

LOINC

Laboratory Observation Identifiers Names and Codes (LOINC)

HITSP / CHI recommended standard for Lab test names

LOINC generally used for Observation Identifiers or Question identifier

HL7 2x / CDA usage: Most often used in OBX-3 Observation Identifier for 2.x messaging or Observation.Code in CDA.

LOINC Support / Tutorials are available from the LOINC website –

<http://www.loinc.org>

Standard Development Organization:

Main Website: <http://www.regenstrief.org/>

E-mail / Support: <http://www.regenstrief.org/contact>

Regenstrief Institute, Inc., an internationally recognized informatics and healthcare research organization, is dedicated to the improvement of health through research that enhances the quality and cost-effectiveness of healthcare. Established in 1969 by philanthropist Sam Regenstrief on the campus of the Indiana University School of Medicine in Indianapolis, the Institute is supported by the Regenstrief Foundation and closely affiliated with the IU School of Medicine and the Health and Hospital Corporation of Marion County, Indiana.

LOINC Training

Regenstrief Institute: <http://loinc.org/slideshows>

LOINC Downloads: <http://loinc.org/downloads>

LOINC Documentation (FAQ, Manual): <http://loinc.org/documentation>

LOINC Value Sets

[PHIN VADS LOINC Code System Metadata](#)

| ValueSetCode | ValueSetName | DefinitionText | ValueSetOld |
|--|------------------------------------|--|-----------------------------|
| PHVS_BioSenseRTObservations_CD_C | BioSense Observations | Value set for observations used for BioSense RT | 2.16.840.1.114222.4.11.954 |
| PHVS_BloodOrBodyFluidExposureEvent_CDC | Blood or body fluid exposure event | Blood or Body Fluid Exposure Event value set has data elements or questions that captures the risk for transmission of disease based on Blood or Body Fluid exposure. This value set is based upon Clinical LOINC. Most of these data elements are | 2.16.840.1.114222.4.11.3224 |

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| | | occupational risk factors. | |
| PHVS_DrugSusceptibilityTestResultName_CDC | Drug Susceptibility Test Result Name | Drug / Antimicrobial Test Result Name | 2.16.840.1.114222.4.11.1071 |
| PHVS_LabTestName_CDC | Lab Test Result Name | Laboratory Resulted Test identifiers and names - LOINC is the starter set | 2.16.840.1.114222.4.11.1002 |
| PHVS_LabTestOrder_PHLIP_Flu | Lab Test Order (PHLIP Flu) | Lab Test orderables that could be used in OBRsegment (PHLIP Flu) | 2.16.840.1.114222.4.11.3016 |
| PHVS_LabTestOrderables_CDC | Ordered Test | Lab test orderables that could be used in OBR segment. This value set also includes panels from LOINC. | 2.16.840.1.114222.4.11.1004 |
| PHVS_LabTestResultName_AcuteHepatitisB | Lab Test Result Name (Acute Hepatitis B) | Acute Hepatitis B lab test result name value set is based upon the Lab LOINC concepts that are defined in the CSTE standardized reporting definition for Acute Hepatitis B. | 2.16.840.1.114222.4.11.3206 |
| PHVS_LabTestResultName_Anthrax | Lab Test Result Name (Anthrax) | Anthrax lab test result name value set is based upon the Lab LOINC concepts that are defined in the CSTE standardized reporting definition for Anthrax. | 2.16.840.1.114222.4.11.3207 |
| PHVS_LabTestResultName_Hepatitis | Lab Test Result Name (Hepatitis) | Name of Hepatitis test result. | 2.16.840.1.114222.4.11.3043 |
| PHVS_LabTestResultName_TB | Lab Test Result Name (TB) | Tuberculosis lab test result name value set is based upon the Lab LOINC concepts that are defined in the CSTE standardized reporting definition for Tuberculosis. | 2.16.840.1.114222.4.11.3205 |
| PHVS_LabTestResultName_Tularemia | Lab Test Result Name (Tularemia) | Tularemia lab test result name value set is based upon the Lab LOINC concepts that are defined in the CSTE standardized reporting definition for Tularemia. | 2.16.840.1.114222.4.11.3208 |
| PHVS_MicrobiologyLabTestResultName_CDC | Microbiology Test Result Name | List of Microbiology test result names | 2.16.840.1.114222.4.11.1073 |
| PHVS_PHINQuestions_Hepatitis | PHIN Questions (Hepatitis) | List of questions used by hepatitis program in the message mapping guide | 2.16.840.1.114222.4.11.3022 |

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| PHVS_PHLIP_QUESTIONS_Flu | PHLIP Questions (Flu) | List of questions used in the PHLIP Flu Message Specification Guide | 2.16.840.1.114222.4.11.3000 |
| PHVS_RadiologyLabTest_Flu | Radiology Lab Test (Flu) | List of radiology lab tests related to Flu | 2.16.840.1.114222.4.11.3245 |
| PHVS_ResultedLabTestName_PHLIP_Flu | Resulted Lab Test Name (PHLIP Flu) | Resulted lab test name that could be used in OBX-3 (PHLIP Flu) | 2.16.840.1.114222.4.11.3019 |
| PHVS_SocioBehavioralRiskFactor_CD | Sociobehavioral risk factor | Socio-behavioral risk factor related to infectious disease. | 2.16.840.1.114222.4.11.3228 |
| Will be available Early August 2009 in VADS | | | |
| PHVS_VitalSignResult_HITSP | Vital Sign Result Value Set | This identifies the vital sign result type | 2.16.840.1.113883.3.88.12.80.62 |
| PHVS_DocumentClass_HITSP | Document Class Value Set | This is the code specifying the particular kind of document (e.g., Prescription, Discharge Summary, Report, etc.). It is suggested that the XDS Affinity Domain draws these values from a coding scheme providing a coarse level of granularity (about 10 to 100 entries) | 2.16.840.1.113883.3.88.12.80.46 |
| PHVS_DocumentType_HITSP | Document Type Value Set | This is the code specifying the precise type of document (e.g., Pulmonary History and Physical, Discharge Summary, Ultrasound Report, etc.). It is suggested that the XDS Affinity Domain draw these values from a coding scheme providing a fine level of granularity | 2.16.840.1.113883.3.88.12.80.47 |

SNOMED – CT

Systematized Nomenclature of Medicine--Clinical Terms

* HITSP/ CHI recommended standard for Lab Test Results (Organism), Clinical Finding (Disease, Signs, Symptoms), Clinical Procedure (Surgical Operations), Context and/or Modifiers (History, Family History, Rule out)

* SNOMED generally used for answers or observation results

* HL7 / CDA usage: Most often used in OBX-5 or Observation.Value

* SNOMED support can be obtained from IHTSDO / National Library of Medicine (UMLS)

Standard Development Organization:

(1) National Library of Medicine (NLM)

Home page - <http://www.nlm.nih.gov/>

Contact / Support - <http://apps.nlm.nih.gov/mainweb/siebel/nlm/index.cfm>

The National Library of Medicine (NLM), on the campus of the National Institutes of Health in Bethesda, Maryland, is the world's largest medical library. The Library collects materials and provides information and research services in all areas of biomedicine and health care.

(2) IHTSDO

Home Page - <http://www.ihtsdo.org/>

Contact / Support - <http://www.ihtsdo.org/contact-us/>

The International Health Terminology Standards Development Organisation is an international not-for-profit organization based in Denmark. IHTSDO acquires, owns and administers the rights to SNOMED CT and other health terminologies and related standards.

SNOMED CT Training

[SNOMED CT Publications](#)

(1) Tutorials

[SNOMED CT Overview](#)

[SNOMED CT Basics](#)

[SNOMED CT Fundamentals](#)

(2) Implementation Guides

[SNOMED CT Users Guide](#)

[SNOMED CT Technical Reference Guide](#)

[SNOMED CT Technical Implementation Guide](#)

SNOMED CT in PHIN VADS

[SNOMED CT Code System Metadata in PHIN VADS](#)

SNOMED CT Value Sets in PHIN VADS

| ValueSetCode | ValueSetName | DefinitionText | ValueSetOld |
|---|--|---|-------------------------------------|
| PHVS_AcuteConvalescentIgGDifference_VPD | Acute Convalescent IgG Difference (VPD) | Answer list of interpretative results of the difference between the values for the acute and convalescent IgG tests | 2.16.840.1.11 4222.4.11.31 19 |
| PHVS_AdditionalDiseaseSite_TB | Additional Site of Disease (TB) | Other body sites where Tuberculosis found | 2.16.840.1.11 4222.4.11.95 9 |
| PHVS_Allergen_CDC | Allergen | List of specific drug, food and environmental allergens (e.g. Peanut, Penicillin, Pollen) | 2.16.840.1.11 4222.4.11.83 4 |
| PHVS_Animal_CDC | Animal | Animal Keyword: Animal Type | 2.16.840.1.11 4222.4.11.10 74 |
| PHVS_AnimalSpecies_AnimalRabies | Animal Species (Animal Rabies) | Animal species answer list for animal rabies | 2.16.840.1.11 4222.4.11.30 68 |
| PHVS_AnimalType_FDD | Animal Type (FDD) | Animal contact answer list for Foodborne and Diarrheal Diseases | 2.16.840.1.11 4222.4.11.30 72 |
| PHVS_BatSpecies_AnimalRabies | Bat Species (Animal Rabies) | Species of bat answer list | 2.16.840.1.11 4222.4.11.30 66 |
| PHVS_BirthAttendees_VPD | Birth Attendees (VPD) | Types of attendees at delivery answer list | 2.16.840.1.11 4222.4.11.31 21 |
| PHVS_BirthLocation_VPD | Birth Location (VPD) | Infant's birth place location answer list | 2.16.840.1.11 4222.4.11.31 22 |
| PHVS_BirthOutcome_VPD | Birth Outcome (VPD) | Infant's birth outcome answer list | 2.16.840.1.11 4222.4.11.31 23 |
| PHVS_BloodContactFrequency_Hepatitis | Blood Contact Frequency (Hepatitis) | Codes indicating general levels of frequency. | 2.16.840.1.11 4222.4.11.30 24 |
| PHVS_BloodOrBodyFluidExposureFrequency_CD | Blood or body fluid exposure frequency | Blood or body fluid exposure frequency value set has qualitative concepts that expresses the frequency such as frequent and infrequent. This value set is based upon SNOMED CT Qualifier domain (Frequencies - subdomain) | 2.16.840.1.11 4222.4.11.32 25 |
| PHVS_BloodorBodyFluidExposureRelatedProcedure_CDC | Blood or body fluid exposure related procedure | Procedures involving blood or body fluid exposure. These procedures are considered as risk factors especially for bloodborne infectious diseases such as HIV, Hepatitis B and C. This | 2.16.840.1.11 4222.4.11.32 26 |

