

CANCER 2 DATASET DICTIONARY

Daniel Motta - Nov 27th

ID - Patient ID

MARITAL - Marital Status at Dx

Code	Description
1	Single (never married)
2	Married (including common law)
3	Separated
4	Divorced
5	Widowed
6	Unmarried or domestic partner (same sex or opposite sex or unregistered)
9	Unknown

REG - Site that reported data

Code	Description
0000001501	San Francisco-Oakland SMSA (1973)
0000001502	Connecticut (1973)
0000001520	Metropolitan Detroit (1973)
0000001521	Hawaii (1973)
0000001522	Iowa (1973)
0000001523	New Mexico (1973)
0000001525	Seattle (Puget Sound) (1974)
0000001526	Utah (1973)
0000001527	Metropolitan Atlanta (1975)
0000001529	Alaska*
0000001531	San Jose-Monterey*
0000001535	Los Angeles*
0000001537	Rural Georgia*
0000001541	Greater California (excluding SF, Los Angeles & SJ)**
0000001542	Kentucky**
0000001543	Louisiana**
0000001544	New Jersey**
0000001547	Greater Georgia (excluding AT and RG)**

RACE - Race

Code	Description
1	White
2	Black
3	American Indian/Alaska Native
4	Asian or Pacific Islander
7	Other unspecified (1991+)
9	Unknown

ETHNIC

Code	Description
0	Non-Spanish-Hispanic-Latino
1	Spanish-Hispanic-Latino

SEX - Sex

Code	Description
1	Male
2	Female

AGE - Age at time of DX

Code	Description
000-130	Actual age in years
999	Unknown age

AGE_CAT

The age recode variable is based on Age at Diagnosis (single-year ages). The groupings used in the age recode variable are determined by the age groupings in the population data.

Code	Description
00	Age 00
01	Ages 01-04
02	Ages 05-09
03	Ages 10-14
04	Ages 15-19
05	Ages 20-24
06	Ages 25-29
07	Ages 30-34
08	Ages 35-39
09	Ages 40-44
10	Ages 45-49
11	Ages 50-54
12	Ages 55-59
13	Ages 60-64
14	Ages 65-69
15	Ages 70-74
16	Ages 75-79
17	Ages 80-84
18	Ages 85+
99	Unknown Age

BIRTH - Year of birth

Code	Description
1850-YYYY	Patient's year of birth
Blank	Unknown year of birth

SEQ

Number and sequence of all reportable malignant, in situ, benign, and borderline primary tumors, which occur over the lifetime of a patient.

In Situ/Malignant as Federally Required based on Diagnosis Year

Code	Description
00	One primary only in the patient's lifetime
01	First of two or more primaries
02	Second of two or more primaries
..	(Actual number of this primary)
41	Forty-first of forty-one or more primaries
99	Unspecified or unknown sequence number of Federally required in situ or malignant tumors. Sequence number 99 can be used if there is a malignant tumor and its sequence number is unknown. (If there is known to be more than one malignant tumor, then the tumors must be sequenced.)

Non-malignant Tumor as Federally Required based on Diagnosis Year

Code	Description
60	Only one non-malignant tumor or central registry-defined neoplasm
61	First of two or more non-malignant tumors or central registry-defined neoplasms
62	Second of two or more non-malignant tumors or central registry-defined neoplasms
..	..
87	Twenty-seventh of twenty-seven
88	Unspecified or unknown sequence number of non-malignant tumor or central-registry defined neoplasms. (Sequence number 88 can be used if there is a non-malignant tumor and its sequence number is unknown. If there is known to be more than one non-malignant tumor, then the tumors must be sequenced.)

MONTH - Month at diagnosis

MM Format 0-12

YEAR_DX - Year at time of diagnosis

YYYY

BEHAVIOR

Code	Description
0	Benign
1	Borderline malignancy
2	In situ
3	Malignant
4	Only malignant in ICD-O-3
5	No longer reportable in ICD-O-3
6	Only malignant 2010+

GRADE

Code	Description
1	Grade I; grade i; grade 1; well differentiated; differentiated, NOS
2	Grade II; grade ii; grade 2; moderately differentiated; moderately differentiated; intermediate differentiation
3	Grade III; grade iii; grade 3; poorly differentiated; differentiated
4	Grade IV; grade iv; grade 4; undifferentiated; anaplastic
5	T-cell; T-precursor
6	B-cell; Pre-B; B-Precursor
7	Null cell; Non T-non B;
8	N K cell (natural killer cell)
9	cell type not determined, not stated or not applicable

REPORTING

The Type of Reporting Source identifies the source documents used to abstract the case.

