SEER RESEARCH PLUS DATA DESCRIPTION

CASES DIAGNOSED IN 1975-2021*

Submission: November 2023

Follow-up Cutoff Date: December 31, 2021

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Diagnosis Years: 1975-2021

PATIENT ID	6
SEER REGISTRY	6
SEER REGISTRY (WITH CA AND GA AS WHOLE STATES)	7
LOUISIANA 2005 – 1 ST VS 2 ND HALF OF THE YEAR	
MARITAL STATUS AT DIAGNOSIS	
RACE/ETHNICITY	
SEX	
AGE RECODE WITH SINGLE AGES AND 100+	
AGE RECODE WITH SINGLE AGES AND 90+	
AGE RECODE WITH SINGLE AGES AND 85+	
AGE RECODE WITH <1 YEAR OLDS AND 90+	11
SEQUENCE NUMBER	12
MONTH OF DIAGNOSIS	
YEAR OF DIAGNOSIS	
YEAR OF FOLLOW-UP RECODE	
YEAR OF DEATH RECODE	
COC ACCREDITED FLAG (2018+)	
MONTH OF DIAGNOSIS RECODE	
PRIMARY SITE	
PRIMARY SITE - LABELED	
LATERALITY	
HISTOLOGIC TYPE ICD-O-3	
BEHAVIOR CODE ICD-O-3	
ICD-O-3 HIST/BEHAV	
ICD-O-3 HIST/BEHAV, MALIGNANT	
SCHEMA ID (2018+)	
GRADE CLINICAL (2018+)	
GRADE PATHOLOGICAL (2018+)	
GRADE RECODE (THRU 2017)	
DERIVED SUMMARY GRADE 2018 (2018+)	
DIAGNOSTIC CONFIRMATION	
TYPE OF REPORTING SOURCE	
EOD 10— SIZE (1988-2003)	
EOD 10—EXTENT (1988-2003)	
EOD 10—PROSTATE PATH EXT (1995-2003)	
EOD 10—NODES (1995-2003)	
REGIONAL NODES POSITIVE (1988+)	
REGIONAL NODES EXAMINED (1988+)	
EXPANDED EOD (1) – EXPANDED EOD (13)	
2-DIGIT NS EOD / 2-DIGIT SS EOD1973-1982	
EOD 4 – SIZE (1983-1987)	
EOD 4 – EXTENT (1983-1987)	
EOD 4 – NODES (1983-1987)	
CODING SYSTEM – EOD (1973-2003)	
TUMOR MARKER 1 (1990-2003)	
TUMOR MARKER 2 (1990-2003)	
TUMOR MARKER 3 (1998-2003)	29
CS TUMOR SIZE (2004-2015)	
CS EXTENSION (2004-2015)	
CS LYMPH NODES (2004-2015)	
CS METS AT DX (2004-2015)	
CS SITE-SPECIFIC FACTOR 1 (2004-2017 VARYING BY SCHEMA)	

