|  |  |
| --- | --- |
| V 2.9 HL7 Proposal | |
| *Change Request ID:* | *To be Defined* |
| *File Name:* |  |
| *Description:* | *Restoring XAD, XCN, XON, XPN & XTN data types to HL7 Table 0125 - Value Types* |
| *Status:* | *New Proposal* |
| *Sponsoring Person* | *Mark Jones* |
| *Sponsoring Business Unit* | *Orders and Observations* |
| *Date Originated:* | *2/12/2014* |
| *Date HL7 approved:* |  |
| *Backward Compatible:* |  |
| *Forward Compatible:* |  |
| *HL7 Status & Date* |  |

# Justification Detail:

Issue noted in the HL7 v2.5.1 LOI IG DSTU: Examples provided in section 2.6.6 for Ask at Order Entry (AOE) questions in 2.6.6.2 show refer to questions with OBX-5 answers for organization, org address, person and person address, with the value types listed in the corresponding OBX-2 fields of XON, XAD, XPN and XAD again. Valid use-case examples, but with the v2.5.1 Table 0125 being constrained and these values not being included, are now not compliant. Further complicating matters is the fact that these values, along with XCN and XTN, were deprecated from this table as of v2.7.

The original proposal was to restore these codes to HL7 0125 in the v2.5.1 LOI IG Errata document, harmonize that update with the v2.5.1 ELR R2, v2.5.1 LRI and v2.5.1 eDOS R2 IGs, and to restore those values to Table 0125 in the v2.9 base standard. However some review of existing and approved change requests revealed the following:

Here’s the list of activities that happened during the run up to and balloting of 2.7 related to table 0125:

• [Proposal 512](http://www.hl7.org/memonly/dbtracker/display_detail.cfm?trackerid=512) tries to correct the values in table 0125

• [Proposal 517](http://www.hl7.org/memonly/dbtracker/display_detail.cfm?trackerid=517) (supersedes 512) – it essentially drops table 0125 and associates OBX-2 Value type with table 440 (all 2.x data types)

• May 2008 Normative 1 ballot for 2.7

o In chapter 7, the segment attribute table still shows table 0125 for OBX-2, but the field note for OBX-2 was changed to point to table 0440. The Notes to balloters for chapter 7 indicate the OBX-2 changes are tied to proposal 517, so OO did approve adoption of 517.

o In chapter 2.C table 0125 was incorrectly retained, with all the problems identified in proposals 512/517

o Negative ballot comments were submitted against chapter 2.C table 0125 to fix all the issues with the table. We (OO) must have forgotten about the previously agreed change to drop 0125 and use the full data types table 0440. Apparently as part of the new round of cleanup we agreed to drop all the X.. data types from the table. That isn’t captured in the reconciliation comments from N1 ballot.

• Sept 2008 N2 ballot for 2.7

o In chapter 7, the segment attribute table still shows table 0125 for OBX-2, but the field note for OBX-2 was points to table 0440.

o In chapter 2.C table 0125 has all the revisions apparently agreed to during reconciliation.

o Negative ballot comment from Austin Kreisler, to correct the table reference in the field note to match the segment attribute table and use the “cleaned up” table 0125. Reconciliation found that persuasive. • Jan 2009 N3 ballot for 2.7 o Chapter 7 uses 0125 in the segment attribute table and field note for OBX-2

o Chapter 2.C appears to be unchanged from N2 for table 0125.

In light of this evidence we need to proceed with actually implementing 517, with a number of changes in chapter 7 and 2.C, not all of which were documented in the proposal nor were these all implemented in Normative 1 ballot.

Current proposal is now to replace table 0125 with table 0440 in 2.8.2, and discuss whether there is a case for errata for 2.7, 2.7.1, 2.8 and 2.8.1 on this item.

What may not have been discussed at the time of 517, is the impact this has on Chapter 8 masterfiles – as OM1-3 and OM3-7 are also affected. We also should check on the newly proposed OMC segment (OMC-10)

# Open Issues:

# Change Request Impact:

The change requires additions to the in-progress v2.5.1 LOI IG and v2.5.1 LRI IG being prepared for DSTU ballot in September 2014 and updates to errata documents for v2.5.1 ELR IG R2, , and v2.5.1 eDOS IG R2, as well as changes to the v2.8.2 base standard.

