |     | MOHLTC                           | Hardcode "MOHLTC"                                                                                        |
| 7       | Date/Time Of Message         | 19        | R        | False        | TS        |     | 200807022240                     | YYYYMMDDHHMM                                                                                             |
| 8       | Security                     | 40        | O        | False        | ST        |     |                                  |                                                                                                          |
| 9       | Message Type                 | 13        | R        | False        | CMMSG     | 002 | ADT^A28^ADT_A05                  | Message Type as defined in Section 2                                                                     |
| 9.1     | <i>Message type</i>          | <i>3</i>  | <i>R</i> | <i>---</i>   | <i>ID</i> |     | <i>ADT</i>                       |                                                                                                          |
| 9.2     | <i>Trigger event</i>         | <i>3</i>  | <i>R</i> | <i>---</i>   | <i>ID</i> |     | <i>A28</i>                       |                                                                                                          |
| 9.3     | <i>Message structure</i>     | <i>7</i>  | <i>R</i> | <i>---</i>   | <i>ID</i> |     | <i>ADT_A05</i>                   |                                                                                                          |
| 10      | Message Control ID           | 20        | R        | False        | ST        |     | 123456789                        |                                                                                                          |
| 11      | Processing ID                | 3         | R        | False        | PT        | 003 | P^T                              | Use value "P^T" for Production, or value "D^T" for Testing                                               |
| 11.1    | <i>Processing ID</i>         | <i>1</i>  | <i>R</i> | <i>---</i>   | <i>ID</i> |     | <i>P</i>                         | <i>Set "P" for Production or "D" for Testing</i>                                                         |

| MSH Seq | HL7 Name                        | Len | Opt | Rep   | DT  | Tbl | Sample | Field Notes     |
|---------|---------------------------------|-----|-----|-------|-----|-----|--------|-----------------|
| 11.2    | <i>Processing mode</i>          | 1   | R   | ---   | ID  |     | T      | Hardcode to "T" |
| 12      | Version ID                      | 60  | R   | False | VID |     | 2.4    | Hardcode "2.4"  |
| 13      | SequenceNumber                  | 15  | O   | False | NM  |     |        |                 |
| 14      | Continuation Pointer            | 180 | O   | False | ST  |     |        |                 |
| 15      | Accept Acknowledgment Type      | 2   | O   | False | ID  |     |        |                 |
| 16      | Application Acknowledgment Type | 2   | O   | False | ID  |     |        |                 |
| 17      | Country Code                    | 3   | O   | False | ID  |     |        |                 |
| 18      | Character Set                   | 16  | O   | True  | ID  |     |        |                 |
| 19      | Principal Language Of Message   | 250 | O   | False | CE  |     |        |                 |
| 20      | Alt Char Set Handling Scheme    | 20  | O   | False | ID  |     |        |                 |
| 21      | Conformance Statement ID        | 10  | O   | True  | ID  |     |        |                 |

### 3.7 Sample MSH Segment

MSH|^~\&|Meditech|CR8000a^Site Name|Provincial\_EMPI|MOHLTC|200807020940||ADT^A28^ADT\_A05|123456789|P^T|2.4|||||||

Trailing delimiters can be omitted.

## 4 EVN (Event Type Segment)

### 4.1 EVN Segment Breakdown

| EVN Seq | HL7 Name                                          | Len | Opt | Rep   | DT  | Tbl | Sample                            | Field Notes                                                                                                                                 |
|---------|---------------------------------------------------|-----|-----|-------|-----|-----|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 0       | Segment Name                                      |     |     |       |     |     | EVN                               | Event Type                                                                                                                                  |
| 1       | Event Type Code                                   | 3   | R   | False | ID  |     | A01                               | Represents pre-translated message type.                                                                                                     |
| 2       | Recorded Date/Time                                | 19  | R   | False | TS  |     | 200807020940                      | <b>Format:</b> YYYYMMDDHHMM                                                                                                                 |
| 3       | Date/Time Planned Event                           | 26  | O   | False | TS  |     |                                   |                                                                                                                                             |
| 4       | Event Reason Code                                 | 3   | O   | False | IS  |     |                                   |                                                                                                                                             |
| 5       | Operator ID                                       | 128 | R   | True  | XCN |     | COMIJO^^^^^^^CR8000^^^^EI^CR8000a | Operator ID is used for audit purposes. For this field, at a minimum, include the Hospital User ID that triggered or generated the message. |
| 5.1     | ID number                                         | 64  | R   | ---   | ST  |     | COMIJO                            | Operator ID                                                                                                                                 |
| 5.2     | Family name                                       |     | O   | ---   | FN  |     |                                   |                                                                                                                                             |
| 5.3     | Given name                                        |     | O   | ---   | ST  |     |                                   |                                                                                                                                             |
| 5.4     | Second or further given names or initials thereof |     | O   | ---   | ST  |     |                                   |                                                                                                                                             |
| 5.5     | Suffix                                            | 10  | O   | ---   | ST  |     |                                   |                                                                                                                                             |
| 5.6     | Prefix                                            | 10  | O   | ---   | ST  |     |                                   |                                                                                                                                             |
| 5.7     | Degree                                            |     | O   | ---   | ST  |     |                                   |                                                                                                                                             |
| 5.8     | Source table                                      |     | O   | ---   |     |     |                                   |                                                                                                                                             |
| 5.9     | Assigning authority                               |     | R   | ---   | HD  |     | CR8000                            | The Assigning Authority value (definitional source) for the primary ID as assigned by eHealth Ontario                                       |
| 5.10    | Name type code                                    |     | O   | ---   |     |     |                                   |                                                                                                                                             |
| 5.11    | Identifier check digit                            |     | O   | ---   |     |     |                                   |                                                                                                                                             |

| EVN Seq | HL7 Name                                         | Len | Opt | Rep   | DT | Tbl | Sample  | Field Notes                                                                                              |
|---------|--------------------------------------------------|-----|-----|-------|----|-----|---------|----------------------------------------------------------------------------------------------------------|
| 5.12    | Code identifying the check digit scheme deployed |     | O   | ---   |    |     |         |                                                                                                          |
| 5.13    | Identifier type code                             | 2   | R   | ---   | ID | 005 | EI      | In all cases this will be an Employee Identifier (EI). For the Identifier Type Code, refer to table 005. |
| 5.14    | Assigning facility                               |     | R   | ---   | HD |     | CR8000a | The Assigning Facility value (informational source) for the secondary ID as assigned by eHealth Ontario  |
| 6       | Event Occurred                                   | 26  | O   | False | TS |     |         |                                                                                                          |
| 7       | Event Facility                                   | 180 | O   | False | HD |     |         |                                                                                                          |

## 4.2 Sample EVN Segment

EVN|A01|200807020940|||COMIJO^^^^^^^CR8000^^^^EI^CR8000a|||

Trailing delimiters can be omitted.

## 5 PID (Patient Identification Segment)

### 5.1 PID Segment Breakdown

| PID Seq | HL7 Name                | Len | Opt | Rep   | DT | Tbl | Sample                                                                                                                                                              | Field Notes                                                                                                                                                                                                                                                                                                                                                                       |            |
|---------|-------------------------|-----|-----|-------|----|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 0       | Segment Name            |     |     |       |    |     | PID                                                                                                                                                                 | Patient Identification                                                                                                                                                                                                                                                                                                                                                            |            |
| 1       | Set ID - PID            | 4   | NS  | False | SI |     |                                                                                                                                                                     | Not Supported                                                                                                                                                                                                                                                                                                                                                                     |            |
| 2       | Patient ID              | 20  | NS  | False | CX |     |                                                                                                                                                                     | Not Supported                                                                                                                                                                                                                                                                                                                                                                     |            |
| 3       | Patient Identifier List | 250 | R   | True  | CX |     | <b>CorpID Model:</b><br>H123456^^^CR8000^FI~H00123456^^^CR8000a^PI~1938457631^^^CANON^HC<br><b>MRN Model:</b><br>H00123456^^^CR8000a^PI~1938457631^^^CANON^HC~^^^FI | Patient ID values set in sequence depending on theeHealth Ontario assigned implementation model per the guidance below.                                                                                                                                                                                                                                                           |            |
| 3.1     | ID                      | 40  | R   | ---   | ST |     | <b>CorpID Model:</b>                                                                                                                                                | Depending on the eHealth Ontario assigned source implementation model (Corporate ID (CorpID) Model or Medical Record Number (MRN) Model), the following ID values must be set in sequence:<br><b>CorpID Model:</b><br><b>Sequence:</b> CorpID ~ MRN ~ HCN<br>(1) CorpID [Required] <ul style="list-style-type: none"><li>System Assigned ID; sometimes known as MRN.urn</li></ul> |            |
|         |                         |     |     |       |    |     | CorpID                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                   | H123456    |
|         |                         |     |     |       |    |     | MRN                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                   | H00123456  |
|         |                         |     |     |       |    |     | HCN                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                   | 1938457631 |
|         |                         |     |     |       |    |     | <b>MRN Model:</b>                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                   |            |
|         |                         |     |     |       |    |     | MRN                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                   | H00123456  |

