

Value Set Definition:

Value Set: PHVS_H_INCAR_TY

OID: 2.16.840.1.114222.4.11.80

Based on code system: PH_H_INCAR_TY

Code System OID: 2.16.840.1.114222.4.5.47

Functional Description

These will be added later. [NB to Ted – populate this one for the demo]

PHVS_H_INCAR_TY Table Codes

The table of values will be added later.

4.36. PHVS_H_NUM_SEX_PART

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_H_NUM_SEX_PART

OID: 2.16.840.1.114222.4.11.81

Based on code system: PH_H_NUM_SEX_PART

Code System OID: 2.16.840.1.114222.4.5.48

Functional Description

These will be added later.

PHVS_H_NUM_SEX_PART Table Codes

The table of values will be added later.

4.37. PHVS_H_OUTBREAK_TY

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_H_OUTBREAK_TY

OID: 2.16.840.1.114222.4.11.82

Based on code system: PH_H_OUTBREAK_TY

Code System OID: 2.16.840.1.114222.4.5.49

Functional Description

These will be added later.

PHVS_H_OUTBREAK_TY Table Codes

The table of values will be added later.

4.38. PHVS_H_PIERC_LOC_TY

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_H_PIERC_LOC_TY

OID: 2.16.840.1.114222.4.11.83

Based on code system: PH_H_PIERC_LOC_TY

Code System OID: 2.16.840.1.114222.4.5.50

Functional Description

These will be added later. [NB to Ted – populate this one for the demo]

PHVS_H_PIERC_LOC_TY Table Codes

The table of values will be added later.

4.39. PHVS_H_RSN_FOR_TEST

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_H_RSN_FOR_TEST

OID: 2.16.840.1.114222.4.11.84

Based on code system: PH_H_RSN_FOR_TEST

Code System OID: 2.16.840.1.114222.4.5.51

Functional Description

These will be added later.

PHVS_H_RSN_FOR_TEST Table Codes

The table of values will be added later.

4.40. PHVS_H_VAC_DOSE_NUM

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_H_VAC_DOSE_NUM

OID: 2.16.840.1.114222.4.11.85

Based on code system: PH_H_VAC_DOSE_NUM

Code System OID: 2.16.840.1.114222.4.5.52

Functional Description

These will be added later.

PHVS_H_VAC_DOSE_NUM Table Codes

The table of values will be added later.

4.42. PHVS_LAB_SENS_RSLT_Q

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_LAB_SENS_RSLT_Q

OID: 2.16.840.1.114222.4.11.94

Based on code

Code System OID:

Functional Description

These will be added later.

PHVS_LAB_SENS_RSLT_Q Table Codes

The table of values will be added later.

4.41. PHVS_HOUSING_TYPE

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_HOUSING_TYPE

OID: 2.16.840.1.114222.4.11.87

Based on code system: PH_HOUSING_TYPE

Code System OID: 2.16.840.1.114222.4.5.53

Functional Description

These will be added later.

PHVS_HOUSING_TYPE Table Codes

The table of values will be added later.

4.43. PHVS_LAB_TEST

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_LAB_TEST

OID: 2.16.840.1.114222.4.11.95

Based on code system: PH_LAB_TEST

Code System OID: 2.16.840.1.114222.4.5.54

Functional Description

These will be added later.

PHVS_LAB_TEST Table Codes

The table of values will be added later.

4.44. PHVS_MED_INS_TYPE

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_MED_INS_TYPE

OID: 2.16.840.1.114222.4.11.109

Based on code system: PH_MED_INS_TYPE

Code System OID: 2.16.840.1.114222.4.5.55

Functional Description

These will be added later.

PHVS_MED_INS_TYPE Table Codes

The table of values will be added later.

4.45. PHVS_N_TYPE

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_N_TYPE

OID: 2.16.840.1.114222.4.11.116

Based on code system: PH_N_TYPE

Code System OID: 2.16.840.1.114222.4.5.56

Functional Description

These will be added later.

PHVS_N_TYPE Table Codes

The table of values will be added later.

4.46. PHVS_NIP_ANATOMIC_ST

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_NIP_ANATOMIC_ST

OID: 2.16.840.1.114222.4.11.117

Based on code system: PH_NIP_ANATOMIC_ST

Code System OID: 2.16.840.1.114222.4.5.57

Functional Description

These will be added later.

PHVS_NIP_ANATOMIC_ST Table Codes

The table of values will be added later.

4.47. PHVS_NIP_CONF_M

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_NIP_CONF_M

OID: 2.16.840.1.114222.4.11.118

Based on code system: PH_NIP_CONF_M

Code System OID: 2.16.840.1.114222.4.5.58

Functional Description

These will be added later.

PHVS_NIP_CONF_M Table Codes

The table of values will be added later.

4.48. PHVS_NIP_JGG_DIFF

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_NIP_JGG_DIFF

OID: 2.16.840.1.114222.4.11.119

Based on code system: PH_NIP_JGG_DIFF

Code System OID: 2.16.840.1.114222.4.5.59

Functional Description

These will be added later.

PHVS_NIP_JGG_DIFF Table Codes

The table of values will be added later.

4.49. PHVS_NIP_RSLT_QUAL

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_NIP_RSLT_QUAL

OID: 2.16.840.1.114222.4.11.120

Based on code system: PH_NIP_RSLT_QUAL

Code System OID: 2.16.840.1.114222.4.5.60

Functional Description

These will be added later.

PHVS_NIP_RSLT_QUAL Table Codes

The table of values will be added later.

