**Conformance Statement – ADT A40**

TABLE OF CONTENTS

[0 Introduction 3](#_Toc470093820)

[0.1 Purpose 3](#_Toc470093821)

[0.2 Target Group 3](#_Toc470093822)

[0.3 References 3](#_Toc470093823)

[0.4 Message Profile 3](#_Toc470093824)

[0.5 Revision history 3](#_Toc470093825)

[1 ADT A40 4](#_Toc470093826)

[1.1 Data types 5](#_Toc470093827)

[1.2 MSH – Message Header 5](#_Toc470093828)

[1.3 EVN – Event Type 7](#_Toc470093829)

[1.4 PID – Patient Identification 7](#_Toc470093830)

[1.5 PD1 – Additional Demographics 7](#_Toc470093831)

[1.6 MRG – Merge Information 7](#_Toc470093832)

[1.7 PV1 – Patient Visit 8](#_Toc470093833)

# Introduction

## Purpose

The purpose of this document is to provide guidelines for Merge Patient - Patient Identifier List (ADT A40) message type.

## Target Group

This document is intended for external suppliers and system administrators at VGR.

## References

For details on the message segments and trigger events – review the HL7 Messaging Standard Version 2.6 Product Brief:

* Chapter 2 (Control)
* Chapter 3 (Patient Administration)

And VGR specific segment statements:

* Conformance Statement – PID Segment.docx

## Message Profile

– HL7 Version: 2.6

– Profile Type: Constrainable

## Revision history

|  |  |  |  |
| --- | --- | --- | --- |
| Revision | Datum | Beskrivning | Utfärdare |
| PA1 | 2016-09-21 | Initial version | Albert Örwall |
| PA2 | 2016-10-17 | Moved PID to a separate document | Robin Seybold |
| PA3 | 2016-12-21 | Updated Seq 7 in MSH to type DTM. | Robin Seybold |

# ADT A40

VGR supports the following ADT trigger event:

• ADT^A40 - "Merge Patient - Patient Identifier List"

The following message structure is applied to the supported trigger event.

|  |  |
| --- | --- |
| MSH | Message Header |
| EVN  { | Event Type  --- PATIENT BEGIN |
| PID  [ PD1 ]  MRG | Patient Identification  Additional Demographics Merge Information |
| PV1  } | Patient Visit --- PATIENT END |

## Data types

## MSH – Message Header

The MSH segment defines the intent, source, destination, and some specifics of the syntax of a message.

Usage: Required  
Cardinality: 1..1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Seq. | Name | Type | Table | Len | Opt | Card | Contents |
| 1 | Field Separator | ST |  | 1 | R | 1..1 | e.g. | |
| 2 | Encoding Characters | ST |  | 4 | R | 1..1 | e.g. ^~\& |
| 3 | Sending Application | HD |  | 227 | R | 1..1 |  |
| 3.1 | namespace ID | IS |  | 50 | R | .. | HSA-ID |
| 4 | Sending Facility | HD |  | 227 | O | 0..1 |  |
| 4.1 | namespace ID | IS |  | 50 | O | .. | HSA-ID |
| 5 | Receiving Application | HD | 0361 | 227 | O | 0..1 |  |
| 5.1 | namespace ID | IS |  | 50 | O | .. | HSA-ID (function) |
| 6 | Receiving Facility | HD | 0362 | 227 | O | 0..1 |  |
| 6.1 | namespace ID | IS |  | 50 | O | .. | HSA-ID (unit) |
| 7 | Date/Time Of Message | DTM |  | 24 | R | 1..1 | e.g. 200511250945 |
| 9 | Message Type | CM\_MSG | 0076 | 15 | R | 1..1 |  |
| 9.1 | message type | ID | 0076 | 3 | R | .. | e.g. ADT A40 |
| 9.2 | trigger event | ID | 0003 | 3 | R | .. | e.g. A40 |
| 9.3 | message structure | ID | 0354 | 7 | O | .. | e.g. ADT A40\_Z01 |
| 10 | Message Control ID | ST |  | 20 | R | 1..1 | e.g. 0000001 |
| 11 | Processing ID | PT |  | 3 | R | 1..1 |  |
| 11.1 | processing ID | ID | 0103 | 3 | R | .. | e.g. P |
| 12 | Version ID | VID | 0104 | 973 | R | 1..1 |  |
| 12.1 | version ID | ID | 0104 | 60 | R | .. | e.g. 2.6 |
| 18 | Character Set | ID | 0211 | 16 | O | 0..\* | e.g. UNICODE UTF-8 |

**1. Field Separator**  
This field contains the separator between the segment ID and the first real field, MSH-2- encoding characters. As such it serves as the separator and defines the character to be used as a separator for the rest of the message. Recommended value and used by VGR is |, (ASCII 124).

