

## Attachment 9: Laboratory Data

| Data Element Name                              | Data Element Description   | Value Set Code                      |
|--|--|-------------------------------------|
| Test Performed Name                            | Name of test or analyte performed. The lab test that was run on the specimen. This is also referred as "Resulted Test Name"  | PHVS_LabTestName_CDC                |
| Test Result - Coded Qualitative (non-organism) | Coded Qualitative Test Result Value  | PHVS_LabTestResultQualitative_CDC   |
| Test Result - Coded Organism                   | Coded result - Organism (SNOMED) Result Value, used where OBX-2 is CE or CWE value type  | PHVS_Microorganism_CDC              |
| Test Result - Numeric                          | Numeric Result Value, used where OBX-2 is SN or NM value type  | N/A                                 |
| Units of Measure                               | Numeric Result Value, used where OBX-2 is SN or NM value type  | PHVS_UnitsOfMeasure_CDC             |
| Test Result - Text                             | Lab Result Text Value used where OBX-2 is TX. Textual result value, used if result is neither numeric nor coded.   | N/A                                 |
| Test Result - Interpretation Flag              | Abnormal Flags used for laboratory result interpretation (OBX-8) by Lab (not Epidemiologist's Interpretation). The interpretation flag identifies a result that is not typical as well as how its not typical. Examples: Susceptible, Resistant, Normal, Above upper panic limits, below absolute low. | PHVS_AbnormalFlag_HL7_27            |
| Test Result - Reference Range                  | Reference Range  | N/A                                 |
| Observation Result Status                      | Result Status (OBX-11). The Result Status is the degree of completion of the lab test.   | PHVS_ObservationResultStatus_HL7_2x |
| Specimen collection date                       | Date/Time of Observation in OBX segment for ELR infers to the specimen collection date   | N/A                                 |
| Test Method                                    | The technique or method used to perform the test and obtain the test results. Observation Method. Examples: Serum Neutralization, Titration, dipstick, test strip, anaerobic culture.  | PHVS_LabTestMethods_CDC             |
| Specimen Analyzed Date                         | Lab Report Date - Date/Time of the Analysis.   | N/A                                 |
| Performing Laboratory Name                     | Name of Laboratory that performed the lab test. Performing Organization Name   | N/A                                 |
| Performing Person Name                         | Performing Organization Medical Director / Performing Person Name.   | N/A                                 |

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| Test Result Comments                   | Comments having to do specifically with the lab result test. These are the comments from the NTE segment if the result was originally an Electronic Laboratory Report. | N/A                          |
| Specimen ID                            | A laboratory generated number that identifies the specimen related to this test.   | N/A                          |
| Specimen Type                          | The type of specimen used in testing the Resulted Lab Test.  | PHVS_Specimen_CDC            |
| Specimen Source Site                   | This indicates the physical location of the subject where the specimen originated. Examples include: Right Internal Jugular, Left Arm, Buttock, Right Eye, etc.        | PHVS_BodySite_CDC            |
| Specimen Description                   | Text description of the specimen   | N/A                          |
| Specimen Collection Date/Time          | The date the specimen was collected.   | N/A                          |
| Filler Order #                         | A laboratory generated number that identifies the test/order instance.   | N/A                          |
| Test Ordered Name                      | Test that was ordered by the physician / provider. This could be a lab test panel which would lead to several lab tests.   | PHVS_LabTestOrderables_CDC   |
| Observation Date/Time                  | Observation Date/Time (OBR-7)  | N/A                          |
| Results Rpt/Status Chng - Date/Time    | Results Rpt/Status Chng - Date/Time  | N/A                          |
| Result Status                          | Result Status  | PHVS_ResultStatus_HL7_2x     |
| Reason for Study                       | Reason for Study   | N/A                          |
| Placer Order Number                    | Placer Order Number  | N/A                          |
| Ordering Provider                      | Ordering Provider  | N/A                          |
| Specimen ID Placer Assigned Identifier | Specimen ID Placer Assigned Identifier   | N/A                          |
| Specimen ID Filler Assigned Identifier | Specimen ID Filler Assigned Identifier   | N/A                          |
| Specimen Role                          | Specimen Role  | PHVS_SpecimenRole_CDC        |
| Specimen Collection Amount             | Specimen Collection Amount   | N/A                          |
| Specimen Received Date/Time            | Specimen Received Date/Time  | N/A                          |
| Specimen Action Code                   | HL7 version 2.x Specimen action code used in chapter(s) 4; HL7 table 065   | PH_SpecimenActionCode_HL7_2x |
| Parent Universal Service Identifier    | Parent universal service identifier is optionally allowed for labs that do not support unique placer or filler order numbers   | N/A                          |
| Unique Identifier for Current Sample   | Isolate identifier unique for each isolate within laboratory   | N/A                          |
| Genotype Sequence                      | Identifies the genotype sequence of an organism  | TBD                          |

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| Serotype   | Identifies the serotype of an organism.   | TBD                   |
| Serogroup  | Identifies the serogroup of an organism.  | TBD                   |
| Species  | identifies the group of organisms or animals.   | TBD                   |
| Performing Laboratory Type                                     | Performing laboratory type  | TBD                   |
| Date/Time of Lab Result  | Date result sent from reporting laboratory  | N/A                   |
| Specimen Type sent to CDC                                      | Specimen(s) sent to CDC   | PHVS_YesNoUnknown_CDC |
| Date Specimen Sent to CDC                                      | Date specimen sent to CDC   | N/A                   |
| Microorganism Identified in Isolate                            | Pathogen /Organism Identified in Isolate.   | TBD                   |
| Isolate Identifier   | Isolate identifier unique for each isolate within laboratory.   | N/A                   |
| Antimicrobial Susceptibility Specimen Type                     | Antimicrobial Susceptibility Specimen Type (e.g. Exudate, Blood, Serum, Urine)  | TBD                   |
| Antimicrobial Specimen Collection Site                         | Anatomic site where the specimen was collected (e.g. Urethra, Throat, Nasopharynx)  | TBD                   |
| Antimicrobial Susceptibility Specimen Collection Date          | Antimicrobial Susceptibility Specimen Collection Date   | N/A                   |
| Antimicrobial Susceptibility Test Type                         | Antimicrobial Susceptibility Test Type would includes drugs, enzymes, PCR and other genetic tests to detect the resistance against specific drugs.                    | TBD                   |
| Antimicrobial Susceptibility Test Method                       | Antimicrobial Susceptibility Test Method (e.g. E-Test, MIC, Disk Diffusion)   | TBD                   |
| Antimicrobial Susceptibility Test Interpretation               | Antimicrobial Susceptibility Test Interpretation (e.g. Susceptible, Resistant, Intermediate, Not tested)  | TBD                   |
| Antimicrobial Susceptibility Test Result Quantitative Value    | Antimicrobial Susceptibility Test Result Numerical Value (e.g. Quantitative MIC values, Disk Diffusion size in mm)  | N/A                   |
| Antimicrobial Susceptibility Test Result Numerical Value Units | Antimicrobial Susceptibility Test Result Numerical Value Units (e.g. microgram/ml, mm)  | TBD                   |
| Antimicrobial Susceptibility Test Result Coded Quantitative    | Antimicrobial Susceptibility Test Result - Coded Quantitative. List of coded values (i.e. valid dilutions) to represent the antimicrobial susceptibility test result. | TBD                   |