

SEER RESEARCH PLUS DATA DESCRIPTION

CASES DIAGNOSED IN 1975-2021*

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FIELD DESCRIPTIONS

PATIENT ID

NAACCR Item #: 20

SAS Variable Name: Patient_ID

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: This field is used to uniquely identify a person. One person can have multiple primaries but the same Patient ID. See the sequence number for more information about the primary. This is a dummy number and is not the number used by the registry to identify the patient. The same number is not used across all submissions for each patient.

SEER REGISTRY

NAACCR Item #: 40

SAS Variable Name: N/A

Research: No

Research Limited-Field: No

Research Plus Limited-Field: Yes

Field Description: A unique code assigned to each participating SEER registry. The number identifies the registry sending the record and what population the data are based on.

Note: This data item is not available at the individual level.

| Code | Description |
|------------|--|
| 0000001501 | San Francisco-Oakland SMSA (1975+) |
| 0000001502 | Connecticut (1975+) |
| 0000001521 | Hawaii (1975+) |
| 0000001522 | Iowa (1975+) |
| 0000001523 | New Mexico (1975+) |
| 0000001525 | Seattle (Puget Sound) (1975+) |
| 0000001526 | Utah (1975+) |
| 0000001527 | Metropolitan Atlanta (1975+) |
| 0000001529 | Alaska (1992+) |
| 0000001531 | San Jose-Monterey (1992+) |
| 0000001535 | Los Angeles (1992+) |
| 0000001537 | Rural Georgia (1992+) |
| 0000001541 | Greater California (excl. SF, Los Ang. & SJ) (2000+) |
| 0000001542 | Kentucky (2000+) |
| 0000001543 | Louisiana (2000+) |
| 0000001544 | New Jersey (2000+) |
| 0000001547 | Greater Georgia (excluding AT and RG) |

(Continued from SEER REGISTRY)

FIELD DESCRIPTIONS

| Code | Description |
|------------|------------------------|
| 0000001561 | Idaho* (2000+) |
| 0000001562 | New York* (2000+) |
| 0000001563 | Massachusetts* (2000+) |
| 0000001565 | Illinois* (2000+) |
| 0000001566 | Texas* (2000+) |

(Year in parentheses refers to first diagnosis year of data available)

*Note: Registry data only available in limited-field databases.

SEER REGISTRY (WITH CA AND GA AS WHOLE STATES)

NAACCR Item #: N/A

SAS Variable Name: SEER_registry_with_CA_and_GA_as_whole_states

Research: No

Research Limited-Field: No

Research Plus Limited-Field: Yes

Field Description: SEER registries from California and Georgia are combined into state-level groupings representing those two entire states. This is the only geographic indicator available for analysis at the individual level.

| Code | Description |
|------|-----------------------|
| 02 | Alaska Natives |
| 06 | California |
| 09 | Connecticut |
| 13 | Georgia |
| 15 | Hawaii |
| 16 | Idaho |
| 19 | Iowa |
| 21 | Kentucky |
| 22 | Louisiana |
| 25 | Massachusetts |
| 34 | New Jersey |
| 35 | New Mexico |
| 36 | New York |
| 49 | Utah |
| 53 | Seattle (Puget Sound) |
| 65 | Illinois |
| 66 | Texas |

FIELD DESCRIPTIONS

LOUISIANA 2005 – 1ST VS 2ND HALF OF THE YEAR

NAACCR Item #: N/A

SAS Variable Name: N/A

Research: No

Research Limited-Field: No

Research Plus Limited-Field: Yes

Field Description: This variable can be used to distinguish cases diagnosed in Louisiana between July and December of 2005, when reporting may have been affected by hurricanes Katrina and Rita. See <https://seer.cancer.gov/data/hurricane.html>

Note: This data item is not available at the individual level.

| Code | Description |
|------|---|
| 0 | Not applicable (not 2005 Louisiana) |
| 1 | Louisiana: January-June (includes unknown) 2005 |
| 2 | Louisiana: July-December 2005 |

MARITAL STATUS AT DIAGNOSIS

NAACCR Item #: 150

SAS Variable Name: Marital_status_at_diagnosis

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: Yes

Field Description: This data item identifies the patient's marital status at the time of diagnosis for the reportable tumor.

| 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 |
| 14 | Blank |

FIELD DESCRIPTIONS

RACE/ETHNICITY**NAACCR Item #: N/A****SAS Variable Name: Race_ethnicity****Research: Yes****Research Limited-Field: Yes****Research Plus Limited-Field: Yes**

Field Description: Recode which gives priority to non-white races for persons of mixed races. Note that not all codes were in effect for all years. For more information, see https://seer.cancer.gov/seerstat/variables/seer/race_ethnicity/.

| Code | Description |
|-------------|---|
| 01 | White |
| 02 | Black |
| 03 | American Indian, Aleutian, Alaskan Native or Eskimo (includes all indigenous populations of the Western hemisphere) |
| 04 | Chinese |
| 05 | Japanese |
| 06 | Filipino |
| 07 | Hawaiian |
| 08 | Korean (Effective with 1/1/1988 dx) |
| 10 | Vietnamese (Effective with 1/1/1988 dx) |
| 11 | Laotian (Effective with 1/1/1988 dx) |
| 12 | Hmong (Effective with 1/1/1988 dx) |
| 13 | Kampuchean (including Khmer and Cambodian) (Effective with 1/1/1988 dx) |
| 14 | Thai (Effective with 1/1/1994 dx) |
| 15 | Asian Indian or Pakistani, NOS (Effective with 1/1/1988 dx) |
| 16 | Asian Indian (Effective with 1/1/2010 dx) |
| 17 | Pakistani (Effective with 1/1/2010 dx) |
| 20 | Micronesian, NOS (Effective with 1/1/1991) |
| 21 | Chamorroan (Effective with 1/1/1991 dx) |
| 22 | Guamanian, NOS (Effective with 1/1/1991 dx) |
| 25 | Polynesian, NOS (Effective with 1/1/1991 dx) |
| 26 | Tahitian (Effective with 1/1/1991 dx) |
| 27 | Samoan (Effective with 1/1/1991 dx) |
| 28 | Tongan (Effective with 1/1/1991 dx) |
| 30 | Melanesian, NOS (Effective with 1/1/1991 dx) |
| 31 | Fiji Islander (Effective with 1/1/1991 dx) |
| 32 | New Guinean (Effective with 1/1/1991 dx) |
| 96 | Other Asian, including Asian, NOS and Oriental, NOS (Effective with 1/1/1991 dx) |
| 97 | Pacific Islander, NOS (Effective with 1/1/1991 dx) |
| 98 | Other |
| 99 | Unknown |

SEER Participants San Francisco, San Jose-Monterey, and Los Angeles are permitted to use codes 14 and 20-97 for cases diagnosed after January 1, 1987. Greater California is permitted to use codes 14 and 20-97 for cases diagnosed after January 1, 1988. Other SEER participants may choose to recode cases diagnosed prior to 1991 using 14 and 20-97 if all cases in the following race codes are reviewed: 96 Other Asian; 97 Pacific Islander, NOS; 98 Other; and 99 unknown.

FIELD DESCRIPTIONS

SEX

NAACCR Item #: 220

SAS Variable Name: Sex

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Includes 1= Male and 2=Female from Sex [NAACCR Item #220] plus a total of male and female. This is used to link to the correct populations for males and females when calculating sex-specific rates.

| Code | Description |
|------|----------------------|
| 1 | Male |
| 2 | Female |
| 9 | Not stated (unknown) |

AGE RECODE WITH SINGLE AGES AND 100+

NAACCR Item #: N/A

SAS Variable Name: ageRecodeSingle100p

Research: No

Research Limited-Field: No

Research Plus Limited-Field: Yes

Field Description: Patient's age at diagnosis with all ages 100 and over grouped together.

AGE RECODE WITH SINGLE AGES AND 90+

NAACCR Item #: N/A

SAS Variable Name: Agerecodewithsingle_ages_and_90.

Research: No

Research Limited-Field: No

Research Plus Limited-Field: Yes

Field Description: Patient's age at diagnosis with all ages 90 and over grouped together.

FIELD DESCRIPTIONS

AGE RECODE WITH SINGLE AGES AND 85+

NAACCR Item #: N/A

SAS Variable Name: Agerecodewithsingleages_and_85

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Patient's age at diagnosis with all ages over 85 grouped together. In rate and prevalence sessions, this field can be selected as the population age variable (on the data tab), in which case it will be in the Age at Diagnosis category (1).

| Code | Description |
|---------|---------------------|
| 000-084 | Actual age in years |
| 85 | 85+ years |
| 127 | Unknown age |

AGE RECODE WITH <1 YEAR OLDS AND 90+

NAACCR Item #: N/A

SAS Variable Name: Agerecodewith1_year_olds_and_90

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: 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. This recode has 19 age groups in the age recode variable (< 1 year, 1-4 years, 5-9 years, ..., 85+ years). Will be in Race and Age (case data only) in rate or prevalence sessions if an alternate age is used as the population age variable.

FIELD DESCRIPTIONS

SEQUENCE NUMBER

NAACCR Item #: 380

SAS Variable Name: Sequence_number

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Sequence Number-Central describes the number and sequence of all reportable malignant, in situ, benign, and borderline primary tumors, which occur over the lifetime of a patient. The sequence number may change over the lifetime of the patient. If an individual previously diagnosed with a single reportable malignant neoplasm is subsequently diagnosed with a second reportable malignant neoplasm, the sequence code for the first neoplasm changes from 00 to 01.

This sequence number counts all tumors that were reportable in the year they were diagnosed even if the tumors occurred before the registry existed, or before the registry participated in the SEER Program. The purpose of sequencing based on the patient's *lifetime* is to truly identify the patients for survival analysis who only had one malignant primary in their lifetimes.

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) |
| 59 | Fifty-ninth of fifty-nine 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.) |

FIELD DESCRIPTIONS

MONTH OF DIAGNOSIS

NAACCR Item #: 390
SAS Variable Name: N/A
Research: No
Research Limited-Field: No
Research Plus Limited-Field: Yes

Field Description: The month of diagnosis is the month the tumor was first diagnosed by a recognized medical practitioner, whether clinically or microscopically confirmed. SEER dates on this file do not have the corresponding date flag field included. Blank means unknown.

Note: This data item is not available at the individual level.

Allowable values

MM = 01 – 12

14=Blank

YEAR OF DIAGNOSIS

NAACCR Item #: 390
SAS Variable Name: Year_of_diagnosis
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: The year of diagnosis is the year the tumor was first diagnosed by a recognized medical practitioner, whether clinically or microscopically confirmed. Year of Diagnosis: values are 1975-forward but may be a subset depending on the file that is used and the registry that is selected. There are no unknown values on the file.

Allowable values

YYYY = 1975 – forward

YEAR OF FOLLOW-UP RECODE

NAACCR Item #: 1782
SAS Variable Name: Year_of_follow_up_recode
Research: Yes
Research Limited-Field: No*
Research Plus Limited-Field: No*

Field Description: The earlier of the Year of Last Contact (NAACCR #1750) and the study cutoff.

* Indicates that a field is available in the SEER 22 (excl IL and MA) Limited-field database

FIELD DESCRIPTIONS

YEAR OF DEATH RECODE

NAACCR Item #: N/A

SAS Variable Name: Year_of_death_recode

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Year of death for patients who died before the study cutoff, as coded in year of follow-up recode.

COC ACCREDITED FLAG (2018+)

NAACCR Item #: 2152

SAS Variable Name: CoC_Accredited_Flag_2018

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: CoC Accredited Flag is assigned at the point and time of data abstraction to label an abstract being prepared for an analytic cancer case at a facility accredited by the Commission on Cancer (CoC). The flag may be assigned manually or can be defaulted by the registry's software.

FIELD DESCRIPTIONS

MONTH OF DIAGNOSIS RECODE

NAACCR Item #: N/A

SAS Variable Name: N/A

Research: No

Research Limited-Field: No

Research Plus Limited-Field: Yes

Field Description: Estimates month of diagnosis, based on other known dates for that patient, when actual month of diagnosis is unknown.

Note: This data item is not available at the individual level.

| Code | Description |
|------|-------------|
| 1 | January |
| 2 | February |
| 3 | March |
| 4 | April |
| 5 | May |
| 6 | June |
| 7 | July |
| 8 | August |
| 9 | September |
| 10 | October |
| 11 | November |
| 12 | December |

PRIMARY SITE

NAACCR Item #: 400

SAS Variable Name: Primary_Site

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: This data item identifies the site in which the primary tumor originated. See the *International Classification of Diseases for Oncology*, Third Edition (ICD-O-3) for topography codes. The decimal point is eliminated.

Cases diagnosed 1977-1991 were coded using the *International Classification of Diseases for Oncology*, 1976 Edition (ICD-O-1976). Prior to 1977 diagnoses, cases were coded using the *Manual of Tumor Nomenclature and Coding*, 1968 (MOTNAC).

All cases 1975-1991 were machine-converted to ICD-O-3 codes without complete hand review and may lack the specificity of the ICD-O-3 primary site codes.

FIELD DESCRIPTIONS

PRIMARY SITE - LABELED

NAACCR Item #: 400

SAS Variable Name: Primary_Site_labeled

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: This provides the primary site code in ICD-O-3 and a descriptive primary site label. Note that the label is the preferred ICD-O-3 bolded name and there may be other sites or sub-sites included in the code but not reflected in the preferred term. Refer to ICD-O-3 for further information. Cases with years of diagnosis before 1992 were converted to ICD-O-3 from earlier versions.

LATERALITY

NAACCR Item #: 410

SAS Variable Name: Laterality

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Laterality describes the side of a paired organ or side of the body on which the reportable tumor originated. Starting with cases diagnosed January 1, 2004 and later, laterality is coded for select invasive, benign, and borderline primary intracranial and CNS tumors.

See <http://seer.cancer.gov/manuals/primsite.laterality.pdf> for a list of sites for which SEER requires information on laterality.

| Code | Description |
|------|--|
| 0 | Not a paired site |
| 1 | Right: origin of primary |
| 2 | Left: origin of primary |
| 3 | Only one side involved, right or left origin unspecified |
| 4 | Bilateral involvement, lateral origin unknown; stated to be single primary <ul style="list-style-type: none">• Both ovaries involved simultaneously, single histology• Bilateral retinoblastomas• Bilateral Wilms's tumors |
| 5 | Paired site: midline tumor |
| 9 | Paired site, but no information concerning laterality; midline tumor |

FIELD DESCRIPTIONS

HISTOLOGIC TYPE ICD-O-3

NAACCR Item #: 522

SAS Variable Name: Histologic_Type_ICD_O_3

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: The data item Histologic Type describes the microscopic composition of cells and/or tissue for a specific primary. The tumor type or histology is a basis for staging and determination of treatment options. It affects the prognosis and course of the disease. The *International Classification of Diseases for Oncology, Third Edition (ICD-O-3)* is the standard reference for coding the histology for tumors diagnosed in 2001 and later.

All ICD-O-2 histologies for 1975-2000 were converted to ICD-O-3.