# Documentation Changes:

Chapter 2C:

#### REMOVE: 2.C.2.77 0125 - Value Type

Table Metadata

| Table | Steward | V3 Harmonization | V3 Equivalent | Where used | Status |
| --- | --- | --- | --- | --- | --- |
| 0125 | OO | TBD | TBD | OBX-2 | Active |

HL7 Table 0125 - Value Type

| Value | Description | Comment |
| --- | --- | --- |
| AD | Address | Retained for backward compatibility as of v2.6. |
| CNE | Coded with No Exceptions |  |
| CWE | Coded Entry |  |
| CF | Coded Element With Formatted Values | Withdrawn from this table only as of v2.7. |
| CK | Composite ID With Check Digit | Withdrawn as of v2.5. |
| CN | Composite ID And Name | Withdrawn as of v2.5. |
| CP | Composite Price | Withdrawn from this table only as of v2.7. |
| CX | Extended Composite ID With Check Digit |  |
| DR | Date/Time Range |  |
| DT | Date |  |
| DTM | Time Stamp (Date & Time) |  |
| ED | Encapsulated Data |  |
| FT | Formatted Text (Display) |  |
| ID | Coded Value for HL7 Defined Tables |  |
| IS | Coded Value for User-Defined Tables |  |
| MA | Multiplexed Array |  |
| MO | Money | Withdrawn from this table only as of v2.7. |
| NA | Numeric Array |  |
| NM | Numeric |  |
| PN | Person Name | Withdrawn as of v2.5. |
| RP | Reference Pointer |  |
| SN | Structured Numeric |  |
| ST | String Data. |  |
| TM | Time |  |
| TN | Telephone Number | Withdrawn as of v2.5. |
| TX | Text Data (Display) |  |
| XAD | Extended Address | Withdrawn from this table only as of v2.7. |
| XCN | Extended Composite Name And Number For Persons | Withdrawn from this table only as of v2.7. |
| XON | Extended Composite Name And Number For Organizations | Withdrawn from this table only as of v2.7. |
| XPN | Extended Person Name | Withdrawn from this table only as of v2.7. |
| XTN | Extended Telecommunications Number | Withdrawn from this table only as of v2.7. |

Leave unchanged, but included here for reference and to decide what to do about these annotations for use in OBX-2 from CR517:

CQ is invalid because units for OBX-5-observation value are always specified explicitly in an OBX segment with OBX-6 units.

SI is invalid because it only applies to HL7 message segments;

ID is also invalid because it requires a constant field definition.

#### 2.C.2.356 0440 - Data types

Table Metadata

| Table | Steward | V3 Harmonization | V3 Equivalent | Where used | Status |
| --- | --- | --- | --- | --- | --- |
| 0440 | InM | TBD | TBD | **RCD.2**, RDF-2 | Active |