4.51. PHVS_OUTBREAK_NM

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_OUTBREAK_NM

OID: 2.16.840.1.114222.4.11.136

Based on code system: PH_OUTBREAK_NM

Code System OID: 2.16.840.1.114222.4.5.62

Functional Description

These will be added later.

PHVS_OUTBREAK_NM Table Codes

The table of values will be added later.

4.50. PHVS_NIP_SPECMN_SRC

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_NIP_SPECMN_SRC

OID: 2.16.840.1.114222.4.11.121

Based on code system: PH_NIP_SPECMN_SRC

Code System OID: 2.16.840.1.114222.4.5.61

Functional Description

These will be added later.

PHVS_NIP_SPECMN_SRC Table Codes

The table of values will be added later.

4.52. PHVS_OUTCOME_L_BIRTH

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_OUTCOME_L_BIRTH

OID: 2.16.840.1.114222.4.11.137

Based on code system: PH_OUTCOME_L_BIRTH

Code System OID: 2.16.840.1.114222.4.5.63

Functional Description

These will be added later.

PHVS_OUTCOME_L_BIRTH Table Codes

The table of values will be added later.

4.53. PHVS_OUTCOME_NLB

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_OUTCOME_NLB

OID: 2.16.840.1.114222.4.11.138

Based on code system: PH_OUTCOME_NLB

Code System OID: 2.16.840.1.114222.4.5.64

Functional Description

These will be added later.

PHVS_OUTCOME_NLB Table Codes

The table of values will be added later.

4.54. PHVS_OUTCOME_PREG

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_OUTCOME_PREG

OID: 2.16.840.1.114222.4.11.139

Based on code

Code System OID:

Functional Description

These will be added later.

PHVS_OUTCOME_PREG Table Codes

The table of values will be added later.

4.55. PHVS_P_PAGE_CAT

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_P_PAGE_CAT

OID: 2.16.840.1.114222.4.11.145

Based on code system: PH_P_PAGE_CAT

Code System OID: 2.16.840.1.114222.4.5.65

Functional Description

These will be added later.

PHVS_P_PAGE_CAT Table Codes

The table of values will be added later.

4.56. PHVS_P_EDUC_LVL

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_P_EDUC_LVL

OID: 2.16.840.1.114222.4.11.146

Based on code system: PH_P_EDUC_LVL

Code System OID: 2.16.840.1.114222.4.5.66

Functional Description

These will be added later.

PHVS_P_EDUC_LVL Table Codes

The table of values will be added later.

4.57. PHVS_P_ETHN

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_P_ETHN

OID: 2.16.840.1.114222.4.11.147

Based on code system: Ethnicity

Code System OID: 2.16.840.1.113883.5.50

Functional Description

These will be added later.

PHVS_P_ETHN Table Codes

The table of values will be added later.

4.58. PHVS_P_ETHN_GRP

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_P_ETHN_GRP

OID: 2.16.840.1.114222.4.11.233

Based on code system: Ethnic Group

Code System OID: 2.16.840.1.113883.12.189

Functional Description

This is a value set the currently encompasses all of the recommended codes in the published HL7 version 2 Ethnic group table.

PHVS_P_ETHN_GRP Table Codes

Code	Term
H	Hispanic or Latino
N	Not Hispanic or Latino
U	Unknown

4.59. PHVS_P_OCCUP

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_P_OCCUP

OID: 2.16.840.1.114222.4.11.155

Based on code system: SOC_OCCUP

Code System OID:

Functional Description

These will be added later.

PHVS_P_OCCUP Table Codes

The table of values will be added later.

4.60. PHVS_P_RACE

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_P_RACE

OID: 2.16.840.1.114222.4.11.156

Based on code system: Race

Code System OID: 2.16.840.1.113883.5.104

Functional Description

These will be added later.

PHVS_P_RACE Table Codes

The table of values will be added later.

4.61. PHVS_P_RACE_CAT

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_P_RACE_CAT

OID: 2.16.840.1.114222.4.11.157

Based on code system: PH_P_RACE_CAT

Code System OID: 2.16.840.1.114222.4.5.3

Functional Description

These codes identify the Race of a Person using the codes for the categories defined by OMB and HL7 Version 2. These codes have been integrated, and imported by the CDC to form this internal Public Health Race Category code system.

PHVS_P_RACE_CAT Table Codes

Code	Term
1002-5	American Indian or Native Alaskan
2028-9	Asian
2054-5	Black
2076-8	Hawaiian or Pacific Islander
2106-3	White
2131-1	Other
U	Unknown

4.62. PHVS_P_VAC_DOSE_NUM

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_P_VAC_DOSE_NUM

OID: 2.16.840.1.114222.4.11.159

Based on code

Code System OID:

Functional Description

These will be added later.

PHVS_P_VAC_DOSE_NUM Table Codes

The table of values will be added later.

4.63. PHVS_PER_ANTIBIOTIC

Table Content Compound Value Set

Value Set Definition:

Value Set: PHVS_PER_ANTIBIOTIC

OID: 2.16.840.1.114222.4.11.163

- Component #1:
 - Value Set: PHVS_PER_ANTIBIOTIC_CDC
 - OID: 2.16.840.1.114222.4.11.254
 - Based on code system: PH_PER_ANTIBIOTIC
 - Code System OID: 2.16.840.1.114222.4.5.68
- Component #2:
 - Value Set: PHVS_PER_ANTIBIOTIC_NLM
 - OID: 2.16.840.1.114222.4.11.255
 - Based on code system: UMLS
 - Code System OID: 2.16.840.1.113893.6.86

Functional Description

These will be added later.