BEHAVIOR CODE ICD-O-3

NAACCR Item #: 523

SAS Variable Name: Behavior_code_ICD_O_3

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: SEER requires registries to collect malignancies with in situ /2 and malignant /3 behavior codes as described in ICD-O-3. SEER requires registries to collect benign /0 and borderline /1 intracranial and CNS tumors for cases diagnosed on or after 1/1/2004. Behavior is the fifth digit of the morphology code after the slash (/). See ICD-O-3 (page 66) for a discussion of the behavior code. Behavior code has had the same definitions in previous versions but may be associated differently with histologies over time. For example, borderline of the ovary were considered malignant in ICD-O-2 but benign in ICD-O-3. cases diagnosed in 1973-2000 were coded in earlier versions and converted to ICD-O-3 and coded directly for 2001+. In situ bladder cases have been converted to malignant in this field. See Behavior recode for consistency over time.

| Code | Description |
|------|---|
| 0 | Benign (Reportable for intracranial and CNS sites only) |
| 1 | Uncertain whether benign or malignant, borderline malignancy, low malignant potential, and uncertain malignant potential (Reportable for intracranial and CNS sites only) |
| 2 | Carcinoma in situ; intraepithelial; noninfiltrating; noninvasive |
| 3 | Malignant, primary site (invasive) |

All ICD-O-2 behaviors for 1975-2000 were converted to ICD-O-3.

FIELD DESCRIPTIONS

ICD-O-3 HIST/BEHAV

NAACCR Item #: N/A
SAS Variable Name: ICD_O_3_Hist_behav
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: Labeled version of ICD-O-3 values for all behaviors. See SEER*Stat dictionary for labels.

ICD-O-3 HIST/BEHAV, MALIGNANT

NAACCR Item #: N/A
SAS Variable Name: ICD_O_3_Hist_behav_malignant
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: Labeled version of ICD-O-3 values for malignant tumors. All non-malignant tumors are grouped into one value. See SEER*Stat dictionary for labels.

SCHEMA ID (2018+)

NAACCR Item #: 3800
SAS Variable Name: Schema_ID_2018
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: This variable allows the linkage of 2018+ Site-Specific Data Items (SSDIs), including grade data items, with the appropriate site/histology grouping.

GRADE CLINICAL (2018+)

NAACCR Item #: 3843
SAS Variable Name: Grade_Clinical_2018
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: Refer to the most recent Grade Manual for additional site-specific instructions.
<https://apps.naaccr.org/ssdi/list/>

FIELD DESCRIPTIONS

GRADE PATHOLOGICAL (2018+)

NAACCR Item #: 3844

SAS Variable Name: Grade_Pathological_2018

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Refer to the most recent Grade Manual for additional site-specific instructions.
<https://apps.naacr.org/ssdi/list/>

GRADE RECODE (THRU 2017)

NAACCR Item #: 440

SAS Variable Name: Grade_Recode_thru_2017

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Set to unknown for breast cases with conflicting data for Nottingham or Bloom-Richardson (BR) Score/Grade in 2010-2017. Based on grade codes in ICD-O-3. Cases diagnosed in 1973-2000 were coded in earlier versions and may lack the specificity of the 2001+ cases that were coded directly, especially for lymphomas/leukemias. For more information See data description:
<https://seer.cancer.gov/data-software/documentation/seerstat/nov2021/TextData.FileDescription.pdf>

| 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 | Unknown, cell type not determined, not stated or not applicable |

FIELD DESCRIPTIONS

DERIVED SUMMARY GRADE 2018 (2018+)

NAACCR Item #: 1975

SAS Variable Name: derivedSummaryGrade2018

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Derived from Grade Clinical (2018+), Item #=3843 and Grade Pathological (2018+), Item #=3844. Prior to 2018, grade was collected prior to neoadjuvant therapy, which is why Grade Post-therapy Clin (yc) and Grade Post-Therapy (yp) are not part of the calculation.

DIAGNOSTIC CONFIRMATION

NAACCR Item #: 490

SAS Variable Name: Diagnostic_Confirmation

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: This data item records the best method used to confirm the presence of the cancer being reported. The data item is not limited to the confirmation at the time of diagnosis; it is the best method of confirmation during the entire course of the disease.

Microscopically Confirmed

| Code | Description |
|-------------|---|
| 1 | Positive histology |
| 2 | Positive cytology |
| 3 | Positive histology PLUS - positive immunophenotyping AND/OR positive genetic studies (Used only for hematopoietic and lymphoid neoplasms M-9590/3-9992/3) |
| 4 | Positive microscopic confirmation, method not specified |

Not Microscopically Confirmed

| Code | Description |
|-------------|---|
| 5 | Positive laboratory test/marker study |
| 6 | Direct visualization without microscopic confirmation |
| 7 | Radiology and other imaging techniques without microscopic confirmation |
| 8 | Clinical diagnosis only (other than 5, 6, or 7) |

Confirmation Unknown

| Code | Description |
|-------------|---|
| 9 | Unknown whether microscopically confirmed; death certificate only |

FIELD DESCRIPTIONS

TYPE OF REPORTING SOURCE

NAACCR Item #: 500

SAS Variable Name: Type_of_Reporting_Source

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: The Type of Reporting Source identifies the source documents used to abstract the case. This is not necessarily the original document that identified the case; rather, it is the source that provided the best information. It is used in survival analysis to eliminate cases which are found at autopsy or the only information is from a death certificate.

| 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) |

EOD 10— SIZE (1988-2003)

NAACCR Item #: 780

SAS Variable Name: EOD_10_size_1988_2003

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This item is part of the 10-digit EOD (Item #779). It records the largest dimension of the primary tumor in millimeters. Unknown size=999.

This field is only coded for cases diagnosed 1988-2003. See *SEER Extent of Disease, 1988: Codes and Coding Instructions*, Third Edition for site-specific codes and coding rules, at <http://seer.cancer.gov/manuals/EOD10Dig.pub.pdf>.

Note: For 2004-2015, similar type of information was collected in CS Tumor Size (2004-2015) in the collaborative stage variables.

FIELD DESCRIPTIONS

EOD 10—EXTENT (1988-2003)

NAACCR Item #: 790

SAS Variable Name: EOD_10_extent_1988_2003

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This item codes the farthest documented extension of tumor away from the primary site, either by contiguous extension or distant metastases. Allowable values = 00-99.

This field is only coded for cases diagnosed 1988-2003. See *SEER Extent of Disease, 1988: Codes and Coding Instructions*, Third Edition for site-specific codes and coding rules, at <http://seer.cancer.gov/manuals/EOD10Dig.pub.pdf>.

Note: For 2004-2015, similar type of information was collected in CS extension (2004-2015) and CS Mets at DX (2004-2015) in the collaborative stage variables.

EOD 10—PROSTATE PATH EXT (1995-2003)

NAACCR Item #: 800

SAS Variable Name: EOD10Prostatepathext_1995_2003

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This is an additional field for prostate cancer only to reflect information from radical prostatectomy, effective with 1995 diagnoses. The field is left blank for all other primaries. Allowable values = 00-99.

This field is only coded for prostate cases diagnosed 1995-2003. See *SEER Extent of Disease, 1988: Codes and Coding Instructions*, Third Edition for site-specific codes and coding rules, at <http://seer.cancer.gov/manuals/EOD10Dig.pub.pdf>.

Note: For 2004+, similar type of information was collected in CS SSF 3 in the collaborative stage variables.

FIELD DESCRIPTIONS

EOD 10—NODES (1995-2003)

NAACCR Item #: 810

SAS Variable Name: EOD_10_nodes_1988_2003

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This item records the highest specific lymph node chain that is involved by the tumor. Allowable values = 0-9.

This field is only coded for cases diagnosed 1988-2003. See *SEER Extent of Disease, 1988: Codes and Coding Instructions*, Third Edition for site-specific codes and coding rules, at <http://seer.cancer.gov/manuals/EOD10Dig.pub.pdf>.

Note: For 2004-2015, similar type of information was collected in CS Lymph Nodes (2004-2015) in the collaborative stage variables.

REGIONAL NODES POSITIVE (1988+)

NAACCR Item #: 820

SAS Variable Name: Regional_nodes_positive_1988

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: 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 |
| 126 | Blank |

FIELD DESCRIPTIONS

REGIONAL NODES EXAMINED (1988+)

NAACCR Item #: 830

SAS Variable Name: Regional_nodes_examined_1988

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: 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 |
| 126 | Blank |

EXPANDED EOD (1) – EXPANDED EOD (13)

NAACCR Item #: 840

**SAS Variable Name: Expanded_EOD_1_CP65_1973_1982 --
Expanded_EOD_13_CP65_1973_1982**

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Detailed site-specific codes for EOD used by SEER for selected sites of cancer for tumors diagnosed 1975-1982, except death-certificate-only cases.

For details, reference the following website:

http://seer.cancer.gov/manuals/historic/EOD_1977.pdf

FIELD DESCRIPTIONS

2-DIGIT NS EOD / 2-DIGIT SS EOD1973-1982

NAACCR Item #: 850

SAS Variable Name: V2DigitNS_EOD_part_1_1973_1982
V2DigitNS_EOD_part_2_1973_1982
V2DigitSS_EOD_part_1_1973_1982
V2DigitSS_EOD_part_2_1973_1982

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Site-specific codes for EOD used by SEER for tumors diagnosed from January 1, 1973, to December 31, 1982, for cancer sites that did not have a 13-digit scheme. For details, reference the following website:
http://seer.cancer.gov/manuals/historic/EOD_1977.pdf

EOD 4 – SIZE (1983-1987)
EOD 4 – EXTENT (1983-1987)
EOD 4 – NODES (1983-1987)

NAACCR Item #: 860

SAS Variable Name: EOD_4_extent_1983_1987
EOD_4_nodes_1983_1987
EOD_4_size_1983_1987

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description Codes for site-specific EOD used by SEER for tumors diagnosed from January 1, 1983 to December 31, 1987 for all cancer sites. For details, reference the following website:
http://seer.cancer.gov/manuals/historic/EOD_1984.pdf

First and second digit- EOD 4 – SIZE (1983-1987)
Third digit- EOD 4 – EXTENT (1983-1987)
Fourth digit- EOD 4 – NODES (1983-1987)

FIELD DESCRIPTIONS

CODING SYSTEM – EOD (1973-2003)

NAACCR Item#: 870

SAS Variable Name: Coding_system_EOD_1973_2003

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Indicates the type of SEER EOD code applied to the tumor.

| Code | Description |
|-------------|---|
| 0 | 2-Digit Nonspecific Extent of Disease (1973-82) |
| 1 | 2-Digit Site-Specific Extent of Disease (1973-82) |
| 2 | 13-Digit (expanded) Site Specific Extent of Disease (1973-82) |
| 3 | 4-Digit Extent of Disease (1983-87) |
| 4 | 10-Digit Extent of Disease, 1988 (1988-2003) |
| 6 | Blank |

TUMOR MARKER 1 (1990-2003)

NAACCR Item #: 1150

SAS Variable Name: Tumor_marker_1_1990_2003

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This data item records prognostic indicators for breast cases (ERA 1990-2003), prostate cases (PAP 1998-2003) and testis cases (AFP 1998-2003).

| Code | Description |
|-------------|---|
| 0 | None Done |
| 1 | Positive |
| 2 | Negative |
| 3 | Borderline; undetermined whether positive or negative |
| 8 | Ordered, but results not in chart |
| 9 | Unknown or no information |
| 14 | Blank |

(Continued on next page)

FIELD DESCRIPTIONS

(Continued from TUMOR MARKER 1 (1990-2003))

For Testicular Cancer Cases (AFP 1998-2003)

| Code | Description |
|-------------|-----------------------------------|
| 0 | None Done (SX) |
| 2 | Within normal limits (S0) |
| 4 | Range 1 (S1) <1,000 ng/ml |
| 5 | Range 2 (S2) 1,000 – 10,000 ng/ml |
| 6 | Range 3 (S3) >10,000 ng/ml |
| 8 | Ordered, but results not in chart |
| 9 | Unknown or no information |
| 14 | Blank |

For All Other Cases

| Code | Description |
|-------------|--------------------|
| 9 | Not applicable |

All sites except Breast diagnosed 1990-1997 are coded 9.

All diagnoses before January 1, 1990 are coded 9.

All diagnoses after 2003 are blank.

For Breast and Testis cases diagnosed 2004+, this information is collected using CS Site-Specific Factor 1 (NAACCR Item #2880). For Prostate cases diagnosed 2004+, information is no longer collected.

For breast cancer cases, ERA over time is available in ER Status Recode Breast Cancer (1990+).

FIELD DESCRIPTIONS

TUMOR MARKER 2 (1990-2003)

NAACCR Item #: 1160

SAS Variable Name: Tumor_marker_2_1990_2003

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This data item records prognostic indicators for breast cases (PRA 1990-2003) and testis cases (hCG 1998-2003).

For Breast Cancer Cases (PRA 1990-2003)

| Code | Description |
|-------------|---|
| 0 | None Done |
| 1 | Positive |
| 2 | Negative |
| 3 | Borderline; undetermined whether positive or negative |
| 8 | Ordered, but results not in chart |
| 9 | Unknown or no information |
| 14 | Blank |

For Testicular Cancer Cases (hCG 1998-2003)

| Code | Description |
|-------------|------------------------------------|
| 0 | None Done (SX) |
| 2 | Within normal limits (S0) |
| 4 | Range 1 (S1) <5,000 mIU/ml |
| 5 | Range 2 (S2) 5,000 – 50,000 mIU/ml |
| 6 | Range 3 (S3) to >50,000 mIU/ml |
| 8 | Ordered, but results not in chart |
| 9 | Unknown or no information |
| 14 | Blank |

For All Other Cases

| Code | Description |
|-------------|--------------------|
| 9 | Not applicable |

All sites except Breast diagnosed 1990-1997 are coded 9.

All diagnoses before January 1, 1990 are coded 9.

All diagnoses after 2003 are blank.

For Breast and Testis cases diagnosed 2004+, this information is collected using CS Site-Specific Factor 2 (NAACCR Item #2890).

For breast cancer cases, PRA over time is available in PR Status Recode Breast Cancer (1990+).

FIELD DESCRIPTIONS

TUMOR MARKER 3 (1998-2003)

NAACCR Item #: 1170

SAS Variable Name: Tumor_marker_3_1990_2003

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This data item records prognostic indicators for testis cases (LDH 1998-2003)

| Code | Description |
|-------------|---|
| 0 | None Done (SX) |
| 2 | Within normal limits (S0) |
| 4 | Range 1 (S1) <1.5 x upper limit of normal for LDH assay |
| 5 | Range 2 (S2) 1.5 – 10 x upper limit of normal for LDH assay |
| 6 | Range 3 (S3) >10 x upper limit of normal for LDH assay |
| 8 | Ordered, results not in chart |
| 9 | Unknown or no information |
| 14 | Blank |

All sites except testis diagnosed 1998-2003 are coded 9.

All diagnoses before 1998 are coded 9.

All diagnoses after 2003 are blank.

For Testis cases diagnosed 2004+, this information is collected using CS Site-Specific Factor 3 (NAACCR Item # 2900).

FIELD DESCRIPTIONS

CS TUMOR SIZE (2004-2015)

NAACCR Item #: 2800

SAS Variable Name: CS_tumor_size_2004_2015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Information on tumor size. Available for 2004-2015 diagnosis years. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS. For more information, see <http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage>.

| 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 |
| 1022 | Blank |

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)

FIELD DESCRIPTIONS

CS EXTENSION (2004-2015)

NAACCR Item #: 2810

SAS Variable Name: CS_extension_2004_2015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Information on extension of the tumor. Available for 2004-2015 diagnosis years. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS. For more information, see <http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage>.

