



Mach7 EIP 12.2

Enterprise Imaging Platform

HL7 Conformance Statement

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Introduction

Mach7 EIP provides an Enterprise Imaging Platform (“EIP”) for managing medical images. As a component of those capabilities, Mach7 EIP is a consumer of HL7 messages (HL7 V2.3) for communicating with other medical system. Through this HL7 communication, data integrity of archived studies within the Mach7 Archive is maintained. Patient, Procedure and Result data may be ingested into the EIP and trigger the updating of metadata on medical imaging studies.

Release History

Release Version	Release Date	Sections Affected	Description
12.2.0	February 2024	All	Document refreshed, new template and formatting applied. Edited throughout.
12.2.0	September 2023	UTC Offsets in Incoming and Outgoing Messages	Added “UTC Offsets in Incoming and Outgoing Messages” section
12.2.0	November 2023	General Release	This is the general release of this statement for Mach7 EIP v12.2.0
12.0.0	November 2022	General Release	This is the general release of this statement for Mach7 EIP v12.0.0
11.9.1	January 2021	General Release	This is the general release of this statement for Mach7 EIP v11.9.1
11.9.0	July 2020	General Release	This is the general release of this statement for Mach7 EIP v11.9.0
11.8.4	August 2019	General Release	This is the general release of this statement for Mach7 EIP v11.8.4
11.8.3	November 2018	General Release	This is the general release of this statement for the Mach7 EIP v11.8.3

Release Version	Release Date	Sections Affected	Description
11.7.2	April 2017	General Release	This is the general release of this statement for the Mach7 EIP v11.7.2

Intended Audience

This documentation is intended for administrators of the Mach7 EIP with knowledge of system configurations and a general understanding of the system architecture.

Related Documents

- HL7 Standard: www.hl7.org
- IHE Technical Framework: www.ihe.net

Abbreviations

The following abbreviations are used within this document:

- ADT: Admission, Discharge, and Transfer message
- AL1: Patient Allergy Segment
- CVIS: Cardiovascular Information System
- EVN: Event Segment
- HL7: Health Level 7
- IHE: Integrating the Healthcare Enterprise
- MRG: Merge Patient Information segment
- MSH: Message Header segment
- OBR: Observation Request segment
- ORC: Common Order segment
- ORM: Order Request Messages
- PID: Patient ID segment
- PV1: Patient Visit segment
- RIS: Radiology Information System

HL7 Supported Events

The following sections describe the support of Mach7 EIP based on the noted HL7 events. Events are organized by HL7 message types. For each message type, segments and their fields are identified by their requirement for the HL7 standard and their use by Mach7 EIP.

Abbreviation	Definition
R	Required by the HL7 Standard
C	Conditionally required per the HL7 standard
O	Optional per the HL7 Standard

Admission Discharge and Transfer (ADT) Messages

Mach7 EIP will create patient demographic metadata based on HL7 Patient Registered (ADT A04) messages and will update patient metadata on archived studies based on HL7 Patient Updates (ADT A08) and Patient Merges (ADT A18 and A40). Updates will affect all archived imaging metadata within the Mach7 EIP database and file system.

Event Code	Action	Segments
A04	Register Patient	MSH, EVN, PID, PV1
A08	Update Patient	MSH, EVN, PID, PV1
A18	Merge Patient	MSH, EVN, PID, PV1, MRG
A40	Merge Patient	MSH, EVN, PID, PV1, MRG

Support of these ADT messages is described in the sections below:

- [ADT A04: Register Patient \(page 6\)](#)
- [ADT A08: Patient Update \(page 9\)](#)

- [ADT A18: Patient Merge \(page 13\)](#)
- [ADT A40: Patient Merge \(page 17\)](#)

ADT A04: Register Patient

Message Type	Event Code	Action
ADT	A04	Register new patient within the Mach7 Archive

Supported Segments

Segment	Segment Name	HL7 Requirement	Mach7 Use
MSH	Message Header	R	Yes
EVN	Event Type	R	No
PID	Patient Identification	R	Yes
PV1	Patient Visit	R	No
OBX	Observation Results	C	No
AL1	Allergy	C	No

MSH Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Field Separator	1	R	Yes
Encoding	2	R	Yes
Sending Application	3	R	Yes