PHVS_PER_ANTIBIOTIC_NLM Table Codes

The table of values will be added later.

4.64. PHVS_PER_CHEST_XRAY

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_PER_CHEST_XRAY

OID: 2.16.840.1.114222.4.11.164

Based on code system: PH_PER_CHEST_XRAY

Code System OID: 2.16.840.1.114222.4.5.69

Functional Description

These will be added later.

PHVS_PER_CHEST_XRAY Table Codes

The table of values will be added later.

4.65. PHVS_PER_LAB_RSLT

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_PER_LAB_RSLT

OID: 2.16.840.1.114222.4.11.1166

Based on code system: PH_PER_LAB_RSLT

Code System OID: 2.16.840.1.114222.4.5.70

Functional Description

These will be added later.

PHVS_PER_LAB_RSLT Table Codes

The table of values will be added later.

4.67. PHVS_PHC_CLASS

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_PHC_CLASS

OID: 2.16.840.1.114222.4.11.1170

Based on code system: PH_PHC_CLASS

Code System OID: 2.16.840.1.114222.4.5.72

Functional Description

These will be added later.

PHVS_PHC_CLASS Table Codes

The table of values will be added later.

4.66. PHVS_PER_REL_TY

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_PER_REL_TY

OID: 2.16.840.1.114222.4.11.1168

Based on code system: PH_PER_REL_TY

Code System OID: 2.16.840.1.114222.4.5.71

Functional Description

These will be added later.

PHVS_PER_REL_TY Table Codes

The table of values will be added later.

4.68. PHVS_PHC_CONF_M

Table Content: Compound Value Set

Value Set Definition:

Value Set: PHVS_PHC_CONF_M

OID: 2.16.840.1.114222.4.11.1171

- Component #1:
 - Value Set: PHVS_PHC_CONF_M_CDC
 - OID: 2.16.840.1.114222.4.11.1172
 - Based on code system: PH_PHC_CONF_M
 - Code System OID: 2.16.840.1.114222.4.5.73
- Component #2:
 - Value Set: PHVS_PHC_CONF_M_HL7
 - OID: 2.16.840.1.114222.4.11.1129
 - Based on code system: unknown
 - Code System OID: unknown

Functional Description

These will be added later.

PHVS_PHC_CONF_M_HL7 Table Codes

The table of values will be added later.

4.69. PHVS_PHC_IMPRT

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_PHC_IMPRT

OID: 2.16.840.1.114222.4.11.174

Based on code system: PH_PHC_IMPRT

Code System OID: 2.16.840.1.114222.4.5.74

Functional Description

These will be added later.

PHVS_PHC_IMPRT Table Codes

The table of values will be added later.

4.70. PHVS_PHC_IN_STS

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_PHC_IN_STS

OID: 2.16.840.1.114222.4.11.175

Based on code system: PH_PHC_IN_STS

Code System OID: 2.16.840.1.114222.4.5.75

Functional Description

These will be added later.

PHVS_PHC_IN_STS Table Codes

The table of values will be added later.

4.71. PHVS_PHC_RPT_SRC_T

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_PHC_RPT_SRC_T

OID: 2.16.840.1.114222.4.11.179

Based on code system: PH_PHC_RPT_SRC_T

Code System OID: 2.16.840.1.114222.4.5.76

Functional Description

These will be added later.

PHVS_PHC_RPT_SRC_T Table Codes

The table of values will be added later.

4.72. PHVS_PHC_TRAN_SETNG

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_PHC_TRAN_SETNG

OID: 2.16.840.1.114222.4.11.182

Based on code system: PH_PHC_TRAN_SETNG

Code System OID: 2.16.840.1.114222.4.5.77

Functional Description

These will be added later.

PHVS_PHC_TRAN_SETNG Table Codes

The table of values will be added later.

4.73. PHVS_PHC_TYPE

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_PHC_TYPE

OID: 2.16.840.1.114222.4.11.183

Based on code system: PH_PHC_TYPE

Code System OID: 2.16.840.1.114222.4.5.78

Functional Description

These will be added later.

PHVS_PHC_TYPE Table Codes

The table of values will be added later.

4.74. PHVS_PNU

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_PNU

OID: 2.16.840.1.114222.4.11.180

Based on code system: PH_PNU

Code System OID: 2.16.840.1.114222.4.5.79

Functional Description

These will be added later.

PHVS_PNU Table Codes

The table of values will be added later.

4.75. PHVS_PREG_TRIMESTER

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_PREG_TRIMESTER

OID: 2.16.840.1.114222.4.11.184

Based on code system: PH_PREG_TRIMESTER

Code System OID: 2.16.840.1.114222.4.5.80

Functional Description

These will be added later.

PHVS_PREG_TRIMESTER Table Codes

The table of values will be added later.

4.76. PHVS_PSL_CNTRY

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_PSL_CNTRY

OID: 2.16.840.1.114222.4.11.186

Based on code system: ISO3166-1

Code System OID: 2.16.1

Functional Description

These will be added later.

PHVS_PSL_CNTRY Table Codes

The table of values will be added later.

4.77. PHVS_RUB_BIRTH_OUTCM

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_RUB_BIRTH_OUTCM

OID: 2.16.840.1.114222.4.11.194

Based on code system: PH_RUB_BIRTH_OUTCM

Code System OID: 2.16.840.1.114222.4.5.81

Functional Description

These will be added later.

