

Vocabulary Associated with Zika Virus Disease

To assist users of electronic health records (EHR) and electronic laboratory reporting (ELR), CDC published vocabulary associated with Zika virus disease in the CDC Vocabulary Access and Distribution System (VADS) at <https://phinvads.cdc.gov/vads/ViewView.action?name=Zika%20virus%20disease%20associated%20vocabulary%20for%20EHR%20and%20ELR>.

The vocabulary value sets have been grouped into four tables based upon disease, pregnant women, and infant.

- Table #1: [Value sets specific to Zika virus disease](#)
- Table #2: [Value sets related to Dengue, Chikungunya and Arboviral diseases](#)
- Table #3: [Value sets related to Pregnant Women](#)
- Table #4: [Value sets related to Newborn / Infant](#)

These value sets do not include all the possible vocabulary needed for patient care, decision support, and laboratory information data exchange. CDC continues to work on the vocabulary associated with Zika virus disease and will update CDC VADS with new vocabulary as finalized.

Most of the value sets related to pregnancy and newborn were developed by the CDC's National Center for Health Statistics (NCHS) for the "IHE QRPH Birth and Fetal Death Reporting - Enhanced (BFDR-E) Implementation Guide," which can be downloaded by using this VADS link:

<https://phinvads.cdc.gov/vads/ViewView.action?id=45651B80-7960-E511-BC01-0017A477041A>.

CDC VADS allows users to subscribe to its RSS feeds to get updates for an individual value set or all of the value sets associated with Zika virus disease. VADS maintains the version history for all value sets.

Value Set Information

Value Set Code: PHYS_ZikaAffectedAreas_CDC
Value Set Name: Zika-affected areas
Value Set OID: 2.16.840.1.114222.4.11.7457
Value Set Description: Zika-affected areas value set has been created based upon Jan 26th, 2016 travel notice from CDC Zika virus disease website. For more information, please visit <http://www.cdc.gov/zika/geo/index.html>

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Version History
Version 1 (Current)

24 Value Set Concepts found

Concept Code	Sequence	Concept Name	Preferred Concept Name	Code System	Value Set	Details
<input type="checkbox"/> BRB	1	BARBADOS	BARBADOS	Country (ISO 3166-1)	Zika-affected areas	Details
<input type="checkbox"/> BOL	2	BOLIVIA	BOLIVIA	Country (ISO 3166-1)	Zika-affected areas	Details
<input type="checkbox"/> BRA	3	BRAZIL	BRAZIL	Country (ISO 3166-1)	Zika-affected areas	Details
<input type="checkbox"/> CPV	4	CAPE VERDE	CAPE VERDE	Country (ISO 3166-1)	Zika-affected areas	Details
<input type="checkbox"/> COL	5	COLOMBIA	COLOMBIA	Country (ISO 3166-1)	Zika-affected areas	Details
<input type="checkbox"/> DOM	6	DOMINICAN REPUBLIC	DOMINICAN REPUBLIC	Country (ISO 3166-1)	Zika-affected areas	Details

Resources

- CDC VADS application link: <http://phinvads.cdc.gov>
- For support: E-mail the CDC vocabulary team at PHINVS@CDC.GOV
- For the latest information about Zika virus disease: Access the CDC Zika virus website at <http://www.cdc.gov/zika/index.html>

Table #1: Value sets specific to Zika virus disease

Value Set Name	Value Set Definition	CDC VADS Value Set Hyperlink	Value Set (VS) Version	VS Last Updated Date
Transmission Mode (Zika)	Transmission mode for Zika virus disease value set includes a few transmission modes that are still being investigated. For more information, please visit the CDC website http://www.cdc.gov/zika/transmission/index.html	PHVS_TransmissionMode_Zika	1	01/30/2016
Vector (Zika)	Vectors/mosquito species associated with the vector-borne transmission of Zika virus disease.	PHVS_Vector_Zika	1	01/31/2016
Zika-affected areas	Zika-affected areas value set has been created based upon 1/26/16 travel notice from CDC Zika virus disease website. For more information, please visit http://www.cdc.gov/zika/geo/index.html .	PHVS_ZikaAffectedAreas_CDC	1	01/30/2016
Insect Repellant	List of insect repellants that includes mosquito repellants, too.	PHVS_InsectRepellent_CDC	1	01/31/2016
Diagnostic Lab Test Findings (Nationally Notifiable Disease [NND])	Diagnostic lab test findings contains interpretation lab test results used by epidemiologists.	PHVS_DiagnosticLabTestFindings_NND	1	01/31/2016
Specimen Type (Zika)	List of specimens associated with Zika laboratory tests. This includes specimen from mother as well as fetus, infant as well as acute, convalescent specimens.	PHVS_SpecimenType_Zika	1	01/31/2016
Complications (Zika)	Complications associated with Zika virus disease. This list represents potential complications, and some of them are not confirmed. Complications related to Dengue and Chikungunya are also present in this value set.	PHVS_Complications_Zika	1	01/31/2016
Signs Symptoms (Zika)	Signs and symptoms of Zika virus disease. For more information, please visit the CDC Zika virus website at http://www.cdc.gov/zika/hc-providers/clinicalevaluation.html	PHVS_SignsSymptoms_Zika	1	01/30/2016