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| | | value set is based upon SNOMED CT Procedure domain. | |
| PHVS_BodyRegion_Tetanus | Body Region (Tetanus) | Anatomic site of acute wound or injury answer list for tetanus | 2.16.840.1.11.4222.4.11.3124 |
| PHVS_BodySite_CDC | Body site | Body site from which specimen taken or where disease or injury occurs | 2.16.840.1.11.4222.4.11.967 |
| PHVS_BodySite_HITSP | Body Site Value Set | Body site value set is based upon the concepts descending from the SNOMED CT Anatomical Structure (91723000) hierarchy. | 2.16.840.1.11.3883.3.88.12.3221.8.9 |
| PHVS_BodySubstance_CDC | Body Substance | Body Substance | 2.16.840.1.11.4222.4.11.1067 |
| PHVS_BotulinumToxinType_FDD | Botulinum Toxin Type (FDD) | Botulism toxin types answer list for Foodborne and Diarrheal Diseases | 2.16.840.1.11.4222.4.11.3073 |
| PHVS_CancerType_CDC | Cancer Type | Types of cancer answer list | 2.16.840.1.11.4222.4.11.3058 |
| PHVS_CaseClassStatus_NND | Case Classification Status | Indicates how the Nationally Notifiable Disease case was classified at its close | 2.16.840.1.11.4222.4.11.968 |
| PHVS_CaseConfirmationMethod_NND | Case Confirmation Method | Codes specifying the mechanism by which a case was classified, providing information about how the case classification status was derived. | 2.16.840.1.11.4222.4.11.3025 |
| PHVS_CaseDetectionMethod_NND | Case Detection Method | Codes specifying the method by which the public health department was made aware of the case. | 2.16.840.1.11.4222.4.11.3026 |
| PHVS_CaseInvestigationClosureReason_NND | Case investigation closure reason | If the value specified in Case Status is Closed, this is the reason why the case was closed | 2.16.840.1.11.4222.4.11.969 |
| PHVS_CaseInvestigationStatus_NND | Case Investigation Status | The current status of the investigation (open or closed) | 2.16.840.1.11.4222.4.11.970 |
| PHVS_CaseTransmissionMode_NND | Case Transmission Mode | Codes specifying the mechanism by which disease or condition was acquired. | 2.16.840.1.11.4222.4.11.3027 |
| PHVS_CaseVerification_TB | Case Verification (TB) | Current status of the RVCT | 2.16.840.1.11.4222.4.11.972 |

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| PHVS_ChestXRayResult_CDC | Chest XRay Result | Chest X-ray Results | 2.16.840.1.11 4222.4.11.93 0 |
| PHVS_CholeraRiskFactor_FDD | Cholera Risk Factor (FDD) | Cholera risk factor answer list | 2.16.840.1.11 4222.4.11.30 75 |
| PHVS_CholeraSequelae_FDD | Cholera Sequelae (FDD) | Cholera sequelae answer list | 2.16.840.1.11 4222.4.11.30 76 |
| PHVS_CholeraSignsSymptoms_FDD | Cholera Signs Symptoms (FDD) | Cholera signs and symptoms answer list | 2.16.840.1.11 4222.4.11.30 77 |
| PHVS_ClinicalSyndrome_Arbovirus | Clinical Syndrome (Arbovirus) | ArboNet clinical syndromes answer list | 2.16.840.1.11 4222.4.11.30 59 |
| PHVS_ContactType_HepatitisA | Contact Type (Hepatitis A) | Codes specifying the type of contact with another person. This value set or answer list is specific to Hepatitis A. | 2.16.840.1.11 4222.4.11.30 28 |
| PHVS_ContactType_HepatitisB | Contact Type (Hepatitis B) | Types of contact that have been identified by public health departments as associated with higher risk of coming into contact with the hepatitis B virus. | 2.16.840.1.11 4222.4.11.32 10 |
| PHVS_ContactType_HepatitisBandC | Contact Type (Hepatitis B and C) | Codes specifying the type of contact with another person. This value set or answer list is specific to Hepatitis B and or to Hepatitis C. | 2.16.840.1.11 4222.4.11.30 29 |
| PHVS_CyclosporiasisSignsSymptoms_FDD | Cyclosporiasis Signs Symptoms (FDD) | Cyclosporiasis signs and symptoms answer list | 2.16.840.1.11 4222.4.11.30 78 |
| PHVS_DayCareType_FD D | Day Care Type (FDD) | Type of day care answer list | 2.16.840.1.11 4222.4.11.30 79 |
| PHVS_DiagnosedPneumoniaBy_VZ | Diagnosed Pneumonia By (VZ) | Indicates how pneumonia was diagnosed - varicella specific | 2.16.840.1.11 4222.4.11.98 1 |
| PHVS_DirectlyObservedTherapy_TB | Directly Observed Therapy (TB) | The therapy that was directly observed by the health care provider (directly observed therapy, or DOT) | 2.16.840.1.11 4222.4.11.98 2 |
| PHVS_Disease_CDC | Disease | Disease or Disorder | 2.16.840.1.11 4222.4.11.90 9 |
| PHVS_DiseaseType_AcuteHepatitisB | Disease Type (Acute Hepatitis B) | Acute hepatitis B disease type value set has problems or disease related to Acute Hepatitis B. This value set is based upon SNOMED CT | 2.16.840.1.11 4222.4.11.32 21 |
| PHVS_DiseaseType_Anthrax | Disease Type (Anthrax) | Anthrax disease type value set has problems or disease related to Anthrax. This value set is based upon | 2.16.840.1.11 4222.4.11.32 20 |

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| PHVS_DiseaseType_Hepatitis | Disease Type (Hepatitis) | Hepatitis disease type value set has problems or disease related to hepatitis. This value set is based upon SNOMED CT. | 2.16.840.1.11 4222.4.11.32 30 |
| PHVS_DiseaseType_STD | Disease Type (STD) | Sexually Transmitted Disease type value set has problems or disease related to STD. This value set is based upon SNOMED CT. | 2.16.840.1.11 4222.4.11.32 31 |
| PHVS_DiseaseType_TB | Disease Type (TB) | Tuberculosis disease type value set has problems or disease related to Tuberculosis. This value set is based upon SNOMED CT. | 2.16.840.1.11 4222.4.11.32 22 |
| PHVS_DiseaseType_Tularemia | Disease Type (Tularemia) | Tularemia disease type value set has problems or disease related to Tuberculosis. This value set is based upon SNOMED CT. | 2.16.840.1.11 4222.4.11.32 23 |
| PHVS_DwellingType_NND | Dwelling Type | Type of housing | 2.16.840.1.11 4222.4.11.98 4 |
| PHVS_EmploymentStatus_NND | Employment Status | Employment status | 2.16.840.1.11 4222.4.11.98 5 |
| PHVS_EncounterPurpose_CRA | Countermeasure Encounter Purpose | List of Countermeasure Response Administration encounter reasons | 2.16.840.1.11 4222.4.11.98 8 |
| PHVS_EnvironmentalInvestigationReason_CDC | Environmental Investigation Reason | Reasons for initiating an environmental investigation | 2.16.840.1.11 4222.4.11.99 1 |
| PHVS_EosinUnits_FDD | Eosin Units (FDD) | Specifies whether the eosin result is expressed in percent or numeric | 2.16.840.1.11 4222.4.11.30 80 |
| PHVS_Event_CDC | Event | Event | 2.16.840.1.11 4222.4.11.10 68 |
| PHVS_ExposureLocation_CDC | Exposure Location | Locations that have been identified by public health departments as locations that have been associated with higher risk of coming into contact with infectious diseases such as tuberculosis and Hepatitis B | 2.16.840.1.11 4222.4.11.32 09 |
| PHVS_FetalNeonatalInfectionType_FDD | Fetal Neonatal Infection Type (FDD) | Type of infection in fetus/neonate answer list | 2.16.840.1.11 4222.4.11.30 81 |
| PHVS_FetalNeonatalSpecimenType_CDC | Fetal Neonatal Specimen Type | Source of specimen collected from fetus/neonate answer list | 2.16.840.1.11 4222.4.11.30 82 |