Code	Description
1	Hospital inpatient; Managed health plans with comprehensive, unified medical records (new code definition effective with diagnosis on or after 1/1/2006)
2	Radiation Treatment Centers or Medical Oncology Centers (hospital-affiliated or independent) (effective with diagnosis on or after 1/1/2006)
3	Laboratory Only (hospital-affiliated or independent)
4	Physician's Office/Private Medical Practitioner (LMD)
5	Nursing/Convalescent Home/Hospice
6	Autopsy Only
7	Death Certificate Only
8	Other hospital outpatient units/surgery centers (effective with diagnosis on or after 1/1/2006)

NODES_POS

Records the exact number of regional lymph nodes examined by the pathologist that were found to contain metastases.

Code	Description
00	All nodes examined are negative
01-89	Exact number of nodes positive
90	90 or more nodes are positive
95	Positive aspiration of lymph node(s) was performed
97	Positive nodes are documented, but number is unspecified
98	No nodes were examined
99	Unknown whether nodes are positive; not applicable; not stated in patient record

NODES_EX

Records the total number of regional lymph nodes that were removed and examined by the pathologist.

Code	Description
00	No nodes were examined
01-89	Exact number of nodes examined
90	90 or more nodes were examined
95	No regional nodes were removed, but aspiration of regional nodes was performed
96	Regional lymph node removal was documented as a sampling, and the number of nodes is unknown/not stated
97	Regional lymph node removal was documented as a dissection, and the number of nodes is unknown/not stated
98	Regional lymph nodes were surgically removed, but the number of lymph nodes is unknown/not stated and not documented as a sampling or dissection; nodes were examined, but the number is unknown
99	Unknown whether nodes were examined; not applicable or negative; not stated in patient record

SIZE

Information on tumor size. Available for 2004-2015 diagnosis years.

Code	Description
000	Indicates no mass or no tumor found; for example, when a tumor of a stated primary site is not found, but the tumor has metastasized.
001-988	Exact size in millimeters
989	989 millimeters or larger
990	Microscopic focus or foci only; no size of focus is given
991	Described as less than 1 cm
992	Described as less than 2 cm
993	Described as less than 3 cm
994	Described as less than 4 cm
995	Described as less than 5 cm
996-998	Site-specific codes where needed
999	Unknown; size not stated; not stated in patient record
888	Not applicable

Examples:

Mammogram shows 2.5 cm breast malignancy Code as 025 (2.5 cm = 25 millimeters)

CT of chest shows 4 cm mass in RUL Code as 040 (4 cm = 40 mm)

Thyroidectomy specimen yields 8 mm carcinoma Code as 008

Prostate needle biopsy shows 0.6 mm carcinoma Code as 001 (round up six-tenths of mm)

T_CLASS

This is the AJCC "T" component that is derived from CS coded fields,

Code	Description
99	TX
00	T0
01	Ta
05	Tis
06	Tispu (Urethra only)
07	Tispd (Urethra only)
10	T1
11	T1mic
19	T1 NOS
12	T1a
13	T1a1
14	T1a2
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15	T1b
16	T1b1
17	T1b2
18	T1c
20	T2
29	T2 NOS
21	T2a
22	T2b
23	T2c
30	T3
39	T3 NOS
31	T3a
32	T3b
33	T3c
40	T4
49	T4 NOS
41	T4a
42	T4b
43	T4c
44	T4d
80	T1a NOS
81	T1b NOS
88	Not applicable

N_CLASS

This is the AJCC "N" component that is derived from CS coded fields, using the CS algorithm, effective with 2004-2015 diagnosis years

Code	Description
99	NX
00	N0
01	N0(i-)
02	N0(i+)
03	N0(mol-)
04	N0(mol+)
10	N1
19	N1 NOS
11	N1a
12	N1b
13	N1c
18	N1mi
20	N2
29	N2 NOS
21	N2a
22	N2b
23	N2c
30	N3
39	N3 NOS
31	N3a
32	N3b
33	N3c
88	Not applicable

M_CLASS

This is the AJCC "M" component that is derived from CS coded fields

Code	Description
99	MX
00	M0
10	M1
11	M1a
12	M1b
13	M1c
19	M1 NOS
88	Not applicable

STAGE

Code	Description
0	In situ — A noninvasive neoplasm; a tumor which has not penetrated the basement membrane nor extended beyond the epithelial tissue. Some synonyms are intraepithelial (confined to epithelial tissue), noninvasive and noninfiltrating.
1	Localized — An invasive neoplasm confined entirely to the organ of origin. It may include intraluminal extension where specified. For example for colon, intraluminal extension limited to immediately contiguous segments of the large bowel is localized, if no lymph nodes are involved. Localized may exclude invasion of the serosa because of the poor survival of the patient once the serosa is invaded.
2	Regional — A neoplasm that has extended 1) beyond the limits of the organ of origin directly into surrounding organs or tissues; 2) into regional lymph nodes by way of the lymphatic system; or 3) by a combination of extension and regional lymph nodes.
4	Distant — A neoplasm that has spread to parts of the body remote from the primary tumor either by direct extension or by discontinuous metastasis (e.g., implantation or seeding) to distant organs, tissues, or via the lymphatic system to distant lymph nodes.
8	Localized/Regional – Only used for Prostate cases.
9	Unstaged — Information is not sufficient to assign a stage.

