

New concept proposal

Follow Up, Vital Status

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Dataset release	2024.1	Consulted expert	-

1 Rationale

Patients are followed up by hospital health care professionals after medical interventions. Usually, the follow up is a patient visit at the clinic or a telephone call by a health care person. During a visit, there might be procedures performed and the corresponding data can be instantiated in existing data concepts. However, the SPO NDS needs to capture the information if a patient is alive, dead or lost to follow up, and this can currently not be represented. The proposed concepts of *Follow Up* and *Vital Status* will enable representing the information needed.

2 Comparison to other standards/data models

2.1 SNOMED CT

The following SNOMED CT codes for follow up and related outcomes are present: 185389009 |Follow-up visit (procedure)| 439740005 |Postoperative follow-up visit (procedure)|; 386473003 |Telephone follow-up (procedure)| 281036007 |Follow-up consultation (procedure)| 438949009 |Alive (finding)| 399307001 |Lost to follow-up (finding)|

2.2 UMLS Metathesaurus

UMLS provides a definition of vital status: The state or condition of being living or deceased; also includes the case where the vital status is unknown (NCI).



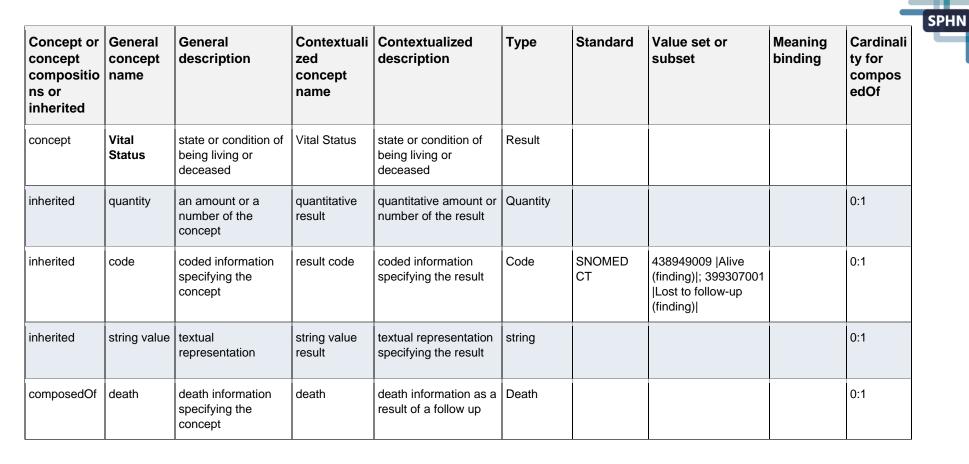




3 Concept information

Concept or concept composition s or inherited	General concept name	General description	Contextualiz ed concept name	Contextualized description	Туре	Standard	Value set or subset	Meaning binding	Cardinalit y for compose dOf
concept	Follow Up	procedure for following up on the patient status	Follow Up	procedure for following up on the patient status				185389009 Follow-up visit (procedure)	
composedOf	code	coded information specifying the concept	follow up method	way of following up, e.g. telephone call	Code	SNOMED CT	386473003 Telephone follow-up (procedure) ; 281036007 Follow-up consultation (procedure)		0:1
composedOf	datetime	datetime of the concept	follow up datetime	datetime of follow up call or visit	temporal				0:1
composedOf	result	evaluation outcome associated to the concept	follow up result	outcome of the follow up procedure	Vital Status				1:1





Swiss Personalized Health Network

General concept name	Cardinality for concept to Administrative Case	Cardinality for concept to Data Provider Institute	Cardinality for concept to Subject Pseudo Identifier	Cardinality for concept to Source System
Follow Up	-	1:1	1:1	1:1
Vital Status	-	1:1	1:1	1:1

SPHN Swice Perconalized Health Network	3 1 /1
SPHN Swiss Personalized Health Network	5 4
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4 Impact on the SPHN Dataset

None.

5 Discussion

The SPO NDS submitted the concept *Survival Status* for representing data coming from the SCORED database. However, the proposed concept of *Survival Status* would have resulted in an overlap with the new *Death* concept. Therefore, the concepts of *Follow Up* and *Vital Status* have been developed instead. They represent the process of following up a patient's status as well as the outcome (vital status). The *Vital Status* concept links to the *Death* concept which will be instantiated in case a patient's status of death is captured in the source data.

6 Example

Follow Up example 1: The patient had a follow up visit.

code: 281036007 |Follow-up consultation (procedure)|

datetime: 27.09.2023 result: (Vital Status)

code: 438949009 |Alive (finding)|

Follow Up example 2: The patient has been contacted by telephone but does not answer.

code: 386473003 |Telephone follow-up (procedure)|

datetime: 15.09.2023 result: (Vital Status)

code: 399307001 |Lost to follow-up (finding)|

Follow Up example 3: The patient has been contacted by telephone, a relative answered and provided the information that the patient died.

code: 386473003 |Telephone follow-up (procedure)|

datetime: 05.01.2023 result: (Vital Status) death: (Death)

report datetime: 05.01.2023

death datetime:
Year: -

Month: -Day: -Time: -

circumstance code: condition code: -