| PID Seq | HL7 Name                                | Len | Opt | Rep | DT | Tbl | Sample               |            | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------|-----------------------------------------|-----|-----|-----|----|-----|----------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |                                         |     |     |     |    |     | HCN                  | 1938457631 | (2) MRN [Required] <ul style="list-style-type: none"><li>Patient ID normally found on Patient Charts; sometimes known as Unit Number, PHIN</li></ul> (3) HCN [Optional] <ul style="list-style-type: none"><li>Ministry of Health assigned ID</li><li>Do not include version code</li></ul> <b>MRN Model:</b><br><b>Sequence:</b> MRN ~ HCN<br>(1) MRN [Required] <ul style="list-style-type: none"><li>Patient ID normally found on Patient Charts; sometimes known as Unit Number, PHIN</li></ul> (2) HCN [Optional] <ul style="list-style-type: none"><li>Ministry of Health assigned ID</li><li>Do not include version code</li></ul> |
| 3.2     | Check digit                             |     | NS  | --- | ST |     |                      |            | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 3.3     | Code identifying the check digit scheme |     | NS  | --- | ID |     |                      |            | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 3.4     | Assigning authority                     |     | R   | --- | HD | 004 | <b>CorpID Model:</b> |            | All Identifiers must be accompanied with an Assigning Authority.<br>Depending on the eHealth Ontario assigned source implementation model (CorpID Model or MRN Model), the following Assigning Authority values should be set:<br><b>CorpID Model:</b><br><b>Sequence:</b> CorpID ~ MRN ~ HCN<br>(1) CorpID [Required] <ul style="list-style-type: none"><li>The Assigning Authority value</li></ul>                                                                                                                                                                                                                                     |
|         |                                         |     |     |     |    |     | CorpID               | CR8000     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|         |                                         |     |     |     |    |     | MRN                  | CR8000a    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|         |                                         |     |     |     |    |     | HCN                  | CANON      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|         |                                         |     |     |     |    |     | <b>MRN Model:</b>    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|         |                                         |     |     |     |    |     | MRN                  | CR8000a    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| PID Seq | HL7 Name             | Len | Opt | Rep | DT | Tbl | Sample               |       | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------|----------------------|-----|-----|-----|----|-----|----------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |                      |     |     |     |    |     | HCN                  | CANON | <p>(definitional source) for the primary ID as assigned by eHealth Ontario.</p> <p>(2) MRN [Required]</p> <ul style="list-style-type: none"><li>The Assigning Authority value (informational source) for the secondary ID as assigned by eHealth Ontario.</li></ul> <p>(3) HCN [Optional]</p> <ul style="list-style-type: none"><li>For the Health Card Number (HCN) Assigning Authority, refer to table 004.</li><li>If the patient has no HCN, then do not send an Assigning Authority (i.e. “~^H^HC”).</li></ul> <p><b>MRN Model:</b></p> <p><b>Sequence:</b> MRN ~ HCN</p> <p>(1) MRN [Required]</p> <ul style="list-style-type: none"><li>The Assigning Authority value (informational source) for the secondary ID as assigned by eHealth Ontario.</li></ul> <p>(2) HCN [Optional]</p> <ul style="list-style-type: none"><li>For the Health Card Number (HCN) Assigning Authority, refer to table 004.</li><li>If the patient has no HCN, then do not send an Assigning Authority (i.e. “~^H^HC”).</li></ul> |
| 3.5     | Identifier type code | 2   | R   | --- | ID | 005 | <b>CorpID Model:</b> |       | <p>Depending on the eHealth Ontario assigned source implementation model (CorpID Model or MRN Model), the following Identifier Type Code values should be set:</p> <p><b>CorpID Model:</b></p> <p><b>Sequence:</b> CorpID ~ MRN ~ HCN</p> <p>(1) CorpID [Required]</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|         |                      |     |     |     |    |     | CorpID               | FI    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|         |                      |     |     |     |    |     | MRN                  | PI    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|         |                      |     |     |     |    |     | HCN                  | HC    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|         |                      |     |     |     |    |     | <b>MRN Model:</b>    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|         |                      |     |     |     |    |     | MRN                  | PI    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| PID Seq | HL7 Name                                           | Len | Opt | Rep   | DT | Tbl | Sample                                   |        | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------|----------------------------------------------------|-----|-----|-------|----|-----|------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |                                                    |     |     |       |    |     | HCN                                      | HC     | <ul style="list-style-type: none"> <li>• “FI”</li> </ul> (2) MRN [Required] <ul style="list-style-type: none"> <li>• “PI”</li> </ul> (3) HCN [Required] <ul style="list-style-type: none"> <li>• “HC”</li> </ul> <b>MRN Model:</b><br><b>Sequence:</b> MRN ~ HCN (1) MRN [Required] <ul style="list-style-type: none"> <li>• “PI”</li> </ul> (2) HCN [Required] <ul style="list-style-type: none"> <li>• “HC”</li> </ul> (3) Hardcode “^^^^FI” [Required]<br>Note that all applicable identifier type codes must be present even if there is no associated identifier value. |
|         |                                                    |     |     |       |    |     | Blank Value                              | FI     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 3.6     | Assigning facility                                 |     | NS  |       | HD |     |                                          |        | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.7     | Effective date                                     |     | NS  | ---   | DT |     |                                          |        | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.8     | Expiration date                                    |     | NS  | ---   | DT |     |                                          |        | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 4       | Alternate Patient ID - PID                         | 20  | NS  | False | CX |     |                                          |        | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 5       | Patient Name                                       | 250 | R   | True  | XP |     | KENT^CLARK^JOSEPH^^MR^^L~MAN^SUPER^^^^^A |        | The Patient Name field consists of the patient’s legal name (required) and an alias name (optional).<br>Alias can be the patient’s maiden name or any other name the patient may use.<br><b>Sequence:</b> Patient’s Name ~ Alias                                                                                                                                                                                                                                                                                                                                             |
| 5.1     | Family name                                        | 75  | R   | ---   | FN |     | Patient Name                             | KENT   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|         |                                                    |     |     |       |    |     | Alias                                    | MAN    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 5.2     | Given name                                         | 30  | O   | ---   | ST |     | Patient Name                             | CLARK  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|         |                                                    |     |     |       |    |     | Alias                                    | SUPER  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 5.3     | Second and further given names or initials thereof | 30  | O   | ---   | ST |     | Patient Name                             | JOSEPH |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|         |                                                    |     |     |       |    |     | Alias                                    |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| PID Seq | HL7 Name                 | Len | Opt | Rep   | DT  | Tbl | Sample                                                                                                                                                    |    | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------|--------------------------|-----|-----|-------|-----|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5.4     | Suffix                   |     | NS  | ---   | ST  |     |                                                                                                                                                           |    | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 5.5     | Prefix                   | 10  | O   | ---   | ST  |     | Patient Name                                                                                                                                              | MR |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|         |                          |     |     |       |     |     | Alias                                                                                                                                                     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 5.6     | Degree                   |     | NS  | ---   | ST  |     |                                                                                                                                                           |    | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 5.7     | Name type code           | 1   | R   | ---   | ID  | 006 | Patient Name                                                                                                                                              | L  | Use “L” (Legal) and “A” (Alias) only                                                                                                                                                                                                                                                                                                                                                                                                                              |
|         |                          |     |     |       |     |     | Alias                                                                                                                                                     | A  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 5.8     | Name representation code |     | NS  | ---   | ID  |     |                                                                                                                                                           |    | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 5.9     | Name context             |     | NS  | ---   | CE  |     |                                                                                                                                                           |    | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 5.10    | Name validity range      |     | NS  | ---   | DR  |     |                                                                                                                                                           |    | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 5.11    | Name assembly order      |     | NS  | ---   | ID  |     |                                                                                                                                                           |    | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 6       | Mother’s Maiden Name     | 250 | NS  | True  | XPN |     |                                                                                                                                                           |    | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 7       | Date of Birth            | 19  | RE  | False | TS  |     | 19740131                                                                                                                                                  |    | <b>Format:</b> YYYYMMDD                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 8       | Administrative Sex       | 1   | RE  | False | IS  | 007 | M                                                                                                                                                         |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 9       | Patient Alias            | 250 | NS  | False | XPN |     |                                                                                                                                                           |    | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 10      | Race                     | 250 | NS  | False | CE  |     |                                                                                                                                                           |    | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 11      | Patient Address          | 250 | RE  | True  | XAD |     | 1 SPEED LANE^APT 1^TORONTO^CA-<br>ON^M1 M2H3^CAN^H~2 ROCKET<br>ROAD^^VALLEY COTTAGE^US-<br>NY^10989-2050^M~3 FAST<br>WAY^^TORONTO^CA-<br>ON^M1 K1L2^CAN^C |    | <p>Consists of three possible addresses for the patient (Home, Mailing and Temporary).</p> <p><b>Sequence:</b> Address 1 ~ Address 2 ~ Address 3</p> <p>Data will be processed in sequence, only as data is present in the repeating fields. For instance, for “Address1 ~ Address2 ~ Address3”, if Address2 is blank, Address3 will not be processed.</p> <p>This field only applies for Canadian and US countries; otherwise, leave the entire field blank.</p> |

