

MIHIN LONGITUDINAL RECORD VIEWER

HL7[®] DATA MAPPING GUIDE

**A QUICK REFERENCE GUIDE FOR
NAVIGATING HL7 MAPPINGS IN THE
LONGITUDINAL RECORD VIEWER**

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Patient Data from V2 ADT Messages

V2 Field	V2 Field Definition	LR Viewer Field
PID-3.1	Patient Identifier (ID number)	Patient Identifier
PID-3.4	Patient Identifier (Assigning Authority)	
PID-3.5	Patient Identifier (Identifier Type Code)	
PID-5.1	Family Name	Patient Last Name
PID 5.2	Given Name	Patient First Name
PID-7	Date of Birth	Date of Birth
PID-8	Administrative Gender	Gender
PID-10.1, 10.2, 10.3 RCE^White^http://acme.org/race	Race	
PID-11	Patient Address	Address
PID-13.1, 13.2, 13.3 1(305)555-1212^PRN^PH	Phone Number	Phone
PID-15.1, 15.2, 15.3 ENG^English^http://acme.org/primarylanguage	Primary Language	Language
PID-16.1, 16.2, 16.3 L^Legally Separated^http://acme.org/maritalstatus	Marital Status	Marital Status
PID-17.1, 17.2, 17.3 AGN^Agnostic^http://acme.org/religion	Religion	Religion
PID-22.1, 22.2, 22.3 2^Hispanic of Latino^http://acme.org/ethnicgroup	Ethnic Status	
PID-29/30	Patient Death Date and Time/Patient Death Indicator	

Encounter Data from V2 ADT Messages

V2 Field	V2 Field Definition	LR Viewer Field
PV1-2	Patient Class	Type
PV1-3.1	Assigned Location (Point of Care)	
PV1-3.2	Assigned Location (Room)	
PV1-3.3	Assigned Location (Bed)	
PV1-3.4	Assigned Location (Facility) FFF^fff^anytext (populated from name associated with the MSH4.1 OID value)	Facility
PV1-4	Admission Type (displays if PV1-2 is not present)	Type
PV1-19	Visit Number	Visit Number
PID-3.1	Local MRN	Not Currently Displayed
PV1-44	Admit Date/Time	Date
PV1-44	Discharge Date/Time	Discharge Date

Encounter Data from V2 ADT Messages (con't)

V2 Field	V2 Field Definition	LR Viewer Field
PV2-3.2	Admit Reason	Admit Reason
DG1-3.1 and 3.3 FFF^FFF DG1-4	Diagnosis Code/Description (populates Admit Reason if no value present in PV2-3.2)	Admit Reason
DG1-6	Diagnosis Type	Requires A or W or F for DG1-4 to display
ROL-4	Role Person (repeating segment) Requires ROL 3.1 and ROL 3.3 Code^code display^System ROL 1 AD AT^code display^http://hl7.org/fhir/v3/ParticipationType WHITAKERM^WHITAKER^ MARC^E^^^MD^^^^^^XX ROL 2 AD PP^code display^http://hl7.org/fhir/v3/ParticipationType ABRAHAMLA^ABRAHAM^ LIBERTY^A^^^NP^^^^^^XX	Care Provider

Diagnostic Imaging from V2 RAD Data

Diagnostic Report of Category = RAD

V2 Field	V2 Field Definition	LR Viewer Field
OBX-23-1 or PV1-3.4	Performing Organization Name, OR Assigned Patient Location Facility (Populated with name associated with the MSH4.1 OID value) Example - FFF^^fff^anytext	Source
OBR-51	Filler Order Number	
OBR-4 4.1, 4.3 fff^^ffff	Universal Service Identifier	Report
OBR-7	Observation Date/Time	Date
OBR-22	Results Report Date/Time	
OBR-24	Diagnostic Service ID (Set based on the incoming feed type. original value sent on message is cleared and replaced)	
OBR-25 Required	Result Status	Status

Diagnostic Imaging - Child Table

V2 Field	V2 Field Definition	LR Viewer Field
OBX-3	Observation identifier (OBX-3.1 and OBX3.3 MUST be populated for reports to display)	
OBX-5	Observation value	Report (if OBX-2=ST) Value (if OBX-2 = NM)
OBX-6.1	Units	Unit (if OBX-2=NM)
OBX-7	Reference Range	
OBX-8	Interpretation Codes	
OBX-11	Observation Result Status	
OBX-14 or OBX-19	Date/Time of the Observation	Date
OBX-19	Date/Time of Analysis	
OBX- 15,16,18,23	Producer's ID	
OBX-17	Observation Method	
OBX-20	Observation Site	
OBX-21	Observation Instance Identifier	
OBX-23-1	Performing Organization Name	
NTE-3	Comment	

Other Results from V2 data

(non-ADT, non-LAB, non-RAD)

Diagnostic Report of Category = OTH

V2 Field	V2 Field Definition	LR Viewer Field
OBX-23-1 or PV1-3.4	Performing Organization Name OR Assigned Patient Location (populated with name associated with the MSH4.1 OID value) PV1-3.4 example FFF^fff^anytext	Facility
OBR-3/ OBR-51	Filler Order Number	
OBR-4.2	Universal Service Identifier	Description
OBR-7	Observation Date/Time	Date
OBR-22	Results Report Date/Time	Issued
OBR-24	Diagnostic Service ID (Set based on incoming feed type. original value sent on the message is cleared and replaced)	
OBR-25	Result Status	Status