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| PHVS_FreshBerries_FD D | Fresh Berries (FDD) | Fresh berries consumed answer list | 2.16.840.1.11 4222.4.11.30 85 |
| PHVS_FreshHerbs_FDD | Fresh Herbs (FDD) | Fresh herbs consumed answer list | 2.16.840.1.11 4222.4.11.30 86 |
| PHVS_FreshProduce_FD D | Fresh Produce (FDD) | Fresh produce consumed answer list | 2.16.840.1.11 4222.4.11.30 87 |
| PHVS_GeneralCondition Status_CDC | General Condition Status | Patient's general status (alive, dead) | 2.16.840.1.11 4222.4.11.99 4 |
| PHVS_Genotype_Measles | Genotype (Measles) | Measles genotypes answer list | 2.16.840.1.11 4222.4.11.31 26 |
| PHVS_Genotype_Rubella | Genotype (Rubella) | Rubella genotypes answer list | 2.16.840.1.11 4222.4.11.31 27 |
| PHVS_HealthCarePractice Type_TB | Health Care Practice Type (TB) | TB-specific healthcare practice types | 2.16.840.1.11 4222.4.11.99 5 |
| PHVS_HistorySource_C RA | History Source (CRA) | CRA-specific source of medical history | 2.16.840.1.11 4222.4.11.99 6 |
| PHVS_HIVDiagnosisBased On_NND | HIV Diagnosis Based On | If the patient is determined to be the basis for the value entered (patient history, medical documentation, or unknown). | 2.16.840.1.11 4222.4.11.99 7 |
| PHVS_HIVStatus_CDC | HIV Status | HIV Status value set has concepts that expresses the status of HIV such as HIV negative or HIV positive. This value set is based upon SNOMED CT finding domain. | 2.16.840.1.11 4222.4.11.32 32 |
| PHVS_HIVStatusQualitative Result_NND | HIV Status | The patient's HIV status (e.g., Positive, Negative, Indeterminate) | 2.16.840.1.11 4222.4.11.99 8 |
| PHVS_ImmigrationStatus _NND | Immigration Status | Patient's immigration status answer list | 2.16.840.1.11 4222.4.11.31 63 |
| PHVS_ImmunizationInformation Source_CRS | Immunization Information Source (CRS) | Source of information for patient immunization history answer list | 2.16.840.1.11 4222.4.11.31 28 |
| PHVS_Immunosuppressed Condition_CDC | Immunosuppressed Condition | Immunosuppressed conditions answer list | 2.16.840.1.11 4222.4.11.30 60 |
| PHVS_InformationSource _CDC | Information Source | Source of information for patient history answer list | 2.16.840.1.11 4222.4.11.30 88 |
| PHVS_InjuryOccurredEnvironment _VPD | Injury Occurred Environment (VPD) | Environment where the acute wound or injury occurred answer list | 2.16.840.1.11 4222.4.11.31 29 |

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| PHVS_InjuryType_VPD | Injury Type (VPD) | Injury type answer list for tetanus | 2.16.840.1.11 4222.4.11.31 30 |
| PHVS_LabResult_Pertussis | Lab Result (Pertussis) | Bordetella Pertussis Lab Testing Result | 2.16.840.1.11 4222.4.11.31 31 |
| PHVS_LabResult_Rubella | Lab Result (Rubella) | Rubella Lab Testing Result | 2.16.840.1.11 4222.4.11.31 32 |
| PHVS_LabTestFinding_Flu | Lab Test Finding (Flu) | General lab diagnostic findings related to Flu | 2.16.840.1.11 4222.4.11.32 43 |
| PHVS_LabTestInterpretation_CDC | Lab Test Interpretation | Codes specifying qualitative lab test interpretation. | 2.16.840.1.11 4222.4.11.30 48 |
| PHVS_LabTestMethod_VZ | Lab Test Method (VZ) | Other types of varicella lab testing that may have been performed | 2.16.840.1.11 4222.4.11.31 49 |
| PHVS_LabTestResult_PHLIP_Flu | Lab Test Result (PHLIP Flu) | Lab Test Result that could be used in OBX-5 (PHLIP Flu) | 2.16.840.1.11 4222.4.11.30 17 |
| PHVS_LabTestResultQualitative_CDC | Lab Test Result Qualitative | Codes specifying non-microorganism qualitative lab test results including coded comments. Subset of lab test related Modifier or Qualifier concepts from SNOMED CT. | 2.16.840.1.11 4222.4.11.30 49 |
| PHVS_LettuceType_FDD | Lettuce Type (FDD) | Type of lettuce consumed answer list | 2.16.840.1.11 4222.4.11.30 90 |
| PHVS_MajorDiseaseSite_TB | Major Site of Disease (TB) | Main body site where TB manifested | 2.16.840.1.11 4222.4.11.10 07 |
| PHVS_Material_CDC | Material | Object / Material | 2.16.840.1.11 4222.4.11.10 69 |
| PHVS_MaterialExposureType_CDC | Material exposure type | Types of exposure related to material such as suspicious mail and powder including animal material. This value set is primarily based upon SNOMED CT Material (260769002) hierarchy. | 2.16.840.1.11 4222.4.11.32 11 |
| PHVS_MaternalInfection_FDD | Maternal Infection (FDD) | Type of infection in mother answer list | 2.16.840.1.11 4222.4.11.30 91 |
| PHVS_MeatPurchaseInfo_FDD | Meat Purchase Info (FDD) | Where suspect meat obtained answer list | 2.16.840.1.11 4222.4.11.30 92 |
| PHVS_MedicationTreatment_FDD | Medication Treatment (FDD) | Treatments/medications before Vibrio illness began answer list | 2.16.840.1.11 4222.4.11.31 18 |
| PHVS_MicrobiologicalStrain_CDC | Microbiology strain | Codes specifying the strain of an organism. | 2.16.840.1.11 4222.4.11.30 |

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| PHVS_Microorganism_CDC | Microorganism | Microorganisms/infectious agents | 2.16.840.1.114222.4.11.1009 |
| PHVS_Microorganism_Hepatitis | Microorganism (Hepatitis) | Codes specifying micororanisms specfic to Hepatitis. | 2.16.840.1.114222.4.11.3045 |
| PHVS_MicroscopicExamCultureSite_TB | Microscopic Exam Culture Site (TB) | Culture sites for TB | 2.16.840.1.114222.4.11.1010 |
| PHVS_MicroscopicExamType_TB | Microscopic Exam Type (TB) | Type of microscopic examination performed | 2.16.840.1.114222.4.11.3160 |
| PHVS_MissingLabResult_CDC | Missing Lab Result Reason | Reason lab result not performed | 2.16.840.1.114222.4.11.1013 |
| PHVS_ModifierOrQualifier_CDC | Modifier or Qualifier | Qualitativte codes used for laboratory test results | 2.16.840.1.114222.4.11.1014 |
| PHVS_NoCaseReason_CRS | No Case Reason (CRS) | Reason list for why the case is not Congenital Rubella Syndrome | 2.16.840.1.114222.4.11.3134 |
| PHVS_NonLabInterventionProcedure_CDC | Non-Laboratory Intervention and Procedure | This value set includes medical and surgical procedures performed on human body. This is based upon the concepts descending from the SNOMED CT Procedures (71388002) hierarchy. This value set does not include administrative billing procedure or laboratory procedure. | 2.16.840.1.114222.4.11.3204 |
| PHVS_NonLiveBirthOutcome_VPD | Non-Live Birth Outcome (VPD) | Types of non-live birth outcome of pregnancy | 2.16.840.1.114222.4.11.3135 |
| PHVS_NonPaintLeadSource_PB | Non Paint Lead Source | List of non-paint lead exposure sources | 2.16.840.1.114222.4.11.1018 |
| PHVS_NonPaintLeadSourceHobby_PB | Non-paint lead source - hobby related | List of hobbies that could result in exposure to lead | 2.16.840.1.114222.4.11.1019 |
| PHVS_NotifiableCondition_FDD | Notifiable Condition (FDD) | Notifiable conditions specific to Foodborne and Diarrheal Diseases | 2.16.840.1.114222.4.11.3116 |
| PHVS_NumOfSexPartners_Hepatitis | Number Of Sex Partners (Hepatitis) | Codes specifying the number of sex partners the person had. | 2.16.840.1.114222.4.11.3033 |
| PHVS_OccupationRiskCategory_TB | Occupation Risk Category (TB) | Occupations that are high risk for contracting Tuberculosis | 2.16.840.1.114222.4.11.1022 |
| PHVS_OtherRelatedCases_FDD | Other Related Cases | Other cases related to this one answer list | 2.16.840.1.114222.4.11.30 |