HL7 Table 0440 - Data Types

| Data type | Data Type Name | Comment | LEN | Category |
| --- | --- | --- | --- | --- |
| AD | Address | Replaced by XAD as of v 2.3 | 415 | Demographics |
| AUI | Authorization information | Replaces the CM data type used in sections 6.5.6.14 IN1-14, as of v 2.5. | 239 |  |
| CCD | Charge code and date | Replaces the CM data type used in section 4.5.2.1 BLG-1, as of v 2.5. | 28 |  |
| CCP | Channel calibration parameters | Replaces the CM data type used in 7.14.1.5 OBX-5.3 where OBX-5Observation value (\*) is data type CD as of v 2.5. | 20 |  |
| CD | Channel definition | For waveform data only;. | 581 | Specialty/Chapter Specific: waveform |
| CE | Coded element | ***WITHDRAWN*** | 483 | Code Values |
| CF | Coded element with formatted values |  | 65536 | Code Values |
| CK | Composite ID with check digit | ***WITHDRAWN*** |  | Code Values |
| CM | Composite | ***WITHDRAWN*** Replaced by numerous new unambiguous data types in v 2.5 |  | Generic |
| CN | Composite ID number and name | ***WITHDRAWN***. Replaced by XCN as of v 2.3 |  | Code Values |
| CNE | Coded with no exceptions |  | 705 | Code Values |
| CNN | Composite ID number and name simplified | Restores the original data type CN as was initially implementable in the CM used in sections 4.5.3.32 and 7.4.1.32-(OBR-32), 4.5.3.33 and 7.4.1.33 - (OBR-33) 4.5.3.34 and 7.4.1.34 - (OBR-34) 4.5.3.35 and 7.4.1.35 - (OBR-35). Components 7 and 8, however, have been promoted to data type IS to be consistent with current practice without violating backward compatibility. | 406 |  |
| CP | Composite price | . | 543 | Price Data |
| CQ | Composite quantity with units | CQ cannot be legally expressed when embedded within another data type. Its use is constrained to a segment field. | 500 | Numerical |
| CSU | Channel sensitivity and units | Replaces the CM data type used in 7.14.1.5 OBX-5.3 where OBX-5Observation value (\*) is data type CD as of v 2.5. | 490 |  |
| CWE | Coded with exceptions |  | 705 | Code Values |
| CX | Extended composite ID with check digit |  | 1913 | Code Values |
| DDI | Daily deductible information | Replaces the CM data type used in section 6.5.7.30 IN2-30, as of v 2.5. | 25 |  |
| DIN | Date and institution name | Replaces the CM data type used in sections 15.4.6.12 STF-12 and 15.4.6.14 STF-13, as of v 2.5. | 510 |  |
| DLD | Discharge to location and date | Replaces the CM data type used in section 8.8.4.9 – OM2-9, as of v 2.5 | 47 |  |
| DLN | Driver's license number |  | 66 | Extended Queries |
| DLT | Delta |  | 45 |  |
| DR | Date/time range |  | 53 | Time Series |
| DT | Date |  | 8 | Date/Time |
| DTM | Date/time |  | 24 |  |
| DTN | Day type and number | Replaces the CM data type used in section 6.5.8.11 IN3-11, as of v 2.5. | 6 |  |
| ED | Encapsulated data | Supports ASCII MIME-encoding of binary data. | 65536 | Specialty/Chapter Specific |
| EI | Entity identifier |  | 427 | Identifier |
| EIP | Entity identifier pair | Replaces the CM data type used in sections 4.5.1.8 - ORC-8, 4.5.3.29 – OBR-29, 7.3.1.29 – OBR-29, as of v 2.5. | 855 |  |
| ELD | Error location and description | ***WITHDRAWN*** | 493 |  |
| ERL | Error location |  | 18 |  |
| FC | Financial class |  | 47 | Patient Administration /Financial Information |
| FN | Family name | Appears ONLY in the PPN, XCN, and XPN. | 194 | Demographics |
| FT | Formatted text |  | 65536 | Alphanumeric |
| GTS | General timing specification |  | 199 |  |
| HD | Hierarchic designator |  | 227 | Identifier |
| ICD | Insurance certification definition | Replaces the CM data type used in section 6.5.8.20 IN3-20, as of v 2.5. | 40 |  |
| ID | Coded values for HL7 tables |  | Variable | Identifier |
| IS | Coded value for user-defined tables |  | 20 | Identifier |
| JCC | Job code/class |  | 292 | Extended Queries |
| LA1 | Location with address variation 1 | Replaces the CM data type used in 4.14.1.8 RXO-8 and 4.14.4.8 RXE-8 as of v 2.5. Retained for backward compatibility only as of v 2.5 | 415 |  |
| LA2 | Location with address variation 2 | Replaces the CM data type used in 4.14.5.13 RXD-13, 4.14.6.11 RXG-11 and 4.14.7.11 RXA-11 as of v 2.5. Retained for backward compatibility only as of v 2.5, | 790 |  |
| MA | Multiplexed array | For waveform data only | 65536 | Specialty/Chapter Specific: waveform |
| MO | Money |  | 20 | Numerical |
| MOC | Money and charge code | Replaces the CM data type used in sections 4.5.3.23 OBR-23 and 7.4.1.23- OBR-23 as of v 2.5. | 504 |  |
