* ICDO3 Sites
  + Preferred terms/codes:
    - Source:
      * <https://apps.who.int/classifications/apps/icd/ClassificationDownload/DLArea/Download.aspx>
      * <https://apps.who.int/classifications/apps/icd/ClassificationDownload/DLArea/ICD-O-3_CSV-metadata.zip>
      * Source File: Topoenglish.txt
      * Import Lvl='4' ICD3 site codes. Form: 'C###.#'.
      * Do not import Lvl='3'. Form: 'C##'
      * Eliminate overlapping terms.
      * 3-character ICDO3 codes are not frequently used in analyses.
  + Synonyms
    - Add all Lvl='incl' ICD3 site terms as synonyms of identical preferred codes. Form: 'C###.#'.
    - Normalize all preferred terms and synonyms.
      * Remove ', nos' modifiers.
      * Remove all commas.
      * Reverse all word combinations.
    - Manually-curated legacy synonyms. See 'legacy\_icdo3\_site\_synonyms.csv'
  + Primary CNS Site classification
    - Source
      * <https://training.seer.cancer.gov/brain/tumors/abstract-code-stage/topographic.html>
      * Custom adds:
        + C41.0 bones of skull and face and associated joints
        + C41.1 mandible
        + C44.4 skin of scalp and neck
        + C75.1 pituitary gland
        + C75.2 craniopharyngeal duct
        + C75.3 pineal gland
* ICDO3 Histologies
  + Preferred terms/codes:
    - Source
      * ICDO-3.2 Histologies ICDO- THIRD EDITION, SECOND REVISION MORPHOLOGY
      * The IARC/WHO ICD-O Committee has updated the draft ICD-O-3.1 classification, with new morphology codes and terms from the 4th series of WHO Classification of Tumours (Blue Books).
      * <https://www.naaccr.org/icdo3/#1582820761121-27c484fc-46a7>
      * <https://www.naaccr.org/wp-content/uploads/2020/10/Copy-of-ICD-O-3.2_MFin_17042019_web.xls>
      * Source File: Copy-of-ICD-O-3.2\_MFin\_17042019\_web.xls
      * <http://www.iacr.com.fr/index.php?option=com_content&view=category&layout=blog&id=100&Itemid=577>
      * <http://www.iacr.com.fr/images/Newsflash/ICD-O-3.2_final_update09102020.xls>
      * Import Level='Preferred' ICD3 morphology codes. Form: '####/#'.
    - Synonyms:
      * Add all Level = 'Synonym' OR Level = 'Related' ICD3 morphology terms as synonyms of identical preferred codes. Form: '####/#'.
      * Normalize all preferred terms and synonyms.
        + Remove ', nos' modifiers.
        + Remove all commas.
        + Reverse all word combinations.
      * Manually-curated legacy synonyms. See file 'legacy\_icdo3\_histology\_synonyms.csv'
      * Manually-curated legacy synonyms. See 'legacy\_icdo3\_metastatic\_histology\_synonyms.csv'
    - Primary CNS Site classification
      * Source(s)
        + The 2016 World Health Organization Classification of Tumors of the Central Nervous System

<https://pubmed.ncbi.nlm.nih.gov/27157931/>

* + - * + WHO Classification of Tumors of Endocrine Organs (Medicine) 4th Edition

<https://www.pathologyoutlines.com/topic/cnstumorwhoclassification.html>

* + - * + Any morphology that has a 'Code reference' in the ICDO-3.2 file bound to a primary CNS site (C70.0, C70.1, C70.9, C71.0, C71.1, C71.2, C71.3, C71.4, C71.5, C71.6, C71.7, C71.8, C71.9, C72.0, C72.1, C72.2, C72.3, C72.4, C72.5, C72.8, C72.9, C75.1, C75.2, C75.3, C41.0, C41.1, C44.4) or (C41.\_, C44.\_, C70.\_, C71.\_, C72.\_, C75.\_)
        + Custom adds

Non-ICDO 3.2:

8004/3, malignant tumor, spindle cell type

8711/0 glomus tumor

8823/0 desmoplastic fibroma

8830/3 anaplastic fibroblastic histiocytoma

8840/0 myxoma

8890/3 leiomyosarcoma

8940/0 pleomorphic adenoma

8990/3 mesenchymoma, malignant

9041/3 synovial sarcoma, spindle cell

9050/3 mesothelioma, malignant

9200/0 osteoblastoma

9220/3 chondrosarcoma

9490/0 ganglioneuroma

9522/3 olfactory neuroblastoma

9570/0 neuroma

9571/0 perineurioma

9571/3 anaplastic perineurioma

9581/3 alveolar soft part sarcoma

9590/3 malignant lymphoma

9731/3 plasmacytoma

9732/3 multiple myeloma

9930/3 myeloid sarcoma

9970/1 lymphoproliferative disorder

colloid cyst

epidermoid

gliosis

gliosis-epilepsy

no evidence of tumor

primary intraocular lymphoma

radiation necrosis

ICDO 3.2

8000/0 neoplasm, benign

8000/3 neoplasm, malignant

9413/0 dysembryoplastic neuroepithelial tumor

9563/0 nerve sheath tumor

9510/3 retinoblastoma

9138/1 pseudomyogenic (epithelioid sarcoma-like) hemangioendothelioma

* + - Metastatic Classification
      * Source
        + Manual

8000/6 neoplasm, metastatic

8000/9 neoplasm, malignant, uncertain whether primary or metastatic

8010/6 carcinoma, metastatic

8070/6 squamous cell carcinoma, metastatic

8140/6 adenocarcinoma, metastatic

8246/3 neuroendocrine carcinoma

8490/6 metastatic signet ring cell carcinoma

8898/1 metastasizing leiomyoma

9310/3 ameloblastoma, metastasizing