

#### **4.21. PHVS\_BM\_SERO\_GRP**

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_BM\_SERO\_GRP

OID: 2.16.840.1.114222.4.11.36

Based on code system: PH\_BM\_SERO\_GRP

Code System OID: 2.16.840.1.114222.4.5.35

Functional Description

*These will be added later.*

PHVS\_BM\_SERO\_GRP Table Codes

*The table of values will be added later.*

#### **4.23. PHVS\_BM\_SPEC\_ISOL**

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_BM\_SPEC\_ISOL

OID: 2.16.840.1.114222.4.11.38

Based on code system: PH\_BM\_SPEC\_ISOL

Code System OID: 2.16.840.1.114222.4.5.37

Functional Description

*These will be added later.*

PHVS\_BM\_SPEC\_ISOL Table Codes

*The table of values will be added later.*

#### **4.22. PHVS\_BM\_SERO\_TYPE**

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_BM\_SERO\_TYPE

OID: 2.16.840.1.114222.4.11.37

Based on code system: PH\_BM\_SERO\_TYPE

Code System OID: 2.16.840.1.114222.4.5.36

Functional Description

*These will be added later.*

PHVS\_BM\_SERO\_TYPE Table Codes

*The table of values will be added later.*

#### **4.24. PHVS\_BM\_SUSC\_MT**

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_BM\_SUSC\_MT

OID: 2.16.840.1.114222.4.11.39

Based on code system: PH\_BM\_SUSC\_MT

Code System OID: 2.16.840.1.114222.4.5.38

Functional Description

*These will be added later.*

PHVS\_BM\_SUSC\_MT Table Codes

*The table of values will be added later.*

#### **4.25. PHVS\_BM\_UNDERL\_CAUSE**

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_BM\_UNDERL\_CAUSE

OID: 2.16.840.1.114222.4.11.40

Based on code system: PH\_BM\_UNDERL\_CAUSE

Code System OID: 2.16.840.1.114222.4.5.39

Functional Description

*These will be added later.*

PHVS\_BM\_UNDERL\_CAUSE Table Codes

*The table of values will be added later.*

#### **4.26. PHVS\_COUNTY\_CCD**

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_COUNTY\_CCD

OID: 2.16.840.1.114222.4.11.47

Based on code system: FIPS\_COUNTY

Code System OID:

Functional Description

*These will be added later.*

PHVS\_COUNTY\_CCD Table Codes

*The table of values will be added later.*

#### **4.27. PHVS\_CRIS\_IGG\_DIFF**

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_CRIS\_IGG\_DIFF

OID: 2.16.840.1.114222.4.11.48

Based on code system: PH\_CRIS\_IGG\_DIFF

Code System OID: 2.16.840.1.114222.4.5.40

Functional Description

*These will be added later.*

PHVS\_CRIS\_IGG\_DIFF Table Codes

*The table of values will be added later.*

#### **4.28. PHVS\_CRIS\_NO\_CASE\_RSN**

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_CRIS\_NO\_CASE\_RSN

OID: 2.16.840.1.114222.4.11.49

Based on code system: PH\_CRIS\_NO\_CASE\_RSN

Code System OID: 2.16.840.1.114222.4.5.41

Functional Description

*These will be added later.*

PHVS\_CRIS\_NO\_CASE\_RSN Table Codes

*The table of values will be added later.*

#### **4.29. PHVS\_CRIS\_VAC\_INFO**

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_CRIS\_VAC\_INFO

OID: 2.16.840.1.114222.4.11.51

Based on code system: PH\_CRIS\_VAC\_INFO

Code System OID: 2.16.840.1.114222.4.5.42

Functional Description

*These will be added later.*

PHVS\_CRIS\_VAC\_INFO Table Codes

*The table of values will be added later.*

### 4.30. PHVS\_CULT\_SITE\_GBS

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_CULT\_SITE\_GBS

OID: 2.16.840.1.114222.4.11.52

Based on code system: PH\_CULT\_SITE\_GBS

Code System OID: 2.16.840.1.114222.4.5.43

Functional Description

*These will be added later.*

PHVS\_CULT\_SITE\_GBS Table Codes

*The table of values will be added later.*

### 4.31. PHVS\_DUR\_UNIT

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_DUR\_UNIT

OID: 2.16.840.1.114222.4.11.56

Based on code system: PH\_DUR\_UNIT

Code System OID: 2.16.840.1.114222.4.5.44

Functional Description

*These will be added later.*

PHVS\_DUR\_UNIT Table Codes

*The table of values will be added later.*

### 4.32. PHVS\_EL\_TYPE

Table Content: Compound Value Set

Value Set Definition:

Value Set: PHVS\_EL\_TYPE

OID: 2.16.840.1.114222.4.11.228

- Component #1:
  - Value Set: PHVS\_EL\_TYPE CDC
  - OID: 2.16.840.1.114222.4.11.61
  - Based on code system: PH\_EL\_TYPE

- Code System OID: 2.16.840.1.114222.4.5.1
- Component #2:
  - Value Set: PHVS\_EL\_TYPE\_HL7
  - OID: 2.16.840.1.114222.4.11.62
  - Based on code system: Entity/IDType
  - Code System OID: 2.16.840.1.113883.5.148

Functional Description

This Value Set comprises all legal values for Entity/ID Type codes: it is drawn from two coding systems, a CDC coding system and an HL7 coding system. These values describe the semantic type of an Identifier, such as Social Security Number or Account Number. Note that the codes in this table are drawn from two different coding systems, an internal CDC coding system and an HL7 Version 3 coding system, therefore the OID for the appropriate coding system is shown in the table

PHVS\_EL\_TYPE\_HL7 Table Codes

Public Health Entity Identifier Type Values

CodeSystem	Code	Term
------------	------	------

CodeSystem	Code	Term
2.16.840.1.113883.5.148	AN	Account number
2.16.840.1.113883.5.148	AS	Alias social security number
2.16.840.1.113883.5.148	BR	Birth registry number
2.16.840.1.113883.5.148	CI	CHIP Identification number
2.16.840.1.113883.5.148	DL	Driver's license number
2.16.840.1.113883.5.148	DN	Doctor number
2.16.840.1.113883.5.148	EI	Employee number
2.16.840.1.113883.5.148	EN	Employer number
2.16.840.1.113883.5.148	FI	Facility ID
2.16.840.1.113883.5.148	GI	Guarantor Internal Identifier
2.16.840.1.113883.5.148	GN	Guarantor external Identifier
2.16.840.1.114222.4.5.1	LID	Local/ NEDSS Identifier
2.16.840.1.113883.5.148	LN	License number
2.16.840.1.113883.5.148	LR	Local registry ID
2.16.840.1.113883.5.148	MA	Medical number
2.16.840.1.113883.5.148	MC	Medicare number
2.16.840.1.114222.4.5.1	MID	Manufacturer Identifier
2.16.840.1.114222.4.5.1	MLN	Manufacturer Lot Number
2.16.840.1.113883.5.148	MR	Medical record number
2.16.840.1.113883.5.148	MSSN	Mother's social security number
2.16.840.1.113883.5.148	NE	National employer Identifier
2.16.840.1.113883.5.148	NH	National health plan Identifier
2.16.840.1.113883.5.148	NI	National unique individual Identifier
2.16.840.1.113883.5.148	NN	National person identifier xxx is ISO country code
2.16.840.1.113883.5.148	NPI	National provider Identifier
2.16.840.1.114222.4.5.1	OTH	Other
2.16.840.1.113883.5.148	PI	Patient Internal Identifier
2.16.840.1.113883.5.148	PN	Prison Identification number
2.16.840.1.113883.5.148	PN	Person number
2.16.840.1.113883.5.148	PRN	Provider number
2.16.840.1.113883.5.148	PT	Patient external Identifier
2.16.840.1.113883.5.148	RR	Railroad retirement number
2.16.840.1.113883.5.148	RRI	Regional registry ID
2.16.840.1.113883.5.148	RW	Ryan White Identifier
2.16.840.1.113883.5.148	SL	State license
2.16.840.1.113883.5.148	SR	State registry ID
2.16.840.1.113883.5.148	SS	Social security number
2.16.840.1.113883.5.148	U	Unspecified
2.16.840.1.113883.5.148	UPIN	Medicare/HCPA's universal physician Identifier No.
2.16.840.1.113883.5.148	VN	Visit number
2.16.840.1.113883.5.148	VS	VISA

