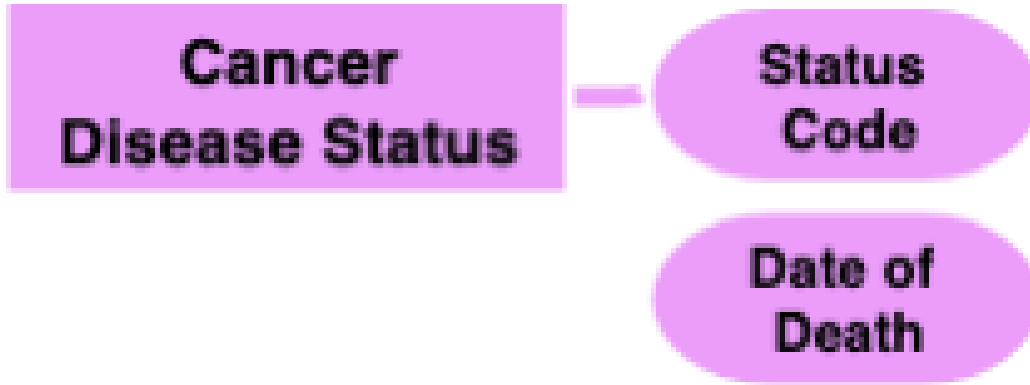


Outcome Category



Overview

- Outcomes of cancer treatment.

Profiles:

- CancerDiseaseStatus

Profile: CancerDiseaseStatus

<http://hl7.org/fhir/us/mcode/StructureDefinition-mcode-cancer-disease-status.html>

- **Base FHIR Resource:** Observation
- **Derived from:** Observation
- **Description:** A clinician's qualitative judgement on the current trend of the cancer.
- **mCODE-specific Attribute Constraints:**
 - basedOn reference is restricted to (ServiceRequest | MedicationRequest)
 - partOf reference is restricted to (MedicationAdministration | MedicationStatement | Procedure)
 - Subject is required, *must support* and references (Cancer Patient)
 - Focus references (Cancer Condition Parent)
 - Status is *must support*
 - Code is *must support* and is fixed to LOINC#88040-1 "Response to cancer treatment"
 - Effective[x] is *must support* and is restricted to dateTime and Period
 - Performer reference is restricted to (US Core Practitioner Profile)
 - Value[x] is restricted to valueCodeableConcept and is *must support*
 - bodySite, specimen, device, referenceRange, hasMember, and component are zeroed out
- **mCODE-specific Extensions:**
 - mcode-evidence-type
- **mCODE-specific Slices:** none
- **mCODE-specific ValueSets:**
 - valueCodeableConcept is bound to Condition Status Trend Value Set (required)

The screenshot displays the HL7 FHIR Structure Definition tool interface for the profile 'CancerDiseaseStatus'. The top navigation bar includes 'Test Summary', 'Differentiated Table', 'Snapshot Table', and 'All'. Below this, a table lists the profile's elements and their constraints. The table has columns for Name, Flag, Card, Type, and Description & Constraints. Key elements include 'status' (type: code, constraint: must support, fixed to LOINC#88040-1), 'effective[x]' (type: dateTime or Period, constraint: must support), 'performer' (type: Practitioner, constraint: must support, restricted to US Core Practitioner Profile), and 'value[x]' (type: CodeableConcept, constraint: must support, bound to Condition Status Trend Value Set).

Other Notes of Interest:

- This profile is meant to represent the current trend of the cancer as a whole, not the response to a specific treatment
- The LOINC code chosen to represent this observation (88040-1) does not precisely match the meaning of the profile; however, it's the closest available at the present time. The current LOINC code is more granular than the definition of the profile and a new LOINC code has been requested to represent cancer disease status.
- The **basedOn**, **partOf**, **performer**, **subject**, **focus**, **value[x]**, and **effective[x]** attributes are restricted so references that would not be logical for this profile are not allowed.
- **bodySite**, **specimen**, **device**, **referenceRange**, **hasMember**, and **component** are zeroed out because including a data element for this attributes would not be logical for this profile.
- The purpose of **mcode-evidence-type** is to signify what kind of evidence was used as input to clinical judgement. This is the S and O in SOAP.