20171010\_LabUSRealm\_Notes

Attendees: Freida, Dan, Kathy, Riki, David, Ron, Andrea

LRI#156:

LabCorp had examples for a single order code that can result in 1 of 3 different LOINCs, but each one has only 1 datatype – how to notify the consumer that only 1 of the three LOINCs that are described under the order code

Send this out to OO list to solicit feedback how to deal with the nullflavors / test not performed issues

OM1-3 – is optional in eDOS – is repeating, so the lab could notify the consumer that this would be happening

LRI#237: Question is for micro only – need to do more research on the definitions

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| MIR | Micro Isolate Related | Sub-type of RSLT (Result) – qualifies the result as an isolate. (e.g. name of the organism (at genus or species level), specific characteristics like gram-positive cocci in clusters) |
| MNIR | Micro Non-Isolate Related | Sub-type of RSLT (Result) – qualifies result as microbiology not related to any isolate (e.g., gram stain observations) |
| MIRM | Micro Isolate Related Modifier | Sub-type of RSLT (Result) – result is a modifier of the isolate This is always a quantification, expressed in words (e.g., Few, Some,+/++++ etc.) or numbers (e.g. 1+, 2+ or 10 – 100, >1000) |
| SUR | Susceptibility Related | Sub-type of RSLT (Result) – result value is for micro susceptibility/sensitivity |
| SUP | Supplemental Result | Sub-type of RSLT (Result) - result coming over is additional material, for example points on a graph, an image, raw instrument data, links to related observations, etc. |
| UNSP | Unspecified | Sub-type of RSLT (Result) – result falls outside of the other sub-types. |
| AOE | Ask at Order Entry | Sub-type of QST (Question) – OBX-5 value is answer to an Ask at Order Entry question |
| ASC | Ask at Specimen Collection | Sub-type of QST (Question) – OBX-5 value is answer to an Ask at Specimen Collection question |

Resulting of culture with all the sub-steps separately:

Resulting a culture – moderate growth, normal flora =

Colony count = use MIRM

Identification – name of organism = use MIR

Then you may order a gram stain off the isolate – would that better be handled as reflex test?

From Jan2017 ballot LRI#392 from John Roberts and Walter – critical to distinguish the type of results – how to handle OBX-29 and OBX-30 related to section 8.11.02; In the reconciliation(final) version – this is in Notes (last column AR):  Status of text? - Hans will review and possibly create revisions

Change Applied (column AI) is empty

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| **392** | 8 | 08.11.02 | NEG | 1 |  |  | Is critical to distinguish OBXes containing microbiology ID from OBXes that are supplementary or qualifiers/modifiers.   1. In the narrative emphasize the importance of using OBX-30 (Observation Sub-Type) to distinquish an organism or finding  from terms that are supplementary  or qualifiers/modifiers. 2. Show OBX-29 (Observation type) and OBX-30 (Observation Sub-Type) values in the examples. 3. More explanation is needed of the meanings of the values in valueset HL70937\_USL and the context of when to use them.  The possibly outdated version of that valueset that I have shows the "Micro" values usage as P (Permitted), but for microbiology those should instead be required. 4. How would a gram stain ID result (e.g. "Gram Positive Rods") be distinguished from a gram stain modifier (e.g. "Many")? 4. Add example showing how to portray a result like "Negative for Campylobacteria" in a way that the receiving system would not apply business rules for Campylobacteria having been identified. | General |  | BlockVote 2 (NEG) |  |  | Persuasive with mod | PROPOSED MOTION: Find persuasie with mod -**ask submitter to provide text** | 3/21/2017 | Kathy Walsh, Andrea Pitkus | 6 | 0 | 2 |

Discussion about what the use case is for use of OBX-30? These are not reliably defined right now, so not useful for automatic classification of inbound messages

For culture result (not anything modifying) can have:

Nothing found

Normal flora found

Contaminating organism

Organism x found

Should all these be the same OBX-30 value or not? – If we are trying to just categorize the type of result rather than add an additional coded interpretation of what the actual result is

Depends on the use case of what we originally made these subcategories for

282 from Hans to add OBX-30 and move codes from OBX-29 value set into OBX-30 and also added the OG subgrouper datatype – maybe he remembers

LRI#238: is for micro related use of OBX-4 using the grouper term – David B will collect all examples from the guide and provide a strawman

LRI#239: Example provided by EPIC:

If MNIR can contain a non-growth value, it would be more difficult to identify the growth. It may be useful to be able to write rules based on whether an organism had Heavy Growth or Moderate Growth.  Instead, things like “no growth” or “identification to follow” or “communicated to physician” should be in an NTE.

Need to include an example of how organism comments should be included.  At the very least we need more OBX-30 values (which are really taking the place of more discrete OBX-3 values, but yet matching the same OBX-3s is necessary to group all the different ~3 OBXs for the same observation together since OBX-4 is ONLY a function of OBX-3, unfortunately).

Good:

OBX|13|SN|624-7^Bacteria Spt Resp Cul^LN^...|^7^1^1|^60,000^-^100,000|CFU/mL...|RSLT|MIRM|

OBX|14|CWE|624-7^Bacteria Spt Resp Cul^LN^...|^7^2^1|56415008^Klebsiella pneumonia^SCT^...|RSLT|MIR|

NTE|||Susceptibility testing to follow|

Bad:

OBX|13|ST|624-7^Bacteria Spt Resp Cul^LN^...|^7^1^1|60,000-100,000|CFU/mL...|RSLT|MIRM|

OBX|14|CWE|624-7^Bacteria Spt Resp Cul^LN^...|^7^2^1|56415008^Klebsiella pneumonia^SCT^...|RSLT|MIR|

OBX|14|ST|624-7^Bacteria Spt Resp Cul^LN^...|^7^3^1| Susceptibility testing to follow...|RSLT|MIRM|

We should make sure all examples have proper NTE use, e.g. no comments / non-clinical content in OBX-5 –Motion to add text explaining that fact at editors discretion and example to NTE section and make a reference under OBX Usage Notes to that section – Freida, Dan, no further discussion, against: 0, abstain: 0, in favor: 6

We were using this document for background: 