CS SITE-SPECIFIC FACTOR 2 (2004-2017 VARYING BY SCHEMA)	32
CS SITE-SPECIFIC FACTOR 3 (2004-2017 VARYING BY SCHEMA)	32
CS SITE-SPECIFIC FACTOR 4 (2004-2017 VARYING BY SCHEMA)	33
CS SITE-SPECIFIC FACTOR 5 (2004-2017 VARYING BY SCHEMA)	
CS SITE-SPECIFIC FACTOR 6 (2004-2017 VARYING BY SCHEMA)	33
ADJUSTED CS SITE-SPECIFIC FACTOR 7 (2004-2017 VARYING BY SCHEMA)	34
CS SITE-SPECIFIC FACTOR 8 (2004-2017 VARYING BY SCHEMA)	
CS SITE-SPECIFIC FACTOR 9 (2004-2017 VARYING BY SCHEMA)	34
CS SITE-SPECIFIC FACTOR 10 (2004-2017 VARYING BY SCHEMA)	35
CS SITE-SPECIFIC FACTOR 11 (2004-2017 VARYING BY SCHEMA)	35
CS SITE-SPECIFIC FACTOR 12 (2004-2017 VARYING BY SCHEMA)	
CS SITE-SPECIFIC FACTOR 13 (2004-2017 VARYING BY SCHEMA)	
CS SITE-SPECIFIC FACTOR 15 (2004-2017 VARYING BY SCHEMA)	
CS SITE-SPECIFIC FACTOR 16 (2004-2017 VARYING BY SCHEMA)	
CS SITE-SPECIFIC FACTOR 25 (2004-2017 VARYING BY SCHEMA)	
DERIVED AJCC T, 6 TH ED (2004-2015)	
DERIVED AJCC N, 6 TH ED (2004-2015)	39
DERIVED AJCC M, 6 TH ED (2004-2015)	40
DERIVED AJCC STAGE GROUP, 6 TH ED (2004-2015)	
SEER COMBINED SUMMARY STAGE 2000 (2004-2017)	
COMBINED SUMMARY STAGE (2004+)	
CS VERSION INPUT ORIGINAL (2004-2015)	
CS VERSION DERIVED (2004-2015)	
CS VERSION INPUT CURRENT (2004-2015)	
RX SUMM—SURG PRIM SITE (1998+)	
RX SUMM—SCOPE REG LN SUR (2003+)	45
RX SUMM-SURG OTH REG/DIS (2003+)	46
RX SUMM-REG LN EXAMINED (1998-2002)	46
RX SUMM-SYSTEMIC/SUR SEQ (2007+)	47
RX SUMM—SURG/RAD SEQ REASON NO CANCER-DIRECTED SURGERY	
RADIATION RECODE	
CHEMOTHERAPY RECODE (YES, NO/UNK)	
SITE SPECIFIC SURGERY (1973-1997 VARYING DETAIL BY YEAR AND SITE)	49 50
SCOPE OF REG LYMPH ND SURG (1998-2002)	50
SURGERY OF OTH REG/DIS SITES (1998-2002)	50
RECORD NUMBER RECODE	51
AGE RECODE WITH <1 YEAR OLDS	51
SITE RECODE ICD-O-3/WHO 2008	
SITE RECODE ICD-O-3/WHO 2008 (FOR SIRS)	
SITE RECODE – RARE TUMORS	
BEHAVIOR RECODE FOR ANALYSIS	
HISTOLOGY RECODE—BROAD GROUPINGS	
HISTOLOGY RECODE—BRAIN GROUPINGS	
ICCC SITE RECODE EXTENDED 3RD EDITION/IARC 2017	
TNM 7/CS v0204+ SCHEMA (THRU 2017)	
TNM 7/CS V0204+ SCHEMA RECODE	63
RACE RECODE (WHITE, BLACK, OTHER)	64
RACE RECODE (W, B, AI, API)	
ORIGIN RECODE NHIA (HISPANIC, NON-HISP)	
RACE AND ORIGIN RECODE (NHW, NHB, NHAIAN, NHAPI, HISPANIC)	
SEER HISTORIC STAGE A (1973-2015)	
	-