PHVS_RUB_BIRTH_OUTCM Table Codes

The table of values will be added later.

4.78. PHVS_RUB_PRE_CARE_T

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_RUB_PRE_CARE_T

OID: 2.16.840.1.114222.4.11.195

Based on code system: PH_RUB_PRE_CARE_T

Code System OID: 2.16.840.1.114222.4.5.83

Functional Description

These will be added later.

PHVS_RUB_PRE_CARE_T Table Codes

The table of values will be added later.

4.79. PHVS_RUB_VIR_RSLT

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_RUB_VIR_RSLT

OID: 2.16.840.1.114222.4.11.197

Based on code system: PH_RUB_VIR_RSLT

Code System OID: 2.16.840.1.114222.4.5.84

Functional Description

These will be added later.

PHVS_RUB_VIR_RSLT Table Codes

The table of values will be added later.

4.80. PHVS_RUB_VIR_SPEC

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_RUB_VIR_SPEC

OID: 2.16.840.1.114222.4.11.198

Based on code system: PH_RUB_VIR_SPEC

Code System OID: 2.16.840.1.114222.4.5.85

Functional Description

These will be added later.

PHVS_RUB_VIR_SPEC Table Codes

The table of values will be added later.

4.81. PHVS_S_JURDIC_C

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_S_JURDIC_C

OID: 2.16.840.1.114222.4.11.199

Based on code system: PH_S_JURDIC_C

Code System OID: 2.16.840.1.114222.4.5.86

Functional Description

These will be added later.

PHVS_S_JURDIC_C Table Codes

The table of values will be added later.

4.82. PHVS_S_PROGRA_C

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_S_PROGRA_C

OID: 2.16.840.1.114222.4.11.200

Based on code system: PH_S_PROGRA_C

Code System OID: 2.16.840.1.114222.4.5.87

Functional Description

These will be added later.

PHVS_S_PROGRA_C Table Codes

The table of values will be added later.

4.83. PHVS_SEX

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_SEX

OID: 2.16.840.1.114222.4.11.206

Based on code system: PH_SEX

Code System OID: 2.16.840.1.113883.12.1

Functional Description

This is a Public Health Value set for NEDSS built on the set of codes defined by HL7 Version 2 Administrative Sex; note that these are not the same codes as are used in the HL7 Version 3 Administrative Gender code system. These codes are to indicate the apparent gender of a person from an administrative standpoint; any reason for ambiguity between Male and Female should be assigned the 'Unknown' code.

PHVS_SEX Table Codes

Public Health Gender Values

Code	Term
F	Female
M	Male
U	Unknown

4.84. PHVS_SPECMN_SRC

Table Content: Compound Value Set

Value Set Definition:

Value Set: PHVS_SPECMN_SRC

OID: 2.16.840.1.114222.4.11.209

- Component #1:
 - Value Set: PHVS_SPECMN_SRC_CDC
 - OID: 2.16.840.1.114222.4.11.210
 - Based on code system: PH_SPECMN_SRC
 - Code System OID: 2.16.840.1.114222.4.5.88
- Component #2:
 - Value Set: PHVS_SPECMN_SRC_HL7
 - OID: 2.16.840.1.114222.4.11.258
 - Based on code system: Specimen source codes
 - Code System OID: 2.16.840.1.113883.12.70

Functional Description

These will be added later.

PHVS_SPECMN_SRC_HL7 Table Codes

The table of values will be added later.

4.85. PHVS_STATE_CCD

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_STATE_CCD

OID: 2.16.840.1.114222.4.11.259

Based on code system: PH_STATE_CCD

Code System OID: 2.16.840.1.114222.4.5.2

Functional Description

These will be added later.

PHVS_STATE_CCD Table Codes

The table of values will be added later.

4.86. PHVS_STUDENT_TYPE

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_STUDENT_TYPE

OID: 2.16.840.1.114222.4.11.212

Based on code system: PH_STUDENT_TYPE

Code System OID: 2.16.840.1.114222.4.5.89

Functional Description

These will be added later.

PHVS_STUDENT_TYPE Table Codes

The table of values will be added later.

4.87. PHVS_TEMP_UNIT

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_TEMP_UNIT

OID: 2.16.840.1.114222.4.11.216

Based on code system: PH_TEMP_UNIT

Code System OID: 2.16.840.1.114222.4.5.90

Functional Description

These will be added later.

PHVS_TEMP_UNIT Table Codes

The table of values will be added later.

4.88. PHVS_VAC_MFGR

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_VAC_MFGR

OID: 2.16.840.1.114222.4.11.219

Based on code system: VaccineManufacturer

Code System OID: 2.16.840.1.113883.5.144

Functional Description

These will be added later.

PHVS_VAC_MFGR Table Codes

The table of values will be added later.

4.89. PHVS_VAC_NIM

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_VAC_NIM

OID: 2.16.840.1.114222.4.11.220

Based on code system: VaccineType

Code System OID: 2.16.840.1.113883.5.145

Functional Description

These will be added later.

PHVS_VAC_NIM Table Codes

The table of values will be added later.

4.90. PHVS_VAC_NOTG_RSN

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS_VAC_NOTG_RSN

OID: 2.16.840.1.114222.4.11.221

Based on code system: PH_VAC_NOTG_RSN

Code System OID: 2.16.840.1.114222.4.5.91

Functional Description

These will be added later.

PHYS_VAC_NOTG_RSN Table Codes

The table of values will be added later.

