COTC007B Transformation Documentation

COTC007B has six transformations, one for case centric data (enrollment), one for cycle (course init) data, one for extent of disease data, one for physical exam data, one for vital signs data, and one for prior surgery data. The input files for these transformations can be found in Box at <https://nih.app.box.com/folder/117935526136>.

The transformations map the columns from the input files to node.properties in the database. Mappings can be one-to-one (i.e., one column in the input file maps to a single node.property), or many-to-one (i.e., two or more columns in the input file are concatenated to map to a single node.property). In addition some columns map the values in the input file to a set of accepted values in the database for the given node.property.

# Case (Enrollment) Transformation

## Case Node Mappings

|  |  |  |  |
| --- | --- | --- | --- |
| **PROPERTY** | **MAPPING** | **VALUE MAPPING FROM** | **VALUE MAPPING TO** |
| case\_id | STUDY + "-" + PT |  |  |
| patient\_id | PT |  |  |
| patient\_first\_name | VET\_PT\_FIRST\_NM\_TXT\_FUL |  |  |

## Demographic Node Mappings

|  |  |  |  |
| --- | --- | --- | --- |
| **PROPERTY** | **MAPPING** | **VALUE MAPPING FROM** | **VALUE MAPPING TO** |
| breed | DOG\_BREED\_TXT\_NM\_FUL |  |  |
| patient\_age\_at\_enrollment | PT\_AGE\_VAL\_FUL |  |  |
| sex | DOG\_SEX\_TP\_TXT\_CD\_FUL |  |  |
| neutered\_indicator | NEUTER\_STATUS |  |  |
| date\_of\_birth | PT\_DOB\_FUL |  |  |

## Diagnosis Node Mappings

|  |  |  |  |
| --- | --- | --- | --- |
| **PROPERTY** | **MAPPING** | **VALUE MAPPING FROM** | **VALUE MAPPING TO** |
| disease\_term | VET\_PT\_DX\_DZ\_TRM\_NM\_FUL |  |  |
| primary\_disease\_site | VET\_PRIM\_SITE\_DZ\_NM\_FUL |  |  |
| stage\_of\_disease | DISEAS\_STG\_FUL |  |  |
| date\_of\_diagnosis | DIAG\_DT\_FUL |  |  |
| histology\_cytopathology | HIST\_CYTPATH\_FUL |  |  |
| date\_of\_histology\_confirmation | HIST\_CONF\_DT\_FUL |  |  |
| histological\_grade | HISTOLOGIC\_GRADE\_FUL |  |  |

## Enrollment Node Mappings

|  |  |  |  |
| --- | --- | --- | --- |
| **PROPERTY** | **MAPPING** | **VALUE MAPPING FROM** | **VALUE MAPPING TO** |
| date\_of\_registration | REG\_DT\_FUL |  |  |
| registering\_institution | REG\_INST\_FUL |  |  |
| initials | PATIENT\_INITS\_FUL |  |  |
| date\_of\_informed\_consent | CONS\_DT\_FUL |  |  |
| site\_short\_name | INVSITE |  |  |
| veterinary\_medical\_center | VET\_MED\_INST\_NM\_FUL |  |  |
| enrollment\_document\_number | DOCNUM |  |  |
| cohort\_description | ENROLL\_TX\_ASSIGN\_CD\_FUL |  |  |
| patient\_subgroup | PT\_SUBGRP\_FUL |  |  |

## Additional Mappings

In addition, we include some extra columns to the transformed files. These columns are used by the data loader.

|  |  |
| --- | --- |
| **NODE.PROPERTY** | **MAPPING** |
| study.clinical\_study\_designation | STUDY |
| enrollment\_id | STUDY + "-" + PT |
| diagnosis\_id | STUDY + "-" + PT |

## Input Columns Not Used

Submitters sometimes include columns with data that are not going to be included in our database. We leave these columns in the input file, but the transformation ignores them. For the case input file, these columns include:

* DOG\_SEX\_TP\_TXT\_CD\_FUL\_ORIG
* ENROLL\_TX\_ASSIGN\_CD

# Cycle (Course Init) Transformation

## Cycle Node Mappings

|  |  |  |  |
| --- | --- | --- | --- |
| **PROPERTY** | **MAPPING** | **VALUE MAPPING FROM** | **VALUE MAPPING TO** |
| cycle\_number | COURS\_NUM\_FUL |  |  |
| date\_of\_cycle\_start | START\_DT\_FUL |  |  |
| date\_of\_cycle\_end | STOP\_DT\_FUL |  |  |

## Additional Mappings

In addition, we include some extra columns to the transformed files. These columns are used by the data loader.

|  |  |
| --- | --- |
| **NODE.PROPERTY** | **MAPPING** |
| case\_id | STUDY + "-" + PT |
| crf\_id | DOCNUM |

## Input Columns Not Used

The following input columns are not used in COTC007B.

