

Health & Care Information Model:

nl.zorg.TobaccoUse-v3.1

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Content

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1. nl.zorg.TobaccoUse-v3.1

| | |
|---------------------------------|--|
| DCM::CoderList | Kerngroep Registratie aan de Bron |
| DCM::ContactInformation.Address | * |
| DCM::ContactInformation.Name | * |
| DCM::ContactInformation.Telecom | * |
| DCM::ContentAuthorList | Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron |
| DCM::CreationDate | 5-7-2012 |
| DCM::DeprecatedDate | |
| DCM::DescriptionLanguage | nl |
| DCM::EndorsingAuthority.Address | |
| DCM::EndorsingAuthority.Name | PM |
| DCM::EndorsingAuthority.Telecom | |
| DCM::Id | 2.16.840.1.113883.2.4.3.11.60.40.3.7.2 |
| DCM::KeywordList | social history, sociale anamnese, roken, tabak |
| DCM::LifecycleStatus | Final |
| DCM::ModelerList | Kerngroep Registratie aan de Bron |
| DCM::Name | nl.zorg.TabakGebruik |
| DCM::PublicationDate | 31-12-2017 |
| DCM::PublicationStatus | Published |
| DCM::ReviewerList | Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron |
| DCM::RevisionDate | 31-12-2017 |
| DCM::Superseeds | nl.zorg.TabakGebruik-v3.0 |
| DCM::Version | 3.1 |
| HCIM::PublicationLanguage | EN |

1.1 Revision History

Publicatieversie 1.0 (15-02-2013)

Publicatieversie 1.1 (01-07-2013)

Publicatieversie 1.2 (01-04-2015)

Bevat: ZIB-118, ZIB-142, ZIB-158, ZIB-167, ZIB-236, ZIB-237, ZIB-308, ZIB-346.

Incl. algemene wijzigingsverzoeken:

ZIB-94, ZIB-154, ZIB-200, ZIB-201, ZIB-309, ZIB-324, ZIB-326.

Publicatieversie 1.2.1 (22-05-2015)

Bevat: ZIB-379.

Publicatieversie 3.0 (01-05-2016)

Bevat: ZIB-453.

Publicatieversie 3.1 (04-09-2017)

Bevat: ZIB-474, ZIB-488, ZIB-505, ZIB-512, ZIB-562, ZIB-564.

1.2 Concept

Tobacco is a product that comes from the leaves of the tobacco plant, which is smoked as a drug. Smokable forms of tobacco include rolling tobacco, cigarettes, cigars and pipe tobacco. This information model describes the information asked of the patient about their use of tobacco.

1.3 Mindmap

1.4 Purpose

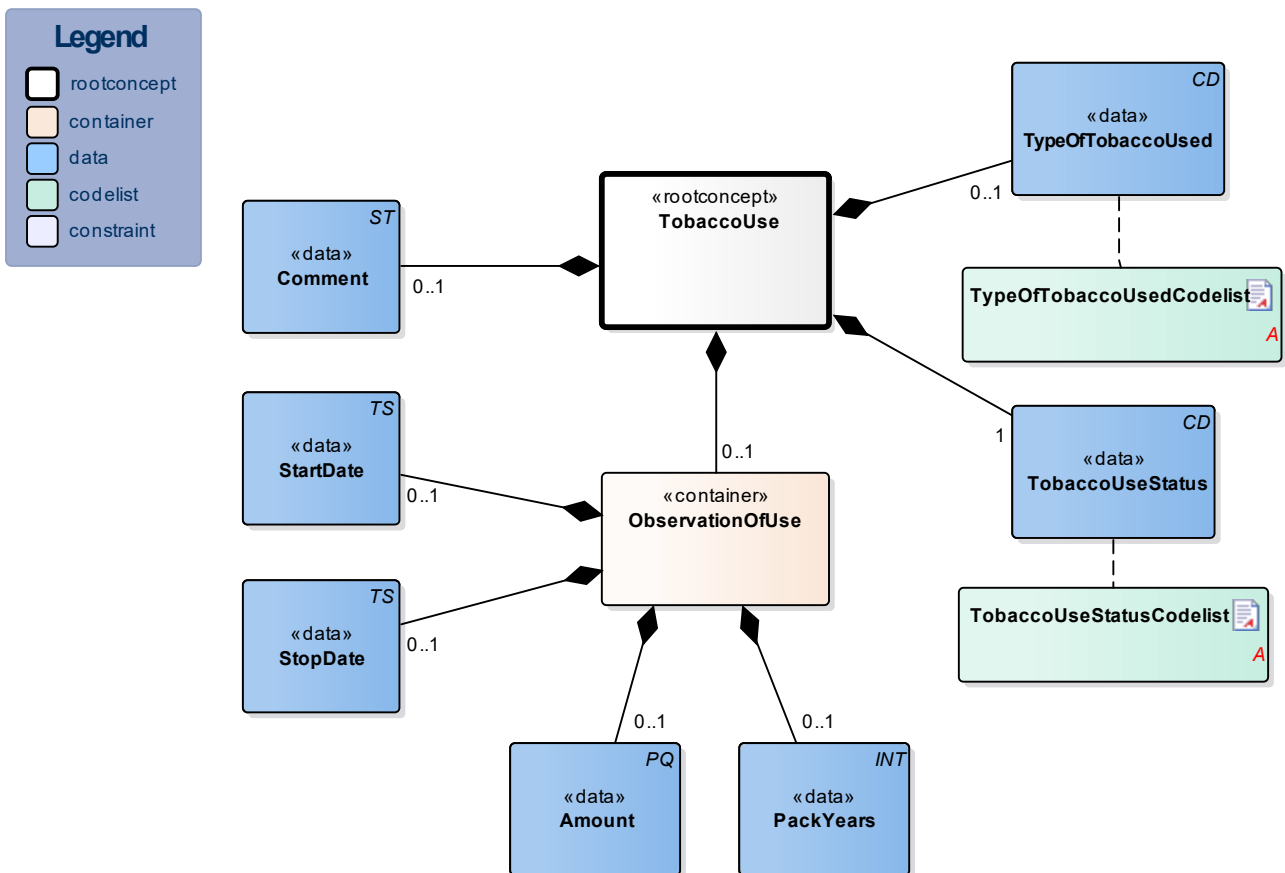
During the social anamnesis, the patient is frequently asked about their use of tobacco or exposure to tobacco smoke at home or elsewhere. Information on tobacco use can be important for treatment and diagnostics.