| PID Seq | HL7 Name                              | Len | Opt | Rep | DT  | Tbl | Sample    |                | Field Notes                                                                                                                                 |
|---------|---------------------------------------|-----|-----|-----|-----|-----|-----------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 11.1    | Street address                        | 75  | R   | --- | SAD |     | Address 1 | 1 SPEED LANE   | Address Line 1 of 2.<br>If component is blank, leave the entire field blank.                                                                |
|         |                                       |     |     |     |     |     | Address 2 | 2 ROCKET RD    |                                                                                                                                             |
|         |                                       |     |     |     |     |     | Address 3 | 3 FAST WAY     |                                                                                                                                             |
| 11.2    | Other designation<br>(Address Line 2) | 75  | O   | --- | ST  |     | Address 1 | APT. 1         | Address Line 2 of 2.<br>If component is blank, leave the entire field blank.                                                                |
|         |                                       |     |     |     |     |     | Address 2 |                |                                                                                                                                             |
|         |                                       |     |     |     |     |     | Address 3 |                |                                                                                                                                             |
| 11.3    | City                                  | 30  | R   | --- | ST  |     | Address 1 | TORONTO        | If component is blank, leave the entire field blank.                                                                                        |
|         |                                       |     |     |     |     |     | Address 2 | VALLEY COTTAGE |                                                                                                                                             |
|         |                                       |     |     |     |     |     | Address 3 | TORONTO        |                                                                                                                                             |
| 11.4    | State or province                     | 15  | R   | --- | ST  | 008 | Address 1 | CA-ON          | If component is blank, leave the entire field blank.                                                                                        |
|         |                                       |     |     |     |     |     | Address 2 | US-NY          |                                                                                                                                             |
|         |                                       |     |     |     |     |     | Address 3 | CA-ON          |                                                                                                                                             |
| 11.5    | Zip or postal code                    | 10  | R   | --- | ST  |     | Address 1 | M1M2H3         | If component is blank, leave the entire field blank.<br><br><b>CAN Format:</b> A9A9A9 (no spaces)<br><b>USA Format:</b> 99999 or 99999-9999 |
|         |                                       |     |     |     |     |     | Address 2 | 10989-2050     |                                                                                                                                             |
|         |                                       |     |     |     |     |     | Address 3 | M1K1L2         |                                                                                                                                             |
| 11.6    | Country                               | 3   | R   | --- | ID  | 009 | Address 1 | CAN            | If component is blank, leave the entire field blank.                                                                                        |
|         |                                       |     |     |     |     |     | Address 2 | USA            |                                                                                                                                             |
|         |                                       |     |     |     |     |     | Address 3 | CAN            |                                                                                                                                             |
| 11.7    | Address type                          | 1   | R   | --- | ID  | 010 | Address 1 | H              | All Address Type values are required even if only one address is sent.<br>Use "H" (Home),"M" (Mailing) and "C" (Current or Temporary) only. |
|         |                                       |     |     |     |     |     | Address 2 | M              |                                                                                                                                             |
|         |                                       |     |     |     |     |     | Address 3 | C              |                                                                                                                                             |
| 11.8    | Other geographic designation          |     | NS  | --- | ST  |     |           |                | Not Supported                                                                                                                               |
| 11.9    | Country/parish code                   |     | NS  | --- | IS  |     |           |                | Not Supported                                                                                                                               |
| 11.10   | Census tract                          |     | NS  | --- | IS  |     |           |                | Not Supported                                                                                                                               |

| PID Seq | HL7 Name                         | Len | Opt | Rep   | DT  | Tbl | Sample                                         |                | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------|----------------------------------|-----|-----|-------|-----|-----|------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11.11   | Address representation code      |     | NS  | ---   | ID  |     |                                                |                | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 11.12   | Address validity range           |     | NS  | ---   | DR  |     |                                                |                | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 12      | County Code                      | 4   | NS  | False | IS  |     |                                                |                | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 13      | Phone Number - Home              | 50  | RE  | True  | XTN |     | (416) 123-4567^PRN^^~7654321^EMR^^^416^^^~^ORN |                | <p>Consists of three possible telephone numbers for the patient (Primary (Home), Emergency or Other).</p> <p><b>Sequence:</b> Telephone 1 ~ Telephone 2 ~ Telephone 3</p> <p>Data will be processed in sequence, only as data is present in the repeating fields. For instance, for “Telephone 1 ~ Telephone 2 ~ Telephone 3”, if Telephone 2 is blank, Telephone 3 will not be processed.</p> <p><b>Populate the entire phone number in 13.1 or break out the phone number components in 13.6, but not both.</b></p> |
| 13.1    | Telephone number                 | 22  | R   |       | ST  |     | Telephone 1                                    | (416) 123-4567 | <p>Specifies the telephone number in a predetermined format that includes an optional extension (999) 999-9999 [X99999].</p> <p>Note if you include the extension in 13.1 instead of 13.8, you must ensure the complete phone number does not exceed the 22 character max length.</p>                                                                                                                                                                                                                                 |
|         |                                  |     |     |       |     |     | Telephone 2                                    | (416) 765-4321 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|         |                                  |     |     |       |     |     | Telephone 3                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 13.2    | Telecommunication use code       | 3   | R   |       | ID  | 011 | Telephone 1                                    | PRN            | <p>Use “PRN” (Primary), “EMR” (Emergency) and “ORN” (Other) only. All Telecommunication Use Code values are required even if only one or two telephone numbers are sent.</p>                                                                                                                                                                                                                                                                                                                                          |
|         |                                  |     |     |       |     |     | Telephone 2                                    | EMR            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|         |                                  |     |     |       |     |     | Telephone 3                                    | ORN            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 13.3    | Telecommunication equipment type |     | NS  |       | ID  |     |                                                |                | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 13.4    | Email address                    |     | NS  |       | ST  |     |                                                |                | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| PID Seq | HL7 Name                         | Len | Opt | Rep  | DT  | Tbl | Sample                   | Field Notes                                                                                                                                                                                 |                                                 |
|---------|----------------------------------|-----|-----|------|-----|-----|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| 13.5    | Country code                     |     | NS  |      | NM  |     |                          | Not Supported                                                                                                                                                                               |                                                 |
| 13.6    | Area / city code                 | 5   | O   |      | NM  |     | Telephone 1              | 416                                                                                                                                                                                         | Do not populate this field if 13.1 is populated |
|         |                                  |     |     |      |     |     | Telephone 2              | 416                                                                                                                                                                                         |                                                 |
|         |                                  |     |     |      |     |     | Telephone 3              |                                                                                                                                                                                             |                                                 |
| 13.7    | Phone number                     | 20  | O   |      | NM  |     | Telephone 1              | 1234567                                                                                                                                                                                     | Do not populate this field if 13.1 is populated |
|         |                                  |     |     |      |     |     | Telephone 2              | 7654321                                                                                                                                                                                     |                                                 |
|         |                                  |     |     |      |     |     | Telephone 3              |                                                                                                                                                                                             |                                                 |
| 13.8    | Extension                        | 6   | O   |      | NM  |     | Telephone 1              |                                                                                                                                                                                             | Do not populate this field if 13.1 is populated |
|         |                                  |     |     |      |     |     | Telephone 2              |                                                                                                                                                                                             |                                                 |
|         |                                  |     |     |      |     |     | Telephone 3              |                                                                                                                                                                                             |                                                 |
| 13.9    | Any text                         |     | NS  |      | ST  |     |                          | Not Supported                                                                                                                                                                               |                                                 |
| 14      | Phone Number - Business          | 50  | RE  | True | XTN |     | 1234567^WPN^^^416^^5555^ | Consists of a possible Work (Business) telephone number for the patient.<br><b>Populate the entire phone number in 14.1 or break out the phone number components in 14.6, but not both.</b> |                                                 |
| 14.1    | Telephone number                 | 22  | R   |      | TN  |     | (416) 123-4567 X5555     | Specifies the telephone number in a predetermined format that includes an optional extension<br>(999) 999-9999 [X99999]                                                                     |                                                 |
| 14.2    | Telecommunication use code       | 3   | R   |      | ID  | 011 | WPN                      | Use “WPN” (Work) only                                                                                                                                                                       |                                                 |
| 14.3    | Telecommunication equipment type |     | NS  |      | ID  |     |                          | Not Supported                                                                                                                                                                               |                                                 |
| 14.4    | Email address                    |     | NS  |      | ST  |     |                          | Not Supported                                                                                                                                                                               |                                                 |
| 14.5    | Country code                     |     | NS  |      | NM  |     |                          | Not Supported                                                                                                                                                                               |                                                 |
| 14.6    | Area / city code                 | 5   | O   |      | NM  |     | 416                      | Do not populate this field if 14.1 is populated                                                                                                                                             |                                                 |
| 14.7    | Phone number                     | 20  | O   |      | NM  |     | 1234567                  | Do not populate this field if 14.1 is populated                                                                                                                                             |                                                 |
| 14.8    | Extension                        | 6   | O   |      | NM  |     | 5555                     | Do not populate this field if 14.1 is populated                                                                                                                                             |                                                 |

| PID Seq | HL7 Name                          | Len | Opt | Rep   | DT  | Tbl | Sample   | Field Notes                                                                      |
|---------|-----------------------------------|-----|-----|-------|-----|-----|----------|----------------------------------------------------------------------------------|
| 14.9    | Any text                          |     | NS  |       | ST  |     |          | Not Supported                                                                    |
| 15      | Primary Language                  | 250 | NS  | False | CE  |     |          | Not Supported                                                                    |
| 16      | Marital Status                    | 250 | NS  | False | CE  |     |          | Not Supported                                                                    |
| 17      | Religion                          | 250 | NS  | False | CE  |     |          | Not Supported                                                                    |
| 18      | Patient Account Number            | 250 | NS  | False | CX  |     |          | Not Supported                                                                    |
| 19      | SSN Number - Patient              | 16  | NS  | False | ST  |     |          | Not Supported                                                                    |
| 20      | Driver's License Number - Patient | 25  | NS  | False | DLN |     |          | Not Supported                                                                    |
| 21      | Mother's Identifier               | 250 | NS  | False | CX  |     |          | Not Supported                                                                    |
| 22      | Ethnic Group                      | 250 | NS  | False | CE  |     |          | Not Supported                                                                    |
| 23      | Birth Place                       | 250 | NS  | False | ST  |     |          | Not Supported                                                                    |
| 24      | Multiple Birth Indicator          | 1   | NS  | False | ID  |     |          | Not Supported                                                                    |
| 25      | Birth Order                       | 2   | NS  | False | NM  |     |          | Not Supported                                                                    |
| 26      | Citizenship                       | 250 | NS  | False | CE  |     |          | Not Supported                                                                    |
| 27      | Veterans Military Status          | 250 | NS  | False | CE  |     |          | Not Supported                                                                    |
| 28      | Nationality                       | 250 | NS  | False | CE  |     |          | Not Supported                                                                    |
| 29      | Patient Death Date                | 8   | RE  | False | TS  |     | 20101222 | <b>Format:</b> YYYYMMDD<br>Must be populated when patient death indicator is "Y" |
| 30      | Patient Death Indicator           | 1   | R   | False | ID  | 012 | N        | N or Y                                                                           |
| 31      | Identity Unknown Indicator        | 1   | NS  | False | ID  |     |          | Not Supported                                                                    |
| 32      | Identity Reliability Code         | 20  | NS  | True  | IS  |     |          | Not Supported                                                                    |
| 33      | Last Update Date                  | 8   | R   | False | TS  |     | 20080704 | <b>Format:</b> YYYYMMDD<br>Represents the last Visit Date                        |