STAGE2

This item is the derived "SEER Summary Stage 1977" from the CS algorithm, effective with 2004-2015 diagnosis years.

Code	Description
0	In Situ
1	Localized
2	Regional, direct extension
3	Regional, lymph nodes only
4	Regional, extension and nodes
5	Regional, NOS
7	Distant
8	Not applicable
9	Unknown/Unstaged

HISTOLOGY

Type of Tumor

Code	Description
00	8000-8009 : unspecified neoplasms
01	8010-8049 : epithelial neoplasms, NOS
02	8050-8089 : squamous cell neoplasms
03	8090-8119 : basal cell neoplasms
04	8120-8139 : transitional cell papillomas and carcinomas
05	8140-8389 : adenomas and adenocarcinomas
06	8390-8429 : adnexal and skin appendage neoplasms
07	8430-8439 : mucoepidermoid neoplasms
08	8440-8499 : cystic, mucinous and serous neoplasms
09	8500-8549 : ductal and lobular neoplasms
10	8550-8559 : acinar cell neoplasms
11	8560-8579 : complex epithelial neoplasms
12	8580-8589 : thymic epithelial neoplasms
13	8590-8679 : specialized gonadal neoplasms
14	8680-8719 : paragangliomas and glomus tumors
15	8720-8799 : nevi and melanomas
16	8800-8809 : soft tissue tumors and sarcomas, NOS
17	8810-8839 : fibromatous neoplasms
18	8840-8849 : myxomatous neoplasms
19	8850-8889 : lipomatous neoplasms
20	8890-8929 : myomatous neoplasms
21	8930-8999 : complex mixed and stromal neoplasms
22	9000-9039 : fibroepithelial neoplasms
23	9040-9049 : synovial-like neoplasms
24	9050-9059 : mesothelial neoplasms
25	9060-9099 : germ cell neoplasms
26	9100-9109 : trophoblastic neoplasms
27	9110-9119 : mesonephromas
28	9120-9169 : blood vessel tumors
29	9170-9179 : lymphatic vessel tumors

Code	Description
30	9180-9249 : osseous and chondromatous neoplasms
31	9250-9259 : giant cell tumors
32	9260-9269 : miscellaneous bone tumors (C40._,C41._)
33	9270-9349 : odontogenic tumors (C41._)
34	9350-9379 : miscellaneous tumors
35	9380-9489 : gliomas
36	9490-9529 : neuroepitheliomatous neoplasms
37	9530-9539: meningiomas
38	9540-9579 : nerve sheath tumors
39	9580-9589 : granular cell tumors & alveolar soft part sarcomas
40	9590-9599 : malignant lymphomas, NOS or diffuse
41	9650-9669 : hodgkin lymphomas
42	9670-9699 : nhl - mature b-cell lymphomas
43	9700-9719 : nhl - mature t and nk-cell lymphomas
44	9720-9729 : nhl - precursor cell lymphoblastic lymphoma
45	9730-9739 : plasma cell tumors
46	9740-9749 : mast cell tumors
47	9750-9759 : neoplasms of histiocytes and accessory lymphoid cells
48	9760-9769 : immunoproliferative diseases
49	9800-9805: leukemias, nos
50	9820-9839 : lymphoid leukemias (C42.1)
51	9840-9939 : myeloid leukemias (C42.1)
52	9940-9949 : other leukemias (C42.1)
53	9950-9969 : chronic myeloproliferative disorders (C42.1)
54	9970-9979 : other hematologic disorders
55	9980-9989 : myelodysplastic syndrome
98	other

STATE_CITY

This item is a state-county combination where the first two characters represent the state FIPS code. The last three digits represent the FIPS county code.

DEATH_CA

This variable designates that the person died of their cancer for cause-specific survival.

Code	Description
0	Alive or dead of other cause
1	Dead
9	N/A not first tumor

DEATH_OTHER

This variable designates that the person died of causes other than their cancer

Code	Description
0	Alive or dead due to cancer
1	Dead
9	N/A not first tumor

SURVIVAL

Survival in months

Code	Description
000-9998	000-9998 months
9999	Unknown

INSURANCE

Code	Description
1	Uninsured
2	Any Medicaid
3	Insured
4	Insured/No specifics
5	Insurance status unknown

COUNT

Count of a patient's total reported in situ/malignant cancers, based on maximum

sequence number of any in situ/malignant tumors in SEER through the last released year of diagnosis. This value is the same across all tumors for a person.