1.5 Patient Population

1.6 Evidence Base

Exposure to tobacco is an important risk factor for things like neoplasms, degenerative diseases and vascular incidents. During the anamnesis, the patient is often asked about their current smoking pattern and number of pack years. The number of pack years is the unit that describes the total exposure to tobacco smoke, which is the number of smoked packs of cigarettes per day (one pack = 20 cigarettes) times the number of years of smoking. A different formula is often used for rolling tobacco and pipes, with one of the parameters being the number of grams per week.

1.7 Information Model



| | | |
|-----------------------|--|--|
| Definitie | Root concept of the TobaccoUse information model. This concept contains all data elements of the TobaccoUse information model. | |
| Datatype | | |
| DCM::ConceptId | NL-CM:7.2.1 | |
| Opties | | |

| «data» | Comment | |
|----------------------------|--|--|
| Definitie | Relevant comments on the patient's use of tobacco. | |
| Datatype | ST | |
| DCM::ConceptId | NL-CM:7.2.3 | |
| DCM::DefinitionCode | LOINC: 48767-8 Annotation comment | |
| DCM::ExampleValue | Patiënt probeert te stoppen, thuis wordt ook door partner gerookt. | |
| Opties | | |

| «data» | TypeOfTobaccoUsed | |
|--------------------------|-----------------------------------|--|
| Definitie | Type of tobacco the patient uses. | |
| Datatype | CD | |
| DCM::ConceptId | NL-CM:7.2.9 | |
| DCM::ExampleValue | Rookt sigaretten | |
| DCM::ValueSet | TypeOfTobaccoUsedCodelist | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.7.2.3 |
| Opties | | |

| «data» | TobaccoUseStatus | |
|----------------------------|---|--|
| Definitie | The status of the patient's tobacco use. | |
| Datatype | CD | |
| DCM::ConceptId | NL-CM:7.2.10 | |
| DCM::DefinitionCode | SNOMED CT: 365980008 Finding of tobacco use and exposure (finding) | |
| DCM::ExampleValue | Ex-roker | |
| DCM::ValueSet | TobaccoUseStatusCodelist | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.7.2.2 |
| Opties | | |

| «container» | ObservationOfUse | |
|-----------------------|--|--|
| Definitie | This container contains all information on the extent to which the patient is or was exposed to tobacco. | |
| Datatype | | |
| DCM::ConceptId | NL-CM:7.2.2 | |
| Opties | | |

| «data» | StartDate | |
|-----------------------|--|--|
| Definitie | The date on which the patient started smoking. | |
| Datatype | TS | |
| DCM::ConceptId | NL-CM:7.2.4 | |

| | | |
|-------------------|------|--|
| DCM::ExampleValue | 1975 | |
| Opties | | |

