

Documentation for the Patient Entitlement and Diagnosis Summary File

FILENAME 1: pedsf.cancer.txt
LRECL 1: 3,964
FILENAME 2: pedsf.5percent.txt (if requested)
LRECL 2: 2,234

File recreated on 8/1/11 to include SEER data received in November, 2010. SEER data on cases diagnosed between 1973 and 2007 were updated, as necessary. No new patients were added.

SEER Cases diagnosed 1973-2007

ABSTRACT: The PEDSF file contains one record per person for individuals in the SEER Program data base who have been matched with Medicare enrollment records. Of persons who were reported by the SEER Registries to have been diagnosed with cancer at age 65 or older, 94 percent were matched with Medicare enrollment records. For persons appearing in the PEDSF file, basic SEER Program diagnostic information is available for up to 10 diagnosed cancer occurrences. Data also include Medicare entitlement and utilization data from 1986-2009. Geographically based socioeconomic information from the U.S. Census Bureau has also been included using Census 1990 and Census 2000.

PROGRAMMER: Angela Meekins, Information Management Services, Inc.

CONTACT: SEER-Medicare Technical Support,
Information Management Services, Inc.
Email: SEER-Medicare@imsweb.com

NOTE1: PEDSF includes SEER cases from Los Angeles and San Jose from 1988 thru 2007, although these registries did not become part of the SEER program until 1992. Cases diagnosed prior to 1992 do not contain stage data. The LA and SJ registries have allowed the release of the data prior to 1992 but have indicated that, 'Cancer incidence data prior to 1992 have been collected under Subcontract 050C-8709 through 050I-8709 with the Public Health Institute. The subcontract is supported by the California Department of Health Services as part of its statewide cancer reporting program, mandated by Health and Safety Code Section 103875 and 103885. The ideas and opinions expressed from using these data are those of the author, and no endorsement of the State of California, Department of Health Services or the Public Health Foundation is intended or should be inferred.'

NOTE2: For all non-custom requests, patients have been selected if the cancer(s) requested appeared in the site array (siterkm1-10) and the associated year of diagnosis (yrdx1-10) fell in the year of diagnosis window requested.

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
1	Patient ID (patient_id)	10	Master File	
1	SEER Cases - Registry	2	SEER	First two digits in the patient ID. '02' = Connecticut (1973+) '20' = Detroit (1973+) '21' = Hawaii (1973+) '22' = Iowa (1973+) '23' = New Mexico (1973+) '25' = Seattle (1974+) '26' = Utah (1973+) '27' = Atlanta (1975+) '37' = Rural Georgia (1992+) '42' = Kentucky (2000+) '43' = Louisiana (2000+) '44' = New Jersey (2000+) '88' = California NOTE: Specific California registries will be differentiated in the repeated registry codes (starting in column 2297, variables reg1-reg10)
3	Case Number	8	SEER	Encrypted SEER Case Number
11	Five Pct Indicator (fivepct)	1	Master File	Indicates inclusion in the 5% Medicare sample. 'Y' = Included 'N' = Not included
12	Match Type (mat_type)	1	Match File	CMS's matching algorithm is available at IMS. 'A' = Alphabetic Match 'B' = SSN Match
13	Match Flag 1 (yobflg1)	1	Match File	Year of Birth flag for SSN and Alpha Match. 'Y' = Agreement between SEER and Medicare 'N' = Did not agree '0' (Zero) = Cases matched on SSN 'U' = Unknown, Missing data
14	Match Flag 2 (dobflg2)	1	Match File	Day of Birth Match for SSN and Alpha Match (See Match Flag 1 for code definition)