| MOP | Money or percentage | Replaces the CM data type used in section 6.5.8.5 IN3-5, as of v 2.5. This data type is restricted to this field. | 23 |  |
| MSG | Message type | Replaces the CM data type used in 2.16.9.9 MSH-9 as of v 2.5. | 15 |  |
| NA | Numeric array | For waveform data only | 65536 | Specialty/Chapter Specific: waveform |
| NDL | Name with date and location | Replaces the CM data type used in sections 4.5.3.32 and 7.4.1.32-( OBR-32) , 4.5.3.33 and 7.4.1.33 - ( OBR-33) 4.5.3.34 and 7.4.1.34 - ( OBR-34) 4.5.3.35 and 7.4.1.35 - ( OBR-35) as of v 2.5. | 835 |  |
| NM | Numeric |  | 16 | Numerical |
| NR | Numeric range | Replaces the CM data type used in sections 8.8.4.6.1– OM2-6.1, 8.8.4.6.3– OM2-6.3and 8.8.4.6.4– OM2-6.4, as of v 2.5. | 33 |  |
| OCD | Occurrence code and date | Replaces the CM data type used in sections 6.5.10.10 UB1-16 and 6.5.11.7 UB2-7, as of v 2.5. | 714 |  |
| OSD | Order sequence definition | ***WITHDRAWN*** | 110 |  |
| OSP | Occurrence span code and date | Replaces the CM data type used in section 6.5.11.8 UB2-8, as of v 2.5. | 723 |  |
| PIP | Practitioner institutional privileges | Replaces the CM data type used in 15.4.5.7 PRA-7 as of v 2.5. | 1413 |  |
| PL | Person location |  | 1230 | Identifier |
| PLN | Practitioner license or other ID number | Replaces the CM data type used in 15.4.5.6 PRA-6, 11.6.3.7 PRD-7 and 11.6.4.7 CTD-7 as of v 2.5. | 101 |  |
| PN | Person name | ***WITHDRAWN*** |  | Demographics |
| PPN | Performing person time stamp | equivalent of an XCN joined with a TS | 2993 | Medical Records/Information Management |
| PRL | Parent result link | Replaces the CM data type used in sections 4.5.3.26 - OBR-26 and 7.4.1.26 - OBR-26 as of v 2.5. | 755 |  |
| PT | Processing type |  | 3 | Identifier |
| PTA | Policy type and amount | Replaces the CM data type used in section 6.5.7.29 IN2-29, as of v 2.5. | 56 |  |
| QIP | Query input parameter list |  | 212 | Extended Queries |
| QSC | Query selection criteria |  | 219 | Extended Queries |
| RCD | Row column definition |  | 19 | Extended Queries |
| RFR | Reference range | Replaces the CM data type used in sections 8.8.4.6 – OM2-6, 8.8.4.7 – OM2-7 and8.8.4.8 – OM2-8 as of v 2.5. | 352 |  |
| RI | Repeat interval |  | 206 | Time Series |
| RMC | Room coverage | Replaces the CM data type used in section 6.5.7.28 IN2-28, as of v 2.5. | 82 |  |
| RP | Reference pointer |  | 273 | Identifier |
| RPT | Repeat pattern |  | 984 |  |
| SAD | Street Address | Appears ONLY in the XAD data type. | 184 | Demographics |
| SCV | Scheduling class value pair | For scheduling data only. See Chapter 10 | 41 | Time Series |
| SI | Sequence ID |  | 4 | Numerical |
| SN | Structured numeric |  | 36 | Numerical |
| SNM | String of telephone number digits | Definition: a string whose characters are limited to "+" and the decimal digits 0 through 9. As a string, leading zeros are always considered significant. Maximum length: Not specified for the type. May be specified in the context of use. |  | Alphanumeric |
| SPD | Specialty description | Replaces the CM data type used in 15.4.5.5 PRA-5 as of v 2.5. | 112 |  |
| SPS | Specimen source | ***WITHDRAWN*** | 4436 |  |
| SRT | Sort order |  | 15 | Alphanumeric |
| ST | String data |  | 199 | Alphanumeric |
| TM | Time |  | 16 | Date/Time |
| TN | Telephone number | ***WITHDRAWN*** | 199 | Demographics |
| TQ | Timing/quantity | ***WITHDRAWN*** | 1209 | Time Series |
| TS | Time stamp | ***WITHDRAWN*** | 26 | Date/Time |
| TX | Text data |  | 65536 | Alphanumeric |
| UVC | UB value code and amount | Replaces the CM data type used in sections 6.5.10.10 UB1-10 and 6.5.11.6 UB2-6, as of v 2.5. | 41 |  |
| VH | Visiting hours |  | 41 | Extended Queries |
| VID | Version identifier |  | 973 | Identifier |
| VR | Value range | Replaces the CM data type used in 5.10.5.3.11 QRD-11 as of v 2.5. | 13 |  |
| WVI | Channel Identifier | Replaces the CM data type used in 7.14.1.3.1 OBX-5.1 where OBX-5 Observation value (\*) is data type CD as of v 2.5. | 22 |  |
| WVS | Waveform source | Replaces the CM data type used in 7.14.1.4 OBX-5.2 where OBX-5 Observation value (\*) is data type CD as of v 2.5. | 17 |  |
| XAD | Extended address | Replaces AD as of v 2.3 | 631 | Demographics |
| XCN | Extended composite ID number and name for persons | Replaces CN as of v 2.3 | 3002 | Code Values |
| XON | Extended composite name and ID number for organizations |  | 567 | Demographics |
| XPN | Extended person name | Replaces PN as of v 2.3. | 1103 | Demographics |
| XTN | Extended telecommunications number | Replaces TN as of v 2.3 | 850 | Demographics |