## 6 NK1 (Next of Kin / Associated Parties Segment)

### 6.1 NK1 Segment Breakdown

| NK1 Seq | HL7 Name                                           | Len | Opt | Rep   | DT  | Tbl | Sample                   | Field Notes                                   |
|---------|----------------------------------------------------|-----|-----|-------|-----|-----|--------------------------|-----------------------------------------------|
| 0       | Segment Name                                       |     |     |       |     |     | NK1                      | NK1 ; only a single NK1 segment is supported. |
| 1       | Set ID                                             | 4   | R   | False | SI  |     | 1                        | Hardcoded to "1"                              |
| 2       | Name                                               | 250 | O   | True  | XPN |     | KENT^MARTHA^CLARK^^MRS^D |                                               |
| 2.1     | Family name                                        | 75  | O   | ---   | FN  |     | KENT                     |                                               |
| 2.2     | Given name                                         | 30  | O   | ---   | ST  |     | MARTHA                   |                                               |
| 2.3     | Second and further given names or initials thereof | 30  | O   | ---   | ST  |     | CLARK                    |                                               |
| 2.4     | Suffix                                             |     | NS  | ---   | ST  |     |                          | Not Supported                                 |
| 2.5     | Prefix                                             | 10  | O   | ---   | ST  |     | MRS                      |                                               |
| 2.6     | Degree                                             |     | NS  | ---   | ST  |     |                          | Not Supported                                 |
| 2.7     | Name type code                                     | 1   | O   | ---   | CE  |     | D                        | Use "D" only                                  |
| 2.8     | Name representation code                           |     | NS  | ---   | ID  |     |                          | Not Supported                                 |
| 2.9     | Name context                                       |     | NS  | ---   | CE  |     |                          | Not Supported                                 |
| 2.10    | Name validity range                                |     | NS  | ---   | DR  |     |                          | Not Supported                                 |
| 2.11    | Name assembly order                                |     | NS  | ---   | ID  |     |                          | Not Supported                                 |
| 3       | Relationship                                       | 3   | NS  | False | CE  |     |                          | Not Supported                                 |
| 4       | Address                                            | 250 | NS  | False | XAD |     |                          | Not Supported                                 |
| 5       | Phone Number                                       | 250 | NS  | False | XTN |     |                          | Not Supported                                 |
| 6       | Business Phone Number                              | 250 | NS  | False | XTN |     |                          | Not Supported                                 |

| NKI Seq | HL7 Name                                                  | Len | Opt | Rep   | DT  | Tbl | Sample | Field Notes   |
|---------|-----------------------------------------------------------|-----|-----|-------|-----|-----|--------|---------------|
| 7       | Contact Role                                              | 250 | NS  | False | CE  |     |        | Not Supported |
| 8       | Start Date                                                | 8   | NS  | False | DT  |     |        | Not Supported |
| 9       | End Date                                                  | 8   | NS  | False | DT  |     |        | Not Supported |
| 10      | Next of Kin /<br>Associated Parties<br>Job Title          | 60  | NS  | False | ST  |     |        | Not Supported |
| 11      | Next of Kin /<br>Associated Parties<br>Job Code/Class     | 20  | NS  | False | JCC |     |        | Not Supported |
| 12      | Next of Kin /<br>Associated Parties<br>Employee<br>Number | 250 | NS  | False | CX  |     |        | Not Supported |
| 13      | Organization<br>Name - NK1                                | 250 | NS  | False | XON |     |        | Not Supported |
| 14      | Marital Status                                            | 250 | NS  | False | CE  |     |        | Not Supported |
| 15      | Administrative<br>Sex                                     | 1   | NS  | False | IS  |     |        | Not Supported |
| 16      | Date/Time of<br>Birth                                     | 26  | NS  | False | TS  |     |        | Not Supported |
| 17      | Living<br>Dependency                                      | 2   | NS  | False | IS  |     |        | Not Supported |
| 18      | Ambulatory<br>Status                                      | 2   | NS  | False | IS  |     |        | Not Supported |
| 19      | Citizenship                                               | 250 | NS  | False | CE  |     |        | Not Supported |
| 20      | Primary Language                                          | 250 | NS  | False | CE  |     |        | Not Supported |
| 21      | Living<br>Arrangement                                     | 2   | NS  | False | IS  |     |        | Not Supported |
| 22      | Publicity Code                                            | 250 | NS  | False | CE  |     |        | Not Supported |
| 23      | Protection<br>Indicator                                   | 1   | NS  | False | ID  |     |        | Not Supported |
| 24      | Student Indicator                                         | 2   | NS  | False | IS  |     |        | Not Supported |
| 25      | Religion                                                  | 250 | NS  | False | CE  |     |        | Not Supported |

| NKI Seq | HL7 Name                                   | Len | Opt | Rep   | DT  | Tbl | Sample | Field Notes   |
|---------|--------------------------------------------|-----|-----|-------|-----|-----|--------|---------------|
| 26      | Mother's Maiden Name                       | 250 | NS  | False | XPN |     |        | Not Supported |
| 27      | Nationality                                | 250 | NS  | False | CE  |     |        | Not Supported |
| 28      | Ethnic Group                               | 250 | NS  | False | CE  |     |        | Not Supported |
| 29      | Contact Reason                             | 250 | NS  | False | CE  |     |        | Not Supported |
| 30      | Contact Person's Name                      | 250 | NS  | False | XPN |     |        | Not Supported |
| 31      | Contact Person's Telephone Number          | 250 | NS  | False | XTN |     |        | Not Supported |
| 32      | Contact Person's Address                   | 250 | NS  | False | XAD |     |        | Not Supported |
| 33      | Next of Kin/Associated Party's Identifiers | 250 | NS  | True  | CX  |     |        | Not Supported |
| 34      | Job Status                                 | 2   | NS  | False | IS  |     |        | Not Supported |
| 35      | Race                                       | 250 | NS  | False | CE  |     |        | Not Supported |
| 36      | Handicap                                   | 2   | NS  | False | IS  |     |        | Not Supported |
| 37      | Contact Person Social Security Number      | 16  | NS  | False | ST  |     |        | Not Supported |

## 6.2 Sample NK1 Segment

NK1|1|KENT^MARTHA^CLARK^^MRS^D||||||||||||||||||||||||||||||||

Trailing delimiters can be omitted.

## 7 MRG (Merge Patient Information Segment)

### 7.1 MRG Segment Breakdown

| MRG Seq | HL7 Name                      | Len | Opt | Rep  | DT | Tbl | Sample                                                                                     | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------|-------------------------------|-----|-----|------|----|-----|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0       | Segment Name                  |     |     |      |    |     | MRG                                                                                        | Merge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1       | Prior Patient Identifier List | 250 | R   | True | CX |     | <b>CorpID Model:</b><br>H654321^^^CR8000^FI<br><b>MRN Model:</b><br>H00654321^^^CR8000a^PI | Patient ID values for the non-surviving patient that will be merged. Values are set depending on the eHealth Ontario assigned source implementation model per the guidance below.<br>The corresponding surviving patient ID that will be merged to (from this non-surviving patient ID) is defined in the PID segment in the same Merge message.                                                                                                                                                                                                                                                                                                     |
| 1.1     | ID                            | 40  | R   |      | ST |     | <b>CorpID Model:</b><br>H654321<br><b>MRN Model:</b><br>H00654321                          | Depending on the eHealth Ontario assigned implementation model (CorpID Model or MRN Model), the following ID value should be set:<br><b>CorpID Model:</b><br>(1) CorpID (Corporate ID) <ul style="list-style-type: none"> <li>The primary ID (Corporate ID) value for the non-surviving patient to be merged.</li> <li>Note that only Corporate ID to Corporate ID merges are supported under this model.</li> </ul> <b>MRN Model:</b><br>(1) MRN <ul style="list-style-type: none"> <li>The primary ID (MRN) value for the non-surviving patient to be merged.</li> <li>Note that only MRN to MRN merges are supported under this model.</li> </ul> |
| 1.2     | Check digit                   |     | NS  | ---  | ST |     |                                                                                            | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| MRG Seq | HL7 Name                                | Len | Opt | Rep   | DT | Tbl | Sample                                                         | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------|-----------------------------------------|-----|-----|-------|----|-----|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.3     | Code identifying the check digit scheme |     | NS  | ---   | ID |     |                                                                | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.4     | Assigning authority                     |     | R   | ---   | HD |     | <b>CorpID Model:</b><br>CR8000<br><b>MRN Model:</b><br>CR8000a | Depending on the eHealth Ontario assigned implementation model (CorpID Model or MRN Model), the following Assigning Authority values should be set:<br><b>CorpID Model:</b><br>(1) CorpID [Required] <ul style="list-style-type: none"> <li>The Assigning Authority value (definitional source) for the primary ID for the non-surviving patient to be merged as assigned by eHealth Ontario.</li> </ul> <b>MRN Model:</b><br>(1) MRN [Required] <ul style="list-style-type: none"> <li>The Assigning Authority value (definitional source) for the primary ID for the non-surviving patient to be merged as assigned by eHealth Ontario.</li> </ul> |
| 1.5     | Identifier type code                    | 2   | R   | ---   | ID | 005 | <b>CorpID Model:</b><br>FI<br><b>MRN Model:</b><br>PI          | Depending on the eHealth Ontario assigned implementation model (CorpID Model or MRN Model), the following Identifier Type Code values should be set:<br><b>CorpID Model:</b><br>Use "FI" Only<br><b>MRN Model:</b><br>Use "PI" Only                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1.6     | Assigning facility                      |     | NS  | ---   | HD |     |                                                                | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.7     | Effective date                          |     | NS  | ---   | DT |     |                                                                | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.8     | Expiration date                         |     | NS  | ---   | DT |     |                                                                | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 2       | Prior Alternate Patient ID              | 250 | NS  | False | CX |     |                                                                | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| MRG Seq | HL7 Name                     | Len | Opt | Rep   | DT  | Tbl | Sample | Field Notes   |
|---------|------------------------------|-----|-----|-------|-----|-----|--------|---------------|
| 3       | Prior Patient Account Number | 250 | NS  | False | CX  |     |        | Not Supported |
| 4       | Prior Patient ID             | 250 | NS  | False | CX  |     |        | Not Supported |
| 5       | Prior Visit Number           | 250 | NS  | False | CX  |     |        | Not Supported |
| 6       | Prior Alternate Visit ID     | 250 | NS  | False | CX  |     |        | Not Supported |
| 7       | Prior Patient Name           | 250 | NS  | False | XPN |     |        | Not Supported |