Note: This item was originally a 2-digit field and was expanded to 3 digits during conversion. Generally, a zero was added to the right of the existing 2-digit field, except for 99 which became 999.

CS LYMPH NODES (2004-2015)

NAACCR Item #: 2830

SAS Variable Name: CS_lymph_nodes_2004_2015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Information on involvement of lymph nodes. Available for 2004-2015 diagnosis years. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS. For more information, see <http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage>.

Note: This item was originally a 2-digit field and was expanded to 3 digits during conversion. Generally, a zero was added to the right of the existing 2-digit field, except for 99 which became 999.

CS METS AT DX (2004-2015)

NAACCR Item #: 2850

SAS Variable Name: CS_mets_at_dx_2004_2015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Information on distant metastasis. Available for 2004-2015 diagnosis years. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS. For more information, see <http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage>.

FIELD DESCRIPTIONS

CS SITE-SPECIFIC FACTOR 1 (2004-2017 varying by schema)

NAACCR Item #: 2880

SAS Variable Name: CSsitespecificfactor120042017va

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Each CS site-specific factor (SSF) is schema dependent. They can provide information needed to stage the case, clinically relevant information, or prognostic information. Available for varying years and schemas depending on standard setter requirements. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS.

For more information, see [variable documentation](#).

CS SITE-SPECIFIC FACTOR 2 (2004-2017 varying by schema)

NAACCR Item #: 2890

SAS Variable Name: CSsitespecificfactor220042017va

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Each CS site-specific factor (SSF) is schema dependent. They can provide information needed to stage the case, clinically relevant information, or prognostic information. Available for varying years and schemas depending on standard setter requirements. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS.

For more information, see [variable documentation](#).

CS SITE-SPECIFIC FACTOR 3 (2004-2017 varying by schema)

NAACCR Item #: 2900

SAS Variable Name: CSsitespecificfactor320042017va

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Each CS site-specific factor (SSF) is schema dependent. They can provide information needed to stage the case, clinically relevant information, or prognostic information. Available for varying years and schemas depending on standard setter requirements. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS.

For more information, see [variable documentation](#).

FIELD DESCRIPTIONS

CS SITE-SPECIFIC FACTOR 4 (2004-2017 varying by schema)

NAACCR Item #: 2910

SAS Variable Name: CSsitespecificfactor420042017va

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Each CS site-specific factor (SSF) is schema dependent. They can provide information needed to stage the case, clinically relevant information, or prognostic information. Available for varying years and schemas depending on standard setter requirements. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS.

For more information, see [variable documentation](#).

CS SITE-SPECIFIC FACTOR 5 (2004-2017 varying by schema)

NAACCR Item #: 2920

SAS Variable Name: CSsitespecificfactor520042017va

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Each CS site-specific factor (SSF) is schema dependent. They can provide information needed to stage the case, clinically relevant information, or prognostic information. Available for varying years and schemas depending on standard setter requirements. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS.

For more information, see [variable documentation](#).

CS SITE-SPECIFIC FACTOR 6 (2004-2017 varying by schema)

NAACCR Item #: 2930

SAS Variable Name: CSsitespecificfactor620042017va

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Each CS site-specific factor (SSF) is schema dependent. They can provide information needed to stage the case, clinically relevant information, or prognostic information. Available for varying years and schemas depending on standard setter requirements. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS.

For more information, see [variable documentation](#).

FIELD DESCRIPTIONS

ADJUSTED CS SITE-SPECIFIC FACTOR 7 (2004-2017 VARYING BY SCHEMA)

NAACCR Item #: 2861

SAS Variable Name: AdjustedCSsitespecificfactor720

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Set to unknown for breast cases with conflicting data for Grade. Each CS site-specific factor (SSF) is schema dependent. They can provide information needed to stage the case, clinically relevant information, or prognostic information. Available for varying years and schemas depending on standard setter requirements. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS. For more information, see <https://seer.cancer.gov/seerstat/variables/seer/ajcc-stage/>.

CS SITE-SPECIFIC FACTOR 8 (2004-2017 varying by schema)

NAACCR Item #: 2862

SAS Variable Name: CSsitespecificfactor820042017va

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Each CS site-specific factor (SSF) is schema dependent. They can provide information needed to stage the case, clinically relevant information, or prognostic information. Available for varying years and schemas depending on standard setter requirements. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS.

For more information, see [variable documentation](#).

CS SITE-SPECIFIC FACTOR 9 (2004-2017 varying by schema)

NAACCR Item #: 2863

SAS Variable Name: CSsitespecificfactor920042017va

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Each CS site-specific factor (SSF) is schema dependent. They can provide information needed to stage the case, clinically relevant information, or prognostic information. Available for varying years and schemas depending on standard setter requirements. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS.

For more information, see [variable documentation](#).

FIELD DESCRIPTIONS

CS SITE-SPECIFIC FACTOR 10 (2004-2017 varying by schema)

NAACCR Item #: 2864

SAS Variable Name: CSsitespecificfactor1020042017v

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Each CS site-specific factor (SSF) is schema dependent. They can provide information needed to stage the case, clinically relevant information, or prognostic information. Available for varying years and schemas depending on standard setter requirements. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS.

For more information, see [variable documentation](#).

CS SITE-SPECIFIC FACTOR 11 (2004-2017 varying by schema)

NAACCR Item #: 2865

SAS Variable Name: CSsitespecificfactor1120042017v

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Each CS site-specific factor (SSF) is schema dependent. They can provide information needed to stage the case, clinically relevant information, or prognostic information. Available for varying years and schemas depending on standard setter requirements. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS.

For more information, see [variable documentation](#).

CS SITE-SPECIFIC FACTOR 12 (2004-2017 varying by schema)

NAACCR Item #: 2866

SAS Variable Name: CSsitespecificfactor1220042017v

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Each CS site-specific factor (SSF) is schema dependent. They can provide information needed to stage the case, clinically relevant information, or prognostic information. Available for varying years and schemas depending on standard setter requirements. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS.

For more information, see [variable documentation](#).

FIELD DESCRIPTIONS

CS SITE-SPECIFIC FACTOR 13 (2004-2017 varying by schema)

NAACCR Item #: 2867

SAS Variable Name: CSsitespecificfactor1320042017v

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Each CS site-specific factor (SSF) is schema dependent. They can provide information needed to stage the case, clinically relevant information, or prognostic information. Available for varying years and schemas depending on standard setter requirements. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS.

For more information, see [variable documentation](#).

CS SITE-SPECIFIC FACTOR 15 (2004-2017 varying by schema)

NAACCR Item #: 2869

SAS Variable Name: CSsitespecificfactor1520042017v

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Each CS site-specific factor (SSF) is schema dependent. They can provide information needed to stage the case, clinically relevant information, or prognostic information. Available for varying years and schemas depending on standard setter requirements. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS.

For more information, see [variable documentation](#).

CS SITE-SPECIFIC FACTOR 16 (2004-2017 varying by schema)

NAACCR Item #: 2870

SAS Variable Name: CSsitespecificfactor1620042017v

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Each CS site-specific factor (SSF) is schema dependent. They can provide information needed to stage the case, clinically relevant information, or prognostic information. Available for varying years and schemas depending on standard setter requirements. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS.

For more information, see [variable documentation](#).

FIELD DESCRIPTIONS

CS SITE-SPECIFIC FACTOR 25 (2004-2017 varying by schema)

NAACCR Item #: 2879

SAS Variable Name: CSsitespecificfactor2520042017v

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Each CS site-specific factor (SSF) is schema dependent. They can provide information needed to stage the case, clinically relevant information, or prognostic information. Available for varying years and schemas depending on standard setter requirements. Earlier cases may be converted and new codes added which weren't available for use prior to the current version of CS.

For more information, see [variable documentation](#).

FIELD DESCRIPTIONS

DERIVED AJCC T, 6th ED (2004-2015)

NAACCR Item #: 2940

SAS Variable Name: DerivedAJCC_T_6th_ed_2004_2015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This is the AJCC “T” component that is derived from CS coded fields, using the CS algorithm, effective with 2004-2015 diagnosis years. For more information, see [variable documentation](#).

| 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 |
| 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 |
| 126 | Blank |

FIELD DESCRIPTIONS

DERIVED AJCC N, 6th ED (2004-2015)

NAACCR Item #: 2960

SAS Variable Name: DerivedAJCC_N_6th_ed_2004_2015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This is the AJCC “N” component that is derived from CS coded fields, using the CS algorithm, effective with 2004-2015 diagnosis years. For more information, see [variable documentation](#).

| 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 |
| 126 | Blank |

FIELD DESCRIPTIONS

DERIVED AJCC M, 6th ED (2004-2015)

NAACCR Item #: 2980

SAS Variable Name: DerivedAJCC_M_6th_ed_2004_2015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This is the AJCC “M” component that is derived from CS coded fields, using the CS algorithm, effective with 2004-2015 diagnosis years. For more information, see [variable documentation](#).

| Code | Description |
|------|----------------|
| 99 | MX |
| 00 | M0 |
| 10 | M1 |
| 11 | M1a |
| 12 | M1b |
| 13 | M1c |
| 19 | M1 NOS |
| 88 | Not applicable |
| 126 | Blank |

DERIVED AJCC STAGE GROUP, 6th ED (2004-2015)

NAACCR Item #: 3000

SAS Variable Name: DerivedAJCCStageGroup6thed2004

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This is the AJCC “Stage Group” component that is derived from CS detailed site-specific codes, using the CS algorithm, effective with 2004-2015 diagnosis years. For more information, see [variable documentation](#).

| Code | Description |
|------|-------------|
| 00 | Stage 0 |
| 01 | Stage 0a |
| 02 | Stage 0is |
| 10 | Stage I |
| 11 | Stage I NOS |
| 12 | Stage IA |
| 13 | Stage IA1 |
| 14 | Stage IA2 |
| 15 | Stage IB |
| 16 | Stage IB1 |
| 17 | Stage IB2 |
| 18 | Stage IC |

(Continued on next page)

FIELD DESCRIPTIONS

(Continued from DERIVED AJCC STAGE GROUP, 6th ED (2004-2015))

| Code | Description |
|-------------|------------------------------|
| 19 | Stage IS |
| 23 | Stage ISA (lymphoma only) |
| 24 | Stage ISB (lymphoma only) |
| 20 | Stage IEA (lymphoma only) |
| 21 | Stage IEB (lymphoma only) |
| 22 | Stage IE (lymphoma only) |
| 30 | Stage II |
| 31 | Stage II NOS |
| 32 | Stage IIA |
| 33 | Stage IIB |
| 34 | Stage IIC |
| 35 | Stage IIEA (lymphoma only) |
| 36 | Stage IIEB (lymphoma only) |
| 37 | Stage IIE (lymphoma only) |
| 38 | Stage IISA (lymphoma only) |
| 39 | Stage IISB (lymphoma only) |
| 40 | Stage IIS (lymphoma only) |
| 41 | Stage IIESA (lymphoma only) |
| 42 | Stage IIESB (lymphoma only) |
| 43 | Stage IIES (lymphoma only) |
| 50 | Stage III |
| 51 | Stage III NOS |
| 52 | Stage IIIA |
| 53 | Stage IIIB |
| 54 | Stage IIIC |
| 55 | Stage IIIEA (lymphoma only) |
| 56 | Stage IIIEB (lymphoma only) |
| 57 | Stage IIIE (lymphoma only) |
| 58 | Stage IIISA (lymphoma only) |
| 59 | Stage IIISB (lymphoma only) |
| 60 | Stage IIIS (lymphoma only) |
| 61 | Stage IIIESA (lymphoma only) |
| 62 | Stage IIIESB (lymphoma only) |
| 63 | Stage IIIES (lymphoma only) |
| 70 | Stage IV |
| 71 | Stage IV NOS |
| 72 | Stage IVA |
| 73 | Stage IVB |
| 74 | Stage IVC |
| 88 | Not applicable |
| 90 | Stage Occult |
| 99 | Stage Unknown |
| 126 | Blank |

FIELD DESCRIPTIONS

SEER COMBINED SUMMARY STAGE 2000 (2004-2017)

NAACCR Item #: N/A

SAS Variable Name: SEERCombinedSummaryStage2000200

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Combination of NAACCR Items #759 and #3020. For 2004-2015 cases, it is copied from Derived SS2000 and for 2016+, it is the best available between Derived SS2000 and SEER Summary Stage 2000. All benign/borderline cases are set to NA.

COMBINED SUMMARY STAGE (2004+)

NAACCR Item #: N/A

SAS Variable Name: Combined_Summary_Stage_2004

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Combined Summary Stage field to facilitate stage analyses over time. Created from SEER Combined Summary Stage 2000 (2004-2017) & Derived Summary Stage 2018 (2018+). For more information including sites, years and registries for which it isn't calculated, see <https://seer.cancer.gov/seerstat/variables/seer/lrd-stage/>

CS VERSION INPUT ORIGINAL (2004-2015)

NAACCR Item #: 2935

SAS Variable Name: CSversioninputoriginal20042015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This item indicates the number of the version used to initially code CS fields. The first two digits represent the major version number; the second two digits represent minor version changes; and, the last two digits represent even less significant changes, such as corrections of typographical errors that do not affect coding or derivation of results.

This data item along with CS version input current gives info on what document to use for the CS codes. For more information, see <http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage.>

FIELD DESCRIPTIONS

CS VERSION DERIVED (2004-2015)

NAACCR Item #: 2936

SAS Variable Name: CS_version_derived_2004_2015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This item indicates the number of the version of the CS used most recently to derive the CS output fields. The first two digits represent the major version number; the second two digits represent minor version changes; and, the last two digits represent even less significant changes, such as corrections of typographical errors that do not affect coding or derivation of results.

CS VERSION INPUT CURRENT (2004-2015)

NAACCR Item #: 2937

SAS Variable Name: CSversioninputcurrent2004_2015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This item indicates the number of the version of the CS after input fields have been updated or recoded. The first two digits represent the major version number; the second two digits represent minor version changes; and, the last two digits represent even less significant changes, such as corrections of typographical errors that do not affect coding or derivation of results.

This data item along with CS version input original gives info on what document to use for the CS codes. For more information, see

<http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage>.

FIELD DESCRIPTIONS

RX SUMM—SURG PRIM SITE (1998+)

NAACCR Item #: 1290

SAS Variable Name: RX_Summ_Surg_Prim_Site_1998

Research: Yes

Research Limited-Field: Yes (2003+)

Research Plus Limited-Field: Yes (2003+)

Field Description: Surgery of Primary Site describes a surgical procedure that removes and/or destroys tissue of the primary site performed as part of the initial work-up or first course of therapy. The actual coding schemes for individual sites and diagnosis years can be viewed [here](#)

The amount/detail of information has varied over time and caution should be used when looking at trends over time.

General Coding Structure

| Code | Description |
|-------|---|
| 00 | None; no surgical procedure of primary site; diagnosed at autopsy only |
| 10-19 | Site-specific codes. Tumor destruction; no pathologic specimen or unknown whether there is a pathologic specimen |
| 20-80 | Site-specific codes. Resection; pathologic specimen |
| 90 | Surgery, NOS. A surgical procedure to the primary site was done, but no information on the type of surgical procedure is provided. |
| 98 | Special codes for hematopoietic, reticuloendothelial, immunoproliferative, myeloproliferative diseases; ill-defined sites; and unknown primaries (See site-specific codes for the sites and histologies), except death certificate only |
| 99 | Unknown if surgery performed; death certificate only |
| 126 | Blank |

For diagnosis years 1998-2002, SEER registries were required to convert field RX Summ—Surg Site 98-02 (NAACCR Item #1646) to RX Summ—Surg Prim Site.

