

HL-7 Message Exchange

Health Level 7

Interface Engine provides Real Time exchange using TCP/IP sockets for all HL-7 based communications for implementation of HL7 interface standards version 4.x.

Supported Messages for Exports

Support the following HL7 Event Type Codes at a minimum to support the exchange of ADTs, Laboratory results and Transcribed documents:

The following Event Types are supported for HL7 export from the system.

ADT Messages:

A01 Admit/Visit Notification

A04 Register a Patient

A05 Pre-admit a Patient

A08 Update Patient Information

A09 Patient Departing - Tracking

A18 Merge Patient Information

A19 Patient Query Response

A28 Add Person Information

A31 Update Person Information

A34 Merge Patient Information – Patient ID Only

A46 Change External ID

SIU Messages:

S12 Notification of New Appointment Booking

S13 Notification of Appointment Rescheduling

S14 Notification of Appointment Modification

S15 Notification of Appointment Cancellation

S22 Notification of Deletion of Service/Resource on Appt

ACK Messages:

ACK Message Acknowledgment

Laboratory Messages (Discrete)

System required to send at minimum the following:

OBR-16: Ordering Provider

ORC-12: Ordering Provider

OBR-28: Results Copies To

PV1-7: Attending Doctor

PV1-8: Referring Doctor

PV1-9: Consulting Doctor

PV1-17: Admitting Doctor

PV1-52: Other Healthcare Provider

ORU

TQ1 Order Timing Quantity

SPM Specimen characteristics

OBX ST Line 1 Text of Line 1

OBX ST Line 2 Text of Line 2

OBX ST Organism 1 Isolated

Pathology and Blood Bank result messages in text format will be formatted with these segments: (if applicable)

MSH - Required

SFT - Required

PID - Required, one per message

NK1 - Optional, multiple per message

PV1 - Required, one per message

PV2 - Required, one per message

ORC - Required, multiple per message

OBR - Required, one per message

TQ1 - Timing Quantity

SPM - Specimen characteristics

OBX - Required, may be multiple per message

CCD Exchange

Support the following:

- Standard IHE profile
- Xds.b standard connection
- PIX - To register and update patient
- Doc Query/Doc Retrieve – will query the HIE and retrieve CCD that will go into facility EMR
- Inbound PnR – Will send CCD, CCD will include Provider NPI and organization
- Include PCP NPI and organization, and patient consent (Opt In/Out)
- Capable of blocking Part 2 information at the EMR level
- Encounter based trigger (sends CCD to HIE)