## 7.2 Sample MRG Segment

### CorpID Model:

MRG | H654321^^^CR8000^FI|||||

### MRN Model:

MRG | H00654321^^^CR8000a^PI|||||

Trailing delimiters can be omitted.

## 8 MRG (Patient Information Segment for the Unmerge Message)

### 8.1 MRG Segment Breakdown for the Unmerge Message

| MRG Seq | HL7 Name                      | Len | Opt | Rep  | DT | Tbl | Sample                                                                                     | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------|-------------------------------|-----|-----|------|----|-----|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0       | Segment Name                  |     |     |      |    |     | MRG                                                                                        | Unmerge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 1       | Prior Patient Identifier List | 250 | R   | True | CX |     | <b>CorpID Model:</b><br>H123456^^^CR8000^FI<br><b>MRN Model:</b><br>H00123456^^^CR8000a^PI | Patient ID values for the patient that was previously merged to. Values are set depending on the eHealth Ontario assigned source implementation model per the guidance below.<br>The corresponding patient that will be unmerged (from this patient that was previously merged to) is defined in the PID segment for the same Unmerge message.                                                                                                                                                                                                                                                                                                                               |
| 1.1     | ID                            | 40  | R   |      | ST |     | <b>CorpID Model:</b><br>H123456<br><b>MRN Model:</b><br>H00654321                          | <i>Depending on the eHealth Ontario assigned implementation model (CorpID Model or MRN Model), the following ID value should be set:</i><br><b>CorpID Model:</b><br>(1) CorpID [Required] <ul style="list-style-type: none"> <li>The primary ID (Corporate ID) value for the patient that was previously merged to.</li> <li>Note that only Corporate ID to Corporate ID unmerges are supported under this model.</li> </ul> <b>MRN Model:</b><br>(1) MRN [Required] <ul style="list-style-type: none"> <li>The primary ID (MRN) value for the patient that was previously merged to.</li> <li>Note that only MRN to MRN unmerges are supported under this model.</li> </ul> |
| 1.2     | Check digit                   |     | NS  | ---  | ST |     |                                                                                            | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| MRG Seq | HL7 Name                                | Len | Opt | Rep   | DT | Tbl | Sample                                                         | Field Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------|-----------------------------------------|-----|-----|-------|----|-----|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.3     | Code identifying the check digit scheme |     | NS  | ---   | ID |     |                                                                | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 1.4     | Assigning authority                     |     | R   | ---   | HD |     | <b>CorpID Model:</b><br>CR8000<br><b>MRN Model:</b><br>CR8000a | Depending on the eHealth Ontario assigned implementation model (CorpID Model or MRN Model), the following Assigning Authority values should be set:<br><b>CorpID Model:</b><br>(1) CorpID [Required] <ul style="list-style-type: none"> <li>The Assigning Authority value (definitional source) for the primary ID for the patient that was previously merged to as assigned by eHealth Ontario.</li> </ul> <b>MRN Model:</b><br>(1) MRN [Required] <ul style="list-style-type: none"> <li>The Assigning Authority value (definitional source) for the patient that was previously merged to as assigned by eHealth Ontario.</li> </ul> |
| 1.5     | Identifier type code                    |     | R   | ---   | ID | 005 | <b>CorpID Model:</b><br>FI<br><b>MRN Model:</b><br>PI          | Depending on the eHealth Ontario assigned implementation model (CorpID Model or MRN Model), the following Identifier Type Code values should be set:<br><b>CorpID Model:</b><br>Use "FI" Only<br><b>MRN Model:</b><br>Use "PI" Only                                                                                                                                                                                                                                                                                                                                                                                                     |
| 1.6     | Assigning facility                      |     | NS  | ---   | HD |     |                                                                | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 1.7     | Effective date                          |     | NS  | ---   | DT |     |                                                                | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 1.8     | Expiration date                         |     | NS  | ---   | DT |     |                                                                | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 2       | Prior Alternate Patient ID              | 250 | NS  | False | CX |     |                                                                | Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

| MRG Seq | HL7 Name                     | Len | Opt | Rep   | DT  | Tbl | Sample | Field Notes   |
|---------|------------------------------|-----|-----|-------|-----|-----|--------|---------------|
| 3       | Prior Patient Account Number | 250 | NS  | False | CX  |     |        | Not Supported |
| 4       | Prior Patient ID             | 250 | NS  | False | CX  |     |        | Not Supported |
| 5       | Prior Visit Number           | 250 | NS  | False | CX  |     |        | Not Supported |
| 6       | Prior Alternate Visit ID     | 250 | NS  | False | CX  |     |        | Not Supported |
| 7       | Prior Patient Name           | 250 | NS  | False | XPN |     |        | Not Supported |

## 8.2 Sample Unmerge Message

**NOTE:** The values in PID-03 (Patient Identifier List) will be that of the patient that is being unmerged. The value in the MRG-01 segment will be the primary identifier that the patient was previously merged to.

### CorpID Model:

```
MSH|^~\&|Meditech|CR8000a^Site Name|Provincial_EMPI|MOHLTC|200807020940||ADT^A39^ADT_A39|123456789|P^T|2.4|||||||
EVN|A39|200807020943||COMIJO^^^^^^^CR8000^^^^EI^CR8000a|||
PID|||H654321^^^CR8000^FI~H00654321^^^CR8000a^PI~1938457631^^^CANON^HC|KENT^CLARK^JOSEPH^^MR^^L~EL^KAL^^JR
^^^A~MAN^SUPER^^^^^A||19740131|M|||11 SPEED LANE^APT 1^TORONTO^CA-ON^M1M2H3^CAN^H~2 ROCKET
ROAD^^VALLEY COTTAGE^US-NY^10989-2050^M~3 FAST WAY^^TORONTO^CA-
ON^M1K1L2^CAN^C||1234567^PRN^^^^416^^~7654321^EMR^^^^416^^~ORN^^^^^^|1234567^WPN^^^^416^^5555^|||||||||
|N|||20080704|||
MRG|H123456^^^CR8000^FI|||||
```

In the example above, primary identifier H654321 is being unmerged and identifier H123456 is the identifier that H654321 was previously merged to.

### MRN Model:

```
MSH|^~\&|Meditech|CR8000a^Site Name|Provincial_EMPI|MOHLTC|200807020940||ADT^A39^ADT_A39|123456789|P^T|2.4|||||||
EVN|A39|200807020943||COMIJO^^^^^^^CR8000^^^^EI^CR8000a|||
PID|||H00654321^^^CR8000a^PI~1938457631^^^CANON^HC~^^^^FI|KENT^CLARK^JOSEPH^^MR^^L~EL^KAL^^JR^^A~MAN^S
UPER^^^^^A||19740131|M|||11 SPEED LANE^APT 1^TORONTO^CA-ON^M1M2H3^CAN^H~2 ROCKET ROAD^^VALLEY
COTTAGE^US-NY^10989-2050^M~3 FAST WAY^^TORONTO^CA-
```

ON^M1K1L2^CAN^C||1234567^PRN^^^416^^~7654321^EMR^^^416^^~^ORN^^^^^|1234567^WPN^^^416^5555^|||||||||||  
|N|||20080704|||  
**MRG**|H00123456^^^CR8000a^PI||||

In the example above, primary identifier H00654321 is being unmerged and identifier H00123456 is the identifier that H00654321 was previously merged to.

Trailing delimiters can be omitted.