FIELD DESCRIPTIONS

RX SUMM—SCOPE REG LN SUR (2003+)

NAACCR Item #: 1292

SAS Variable Name: RX_Summ_Scope_Reg_LN_Sur_2003

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Scope of Regional Lymph Node Surgery describes the procedure of removal, biopsy, or aspiration of **regional** lymph nodes performed during the initial work-up or first course of therapy at all facilities.

Changed to Unknown or Not Applicable for breast cancer cases. See http://seer.cancer.gov/seerstat/variables/seer/regional_ln/ for more information.

| Code | Description |
|-------------|---|
| 0 | No regional lymph nodes removed or aspirated; diagnosed at autopsy. |
| 1 | Biopsy or aspiration of regional lymph node, NOS |
| 2 | Sentinel lymph node biopsy [only] |
| 3 | Number of regional lymph nodes removed unknown, not stated; regional lymph nodes removed, NOS |
| 4 | 1 to 3 regional lymph nodes removed |
| 5 | 4 or more regional lymph nodes removed |
| 6 | Sentinel node biopsy and code 3, 4, or 5 at same time or timing not noted |
| 7 | Sentinel node biopsy and code 3, 4, or 5 at different times |
| 9 | Unknown or not applicable; death certificate only |
| 14 | Blank |

FIELD DESCRIPTIONS

RX SUMM-SURG OTH REG/DIS (2003+)

NAACCR Item #: 1294

SAS Variable Name: RX_Summ_Surg_Oth_Reg_Dis_2003

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Surgical procedure of Other Site describes the surgical removal of distant lymph node(s) or other tissue(s) or organ(s) beyond the primary site.

| Code | Description |
|-------------|---|
| 0 | None; diagnosed at autopsy |
| 1 | Nonprimary surgical procedure performed |
| 2 | Nonprimary surgical procedure to other regional sites |
| 3 | Non-primary surgical procedure to distant lymph node(s) |
| 4 | Nonprimary surgical procedure to distant site |
| 5 | Combination of codes 2, 3, or 4 |
| 9 | Unknown; death certificate only |
| 14 | Blank |

RX SUMM-REG LN EXAMINED (1998-2002)

NAACCR Item #: 1296

SAS Variable Name: RXSummRegLN_Examined_1998_2002

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This data item records the number of regional lymph nodes examined in conjunction with surgery performed as part of the first course of treatment at all facilities. This item is only available for cases diagnosed 1998-2002.

| Code | Description |
|-------------|--|
| 00 | No regional lymph nodes examined |
| 01 | One regional lymph node examined |
| 02 | Two regional lymph nodes examined |
| .. | (Actual number of lymph nodes examined) |
| 90 | 90 or more regional lymph nodes examined |
| 95 | No regional lymph nodes examined |
| 96 | Regional lymph node removal documented as sampling, and number of lymph nodes unknown/not stated |
| 97 | Regional lymph node removal documented as dissection, and number of lymph nodes unknown/not stated |
| 98 | Regional lymph nodes surgically removed, but number of lymph nodes unknown/not stated and not documented as sampling or dissection |
| 99 | Unknown; not stated; death certificate-only |
| 126 | Blank |

FIELD DESCRIPTIONS

RX SUMM-SYSTEMIC/SUR SEQ (2007+)

NAACCR Item #: 1639

SAS Variable Name: RX_Summ_Systemic_Sur_Seq_2007

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: This data item records the sequencing of systemic therapy and surgical procedures given as part of first course of treatment.

| Code | Description |
|-------------|--|
| 0 | No systemic therapy and/or surgical procedures; unknown if surgery and/or systemic therapy given |
| 2 | Systemic therapy before surgery |
| 3 | Systemic therapy after surgery |
| 4 | Systemic therapy both before and after surgery |
| 5 | Intraoperative systemic therapy |
| 6 | Intraoperative systemic therapy with other therapy administered before and/or after surgery |
| 7 | Surgery both before and after systemic therapy |
| 9 | Sequence unknown, but both surgery and systemic therapy given |

RX SUMM—SURG/RAD SEQ

NAACCR Item #: 1380

SAS Variable Name: Radiation_sequence_with_surgery

Research: Yes

Research Limited-Field: Yes (2006+)

Research Plus Limited-Field: Yes (2006+)

Field Description: This field records the order in which surgery and radiation therapies were administered for those patients who had both surgery and radiation.

| Code | Description |
|-------------|---|
| 0 | No radiation and/or surgery as defined above |
| 2 | Radiation before surgery |
| 3 | Radiation after surgery |
| 4 | Radiation both before and after surgery |
| 5 | Intraoperative radiation |
| 6 | Intraoperative radiation with other radiation given before and/or after surgery |
| 7 | Surgery both before and after radiation |
| 9 | Sequence unknown, but both surgery and radiation were given |

FIELD DESCRIPTIONS

REASON NO CANCER-DIRECTED SURGERY

NAACCR Item #: 1340

SAS Variable Name: Reasonnocancerdirected_surgery

Research: Yes

Research Limited-Field: Yes (2006+)

Research Plus Limited-Field: Yes (2006+)

Field Description: This data item documents the reason that surgery was not performed.

| Code | Description |
|-------------|--------------------|
| 0 | Surgery performed |

No surgery

| Code | Description |
|-------------|--|
| 1* | Surgery not recommended |
| 2* | Contraindicated due to other conditions; Autopsy Only case (1973-2002) |
| 5 | Patient died before recommended surgery |
| 6 | Unknown reason for no surgery |
| 7* | Patient or patient's guardian refused |

Unknown if surgery performed

| Code | Description |
|-------------|--|
| 8 | Recommended, unknown if done |
| 9 | Unknown if surgery performed; Death Certificate Only case; Autopsy only case (2003+) |
| 14 | Blank |

*Codes not used prior to 1988. Code '2' used only for Autopsy Only cases prior to 1988.

FIELD DESCRIPTIONS

RADIATION RECODE

NAACCR Item #: N/A

SAS Variable Name: Radiation_recode

Research: Yes

Research Limited-Field: Yes (2003+, excl IL & TX)

Research Plus Limited-Field: Yes (2003+, excl IL & TX)

Field Description: Created from RX Summ—Radiation, Item #=1360, for 1975-2017 and Phase X Radiation Treatment Modality, Item #s=1506, 1516 and 1526, for 2018+. Unknown has been combined with None. Please consider limitations when using this field: <https://seer.cancer.gov/data/treatment.html>

| Code | Description |
|------|---|
| 0 | None/Unknown; diagnosed at autopsy |
| 1 | Beam radiation |
| 2 | Radioactive implants |
| 3 | Radioisotopes |
| 4 | Combination of 1 with 2 or 3 |
| 5 | Radiation, NOS—method or source not specified |
| 6 | Other radiation (1973-1987 cases only) |
| 7 | Patient or patient's guardian refused radiation therapy |
| 8 | Radiation recommended, unknown if administered |

CHEMOTHERAPY RECODE (YES, NO/UNK)

NAACCR Item #: N/A

SAS Variable Name: Chemotherapy_recode_yes_no_unk

Research: Yes

Research Limited-Field: Yes (2004+)

Research Plus Limited-Field: Yes (2004+)

Field Description: This field records whether chemotherapy was given. Created from NAACCR Item 1360.

| Code | Description |
|------|--------------|
| 0 | None/Unknown |
| 1 | Yes |

FIELD DESCRIPTIONS

SITE SPECIFIC SURGERY (1973-1997 VARYING DETAIL BY YEAR AND SITE)

NAACCR Item #: 1640

SAS Variable Name: Sitespecificsurgery19731997var

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: For detailed information on individual sites and time periods please see:
<http://seer.cancer.gov/seerstat/variables/seer/surgery/>

This field specifies information on surgery during first course of therapy whether it was cancer-directed or not. (Prior to 1988 SEER did not collect information on surgical procedures if not cancer-directed.) The Reason for No Cancer-directed Surgery field must be used to distinguish among no cancer-directed surgery performed; cancer-directed surgery recommended, unknown if performed; and unknown if cancer-directed surgery performed.

SCOPE OF REG LYMPH ND SURG (1998-2002)

NAACCR Item #: 1647

SAS Variable Name: Scopeofreglymphndsurg1998_2002

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This field describes the removal, biopsy or aspiration of regional lymph node(s) at the time of surgery of the primary site or during a separate surgical event at all facilities for cases diagnosed 1998-2002.

Changed to Unknown or Not Applicable for breast cancer cases. See http://seer.cancer.gov/seerstat/variables/seer/regional_ln/ for more information.

See <http://seer.cancer.gov/manuals/historic/AppendC.pdf> for a list of valid codes.

FIELD DESCRIPTIONS

SURGERY OF OTH REG/DIS SITES (1998-2002)

NAACCR Item #: 1648

SAS Variable Name: Surgeryofothregdissites1998200

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This field records the removal of distant lymph nodes or other tissue(s)/organ(s) beyond the primary site given at all facilities as part of the first course of treatment for cases diagnosed 1998-2002.

See <http://seer.cancer.gov/manuals/historic/AppendC.pdf> for a list of valid codes.

RECORD NUMBER RECODE

NAACCR Item #: 1775

SAS Variable Name: Record_number_recode

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: This variable sequentially numbers a person's tumors. The ordered values are based on date of diagnosis and then sequence number. This variable is used as part of the algorithm for calculating the survival time recode variables (NAACCR items 1782-1788) and is used for survival, prevalence, and multiple primary – standardized incidence ratio analyses in SEER*Stat.

| Code | Description |
|------|------------------------------|
| 01 | Record number 01 for patient |
| 02 | Record number 02 for patient |
| .. | .. |
| .. | .. |
| 99 | Record number 99 for patient |

FIELD DESCRIPTIONS

AGE RECODE WITH <1 YEAR OLDS

NAACCR Item #: N/A

SAS Variable Name: Age_recode_with_1_year_olds

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: 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. This recode has 19 age groups in the age recode variable (< 1 year, 1-4 years, 5-9 years, ..., 85+ years).

| 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+ |
| 29 | Unknown Age |

FIELD DESCRIPTIONS

SITE RECODE ICD-O-3/WHO 2008

NAACCR Item #: N/A
SAS Variable Name: Site_recode_ICD_O_3_WHO_2008
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: A recode based on Primary Site and ICD-O-3 Histology in order to make analyses of site/histology groups easier. For example, the lymphomas are excluded from stomach and Kaposi and mesothelioma are separate categories based on histology. For more information, see http://seer.cancer.gov/siterecode/icdo3_dwhohome/index.html

SITE RECODE ICD-O-3/WHO 2008 (for SIRs)

NAACCR Item #: N/A
SAS Variable Name: SiterecodeICDO3WHO2008_for_SIRs
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: Preferred site categorization for use with Standardized Incidence Ratios (SIRs). For more information, see <https://seer.cancer.gov/siterecode>

SITE RECODE – RARE TUMORS

NAACCR Item #: N/A
SAS Variable Name: Site_recode_rare_tumors
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: Cancer type grouping to define clinically relevant, histologically defined rare cancers. For more information, see <https://seer.cancer.gov/seerstat/variables/seer/raresiterecode/>

FIELD DESCRIPTIONS

BEHAVIOR RECODE FOR ANALYSIS

NAACCR Item #: N/A

SAS Variable Name: Behavior_recode_for_analysis

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: This recode was created so that data analyses could eliminate major groups of histologies/behaviors that weren't collected consistently over time, for example benign brain, myelodysplastic syndromes, and borderline tumors of the ovary. Created from ICD-O-3 behavior and histology. For more information, see <http://seer.cancer.gov/behavrecode>.

| 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+ |

FIELD DESCRIPTIONS

HISTOLOGY RECODE—BROAD GROUPINGS

NAACCR Item #: N/A

SAS Variable Name: Histologyrecodebroad_groupings

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Based on Histologic Type ICD-O-3.

| 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 |

(Continued on next page)

FIELD DESCRIPTIONS

(Continued from HISTOLOGY RECODE—BROAD GROUPINGS)

| 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 |

FIELD DESCRIPTIONS

ICCC SITE RECODE EXTENDED 3RD EDITION/IARC 2017

NAACCR Item #: N/A

SAS Variable Name: ICCCsiterecodeextended3rdediti

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Based on ICD-O-3. For more information on this International Classification of Childhood Cancer (ICCC) site/histology recode, see <https://seer.cancer.gov/iccc>. While the recode is normally used for childhood cancers, it is on the file for all ages so that childhood cancers could be compared across age groups. For more information, see <https://seer.cancer.gov/iccc/iccc-iarc-2017.html>

TNM 7/CS v0204+ Schema (thru 2017)

NAACCR Item #: N/A

SAS Variable Name: TNM_7_CS_v0204_Schema_thru_2017

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: CS information is collected under the specifications of a particular schema based on site and histology. This recode should be used in any analysis of 7th ed stage and T, N, M.