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| PHVS_OutbreakType_FD D | Outbreak Type (FDD) | Type of outbreak answer list | 2.16.840.1.11 4222.4.11.30 95 |
| PHVS_OutbreakType_He patitis | Outbreak Type (Hepatitis) | Codes specifying the type of outbreak with which the person is associated. | 2.16.840.1.11 4222.4.11.30 34 |
| PHVS_PassFailUnk_CD C | Passed Failed Unknown | Values used when the result of an observation is Passed or Failed based on reporting parameters. | 2.16.840.1.11 4222.4.11.95 0 |
| PHVS_PCRSpecimenSo urce_VZ | PCR Specimen Source (VZ) | Source of PCR specimen | 2.16.840.1.11 4222.4.11.31 48 |
| PHVS_PhysicalObject_C DC | Physical Object | Physical Object | 2.16.840.1.11 4222.4.11.10 75 |
| PHVS_PorkType_FDD | Pork Type (FDD) | Type of pork consumed answer list | 2.16.840.1.11 4222.4.11.30 96 |
| PHVS_PosNegUnkNotDo ne_CDC | Positive Negative Unknown Not Done | Values used for limited qualitative result reporting | 2.16.840.1.11 4222.4.11.92 9 |
| PHVS_PregnancyOutco me_FDD | Pregnancy Outcome (FDD) | Outcome of pregnancy answer list | 2.16.840.1.11 4222.4.11.30 71 |
| PHVS_PregnancyTrimest er_CDC | Pregnancy Trimester | Although HL7 Table 0038 - Order status contains many of the same values contained in HL7 Table 0119 - | 2.16.840.1.11 4222.4.11.10 26 |
| PHVS_PresentAbsentUn kNotExamined_CDC | Present Absent Unknown Not Examined | Larvae found in suspect food answer list | 2.16.840.1.11 4222.4.11.30 97 |
| PHVS_PreviousVaccinati onHistory_CDC | Previous Vaccine History | Order control codes and their meaning, the purpose is different. Order status may typically be used in a | 2.16.840.1.11 4222.4.11.10 27 |
| PHVS_PrimaryReasonFo rEvaluation_TB | Primary Reason For Evaluation (TB) | Primary or initial reason the patient was evaluated for TB disease | 2.16.840.1.11 4222.4.11.31 61 |
| PHVS_ProcedureBySite CDC | Procedure by Site (SNOMED) | Procedures by body site | 2.16.840.1.11 4222.4.11.11 09 |
| PHVS_RashDistribution VZ | Rash Distribution (VZ) | The anatomical location where the rash was located. | 2.16.840.1.11 4222.4.11.10 32 |
| PHVS_RashLocationFirst Noted_VZ | Rash Location First Noted (VZ) | Where the varicella rash was first noted | 2.16.840.1.11 4222.4.11.10 33 |
| PHVS_ReasonTherapySt opped_TB | Reason Therapy Stopped (TB) | Primary reason that Tuberculosis therapy was ended | 2.16.840.1.11 4222.4.11.10 35 |

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|--|--|--|-------------------------------------|
| PHVS_RecreationalWater_FDD | Recreational Water (FDD) | Recreational water exposure type answer list | 2.16.840.1.11 4222.4.11.30 98 |
| PHVS_ReferralStatus_CRA | Referral Status (CRA) | Status of the referral as defined by the referring provider. | 2.16.840.1.11 4222.4.11.10 36 |
| PHVS_ReportingSourceType_NND | Reporting Source Type | Codes specifying the type of facility or provider associated with the source of information sent to Public Health. | 2.16.840.1.11 4222.4.11.30 36 |
| PHVS_RiskCategory_CRA | Risk Category | Risk categories used in Countermeasure Response | 2.16.840.1.11 4222.4.11.10 37 |
| PHVS_RiskFactor_Flu | Risk Factor (Flu) | List of conditions that are considered as risk factors for Flu | 2.16.840.1.11 4222.4.11.32 42 |
| PHVS_RiskFactors_TB | Risk Factors (TB) | Additional TB risk factors that the TB patient may have | 2.16.840.1.11 4222.4.11.31 62 |
| PHVS_SeafoodPurchaseInfo_FDD | Seafood Purchase Info (FDD) | Where raw seafood obtained answer list | 2.16.840.1.11 4222.4.11.30 99 |
| PHVS_SignsSymptoms_AcuteHepatitisB | Signs and Symptoms (Acute Hepatitis B) | Acute Hepatitis B Signs and Symptoms value set is primarily based upon the SNOMED concepts that are defined in the CSTE standardized reporting definition for Acute Hepatitis B. | 2.16.840.1.11 4222.4.11.32 13 |
| PHVS_SignsSymptoms_Anthrax | Signs and Symptoms (Anthrax) | Anthrax Signs and Symptoms value set is primarily based upon the SNOMED concepts that are defined in the CSTE standardized reporting definition for Anthrax. | 2.16.840.1.11 4222.4.11.32 12 |
| PHVS_SignsSymptoms_Flu | Flu Signs and Symptoms | Signs and Symptoms of Flu | 2.16.840.1.11 4222.4.11.32 40 |
| PHVS_SignsSymptoms_TB | Signs and Symptoms (TB) | Tuberculosis Signs and Symptoms value set is primarily based upon the SNOMED concepts that are defined in the CSTE standardized reporting definition for Tuberculosis | 2.16.840.1.11 4222.4.11.32 14 |
| PHVS_SignsSymptoms_Tularemia | Signs and Symptoms (Tularemia) | Tularemia Signs and Symptoms value set is primarily based upon the SNOMED concepts that are defined in the CSTE standardized reporting definition for Anthrax | 2.16.840.1.11 4222.4.11.32 15 |

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|--|---|--|-------------------------------------|
| PHVS_SituationWithExplicitContext_CDC | Situation with Explicit Context | Clinical Context (e.g. History of, Rule out, Family History) | 2.16.840.1.11 4222.4.11.10 76 |
| PHVS_SkinExposure_FD | Skin Exposure (FDD) | Patient's skin exposure history answer list | 2.16.840.1.11 4222.4.11.31 01 |
| PHVS_SocioBehavioralRiskFactor_CDC | Sociobehavioral risk factor | Socio-behavioral risk factor related to infectious disease. | 2.16.840.1.11 4222.4.11.32 28 |
| PHVS_Specimen_CDC | Specimen | Specimen Keyword: Specimen Source, Specimen Type | 2.16.840.1.11 4222.4.11.94 6 |
| PHVS_Specimen_Flu | Specimen (Flu) | List of specimen sources related to Flu. | 2.16.840.1.11 4222.4.11.32 46 |
| PHVS_SpecimenSource_CRS | Specimen Source (CRS) | Specimen sources answer list for congenital rubella syndrome | 2.16.840.1.11 4222.4.11.31 40 |
| PHVS_SpecimenSource_VPD | Specimen Source (VPD) | Specimen source answer list for rubella | 2.16.840.1.11 4222.4.11.31 41 |
| PHVS_SputumCultureConversionNotDocumentedReason_TB | Sputum Culture Conversion Not Documented Reason | The list of reasons for not documenting the sputum culture conversion | 2.16.840.1.11 4222.4.11.31 64 |
| PHVS_SubstanceTreatmentRefusalReason_CRA | Substance Treatment Refusal Reason | Reason a countermeasure referral subject refused treatment | 2.16.840.1.11 4222.4.11.10 51 |
| PHVS_SusceptibilityResult_CDC | Susceptibility Result | Limited antibiotic susceptibility results list | 2.16.840.1.11 4222.4.11.94 1 |
| PHVS_TattooObtainedFrom_Hepatitis | Tattoo Obtained From (Hepatitis) | Codes specifying the type of location(s) or organizations where people often go to get tattoos or piercings. | 2.16.840.1.11 4222.4.11.30 37 |
| PHVS_TestMethodEIAlgM_CDC | Test Method EIA IgM | Method used for IgM EIA testing | 2.16.840.1.11 4222.4.11.31 42 |
| PHVS_TetanusType_VPD | Tetanus Type (VPD) | Type of tetanus disorder answer list | 2.16.840.1.11 4222.4.11.31 43 |
| PHVS_TherapyExtendedReason_TB | Therapy Extended Reason (TB) | Answer list for the reason the therapy extended beyond 12 months | 2.16.840.1.11 4222.4.11.31 67 |
| PHVS_TransmissionSetting_NND | Transmission Setting | Location where the patient was exposed to the illness | 2.16.840.1.11 4222.4.11.10 52 |
| PHVS_TransplantOrgan_CDC | Transplant Organ | Organs transplanted answer list | 2.16.840.1.11 4222.4.11.30 62 |
| PHVS_TravelMode_CDC | Travel Mode | Mode of travel answer list | 2.16.840.1.11 4222.4.11.31 07 |
| PHVS_TreatmentOutcomeTetanus_VPD | Treatment Outcome Tetanus | Final outcome of tetanus answer list | 2.16.840.1.11 4222.4.11.31 |