4.91. PHYS_WEIGHT_UNIT

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHYS_WEIGHT_UNIT

OID: 2.16.840.1.114222.4.11.222

Based on code system: PH_WEIGHT_UNIT

Code System OID: 2.16.840.1.114222.4.5.92

Functional Description

These will be added later.

PHYS_WEIGHT_UNIT Table Codes

The table of values will be added later.

4.92. PHYS_YN

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHYS_YN

OID: 2.16.840.1.114222.4.11.223

Based on code system: PH_YN

Code System OID: 2.16.840.1.114222.4.5.93

Functional Description

These will be added later.

PHYS_YN Table Codes

The table of values will be added later.

4.93. PHYS_YNU

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHYS_YNU

OID: 2.16.840.1.114222.4.11.224

Based on code system: PH_YNU

Code System OID: 2.16.840.1.114222.4.5.94

Functional Description

These will be added later.

PHYS_YNU Table Codes

The table of values will be added later.

4.94. PHYS_YR_IN_SCHOOL

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHYS_YR_IN_SCHOOL

OID: 2.16.840.1.114222.4.11.225

Based on code system: PH_YR_IN_SCHOOL

Code System OID: 2.16.840.1.114222.4.5.95

Functional Description

These will be added later.

PHYS_YR_IN_SCHOOL Table Codes

The table of values will be added later.

5. Implementation Mapping Table

The implementation table provides a guide to implementation of case reporting for the disease in question while using the Notification Message format. The table contains the following elements

- Unique ID: A mnemonic identifier for each attribute within the message. These are the same identifiers used within the NEDSS Base System Information Model.
- Unique Short Name: A text name for each attribute.
- Functional Notes: Descriptive text that provides explanatory material where relevant.
- Notification Message Class & Attribute: The class and attribute within the Notification Message to which the attribute maps.
- Comment: Additional comments to assist the mapping process.
- SRT Reference: An indication of the System Reference Table (SRT) that contains the allowable values for coded attributes. For observation values, the SRT reference contains the allowable values for the observation. It is assumed that the observation

code value will also be supplied as a component of the observation class within the message. Note: from the perspective of conformance, use of the proper SRT code set is just as important as compliance to the message format.

5.1. Generic Notification Message Mapping

The following table contains the detailed instructions for implementing a particular reportable disease or condition.

Unique ID/Unique Short Name	Description (Generic Message)	Class/Attribute	Comments	SRT
INV155 MMWR Week	MMWR Week for which case information is to be counted for MMWR publication.	A_Case_observation_value	Required Field Acted = INV155 (MMWR Week) Observation datatype is INT.	
INV166 MMWR Year	MMWR Year (YYYY) for which case information is to be counted for MMWR publication.	A_Case_observation_value	Required Field Acted = INV166 (MMWR Year) Observation datatype is INT.	
NOT110 Record Type	The type of record reported (e.g. Condition notification, summary notification, diagnosis/verification of prior notification)	A_Control_event_cd	Required Field	N_TYPE
NTF122 NEISS Notification Version Number	Designates the version of the NEISS record (message structure) format.	Q_Message_version_id	Required Field Use the FDS assigned look value.	
INV112 Reporting Source Type Code	Type of facility or provider associated with the source of information sent to Public Health.	E_Case_related_organization	When FDS assigned, use the value of function the reporting source. Use the case environment of the CV.	PHG_RPT_SRC
DEMT63 Zip Code	The zip code of a residence of the case subject or entity.	E_Case_related_party_address	When Flagged = "HOME" & Place linked to Patient. Patient has case related entity. E_Case_participant_class_cd = PAT & R_Case_related_party_class_cd = PAT. Address use = "HP" (Primary Home) or default. Map value to Address Part Type = ZIP [SP 0000]	
NOT109 NND Reporting State	State reporting the notification.	E_Responsive_party/st	Required Field Applies to row where P_Responsive_party_class_cd = PAT (Patient) and R_Responsive_party_cd = PAT (Patient State).	
INV187 Case Report County Code	The county that reported the Case.	R_Responsive_party_address	P_Responsive_party_class_cd = A/UT and R_Responsive_party_cd = "Reporting Office". Address use = "VP" default. Map value to Address Part Type = CPA (County or Parish).	COUNTY_CD
DEMT65 County Code	The county of residence of the case subject or entity.	E_Case_related_party_address	When Flagged = "HOME" & Place linked to Patient. Patient has case related entity. E_Case_participant_class_cd = PAT & R_Case_related_party_class_cd = PAT. Address use = "HP" (Primary Home) or default. Map value to Address Part Type = CPA (County or Parish).	COUNTY_CD
INV107 Case Jurisdiction Code	Identifier for the physical site from which the report is being submitted.	A_Case_observation_value	Required Field Applies to row where P_Responsive_party_class_cd = PAT (Patient) and R_Responsive_party_cd = PAT (Patient State). Observation datatype is CV.	S_JURISD_C
INV108 Case Program Area Code	The organizational nomenclature of the notification. Program standing & nomenclature (STD) are defined at the state-level by the conditions for which they provide primary prevention and control.	E_Responsive_party_cd	Applies to row where P_Responsive_party_class_cd = "RESIP (Responsible)", and R_Responsive_party_cd = "Program Area".	S_PROGRA_C
NTF139 Notification Unique ID	The system assigned local ID of the notification record.	A_Control_event_id	Required Field Make sure to use the proper UID for the identifier.	