Field Name	Sequence	HL7 Requirement	Mach7 Use
Sending Facility	4	R	Yes
Receiving Application	5	R	Yes
Receiving Facility	6	R	Yes
Date/Time of Message	7	O	No
Security	8	O	No
Message Type	9	R	Yes
Message Control ID	10	R	Yes
Processing ID	11	R	Yes
Version ID	12	R	Yes
Sequence Number	13	O	No
Continuation Pointer	14	O	No
Accept Acknowledgment Type	15	O	No
Application Acknowledgment Type	16	O	No
Country Code	17	O	No
Character Set	18	C	No
Principal Language of Message	19	O	No
Alternate Character Set Handling Scheme	20	O	No

PID Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Set ID – Patient ID	1	C	No
Patient ID	2	C	No
Patient Identifier List	3	R	Yes
Alternate Patient ID	4	C	No
Patient Name	5	R	Yes
Mother’s Maiden Name	6	C	No
Date of Birth	7	R	Yes
Sex	8	R	Yes
Patient Alias	9	C	No
Race	10	C	No
Patient Address	11	C	No
Country Code	12	C	No
Phone Number – Home	13	C	No
Phone Number – Business	14	C	No
Primary Language	15	C	No
Marital Language	16	C	No
Religion	17	C	No
Patient Account Number	18	C	No

Field Name	Sequence	HL7 Requirement	Mach7 Use
Patient Social Security Number	19	C	No
Driver's License Number	20	C	No
Mother's Identifier	21	C	No
Ethnic Group	22	C	No
Birth Place	23	C	No
Multiple Birth Indicator	24	C	No
Birth Order	25	C	No
Citizenship	26	C	No
Veterans Military Status	27	C	No
Nationality	28	C	No
Patient Death Date/Time	29	C	No
Patient Death Indicator	30	C	No

ADT A08: Patient Update

Message Type	Event Code	Action
ADT	A08	Update patient metadata within the Mach7 Archive

Supported Segments

Segment	Segment Name	HL7 Requirement	Mach7 Use
MSH	Message Header	R	Yes
EVN	Event Type	R	No
PID	Patient Identification	R	Yes
PV1	Patient Visit	R	No
OBX	Observation Results	C	No
AL1	Allergy	C	No

MSH Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Field Separator	1	R	Yes
Encoding	2	R	Yes
Sending Application	3	R	Yes
Sending Facility	4	R	Yes
Receiving Application	5	R	Yes
Receiving Facility	6	R	Yes
Date/Time of Message	7	O	No
Security	8	O	No
Message Type	9	R	Yes

Field Name	Sequence	HL7 Requirement	Mach7 Use
Message Control ID	10	R	Yes
Processing ID	11	R	Yes
Version ID	12	R	Yes
Sequence Number	13	O	No
Continuation Pointer	14	O	No
Accept Acknowledgment Type	15	O	No
Application Acknowledgment Type	16	O	No
Country Code	17	O	No
Character Set	18	C	No
Principal Language of Message	19	O	No
Alternate Character Set Handling Scheme	20	O	No

PID Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Set ID – Patient ID	1	C	No
Patient ID	2	C	No
Patient Identifier List	3	R	Yes
Alternate Patient ID	4	C	No
Patient Name	5	R	Yes

Field Name	Sequence	HL7 Requirement	Mach7 Use
Mother's Maiden Name	6	C	No
Date of Birth	7	R	Yes
Sex	8	R	Yes
Patient Alias	9	C	No
Race	10	C	No
Patient Address	11	C	No
Country Code	12	C	No
Phone Number – Home	13	C	No
Phone Number – Business	14	C	No
Primary Language	15	C	No
Marital Language	16	C	No
Religion	17	C	No
Patient Account Number	18	C	No
Patient Social Security Number	19	C	No
Driver's License Number	20	C	No
Mother's Identifier	21	C	No
Ethnic Group	22	C	No
Birth Place	23	C	No
Multiple Birth Indicator	24	C	No
Birth Order	25	C	No

Field Name	Sequence	HL7 Requirement	Mach7 Use
Citizenship	26	C	No
Veterans Military Status	27	C	No
Nationality	28	C	No
Patient Death Date/Time	29	C	No
Patient Death Indicator	30	C	No