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|--|---------------------------------------|---|---|
| | (VPD) | | 44 |
| PHVS TreatmentStatus_CDC | Treatment status | Treatment (medication) status value set includes concepts such as active and on hold | 2.16.840.1.11 4222.4.11.32 03 |
| PHVS TrichinellosisSignsSymptoms_FDD | Trichinellosis Signs Symptoms (FDD) | Trichinellosis signs and symptoms answer list | 2.16.840.1.11 4222.4.11.31 10 |
| PHVS TrueFalse_CDC | True False (TF) | True/False values that may be used when the source has a boolean (T/F) input field | 2.16.840.1.11 4222.4.11.92 8 |
| PHVS TyphoidSignsSymptoms_FDD | Typhoid Signs Symptoms (FDD) | Typhoid signs and symptoms answer list | 2.16.840.1.11 4222.4.11.31 11 |
| PHVS UnderlyingConditions_CDC | Underlying Conditions | Underlying medical conditions answer list | 2.16.840.1.11 4222.4.11.31 12 |
| PHVS VaccinatedAtLocation_CRA | Vaccination Location (CRA) | Facility where vaccination performed | 2.16.840.1.11 4222.4.11.10 56 |
| PHVS VaccineContraindications_CDC | Vaccine Contraindications | A condition which makes administration of a particular substance or treatment inadvisable | 2.16.840.1.11 4222.4.11.10 57 |
| PHVS VaccineDoseNumber_Hepatitis | Vaccine Dose Number (Hepatitis) | Codes specifying the number of doses of hepatitis vaccine received. | 2.16.840.1.11 4222.4.11.30 38 |
| PHVS VaccineDosesReceived_Pertussis | Vaccine Doses Received (Pertussis) | Number of vaccine doses received for pertussis answer list | 2.16.840.1.11 4222.4.11.31 45 |
| PHVS VaccineDosesReceived_Tetanus | Vaccine Doses Received (Tetanus) | Number of vaccine doses received for tetanus answer list | 2.16.840.1.11 4222.4.11.31 46 |
| PHVS VaccineNotGivenReasons_CDC | Vaccine Not Given Reason | Reasons vaccine was not given | 2.16.840.1.11 4222.4.11.93 1 |
| PHVS VirusType_ArboviralDisease | Virus Type (Arboviral Disease) | Virus types answer list specific to Arbovirus/ArboNet reporting | 2.16.840.1.11 4222.4.11.30 63 |
| PHVS WaterSalinity_FD | Water Salinity (FDD) | Water type based on saline content or salt (e.g. Fresh water, sea water) | 2.16.840.1.11 4222.4.11.31 13 |
| PHVS XRayBasedPatientCondition_NND | Abnormal Chest X-ray Condition Status | Patient's condition based on abnormal Chest X-ray results | 2.16.840.1.11 4222.4.11.10 60 |
| PHVS YesNoUnkNotDone_CDC | Yes No Unknown Not Done | Yes No Unknown Not done | 2.16.840.1.11 4222.4.11.30 69 |
| Will be Available in Early August 2009 | | | |
| PHVS_SocialHistoryType_HITSP | Social History Type Value Set | This indicates the type of social history observation | 2.16.840.1.11 3883.3.88.12. 80.60 |

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|--------------------------------------|--------------------------------------|--|---|
| PHVS_ProblemList_HITSP | Problem Value Set | This describes the problem. Diagnosis/Problem List is broadly defined as a series of brief statements that catalog a patient's medical, nursing, dental, social, preventative and psychiatric events and issues that are relevant to that patient's healthcare (e.g., signs, symptoms, and defined conditions) | 2.16.840.1.11 3883.3.88.12. 3221.7.4 |
| PHVS_ProblemType_HITSP | Problem Type Value Set | The SNOMED CT® has been limited by HITSP to the value set reproduced below in Table 2-60 Problem Type Value Set Definition. This indicates the level of medical judgment used to determine the existence of a problem | 2.16.840.1.11 3883.3.88.12. 3221.7.2 |
| PHVS_ProblemSeverity_HITSP | Problem Severity Value Set | This is a description of the level of the severity of the problem. | 2.16.840.1.11 3883.3.88.12. 3221.6.8 |
| PHVS_MedicationType_HITSP | Medication Type Value Set | This is a classification based on how the medication is marketed (e.g., prescription, over the counter drug) | 2.16.840.1.11 3883.3.88.12. 3221.8.19 |
| PHVS_MedicationVehicle_HITSP | Medication Vehicle Value Set | This indicates non-active ingredient(s), or substances not of therapeutic interest, in which the active ingredients are dispersed. Most often applied to liquid products where the major fluid Component is considered the vehicle | 2.16.840.1.11 3883.3.88.12. 80.21 |
| PHVS_AllergyOrAdverseEventType_HITSP | Allergy/Adverse Event Type Value Set | This describes the type of product and intolerance suffered by the patient | 2.16.840.1.11 3883.3.88.12. 3221.6.2 |
| PHVS_AdvanceDirectiveType_HL7_CCD | Advance Directive Type Value Set | This identifies the type of the Advance Directive. Uses the AdvanceDirectiveTypeCode vocabulary defined by CCD. | 2.16.840.1.11 3883.1.11.20. 2 |

RxNorm

- RxNorm, a standardized nomenclature for clinical drugs, is produced by the National Library of Medicine (NLM).
- *Clinical drug* is a pharmaceutical product given to (or taken by) a patient with a therapeutic or diagnostic intent. In RxNorm, the name of a clinical drug combines its ingredients, strengths, and form.
- RxNorm provides normalized names for clinical drugs and links its names to many of the drug vocabularies commonly used in pharmacy management and drug interaction software, including those of First Databank, Micromedex, MediSpan, Gold Standard Alchemy, and Multum. By providing links between these vocabularies, RxNorm can mediate messages between systems not using the same software and vocabulary.
- RxNorm updates are available weekly which could be obtained from the UMLS (Unified Medical Language System) website managed by National Library of Medicine (NLM).

RxNav

NLM provides a browser “RxNav” which would be extremely useful for searching the RxNorm concepts as well as navigating the RxNorm concepts by Brand Name or Ingredient. RxNav can be accessed from the desktop using the link <http://mor.nlm.nih.gov/download/rxnav> . RxNav uses the data from the UMLS website and installs just the software on the user’s system.

Standard Development Organization: National Library of Medicine (NLM)

Home page - <http://www.nlm.nih.gov/>

Contact / Support - <http://apps.nlm.nih.gov/mainweb/siebel/nlm/index.cfm>

The National Library of Medicine (NLM), on the campus of the National Institutes of Health in Bethesda, Maryland, is the world's largest medical library. The Library collects materials and provides information and research services in all areas of biomedicine and health care.

RxNorm Training

[RxNorm Overview](#)

[RxNorm History & Publications](#)

[RxNorm IEEE Publication](#)

[Webcast on RxNorm](#)

[RxNorm, Past, Present and Future](#)

[Drug Information at the National Library of Medicine](#)

[RxNav Downloads & Features](#)

[RxNorm Code System Metadata in PHIN VADS](#)

RxNorm Value Sets in PHIN VADS

| ValueSetCode | ValueSEtName | DefinitionText | ValueSetOld |
|---|---|---|---------------------------------|
| PHVS_MedicationTreatment_TB | Medication Treatment (TB) | Tuberculosis treatment value set has medication concepts used to treat tuberculosis. This is based upon the FDA Unique Ingredient Identifier (UNII). | 2.16.840.1.114222.4.11.3218 |
| PHVS_SemanticClinicalDrug_RxNORM | Semantic Clinical Drug (Ingredient plus strength and dose form) | Semantic Clinical Drug E.g. Amoxicillin 750 MG Oral Tablet | 2.16.840.1.114222.4.11.1103 |
| PHVS_SemanticClinicalDrugForm_RxNORM | Semantic Clinical Drug Form (Ingredient plus dose form) | Semantic Clinical Drug Form . E.g. Amoxicillin Oral Tablet | 2.16.840.1.114222.4.11.1104 |
| Will be available Early August 2009 in PHIN VADS | | | |
| PHVS_MedicationClinicalDrugName_HITSP | Medication Clinical Drug Name Value Set | Medication Clinical Drug Name.Shall contain RxNorm normal forms for concepts type of "Ingredient Name" or Generic Packs. The ingredient name concepts can be found in the RxNORM file RXCONSO.RRF selecting all terms where SAB=RXNORM (selecting the normal forms), and TTY=IN (selecting the ingredient names) or TTY=GPACK (selecting the generic packs) | 2.16.840.1.113883.3.88.12.80.17 |
| PHVS_MedicationBrandName_HITSP | Medication Brand Name Value Set | This identifies the product brand name of drugs, such as Tylenol, Claritin, etc. Shall contain RxNorm normal forms for concepts type of "Brand Name" or Brand Name Packs. | 2.16.840.1.113883.3.88.12.80.16 |

UCUM

- The Regenstrief Institute has developed a code system “Unified Code for Units of Measure” (UCUM) and syntax for representing the units of measure related concepts.
- UCUM units are commonly used in HL7 2.x message especially in the OBX-6 or in HL7 v3 messages for the data type PQ / PQR. UCUM code system provides only the atomic units and provides the syntax for creating the pre-coordinated units of measure concepts (UCUM expression).
- PHIN VADS has included the UCUM atomic concepts as well as the UCUM expression in the UCUM code system.
- UCUM expression concepts are commonly used clinical units of measure concepts developed by HL7 Vocabulary Technical Committee
- UCUM code system metadata provides the dimension for the units of measure concepts which may be used during the units of measure conversion (e.g. pound to kilogram).
- PHIN VADS preferred concept name uses the fully specified name providing the kind of quantity information within brackets along with the UCUM concept name.
- For more detailed implementation of the UCUM code system, please visit the UCUM [website](#).

Standard Development Organization:

Main Website: <http://www.regenstrief.org/>

E-mail / Support: <http://www.regenstrief.org/contact>

Regenstrief Institute, Inc., an internationally recognized informatics and healthcare research organization, is dedicated to the improvement of health through research that enhances the quality and cost-effectiveness of healthcare. Established in 1969 by philanthropist Sam Regenstrief on the campus of the Indiana University School of Medicine in Indianapolis, the Institute is supported by the Regenstrief Foundation and closely affiliated with the IU School of Medicine and the Health and Hospital Corporation of Marion County, Indiana.