Chapter 7:

7.4.1 OBX ‑ Observation/Result Segment

…

HL7 Attribute Table – OBX – Observation/Result

| SEQ | LEN | C.LEN | DT | OPT | RP/# | TBL# | ITEM# | ELEMENT NAME |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 1..4 |  | SI | O |  |  | 00569 | Set ID – OBX |
| 2 | 2..3 |  | ID | C |  | [0440](C:\\Users\\buitha00\\AppData\\Roaming\\Microsoft\\Word\\V27_CH02C_CodeTables.doc" \l "HL70125) | 00570 | Value Type |
| 3 |  |  | CWE | R |  | 9999 | 00571 | Observation Identifier |
| 4 |  | 20= | ST | C |  |  | 00572 | Observation Sub-ID |
| 5 |  |  | varies | C | Y |  | 00573 | Observation Value |
| 6 |  |  | CWE | O |  | 9999 | 00574 | Units |
| 7 |  | 60= | ST | O |  |  | 00575 | References Range |
| 8 |  |  | CWE | O | Y | 0078 | 00576 | Interpretation Codes |
| 9 |  | 5# | NM | O |  |  | 00577 | Probability |
| 10 | 1..2 |  | ID | O | Y | [0080](C:\\Users\\buitha00\\AppData\\Roaming\\Microsoft\\Word\\V27_CH02C_CodeTables.doc" \l "HL70080) | 00578 | Nature of Abnormal Test |
| 11 | 1..1 |  | ID | R |  | [0085](C:\\Users\\buitha00\\AppData\\Roaming\\Microsoft\\Word\\V27_CH02C_CodeTables.doc" \l "HL70085) | 00579 | Observation Result Status |
| 12 |  |  | DTM | O |  |  | 00580 | Effective Date of Reference Range |
| 13 |  | 20= | ST | O |  |  | 00581 | User Defined Access Checks |
| 14 |  |  | DTM | O |  |  | 00582 | Date/Time of the Observation |
| 15 |  |  | CWE | B |  | 9999 | 00583 | Producer's ID |
| 16 |  |  | XCN | B | Y |  | 00584 | Responsible Observer |
| 17 |  |  | CWE | O | Y | 9999 | 00936 | Observation Method |
| 18 |  |  | EI | B | Y |  | 01479 | Equipment Instance Identifier |
| 19 |  |  | DTM | O |  |  | 01480 | Date/Time of the Analysis |
| 20 |  |  | CWE | O | Y | [0163](C:\\Users\\buitha00\\AppData\\Roaming\\Microsoft\\Word\\V27_CH02C_CodeTables.doc" \l "HL70163) | 02179 | Observation Site |
| 21 |  |  | EI | O |  |  | 02180 | Observation Instance Identifier |
| 22 |  |  | CNE | C |  | [0725](C:\\Users\\buitha00\\AppData\\Roaming\\Microsoft\\Word\\V27_CH02C_CodeTables.doc" \l "HL70725) | 02182 | Mood Code |
| 23 |  |  | XON | B | N |  | 02283 | Performing Organization Name |
| 24 |  |  | XAD | B | N |  | 02284 | Performing Organization Address |
| 25 |  |  | XCN | B | N |  | 02285 | Performing Organization Medical Director |
| 26 | 1..10 |  | ID | O | N | [0909](C:\\Users\\buitha00\\AppData\\Roaming\\Microsoft\\Word\\V27_CH02C_CodeTables.doc" \l "HL70909) | 02313 | Patient Results Release Category |
| 27 |  |  | CWE | O |  | 0914 | 03308 | Root Cause |
| 28 |  |  | CWE | O | Y | 0915 | 03309 | Local Process Control |
| 29 |  |  | ID | O | N | 0936 | 03432 | Observation Type |