ADT A18: Patient Merge

Message Type	Event Code	Action
ADT	A18	Merge patients within the Mach7 Archive

Supported Segments

Segment	Segment Name	HL7 Requirement	Mach7 Use
MSH	Message Header	R	Yes
EVN	Event Type	R	No
PID	Patient Identification	R	Yes
PV1	Patient Visit	R	No
MRG	Merge Information	R	Yes

MSH Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Field Separator	1	R	Yes
Encoding	2	R	Yes
Sending Application	3	R	Yes
Sending Facility	4	R	Yes
Receiving Application	5	R	Yes
Receiving Facility	6	R	Yes
Date/Time of Message	7	O	No
Security	8	O	No
Message Type	9	R	Yes
Message Control ID	10	R	Yes
Processing ID	11	R	Yes
Version ID	12	R	Yes
Sequence Number	13	O	No
Continuation Pointer	14	O	No
Accept Acknowledgment Type	15	O	No
Application Acknowledgment Type	16	O	No
Country Code	17	O	No
Character Set	18	C	No

Field Name	Sequence	HL7 Requirement	Mach7 Use
Principal Language of Message	19	O	No
Alternate Character Set Handling Scheme	20	O	No

PID Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Set ID – Patient ID	1	O	No
Patient ID	2	O	No
Patient Identifier List	3	R	Yes
Alternate Patient ID	4	O	No
Patient Name	5	R	Yes
Mother’s Maiden Name	6	C	No
Date of Birth	7	O	Yes
Sex	8	O	Yes
Patient Alias	9	O	No
Race	10	O	No
Patient Address	11	O	No
Country Code	12	O	No
Phone Number – Home	13	O	No
Phone Number – Business	14	O	No

Field Name	Sequence	HL7 Requirement	Mach7 Use
Primary Language	15	O	No
Marital Language	16	O	No
Religion	17	O	No
Patient Account Number	18	O	No
Patient Social Security Number	19	O	No
Driver's License Number	20	O	No
Mother's Identifier	21	O	No
Ethnic Group	22	O	No
Birth Place	23	O	No
Multiple Birth Indicator	24	O	No
Birth Order	25	O	No
Citizenship	26	O	No
Veterans Military Status	27	O	No
Nationality	28	O	No
Patient Death Date/Time	29	O	No
Patient Death Indicator	30	O	No

MRG Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Prior Patient Identifier List	1	R	Yes

Field Name	Sequence	HL7 Requirement	Mach7 Use
Prior Alternate Patient ID	2	O	No
Prior Patient Account Number	3	O	No
Prior Patient ID	4	O	No
Prior Visit Number	5	O	No
Prior Alternate Visit ID	6	O	No
Prior Patient Name	7	O	No

ADT A40: Patient Merge

Message Type	Event Code	Action
ADT	A40	Merge patients within the Mach7 Archive

Supported Segments

Segment	Segment Name	HL7 Requirement	Mach7 Use
MSH	Message Header	R	Yes
EVN	Event Type	R	No
PID	Patient Identification	R	Yes
PV1	Patient Visit	R	No
MRG	Merge Information	R	Yes

MSH Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Field Separator	1	R	Yes
Encoding	2	R	Yes
Sending Application	3	R	Yes
Sending Facility	4	R	Yes
Receiving Application	5	R	Yes
Receiving Facility	6	R	Yes
Date/Time of Message	7	O	No
Security	8	O	No
Message Type	9	R	Yes
Message Control ID	10	R	Yes
Processing ID	11	R	Yes
Version ID	12	R	Yes
Sequence Number	13	O	No
Continuation Pointer	14	O	No
Accept Acknowledgment Type	15	O	No
Application Acknowledgment Type	16	O	No
Country Code	17	O	No
Character Set	18	C	No

Field Name	Sequence	HL7 Requirement	Mach7 Use
Principal Language of Message	19	O	No
Alternate Character Set Handling Scheme	20	O	No

PID Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Set ID – Patient ID	1	O	No
Patient ID	2	O	No
Patient Identifier List	3	R	Yes
Alternate Patient ID	4	O	No
Patient Name	5	R	Yes
Mother’s Maiden Name	6	C	No
Date of Birth	7	O	Yes
Sex	8	O	Yes
Patient Alias	9	O	No
Race	10	O	No
Patient Address	11	O	No
Country Code	12	O	No
Phone Number – Home	13	O	No
Phone Number – Business	14	O	No