## 9 Sample HL7 Messages

### 9.1 CorplD Model Examples

The following sub-sections provide sample HL7 messages for CorplD Model implementations:

#### 9.1.1 Add Client

```
MSH|^~\&|Meditech|CR8000a^Site Name|Provincial_EMPI|MOHLTC|200807020940||ADT^A28^ADT_A05|123456789|P^T|2.4|||||||
EVN|A01|200807020940||COMIJO^^^^^^CR8000^^^^EI^CR8000a||
PID|||H123456^^^CR8000^FI~H00123456^^^CR8000a^PI~1938457631^^^CANON^HC||KENT^CLARK^JOSEPH^^MR^^L~MAN^SUPER^^^A||19740131|M||1 SPEED LANE^APT 1^TORONTO^CA-ON^M1M2H3^CAN^H~2 ROCKET ROAD^^VALLEY COTTAGE^US-NY^10989-2050^M~3 FAST WAY^^TORONTO^CA-ON^M1K1L2^CAN^C||1234567^PRN^^^^416^^~7654321^EMR^^^^416^^~^ORN^^^^||1234567^WPN^^^^416^^5555^|||||||||
|N|||20080704|||
NK1|1|KENT^MARTHA^CLARK^^MRS^D|
```

#### 9.1.2 Update Client

```
MSH|^~\&|Meditech|CR8000a^Site Name|Provincial_EMPI|MOHLTC|200807020940||ADT^A31^ADT_A05|123456790|P^T|2.4|||||||
EVN|A08|200807020941||COMIJO^^^^^^CR8000^^^^EI^CR8000a||
PID|||H123456^^^CR8000^FI~H00123456^^^CR8000a^PI~1938457631^^^CANON^HC||KENT^CLARK^JOSEPH^^MR^^L~MAN^SUPER^^^A||19740131|M||11 SPEED LANE^APT 1^TORONTO^CA-ON^M1M2H3^CAN^H~2 ROCKET ROAD^^VALLEY COTTAGE^US-NY^10989-2050^M~3 FAST WAY^^TORONTO^CA-ON^M1K1L2^CAN^C||1234567^PRN^^^^416^^~7654321^EMR^^^^416^^~^ORN^^^^||1234567^WPN^^^^416^^5555^|||||||||
|N|||20080704|||
NK1|1|KENT^MARTHA^CLARK^^MRS^D|
```

#### 9.1.3 Merge Client

```
MSH|^~\&|Meditech|CR8000a^Site Name|Provincial_EMPI|MOHLTC|200807020940||ADT^A40^ADT_A39|123456791|P^T|2.4|||||||
EVN|A34|200807020942||COMIJO^^^^^^CR8000^^^^EI^CR8000a||
PID|||H123456^^^CR8000^FI~H00123456^^^CR8000a^PI~1938457631^^^CANON^HC||KENT^CLARK^JOSEPH^^MR^^L~MAN^SUPER^^^A||19740131|M||1 SPEED LANE^APT 1^TORONTO^CA-ON^M1M2H3^CAN^H~2 ROCKET ROAD^^VALLEY COTTAGE^US-NY^10989-2050^M~3 FAST WAY^^TORONTO^CA-
```

ON^M1K1L2^CAN^C||1234567^PRN^^^^416^^~7654321^EMR^^^^416^^~^ORN^^^^^^|1234567^WPN^^^^416^^5555^|||||||||||||  
|N|||20080704|||

**MRG**|H654321^^^CR8000^FI||||

**NOTE:** The values in PID-o3 (Patient Identifier List) will be that of the surviving patient (the one being merged to). The value in the MRG-o1 segment will be the primary identifier of the non-surviving patient (the one being merged from).

### 9.1.4 Unmerge Client

**MSH**|^~\&|Meditech|CR8000a^Site Name|Provincial\_EMPI|MOHLTC|200807020940||ADT^A39^ADT\_A39|123456789|P^T|2.4|||||||||

**EVN**|A39|200807020943||COMIJO^^^^^^CR8000^^^^EI^CR8000a||

**PID**|||H654321^^^CR8000^FI~H00654321^^^CR8000a^PI~1938457631^^^CANON^HC||KENT^CLARK^JOSEPH^^MR^^L~MAN^SUPE  
R^^^^^A||19740131|M|||11 SPEED LANE^APT 1^TORONTO^CA-ON^M1M2H3^CAN^H~2 ROCKET ROAD^^VALLEY

COTTAGE^US-NY^10989-2050^M~3 FAST WAY^^TORONTO^CA-

ON^M1K1L2^CAN^C||1234567^PRN^^^^416^^~7654321^EMR^^^^416^^~^ORN^^^^^^|1234567^WPN^^^^416^^5555^|||||||||||||  
|N|||20080704|||

**MRG**|H123456^^^CR8000^FI||||

**NOTE:** The values in PID-o3 (Patient Identifier List) will be that of the patient that is being unmerged. The value in the MRG-o1 segment will be the primary identifier that the patient was previously merged to.

Trailing delimiters can be omitted.

## 9.2 MRN Model Examples

The following sub-sections provide sample HL7 messages for MRN Model implementations:

### 9.1.1 Add Client

**MSH**|^~\&|Meditech|CR8000a^Site Name|Provincial\_EMPI|MOHLTC|200807020940||ADT^A28^ADT\_A05|123456789|P^T|2.4|||||||||

**EVN**|A01|200807020940||COMIJO^^^^^^CR8000^^^^EI^CR8000a||

**PID**|||H00123456^^^CR8000a^PI~1938457631^^^CANON^HC~^^^FI||KENT^CLARK^JOSEPH^^MR^^L~EL^KAL^^JR^^A~MAN^S  
UPER^^^^^A||19740131|M|||1 SPEED LANE^APT 1^TORONTO^CA-ON^M1M2H3^CAN^H~2 ROCKET ROAD^^VALLEY

COTTAGE^US-NY^10989-2050^M~3 FAST WAY^^TORONTO^CA-

ON^M1K1L2^CAN^C||1234567^PRN^^^^416^^~7654321^EMR^^^^416^^~^ORN^^^^^^|1234567^WPN^^^^416^^5555^|||||||||||||  
|N|||20080704|||

NK1|1|KENT^MARTHA^CLARK^^MRS^D|

### 9.1.2 Update Client

MSH|^~\&|Meditech|CR8000a^Site Name|Provincial\_EMPI|MOHLTC|200807020940||ADT^A31^ADT\_A05|123456790|P^T|2.4|||||||  
EVN|A08|200807020941||COMIJO^^^^^^CR8000^^^^EI^CR8000a||  
PID|||H00123456^^^CR8000a^PI~1938457631^^^CANON^HC~^^^FI|KENT^CLARK^JOSEPH^^MR^^L~EL^KAL^^JR^^A~MAN^S  
UPER^^^^^A||19740131|M||11 SPEED LANE^APT 1^TORONTO^CA-ON^M1M2H3^CAN^H~2 ROCKET ROAD^^VALLEY  
COTTAGE^US-NY^10989-2050^M~3 FAST WAY^^TORONTO^CA-  
ON^M1K1L2^CAN^C||1234567^PRN^^^^416^^~7654321^EMR^^^^416^^~^ORN^^^^^^|1234567^WPN^^^^416^^5555^|||||||  
|N|||20080704|||  
NK1|1|KENT^MARTHA^CLARK^^MRS^D|

### 9.1.3 Merge Client

MSH|^~\&|Meditech|CR8000a^Site Name|Provincial\_EMPI|MOHLTC|200807020940||ADT^A40^ADT\_A39|123456791|P^T|2.4|||||||  
EVN|A34|200807020942||COMIJO^^^^^^CR8000^^^^EI^CR8000a||  
PID|||H00123456^^^CR8000a^PI~1938457631^^^CANON^HC~^^^FI|KENT^CLARK^JOSEPH^^MR^^L~EL^KAL^^JR^^A~MAN^S  
UPER^^^^^A||19740131|M||1 SPEED LANE^APT 1^TORONTO^CA-ON^M1M2H3^CAN^H~2 ROCKET ROAD^^VALLEY  
COTTAGE^US-NY^10989-2050^M~3 FAST WAY^^TORONTO^CA-  
ON^M1K1L2^CAN^C||1234567^PRN^^^^416^^~7654321^EMR^^^^416^^~^ORN^^^^^^|1234567^WPN^^^^416^^5555^|||||||  
|N|||20080704|||  
MRG|H00654321^^^CR8000a^PI||||

**NOTE:** The values in PID-o3 (Patient Identifier List) will be that of the surviving patient (the one being merged to). The value in the MRG-o1 segment will be the primary identifier of the non-surviving patient (the one being merged from).

### 9.1.4 Unmerge Client

MSH|^~\&|Meditech|CR8000a^Site Name|Provincial\_EMPI|MOHLTC|200807020940||ADT^A39^ADT\_A39|123456789|P^T|2.4|||||||  
EVN|A39|200807020943||COMIJO^^^^^^CR8000^^^^EI^CR8000a||  
PID|||H00654321^^^CR8000a^PI~1938457631^^^CANON^HC~^^^FI|KENT^CLARK^JOSEPH^^MR^^L~EL^KAL^^JR^^A~MAN^S  
UPER^^^^^A||19740131|M||11 SPEED LANE^APT 1^TORONTO^CA-ON^M1M2H3^CAN^H~2 ROCKET ROAD^^VALLEY  
COTTAGE^US-NY^10989-2050^M~3 FAST WAY^^TORONTO^CA-  
ON^M1K1L2^CAN^C||1234567^PRN^^^^416^^~7654321^EMR^^^^416^^~^ORN^^^^^^|1234567^WPN^^^^416^^5555^|||||||  
|N|||20080704|||  
MRG|H00123456^^^CR8000a^PI||||

**NOTE:** The values in PID-03 (Patient Identifier List) will be that of the patient that is being unmerged. The value in the MRG-01 segment will be the primary identifier that the patient was previously merged to.

Trailing delimiters can be omitted.