UCUM Training

[UCUM Introduction & Overview](#)

[Regenstrief Unit Conversion Tool](#)

[UCUM in XML File](#)

[caBIG Accepted Standard Documentation about UCUM](#)

Units of Measure in Clinical Information Systems
Schadow et al. *J Am Med Inform Assoc.* 1999; 6: 151-161

UCUM in PHIN VADS

UCUM Code System Metadata in PHIN VADS

UCUM Value Sets in PHIN VADS

| ValueSetCode | ValueSetName | DefinitionText | ValueSetOld |
|--|---------------------|---|-----------------------------|
| PHVS_AgeUnit_UCUM | Age unit | Units of measure for age | 2.16.840.1.114222.4.11.878 |
| PHVS_BloodPressureUnit_UCUM | Blood Pressure Unit | Units of measure for Blood Pressure | 2.16.840.1.114222.4.11.920 |
| PHVS_EosinUnits_FDD | Eosin Units (FDD) | Specifies whether the eosin result is expressed in percent or numeric | 2.16.840.1.114222.4.11.3080 |
| PHVS_HeightUnit_UCUM | Height Unit | Units for measuring height | 2.16.840.1.114222.4.11.891 |
| PHVS_TemperatureUnit_UCUM | Temperature Unit | Units of measure for temperature | 2.16.840.1.114222.4.11.919 |
| PHVS_UnitsOfMeasure_CDC | Units of Measure | Units of Measure based on UCUM std which also includes dimension | 2.16.840.1.114222.4.11.838 |
| PHVS_UnitsOfMeasureMassVolume_UCUM | Volume Mass Units | Volume Mass units of measure based on UCUM std | 2.16.840.1.114222.4.11.1054 |
| PHVS_UnitsOfMeasureVolume_UCUM | Volume Units | Volume related units of Measure based on UCUM std | 2.16.840.1.114222.4.11.1053 |
| PHVS_WeightUnit_UCUM | Weight Unit | Units for measuring weight based on UCUM std. | 2.16.840.1.114222.4.11.879 |

HL7 (Health Level 7) <http://www.hl7.org/>

Health Level Seven is one of several American National Standards Institute (ANSI) - accredited Standards Developing Organizations (SDOs) operating in the healthcare arena. Most SDOs produce standards (sometimes called specifications or protocols) for a particular healthcare domain such as pharmacy, medical devices, imaging or insurance (claims processing) transactions. Health Level Seven's domain is clinical and administrative data.

From HITSP C80: Table 2-14 Code Systems from Health Level Seven V2

| Element | Description |
|-------------------------|---|
| Code System Source | Health Level Seven (HL7) |
| Code System Name | HL7 Messaging Standard Version 2.5.1 |
| Code System Description | The HL7 Messaging Standard Version 2.5.1 is an application protocol for electronic data exchange in healthcare. It and prior versions have widespread use in the U.S. and internationally. Both message formats and value sets/code tables (e.g., diagnosis type, gender, patient class, result status, specimen collection method, abnormal flags, observation result status codes interpretation, timestamp format) are contained in the standard. Of particular focus for HITSP Interoperability Specifications are message formats described in Chapters 2, 3, 4, 5, and 7 including patient demographic (ADT), and lab result reporting. These are also used within composite standards from IHE for Patient Identity Cross-Referencing and Feed (PIX), Patient Demographics Query (PDQ) and Acknowledgements. They are also used in HL7 order messages. For more information visit www.hl7.org |
| Code System URL | http://www.hl7.org/Memonly/downloads/Standards_Messaging_v251/HL7_Messaging_v251_PDF.zip |
| Code System Version | 2.5.1 |

From HITSP C80: Table 2-16 Code Systems from Health Level Seven V3

| Element | Description |
|-------------------------|--|
| Code System Source | Health Level Seven (HL7) |
| Code System Name | Health Level Seven (HL7) Version 3.0 Vocabulary |
| Code System Description | The HL7 Version 3.0 Messaging Standard is an application protocol for electronic data exchange in healthcare. Version 3.0 is based on a Reference Information Model (RIM); which is used to instantiate various message formats. Value sets/code tables are contained in the standard. For more information visit www.hl7.org |
| Code System URL | http://www.hl7.org/memonly/downloads/v3edition.cfm#V32008 |
| Code System Version | V3NE08 |

HL7 Training[HL7 Vocabulary Tutorial](#)[HL7 Good Vocabulary Practices](#)[HL7 Tools & Resources](#) (Click on Vocabulary Resources)[HL7 Version 2.x Vocabulary](#)[HL7 Table 0396 Coding Systems](#)[HL7 OID Registry](#)

HL7 V3 Value Sets

| ValueSetCode | ValueSetName | DefinitionText | ValueSetOld |
|--|---|--|--|
| PHVS_AdministrativeGender_HL7_V3 | Administrative Gender (HL7 V3) | Administrative Gender based upon HL7 V3 vocabulary. This value set contains only male, female and undifferentiated concepts. | 2.16.840.1.1138 83.1.11.1 |
| PHVS_ObservationInterpretation_HL7_V3 | Observation Interpretation (HL7) | Observation interpretation concepts that are based upon HL7 V3 vocabulary. | 2.16.840.1.1138 83.1.11.78 |
| PHVS_EducationLevel_HL7_V3 | Education Level | Highest Level of Education Received | 2.16.840.1.1142 22.4.11.3168 |
| PHVS_LabTestMethods_CDC | Observation Method | Laboratory test method identifiers | 2.16.840.1.1142 22.4.11.1003 |
| PHVS_NullFlavor_HL7_V3 | Null Flavor (HL7 V3) | HL7 V3 coding system with codes to indicate the null responses (e.g. unknown, other, not present) | 2.16.840.1.1142 22.4.11.875 |
| Will be available Early August 2009 in VADS | | | |
| PHVS_MaritalStatus_HL7_V3 | Marital Status Value Set | Marital Status is the domestic partnership status of a person. | 2.16.840.1.1138 83.1.11.12212 |
| PHVS_PersonalRelationshipRoleType_HL7_V3 | Personal Relationship Role Type Value Set | A Personal Relationship records the role of a person in relation to another person. This value set is to be used when recording the relationships between different people who are not necessarily related by family ties, but also includes family relationships | 2.16.840.1.1138 83.1.11.19563 |
| PHVS_FamilyMember_HL7_V3 | Family Member Value Set | Family Relationships record the familial relationship of a person to another person. This value set is to be used when it is necessary to record family relationships (e.g., next of kin, or blood relations). This is a subset of the value set used for personal relationships | 2.16.840.1.1138 83.1.11.19579 |
| PHVS_ContactType_HL7_V3 | Contact Type Value Set | The HL7 Version 3 Role Class Vocabulary has been limited by HITSP to the value set and represents the type of individual support provided, such as immediate emergency contacts, next of kin, family relations, guardians, agents, et cetera | 2.16.840.1.1138 83.3.88.12.3221. 3.2 |

| | | | |
|---|--|---|-------------------------------------|
| PHVS_ReligiousAffiliation_HL7_V3 | Religious Affiliation Value Set | This reflects the spiritual faith affiliation | 2.16.840.1.1138 83.1.11.19185 |
| PHVS_LanguageAbilityMode_HL7_V3 | LanguageAbilityMode Value Set | This identifies the language ability of the individual. A value representing the method of expression of the language. | 2.16.840.1.1138 83.1.11.12249 |
| PHVS_CoverageRoleType_HL7_V3 | Coverage Role Type Value Set | This specifies if the patient is the subscriber or dependent within the context of the specified health plan | 2.16.840.1.1138 83.1.11.18877 |
| PHVS_FinanciallyResponsibleParty_HL7_V3 | Financially Responsible Party Type Value Set | A relationship between two entities that is formally recognized, frequently by a contract or similar agreement. This identifies the party that has responsibility for all or a portion of the patient's healthcare. | 2.16.840.1.1138 83.1.11.10416 |
| PHVS_MedicationFillStatus_HITSP | Medication Fill Status Value Set | The HL7 ActStatus has been limited by HITSP. This identifies whether the medication has been fulfilled, such as completed and aborted | 2.16.840.1.1138 83.3.88.12.80.64 |
| PHVS_ResultStatus_HITSP_HL7_V3 | V3 Result Status Value Set | This identifies the status for the results (observation) | 2.16.840.1.1138 83.3.88.12.80.65 |
| PHVS_PatientClass_HITSP_HL7_V3 | Patient Class Value Set | This is used to categorize patients by site where encounter occurred | 2.16.840.1.1138 83.3.88.12.80.66 |