Field Name	Sequence	HL7 Requirement	Mach7 Use
Primary Language	15	O	No
Marital Language	16	O	No
Religion	17	O	No
Patient Account Number	18	O	No
Patient Social Security Number	19	O	No
Driver's License Number	20	O	No
Mother's Identifier	21	O	No
Ethnic Group	22	O	No
Birth Place	23	O	No
Multiple Birth Indicator	24	O	No
Birth Order	25	O	No
Citizenship	26	O	No
Veterans Military Status	27	O	No
Nationality	28	O	No
Patient Death Date/Time	29	O	No
Patient Death Indicator	30	O	No

MRG Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Prior Patient Identifier List	1	R	Yes

Field Name	Sequence	HL7 Requirement	Mach7 Use
Prior Alternate Patient ID	2	O	No
Prior Patient Account Number	3	O	No
Prior Patient ID	4	O	No
Prior Visit Number	5	O	No
Prior Alternate Visit ID	6	O	No
Prior Patient Name	7	O	No

Order Entry (ORM) Messages

Mach7 EIP will update patient metadata on archived studies based on the below listed HL7 Order Entry Messages. DICOM study prefetching may also be triggered by the receipt of ORM messages within the Mach7 Workflow Engine.

Event Code	Action	Segments
O01/NW	Order Scheduled	MSH, PID, PV1, ORC, OBR, OBX
O01/SC	Order Status Change	MSH, PID, PV1, ORC, OBR, OBX
O01/XO	Order Change / Update	MSH, PID, PV1, ORC, OBR, OBX
O01/CA	Order Cancelled	MSH, PID, PV1, ORC, OBR, OBX

Supported Segments

Segment	Segment Name	HL7 Requirement	Mach7 Use
MSH	Message Header	R	Yes

Segment	Segment Name	HL7 Requirement	Mach7 Use
PID	Patient Identification	R	Yes
PV1	Patient Visit	R	No
ORC	Common Order	R	Yes
OBR	Observation Request	C	Yes
OBX	Observation Result	C	No

MSH Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Field Separator	1	R	Yes
Encoding	2	R	Yes
Sending Application	3	R	Yes
Sending Facility	4	R	Yes
Receiving Application	5	R	Yes
Receiving Facility	6	R	Yes
Date/Time of Message	7	O	No
Security	8	O	No
Message Type	9	R	Yes
Message Control ID	10	R	Yes
Processing ID	11	R	Yes
Version ID	12	R	Yes

Field Name	Sequence	HL7 Requirement	Mach7 Use
Sequence Number	13	O	No
Continuation Pointer	14	O	No
Accept Acknowledgment Type	15	O	No
Application Acknowledgment Type	16	O	No
Country Code	17	O	No
Character Set	18	C	No
Principal Language of Message	19	O	No
Alternate Character Set Handling Scheme	20	O	No

PID Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Set ID – Patient ID	1	O	No
Patient ID	2	O	No
Patient Identifier List	3	R	Yes
Alternate Patient ID	4	O	No
Patient Name	5	R	Yes
Mother's Maiden Name	6	C	No
Date of Birth	7	O	Yes
Sex	8	O	Yes

Field Name	Sequence	HL7 Requirement	Mach7 Use
Patient Alias	9	O	No
Race	10	O	No
Patient Address	11	O	No
Country Code	12	O	No
Phone Number – Home	13	O	No
Phone Number – Business	14	O	No
Primary Language	15	O	No
Marital Language	16	O	No
Religion	17	O	No
Patient Account Number	18	O	No
Patient Social Security Number	19	O	No
Driver’s License Number	20	O	No
Mother’s Identifier	21	O	No
Ethnic Group	22	O	No
Birth Place	23	O	No
Multiple Birth Indicator	24	O	No
Birth Order	25	O	No
Citizenship	26	O	No
Veterans Military Status	27	O	No
Nationality	28	O	No

Field Name	Sequence	HL7 Requirement	Mach7 Use
Patient Death Date/Time	29	O	No
Patient Death Indicator	30	O	No

ORC Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Order Control	1	R	Yes
Placer Order Number	2	C	No
Filler Order Number	3	C	Yes

OBR Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Set ID - OBR	1	O	No
Placer Order Number	2	C	No
Filler Order Number	3	C	Yes
Universal Service Identifier	4	O	No
Priority - OBR	5	O	No
Requested Date/Time	6	O	No
Observation Date/Time #	7	O	No
Observation End Date/Time #	8	O	No

Field Name	Sequence	HL7 Requirement	Mach7 Use
Collection Volume	9	O	No
Collector Identifier	10	O	No

Observation Result (ORU) Messages

The Mach7 EIP will store and archive image results based on the below listed HL7 Observation Result Messages.