(Table begins on next page)

FIELD DESCRIPTIONS

(Continued from TNM 7/CS v0204+ (thru 2017))

| Code | Description |
|-------------|---------------------|
| 001 | AdnexaUterineOther |
| 002 | AdrenalGland |
| 003 | AmpullaVater |
| 004 | Anus |
| 005 | Appendix |
| 006 | BileDuctsDistal |
| 007 | BileDuctsIntraHepat |
| 008 | BileDuctsPerihilar |
| 009 | BiliaryOther |
| 010 | Bladder |
| 011 | Bone |
| 012 | Brain |
| 013 | Breast |
| 014 | BuccalMucosa |
| 015 | CarcinoidAppendix |
| 016 | Cervix |
| 017 | CNSOther |
| 018 | Colon |
| 019 | Conjunctiva |
| 020 | CorpusAdenosarcoma |
| 021 | CorpusCarcinoma |
| 022 | CorpusSarcoma |
| 023 | CysticDuct |
| 024 | DigestiveOther |
| 025 | EndocrineOther |
| 026 | EpiglottisAnterior |
| 027 | Esophagus |
| 028 | EsophagusGEJunction |

(Continued on next page)

FIELD DESCRIPTIONS

(Continued from TNM 7/CS v0204+ (thru 2017))

| Code | Description |
|-------------|--------------------|
| 029 | EyeOther |
| 030 | FallopianTube |
| 031 | FloorMouth |
| 032 | Gallbladder |
| 033 | GenitalFemaleOther |
| 034 | GenitalMaleOther |
| 035 | GISTAppendix |
| 036 | GISTColon |
| 037 | GISTEsophagus |
| 038 | GISTPeritoneum |
| 039 | GISTRectum |
| 040 | GISTSmallIntestine |
| 041 | GISTStomach |
| 042 | GumLower |
| 043 | GumOther |
| 044 | GumUpper |
| 045 | HeartMediastinum |
| 046 | HemeRetic |
| 047 | Hypopharynx |
| 048 | IllDefinedOther |
| 049 | IntracranialGland |
| 050 | KaposiSarcoma |
| 051 | KidneyParenchyma |
| 052 | KidneyRenalPelvis |
| 053 | LacrimalGland |
| 054 | LacrimalSac |
| 055 | LarynxGlottic |
| 056 | LarynxOther |
| 057 | LarynxSubglottic |
| 058 | LarynxSupraglottic |
| 059 | LipLower |
| 060 | LipOther |
| 061 | LipUpper |
| 062 | Liver |
| 063 | Lung |

(Continued on next page)

FIELD DESCRIPTIONS

(Continued from TNM 7/CS v0204+ (thru 2017))

| Code | Description |
|-------------|----------------------------|
| 064 | Lymphoma |
| 065 | LymphomaOcularAdnexa |
| 066 | MelanomaBuccalMucosa |
| 067 | MelanomaChoroid |
| 068 | MelanomaCiliaryBody |
| 069 | MelanomaConjunctiva |
| 070 | MelanomaEpiglottisAnterior |
| 071 | MelanomaEyeOther |
| 072 | MelanomaFloorMouth |
| 073 | MelanomaGumLower |
| 074 | MelanomaGumOther |
| 075 | MelanomaGumUpper |
| 076 | MelanomaHypopharynx |
| 077 | MelanomaIris |
| 078 | MelanomaLarynxGlottic |
| 079 | MelanomaLarynxOther |
| 080 | MelanomaLarynxSubglottic |
| 081 | MelanomaLarynxSupraglottic |
| 082 | MelanomaLipLower |
| 083 | MelanomaLipOther |
| 084 | MelanomaLipUpper |
| 085 | MelanomaMouthOther |
| 086 | MelanomaNasalCavity |
| 087 | MelanomaNasopharynx |
| 088 | MelanomaOropharynx |
| 089 | MelanomaPalateHard |
| 090 | MelanomaPalateSoft |
| 091 | MelanomaPharynxOther |
| 092 | MelanomaSinusEthmoid |
| 093 | MelanomaSinusMaxillary |
| 094 | MelanomaSinusOther |
| 095 | MelanomaSkin |
| 096 | MelanomaTongueAnterior |
| 097 | MelanomaTongueBase |
| 098 | MerkelCellPenis |

(Continued on next page)

FIELD DESCRIPTIONS

(Continued from TNM 7/CS v0204+ (thru 2017))

| Code | Description |
|-------------|---------------------------|
| 099 | MerkelCellScrotum |
| 100 | MerkelCellSkin |
| 101 | MerkelCellVulva |
| 102 | MiddleEar |
| 103 | MouthOther |
| 104 | MycosisFungoides |
| 105 | MyelomaPlasmaCellDisorder |
| 106 | NasalCavity |
| 107 | Nasopharynx |
| 108 | NETAmpulla |
| 109 | NETColon |
| 110 | NETRectum |
| 111 | NETSmallIntestine |
| 112 | NETStomach |
| 113 | Orbit |
| 114 | Oropharynx |
| 115 | Ovary |
| 116 | PalateHard |
| 117 | PalateSoft |
| 118 | PancreasBodyTail |
| 119 | PancreasHead |
| 120 | PancreasOther |
| 121 | ParotidGland |
| 122 | Penis |
| 123 | Peritoneum |
| 124 | PeritoneumFemaleGen |
| 125 | PharyngealTonsil |
| 126 | PharynxOther |
| 127 | Placenta |
| 128 | Pleura |
| 129 | Prostate |
| 130 | Rectum |
| 131 | RespiratoryOther |
| 132 | Retinoblastoma |
| 133 | Retroperitoneum |

(Continued on next page)

FIELD DESCRIPTIONS

(Continued from TNM 7/CS v0204+ (thru 2017))

| Code | Description |
|------|--------------------|
| 134 | SalivaryGlandOther |
| 135 | Scrotum |
| 136 | SinusEthmoid |
| 137 | SinusMaxillary |
| 138 | SinusOther |
| 139 | Skin |
| 140 | SkinEyelid |
| 141 | SmallIntestine |
| 142 | SoftTissue |
| 143 | Stomach |
| 144 | SubmandibularGland |
| 145 | Testis |
| 146 | Thyroid |
| 147 | TongueAnterior |
| 148 | TongueBase |
| 149 | Trachea |
| 150 | Urethra |
| 151 | UrinaryOther |
| 152 | Vagina |
| 153 | Vulva |

TNM 7/CS V0204+ SCHEMA RECODE

NAACCR Item #: N/A

SAS Variable Name: TNM_7_CS_v0204_Schema_recode

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Allows the identification of categories consistent with TNM 7/CS v0204+ Schema to include cases 2018+. This variable will facilitate the analyses of the 2010+ SSDI recodes, which require consistent cohorts over time. Stomach and Esophagus GE Junction combined into a single grouping.

FIELD DESCRIPTIONS

RACE RECODE (WHITE, BLACK, OTHER)

NAACCR Item #: N/A

SAS Variable Name: Race_recode_White_Black_Other

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Race recode is based on the race variables and the American Indian/Native American IHS link variable. This recode should be used to link to the populations for white, black and other. It is independent of Hispanic ethnicity. For more information, see http://seer.cancer.gov/seerstat/variables/seer/race_ethnicity.

| Code | Description |
|------|---|
| 1 | White |
| 2 | Black |
| 3 | Other (American Indian/AK Native, Asian/Pacific Islander) |
| 7 | Other unspecified (1991+) |
| 9 | Unknown |

RACE RECODE (W, B, AI, API)

NAACCR Item #: N/A

SAS Variable Name: Race_recode_W_B_AI_API

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Caution should be exercised when using this variable. For more information, see http://seer.cancer.gov/seerstat/variables/seer/race_ethnicity.

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

FIELD DESCRIPTIONS

ORIGIN RECODE NHIA (HISPANIC, NON-HISP)

NAACCR Item #: N/A

SAS Variable Name: OriginrecodeNHIAHispanicNonHis

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Caution should be exercised when using this variable. For more information, see http://seer.cancer.gov/seerstat/variables/seer/race_ethnicity.

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

RACE AND ORIGIN RECODE (NHW, NHB, NHAIAN, NHAPI, HISPANIC)

NAACCR Item #: N/A

SAS Variable Name: RaceandoriginrecodeNHWNHBNHAIAN

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Caution should be exercised when using this variable. For more information, see http://seer.cancer.gov/seerstat/variables/seer/race_ethnicity.

FIELD DESCRIPTIONS

SEER HISTORIC STAGE A (1973-2015)

NAACCR Item #: N/A

SAS Variable Name: SEERhistoric_stage_A_1973_2015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Derived from Collaborative Stage (CS) for 2004+ and Extent of Disease (EOD) from 1973-2003. It is a simplified version of stage: in situ, localized, regional, distant, & unknown. Over time several different EOD schemes have been used. Thus caution should be used when doing trend analysis.

For more information including sites and years for which it isn't calculated, see <http://seer.cancer.gov/seerstat/variables/seer/lrd-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. |
| 14 | Blank |

AJCC STAGE 3rd EDITION (1988-2003)

NAACCR Item #: N/A

SAS Variable Name: AJCCstage3rd_edition_1988_2003

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Derived by algorithm from extent of disease (EOD). Not available for all years or for all sites.

For codes and descriptions, see:

<http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage/3rd.html>

FIELD DESCRIPTIONS

SEER MODIFIED AJCC STAGE 3rd ED (1988-2003)

NAACCR Item #: N/A

SAS Variable Name: SEERmodifiedAJCCstage3rd198820

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Derived by algorithm from extent of disease (EOD). Not available for all years or for all sites. The modified version stages cases that would be unstaged under strict AJCC staging rules. For example, it assumes NX is N0.

For codes and descriptions, see:

<http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage/3rd.html>

FIRST MALIGNANT PRIMARY INDICATOR

NAACCR Item #: N/A

SAS Variable Name: Firstmalignantprimaryindicator

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Based on all the tumors in SEER. Tumors not reported to SEER are assumed malignant.

| Code | Description |
|------|-------------|
| 0 | no |
| 1 | yes |

STATE-COUNTY

NAACCR Item #: N/A

SAS Variable Name: N/A

Research: No

Research Limited-Field: No

Research Plus Limited-Field: Yes

Field Description: 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.

Note: This data item is not available at the individual level.

FIELD DESCRIPTIONS

COUNTY

NAACCR Item #: 90
SAS Variable Name: N/A
Research: No
Research Limited-Field: No
Research Plus Limited-Field: Yes

Field Description: County of residence at diagnosis. This must be used in conjunction with SEER registry or use State-county variable. For more information, see https://seer.cancer.gov/manuals/2004Revision%201/SPM_AppendixA.pdf.

Note: This data item is not available at the individual level.

COUNTY ATTRIBUTES

NAACCR Item #:
SAS Variable Names: Medianhouseholdincomeinflationa, Rural_Urban_Continuum_Code
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: County attribute data from the U.S. Census are also linked to the SEER*Stat databases. Variables available are dependent on the type of database. For more information, see <https://seer.cancer.gov/seerstat/variables/countyattribs/>.
If using the linked attribute database: "County Attributes - Time Dependent (1990-2018) Income/Rurality, 1969-2019 Counties", which only includes 2 categorical attributes (income and rurality), these fields can be included in case listings. Research Plus and Research Plus Limited-Field databases also have additional linked county attribute databases available. If using these databases, the attributes are not available in case listing.

PRCDA 2020

NAACCR Item #: N/A
SAS Variable Name: PRCDA_2020
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: This data item identifies whether or not the county of diagnosis is served by PRCDA. The primary use of this field is to be able to limit analyses of AI/AN race to areas served by PRCDA.
See https://seer.cancer.gov/seerstat/variables/seer/race_ethnicity
OR <https://seer.cancer.gov/seerstat/variables/countyattribs/>

FIELD DESCRIPTIONS

PRCDA REGION

NAACCR Item #: N/A
SAS Variable Name: N/A
Research: No
Research Limited-Field: No
Research Plus Limited-Field: Yes

Field Description: This data item is a grouping of states that is primarily used when working with PRCDA 2017. See https://seer.cancer.gov/seerstat/variables/seer/race_ethnicity OR <https://seer.cancer.gov/seerstat/variables/countyattrs/>

Note: This data item is not available at the individual level.

| Code | Description |
|------|-----------------|
| 1 | Alaska |
| 2 | East |
| 3 | Northern Plains |
| 5 | Pacific Coast |
| 6 | Southwest |

COD TO SITE RECODE

NAACCR Item #: N/A
SAS Variable Name: COD_to_site_recode
Research: Yes
Research Limited-Field: No*
Research Plus Limited-Field: No*

Field Description: The underlying cause of death from the death certificate was grouped into a recode similar to the incidence site recode. For more information, see https://seer.cancer.gov/codrecode/1969_d04162012. Study cutoff date has been applied, i.e. coded as alive if death occurred after study cutoff.

* Indicates that a field is available in the SEER 22 (excl IL and MA) Limited-field database

FIELD DESCRIPTIONS

COD TO SITE REC KM

NAACCR Item #: N/A
SAS Variable Name: COD_to_site_rec_KM
Research: Yes
Research Limited-Field: No*
Research Plus Limited-Field: No*

Field Description: This is a recode based on underlying cause of death to designate cause of death into groups similar to the incidence site recode with KS and mesothelioma. For more information, see http://seer.cancer.gov/codrecode/1969+_d04162012. Study cutoff date has been applied, i.e. coded as alive if death occurred after study cutoff.

* Indicates that a field is available in the SEER 22 (excl IL and MA) Limited-field database

COD TO SITE RECODE ICD-O-3 2023 REVISION

NAACCR Item #: N/A
SAS Variable Name: CODtositerecodeICDO32023Revisio
Research: Yes
Research Limited-Field: No*
Research Plus Limited-Field: No*

Field Description: This is a recode based on underlying cause of death to designate cause of death into groups similar to "Site recode ICD-O-3 2023 Revision." For more information, see <https://seer.cancer.gov/codrecode/>. Study cutoff date has been applied, i.e. coded as alive if death occurred after study cutoff.

* Indicates that a field is available in the SEER 22 (excl IL and MA) Limited-field database

COD TO SITE RECODE ICD-O-3 2023 REVISION EXPANDED (1999+)

NAACCR Item #: N/A
SAS Variable Name: CODtositerecodeICDO32023RevisioA
Research: Yes
Research Limited-Field: No*
Research Plus Limited-Field: No*

Field Description: This is a recode based on underlying cause of death to designate cause of death into groups similar to "Site recode ICD-O-3 2023 Revision Expanded." For more information, see <https://seer.cancer.gov/codrecode/>. Study cutoff date has been applied, i.e. coded as alive if death occurred after study cutoff.

* Indicates that a field is available in the SEER 22 (excl IL and MA) Limited-field database

FIELD DESCRIPTIONS

VITAL STATUS RECODE (STUDY CUTOFF USED)

NAACCR Item #: N/A
SAS Variable Name: Vitalstatusrecodestudycutoffus
Research: Yes
Research Limited-Field: No*
Research Plus Limited-Field: No*

Field Description: Any patient that dies after the follow-up cut-off date is recoded to alive as of the cut-off date.

* Indicates that a field is available in the SEER 22 (excl IL and MA) Limited-field database

| Code | Description |
|------|-------------|
| 1 | Alive |
| 0 | Dead |

IHS LINK

NAACCR Item #: 192
SAS Variable Name: IHS_Link
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: Incidence files are periodically linked with Indian Health Service (IHS) files to identify Native Americans. The race recode uses information from this field and race to determine if a person is Native American or not. See http://www.seer.cancer.gov/seerstat/variables/seer/race_ethnicity.

| Code | Description |
|------|---------------------------------------|
| 0 | Record sent for linkage, no IHS match |
| 1 | Record sent for linkage, IHS match |
| 2 | Blank |

SUMMARY STAGE 2000 (1998-2017)

NAACCR Item #: N/A
SAS Variable Name: Summary_stage_2000_1998_2017
Research: Yes
Research Limited-Field: No
Research Plus Limited-Field: No

Field Description: Summary Stage 2000 is derived from Collaborative Stage (CS) for 2004+ and Extent of Disease (EOD) from 1998-2003. It is a simplified version of stage: in situ, localized, regional, distant, & unknown. Used in the SEER CSR and more recent SEER publications. For more information including sites and years for which it isn't calculated, see <http://seer.cancer.gov/seerstat/variables/seer/lrd-stage>.