Other Results - Child Table

V2 Field	V2 Field Definition	LR Viewer Field
OBX-3	Observation Identifier	Name
OBX-5	Observation Value	Value
OBX-6.1	Units	
OBX-7	Reference Range	
OBX-8	Interpretation Codes	
OBX-11	Observation Result Status	
OBX-14 or OBX-19	Date/Time of the Observation	Date
OBX-19	Date/Time of Analysis	
OBX- 15,16,18,23	Producer's ID	
OBX-17	Observation Method	
OBX-20	Observation Site	
OBX-21	Observation Instance Identifier	
OBX-23-1 or PV1-3.4	Performing Organization Name PV1-3.4 example FFF^fff^anytext	
NTE-3	Comment	

Lab/Observation Results from V2 Lab

Diagnostic Report of Category = Lab & Observation - note CCD Others will appear here

V2 Field	V2 Field Definition	LR Viewer Field
OBX-23-1 or PV1-3.4	Performing Organization Name or Assigned Patient Location PV1-3.4 example FFF^^fff^anytext	Source
OBR-2.1, 2.2	Place Order Number	
OBR-4.2	Universal Service Identifier	Test
OBR-7	Observation Date/Time	Date
OBR-22	Results Report Date/Time	
OBR-24	Diagnostic Service ID (Set based on the incoming feed time. Original value sent on the message is cleared and replaced)	
OBR-25	Result Status	Status

Lab/Observation Results - Child Table

V2 Field	V2 Field Definition	LR Viewer Field
OBX-3.1, 3.2, 3.3 Code^Display^System	Observation Identifier	Test
OBX-5	Observation Value	Unit
OBX-6.1, 6.2, 6.3 Code^Display^System	Units	Unit
OBX-7	Reference Range	Range
OBX-8	Interpretation Codes	Flag
OBX-11	Observation Results Status	
OBX-14 or OBX-19	Date/Time of the Observation	Status

Condition/Problem List

Combined from V2 and CCD data. Information presented here is exclusively related to V2 messages.

Special requirements must be met for V2 messages for the discrete conditions to be created. The following segments must be present:

DG1-3.1 (Diagnosis Code - Code)
DG1-20.1 (Diagnosis Identifier - Identifier)
DG1-20.2 (Diagnosis Identifier - Namespace ID)

V2 Field	V2 Field Definition	LR Viewer Field
DG1-3.1 and 3.3 ff^RR^ff	Diagnosis Code - Identifier	Code (Comma delimited list)
DG1-3.2/DG1-4	Diagnosis Code - Text	Condition
DG1-5	Date/Time of Message	
DG1-6	Diagnosis Type (Should have a value of 'A,' 'F,' or 'W')	
DG1-20.1, 20.2 (Required) ^http://acme.org/diagnosisIdentifiers	Diagnosis Identifier	

Note: Category, Status, and Onset Date columns are only populated by Conditions listed on CCDs

Procedures/Devices

from CCDs only

V2 Field	V2 Field Definition	LR Viewer Field
PR1-19.2 and 19.2 required for stand alone Proc		
PR1-3.1, 3.2, 3.3 ff^ff^ff	Procedure Code- Text	Procedure
PR1-3.1	Procedure Code - Identifier	Operation Code
PR1-5	Procedure Date/Time	Date
PR1-8	Anesthesiologist	Care Provider
PR1-11	Surgeon	Care Provider
PR1-12	Procedure Practitioner	Care Provider
PV1-3.4	Assigned Patient Location - Facility FFF^^fff^anytext This is required to be populated with something. We transform this field using the MSH4.1 OID mapping and replace it.	Location

Allergies

V2 Field	V2 Field Definition	LR Viewer Field
AL1-2.1 and 2.3 ff^^ff	Allergy Type	
AL1-3.1	Allergen Code	
AL1-3.2 and 3.3 ff^rr^ff	Allergen Description	Substance
AL1-4.1, 4.2, 4.3 ff^rr^FF	Allergen Severity	Severity
AL1-5	Allergy Reaction (ex. Other- Hyperkalemia)	Reaction
AL1-6	Allergy Identification Date	Onset Date

Insurance (Coverage)

V2 Field	V2 Field Definition	LR Viewer Field
IN1-2.1, 2.2, 2.3 Required	Insurance Plan ID	Plan
IN1-4.1	Payor Name	
IN1-8.1	Group Number	
IN1-12	Plan Effective Date	Period Start
IN1-13	Plan Expiration Date	Period End
IN1-15	Plan Type	

Documents from MDM V2 Messages

V2 Field	V2 Field Definition	LR Viewer Field
TXA-2	Document Type	Type
TXA-4	Activity Date/Time	Date
TXA-9	Originator Code/Name	Author - Not supporting currently
OBX-5	Observation Value	Download Icon (FHIR viewer will base 64 decode the long string, allowing user to view the human readable form)