AJCC STAGE 3 RD EDITION (1988-2003)	
SEER MODIFIED AJCC STAGE 3 RD ED (1988-2003)	67
FIRST MALIGNANT PRIMARY INDICATOR	
STATE-COUNTY	67
COUNTY	
COUNTY ATRRIBUTES	
PRCDA 2020	
PRCDA REGION	69
COD TO SITE RECODE	69
COD TO SITE REC KM	
COD TO SITE RECODE ICD-O-3 2023 REVISION	
COD TO SITE RECODE ICD-O-3 2023 REVISION EXPANDED (1999+)	
VITAL STATUS RECODE (STUDY CUTOFF USED)	
IHS LINK	
SUMMARY STAGE 2000 (1998-2017)	
AYA SITE RECODE 2020 REVISION	
LYMPHOID NEOPLASM RECODE 2021 REVISION	
SEER BRAIN AND CNS RECODE	
SITE RECODE ICD-O-3 2023 REVISION	
SITE RECODE ICD-O-3 2023 REVISION EXPANDED	
ICCC SITE RECODE 3RD EDITION/IARC 2017	
SEER CAUSE-SPECIFIC DEATH CLASSIFICATION	
SEER OTHER CAUSE OF DEATH CLASSIFICATION	
CS TUMOR SIZE/EXT EVAL (2004-2015)	
CS REG NODE EVAL (2004-2015)	
CS METS EVAL (2004-2015)	
PRIMARY BY INTERNATIONAL RULES	
ER STATUS RECODE BREAST CANCER (1990+)	
PR STATUS RECODE BREAST CANCER (1990+)	76
CS SCHEMA—AJCC 6^{TH} EDITION.	
LYMPH-VASCULAR INVASION (2004+ VARYING BY SCHEMA)	
SURVIVAL MONTHS	
SURVIVAL MONTHS FLAG	
DERIVED AJCC T, 7 TH ED (2010-2015)	
DERIVED AJCC N, 7 TH ED (2010-2015)	
DERIVED AJCC M, 7 TH ED (2010-2015)	
DERIVED AJCC STAGE GROUP, 7^{TH} ED (2010-2015)	84
7 TH EDITION STAGE GROUP RECODE (2016-2017)	
BREAST—ADJUSTED AJCC 6^{TH} T (1988-2015)	
BREAST—ADJUSTED AJCC 6^{TH} N (1988-2015)	87
BREAST—ADJUSTED AJCC 6^{TH} M (1988-2015)	88
BREAST—ADJUSTED AJCC 6TH STAGE (1988-2015)	
DERIVED HER2 RECODE (2010+)	
BREAST SUBTYPE (2010+)	
LYMPHOMAS: ANN ARBOR STAGING (1983-2015)	
SEER COMBINED METS AT DX-BONE (2010+)	
SEER COMBINED METS AT DX-BOAR (2010+)	
SEER COMBINED METS AT DX-LIVER (2010+)	93
SEER COMBINED METS AT DX-LIVER (2010+)	
T VALUE - BASED ON AJCC 3rd (1988-2003)	
N VALUE - BASED ON AJCC 3rd (1988-2003)	
M VALUE - BASED ON AJCC 3RD (1988-2003)	
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TOTAL NUMBER OF IN SITU/MALIGNANT TUMORS FOR PATIENT	95
TOTAL NUMBER OF BENIGN/BORDERLINE TUMORS FOR PATIENT	
RADIATION TO BRAIN OR CNS RECODE (1988-1997)	
TUMOR SIZE OVER TIME RECODE (1988+)	
TUMOR SIZE SUMMARY (2016+)	96
DERIVED SEER CMB STG GRP (2016-2017)	96
DERIVED SEER COMBINED T (2016-2017).	97
DERIVED SEER COMBINED N (2016-2017)	97
DERIVED SEER COMBINED M (2016-2017)	
DERIVED SEER COMBINED T SRC (2016-2017)	98
DERIVED SEER COMBINED N SRC (2016-2017)	
DERIVED SEER COMBINED M SRC (2016-2017)	
TNM EDITION NUMBER (2016-2017)	
METS AT DX—DISTANT LN (2016+)	
METS AT DX—OTHER (2016+)	100
AJCC ID (2018+)	101
EOD SCHEMA ID RECODE (2010+)	101
DERIVED EOD 2018 T (2018+)	
DERIVED EOD 2018 N (2018+)	101
DERIVED EOD 2018 M (2018+)	102
DERIVED EOD 2018 STAGE GROUP (2018+)	102
EOD PRIMARY TUMOR (2018+)	102
EOD REGIONAL NODES (2018+)	102
EOD METS (2018+)	103
PROSTATE PATHOLOGICAL EXTENSION (2018+)	
TIME FROM DIAGNOSIS TO TREATMENT IN DAYS RECODE	103

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	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)

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

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: No

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

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 <u>https://seer.cancer.gov/seerstat/variables/seer/race_ethnicity/.</u>

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	Chamorran (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.