| «data» | StopDate |
|-------------------|--|
| Definitie | The date on which the patient quit smoking |
| Datatype | TS |
| DCM::ConceptId | NL-CM:7.2.5 |
| DCM::ExampleValue | 28-02-2012 |
| Opties | |

| «data» | Amount |
|-------------------|---|
| Definitie | The number of cigarettes, cigars or grams of rolling tobacco consumed per day, week, month or year. |
| Datatype | PQ |
| DCM::ConceptId | NL-CM:7.2.6 |
| DCM::ExampleValue | 15/d |
| Opties | |

| «data» | PackYears |
|---------------------|---|
| Definitie | The unit indicating the smoker's total exposure to tobacco smoke. For cigarettes, this is calculated using the number of smoked packs of cigarettes per day (one pack = 20 cigarettes) times the number of years of smoking. For other forms of tobacco, this is usually converted to an equivalent cigarette consumption. Often, only the number of pack years is estimated. |
| Datatype | INT |
| DCM::ConceptId | NL-CM:7.2.7 |
| DCM::DefinitionCode | SNOMED CT: 401201003 Cigarette pack-years |
| DCM::ExampleValue | 10 |
| Opties | |

| «document» | TypeOfTobaccoUsedCodelist |
|-----------------|--|
| Definitie | |
| Datatype | |
| DCM::ValueSetId | 2.16.840.1.113883.2.4.3.11.60.40.2.7.2.3 |
| Opties | |

SoortTabakGebruikCodelijst | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.7.2.3

| Concept Name | Concept Code | Coding Syst. Name | Coding System OID | Description |
|--------------------------------|--------------|-------------------|--------------------------|------------------|
| Cigarette smoker (finding) | 65568007 | SNOMED CT | 2.16.840.1.113883.6.96 | Rookt sigaretten |
| Cigar smoker (finding) | 59978006 | SNOMED CT | 2.16.840.1.113883.6.96 | Rookt sigaren |
| Pipe smoker (finding) | 82302008 | SNOMED CT | 2.16.840.1.113883.6.96 | Rookt pijp |
| Rolls own cigarettes (finding) | 160619003 | SNOMED CT | 2.16.840.1.113883.6.96 | Rookt shag |
| Other | OTH | NullFlavor | 2.16.840.1.113883.5.1008 | Anders |

| | | |
|------------------------|--|--|
| «document» | TobaccoUseStatusCodelist | |
| Definitie | | |
| Datatype | | |
| DCM::ValueSetId | 2.16.840.1.113883.2.4.3.11.60.40.2.7.2.2 | |
| Opties | | |

| TabakGebruikStatusCodelijst | | | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.7.2.2 | |
|---|---------------------|--------------------------|--|--|
| Concept Name | Concept Code | Coding Syst. Name | Coding System OID | Description |
| Smokes tobacco daily (finding) | 449868002 | SNOMED CT | 2.16.840.1.113883.6.96 | Rookt dagelijks |
| Occasional cigarette smoker (finding) | 230059006 | SNOMED CT | 2.16.840.1.113883.6.96 | Rookt soms |
| Passive smoker (finding) | 43381005 | SNOMED CT | 2.16.840.1.113883.6.96 | Rookt passief |
| Ex-smoker (finding) | 8517006 | SNOMED CT | 2.16.840.1.113883.6.96 | Ex-roker |
| Current non smoker but past smoking history unknown (finding) | 405746006 | SNOMED CT | 2.16.840.1.113883.6.96 | Niet-roker, maar rookgedrag in verleden onbekend |
| Never smoked tobacco (finding) | 266919005 | SNOMED CT | 2.16.840.1.113883.6.96 | Nooit gerookt |
| Other | OTH | NullFlavor | 2.16.840.1.113883.5.1008 | Anders |

1.8 Example Instances

| SoortTabak Gebruik | Tabak GebruikStatus | Start Datum | StopDatum | Pack Years | Hoeveelheid | Toelichting |
|---------------------------|----------------------------|--------------------|------------------|-------------------|--------------------|---|
| Rookt shag | Rookt dagelijks | 1985 | | 20 | 350 g per week | Probeert te stoppen. Thuis wordt ook door partner gerookt |

1.9 Instructions

The pack year is a measure for smokers' exposure to tobacco smoke. The *calculation* is not included in the model. It is entered in the EPD and/or during the anamnesis and is only entered if known. This should not be calculated based on the other values in this clinical information model.

1.10 Interpretation

1.11 Care Process

1.12 Example of the Instrument

1.13 Constraints

1.14 Issues

1.15 References

1.16 Functional Model

1.17 Traceability to other Standards

1.18 Disclaimer

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