

5.2.1 Guideline A - Vital Signs (Observation Names and Values)

Vital Signs Name (Observation Name)

Recommendation:

LOINC should be used as the standard coding system to identify the vital sign observation.

Alternative 1:

The SNOMED CT expression associated with a LOINC code for a vital sign may be used.

Alternative 2:

SNOMED CT concepts from the 46680005 |Observable entity| hierarchy may be used.

Vital Signs Result (Observation Value)

Recommendation:

Many vital signs are physical quantities and will thus be represented by numbers and units.

Where a vital sign observation requires a coded value SNOMED CT should be used as the standard coding system for such result values.

Examples

Example 1: An example value set for vital sign result type in PHIN-VADS (CDC)

Table 5.2.1-1: Value Set Code PHVS_VitalSignResult_HITSP

Concept Code	Concept Name	Preferred Concept Name	Code System Name
8310-5	Body Temperature	Body temperature:Temp:Pt:^Patient:Qn:	LOINC
8462-4	BP Diastolic	Intravascular diastolic:Pres:Pt:Arterial system:Qn:	LOINC
8480-6	BP Systolic	Intravascular systolic:Pres:Pt:Arterial system:Qn:	LOINC
8287-5	Head Circumference	Circumference.ocipital-frontal:Len:Pt:Head:Qn:Tape measure	LOINC
8867-4	Heart Rate	Heart beat:NRat:Pt:XXX:Qn:	LOINC
8302-2	Height	Body height:Len:Pt:^Patient:Qn:	LOINC
8306-3	Height (Lying)	Body height^lying:Len:Pt:^Patient:Qn:	LOINC
2710-2	O2 % BldC Oximetry	Oxygen saturation:SFr:Pt:BldC:Qn:Oximetry	LOINC
9279-1	Respiratory Rate	Breaths:NRat:Pt:Respiratory system:Qn:	LOINC
3141-9	Weight Measured	Body weight:Mass:Pt:^Patient:Qn:Measured	LOINC

<https://phinvads.cdc.gov/vads/ViewValueSet.action?id=7FFDBFB5-A277-DE11-9B52-0015173D1785#>