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.

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.

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/Manghant as I cucrany required based on Diagnosis I car	
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.)

In Situ/Malignant as Federally Required based on Diagnosis Year

Non-malignant Tumor as Federally Required based on Diagnosis Year

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

MONTH 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.

 $\frac{\text{Allowable values}}{\text{MM} = 01 - 12}$ 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.

 $\frac{\text{Allowable values}}{\text{YYYY} = 1975 - \text{forward}}$

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.

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: NYeso 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.

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.

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 <u>http://seer.cancer.gov/manuals/primsite.laterality.pdf</u> 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
	• 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

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.

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. <u>https://apps.naaccr.org/ssdi/list/</u>

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. <u>https://apps.naaccr.org/ssdi/list/</u>

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: <u>https://seer.cancer.gov/data-</u> 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

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

111101000	
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

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.

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.

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

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

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)

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)

(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+).

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 mlU/ml
5	Range 2 (S2) 5,000 – 50,000 mlU/ml
6	Range 3 (S3) to >50,000 mlU/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+).

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).

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

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 malignancyCode as 025 (2.5 cm = 25 millimeters)CT of chest shows 4 cm mass in RULCode as 040 (4 cm = 40 mm)Thyroidectomy specimen yields 8 mm carcinomaCode as 008Prostate needle biopsy shows 0.6 mm carcinomaCode as 001 (round up six-tenths of mm)

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

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.

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.

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.

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.

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.

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.

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 <u>variable documentation</u>.

Code	Description
99	TX
00	T0
01	Та
05	Tis
06	Tispu (Urethra only)
07	Tispd (Urethra only)
10	T1
11	T1mic
19	T1 NOS
12	T1a
13	Tlal
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

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 <u>variable documentation</u>.

Code	Description
99	NX
00	N0
01	N0(i-)
02	N0(i+)
03	N0(mol-)
04	N0(mol+)
10	N1
19	N1 NOS
11	Nla
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

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

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

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

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 <u>https://seer.cancer.gov/seerstat/variables/seer/lrd-stage/</u>

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.

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.

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 <u>here</u>

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

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.

General Coding Structure

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 <u>http://seer.cancer.gov/seerstat/variables/seer/regional_ln/</u> 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

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

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

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.

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: <u>https://seer.cancer.gov/data/treatment.html</u>

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

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: <u>http://seer.cancer.gov/seerstat/variables/seer/surgery/</u>

> 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 <u>http://seer.cancer.gov/seerstat/variables/seer/regional_ln/</u> for more information.

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

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 <u>http://seer.cancer.gov/manuals/historic/AppendC.pdf</u> 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

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

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 <u>http://seer.cancer.gov/siterecode/icdo3_dwhoheme/index.html</u>

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/

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+

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 glumus 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 from	n HISTOLOGY	RECODE-	-BROAD	GROUPINGS)
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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