Event Code	Action	Segments
R01	Discrete Result	MSH, PID, PV1, ORC, OBR, NTE, OBX
R03	Display Result	MSH, PID, PV1, ORC, OBR, NTE, OBX

Supported Segments

Segment	Segment Name	HL7 Requirement	Mach7 Use
MSH	Message Header	R	Yes
PID	Patient Identification	R	Yes
PV1	Patient Visit	R	No
ORC	Common Order	R	Yes
OBR	Observation Request	C	Yes
OBX	Observation Result	C	Yes

MSH Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Field Separator	1	R	Yes
Encoding	2	R	Yes
Sending Application	3	R	Yes
Sending Facility	4	R	Yes
Receiving Application	5	R	Yes
Receiving Facility	6	R	Yes
Date/Time of Message	7	O	No
Security	8	O	No
Message Type	9	R	Yes
Message Control ID	10	R	Yes
Processing ID	11	R	Yes
Version ID	12	R	Yes
Sequence Number	13	O	No
Continuation Pointer	14	O	No
Accept Acknowledgment Type	15	O	No
Application Acknowledgment Type	16	O	No
Country Code	17	O	No
Character Set	18	C	No

Field Name	Sequence	HL7 Requirement	Mach7 Use
Principal Language of Message	19	O	No
Alternate Character Set Handling Scheme	20	O	No

PID Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Set ID – Patient ID	1	O	No
Patient ID	2	O	No
Patient Identifier List	3	R	Yes
Alternate Patient ID	4	O	No
Patient Name	5	R	Yes
Mother’s Maiden Name	6	C	No
Date of Birth	7	O	Yes
Sex	8	O	Yes
Patient Alias	9	O	No
Race	10	O	No
Patient Address	11	O	No
Country Code	12	O	No
Phone Number – Home	13	O	No
Phone Number – Business	14	O	No

Field Name	Sequence	HL7 Requirement	Mach7 Use
Primary Language	15	O	No
Marital Language	16	O	No
Religion	17	O	No
Patient Account Number	18	O	No
Patient Social Security Number	19	O	No
Driver's License Number	20	O	No
Mother's Identifier	21	O	No
Ethnic Group	22	O	No
Birth Place	23	O	No
Multiple Birth Indicator	24	O	No
Birth Order	25	O	No
Citizenship	26	O	No
Veterans Military Status	27	O	No
Nationality	28	O	No
Patient Death Date/Time	29	O	No
Patient Death Indicator	30	O	No

ORC Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Order Control	1	R	Yes

Field Name	Sequence	HL7 Requirement	Mach7 Use
Placer Order Number	2	C	No
Filler Order Number	3	C	Yes

OBR Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Set ID - OBR	1	O	No
Placer Order Number	2	C	No
Filler Order Number	3	C	Yes
Universal Service Identifier	4	O	No
Priority - OBR	5	O	No
Requested Date/Time	6	O	No
Observation Date/Time #	7	O	No
Observation End Date/Time #	8	O	No
Collection Volume	9	O	No
Collector Identifier	10	O	No

OBX Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Set ID - OBX	1	O	No

Field Name	Sequence	HL7 Requirement	Mach7 Use
Value Type	2	C	No
Observation Identifier	3	R	Yes
Observation Sub-ID	4	C	No
Observation Value	5	C	Yes
Units	6	O	No
Reference Range	7	O	No
Abnormal Flags	8	O	No
Probability	9	O	No
Nature of Abnormal Test	10	O	No
Observation Result Status	11	R	Yes
Date Last Obs Normal Values	12	O	No
User Defined Access Checks	13	O	No
Date/Time of Observation	14	O	Yes
Producers ID	15	O	Yes
Responsible Observer	16	O	Yes
Observation Method	17	O	No

Scheduling Information Unsolicited (SIU) Messages

Mach7 EIP will create and update existing scheduled procedures based on the below listed HL7 Scheduling Information Unsolicited events. DICOM study prefetching may also be triggered by the receipt of SIU messages if configured within the Mach7 Workflow Engine.