## 10 Message Acknowledgment Message

### 10.1 MSA Segment

| MSA Seq | HL7 Name             | Len | Opt | Rep   | DT | Tbl        | Sample | Field Notes |
|---------|----------------------|-----|-----|-------|----|------------|--------|-------------|
| 1       | Acknowledgement Code | 2   | R   | False | ID | <u>013</u> | AA     |             |
| 2       | Message Control ID   | 20  | R   | False | ST |            | 90210  |             |

### 10.2 ERR Segment

| ERR Seq | HL7 Name                               | Len | Opt       | Rep  | DT        | Tbl        | Sample   | Field Notes |
|---------|----------------------------------------|-----|-----------|------|-----------|------------|----------|-------------|
| 1       | Error Code and Location                | 80  | R         | True | CM_ELD    |            | 0        |             |
| 1.1     | <i>Segment ID</i>                      |     | <i>RE</i> | ---  | <i>ST</i> |            |          |             |
| 1.2     | <i>Sequence</i>                        |     | <i>O</i>  | ---  | <i>NM</i> |            |          |             |
| 1.3     | <i>Field position</i>                  |     | <i>O</i>  | ---  | <i>NM</i> |            |          |             |
| 1.4     | <i>Code identifying error</i>          |     | <i>R</i>  | ---  | <i>CE</i> |            | <i>0</i> |             |
| 1.4.1   | <i>Identifier</i>                      |     | <i>R</i>  | ---  | <i>ST</i> | <i>014</i> | <i>0</i> |             |
| 1.4.2   | <i>Text</i>                            |     | <i>RE</i> | ---  | <i>ST</i> |            |          |             |
| 1.4.3   | <i>Name of coding system</i>           |     | <i>RE</i> | ---  | <i>IS</i> |            |          |             |
| 1.4.4   | <i>Alternate identifier</i>            |     | <i>RE</i> | ---  | <i>ST</i> |            |          |             |
| 1.4.5   | <i>Alternate text</i>                  |     | <i>RE</i> | ---  | <i>ST</i> |            |          |             |
| 1.4.6   | <i>Name of alternate coding system</i> |     | <i>RE</i> | ---  | <i>IS</i> |            |          |             |

### 10.3 Sample Message Acknowledgment Message

MSA|AA|90210ERR|0

# 11 Vocabulary Tables

## 11.1 001 – Sending Application (MSH-3)

| Code             | 001 - Sending Application Description |
|------------------|---------------------------------------|
| Anzer            | Anzer                                 |
| Cerner           | Cerner                                |
| Clinical_Webware | Clinical Webware                      |
| Eclipsys         | Eclipsys                              |
| McKesson         | McKesson                              |
| Medisolutions    | Medisolutions                         |
| Meditech         | Meditech                              |
| MiSys            | MiSys                                 |
| Oacis            | Emergis - Oacis                       |
| Quadramed        | Quadramed                             |
| Siemens          | Siemens                               |

## 11.2 002 – Message Type (MSH-9)

| Code            | 002 - Message Type Description |
|-----------------|--------------------------------|
| ADT^A28^ADT_A05 | Add Client                     |
| ADT^A31^ADT_A05 | Update Client                  |
| ADT^A40^ADT_A39 | Merge Client                   |
| ADT^A39^ADT_A39 | Unmerge Client                 |

## 11.3 003 – Processing ID (MSH-11)

| Code | 003 - Processing ID Description  |
|------|----------------------------------|
| P^T  | eHealth Production Environment   |
| P^T  | eHealth Verification Environment |
| D^T  | eHealth Conformance Environment  |

## 11.4 004 – HCN Assigning Authority (PID-3.4)

| Code   | 004 - HCN Assigning Authority Description |
|--------|-------------------------------------------|
| AUSDVA | Australia – Dept. of Veterans Affairs     |
| AUSHIC | Australia – Health Insurance Commission   |
| CANAB  | Canada – Alberta                          |
| CANBC  | Canada – British Columbia                 |
| CANMB  | Canada – Manitoba                         |
| CANNB  | Canada – New Brunswick                    |
| CANNF  | Canada – Newfoundland and Labrador        |
| CANNS  | Canada – Nova Scotia                      |
| CANNT  | Canada – Northwest Territories            |
| CANNU  | Canada – Nunavut                          |

| Code   | 004 - HCN Assigning Authority Description             |
|--------|-------------------------------------------------------|
| CANON  | Canada – Ontario                                      |
| CANPE  | Canada – Prince Edward Island                         |
| CANQC  | Canada – Quebec                                       |
| CANSK  | Canada – Saskatchewan                                 |
| CANYT  | Canada – Yukon Territories                            |
| NLVWS  | NL – Ministerie van Volksgezondheid, Welzijn en Sport |
| USCDC  | US Center for Disease Control                         |
| USHCFA | US Healthcare Finance Authority                       |
| USSSA  | US Social Security Administration                     |

## 11.5 005 – Identifier Type Code (EVN-5, PID-3.5, MRG-1)

| Code | 005 - Identifier Type Code Description |
|------|----------------------------------------|
| FI   | Patient Institution Identifier         |
| PI   | Medical Record Number Identifier       |
| HC   | Health Card Number Identifier          |
| EI   | Employee Identifier                    |

## 11.6 006 – Name Type Code (PID-5.7)

| Code | 006 - Name Type Description |
|------|-----------------------------|
| A    | Alias Name                  |
| L    | Legal Name                  |

## 11.7 007 – Administrative Sex (PID-8)

| Code | 007 - Administrative Sex Description |
|------|--------------------------------------|
| F    | Female                               |
| M    | Male                                 |
| U    | Unknown                              |

## 11.8 008 – State or Province (PID-11.4)

| Code  | 008 - Message Type Description |
|-------|--------------------------------|
| CA-AB | Alberta                        |
| CA-BC | British Columbia               |
| CA-MB | Manitoba                       |
| CA-NB | New Brunswick                  |
| CA-NL | Newfoundland and Labrador      |
| CA-NS | Nov a Scotia                   |
| CA-NT | Northwest Territories          |
| CA-NU | Nunavut                        |
| CA-ON | Ontario                        |
| CA-PE | Prince Edward Island           |
| CA-QC | Quebec                         |

| Code  | 008 - Message Type Description |
|-------|--------------------------------|
| CA-SK | Saskatchewan                   |
| CA-YT | Yukon Territories              |
| US-AK | Alaska                         |
| US-AL | Alabama                        |
| US-AR | Arkansas                       |
| US-AZ | Arizona                        |
| US-CA | California                     |
| US-CO | Colorado                       |
| US-CT | Connecticut                    |
| US-CZ | Canal Zone                     |
| US-DC | District Of Columbia           |
| US-DE | Delaware                       |
| US-FL | Florida                        |
| US-GA | Georgia                        |
| US-GU | Guam                           |
| US-HI | Hawaii                         |
| US-IA | Iowa                           |
| US-ID | Idaho                          |
| US-IL | Illinois                       |
| US-IN | Indiana                        |
| US-KS | Kansas                         |
| US-KY | Kentucky                       |
| US-LA | Louisiana                      |
| US-MA | Massachusetts                  |
| US-MD | Maryland                       |
| US-ME | Maine                          |
| US-MI | Michigan                       |
| US-MN | Minnesota                      |
| US-MO | Missouri                       |
| US-MS | Mississippi                    |
| US-MT | Montana                        |
| US-NC | North Carolina                 |
| US-ND | North Dakota                   |
| US-NE | Nebraska                       |
| US-NH | New Hampshire                  |
| US-NJ | New Jersey                     |
| US-NM | New Mexico                     |
| US-NV | Nevada                         |
| US-NY | New York                       |
| US-OH | Ohio                           |
| US-OK | Oklahoma                       |
| US-OR | Oregon                         |
| US-PA | Pennsylvania                   |
| US-PR | Puerto Rico                    |
| US-RI | Rhode Island                   |
| US-SC | South Carolina                 |
| US-SD | South Dakota                   |
| US-TN | Tennessee                      |

| Code  | 008 - Message Type Description |
|-------|--------------------------------|
| US-TX | Texas                          |
| US-UT | Utah                           |
| US-VA | Virginia                       |
| US-VI | Virgin Islands                 |
| US-VT | Vermont                        |
| US-WA | Washington                     |
| US-WI | Wisconsin                      |
| US-WV | West Virginia                  |
| US-WY | Wyoming                        |

## 11.9 009 – Country (PID-11.6)

| Code | 009 - Country Description   |
|------|-----------------------------|
| ABW  | Aruba                       |
| AFG  | Afghanistan                 |
| AFT  | French Southern Territories |
| AGO  | Angola                      |
| AIA  | Anguilla                    |
| ALB  | Albania                     |
| AND  | Andorra                     |
| ANT  | Netherlands Antilles        |
| ARE  | United Arab Emirates        |
| ARG  | Argentina                   |
| ARM  | Armenia                     |
| ASM  | American Samoa              |
| ATA  | Antarctica                  |
| ATG  | Antigua And Barbuda         |
| AUS  | Australia                   |
| AUT  | Austria                     |
| AZE  | Azerbaijan                  |
| BDI  | Burundi                     |
| BEL  | Belgium                     |
| BEN  | Benin                       |
| BFA  | Burkina Faso                |
| BGD  | Bangladesh                  |
| BGR  | Bulgaria                    |
| BHR  | Bahrain                     |
| BHS  | Bahamas                     |
| BIH  | Bosnia And Herzegovina      |
| BLR  | Belarus                     |
| BLZ  | Belize                      |
| BMU  | Bermuda                     |
| BOL  | Bolivia                     |
| BRA  | Brazil                      |
| BRB  | Barbados                    |
| BRN  | Brunei Darussalam           |
| BTN  | Bhutan                      |