Table #2: Value sets related to Dengue, Chikungunya and Arboviral diseases

Value Set Name	Value Set Definition	CDC VADS Value Set Hyperlink	Value Set (VS) Version	VS Last Updated Date
Drug Disease Interaction (Dengue)	Drug disease interaction association with Dengue includes the drugs (Aspirin, NSAID) that should be avoided in Dengue virus infection / illness.	PHVS_DrugDiseaseInteraction_Dengue	1	01/31/2016
Lab Result (Dengue)	Lab results associated with Dengue	PHVS_LabResult_Dengue	2	06/14/2011
Lab Test Name (Dengue)	Lab tests associated with Dengue	PHVS_LabTestName_Dengue	6	06/25/2015
Lab Result (Chikungunya virus)	Lab results associated with Chikungunya	PHVS_LabResult_Chikungunya	2	06/24/2015
Lab Test Name (Chikungunya virus)	Lab tests associated with Chikungunya	PHVS_LabTestName_Chikungunya	1	06/24/2015
Lab Result (Arbovirus)	Lab results associated with Arboviral diseases	PHVS_LabResult_Arbovirus	4	06/14/2011
Lab Test Name (Arbovirus)	Lab tests associated with Arboviral diseases	PHVS_LabTestName_Arbovirus	2	06/14/2011
Lab Test Type (Arbovirus)	Lab test type associated with Arboviral diseases. This value set is used for Arboviral Case Notification Message Mapping Guide v2.0. This would be used by public health epidemiologists to interpret the lab tests.	PHVS_LabTestType_Arbovirus	1	01/31/2016
Signs Symptoms (Arbovirus)	Signs and symptoms of Arboviral diseases. This value set would be used for public health case notification and includes signs and symptoms of Dengue, Chikungunya and Zika.	PHVS_SignsSymptoms_Arbovirus	2	01/30/2016

Table #3: Value sets related to Pregnant Women

Value Set Name	Value Set Definition	CDC VADS Value Set Hyperlink	Value Set (VS) Version	VS Last Updated Date
Further Fetal Assessment (National Center for Health Statistics [NCHS])	To reflect that there was a fetal intolerance of labor further fetal assessment including scalp pH, scalp stimulation, acoustic stimulation	PHVS_FurtherFetalAssessment_NCHS	1	06/28/2013
Prenatal Diagnostic Procedures	List of non-laboratory prenatal diagnostic procedures such as ultrasound, amniocentesis, etc.	PHVS_PrenatalDiagnosticProcedures_CDC	1	01/31/2016
Fever Greater Than 100.4 (NCHS)	To reflect a fever greater than 100.4 during labor	PHVS_FeverGreaterThan100.4_NCHS	1	06/28/2013
Fetal Intolerance of Labor (NCHS)	To reflect that there was a fetal intolerance of labor further fetal assessment including in-utero resuscitation, further fetal assessment, and operative delivery	Fetal Intolerance of Labor (NCHS)	1	03/22/2014
Date of Last Menses (NCHS)	To reflect the question as to the date of last menses	PHVS_DateofLastMenses_NCHS	2	09/24/2014
First Prenatal Care Visit (NCHS)	To reflect the question as to the first prenatal care visit	PHVS_FirstPrenatalCareVisit_NCHS	2	09/24/2014
Length of Gestation in Weeks	Length of gestation finding values in weeks and trimester.	PHVS_LengthOfGestationInWeeks_CDC	1	01/31/2016
Obstetric Estimate of Gestation (NCHS)	To reflect the question as to the obstetric estimate of gestation	PHVS_ObstetricEstimateOfGestation_NCHS	1	09/24/2014
Pregnancy Risk Factors (NCHS)	The value set contains the list of values used to indicate selected medical risk factors of the mother during this pregnancy.	PHVS_PregnancyRiskFactors_NCHS	2	03/16/2015
Pregnancy Status (NCHS)	To reflect whether the decedent was pregnant at or around the time of death.	PHVS_PregnancyStatus_NCHS	2	04/01/2014
Pregnancy Trimester	Pregnancy trimester (1 st , 2 nd , 3 rd)	PHVS_PregnancyTrimester_CDC	2	10/22/2008
Transfusion Whole Blood or Packed Red Bld (NCHS)	To reflect transfusion whole blood or packed red blood as a maternal morbidity	PHVS_TransfusionWholeBloodOrPackedRBC_NCHS	2	10/29/2014

Table #4: Value sets related to Newborn / Infant

Value Set Name	Value Set Definition	CDC VADS Value Set Hyperlink	Value Set (VS) Version	VS Last Updated Date
Head Circumference Findings	Head circumference findings	PHVS_HeadCircumferenceFindings_CDC	1	01/31/2016
Microcephaly Causes	Causes of microcephaly. There is a possible association of microcephaly with Zika virus infection during pregnancy. For more information, please see http://www.cdc.gov/ncbddd/birthdefects/microcephaly.html/ .	PHVS_MicrocephalyCauses_CDC	1	01/31/2016
Newborn Vital Signs (NCHS)	The value set contains the list of vital sign information captured for a newborn or delivered fetus.	PHVS_NewbornVitalSigns_NCHS	2	05/07/2015
Suspected Chromosomal Disorder (NCHS)	To reflect suspected chromosomal disorder as an anomaly of the newborn	PHVS_SuspectedChromosomalDisorder_NCHS	2	10/29/2014
Seizure or Serious Neurologic Dysfunction (NCHS)	To reflect that the newborn suffered a seizure or serious neurologic dysfunction reflecting an abnormal condition of the newborn.	PHVS_SeizureOrSeriousNeurologicDysfunction_NCHS	3	10/29/2014
1 Min Apgar Score (NCHS)	To reflect the question as to the 1 Min Apgar Score	PHVS_ApgarScore1Min_NCHS	1	05/07/2015
10 Min Apgar Score (NCHS)	To reflect the question as to the 10 Min Apgar Score	PHVS_ApgarScore10Min_NCHS	2	09/24/2014
5 Min Apgar Score (NCHS)	To reflect the question as to the 5 Min Apgar Score	PHVS_ApgarScore5Min_NCHS	3	09/24/2014