CodeSystem	Code	Term
2.16.840.1.113883.5.148	WC	W/C Identifier
2.16.840.1.113883.5.148	XX	Organization Identifier

### 4.33. PHYS\_H\_BLDNCNTC\_FREQ

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHYS\_H\_BLDNCNTC\_FREQ

OID: 2.16.840.1.114222.4.11.78

Based on code system: PH\_H\_BLDNCNTC\_FREQ

Code System OID: 2.16.840.1.114222.4.5.45

Functional Description

These will be added later.

PHYS\_H\_BLDNCNTC\_FREQ Table Codes

The table of values will be added later.

### 4.34. PHYS\_H\_CONTACT\_TY

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHYS\_H\_CONTACT\_TY

OID: 2.16.840.1.114222.4.11.79

Based on code system: PH\_H\_CONTACT\_TY

Code System OID: 2.16.840.1.114222.4.5.46

Functional Description

These will be added later.

PHYS\_H\_CONTACT\_TY Table Codes

The table of values will be added later.

### 4.35. PHYS\_H\_INCAR\_TY

Table Content: Simple Value Set

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.*

#### **4.50. 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.*

#### **4.51. 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.*

#### **4.52. 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\_AGE\_CAT**

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_P\_AGE\_CAT

OID: 2.16.840.1.114222.4.11.145

Based on code system: PH\_P\_AGE\_CAT

Code System OID: 2.16.840.1.114222.4.5.65

Functional Description

*These will be added later.*

PHVS\_P\_AGE\_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 that 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: 2.16.840.1.113883.6.86

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: 2.16.840.1.114222.4.11.166

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: 2.16.840.1.114222.4.11.170

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: 2.16.840.1.114222.4.11.168

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: 2.16.840.1.114222.4.11.171

- Component #1:
  - Value Set: PHVS\_PHC\_CONF\_M.CDC
  - OID: 2.16.840.1.114222.4.11.172
  - 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: 2.16.840.1.114222.4.11.129
  - 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\_SETTING**

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_PHC\_TRAN\_SETTING

OID: 2.16.840.1.114222.4.11.182

Based on code system: PH\_PHC\_TRAN\_SETTING

Code System OID: 2.16.840.1.114222.4.5.77

Functional Description

*These will be added later.*

PHVS\_PHC\_TRAN\_SETTING 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\_SPECIMN\_SRC

Table Content Compound Value Set

Value Set Definition:

Value Set: PHVS\_SPECIMN\_SRC

OID: 2.16.840.1.114222.4.11.209

- Component #1:
  - Value Set: PHVS\_SPECIMN\_SRC\_CDC
  - OID: 2.16.840.1.114222.4.11.210
- Based on code system: PH\_SPECIMN\_SRC
- Code System OID: 2.16.840.1.114222.4.5.88
- Component #2:
  - Value Set: PHVS\_SPECIMN\_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\_SPECIMN\_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\_NM**

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_VAC\_NM

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\_NM 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.*

#### PHVS\_VAC\_NOTG\_RSN Table Codes

*The table of values will be added later.*

### 4.91. PHVS\_WEIGHT\_UNIT

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_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.*

#### PHVS\_WEIGHT\_UNIT Table Codes

*The table of values will be added later.*

### 4.92. PHVS\_YN

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_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.*

#### PHVS\_YN Table Codes

*The table of values will be added later.*

### 4.93. PHVS\_YNU

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_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.*

#### PHVS\_YNU Table Codes

*The table of values will be added later.*

### 4.94. PHVS\_YR\_IN\_SCHOOL

Table Content: Simple Value Set

Value Set Definition:

Value Set: PHVS\_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.*

#### PHVS\_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.

Message ID/Unique Short Name	Description (Generic Message)	Class/Attribute	Comments	SRT
INV165 MMWR Week	MMWR Week (or which case information is to be counted for MMWR publication.	A_Case_observation_value	Required Field Acted = INV165 (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, secondary notification, notification, etc.)	A_Control_eventcd	Required Field	N_TYPE
NIET122 Version Number	NIEDSS Notification (message structure) format.	O_Message_version_id	Required Field When P_Case_participant_id indicates the reporting source use the code component of the CV datatype.	PHIC_BPT_SRT
NIET122 Reporting Source Type Code	Type of facility or provider associated with the source of information sent to Public Health.	E_Case_related_party_id	Use the NIEDSS assigned I root value.	T
DEMT63 Zip Code	The zip code of a residence of the case subject or entity.	E_Case_related_party_address	Where Place/cd = "HOME" & Place linked to Patient: Patient (as case related entity) P_Case_participant_cd = PAT & R_Case_related_party_cd = PAT. Address use = "HP" (Primary Home) or default. Map value to Address PartType = ZIP (ZIP code).	
NOT109 IAND Reporting State	State reporting the notification.	E_Responsable_party_nm	Required Field Where Place/cd = "HOME" & Place linked to Patient: Patient (as case related entity) P_Case_participant_cd = PAT & R_Case_related_party_cd = PAT. Address use = "HP" (Primary Home) or default. Map value to Address PartType = ZIP (ZIP code).	
INV187 Case Report County Code	The county that reported the Case.	R_Responsable_party_address	Where Place/cd = "HOME" & Place linked to Patient: Patient (as case related entity) P_Case_participant_cd = PAT & R_Case_related_party_cd = PAT. Address use = "HP" (Primary Home) or default. Map value to Address PartType = ZIP (ZIP code).	COUNTY_CCD
DEMT65 County Code	The county of residence of the case subject or entity.	E_Case_related_party_address	Where Place/cd = "HOME" & Place linked to Patient: Patient (as case related entity) P_Case_participant_cd = PAT & R_Case_related_party_cd = PAT. Address use = "HP" (Primary Home) or default. Map value to Address PartType = ZIP (ZIP code).	COUNTY_CCD
INV107 Case Jurisdiction Code	Identifier for the physical site from which the report is being submitted.	A_Case_observation_value	Required Field Acted = INV107 (Case Jurisdiction Code) Observation datatype is CV.	S_JURIDIC
INV108 Case Program Area Code	The organizational ownership of the investigation. Program areas (e.g. Immunization, STD) are defined at the state-level by the conditions for which they provide primary prevention and control.	E_Responsable_party_cd	Required Field Where Place/cd = "HOME" & Place linked to Patient: Patient (as case related entity) P_Case_participant_cd = PAT & R_Case_related_party_cd = PAT. Address use = "HP" (Primary Home) or default. Map value to Address PartType = ZIP (ZIP code).	S_PROGPA_C
NIET139 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 set.	

Unique ID/Unique Short Name	Description (Generic Message)	Class/Attribute	Comments	SRT
DEMR17 Person Local ID	The local ID or the sub-population of the case.	A_Case_observation: value	Required Field (Person Local ID) Observation datatype is ST. The observation should include the complete ID for the person, including the UID in the identifier role.	SRT
INV166	The local ID of the investigation that the case is associated with. Assigned through NEDSS.	A_Case_observation: value	Required Field Actcd = INV166 (Investigation Local ID) Observation datatype is ST. The observation should include the complete ID for the outbreak, including the UID in the identifier role.	
INV173	States use this field to link NEDSS (NETSS) investigations back to their own state investigations.	A_Public_Health_caseId	Required Field Value is the code component of the CV datatype.	PHC_TYPE
INV169	Condition Code Code for Massachusetts notification code will be code for Massachusetts (I0142). Required Field.	A_Public_Health_caseId	Required Field Value is 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 based. Such as HIV Infection, Tuberculosis or Acute Hepatitis B.	A_Public_Health_caseId	Value is the description component of the CV datatype.	
INV164	Case Group Count The number of cases being reported in a single record (=1).	A_Case_observation: value	Required Field Actcd = INV164 (Case Group Count) Observation datatype is INT. For all individual cases, the value is 1.	
INV177	Date First Reported The earliest date the case was reported to a public health department.	A_Case_observation: value	Required Field (Date First Reported to Public Health) Actcd = INV177 (Date First Reported to Public Health) Observation datatype is INT. It is the earlier of the dates for first report to local health (INV120), or for first report to the state (INV271).	
INV176	Date of First Report to CDC The date the case was first reported to the CDC.	A_Case_observation: value	Actcd = INV176 (Date First Reported to CDC) Observation datatype is TS.	
INV163	Case Class Status Code Indication of the level of certainty regarding whether a person has a disease/condition. Where applicable, is defined by CSTE/CDC Standard Case Definition. For example: Confirmed, Probable or Suspect case.	A_Case_observation: value	Actcd = 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_observation: value	Actcd = INV109 (Case Investigation Status Code) Observation datatype is CV.	PHC_IN_STS
INV171	Case Outcome Code The patient use as a result of the investigation. Indicates disposition of subject of the report.	A_Case_observation: value	Actcd = INV171 (Case Outcome) Observation datatype is CV.	YNU
INV152	Case Disease Imported Code Indication of where the disease/condition was first acquired.	A_Public_Health_observation: value	Actcd = INV152 (Case Part of an Outbreak) Observation datatype is CV.	PHC_IMPORT
INV150	Case Outbreak Indicator Indicates whether the reported case was associated with an identified outbreak.	A_Case_observation: value	Actcd = INV150 (Case Part of an Outbreak) Observation datatype is CV.	YNU