Event Code	Action	Segments
S12	Visit Scheduled	MSH, SCH, PID, RGS, AIS, AIG, AIL, AIP
S13	Visit Rescheduled	MSH, SCH, PID, RGS, AIS, AIG, AIL, AIP
S14	Visit Updated	MSH, SCH, PID, RGS, AIS, AIG, AIL, AIP
S15	Visit Cancelled	MSH, SCH, PID, RGS, AIS, AIG, AIL, AIP

Supported Segments

Segment	Segment Name	HL7 Requirement	Mach7 Use
MSH	Message Header	R	Yes
SCH	Schedule Activity Information	R	Yes
PID	Patient Identification	R	Yes
RGS	Resource Group Segment	R	No
AIS	Appointment Information Service	R	No
AIG	Appointment Information General Resource	R	No
AIL	Appointment Information Location Resource	R	No
AIP	Appointment Information	R	No

MSH Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Field Separator	1	R	Yes

Field Name	Sequence	HL7 Requirement	Mach7 Use
Encoding	2	R	Yes
Sending Application	3	R	Yes
Sending Facility	4	R	Yes
Receiving Application	5	R	Yes
Receiving Facility	6	R	Yes
Date/Time of Message	7	O	No
Security	8	O	No
Message Type	9	R	Yes
Message Control ID	10	R	Yes
Processing ID	11	R	Yes
Version ID	12	R	Yes
Sequence Number	13	O	No
Continuation Pointer	14	O	No
Accept Acknowledgment Type	15	O	No
Application Acknowledgment Type	16	O	No
Country Code	17	O	No
Character Set	18	C	No
Principal Language of Message	19	O	No
Alternate Character Set Handling Scheme	20	O	No

SCH Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Placer Appointment ID	1	C	No
Filler Appointment ID	2	C	No
Occurrence Number	3	C	No
Placer Group Number	4	O	No
Schedule ID	5	O	No
Event Reason	6	R	Yes
Appointment Reason	7	O	No
Appointment Type	8	O	No
Appointment Duration	9	O	No
Appointment Duration Units	10	O	No
Appointment Timing Quantity	11	R	No
Placer Contact Person	12	R	No
Placer Contact Phone Number	13	O	No
Placer Contact Address	14	O	No
Placer Contact Location	15	O	No
Filler Contact Person	16	R	No
Filler Contact Phone Number	17	O	No
Filler Contact Address	18	C	No

Field Name	Sequence	HL7 Requirement	Mach7 Use
Filler Contact Location	19	O	No
Entered By Person	20	R	No
Entered By Phone Number	21	O	No
Entered By Location	22	O	No
Parent Placer Appointment ID	23	O	No
Parent Filler Appointment ID	24	C	No
Filler Status Code	25	O	No

PID Segment Supported Fields

Field Name	Sequence	HL7 Requirement	Mach7 Use
Set ID – Patient ID	1	O	No
Patient ID	2	O	No
Patient Identifier List	3	R	Yes
Alternate Patient ID	4	O	No
Patient Name	5	R	Yes
Mother's Maiden Name	6	C	No
Date of Birth	7	O	Yes
Sex	8	O	Yes
Patient Alias	9	O	No
Race	10	O	No

Field Name	Sequence	HL7 Requirement	Mach7 Use
Patient Address	11	O	No
Country Code	12	O	No
Phone Number – Home	13	O	No
Phone Number – Business	14	O	No
Primary Language	15	O	No
Marital Language	16	O	No
Religion	17	O	No
Patient Account Number	18	O	No
Patient Social Security Number	19	O	No
Driver’s License Number	20	O	No
Mother’s Identifier	21	O	No
Ethnic Group	22	O	No
Birth Place	23	O	No
Multiple Birth Indicator	24	O	No
Birth Order	25	O	No
Citizenship	26	O	No
Veterans Military Status	27	O	No
Nationality	28	O	No
Patient Death Date/Time	29	O	No
Patient Death Indicator	30	O	No

UTC Offsets in Incoming and Outgoing Messages

All time fields in incoming HL7 messages are processed with the UTC offset specified in each message. If no offset is specified, the server's UTC offset is used to interpret time for a given message.

Time fields in the outgoing HL7 messages may optionally (based on configuration) include the UTC offset of the sending server.