HL7 Version 2.5.1 Value Sets

| ValueSetCode | ValueSetName | DefinitionText | ValueSetOld |
|--------------------------------|---------------------------|--|--------------------------------|
| PHVS_AbnormalFlag_HL7_2x | Abnormal Flag (HL7) | HL7 version 2.5 User-Defined Table 0078 Abnormal Flags used for laboratory result interpretation | 2.16.840.1.11 4222.4.11.800 |
| PHVS_AcknowledgmentCode_HL7_2x | Acknowledgment Code (HL7) | Acknowledgment code indicating receipt of message. (See message processing rules. Refer to HL7 Table 0008 - Acknowledgment code for valid values.) Null flavors are not allowed. | 2.16.840.1.11 4222.4.11.958 |

| | | | |
|---|---|---|---------------------------------|
| PHVS_AcuteConvalescentIgGDiff_VPD | Acute Convalescent IgG Difference (VPD) | Answer list of interpretative results of the difference between the values for the acute and convalescent IgG tests | 2.16.840.1.11 4222.4.11.3119 |
| PHVS_AddressType_CD C | Address Type | HL7 version 2.5 Table 0190 Address Type codes. Information regarding the type of address being passed in the message (e.g., Mailing, Home, Business). | 2.16.840.1.11 4222.4.11.961 |
| PHVS_AddressType_HL7_2x | Address Type (HL7) | Address Type | 2.16.840.1.11 4222.4.11.801 |
| PHVS_AdministrationDevice_HL7_2x | Administration Device (HL7) | HL7 version 2.5 Table 0164 Administration Device codes used for Substance Administration | 2.16.840.1.11 4222.4.11.802 |
| PHVS_AdministrationMethod_HL7_2x | Administration Method (HL7) | HL7 version 2.5 Table 0165 Administration Method codes used for Substance Administration | 2.16.840.1.11 4222.4.11.803 |
| PHVS_AdministrativeSex_HL7_2x | Administrative Sex (HL7) | HL7 version 2.5 User-Defined Table 0001 Administrative sex code | 2.16.840.1.11 4222.4.11.927 |
| PHVS_AdmissionLevelOfCareCode_HL7_2x | Admission Level of Care (HL7) | HL7 version 2.5 User-Defined Table 0432 Admission Level of Care codes used in ADT messages | 2.16.840.1.11 4222.4.11.912 |
| PHVS_AdmitSource_HL7_2x | Admission Source (HL7) | HL7 version 2.5 User-Defined Table 0023 Admit Source codes used in ADT messages | 2.16.840.1.11 4222.4.11.918 |
| PHVS_AdmissionType_HL7_2x | Admission Type (HL7) | HL7 version 2.5 User-Defined Table 0007 Admit Type codes used in ADT messages | 2.16.840.1.11 4222.4.11.913 |
| PHVS_AdverseEventPreviouslyReported_CDC | Adverse Event Previously Reported | Indicates whether Adverse Event previously reporting, and to whom (Manufacturer, Health Department, Doctor) | 2.16.840.1.11 4222.4.11.964 |
| PHVS_AllergenType_HL7_2x | Allergen Type (HL7) | HL7 version 2.5 User-Defined Table 0127 Allergen Type codes | 2.16.840.1.11 4222.4.11.806 |
| PHVS_AllergySeverity_HL7_2x | Allergy Severity (HL7) | HL7 version 2.5 User-Defined Table 0128 Allergy Severity codes | 2.16.840.1.11 4222.4.11.807 |

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| PHVS_SubstanceBatchDeactivationReason_CRA | Batch Deactivation Reason | Reason the prepared substance batch was deactivated | 2.16.840.1.114222.4.11.1050 |
| PHVS_BodySite_FDD | Body Site (FDD) | Body site answer list for Foodborne and Diarrheal Diseases | 2.16.840.1.114222.4.11.3117 |
| PHVS_CaseInvestigationStatus_NND | Case Investigation Status | The current status of the investigation (open or closed) | 2.16.840.1.114222.4.11.970 |
| PHVS_CaseTracedToCarrier_FDD | Case Traced to Carrier | Answer list for typhoid carrier tracing | 2.16.840.1.114222.4.11.3074 |
| PHVS_ChestXRayResult_CDC | Chest XRay Result | Chest X-ray Results | 2.16.840.1.114222.4.11.930 |
| PHVS_CholeraSequelae_FDD | Cholera Sequelae (FDD) | Cholera sequelae answer list | 2.16.840.1.114222.4.11.3076 |
| PHVS_CommentType_CD | Comment Type | Type of comment | 2.16.840.1.114222.4.11.975 |
| PHVS_ConfidentialityCode_HL7_2x | Confidentiality Code (HL7) | Identifier of the confidentiality level that should be associated with this order. | 2.16.840.1.114222.4.11.976 |
| PHVS_AdverseEventConsequence_CDC | Consequence of Adverse Event | Adverse event consequence [adapted from HL7-defined Table 0240] | 2.16.840.1.114222.4.11.963 |
| PHVS_ContactRole_CD | Contact Role | Role played by the contact person | 2.16.840.1.114222.4.11.977 |
| PHVS_DegreeLicenseCertificate_HL7_2x | Degree License Certification (HL7) | The standard classification awarded upon completion of a unified program of study. HL7 2.5 User-defined Table 0360 - Degree. | 2.16.840.1.114222.4.11.808 |
| PHVS_DiagnosisPriority_HL7_2x | Diagnosis Priority (HL7) | The number from HL7 Table 0359 - Diagnosis Priority that identifies the significance or priority of the diagnosis code, with 1 being the Primary diagnosis, etc. | 2.16.840.1.114222.4.11.914 |
| PHVS_DiagnosisType_HL7_2x | Diagnosis Type (HL7) | A code from HL7 2.5 User-defined Table 0052 - Diagnosis Type that identifies the type of diagnosis being sent (Admitting, Working, Final). | 2.16.840.1.114222.4.11.827 |

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| PHVS_DiagnosticServiceSectionID_HL7_2x | Diagnostic service section ID (HL7) | The section of the diagnostic service where the observation was performed. Uses HL7 2.5 Table 0074 - Diagnostic Service Section ID | 2.16.840.1.11 4222.4.11.922 |
| PHVS_DischargeDisposition_HL7_2x | Discharge Disposition (HL7) | The disposition of the patient at time of discharge (i.e., discharged to home, expired, etc.). Uses User-defined Table 0112 - Discharge Disposition; this field is used on UB92 FL22. | 2.16.840.1.11 4222.4.11.915 |
| PHVS_Encoding_HL7_2x | Encoding Type (HL7) | The type of encoding used to represent successive octets of binary data as displayable ASCII characters. HL7 Table 0299 - Encoding for valid values. | 2.16.840.1.11 4222.4.11.986 |
| PHVS_EnvironmentalInvestigationReason_CDC | Environmental Investigation Reason | Reasons for initiating an environmental investigation | 2.16.840.1.11 4222.4.11.991 |
| PHVS_ErrorSeverity_HL7_2x | Error Severity (HL7) | Identifies severity of an application error when messaging. Knowing if something is Error, Warning, or Information is intrinsic to how an application handles the content contained in the message. Uses HL7 Table 0516. | 2.16.840.1.11 4222.4.11.993 |
| PHVS_ExpandedYesNo_HL7_2x | Expanded Yes No (HL7) | HL7 Table 0532 that contains Yes, No, and some flavors of null | 2.16.840.1.11 4222.4.11.820 |
| PHVS_ExtendedPriorityCodes_HL7_2x | Extended Priority Codes (HL7) | Extended Order Priority | 2.16.840.1.11 4222.4.11.102 4 |
| PHVS_IdentifierType_CD C | Identifier Type | Identifier type codes. Builds on HL7 Table 0203 Identifier Type | 2.16.840.1.11 4222.4.11.999 |
| PHVS_IdentityReliabilityCode_HL7_2x | Identity Reliability Code (HL7) | Values used to communicate information about the reliability of the person information transmitted in the message. This value set draws from User Defined table 0445-Identity Reliability Code. | 2.16.840.1.11 4222.4.11.100 0 |
| PHVS_ImmunizationBodySite_CDC | Immunization Body Site | Specifies anatomical location of immunization / Vaccination | 2.16.840.1.11 4222.4.11.302 3 |

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| PHVS_IsolateAvailability EIPTesting_NND | Isolate Availability EIP Testing | Indicates isolate availability for Emerging Infectious Program (EIP) Testing | 2.16.840.1.11 4222.4.11.303 9 |
| PHVS_LabResult_Pertus sis | Lab Result (Pertussis) | Bordetella Pertussis Lab Testing Result | 2.16.840.1.11 4222.4.11.313 1 |
| PHVS_LabResult_Rubell a | Lab Result (Rubella) | Rubella Lab Testing Result | 2.16.840.1.11 4222.4.11.313 2 |
| PHVS_LabTestInterpreta tion_CDC | Lab Test Interpretation | Codes specifying qualitative lab test interpretation. | 2.16.840.1.11 4222.4.11.304 8 |
| PHVS_MaritalStatus_HL 7_2x | Marital Status (HL7) | HL7 Table 0002 Marital Status codes | 2.16.840.1.11 4222.4.11.809 |
| PHVS_SpecialtyType_HL 7_2x | Medical Specialty (HL7) | Medical service under which patient is being treated. | 2.16.840.1.11 4222.4.11.916 |
| PHVS_MessageErrorCon ditionCodes_HL7_2x | Message Error Condition Codes (HL7) | Type of error that occurred while processing the message identified in MSA.2 | 2.16.840.1.11 4222.4.11.974 |
| PHVS_MissingLabResult _CDC | Missing Lab Result Reason | Reason lab result not performed | 2.16.840.1.11 4222.4.11.101 3 |
| PHVS_NameType_HL7_ 2x | Name Type (HL7) | HL7 table 0200 contains types of person names, including Maiden and Alias. | 2.16.840.1.11 4222.4.11.810 |
| PHVS_NatureOfAbnorma lTesting_HL7_2x | Nature of Abnormal Test (HL7) | HL7 Table 0080 contains the nature of the abnormal testing (ex. age-related and/or sex-related and/or race-related values) | 2.16.840.1.11 4222.4.11.101 7 |
| PHVS_ObservationResul tStatus_HL7_2x | Observation Result Status (HL7) | The status of the observation. This field is required when the OBX segment is contained in a message. Uses HL7 2.5 Table 0085-Observation Result Status. | 2.16.840.1.11 4222.4.11.811 |
| PHVS_OrderControlCod es_HL7_2x | Order Control Code (HL7) | Order Control Codes that determine the function of the order segment. Uses HL7 Table 0119-Order Control Codes. | 2.16.840.1.11 4222.4.11.923 |
| PHVS_OrderStatus_HL7 _2x | Order Status (HL7) | Reports the status of an order upon request or when the status changes. It may be used in a message with Order Control value of SR or SC. | 2.16.840.1.11 4222.4.11.102 5 |
| PHVS_PatientClass_HL7 _2x | Patient Class (HL7) | General type of patient. HL7 User-defined table 0004 | 2.16.840.1.11 4222.4.11.917 |