FIELD DESCRIPTIONS

AYA SITE RECODE 2020 REVISION

NAACCR Item #: N/A
SAS Variable Name: AYA_site_recode_2020_Revision
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: A site/histology recode that is mainly used to analyze data on adolescent and young adults. The recode was applied to all cases no matter the age in order that age comparisons can be made with these groupings. For more information, see <https://seer.cancer.gov/ayarecode/>

LYMPHOID NEOPLASM RECODE 2021 REVISION

NAACCR Item #: N/A
SAS Variable Name: Lymphoidneoplasmrecode2021Revis
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: A site/histology recode that is mainly used to analyze data on lymphoma subtypes. Based on ICD-O-3. Note that cases diagnosed before 2001 were not coded under ICD-O-3 and were converted to ICD-O-3 and may not have the specificity of cases after 2000 that were coded directly under ICD-O-3. For more information, see <https://seer.cancer.gov/lymphomarecode/>

SEER BRAIN AND CNS RECODE

NAACCR Item #: N/A
SAS Variable Name: SEER_Brain_and_CNS_Recode
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: For analyses of brain/CNS tumors according to major histological categories, based on the 2016 World Health Organization Classification of Tumors of the Central Nervous System (CNS). For more information, see https://seer.cancer.gov/seerstat/variables/seer/brain_cns-recode/

FIELD DESCRIPTIONS

SITE RECODE ICD-O-3 2023 REVISION

NAACCR Item #: N/A
SAS Variable Name: SiterecodeICD_O_3_2023_Revision
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: For more information, see <https://seer.cancer.gov/siterecode/>

SITE RECODE ICD-O-3 2023 REVISION EXPANDED

NAACCR Item #: N/A
SAS Variable Name: SiterecodeICDO32023RevisionExpa
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: For more information, see <https://seer.cancer.gov/siterecode/>

ICCC SITE RECODE 3RD EDITION/IARC 2017

NAACCR Item #: N/A
SAS Variable Name: ICCCsiterecode3rdeditionIARC20
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: A site/histology recode that is mainly used to analyze data on children. The recode was applied to all cases no matter the age in order that age comparisons can be made with these groupings. Based on ICD-O-3. Note that cases diagnosed before 2001 were not coded under ICD-O-3 and were converted to ICD-O-3 and may not have the specificity of cases after 2000 that were coded directly under ICD-O-3. For more information on this International Classification of Childhood Cancer (ICCC) site recode, see <https://seer.cancer.gov/iccc>

FIELD DESCRIPTIONS

SEER CAUSE-SPECIFIC DEATH CLASSIFICATION

NAACCR Item #: N/A

SAS Variable Name: SEERcausespecificdeathclassifi

Research: Yes

Research Limited-Field: No*

Research Plus Limited-Field: No*

Field Description: Created for use in cause-specific survival. This variable designates that the person died of their cancer for cause-specific survival. For more information, see <http://seer.cancer.gov/causespecific>.

| Code | Description |
|------|------------------------------|
| 0 | Alive or dead of other cause |
| 1 | Dead |
| 8 | Dead (missing/unknown COD) |
| 9 | N/A |

* Indicates that a field is available in the SEER 22 (excl IL and MA) Limited-field database

SEER OTHER CAUSE OF DEATH CLASSIFICATION

NAACCR Item #: N/A

SAS Variable Name: SEERothercauseofdeathclassific

Research: Yes

Research Limited-Field: No*

Research Plus Limited-Field: No*

Field Description: Created for use in left-truncated life table session. This variable designates that the person died of causes other than their cancer. For more information, see <http://seer.cancer.gov/causespecific>.

| Code | Description |
|------|-----------------------------|
| 0 | Alive or dead due to cancer |
| 1 | Dead |
| 8 | Dead (missing/unknown COD) |
| 9 | N/A |

* Indicates that a field is available in the SEER 22 (excl IL and MA) Limited-field database

CS TUMOR SIZE/EXT EVAL (2004-2015)

NAACCR Item #: 2820

SAS Variable Name: CSTumorSize_Ext_Eval_2004_2015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Available for 2004-2015, but not required for the entire timeframe. Will be blank in cases not collected. For more information, see <http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage>.

FIELD DESCRIPTIONS

CS REG NODE EVAL (2004-2015)

NAACCR Item #: 2840
SAS Variable Name: CS_Reg_Node_Eval_2004_2015
Research: Yes
Research Limited-Field: No
Research Plus Limited-Field: No

Field Description: Available for 2004-2015, but not required for the entire timeframe. Will be blank in cases not collected. For more information, see <http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage>.

CS METS EVAL (2004-2015)

NAACCR Item #: 2860
SAS Variable Name: CS_Mets_Eval_2004_2015
Research: Yes
Research Limited-Field: No
Research Plus Limited-Field: No

Field Description: Available for 2004-2015,, but not required for the entire timeframe. Will be blank in cases not collected. For more information, see <http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage>.

PRIMARY BY INTERNATIONAL RULES

NAACCR Item #: N/A
SAS Variable Name: Primary_by_international_rules
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: Created using IARC multiple primary rules. Did not include benign tumors or non-bladder in situ tumors in algorithm. No tumor information was modified on any records.

| Code | Description |
|------|---|
| 0 | No |
| 1 | Yes |
| 9 | Excluded from IARC multiple primary algorithm due to behavior |

FIELD DESCRIPTIONS

ER STATUS RECODE BREAST CANCER (1990+)

NAACCR Item #: N/A

SAS Variable Name: ERStatusRecodeBreastCancer1990

Research: Yes

Research Limited-Field: Yes (2010+)

Research Plus Limited-Field: Yes (2010+)

Field Description: Created with combined information from Tumor marker 1 (1990-2003) (NAACCR Item #1150), with information from CS site-specific factor 1 (2004-2017) (NAACCR Item #2880) and Estrogen Receptor Summary (2018+) (NAACCR Item #3827). Coded for cases coded as Breast in TNM 7/CS v0204+ Schema AND EOD Schema ID AND Site recode ICD-O-3/WHO 2008.

| Code | Description |
|-------------|----------------------|
| 1 | Positive |
| 2 | Negative |
| 3 | Borderline |
| 4 | Unknown |
| 9 | Recode Not Available |

PR STATUS RECODE BREAST CANCER (1990+)

NAACCR Item #: N/A

SAS Variable Name: PRStatusRecodeBreastCancer1990

Research: Yes

Research Limited-Field: Yes (2010+)

Research Plus Limited-Field: Yes (2010+)

Field Description: Created with combined information from Tumor marker 2 (1990-2003) (NAACCR Item #1160), with information from CS site-specific factor 2 (2004-2017) (NAACCR Item #2890) and Progesterone Receptor Summary (2018+) (NAACCR Item #3915). Coded for cases coded as Breast in TNM 7/CS v0204+ Schema AND EOD Schema ID AND Site recode ICD-O-3/WHO 2008.

| Code | Description |
|-------------|----------------------|
| 1 | Positive |
| 2 | Negative |
| 3 | Borderline |
| 4 | Unknown |
| 9 | Recode Not Available |

FIELD DESCRIPTIONS

CS SCHEMA—AJCC 6TH EDITION

NAACCR Item #: N/A

SAS Variable Name: CS_Schema_AJCC_6th_Edition

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: CS information is collected under the specifications of a particular schema based on site and histology. This recode should be used in any analysis of AJCC 6th ed stage and T, N, M. Based on CS version 1, it should not be used for SSFs collected or modified under CS v02.

| Code | Description |
|-------------|--------------------|
| 01 | LipUpper |
| 02 | LipLower |
| 03 | OthLip |
| 04 | BaseTongue |
| 05 | AntTongue |
| 06 | GumUpper |
| 07 | GumLower |
| 08 | OthGum |
| 09 | FOM |
| 10 | HardPalate |
| 11 | SoftPalate |
| 12 | OthMouth |
| 13 | BuccalMucosa |
| 14 | ParotidGland |
| 15 | SubmandibularGland |
| 16 | OthSalivary |
| 17 | Oropharynx |
| 18 | AntEpiglottis |
| 19 | Nasopharynx |
| 20 | Hypopharynx |
| 21 | OthPharynx |
| 22 | Esophagus |
| 23 | Stomach |
| 24 | SmallIntestine |
| 25 | Colon |
| 26 | Rectum |
| 27 | Anus |
| 28 | Liver |
| 29 | Gallbladder |
| 30 | ExtraHepaticDucts |
| 31 | Ampulla |

(Continued on next page)

FIELD DESCRIPTIONS

(Continued from CS SCHEMA—AJCC 6TH EDITION)

| Code | Description |
|-------------|--------------------|
| 32 | OthBiliary |
| 33 | PancreasHead |
| 34 | PancreasBodyTail |
| 35 | OthPancreas |
| 36 | OthDigestive |
| 37 | NasalCavity |
| 38 | MiddleEar |
| 39 | MaxillarySinus |
| 40 | EthmoidSinus |
| 41 | OthSinus |
| 42 | GlotticLarynx |
| 43 | SupraLarynx |
| 44 | SubLarynx |
| 45 | OthLarynx |
| 46 | Trachea |
| 47 | Lung |
| 48 | HeartMediastinum |
| 49 | Pleura |
| 50 | OthRespiratory |
| 51 | Bone |
| 52 | Skin |
| 53 | SkinEyelid |
| 54 | Melanoma |
| 55 | MF |
| 56 | SoftTissue |
| 57 | Peritoneum |
| 58 | Breast |
| 59 | Vulva |
| 60 | Vagina |
| 61 | Cervix |
| 62 | Corpus |
| 63 | Ovary |
| 64 | FallopianTube |
| 65 | OthAdnexa |
| 66 | OthFemaleGen |
| 67 | Placenta |
| 68 | Penis |
| 69 | Prostate |
| 70 | Testis |
| 71 | OthMaleGen |

(Continued on next page)

FIELD DESCRIPTIONS

(Continued from CS SCHEMA—AJCC 6TH EDITION)

| Code | Description |
|-------------|---------------------|
| 72 | Scrotum |
| 73 | Kidney |
| 74 | RenalPelvis |
| 75 | Bladder |
| 76 | Urethra |
| 77 | OthUrinary |
| 78 | Conjunctiva |
| 79 | MelanomaConjunctiva |
| 80 | OthEye |
| 81 | MelanomaIrisCiliary |
| 82 | MelanomaChoroid |
| 83 | MelanomaOthEye |
| 84 | LacrimalGland |
| 85 | Orbit |
| 86 | Retinoblastoma |
| 87 | Brain |
| 88 | OthCNS |
| 89 | Thyroid |
| 90 | OthEndocrine |
| 91 | KS |
| 92 | Lymphoma |
| 93 | HemeRetic |
| 94 | OthIllDef |

LYMPH-VASCULAR INVASION (2004+ VARYING BY SCHEMA)

NAACCR Item #: 1182

SAS Variable Name: LymphvascularInvasion2004varyi

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: LVI is required for cases originally coded under CSv2 or diagnosed 2010+ for the schemas for penis and testis only. On the research file LVI is shown only for testis because it is needed for AJCC 6th ed staging. For penis, LVI is needed for AJCC 7th ed staging only which isn't calculated until 2010.

| Code | Description |
|-------------|---|
| 0 | Lymph-vascular Invasion Not Present (absent)/Not Identified |
| 1 | Lymph-vascular Invasion Present/Identified |
| 8 | Not Applicable |
| 9 | Unknown/Indeterminate |
| 14 | Blank |

FIELD DESCRIPTIONS

SURVIVAL MONTHS

NAACCR Item #: N/A

SAS Variable Name: Survival_months

Research: Yes

Research Limited-Field: No*

Research Plus Limited-Field: No*

Field Description: Created using complete dates, including days, therefore may differ from survival time calculated from year and month only. For more information, see <http://seer.cancer.gov/survivaltime>.

| Code | Description |
|----------|-----------------|
| 000-9998 | 000-9998 months |
| 9999 | Unknown |

* Indicates that a field is available in the SEER 22 (excl IL and MA) Limited-field database

SURVIVAL MONTHS FLAG

NAACCR Item #: N/A

SAS Variable Name: Survival_months_flag

Research: Yes

Research Limited-Field: No*

Research Plus Limited-Field: No*

Field Description: Created using complete dates, including days, therefore may differ from survival time calculated from year and month only. For more information, see <http://seer.cancer.gov/survivaltime>.

| Code | Description |
|------|---|
| 0 | Complete dates are available and there are 0 days of survival |
| 1 | Complete dates are available and there are more than 0 days of survival |
| 2 | Incomplete dates are available and there could be zero days of follow-up |
| 3 | Incomplete dates are available and there cannot be zero days of follow-up |
| 8 | Not calculated because a Death Certificate Only or Autopsy Only case |
| 9 | Unknown |

* Indicates that a field is available in the SEER 22 (excl IL and MA) Limited-field database

FIELD DESCRIPTIONS

DERIVED AJCC T, 7TH ED (2010-2015)

NAACCR Item #: 3400

SAS Variable Name: DerivedAJCC_T_7th_ed_2010_2015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This is the AJCC “T” component that is derived from CS coded fields, using the CS algorithm, effective with 2010-2015 diagnosis years. See the CS site-specific schema for details:

(<http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage>).

| Code | Description |
|-------------|----------------------|
| 999 | TX |
| 000 | T0 |
| 010 | Ta |
| 050 | Tis |
| 060 | Tispu (Urethra only) |
| 070 | Tispd (Urethra only) |
| 100 | T1 |
| 110 | T1mic |
| 199 | T1 NOS |
| 120 | T1a |
| 130 | T1a1 |
| 140 | T1a2 |
| 150 | T1b |
| 160 | T1b1 |
| 170 | T1b2 |
| 180 | T1c |
| 181 | T1d |
| 200 | T2 |
| 299 | T2 NOS |
| 210 | T2a |
| 211 | T2a1 |
| 212 | T2a2 |
| 213 | T2a NOS |
| 220 | T2b |
| 230 | T2c |
| 240 | T2d |
| 300 | T3 |
| 399 | T3 NOS |
| 310 | T3a |
| 320 | T3b |
| 330 | T3c |
| 400 | T4 |
| 499 | T4 NOS |

(Continued on next page)

FIELD DESCRIPTIONS

(Continued from DERIVED AJCC T, 7TH ED (2010-2015))

| Code | Description |
|------|----------------|
| 410 | T4a |
| 420 | T4b |
| 430 | T4c |
| 440 | T4d |
| 450 | T4e |
| 800 | T1a NOS |
| 810 | T1b NOS |
| 888 | Not applicable |
| 1022 | Blank |

DERIVED AJCC N, 7TH ED (2010-2015)

NAACCR Item #: 3410

SAS Variable Name: DerivedAJCC_N_7th_ed_2010_2015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This is the AJCC “N” component that is derived from CS coded fields, using the CS algorithm, effective with 2010-2015 diagnosis years. See the CS site-specific schema for details:

(<http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage>).

| Code | Description |
|------|-------------|
| 999 | NX |
| 000 | N0 |
| 010 | N0(i-) |
| 020 | N0(i+) |
| 030 | N0(mol-) |
| 040 | N0(mol+) |
| 100 | N1 |
| 199 | N1 NOS |
| 110 | N1a |
| 120 | N1b |
| 130 | N1c |
| 180 | N1mi |
| 200 | N2 |
| 299 | N2 NOS |
| 210 | N2a |
| 220 | N2b |
| 230 | N2c |
| 300 | N3 |

(Continued on next page)

FIELD DESCRIPTIONS

(Continued from DERIVED AJCC N, 7TH ED (2010-2015))

| Code | Description |
|-------------|--------------------|
| 399 | N3 NOS |
| 310 | N3a |
| 320 | N3b |
| 330 | N3c |
| 400 | N4 |
| 888 | Not applicable |
| 1022 | Blank |

DERIVED AJCC M, 7TH ED (2010-2015)

NAACCR Item #: 3420

SAS Variable Name: DerivedAJCC_M_7th_ed_2010_2015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This is the AJCC “M” component that is derived from CS coded fields, using the CS algorithm, effective with 2010-2015 diagnosis years. See the CS site-specific schema for details:

(<http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage>).

| Code | Description |
|-------------|--------------------|
| 999 | MX |
| 000 | M0 |
| 010 | M0(i+) |
| 100 | M1 |
| 110 | M1a |
| 120 | M1b |
| 130 | M1c |
| 140 | M1d |
| 150 | M1e |
| 199 | M1 NOS |
| 888 | Not applicable |
| 1022 | Blank |