…

#### 7.4.2.1 OBX-2 Value Type (ID) 00570

Definition: This field defines the data type of OBX-5, Observation Value. This field is required if OBX-11-Observ result status is not valued with an "X". See [HL7 Table 0440 – Data Types](C:\\Users\\buitha00\\AppData\\Roaming\\Microsoft\\Word\\V27_CH02C_CodeTables.doc" \l "HL70125) for valid values.

For example, if the value is ‘CWE’ then the result in OBX-5 must be a coded entry or text or both. As of v2.7, the ST data type may not be used to transmit data that can be more precisely transmitted using other data types, e.g. SN when comparative symbols are needed.

CQ is invalid because units for OBX-5-observation value are always specified explicitly in an OBX segment with OBX-6 units. SI is invalid because it only applies to HL7 message segments; ID is also invalid because it requires a constant field definition.

The RP value (reference pointer) must be used if the OBX-5 contains a pointer to the data e.g., a URL of an image. The receiving system can use this reference pointer whenever it needs access to the actual data through other interface standards, e.g., DICOM, or through appropriate data base servers.

The structured numeric (SN) data type provides for reporting ranges (e.g., 3-5 or 10-20), titres (e.g., 1:10), and out-of-range indicators (e.g., >50) in a structured and computer-interpretable way.

We allow the FT data type in the OBX segment, but its use is discouraged. Formatted text usually implies a meaningful structure, e.g., a list of three independent diagnoses reported on different lines. But ideally, the structure in three independent diagnostic statements would be reported as three separate OBX segments.

TX should **not** be used except to send large amounts of text. In the TX data type, the repeat delimiter can only be used to identify paragraph breaks. Use ST to send short, and possibly encodable, text strings.

CDA documents are to be exchanged in the OBX segment in any message that can exchange documents (such as MDM or ORU). Within the OBX segment, the MIME package is encoded as an encapsulated (ED) data type.

Chapter 8:

### 8.8.8 OM1 - General Segment (Fields That Apply to Most Observations)

### …

HL7 Attribute Table - OM1 - General Segment

| SEQ | LEN | C.LEN | DT | OPT | RP/# | TBL# | ITEM# | ELEMENT NAME |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 |  | 4= | NM | R |  |  | 00586 | Sequence Number - Test/Observation Master File |
| 2 |  |  | CWE | D |  | 9999 | 00587 | Producer's Service/Test/Observation ID |
| 3 | 2..3 |  | ID | O | Y | [0440](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70125) | 00588 | Permitted Data Types |
| 4 | 1..1 |  | ID | R |  | [0136](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70136) | 00589 | Specimen Required |
| 5 |  |  | CWE | R |  | 9999 | 00590 | Producer ID |
| 6 |  | 200# | TX | O |  |  | 00591 | Observation Description |
| 7 |  |  | CWE | O |  | 9999 | 00592 | Other Service/Test/Observation IDs for the Observation |
| 8 |  | 200# | ST | B | Y |  | 00593 | Other Names |
| 9 |  | 30# | ST | O |  |  | 00594 | Preferred Report Name for the Observation |
| 10 | 1..8 |  | ST | O |  |  | 00595 | Preferred Short Name or Mnemonic for the Observation |
| 11 |  | 200= | ST | O |  |  | 00596 | Preferred Long Name for the Observation |
| 12 | 1..1 |  | ID | O |  | [0136](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70136) | 00597 | Orderability |
| 13 |  |  | CWE | O | Y | 9999 | 00598 | Identity of Instrument Used to Perform this Study |
| 14 |  |  | CWE | O | Y | 9999 | 00599 | Coded Representation of Method |
| 15 | 1..1 |  | ID | O |  | [0136](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70136) | 00600 | Portable Device Indicator |
| 16 |  |  | CWE | B | Y | 9999 | 00601 | Observation Producing Department/Section |
| 17 |  |  | XTN | B |  |  | 00602 | Telephone Number of Section |
| 18 | 1..1 |  | CWE | R |  | [0174](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70174) | 00603 | Nature of Service/Test/Observation |
| 19 |  |  | CWE | O |  | 9999 | 00604 | Report Subheader |
| 20 |  | 20= | ST | O |  |  | 00605 | Report Display Order |
| 21 |  |  | DTM | O |  |  | 00606 | Date/Time Stamp for Any Change in Definition for the Observation |
| 22 |  |  | DTM | O |  |  | 00607 | Effective Date/Time of Change |
| 23 |  |  | NM | O |  |  | 00608 | Typical Turn-Around Time |
| 24 |  |  | NM | O |  |  | 00609 | Processing Time |
| 25 | 1..1 |  | ID | O | Y | [0168](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70168) | 00610 | Processing Priority |
| 26 | 1..1 |  | ID | O |  | [0169](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70169) | 00611 | Reporting Priority |
| 27 |  |  | CWE | B | Y | 9999 | 00612 | Outside Site(s) Where Observation May Be Performed |
| 28 |  |  | XAD | B | Y |  | 00613 | Address of Outside Site(s) |
| 29 |  |  | XTN | B |  |  | 00614 | Phone Number of Outside Site |
| 30 |  |  | CWE | O |  | [0177](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70177) | 00615 | Confidentiality Code |
| 31 |  |  | CWE | O | Y | 9999 | 00616 | Observations Required to Interpret this Observation |
| 32 |  |  | TX | O |  |  | 00617 | Interpretation of Observations |
| 33 |  |  | CWE | O |  | 9999 | 00618 | Contraindications to Observations |
| 34 |  |  | CWE | O | Y | 9999 | 00619 | Reflex Tests/Observations |
| 35 |  |  | TX | O |  |  | 00620 | Rules that Trigger Reflex Testing |
| 36 |  |  | CWE | O |  | 9999 | 00621 | Fixed Canned Message |
| 37 |  | 200= | TX | O |  |  | 00622 | Patient Preparation |
| 38 |  |  | CWE | O |  | 9999 | 00623 | Procedure Medication |
| 39 |  | 200= | TX | O |  |  | 00624 | Factors that may Affect the Observation |
| 40 |  | 60= | ST | O | Y |  | 00625 | Service/Test/Observation Performance Schedule |
| 41 |  |  | TX | O |  |  | 00626 | Description of Test Methods |
| 42 |  |  | CWE | O |  | [0254](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70254) | 00937 | Kind of Quantity Observed |
| 43 |  |  | CWE | O |  | [0255](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70255) | 00938 | Point Versus Interval |
| 44 |  | 200= | TX | O |  | [0256](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70256)/ [0257](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70257) | 00939 | Challenge Information |
| 45 |  |  | CWE | O |  | [0258](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70258) | 00940 | Relationship Modifier |
| 46 |  |  | CWE | O |  | 9999 | 00941 | Target Anatomic Site Of Test |
| 47 |  |  | CWE | O |  | [0910](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70910) | 00942 | Modality of Imaging Measurement |
| 48 | 1..1 |  | ID | O |  | 0919 | 03310 | Exclusive Test |
| 49 | 2..3 |  | ID | O |  | [0074](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70074) | 00257 | Diagnostic Service Sector ID |
| 50 |  |  | CWE | O |  | [0446](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70446) | 01539 | Taxonomic Classification Code |
| 51 | 200 |  | ST | O | Y |  | 03399 | Other Names |
| 52 |  |  | CWE | O |  | 9999 | ????? | Replacement Producer's Service/Test/Observation ID |
| 53 |  |  | ST | O |  |  | ????? | Prior Resuts Instructions |
| 54 |  |  | ST | O |  |  | ????? | Special Instructions |