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| PHVS_PatientLocationStatusAtSpecimenCollection | Patient Location Status at Specimen Collection | Patient's location status at the time of specimen collection | 2.16.840.1.114222.4.11.3018 |
| PHVS_PharmacyOrderType_HL7_2x | Pharmacy Order Type (HL7) | HL7 table 0480 contains values that define the general category of the pharmacy order. This may be used to determine the processing path of the order or how to group related orders for reports. | 2.16.840.1.114222.4.11.925 |
| PHVS_PREFERREDMethodOfContact_HL7_2x | Preferred Method of Contact (HL7) | HL7 version 2.x Preferred method of contact used in chapter(s) 15; HL7 table 0185. | 2.16.840.1.114222.4.11.3021 |
| PHVS_ProcessingID_HL7_2x | Processing ID (HL7) | HL7 table 0103 contains values that define whether the message is part of a production, training or debugging system. | 2.16.840.1.114222.4.11.1028 |
| PHVS_ProcessingMode_HL7_2x | Processing Mode (HL7) | HL7 table 0207 contains values that define whether the message is part of an archival process or an initial load. | 2.16.840.1.114222.4.11.1029 |
| PHVS_ProductionClass_HL7_2x | Production Class (HL7) | User-defined table 0429 contains the code and description that indicates the primary use for which the living subject was bred or grown. | 2.16.840.1.114222.4.11.812 |
| PHVS_ReferralDisposition_HL7_2x | Referral Disposition (HL7) | Type of response or action requested by the referring provider from the referred-to provider. | 2.16.840.1.114222.4.11.825 |
| PHVS_ReferralPriority_HL7_2x | Referral Priority (HL7) | Urgency of the referral. | 2.16.840.1.114222.4.11.822 |
| PHVS_ReferralReason_HL7_2x | Referral Reason (HL7) | Specific reason for referral, if the Referral Type and Referral Category were not considered reasons in themselves. | 2.16.840.1.114222.4.11.823 |
| PHVS_Relationship_HL7_2x | Relationship (HL7) | Relationship codes as specified by HL7. | 2.16.840.1.114222.4.11.813 |
| PHVS_Relationship_VPD | Relationship (VPD) | Case contact relationships answer list | 2.16.840.1.114222.4.11.3138 |
| PHVS_Religion_HL7_2x | Religion (HL7) | User-defined table 0006 contains a list of religions. | 2.16.840.1.114222.4.11.814 |

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| PHVS_ReportingSourceType_NND | Reporting Source Type | Codes specifying the type of facility or provider associated with the source of information sent to Public Health. | 2.16.840.1.11 4222.4.11.303 6 |
| PHVS_ResponseFlag_HL7_2x | Response Flag (HL7) | Response Flag | 2.16.840.1.11 4222.4.11.102 3 |
| PHVS_ResultStatus_HL7_2x | Result status (HL7) | The status of the results. This field is required when the OBR segment is contained in a message. Uses HL7 2.5 Table 0123-Result Status. | 2.16.840.1.11 4222.4.11.815 |
| PHVS_RouteOfAdministration_HL7_2x | Route of Administration (HL7) | User-defined table 0162 contains a list of the routes of administration of a drug or treatment. | 2.16.840.1.11 4222.4.11.816 |
| PHVS_Sex_MFU | Sex (MFU) | Constrained list of sex codes in use by public health. Keyword: Administrative Sex | 2.16.840.1.11 4222.4.11.103 8 |
| PHVS_SourceOfComment_HL7_2x | Source of Comment (HL7) | HL7 version 2.5 Table 0105 - Source of Comment. | 2.16.840.1.11 4222.4.11.301 4 |
| PHVS_AdditiveOrPreservative_HL7_2x | Specimen Additive or Preservative (HL7) | HL7 version 2.5 Table 0371 Additive/Preservative codes. Information regarding any substances added to the specimen before or at the time of specimen collection. | 2.16.840.1.11 4222.4.11.960 |
| PHVS_SpecimenAppropriateness_HL7_2x | Specimen Appropriateness (HL7) | The suitability of the specimen for the particular planned use as determined by the filler. Refer to User-defined Table 0492 Specimen Appropriateness | 2.16.840.1.11 4222.4.11.103 9 |
| PHVS_SpecimenChildRole_HL7_2x | Specimen Child Role (HL7) | For child specimens, this field identifies the relationship between this specimen and the parent specimen. | 2.16.840.1.11 4222.4.11.104 0 |
| PHVS_SpecimenCollectionMethod_HL7_2x | Specimen Collection Method (HL7) | Describes the procedure or process by which the specimen was collected. Any nationally recognized coding system might be used for this field including SNOMED; alternatively the HL7 defined table 0488 may be used | 2.16.840.1.11 4222.4.11.104 1 |

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| PHVS_SpecimenCondition_CDC | Specimen Condition | A mode or state of being that describes the nature of the specimen. Refers to HL7 User-defined Table 0493 Specimen Condition. | 2.16.840.1.11 4222.4.11.104 2 |
| PHVS_SpecimenQuality_HL7_2x | Specimen Quality (HL7) | The degree or grade of excellence of the specimen at receipt. The filler populates this attribute. Refers to User-defined Table 0491 Specimen Quality. | 2.16.840.1.11 4222.4.11.104 3 |
| PHVS_SpecimenRejectReason_HL7_2x | Specimen Reject Reason (HL7) | One or more reasons the specimen is rejected for the specified observation/result/analysis. Refers to HL7 table 0490-Specimen Reject Reason. | 2.16.840.1.11 4222.4.11.104 4 |
| PHVS_SpecimenRisk_DC | Specimen Risk | Any known or suspected specimen hazards, e.g., exceptionally infectious agent or blood from a hepatitis patient. Refers to User-defined Table 0489 Risk Codes. | 2.16.840.1.11 4222.4.11.104 5 |
| PHVS_SpecimenRole_DC | Specimen Role | The role of the sample. If this field is not populated, then the specimen described has no special, or specific, role other than serving as the focus of the observation. Refers to User-defined Table 0369 Specimen role. | 2.16.840.1.11 4222.4.11.104 6 |
| PHVS_SpecimenSource_PHLIP | Specimen Source (PHLIP) | Specimen Source from HL7 Table 0070. PHLIP is migrating to use of SNOMED as specimen source - need to review if doable with next release or the release after that | 2.16.840.1.11 4222.4.11.302 0 |
| PHVS_SpecimenTreatment_CDC | Specimen Treatment | Specimen treatment performed during laboratory processing | 2.16.840.1.11 4222.4.11.104 7 |
| PHVS_SusceptibilityResult_CDC | Susceptibility Result | Limited antibiotic susceptibility results list | 2.16.840.1.11 4222.4.11.941 |
| PHVS_TelecommunicationEquipmentType_HL7_2x | Telecommunication Equipment Type (HL7) | HL7 table 0202 contains a list of types of telecommunication equipment | 2.16.840.1.11 4222.4.11.817 |

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| PHVS_TelecommunicationUseCode_HL7_2x | Telecommunication Use Code (HL7) | HL7 table 0201 contains a list that represents a specific use of a telecommunication number | 2.16.840.1.114222.4.11.818 |
| PHVS_TravelersHealthInfoSource_CDC | Travelers Health Info Source | Cholera prevention education measures answer list | 2.16.840.1.114222.4.11.3109 |
| PHVS_CompletionStatusForValidValues_HL7_2x | Treatment Completion Status (HL7) | status of treatment administration event. Uses HL7 table 0322 | 2.16.840.1.114222.4.11.821 |
| PHVS_UniversalIdType_HL7_2x | Universal ID Type (HL7) | HL7 table 0301 contains the universal identifier type | 2.16.840.1.114222.4.11.1055 |
| PHVS_ValueType_HL7_2x | Value Type (HL7) | HL7 table 0125 contains the list of formats of the observation value in OBX-3. | 2.16.840.1.114222.4.11.1059 |
| PHVS_WoundHistory_CDC | Wound History | Wound History during exposure answer list | 2.16.840.1.114222.4.11.3115 |
| PHVS_YesNo_HL7_2x | Yes No Indicator (HL7) | Value set used to respond to any question that can be answered only Yes or No, or Unknown. This value set is also HL7 table 0136 Yes/No Indicator. | 2.16.840.1.114222.4.11.819 |
| PHVS_YesNoUnknown_CDC | Yes No Unknown (YNU) | Value set used to respond to any question that can be answered Yes, No, or Unknown. | 2.16.840.1.114222.4.11.888 |
| PHVS_YesNoUnknownNoAnswer_CDC | Yes No Unknown No Answer | Yes No Unknown No Answer | 2.16.840.1.114222.4.11.3064 |
| PHVS_YesNoUnkNotDone_CDC | Yes No Unknown Not Done | Yes No Unknown Not done | 2.16.840.1.114222.4.11.3069 |