* ARM\_FUL
* CLINICAL\_STUDY\_ID
* DOCNUM
* PATIENT\_POSITION\_ID
* PHASE\_NAME\_FUL

# Extent of Disease Transformation

## Disease Extent Node Mappings

|  |  |  |  |
| --- | --- | --- | --- |
| **PROPERTY** | **MAPPING** | **VALUE MAPPING FROM** | **VALUE MAPPING TO** |
| crf\_id | DOCNUM |  |  |
| lesion\_number | COURS\_NUM\_FUL |  |  |
| lesion\_site | START\_DT\_FUL |  |  |
| lesion\_description | STOP\_DT\_FUL |  |  |
| previously\_irradiated | PREV\_IRRAD\_IND |  |  |
| previously\_treated | RT\_RECUR\_IND3 |  |  |
| measurable\_lesion | MEASUR\_IND |  |  |
| target\_lesion | FOLLOW\_RESPS\_IND |  |  |
| date\_of\_evaluation | EVAL\_DT\_FUL |  |  |
| measured\_how | MEASUREMENT\_MTHD |  |  |
| longest\_measurement | MEASUREMENT\_X |  |  |
| evaluation\_number | EVAL\_NUM |  |  |
| evaluation\_code | EVAL\_CD |  |  |

## Additional Mappings

In addition, we include some extra columns to the transformed files. These columns are used by the data loader.

|  |  |
| --- | --- |
| **NODE.PROPERTY** | **MAPPING** |
| case\_id | STUDY + "-" + PT |
| visit.visit\_id | STUDY + "-" + PT + EVAL\_DT\_FUL |
| cycle\_number |  |

## Input Columns Not Used

The following input columns are not used in COTC007B.

* CLINICAL\_STUDY\_ID
* COURS\_DAY\_FUL
* PATIENT\_POSITION\_ID
* PHASE\_NAME

# Physical Exam Transformation

## Disease Extent Node Mappings

|  |  |  |  |
| --- | --- | --- | --- |
| **PROPERTY** | **MAPPING** | **VALUE MAPPING FROM** | **VALUE MAPPING TO** |
| date\_of\_examination | EVAL\_DT\_FUL |  |  |
| body\_system | VET\_PT\_PE\_BDY\_SYS\_TP\_FUL |  |  |
| pe\_finding | FNG\_RSL\_IND\_FUL |  |  |
| pe\_comment | COMMENTS\_FUL |  |  |

## Additional Mappings

In addition, we include some extra columns to the transformed files. These columns are used by the data loader.

|  |  |
| --- | --- |
| **NODE.PROPERTY** | **MAPPING** |
| case\_id | STUDY + "-" + PT |
| visit.visit\_id | STUDY + "-" + PT + EVAL\_DT\_FUL |

## Input Columns Not Used

The following input columns are not used in COTC007B.

* CLINICAL\_STUDY\_ID
* COURS\_DAY\_FUL
* COURS\_NUM\_FUL
* CPEVENT
* DOCNUM
* PATIENT\_POSITION\_ID
* PHASE\_NAME\_FUL
* REPEATSN

# Vital Signs Transformation

## Vital Signs Node Mappings

|  |  |  |  |
| --- | --- | --- | --- |
| **PROPERTY** | **MAPPING** | **VALUE MAPPING FROM** | **VALUE MAPPING TO** |
| body\_surface\_area | BSA\_FUL |  |  |
| respiration\_pattern | DOG\_RESP\_PATT\_TXT |  |  |
| ecg | ECG\_IMPRESSION |  |  |
| date\_of\_vital\_signs | EVAL\_DT\_FUL |  |  |
| pulse | PULSE |  |  |
| pulse\_ox | PULSE\_OX |  |  |
| respiration\_rate | RESP\_RATE |  |  |
| assessment\_timepoint | STDY\_TMPT\_CRSE\_NM |  |  |
| systolic\_bp | SYST\_BP |  |  |
| body\_temperature | TEMP\_FAHREN |  |  |
| time\_of\_observation | TIME\_FUL |  |  |
| modified\_ecog | VET\_PT\_PERF\_STAT\_GD |  |  |
| patient\_weight | WEIGHT\_KG\_FUL |  |  |

## Additional Mappings

In addition, we include some extra columns to the transformed files. These columns are used by the data loader.

|  |  |
| --- | --- |
| **NODE.PROPERTY** | **MAPPING** |
| case\_id | STUDY + "-" + PT |
| visit.visit\_id | STUDY + "-" + PT + EVAL\_DT\_FUL |

## Input Columns Not Used

The following input columns are not used in COTC007B.

* CLINICAL\_STUDY\_ID
* CPEVENT
* DOCNUM
* PATIENT\_POSITION\_ID