Unique ID/Unique Short Name	Description (Generic Message)	Class/Attribute	Comments	SRT
INV151 Case Outbreak Name	A name assigned to an outbreak outbreak. State assigned in SRT. Should show only name outbreak for the program area of the investigation.	A_Case_observation: value	Actcd = INV151 (Outbreak Name) Observation datatype is ST.	SRT OUTBREAK_NM
INV137	Date of Onset Interval Date of illness onset. Reported date of the onset of symptoms of the condition being reported to the public health system.	A_Public_Health_observation: time	The will be the low end point of the time interval.	
INV136	Diagnosis Date Date of diagnosis or condition being reported to the public health system.	A_Case_observation: time	Actcd = INV136 (Diagnosis) Observation datatype is CV.	YNU
INV128	Was the patient hospitalized as a result of the event? Yes/No	A_Case_observation: value	Actcd = INV128 (Hospitalization) Observation datatype is CV.	YNU
LAB166	Specimen Site/Source The indicates the physical location of the specimen. Examples include: Right Internal Jugular, Left Arm, Buttock, Right Eye, etc.	A_Case_observation: value	Part of Repeating Block (lab result) Observation datatype is CV. The observation is linked not to the case, but to the lab test observation.	ANATOMIC_SITE
LAB165	Specimen Type The medium from which the specimen originated. Examples include whole blood, saliva, urine, etc.	A_Case_observation: value	Part of Repeating Block (lab result) Observation datatype is CV. The observation is linked not to the case, but to the lab test observation.	SPECIMEN_SPEC
LAB163	Date of Specimen Collection Date of specimen collection. Date 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) Observation datatype is TS. The observation is linked, not to the case, but to the lab test observation.	LAB_TEST
LAB101	Lab Test Result The lab test that was run on the specimen.	A_Case_observation: value	Part of Repeating Block (lab result) Observation datatype is CV. The observation is linked not to the case, but to the lab test observation.	LAB_TEST
LAB192	Coded Test Result This is the main code symbol, e.g., "794.0" is the code symbol of the ICD-9 code "794.0" for pneumonia.	A_Case_observation: value	Part of Repeating Block (lab result) Observation datatype is CV. The observation is linked directly to the case. Only one type of observation value will be included.	
LAB102	Text Test Result This is the text or phrase used as the basis for the coding. The original text exists in a scenario 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 case.	A_Case_observation: value	Part of Repeating Block (lab result) Observation datatype is CV. The observation is linked directly to the case. Only one type of observation value will be included.	
LAB114	Number Test Result This is the numerical value of the test result.	A_Case_observation: value	Part of Repeating Block (lab result) Observation datatype is CV. The observation is linked directly to the case. Only one type of observation value will be included.	
LAB108	Jan Result Date The date and time the test result was achieved.	A_Case_observation: time	Part of Repeating Block (lab result) Observation datatype is CV. The observation is linked directly to the case. Only one type of observation value will be included.	