TOBACCO (Tobacco Use)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| TOBACCO | Observation.value\_as\_concept\_id | Where Observation.observation\_concept\_id = 4005823 (‘Tobacco user’)   |  |  | | --- | --- | | OMOP to PCORnet | | | 4005823 | 01 = Current user | | 45765920 | 02 = Never | | 45765917 | 03 = Quit/Former smoker | | 40765262 | 04 = Passive or environmental exposure | | TBD (removed) | 06 = Not asked | | 44814650 | NI = No Information | | 44814649 | OT = Other | | 44814653 | UN = Unknown | | |  |  | | --- | --- | | OMOP Concepts | | | **Concept ID** | **Concept Name** | | 4005823 | Tobacco user | | 45765917 | Ex-tobacco user | | 45765920 | Never used tobacco | | 40765262 (LOINC) | "PhenX - environmental exposures - current environmental tobacco smoke exposure protocol" | | 44814653 | Unknown | | 44814650 | No Information | | 44814649 | Other | |

TOBACCO TYPE

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| TOBACCO\_TYPE | Observation.value\_as\_concept\_id | If a fact for Observation.observation\_concept\_id = 4005823 (‘Tobacco user’) is linked to a fact for Observation.observation\_concept\_id = 4219336 (‘Tobacco’) in Fact\_Relationship table, use the following values for Observation.observation\_concept\_id = 4219336   |  |  | | --- | --- | | OMOP to PCORnet | | | Any of:  4298794,  4224317,  4282779,  4132133  But not any of:  4218197,  4219234 | 01 = Smoked tobacco only | | Any of:  4218197,  4219234  But not any of:  4298794,  4224317,  4282779,  4132133 | 02 = Non-smoked tobacco only | | Any of:  4298794,  4224317,  4282779,  4132133  AND any of:  4218197,  4219234 | 03 = Use both smoked and non-smoked tobacco products | | TOBACCO = any of  45765920 | 04 = None | | Any of  4298794,  4224317,  4282779,  4132133  AND any of:  [TBD] | 05 = Use of smoked tobacco but no information about non-smoked tobacco use  [TBD] = add a new concept id for Non-smoked tobacco (no information). | | 44814653 | UN | | 44814650 | NI | | 44814649 | OT | | |  |  | | --- | --- | | OMOP Concepts for Tobacco Smoking Status | | | **Concept ID** | **Concept Name** | | 4219234 | Chewing tobacco | | 4219336 | Tobacco | | 4282779 | Cigarette smoking tobacco | | 4224317 | Pipe smoking tobacco | | 4298794 | Smoker | | 4132133 | Cigar smoking tobacco | | 4218197 | Snuff tobacco | | 4036090 | Never chewed tobacco | | 44814653 | Unknown | | 44814650 | No Information | | 44814649 | Other | |

SMOKING (frequency/amount of Tobacco Use)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| SMOKING | Observation.value\_as\_concept\_id | If a fact for Observation.observation\_concept\_id = 4005823 (‘Tobacco user’) is linked to a fact for Observation.observation\_concept\_id = 4275495 (‘Tobacco smoking behavior - finding’) in Fact\_Relationship table, use the following values for Observation.observation\_concept\_id = 4275495   |  |  | | --- | --- | | OMOP to PCORnet | | | 4209585 | 08 = Light tobacco smoker | | 4209006 | 07 = Heavy tobacco smoker | | 4044778 | 07 = Heavy tobacco smoker | | 42709996 | 01 = current every day smoker | | Occasional tobacco smoker | 02 = current some day smoker | | 4298794 | 05 = Smoker, current status unknown | | 4144272 | 04 = Never smoker | | 4222303 | OT = Other | | 4310250 | 03 = Former smoker | | 4141786 | 06 = Unknown if ever smoked | | 44814650 | NI = No Information | | 44814649 | OT = Other | | |  |  | | --- | --- | | OMOP Concepts | | | **Concept ID** | **Concept Name** | | 4209585 | Moderate smoker (20 or less per day) | | 4209006 | Heavy smoker (over 20 per day) | | 4044778 | Chain smoker | | 42709996 | Smokes tobacco daily | | TBD | Occasional tobacco smoker | | 4298794 | Smoker | | 4144272 | Never smoked tobacco | | 4222303 | Non-smoker | | 4310250 | Ex-smoker | | 4141786 | Tobacco smoking consumption(status) unknown | | 44814650 | No Information | | 44814649 | Other | |

Example 1:

Patient 1 smokes 5 cigarettes per day and does not use non-smoked tobacco

Observation table:

|  |  |  |  |
| --- | --- | --- | --- |
| Observation ID | Person ID | Observation concept id | Value as concept id |
| 0001 | 1 | 4005823 | 4005823 |
| 0002 | 1 | 4219336 | 4282779 |
| 0003 | 1 | 4275495 | 4209585 |

Fact relationship

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Domain\_concept\_id\_1 | Fact\_id\_1 | Domain\_concept\_id\_2 | Fact\_id\_2 | relationship\_concept\_id |
| 27 | 0001 | 27 | 0002 | 0 |
| 27 | 0001 | 27 | 0003 | 0 |

Example 2:

Patient 2 smokes 25-40 cigarettes per day and also chews tobacco

Observation

|  |  |  |  |
| --- | --- | --- | --- |
| Observation ID | Person ID | Observation concept id | Value as concept id |
| 0004 | 2 | 4005823 | 4005823 |
| 0005 | 2 | 4219336 | 4282779 |
| 0006 | 2 | 4219336 | 4219234 |
| 0007 | 2 | 4275495 | 4209006 |

Fact relationship

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Domain\_concept\_id\_1 | Fact\_id\_1 | Domain\_concept\_id\_2 | Fact\_id\_2 | relationship\_concept\_id |
| 27 | 0004 | 27 | 0005 | 0 |
| 27 | 0004 | 27 | 0006 | 0 |
| 27 | 0004 | 27 | 0007 | 0 |

Example 3:

Patient 3 never smokes nor chews tobacco

Observation

|  |  |  |  |
| --- | --- | --- | --- |
| Observation ID | Person ID | Observation concept id | Value as concept id |
| 0008 | 3 | 4005823 | 45765920 |
| 0009 | 3 | 4275495 | 4144272 |

Fact relationship

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Domain\_concept\_id\_1 | Fact\_id\_1 | Domain\_concept\_id\_2 | Fact\_id\_2 | relationship\_concept\_id |
| 27 | 0008 | 27 | 0009 | 0 |

Example 4:

Patient 4 is a light cigar smoker and has no information about non-smoked tobacco use

Observation

|  |  |  |  |
| --- | --- | --- | --- |
| Observation ID | Person ID | Observation concept id | Value as concept id |
| 0010 | 4 | 4005823 | 4005823 |
| 0011 | 4 | 4219336 | 4132133 |
| 0012 | 4 | 4219336 | [TBD] (no information about of non-smoked tobacco use) |
| 0013 | 4 | 4275495 | 4209585 |

Fact relationship

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Domain\_concept\_id\_1 | Fact\_id\_1 | Domain\_concept\_id\_2 | Fact\_id\_2 | relationship\_concept\_id |
| 27 | 0010 | 27 | 0011 | 0 |
| 27 | 0010 | 27 | 0012 | 0 |
| 27 | 0010 | 27 | 0013 | 0 |