FIELD DESCRIPTIONS

DERIVED AJCC STAGE GROUP, 7TH ED (2010-2015)

NAACCR Item #: 3430

SAS Variable Name: DerivedAJCCStageGroup7thed2010

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This is the AJCC “Stage Group” component that is derived from CS coded fields, using the CS algorithm, effective with 2010-2015 diagnosis years. See the CS site-specific schema for details: (<http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage>).

| Code | Description |
|-------------|----------------------------|
| 000 | Stage 0 |
| 010 | Stage 0a |
| 020 | Stage 0is |
| 100 | Stage I |
| 110 | Stage I NOS |
| 120 | Stage IA |
| 130 | Stage IA1 |
| 140 | Stage IA2 |
| 121 | Stage IA NOS |
| 150 | Stage IB |
| 160 | Stage IB1 |
| 170 | Stage IB2 |
| 151 | Stage IB NOS |
| 180 | Stage IC |
| 190 | Stage IS |
| 230 | Stage ISA (lymphoma only) |
| 240 | Stage ISB (lymphoma only) |
| 200 | Stage IEA (lymphoma only) |
| 210 | Stage IEB (lymphoma only) |
| 220 | Stage IE (lymphoma only) |
| 300 | Stage II |
| 310 | Stage II NOS |
| 320 | Stage IIA |
| 321 | Stage IIA NOS |
| 322 | Stage IIA1 |
| 323 | Stage IIA NOS |
| 330 | Stage IIB |
| 340 | Stage IIC |
| 350 | Stage IIEA (lymphoma only) |
| 360 | Stage IIEB (lymphoma only) |
| 370 | Stage IIE (lymphoma only) |
| 380 | Stage IISA (lymphoma only) |

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FIELD DESCRIPTIONS

(Continued from DERIVED AJCC STAGE GROUP, 7TH ED (2010-2015))

| Code | Description |
|-------------|------------------------------|
| 390 | Stage IISB (lymphoma only) |
| 400 | Stage IIS (lymphoma only) |
| 410 | Stage IIESA (lymphoma only) |
| 420 | Stage IIESB (lymphoma only) |
| 430 | Stage IIES (lymphoma only) |
| 500 | Stage III |
| 510 | Stage III NOS |
| 520 | Stage IIIA |
| 530 | Stage IIIB |
| 540 | Stage IIIC |
| 541 | Stage IIIC1 |
| 542 | Stage IIIC2 |
| 550 | Stage IIIEA (lymphoma only) |
| 560 | Stage IIIEB (lymphoma only) |
| 570 | Stage IIIE (lymphoma only) |
| 580 | Stage IIISA (lymphoma only) |
| 590 | Stage IIISB (lymphoma only) |
| 600 | Stage IIIS (lymphoma only) |
| 610 | Stage IIIESA (lymphoma only) |
| 620 | Stage IIIESB (lymphoma only) |
| 630 | Stage IIIES (lymphoma only) |
| 700 | Stage IV |
| 710 | Stage IV NOS |
| 720 | Stage IVA |
| 730 | Stage IVB |
| 740 | Stage IVC |
| 888 | Not applicable |
| 900 | Stage Occult |
| 999 | Stage Unknown |
| 1022 | Blank |

7TH EDITION STAGE GROUP RECODE (2016-2017)

NAACCR Item #: N/A

SAS Variable Name: V7thEditionStageGroupRecode2016

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Created from NAACCR Item #=3430 for cases where Collaborative Stage was available and #=3614 (2016-2017) for cases with only TNM stage available.

FIELD DESCRIPTIONS

BREAST—ADJUSTED AJCC 6TH T (1988-2015)

NAACCR Item #: N/A

SAS Variable Name: BreastAdjustedAJCC6thT19882015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Created from merged EOD 3rd Edition and Collaborative Stage disease information. Currently only available for Breast schema. For more information see <http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage/6th>.

| Code | Description |
|------|-------------|
| 00 | T0 |
| 01 | Ta |
| 05 | Tis |
| 06 | Tispu |
| 07 | Tispd |
| 10 | T1 |
| 11 | T1mic |
| 12 | T1a |
| 13 | T1a1 |
| 14 | T1a2 |
| 15 | T1b |
| 16 | T1b1 |
| 17 | T1b2 |
| 18 | T1c |
| 19 | T1NOS |
| 20 | T2 |
| 21 | T2a |
| 22 | T2b |
| 23 | T2c |
| 29 | T2NOS |
| 30 | T3 |
| 31 | T3a |
| 32 | T3b |
| 33 | T3c |
| 39 | T3NOS |
| 40 | T4 |
| 41 | T4a |
| 42 | T4b |
| 43 | T4c |
| 44 | T4d |
| 49 | T4NOS |
| 60 | Any T, Mets |
| 80 | T1aNOS |

(Continued on next page)

FIELD DESCRIPTIONS

(Continued from BREAST—ADJUSTED AJCC 6TH T (1988-2015))

| Code | Description |
|------|-------------|
| 81 | T1bNOS |
| 88 | N/A |
| 99 | TX Adjusted |
| 126 | Blank |

BREAST—ADJUSTED AJCC 6TH N (1988-2015)

NAACCR Item #: N/A

SAS Variable Name: BreastAdjustedAJCC6thN19882015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Created from merged EOD 3rd Edition and Collaborative Stage disease information. Currently only available for Breast schema. For more information see <http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage/6th>.

| Code | Description |
|------|-------------|
| 00 | N0 |
| 01 | N0(i-) |
| 02 | N0(i+) |
| 03 | N0(mo1-) |
| 04 | N0(mo1+) |
| 09 | N0NOS |
| 10 | N1 |
| 11 | N1a |
| 12 | N1b |
| 13 | N1c |
| 18 | N1mi |
| 19 | N1NOS |
| 20 | N2 |
| 21 | N2a |
| 22 | N2b |
| 23 | N2c |
| 29 | N2NOS |
| 30 | N3 |
| 31 | N3a |

(Continued on next page)

FIELD DESCRIPTIONS

(Continued from BREAST—ADJUSTED AJCC 6TH N (1988-2015))

| Code | Description |
|------|-------------|
| 32 | N3b |
| 33 | N3c |
| 39 | N3NOS |
| 60 | Any N, Mets |
| 70 | NXr |
| 80 | NXa |
| 88 | N/A |
| 99 | NX Adjusted |
| 126 | Blank |

BREAST—ADJUSTED AJCC 6TH M (1988-2015)

NAACCR Item #: N/A

SAS Variable Name: BreastAdjustedAJCC6thM19882015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Created from merged EOD 3rd Edition and Collaborative Stage disease information. Currently only available for Breast schema. For more information see <http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage/6th>.

| Code | Description |
|------|-------------|
| 00 | M0 |
| 10 | M1 |
| 11 | M1a |
| 12 | M1b |
| 13 | M1c |
| 19 | M1NOS |
| 88 | N/A |
| 99 | MX |
| 126 | Blank |

FIELD DESCRIPTIONS

BREAST—ADJUSTED AJCC 6TH STAGE (1988-2015)

NAACCR Item #: N/A

SAS Variable Name: BreastAdjustedAJCC6thStage1988

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Created from merged EOD 3rd Edition and Collaborative Stage disease information. Currently only available for Breast schema. For more information see <http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage/6th>.

| Code | Description |
|-------------|--------------------|
| 00 | 0 |
| 01 | 0a |
| 02 | 0is |
| 10 | I |
| 11 | INOS |
| 12 | IA |
| 13 | IA1 |
| 14 | IA2 |
| 15 | IB |
| 16 | IB1 |
| 17 | IB2 |
| 18 | IC |
| 19 | IS |
| 20 | IEA |
| 21 | IEB |
| 22 | IE |
| 23 | ISA |
| 24 | ISB |
| 30 | II |
| 31 | IINOS |
| 32 | IIA |
| 33 | IIB |
| 34 | IIC |
| 35 | IIEA |
| 36 | IIEB |
| 37 | IIE |
| 38 | IISA |
| 39 | IISB |
| 40 | IIS |
| 41 | IIESA |

(Continued on next page)

FIELD DESCRIPTIONS

(Continued from BREAST—ADJUSTED AJCC 6TH STAGE (1988-2015))

| Code | Description |
|------|-------------|
| 43 | IIES |
| 50 | III |
| 51 | IINOS |
| 52 | IIIA |
| 53 | IIIB |
| 54 | IIIC |
| 55 | IIIEA |
| 56 | IIIEB |
| 57 | IIIE |
| 58 | IIISA |
| 59 | IIISB |
| 60 | IIIS |
| 61 | IIIESA |
| 62 | IIIESB |
| 63 | IIIES |
| 70 | IV |
| 71 | IVNOS |
| 72 | IVA |
| 73 | IVB |
| 74 | IVC |
| 88 | N/A |
| 90 | OCCULT |
| 99 | UNK Stage |
| 126 | Blank |

DERIVED HER2 RECODE (2010+)

NAACCR Item #: N/A

SAS Variable Name: Derived_HER2_Recode_2010

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Created with combined information from several CS site-specific factors (2010-2017) and HER2 Overall Summary (2018+) (NAACCR Item #=3855). For more information, see <https://seer.cancer.gov/seerstat/databases/ssf/her2-derived.html>. Coded for cases coded as Breast in TNM 7/CS v0204+ Schema AND EOD Schema ID.

| Code | Description |
|------|----------------------|
| 1 | Positive |
| 2 | Negative |
| 3 | Borderline |
| 4 | Unknown |
| 9 | Recode Not Available |

FIELD DESCRIPTIONS

BREAST SUBTYPE (2010+)

NAACCR Item #: N/A

SAS Variable Name: Breast_Subtype_2010

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Created with combined information from ER Status Recode Breast Cancer (1990+), PR Status Recode Breast Cancer (1990+), and Derived HER2 Recode (2010+). For more information, see <https://seer.cancer.gov/seerstat/databases/ssf/breast-subtype.html>. Coded for cases coded as Breast in TNM 7/CS v0204+ Schema AND EOD Schema ID.

| Code | Description |
|------|----------------------|
| 1 | Her2+/HR+ |
| 2 | Her2+/HR- |
| 3 | Her2-/HR+ |
| 4 | Triple Negative |
| 5 | Unknown |
| 9 | Recode Not Available |

LYMPHOMAS: ANN ARBOR STAGING (1983-2015)

NAACCR Item #: N/A

SAS Variable Name: LymphomaAnnArborStage1983_2015

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: For information on how this field is created, visit <http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage/ann-arbor/>

FIELD DESCRIPTIONS

SEER COMBINED METS AT DX-BONE (2010+)

NAACCR Item #: N/A

SAS Variable Name: SEERCombinedMetsatDX_bone_2010

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Created from NAACCR Item #2851 (2010-2015) and #1112 (2016+).

| Code | Description |
|-------------|---|
| 0 | None; no bone metastases |
| 1 | Yes |
| 8 | Not applicable |
| 9 | Unknown; not documented in patient record |
| 14 | Blank |

SEER COMBINED METS AT DX-BRAIN (2010+)

NAACCR Item #: N/A

SAS Variable Name: SEERCombinedMetsatDXbrain_2010

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Created from NAACCR Item #2852 (2010-2015) and #1113 (2016+).

| Code | Description |
|-------------|---|
| 0 | None; no brain metastases |
| 1 | Yes |
| 8 | Not applicable |
| 9 | Unknown; not documented in patient record |
| 14 | Blank |

FIELD DESCRIPTIONS

SEER COMBINED METS AT DX-LIVER (2010+)

NAACCR Item #: N/A

SAS Variable Name: SEERCombinedMetsatDXliver_2010

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Created from NAACR Item #2853 (2010-2015) and #1115 (2016+).

| Code | Description |
|-------------|---|
| 0 | None; no liver metastases |
| 1 | Yes |
| 8 | Not applicable |
| 9 | Unknown; not documented in patient record |
| 14 | Blank |

SEER COMBINED METS AT DX-LUNG (2010+)

NAACCR Item #: N/A

SAS Variable Name: SEERCombinedMetsatDX_lung_2010

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Created from NAACR Item #2854 (2010-2015) and #1116 (2016+).

| Code | Description |
|-------------|---|
| 0 | None; no lung metastases |
| 1 | Yes |
| 8 | Not applicable |
| 9 | Unknown; not documented in patient record |
| 14 | Blank |

FIELD DESCRIPTIONS

T VALUE - BASED ON AJCC 3rd (1988-2003)

NAACCR Item #: N/A

SAS Variable Name: TvaluebasedonAJCC3rd_1988_2003

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Derived by algorithm from extent of disease (EOD). Not available for all years or for all sites.

For codes and descriptions, see:

<http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage/3rd.html>

N VALUE - BASED ON AJCC 3rd (1988-2003)

NAACCR Item #: N/A

SAS Variable Name: NvaluebasedonAJCC3rd_1988_2003

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Derived by algorithm from extent of disease (EOD). Not available for all years or for all sites.

For codes and descriptions, see:

<http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage/3rd.html>

M VALUE - BASED ON AJCC 3rd (1988-2003)

NAACCR Item #: N/A

SAS Variable Name: MvaluebasedonAJCC3rd_1988_2003

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Derived by algorithm from extent of disease (EOD). Not available for all years or for all sites.

For codes and descriptions, see:

<http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage/3rd.html>

FIELD DESCRIPTIONS

TOTAL NUMBER OF IN SITU/MALIGNANT TUMORS FOR PATIENT

NAACCR Item #: N/A

SAS Variable Name: Totalnumberofinsitumalignanttu

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: 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.

Valid values: 00-98; 99 (unknown)

TOTAL NUMBER OF BENIGN/BORDERLINE TUMORS FOR PATIENT

NAACCR Item #: N/A

SAS Variable Name: Totalnumberofbenignborderlinet

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: Count of a patient's total reported benign/borderline cancers, based on maximum sequence number of any benign/borderline tumors in SEER through the last released year of diagnosis. This value is the same across all tumors for a person.

Valid values: 00-98; 99 (unknown)

RADIATION TO BRAIN OR CNS RECODE (1988-1997)

NAACCR Item #: N/A

SAS Variable Name: RadiationtoBrainorCNSRecode1988

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: This variable was only collected for years 1988-1997 for lung and leukemia cases only. It codes for radiation given to the brain or central nervous system at all facilities as part of the first course of therapy, and is a recode of NAACCR Item #1370. This field is blank for cases diagnosed prior to 1988 and after 1997.

| Code | Description |
|------|--------------------------------------|
| 0 | None/Unknown |
| 1 | Radiation |
| 7 | Refused |
| 8 | Recommended, unknown if administered |

FIELD DESCRIPTIONS

TUMOR SIZE OVER TIME RECODE (1988+)

NAACCR Item #: N/A
SAS Variable Name: tumorSizeOverTime
Research: Yes
Research Limited-Field: No
Research Plus Limited-Field: No

Field Description: Size in millimeters. Created for cancer sites with consistent tumor size fields over time, using fields: EOD-Tumor Size [NAACCR Data Item # 780], 1988-2003, CS Tumor Size [NAACCR Data Item # 2800], 2004-2015, and Tumor Size Summary [NAACCR Data Item # 756], 2016+. Unreasonably large sizes set to unknown.