Unique ID	Unique Short Name	Description (Generic Message)	Class/Attribute	Comments	SRT
INV157	Person Local ID	The local ID of the subject/identity of the case.	A_Case_observation_value	Required Field Actor = INV179 (Person Local ID) Observation datatype is ST. The observation shall include the identifier root.	SRT
INV168	Investigation Local ID	The local ID of the investigation that the case was assigned through NEISS.	A_Case_observation_value	Required Field Actor = INV168 (Investigation Local ID) Observation datatype is ST. The observation should include the complete ID for the outbreak, including the UID in the identifier root.	
INV173	State Case ID	States use this field to link NEISS (NETSS) investigators back to their own state investigators.	A_Public_health_caseid		
INV169	Condition Code	Code for disease or condition being reported (e.g. for Measles notification, code will be 1000 for Measles (I0140). Required field.	A_Public_health_caseof	Required Field Value the code component of the CV datatype.	PHC_TYPE
INV170	Condition Code Desc	Textual description of the condition or disease for which the investigation is done. Required field by condition, laboratory or facility reports (e.g. "Meningitis").	A_Public_health_caseof	Value the description component of the CV datatype.	
INV164	Case Group Case Count	The number of cases being reported in a single report (=1).	A_Case_observation_value	Required Field Actor = INV164 (Case Group Case Count) Observation datatype is INT. For all individual cases, the value is "1".	
INV177	Date First Reported PHD	The earliest date the case was reported to a public health department.	A_Case_observation_value	Required Field Actor = INV177 (Date First Reported to Public Health) Observation datatype is TS. The actual value for this report is INV120, or for cases reported to PHD (Date First Reported to CDC) the value is "1".	
INV176	Date of First Report to CDC	The date the case was first reported to the CDC.	A_Case_observation_value	Required Field Actor = INV176 (Date First Reported to CDC) Observation datatype is TS.	
INV163	Case Class Status Code	Indicator of the level of certainty regarding whether a period is defined by CSTE/CDC Standard Case Definition. For example: Confirmed, Probable or Suspect case.	A_Case_observation_value	Required Field Actor = INV163 (Case Class Status Code) Observation datatype is CV.	PHC_CLASS
INV109	Case Investigation Status Code	The status of the investigation. For example, open or closed.	A_Public_health_casestatus_cd		PHC_IN_STS
INV171	Case Outcome Code	Did the patient die as a result of this illness/event? Indicates disposition of subject of the report.	A_Case_observation_value	Required Field Actor = INV171 (Case Outcome) Observation datatype is CV.	YNU
INV152	Case Disease Reported Code	Indication of where the disease/condition was first acquired.	A_Public_health_casimpo		PHC_IMPT
INV150	Case Outbreak Indicator	Denotes whether the reported case was associated with an identified outbreak.	A_Case_observation_value	Required Field Actor = INV150 (Case Part of an Outbreak) Observation datatype is CV.	YNU

Unique ID	Unique Short Name	Description (Generic Message)	Class/Attribute	Comments	SRT
LAB179	Case Outbreak Name	A name assigned to an individual outbreak (State assigned in SRT. Should show only those outbreaks for the program area of the investigation).	A_Case_observation_value	Actor = INV151 (Outbreak Name) Observation datatype is ST	OUTBREAK_NM
INV137	Date of Onset Illness	Date of illness onset. Reported date of the onset of symptoms of the condition being reported to the public health system.	A_Public_health_casetime	This will be the Low end point of the time interval.	
INV136	Diagnosis Date	Date of diagnosis or condition being reported to public health system.	A_Case_observation_obsrvy_time	Actor = INV136 (Diagnosis) Observation datatype is CV.	YNU
INV128	Was the patient hospitalized as a result of the event?	Was the patient hospitalized as a result of this event?	A_Case_observation_value	Actor = INV128 (Hospitalization) Observation datatype is CV.	ANNATOMIC_SIT
LAB166	Specimen Site/Source	The indicates the physical location of the specimen source. Examples include: Right Internal Jugular, Left Arm, Buttock, Right Ear, etc.	A_Case_observation_value	Part of Repeating Block (lab result) Actor = LAB166 (Specimen Site/Source) Observation datatype is CV (The observation is linked, not to the case, but to the lab test observation.)	E
LAB165	Specimen Type	This is the medium from which the specimen originated. Examples include whole blood, saliva, urine, etc.	A_Case_observation_value	Part of Repeating Block (lab result) Actor = LAB165 (Specimen Type) Observation datatype is CV (The observation is linked, not to the case, but to the lab test observation.)	SPECIMN_SRC
LAB163	Date of Specimen Collection	Date of specimen collection. Data specimen was collected for testing to define clinical presentation or to diagnose illness being reported to public health system.	A_Case_observation_value	Part of Repeating Block (lab result) Actor = LAB163 (Date of Specimen Collection) Observation datatype is TS	
LAB101	Lab Test Result	The lab test that was run on the specimen.	A_Case_observation_value	Part of Repeating Block (lab result) This observation is linked directly to the case.	LAB_TEST
LAB192	Coded Test Result	This is the main code symbol, e.g. "724" or the code symbol of the ICD-9 code "724.0" for measles.	A_Case_observation_value	Part of Repeating Block (lab result) This observation is linked directly to the case. Only one type of observation value will be included.	
LAB102	Test Test Result	This is the text or phrase used as the basis for the coding. The original text exists in a container where an originator of the information does not assign a code, but where the code is assigned later by a coder (post-coding) in the production of a code.	A_Case_observation_value	Part of Repeating Block (lab result) This observation is linked directly to the case. Only one type of observation value will be included.	
LAB114	Number Test Result		A_Case_observation_value	Part of Repeating Block (lab result) This observation is linked directly to the case. Only one type of observation value will be included.	
LAB108	Lab Result Date	The date and time the test result was achieved.	A_Case_observation_activity_time	Part of Repeating Block (lab result) This observation is linked directly to the case. Only one type of observation value will be included.	