**2. Encoding Characters**This field contains the four characters in the following order: the component separator, repetition separator, escape character, and subcomponent separator. Recommended values and used by VGR are ^~\&, (ASCII 94, 126, 92, and 38).

**3. Sending Application**This field uniquely identifies the sending application among all other applications within the network enterprise. The network enterprise consists of all those applications that participate in the exchange of HL7 messages within the enterprise. Entirely site-defined and a parameter for VGR.

**4. Sending Facility**This field uniquely identifies the sending facility among all other applications within the network enterprise. The network enterprise consists of all those applications that participate in the exchange of HL7 messages within the enterprise. Entirely site-defined and a parameter for VGR.

**5. Receiving Application**This field uniquely identifies the receiving application among all other applications within the network enterprise. The network enterprise consists of all those applications that participate in the exchange of HL7 messages within the enterprise. Entirely site-defined and a parameter for VGR.

**6. Receiving Facility**This field uniquely identifies the receiving facility among all other applications within the network enterprise. The network enterprise consists of all those applications that participate in the exchange of HL7 messages within the enterprise. Entirely site-defined and a parameter for VGR.

**7. Date/Time Of Message**This field contains the date/time that the sending system created the message. If the time zone is specified, it is expected to be the local time zone.

**9. Message Type**Should be ADT A40^A04^ADT A40\_A01.

**10. Message Control ID**This field contains a number or other identifier that uniquely identifies the message. The receiving system echoes this ID back to the sending system in the Message acknowledgment segment (MSA).

**11.1. processing ID**Should be P for Production, T for Test

**12.1. version ID**Should be 2.6

**18. Character Set**Should be UNICODE UTF-8

## EVN – Event Type

The EVN segment is used to communicate necessary trigger event information to receiving applications.

Usage: Required  
Cardinality: 1..1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Seq. | Name | Type | Table | Len | Opt | Card | Contents |
| 1 | Event Type Code | ID |  | 3 | B | 0..1 | e.g. A40 |
| 2 | Recorded Date/Time | DTM |  | 24 | R | 1..1 | e.g. 200708181123 |
| 5 | Operator ID | XCN | 0188 | 250 | O | 0..1 |  |
| 7 | Event Facility | HD |  | 241 | O | 0..1 |  |

**1. Event Type Code**This field contains the events corresponding to the trigger events described in this section. Should be A40.

**2. Recorded Date/Time**The system date/time when the transaction was entered

**5. Operator ID**HSA identity of the responsible individual who carried out the merger.

**7. Event Facility**  
HSA identity of the unit where the merger was initiated. If other than the facility specified in *MSH-4 Sending Facility*.

## PID – Patient Identification

For details on how to define the PID Segment, refer to the Conformance Statement – PID Segment.docx document.

Usage: Required   
Cardinality: 1..1

## PD1 – Additional Demographics

Usage: Not supported

## MRG – Merge Information

The MRG segment provides receiving applications with information necessary to initiate the merging of patient data as well as groups of records.

Usage: Required  
Cardinality: 0..1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Seq. | Name | Type | Table | Len. | Opt | Card | Contents |
| 1 | Prior Patient Identifier List | CX |  | 250 | R | 1..\* |  |
| 1.1 | id number | ST |  | 15 | R | .. | e.g. 201212121212 |
| 1.4 | Assigning Authority | HD | 0363 | 227 | O | 0..1 |  |
| 1.4.1 | namespace id | IS | 0300 | 20 | O | 0..1 | e.g. Skatteverket |
| 1.4.2 | universal id | ST |  | 999 | C | 0..1 | e.g. 1.2.752.113 |
| 1.4.3 | universal id type | ID | 0301 | 6 | C | 0..1 | e.g. ISO |

**3. Prior Patient Identifier List**  
This field contains a list of identifiers (one or more) that should be merged to the new correct identifier specified in *PID-1 - Patient Identifier List.* See *Figure 1.5.1-1.*

## PV1 – Patient Visit

Usage: Not supported