TUMOR SIZE SUMMARY (2016+)

NAACCR Item #: 756
SAS Variable Name: Tumor_Size_Summary_2016
Research: Yes
Research Limited-Field: No
Research Plus Limited-Field: No

Field Description: The most accurate measurement of a solid primary tumor, usually measured on the surgical resection specimen.

| Code | Description |
|-------------|---|
| 000 | No mass/tumor found |
| 001 | 1 mm or described as less than 1 mm (0.1 cm or less than 0.1 cm) |
| 002-988 | Exact size in millimeters (2mm-988mm) (0.2 cm to 98.8 cm) |
| 989 | 989 millimeters or larger (98.9 cm or larger) |
| 990 | Microscopic focus or foci only and no size of focus is given |
| 998 | Alternate descriptions of tumor size for specific sites |
| 999 | Unknown; size not stated; Not documented in patient record; Size of tumor cannot be assessed; No excisional biopsy or tumor resection done; The only measurement(s) describes pieces or chips; Not applicable |
| 1022 | Blank |

DERIVED SEER CMB STG GRP (2016-2017)

NAACCR Item #: 3614
SAS Variable Name: DerivedSEERCmbStg_Grp_2016_2017
Research: Yes
Research Limited-Field: No
Research Plus Limited-Field: No

Field Description: The results of the derived algorithmic calculation of Derived SEER Combined Stage Group.

FIELD DESCRIPTIONS

DERIVED SEER COMBINED T (2016-2017)

NAACCR Item #: 3616

SAS Variable Name: DerivedSEERCombined_T_2016_2017

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: The results of the derived algorithmic calculation of Derived SEER Combined T.

DERIVED SEER COMBINED N (2016-2017)

NAACCR Item #: 3618

SAS Variable Name: DerivedSEERCombined_N_2016_2017

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: The results of the derived algorithmic calculation of Derived SEER Combined N.

DERIVED SEER COMBINED M (2016-2017)

NAACCR Item #: 3620

SAS Variable Name: DerivedSEERCombined_M_2016_2017

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: The results of the derived algorithmic calculation of Derived SEER Combined M.

FIELD DESCRIPTIONS

DERIVED SEER COMBINED T SRC (2016-2017)

NAACCR Item #: 3622

SAS Variable Name: DerivedSEERCombinedTSrc20162017

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: The source information selected for the derived algorithmic calculation of Derived SEER Combined T #3616.

| Code | Description |
|-------------|--|
| 1 | Clinical |
| 2 | Pathologic |
| 3 | Clinical and pathologic information used |
| 9 | Unknown |
| 14 | Blank |

DERIVED SEER COMBINED N SRC (2016-2017)

NAACCR Item #: 3624

SAS Variable Name: DerivedSEERCombinedNSrc20162017

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: The source information selected for the derived algorithmic calculation of Derived SEER Combined N #3618.

| Code | Description |
|-------------|--|
| 1 | Clinical |
| 2 | Pathologic |
| 3 | Clinical and pathologic information used |
| 9 | Unknown |
| 14 | Blank |

FIELD DESCRIPTIONS

DERIVED SEER COMBINED M SRC (2016-2017)

NAACCR Item #: 3626

SAS Variable Name: DerivedSEERCombinedMSrc20162017

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: The source information selected for the derived algorithmic calculation of Derived SEER Combined M #3620.

| Code | Description |
|------|--|
| 1 | Clinical |
| 2 | Pathologic |
| 3 | Clinical and pathologic information used |
| 9 | Unknown |
| 14 | Blank |

TNM EDITION NUMBER (2016-2017)

NAACCR Item #: 1060

SAS Variable Name: TNM_Edition_Number_2016_2017

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: The edition of the AJCC manual used to stage the case. This applies to the manually coded AJCC fields. It does not apply to the Derived AJCC T, N, M and AJCC Stage Group fields [2940, 2960, 2980, and 3000].

SEER used UICC 7th edition as well as AJCC 7th edition rules. UICC 7th edition and AJCC 7th edition TNM categories and stage groups are very similar.

| Code | Description |
|------|--|
| 07 | Seventh Edition (published 2009), recommended for use with cases diagnosed 2010-2017 |
| U7 | Seventh Edition with UICC modifications |
| 88 | Not applicable (cases that do not have an AJCC staging scheme) |
| 14 | Blank |

FIELD DESCRIPTIONS

METS AT DX—DISTANT LN (2016+)

NAACCR Item #: 1114

SAS Variable Name: Mets_at_DX_Distant_LN_2016

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Identifies whether distant lymph node(s) are an involved metastatic site.

| Code | Description |
|-------------|---|
| 0 | None; no distant lymph node metastases |
| 1 | Yes; distant lymph node metastases |
| 8 | Not applicable |
| 9 | Unknown whether distant lymph node(s) are involved metastatic site. Not documented in patient record. |
| 14 | Blank |

METS AT DX—OTHER (2016+)

NAACCR Item #: 1117

SAS Variable Name: Mets_at_DX_Other_2016

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Identifies any type of distant involvement not captured in the Mets at Dx-Bone [1112], Mets at Dx-Brain [1113], Mets at Dx-Liver [1115], Mets at Dx-Lung [1116], and Mets at Dx-Distant LN [1114] fields. It includes involvement of other specific sites and more generalized metastases such as carcinomatosis. Some examples include but are not limited to the adrenal gland, bone marrow, pleura, malignant pleural effusion, peritoneum, and skin.

| Code | Description |
|-------------|--|
| 0 | None; no other metastases |
| 1 | Yes; distant metastases in known site(s) other than bone, brain, liver, lung or distant lymph nodes (Note: includes bone marrow involvement for lymphomas) |
| 2 | Generalized metastases such as carcinomatosis |
| 8 | Not applicable |
| 9 | Unknown whether any other metastatic site or generalized metastases. Not documented in patient record. |
| 14 | Blank |

FIELD DESCRIPTIONS

AJCC ID (2018+)

NAACCR Item #: 995
SAS Variable Name: AJCC_ID_2018
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: Based on the chapters of the AJCC manual and will be derived primarily from the site/histology fields and other data items as required. IDs are assigned to cases for which AJCC staging is applicable. When staging is not applicable, code 'XX' is used.

EOD SCHEMA ID RECODE (2010+)

NAACCR Item #: N/A
SAS Variable Name: EOD_Schema_ID_Recode_2010
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: Allows the identification of categories consistent with Schema ID to include cases 2010+. This variable will facilitate the analyses of the 2010+ SSDI recodes, which require consistent cohorts over time.

DERIVED EOD 2018 T (2018+)

NAACCR Item #: 785
SAS Variable Name: Derived_EOD_2018_T_2018
Research: Yes
Research Limited-Field: No
Research Plus Limited-Field: No

Field Description: See the most current version of EOD (<https://staging.seer.cancer.gov/>) for rules and site-specific codes and coding structures.

DERIVED EOD 2018 N (2018+)

NAACCR Item #: 815
SAS Variable Name: Derived_EOD_2018_N_2018
Research: Yes
Research Limited-Field: No
Research Plus Limited-Field: No

Field Description: See the most current version of EOD (<https://staging.seer.cancer.gov/>) for rules and site-specific codes and coding structures.

FIELD DESCRIPTIONS

DERIVED EOD 2018 M (2018+)

NAACCR Item #: 795
SAS Variable Name: Derived_EOD_2018_M_2018
Research: Yes
Research Limited-Field: No
Research Plus Limited-Field: No

Field Description: See the most current version of EOD (<https://staging.seer.cancer.gov/>) for rules and site-specific codes and coding structures.

DERIVED EOD 2018 STAGE GROUP (2018+)

NAACCR Item #: 818
SAS Variable Name: DerivedEOD2018_Stage_Group_2018
Research: Yes
Research Limited-Field: No
Research Plus Limited-Field: No

Field Description: See the most current version of EOD (<https://staging.seer.cancer.gov/>) for rules and site-specific codes and coding structures.

EOD PRIMARY TUMOR (2018+)

NAACCR Item #: 772
SAS Variable Name: EOD_Primary_Tumor_2018
Research: Yes
Research Limited-Field: No
Research Plus Limited-Field: No

Field Description: See the most current version of EOD (<https://staging.seer.cancer.gov/>) for rules and site-specific codes and coding structures.

EOD REGIONAL NODES (2018+)

NAACCR Item #: 774
SAS Variable Name: EOD_Regional_Nodes_2018
Research: Yes
Research Limited-Field: No
Research Plus Limited-Field: No

Field Description: See the most current version of EOD (<https://staging.seer.cancer.gov/>) for rules and site-specific codes and coding structures.

FIELD DESCRIPTIONS

EOD METS (2018+)

NAACCR Item #: 776
SAS Variable Name: EOD_Mets_2018
Research: Yes
Research Limited-Field: No
Research Plus Limited-Field: No

Field Description: See the most current version of EOD (<https://staging.seer.cancer.gov/>) for rules and site-specific codes and coding structures.

PROSTATE PATHOLOGICAL EXTENSION (2018+)

NAACCR Item #: 3919
SAS Variable Name: ProstatePathologicalExtension20
Research: Yes
Research Limited-Field: No
Research Plus Limited-Field: No

Field Description: See the most current version of EOD (<https://staging.seer.cancer.gov/>) for rules and site-specific codes and coding structures.

TIME FROM DIAGNOSIS TO TREATMENT IN DAYS RECODE

NAACCR Item #: N/A
SAS Variable Name: daysToRxRecode
Research: Yes
Research Limited-Field: Yes (excl IL & MA)
Research Plus Limited-Field: Yes (excl IL & MA)

Field Description: Number of days from diagnosis to date of initial treatment. Calculated using complete dates.

BRAIN MOLECULAR MARKERS (2018+)

NAACCR Item #: 3816
SAS Variable Name: Brain_Molecular_Markers_2018
Research: Yes
Research Limited-Field: Yes
Research Plus Limited-Field: Yes

Field Description: This data item captures clinically important brain cancer subtypes identified by molecular markers that are not distinguishable by ICD-O-3 codes. Coded for Brain and CNS Other per Schema ID (2018+).

FIELD DESCRIPTIONS

BRESLOW TUMOR THICKNESS (2018+)

NAACCR Item #: 3817

SAS Variable Name: Breslow_Tumor_Thickness_2018

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: A measure of how deeply a melanoma tumor has grown into the skin. Measurement in millimeters (mm). Coded for Melanoma Skin per Schema ID (2018+).

HIGH RISK CYTOGENETICS (2018+)

NAACCR Item #: 3857

SAS Variable Name: High_Risk_Cytogenetics_2018

Research: No

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Defined as one or more of t(4;14), t(14;16), or del 17p identified from FISH test results and is part of the staging criteria for plasma cell myeloma. Coded for Plasma Cell Myeloma per Schema ID (2018+).

JAK2 (2018+)

NAACCR Item #: 3862

SAS Variable Name: JAK2_2018

Research: No

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Janus Kinase 2 (JAK2, JAK 2) is a gene mutation that increases susceptibility to several myeloproliferative neoplasms. Coded for HemeRetic and CNS Other per Schema ID (2018+).

FIELD DESCRIPTIONS

KIT GENE IMMUNOHISTOCHEMISTRY (2018+)

NAACCR Item #: 3865

SAS Variable Name: KITGeneImmunohistochemistry2018

Research: No

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: KIT Gene Immunohistochemistry (IHC) is the expression of the KIT gene in tumor tissue specimens based on immunohistochemical (IHC) stains. Coded for GIST per Schema ID (2018+).

KRAS (2018+)

NAACCR Item #: 3866

SAS Variable Name: KRAS_2018

Research: No

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: Activating mutations in KRAS are an adverse prognostic factor for colorectal carcinoma and predict a poor response to monoclonal anti-EGFR antibody therapy in advanced colorectal carcinoma. Coded for Colon and Rectum per Schema ID (2018+).

METHYLATION OF O6-METHYLGUANINE-METHYLTRANSFERASE (2018+)

NAACCR Item #: 3889

SAS Variable Name: MethylationofO6MethylguanineMet

Research: No

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: O6-Methylguanine-Methyltransferase (MGMT) is an enzyme that repairs DNA. Methylation of the MGMT gene reduces production of the MGMT enzyme and the ability of tumor cells to repair damage caused by chemotherapy. Methylation of MGMT is a prognostic and predictive factor for high grade gliomas. Coded for Brain and CNS Other per Schema ID (2018+).

FIELD DESCRIPTIONS

MICROSATELLITE INSTABILITY (MSI) (2018+)

NAACCR Item #: 3890

SAS Variable Name: MicrosatelliteInstabilityMSI201

Research: No

Research Limited-Field: No

Research Plus Limited-Field: Yes

Field Description: Microsatellite Instability (MSI) is a form of genetic instability manifested by changes in the length of repeated single- to six-nucleotide sequences (known as DNA microsatellite sequences). High MSI, found in about 15% of colorectal carcinomas, is an adverse prognostic factor for colorectal carcinomas and predicts poor response to 5-FU chemotherapy. Coded for Colon and Rectum per Schema ID (2018+).

SCHEMA DISCRIMINATOR 2: OROPHARYNGEAL P16 (2018+)

NAACCR Item #: 3927

SAS Variable Name: SchemaDiscriminator2Oropharynge

Research: No

Research Limited-Field: No

Research Plus Limited-Field: Yes

Field Description: Used to discriminate between oropharyngeal tumors that are p16 positive and oropharyngeal tumors that are p16 negative OR p16 status unknown. Coded for Oropharynx HPV-Mediated (p16+) and Oropharynx (p16-) per Schema ID (2018+).

ESTROGEN RECEPTOR SUMMARY (2018+)

NAACCR Item #: 3827

SAS Variable Name: Estrogen_Receptor_Summary_2018

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: A summary of results of the estrogen receptor (ER) assay. Combined ER and PR positivity is associated with increased response to antiestrogen therapies. Coded for Breast per Schema ID (2018+).

FIELD DESCRIPTIONS

PROGESTERONE RECEPTOR SUMMARY (2018+)

NAACCR Item #: 3915

SAS Variable Name: ProgesteroneReceptorSummary2018

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: A summary of results of the progesterone receptor (PR) assay. Combined ER and PR positivity is associated with increased response to antiestrogen therapies. Coded for Breast per Schema ID (2018+).

HER2 OVERALL SUMMARY (2018+)

NAACCR Item #: 3855

SAS Variable Name: HER2_Overall_Summary_2018

Research: Yes

Research Limited-Field: Yes

Research Plus Limited-Field: Yes

Field Description: A summary of results from HER2 testing. The presence of HER2 overexpression in untreated patients is associated with worse prognosis in both node-negative and node-positive patients. Coded for Breast per Schema ID (2018+).

SENTINEL LYMPH NODES EXAMINED (2018+)

NAACCR Item #: 834

SAS Variable Name: SentinelLymphNodesExamined_2018

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: The total number of lymph nodes sampled during the sentinel node biopsy and examined by the pathologist. Coded for Breast and Melanoma Skin per Schema ID (2018+).

SENTINEL LYMPH NODES POSITIVE (2018+)

NAACCR Item #: 835

SAS Variable Name: SentinelLymphNodesPositive_2018

Research: Yes

Research Limited-Field: No

Research Plus Limited-Field: No

Field Description: The number of sentinel lymph nodes found to contain metastases. Coded for Breast and Melanoma Skin per Schema ID (2018+).