Unique ID	Unique Short Name	Description (Generic Message)	Class/Attribute	Comments	SRT
LAB154	Ordering Facility Reporting Source Type Code	Ordering Facility Reporting Source Type	E_Case_report_organizational	Part of Reporting Block (see result). Where P_observation_organization is related to the observation for the lab report (factcd = value found in LAB101), not to the case.	PHC_RPT_SRC
LAB155	Ordering Facility Reporting Source Type Source	Ordering Facility Reporting Source Type	E_Case_report_organizational	Part of Reporting Block (lab result). Where P_observation_participant = "RESPTGOV". Note, the organization is related to the observation for the lab report (factcd = value found in LAB101), not to the case.	PHC_RPT_SRC
DEM133	Primary Occupation	Person's primary occupation at the time of the event.	A_Case_observation_value	factcd = DEM133 (Primary Occupation) Observation	P_OCCUP
DEM113	Current Sex Code	Person's current sex.	A_Case_report_person	factcd = CV.	SEX
DEM152	Face Category Code	Reported race, supports collection of multiple race categories. The field could repeat.	A_Case_report_person_race_cd	Where P_Case_participant_type_cd = PAT	P_RACE_CAT
DEM156	Ethnic Group Code	Reported ethnicity.	A_Case_report_person_ethnic_group_cd	Where P_Case_participant_type_cd = PAT	P_ETHN
DEM115	Birth Time	Reported date of birth of subject.	A_Case_report_person_birth_time	Where P_Case_participant_type_cd = PAT	
LAB180	Age Reported	The person's reported age at the time of event.	A_Case_observation_value	factcd = LAB180 (Age Reported) Observation datatype is PQ. Value the amount component of the attribute.	AGE_UNIT
LAB181	Age Reported Unit Code	Age type for related age (units for reported age, e.g. days, months, years)	A_Case_observation_value	factcd = LAB180 (Age Reported) Observation datatype is PQ. Value the units component of the attribute.	AGE_CAT
DEM122	Age Category Code	Code depicting the age category to which a person/event belongs at the time of the reported event.	A_Case_observation_value	factcd = DEM122 (Age Category) Observation datatype is CV.	
DEM137	Education Level Code	Highest level of education a person achieved at the time of the event.	A_Case_observation_value	factcd = DEM122 (Age Category) Observation datatype is CV.	P_EDUC_LVL
DEM135	Adults in house number	Number of adults living in person's residence reported in household. Subject reported is included in that number, if an adult.	A_Case_observation_value	factcd = DEM135 (Number of Adults in House) Observation datatype is INT.	
DEM136	Children in house number	Number of children living in person's residence. Number of children (age < 13 years) in subjects reported household. Subject reported is included in that number, if a child.	A_Case_observation_value	factcd = DEM136 (Number of Children in House) Observation datatype is INT.	

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6. Notes on Message Implementation

At a high level, implementation of a standard message, involves getting data from the database of a sender — where it is managed by some application or set of applications, into the database of a receiver. A high level diagram of the steps involved is shown below.

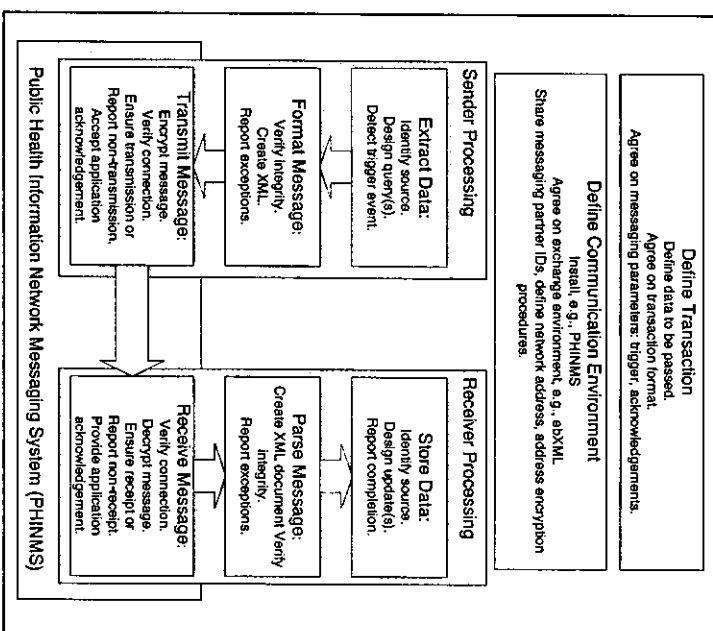


Figure 1. Message Implementation Process

However, the reader should note that, since this implementation guide is designed for states and other parties who provide Notification Messages, the discussion will be mostly oriented towards issues related to sender processing.

6.1. Setting the Context for Messaging

The first step in message implementation is to ensure that the parties involved share a common context for communication. This implementation guide is one piece of that process, as is the work in standards development started by NEDSS and continued by the PHIN.