### …

#### 8.8.8.3 OM1-3 Permitted Data Types (ID) 00588

Definition: This field contains the allowed data type(s) for this observation. The codes are the same as those listed for OBX (a given observation may, under different circumstances, take on different data types). Indeed, under limited circumstances, an observation can consist of one or more fragments of different data types. When an observation may have more than one data type, e.g., coded (CWE) and numeric (NM) the allowable data types should be separated by repeat delimiters. Refer to HL7 Table 0440 – Data Types for valid values.

### …

### 8.8.10 OM3 - Categorical Service/Test/Observation Segment

### …

HL7 Attribute Table - OM3 - Categorical Service/Test/Observation

| SEQ | LEN | C.LEN | DT | OPT | RP/# | TBL# | ITEM# | ELEMENT NAME |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 |  | 4= | NM | O |  |  | 00586 | Sequence Number - Test/Observation Master File |
| 2 |  |  | CWE | O |  | 9999 | 00636 | Preferred Coding System |
| 3 |  |  | CWE | O | Y | 9999 | 00637 | Valid Coded "Answers" |
| 4 |  |  | CWE | O | Y | 9999 | 00638 | Normal Text/Codes for Categorical Observations |
| 5 |  |  | CWE | O | Y | 9999 | 00639 | Abnormal Text/Codes for Categorical Observations |
| 6 |  |  | CWE | O | Y | 9999 | 00640 | Critical Text/Codes for Categorical Observations |
| 7 | 2..3 |  | ID | O |  | [0440](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70125) | 00570 | Value Type |

### …

#### 8.8.10.7 OM3-7 Value Type (ID) 00570

Definition: This field contains the allowed data type for a single categorical observation (code A or C in OM1-18 - Nature of Observation). Refer to [HL7 Table 0440 –Data Type](../../Documents and Settings/K132462/Desktop/V27_CH02C_CodeTables.doc" \l "HL70125)s for valid values.

### …

New section for OMC segment:

HL7 Attribute Table - OMC – Supporting Clinical Information

| SEQ | LEN | C.LEN | DT | OPT | RP/# | TBL# | ITEM# | ELEMENT NAME |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 |  | 4= | NM | O |  |  | 00586 | Sequence Number – Test/Observation Master File |
| 2 |  |  | ID | C |  | 0206 | 00763 | Segment Action Code |
| 3 |  |  | EI | C |  |  | nnnnn | Segment Unique Key |
| 4 |  |  | CWE | R |  | 9999 | nnnnn | Clinical Information Request |
| 5 |  |  | CWE | R | Y | nnnn | nnnnn | Collection Event/Process Step |
| 6 |  |  | CWE | R |  | nnnn | nnnnn | Communication Location |
| 7 |  |  | ID | O |  | 0136 | nnnnn | Answer Required |
| 8 |  |  |  | O | Y |  | nnnnn | Type of Test |
| 9 |  |  | ST | O |  |  | nnnnn | Hint/Help Text |
| 10 |  |  | Varies | O |  | 0440 | nnnnn | Type of Answer |
| 11 |  |  | ID | O |  | 0136 | nnnnn | Multiple Answers Allowed |
| 12 |  |  | CWE | O | Y | 9999 | nnnnn | Answers Choices |
| 13 |  |  |  | O |  |  | nnnnn | Character Limit |
| 14 |  |  |  | O |  |  | nnnnn | Number of Decimals |
| 15 |  |  | HD | O | Y |  | nnnnn | Client Identifier |

…

#### OMC-10 Type of answers – Data Types (ID) nnnnn

Definition: This field contains the allowed data type for answers, and is drawn from HL7 Table 0440 – Data Types. Type of answers are of the respective data type for numeric, date, coded, text, etc.