HISTOLOGY RECODE—BRAIN GROUPINGS

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

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

Code	Description
01	Diffuse astrocytoma (protoplasma, fibrillary)
02	Anaplastic astrocytoma
03	Glioblastoma
04	Pilocytic astrocytoma
05	Unique astrocytoma variants
06	Oligodendroglioma
07	Anaplastic oligodendroglioma
08	Ependymoma/anaplastic ependymoma
09	Ependymoma variants
10	Mixed glioma
11	Astrocytoma, NOS
12	Glioma, NOS
13	Choroid plexus
14	Neuroepithelial
15	Benign & malignant neuronal/glial, neuronal & mixed
16	Pineal parenchymal
17	Embryonal/primitive/medulloblastoma
18	Nerve sheath, benign and malignant
19	Meningioma, benign and malignant
20	Other mesenchymal, benign and malignant
21	Hemangioma and hemagioblastoma
22	Lymphoma
23	Germ cell tumors, cysts, and heterotopias
24	Chordoma/chondrosarcoma
25	Pituitary
26	Craniopharyngioma
27	Neoplasm, unspecified, benign and malignant
97	Other Brain Histologies
98	Not Brain

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)

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
027 028	Esophagus

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

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

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

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.

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 <u>http://seer.cancer.gov/seerstat/variables/seer/race_ethnicity</u>.

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

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 <u>http://seer.cancer.gov/seerstat/variables/seer/race_ethnicity</u>.

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 <u>http://seer.cancer.gov/seerstat/variables/seer/race_ethnicity</u>.

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

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, issues, 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

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.

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 ATRRIBUTES

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/

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 <u>https://seer.cancer.gov/seerstat/variables/seer/race_ethnicity</u> OR <u>https://seer.cancer.gov/seerstat/variables/countyattribs/</u>

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 <u>https://seer.cancer.gov/codrecode/1969_d04162012</u>. Study cutoff date has been applied, i.e. coded as alive if death occurred after study cutoff.

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.

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 <u>https://seer.cancer.gov/codrecode/</u>. Study cutoff date has been applied, i.e. coded as alive if death occurred after study cutoff.

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 <u>https://seer.cancer.gov/codrecode/</u>. Study cutoff date has been applied, i.e. coded as alive if death occurred after study cutoff.

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.

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

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 <u>https://seer.cancer.gov/lymphomarecode/</u>

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/

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

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 <u>http://seer.cancer.gov/causespecific</u>.

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

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 <u>http://seer.cancer.gov/causespecific</u>.

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

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

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

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

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

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

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 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

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

(Continued from CS SCHEMA—AJCC 6TH EDITION)

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

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 <u>http://seer.cancer.gov/survivaltime</u>.

Code	Description
000-9998	000-9998 months
9999	Unknown

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 <u>http://seer.cancer.gov/survivaltime</u>.

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

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	ТХ
000	Т0
010	Та
050	Tis
060	Tispu (Urethra only)
070	Tispd (Urethra only)
100	T1
110	T1mic
199	T1 NOS
120	Tla
130	Tlal
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

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

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

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	Nla
120	N1b
130	N1c
180	N1mi
200	N2
299	N2 NOS
210	N2a
220	N2b
230	N2c
300	N3

(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

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)

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

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

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.

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 <u>http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage/6th.</u>

Code	Description
00	T0
01	Та
05	Tis
06	Tispu
07	Tispd
10	T1
11	T1mic
12	T1a
13	Tlal
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 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	Nla
12	N1b
13	N1c
18	N1mi
19	N1NOS
20	N2
21	N2a
22	N2b
23	N2c
29	N2NOS
30	N3
31	N3a

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

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

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 <u>http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage/6th.</u>

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

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 <u>http://seer.cancer.gov/seerstat/variables/seer/ajcc-stage/6th.</u>

Code	Description
00	0
01	0a
02	0is
10	Ι
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	Π
31	IINOS
32	IIA
33	IIB
34	IIC
35	IIEA
36	IIEB
37	IIE
38	IISA
39	IISB
40	IIS
41	IIESA

Code	Description
43	IIES
50	III
51	IIINOS
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

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

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

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

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 NAACR 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 NAACR Item #2852 (2010-2015) and #1113 (2016+).

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

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+).

Description
None; no lung metastases
Yes
Not applicable
Unknown; not documented in patient record
Blank

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

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

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.

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.

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

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

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

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.

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.

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.