| Code | 009 - Country Description             |
|------|---------------------------------------|
| BVT  | Bouvet Island                         |
| BWA  | Botswana                              |
| CAF  | Central African Republic              |
| CAN  | Canada                                |
| CCK  | Cocos (Keeling) Islands               |
| CHE  | Switzerland                           |
| CHL  | Chile                                 |
| CHN  | China                                 |
| CIV  | Côte D'ivoire                         |
| CMR  | Cameroon                              |
| COD  | Congo, The Democratic Republic Of The |
| COG  | Congo                                 |
| COK  | Cook Islands                          |
| COL  | Colombia                              |
| COM  | Comoros                               |
| CPV  | Cape Verde                            |
| CRI  | Costa Rica                            |
| CUB  | Cuba                                  |
| CXR  | Christmas Island                      |
| CYM  | Cayman Islands                        |
| CYP  | Cyprus                                |
| CZE  | Czech Republic                        |
| DEU  | Germany                               |
| DJI  | Djibouti                              |
| DMA  | Dominica                              |
| DNK  | Denmark                               |
| DOM  | Dominican Republic                    |
| DZA  | Algeria                               |
| ECU  | Ecuador                               |
| EGY  | Egypt                                 |
| ERI  | Eritrea                               |
| ESH  | Western Sahara                        |
| ESP  | Spain                                 |
| EST  | Estonia                               |
| ETH  | Ethiopia                              |
| FIN  | Finland                               |
| FJI  | Fiji                                  |
| FLK  | Falkland Islands (Malvinas)           |
| FRA  | France                                |
| FRO  | Faroe Islands                         |
| FSM  | Micronesia, Federated States Of       |
| GAB  | Gabon                                 |
| GBR  | United Kingdom                        |
| GEO  | Georgia                               |
| GHA  | Ghana                                 |
| GIB  | Gibraltar                             |
| GIN  | Guinea                                |
| GLP  | Guadeloupe                            |

| Code | 009 - Country Description         |
|------|-----------------------------------|
| GMB  | Gambia                            |
| GNB  | Guinea-Bissau                     |
| GNQ  | Equatorial Guinea                 |
| GRC  | Greece                            |
| GRD  | Grenada                           |
| GRL  | Greenland                         |
| GTM  | Guatemala                         |
| GUF  | French Guiana                     |
| GUM  | Guam                              |
| GUY  | Guyana                            |
| HKG  | Hong Kong                         |
| HMD  | Heard Island And Mcdonald Islands |
| HND  | Honduras                          |
| HRV  | Croatia                           |
| HTI  | Haiti                             |
| HUN  | Hungary                           |
| IDN  | Indonesia                         |
| IND  | India                             |
| IOT  | British Indian Ocean Territory    |
| IRL  | Ireland                           |
| IRN  | Iran, Islamic Republic Of         |
| IRQ  | Iraq                              |
| ISL  | Iceland                           |
| ISR  | Israel                            |
| ITA  | Italy                             |
| JAM  | Jamaica                           |
| JOR  | Jordan                            |
| JPN  | Japan                             |
| KAZ  | Kazakhstan                        |
| KEN  | Kenya                             |
| KGZ  | Kyrgyzstan                        |
| KHM  | Cambodia                          |
| KIR  | Kiribati                          |
| KNA  | Saint Kitts And Nevis             |
| KOR  | Korea, Republic Of                |
| KWT  | Kuwait                            |
| LAO  | Lao People's Democratic Republic  |
| LBN  | Lebanon                           |
| LBR  | Liberia                           |
| LBY  | Libyan Arab Jamahiriya            |
| LCA  | Saint Lucia                       |
| LIE  | Liechtenstein                     |
| LKA  | Sri Lanka                         |
| LSO  | Lesotho                           |
| LTU  | Lithuania                         |
| LUX  | Luxembourg                        |
| LVA  | Latvia                            |
| MAC  | Macao                             |

| Code | 009 - Country Description                  |
|------|--------------------------------------------|
| MAR  | Morocco                                    |
| MCO  | Monaco                                     |
| MDA  | Moldov a, Republic Of                      |
| MDG  | Madagascar                                 |
| MDV  | Maldives                                   |
| MEX  | Mexico                                     |
| MHL  | Marshall Islands                           |
| MKD  | Macedonia, The Former Yugoslav Republic Of |
| MLI  | Mali                                       |
| MLT  | Malta                                      |
| MMR  | My anmart                                  |
| MNG  | Mongolia                                   |
| MNP  | Northern Mariana Islands                   |
| MOZ  | Mozambique                                 |
| MRT  | Mauritania                                 |
| MSR  | Montserrat                                 |
| MTQ  | Martinique                                 |
| MUS  | Mauritius                                  |
| MWI  | Malawi                                     |
| MYS  | Malaysia                                   |
| MYT  | Mayotte                                    |
| NAM  | Namibia                                    |
| NCL  | New Caledonia                              |
| NER  | Niger                                      |
| NFK  | Norfolk Island                             |
| NGA  | Nigeria                                    |
| NIC  | Nicaragua                                  |
| NIU  | Niue                                       |
| NLD  | Netherlands                                |
| NOR  | Norway                                     |
| NPL  | Nepal                                      |
| NRU  | Nauru                                      |
| NZL  | New Zealand                                |
| OMN  | Oman                                       |
| PAK  | Pakistan                                   |
| PAN  | Panama                                     |
| PCN  | Pitcairn                                   |
| PER  | Peru                                       |
| PHL  | Philippines                                |
| PLW  | Palau                                      |
| PNG  | Papua New Guinea                           |
| POL  | Poland                                     |
| PRI  | Puerto Rico                                |
| PRK  | Korea, Democratic People's Republic Of     |
| PRT  | Portugal                                   |
| PRY  | Paraguay                                   |
| PYF  | French Polynesia                           |
| QAT  | Qatar                                      |

| Code | 009 - Country Description                    |
|------|----------------------------------------------|
| REU  | Reunion                                      |
| ROM  | Romania                                      |
| RUS  | Russian Federation                           |
| RWA  | Rwanda                                       |
| SAU  | Saudi Arabia                                 |
| SDN  | Sudan                                        |
| SEN  | Senegal                                      |
| SGP  | Singapore                                    |
| SGS  | South Georgia And The South Sandwich Islands |
| SHN  | Saint Helena                                 |
| SJM  | Svalbard And Jan Mayen                       |
| SLB  | Solomon Islands                              |
| SLE  | Sierra Leone                                 |
| SLV  | El Salvador                                  |
| SMR  | San Marino                                   |
| SOM  | Somalia                                      |
| SPM  | Saint Pierre And Miquelon                    |
| STP  | Sao Tome And Principe                        |
| SUR  | Suriname                                     |
| SVK  | Slovakia                                     |
| SVN  | Slovenia                                     |
| SWE  | Sweden                                       |
| SWZ  | Swaziland                                    |
| SYC  | Seychelles                                   |
| SYR  | Syrian Arab Republic                         |
| TCA  | Turks And Caicos Islands                     |
| TCD  | Chad                                         |
| TGO  | Togo                                         |
| THA  | Thailand                                     |
| TJK  | Tajikistan                                   |
| TKL  | Tokelau                                      |
| TKM  | Turkmenistan                                 |
| TMP  | East Timor                                   |
| TON  | Tonga                                        |
| TTO  | Trinidad And Tobago                          |
| TUN  | Tunisia                                      |
| TUR  | Turkey                                       |
| TUV  | Tuvalu                                       |
| TWN  | Taiwan, Province Of China                    |
| TZA  | Tanzania, United Republic Of                 |
| UGA  | Uganda                                       |
| UKR  | Ukraine                                      |
| UMI  | United States Minor Outlying Islands         |
| URY  | Uruguay                                      |
| USA  | United States                                |
| UZB  | Uzbekistan                                   |
| VAT  | Holy See (Vatican City State)                |
| VCT  | Saint Vincent And The Grenadines             |

| Code | 009 - Country Description |
|------|---------------------------|
| VEN  | Venezuela                 |
| VGB  | Virgin Islands, British   |
| VIR  | Virgin Islands, U.S.      |
| VNM  | Viet Nam                  |
| VUT  | Vanuatu                   |
| WLF  | Wallis And Futuna         |
| WSM  | Samoa                     |
| YEM  | Yemen                     |
| YUG  | Yugoslavia                |
| ZAF  | South Africa              |
| ZMB  | Zambia                    |
| ZWE  | Zimbabwe                  |

### 11.10 010 – Address Type (PID-11.7)

| Code | 010 - Address Type Description |
|------|--------------------------------|
| H    | Home (Primary)                 |
| M    | Mailing                        |
| C    | Current or Temporary           |

### 11.11 011 – Telecommunication Use Code (PID-13.2, PID-14)

| Code | 011 - Telecommunication Use Code Description |
|------|----------------------------------------------|
| EMR  | Emergency Number                             |
| ORN  | Other Residence Number (e.g. Mobile)         |
| PRN  | Primary Residence Number                     |
| WPN  | Work Number                                  |

### 11.12 012 – Patient Death Indicator (PID-30)

| Code | 012 - Patient Death Indicator Description |
|------|-------------------------------------------|
| Y    | Yes – Patient is Deceased                 |
| N    | No – Patient is Not Deceased              |

### 11.13 013 – Acknowledgement Code (MSA-1)

| Code | 013 - Acknowledgement Code Description                                                |
|------|---------------------------------------------------------------------------------------|
| AA   | Original Mode: Application Accept - Enhanced mode: Application acknowledgment: Accept |
| AE   | Original Mode: Application Accept - Enhanced mode: Application acknowledgment: Error  |
| AR   | Original Mode: Application Accept - Enhanced mode: Application acknowledgment: Reject |

## 11.14 014 – Identifier (ERR-1.4.1)

| Code | 014 - Identifier Description |
|------|------------------------------|
| 0    | Message Accepted             |
| 100  | Segment Sequence Error       |
| 101  | Required Field Missing       |
| 102  | Data Type Error              |
| 103  | Table Value Not Found        |
| 200  | Unsupported MessageType      |
| 201  | Unsupported Event Code       |
| 202  | Unsupported Processing ID    |
| 203  | Unsupported Version ID       |
| 204  | Unknown Key Identifier       |
| 205  | Duplicate Key Identifier     |
| 206  | Application Record Lock      |
| 207  | Application Internal Error   |