

ICD O CODE IN CANCER REGISTRY

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Data source

Pathology report:

- A. the pathologic specimen from the surgical procedure
- B. Cytology report:
 - From body fluids (bone marrow, PBS,pleural...)

No pathology or cytology report:
The mention of type of cancer (histology) in the medical record (Clinics, Imaging center, dead certificate...).

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ICD-0-3 Manual Format

- Instructions
- Structure and Format of ICD-0-3
- Numerical list for Topography, page 43
- Numerical list for Morphology, page 69
- Alphabetic Index, page 105
- Appendices

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Topography Codes (C codes)

C00- C80.9

- ✓ Site of origin
- ✓ Subsite

C 50/2

Breast

Upper inner

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Special rules in topography

C76/-
Ill define site
If a topographic site is modified by a prefix such as peri-, para- or the like, which is not specifically listed in ICD-O, code to the appropriate ill-defined subcategory C76 (ill-defined site), unless the type of tumor indicates origin from a particular tissue.

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Overlappings

Tumors involving more than one topographic category or subcategory
Use subcategory "8" when a single tumor overlaps the boundaries of two or more categories or subcategories and its point of origin cannot be determined

C21.8 Overlapping lesion of rectum, anus and anal canal

C67.8 Overlapping lesion of bladder

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Topography codes for lymphomas

- ✓ If multiple lymph node regions are involved by lymphoma, code to C77.8
- ✓ Code extranodal lymphomas to the site of origin, which may not be the site of Biopsy
- ✓ If no site is indicated for a lymphoma, code to C77.9 (lymph node, NOS)

Code all leukemias except myeloid sarcoma (9930/3) to C42.1(bone marrow)

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- ☐ Morphology Codes (M codes)
- ☐ M8000-M9989
 - ☐ Type of cell (first 4 digit)
 - ☐ Behavior(5th digit)
 - ☐ Grade(6th digit)

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C 3 4 . 2 M 8 0 7 0 / 3 2

↑

Site

↑

Subsite

↑

Cell type

↑

Behavior

↑

Differentiation

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Behavior code in morphology (5th digit)

- ✓ /0 Benign
- ✓ /1 Uncertain whether benign or malignant; borderline
- ✓ /2 In situ; non-invasive
- ✓ /3 Malignant; Invasive
- ✓ /6 Malignant; metastatic site
- ✓ /9 Malignant, uncertain whether primary or metastatic

✓ Note: 6 not used in cancer registry

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Liver biopsy:
Metastatic Adenocarcinoma
If patient is known case of lung Adenocarcinoma
C34.9 M-8140/3
If unknown primary site
C80.9 M8140/3

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TABLE 27. WHO GRADING SYSTEM (MALIGNANCY SCALE)
FOR CENTRAL NERVOUS SYSTEM TUMORS

| Tumor Type to be Coded | WHO Grade | iCD-O Code | ICD-O Behavior Code (5th digit) |
|--|-----------|------------|---------------------------------|
| Astrocytic tumors (Astrocytoma) | | | |
| Subependymal giant cell | I | 9384 | 1 |
| Pilocytic | I | 9421 | 1 |
| Low grade | II | 9400 | 3 |
| Pleomorphic xanthoastrocytoma | II-III | 9424 | 3 |
| Anaplastic | III | 9401 | 3 |
| Glioblastoma | IV | 9440 | 3 |
| Oligodendrogliomas | | | |
| Low grade | II | 9450 | 3 |
| Anaplastic | III | 9451 | 3 |
| Oligoastrocytomas | | | |
| Low grade | II | 9382 | 3 |
| Anaplastic | III | 9382 | 3 |

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6th digit : Differentiation

- ✓ 1: well differentiation
- ✓ 2: moderately differentiation
- ✓ 3: poorly differentiation
- ✓ 4: Undifferentiation, anaplastic
- ✓ 5: T-cell
- ✓ 6: B cell
- ✓ 7:Null cell (Non T Non B)
- ✓ 8: NK cell
- ✓ 9: Not determined

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☐ Gleason grade for Prostate cancer

| Gleason grade | 6 th digit code |
|---------------|----------------------------|
| 2-4 | 1 |
| 5-7 | 2 |
| 8-10 | 3 |

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- ☐ Squamous cell carcinoma, grade II
- ☐ Squamous cell carcinoma, moderately to well differentiated
8070/32
- ☐ MD SCC with PD areas
8070/33
- ☐ Anaplastic SCC
8070/34

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The most error

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- ✓ No coding
- ✓ 6th digit of M code
- ✓ C code of gastric cancer: 16/1 to 16/9
- ✓ C code of skin cancer: 44/1 to 44/9 except penis(60/9) and vulva(51/9) and scrotum(63/2)
- ✓ C code of colon cancer: 18/1 to 18/9
- ✓ C code of metastatic tumor (80/9)

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- ✓ *Non-small cell carcinoma, most likely adenocarcinoma.*
Code: adenocarcinoma.
- ✓ SCC(8070/3), SCC Keratinizing type(8071/3), SCC non-keratinizing(8072/3)

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Thyroid, Papillary Carcinoma

~~8050/3, 8010/3~~

↓

8260/3

Follicular variant(8340/3)

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Basal cell Carcinoma

~~8090/31, 8090/32, 809033,...~~

↓

8090/39

Topography Variant

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Endometroid Carcinoma

~~M8010/3, C54.1~~

↓

M8380/3, C56.9 or C54.1

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- ✓ Undifferentiated carcinoma: 8020/34
- ✓ Anaplastic carcinoma: M8021/34
- ✓ Malignant neoplasm: 8000/39
- ✓ Neoplasm malignant, uncertain whether primary or metastatic: 8000/99
- ✓ Spindle cell malignant tumor: 8004/39

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These terms don't need ICD O code in pap smear

- ✓ Suggestive for malignancy
- ✓ suspicious for malignancy
- ✓ CIN II, CIN I
- ✓ LSIL (Low grade squamous intraepithelial lesion)

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These term need to ICD O code

- ✓ CINIII(Cervical intraepithelial neoplasia , gradeIII)
- ✓ HSIL (high grade squamous intraepithelial lesion)
- ✓ Positive for malignancy
- ✓ Consistent with malignancy
- ✓ Compatible with malignancy
- ✓ Malignant cells
- ✓ Malignant spindle cells

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