Define Transaction

Data definition, specification of the transaction format, and determination of trigger events are specified in the Notification Messaging Basic Description, this implementation guide, and in the descriptive documentation provided by the HL7 Version 3 ballot package. The Basic Description notes that an acknowledgement message is included. However, currently only a transmission acknowledgement is supported – this acknowledgement is covered in the PHINMS documentation.

Define Communication Environment

The PHIN Messaging System (PHINMS) has been set up to implement an environment in which communication between public health data systems is possible. CDC will use the PHINMS to support the receiver side of Notification Messaging. Therefore, if the party who creates and transmits notifications uses the PHINMS as well, then communications issues will be negotiated in the process of installing and configuring the PHINMS. If the notification message sender chooses not to install the PHINMS, they will need to use the PHINMS documentation to emulate the behavior of a PHINMS sender. Note, many of the issues involved can be addressed by making use of the ebXML messaging standard.

Once a transaction specification is in hand and understood, and the ability to exchange XML documents (messages) has been put into place (or assured), the actual process of message implementation can begin.

6.2. Creating Message Instances

In the diagram above, senders are shown first extracting data from their database, and then formatting this data into a message. These are clearly different tasks, and involve different considerations. They may be carried out and supported by different groups within an organization. However, the two tasks are also clearly inter-related, since the way or ways in which data is extracted from the database will clearly impact the kinds of transformations that are needed to populate an HL7 compliant XML document. People working on the implementation of HL7 Version 3 messages have described two polar approaches to accomplishing the task of extraction and formatting:

1. Create a data structure that directly emulates the format of the desired message by constructing the appropriate query or coordinated set of queries. The goal is to have an array of data elements that can be directly "plopped" into a document conformant to the XML schema. The process of supporting the XML schema might simply involve populating the structure with the needed structural attributes, and ensuring the integrity of the choice of OIDs and coded values.
2. Extract data in as simple a form as possible. Then create a transform that will create the desired structure. In some cases, XSL Transforms will do the job. If the starting point is an XML document, the goal here is to make the process of getting data out of the database as easy as possible. On the other hand, the transform required could be quite messy. In some cases, this kind of approach could involve a multi-stage transform. That is to say, move from the starting point to the final document format through several independent step rather than through a single transform.

Given that a wide range of data will need to be extracted and marshaled for use in the message, it is possible for the actual data extract to take place in stages, rather than all at once. This would be required, if the data to be passed was not all stored in a single database.

The choice of how to do the extraction and document creation process will be strongly affected by the tools available for working with XML documents and linking document schemas to source databases. There is a wide and growing range of tools that are available. However, since the HL7 Version 3 messages make use of many advanced XML features, it is important to ensure that any tool that is selected will actually meet the messaging needs.

1 Refer to the document [An Overview of the PHINMS](#) for more details.

Three key aspects of creation of a conformant message are worth mentioning. These are major features of HL7 V3 to be kept in mind.

- **Conformance to the Message Structure:** Broadly speaking, the message specification defines data items as attributes of the case, attributes of observations or other acts related to the case, or attributes of entities or roles related either to the case, or to an act related to the case. Data to be included in the message needs to be mapped to the proper location within the message structure, and the elements that hold the structure together, e.g., associations, structural attributes, need to be in place.
- **Use of Vocabulary Items:** Many Notification Message attributes are coded, as are many of the observation values that are passed. The message specification defines a value set or coding system for each, and provides OIDs that are used to identify these vocabulary items. It is important to ensure that the attributes values that are passed are valid codes within the prescribed coding system or value set. It is also important to provide the correct OID to ensure proper identification of the code system or value set.
- **Proper Identification through OIDs:** As noted above, Object Identifiers – OIDs are used to properly identify significant objects, identifier namespaces, and vocabulary items. The OIDs to be used are provided in this document, and need to be used in order to assure interoperability.

It is also important to work out issues of message triggering. Will the application trigger message transmission automatically, or does sending a notification require human intervention?

6.3. Working with the PHINMS

Once a satisfactory message has been created and validated, it needs to be passed to the system taking responsibility for transport. If PHINMS has been chosen to support this function, a place to put the message – the Transport Queue – has been provided. The transport queue provides a logical structure within which to place key message information, e.g., sender ID, receiver ID, message ID, along with the message contents, so that the PHINMS can process it. Implementers should refer to the [PHINMS Client Transport Queue Table](#) within the documentation for the PHINMS.

The PHINMS will handle message encryption, and the establishment of a connection with another PHINMS instance for the purpose of data exchange. The PHINMS also has the ability to process communications acknowledgements, and to pass application acknowledgements back to the sending application.

If a message sender chooses not to use the PHINMS, it will be necessary to refer to the PHINMS documentation to determine how to configure the chosen application to communicate with the PHINMS as message receiver.

『電子カルテの相互運用に向けたHL7メッセージの開発および管理・流通手法に関する研究』

分担研究報告書

「感染症関連HL7 v3 メッセージの開発」

添付資料 3

感染症管理システム・感染症サーベイランスシステム向けメッセージ項目調査 (抜粋)
NICU 部門向けメッセージ項目

No	項目名	length	仕様	必須区分	備考
1	施設コード	5	医療施設コード、県コード2桁 他3桁	必須	
2	子区分	1	0:施設情報		
3	エラーフラグ	4			
4	責任者氏名	50			
5	所属	50			
6	電話番号	20			
7	e-mail	50			
8	施設名称	50			
9	報告子区分作成年月	8	YYYYmdd		
10	ソフトエフVer	8	NICU200		