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
15	Match Flag 3 (yodflg3)	1	Match File	Month and Year of Death for Alpha Match. (See Match Flag 1 for code definition)
16	Match Flag 4 (sexflg4)	1	Match File	Sex Flag for SSN and Alpha Match. (See Match Flag 1 for code definition)
17	Match Flag 5 (lstflg5)	1	Match File	Last Name Flag for SSN Match. (See Match Flag 1 for code definition)
18	Match Flag 6 (fstflg6)	1	Match File	First Name Flag for SSN Match. (See Match Flag 1 for code definition)
19	Match Flag 7 (mobflg7)	1	Match File	Month of Birth Flag for SSN Match. (See Match Flag 1 for code definition)
20	Match Flag 8 (midflg8)	1	Match File	Middle Initial Flag for Alpha Match. (See Match Flag 1 for code definition)
21	Number of digits in SSN that matched (numdigit)	1	Match File	Alpha search only. '0'-'8' '9' = SSN match 'U' = Unknown; data missing 'A' = digits transposed and matched
22	Date of Death Flag (dod_flg)	1	Created at IMS	Shows the level of agreement between SEER and MEDICARE on the patient's month of death. Dates of death after 12/08 were treated as 'not dead' for comparison purposes. '0' = Not dead by 12/08. '1' = Dead, both files agree. '2' = Dead, off by 1-3 months. '3' = Dead, off by 4-6 months. '4' = Dead in MEDICARE only, '5' = Dead in SEER only. '6' = Dead but number of months could not be calculated due to the fact that month was missing for either SEER or MEDICARE.

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
23	Date of Birth Flag (dob_flg)	1	Created at IMS	Shows the level of agreement between SEER and MEDICARE on the patient's month of birth. '0' = Both files agree on birth date. '1' = Birth date off by 1-3 months. '2' = Birth date off by 4-6 months. '3' = Birth date off by 7-11 months. '4' = Birth date off by one year '5' = Birth date off by 13-23 months '6' = Birth date off by 2 years '7' = Birth date off by 25-35 months '8' = Birth date off by 3 years '9' = Birth date off by 37+ months Blank = Birth date is missing
24	Linkage Flag (linkflag)	1	Created at IMS	Indicates the linkage the patient is first associated with. '1' = 2005 linkage, earliest claim year is 1991 '2' = 2008 linkage, earliest claim year is 1998 '3' = 2010 linkage, earliest claim year is 2000
25	Medicare Date of Death (med_dodm, med_dodd, med_dody)	8	EDB	MMDDYYYY or blanks for not dead. Reported to CMS by SSA – not date of last contact.
33	Medicare Month of Birth (birthm)	2	EDB	MM, zeroes for invalid
37	Medicare Year of Birth (birthyr)	4	EDB	YYYY, zeroes for invalid
41	Sex (m_sex)	1	EDB	'1' = Male '2' = Female
42	Race (Race)	1	EDB	'1' = White '2' = Black '3' = Other '4' = Asian '5' = Hispanic '6' = N. Am. Native '0' = Unknown

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
43	Original Reason for Entitlement (rsncd1)	1	EDB	'0' = OASI (age) '1' = DIB (disability) '2' = ESRD '3' = DIB/ESRD This is the first entitlement reason located on EDB
44	Current Reason for Entitlement (cur_ent)	1	EDB	Blank = Not Enrolled '0' = OASI (age) '1' = DIB '2' = ESRD '3' = DIB/ESRD Variable is selected by the first diagnosis date at age 65 or older, or the last diagnosis if all are prior to turning age 65. If information not available at those times then the first available data is used.
45	Chronic Renal Disease (chr_esrd)	1	EDB	'0'(zero) = No ESRD 'Y' = Source of ESRD Variable is set to zero. If there is a start date before the diagnosis date at age 65 or older, or the last diagnosis if all are prior to turning age 65 then it is set to Y.
46	Medicare Status Code (med_stcd)	2	EDB	Blank = Not Enrolled '10' = Aged '11' = Aged with ESRD '20' = Disabled '21' = Disabled with ESRD '31' = ESRD only Variable is selected by the first diagnosis date at age 65 or older, or the last diagnosis if all are prior to turning age 65. If information not available at those times then the first available data is used.
48	Old Encrypted Casenum (oshufcase)	8	IMS	The encrypted case number for Louisiana and Seattle in the 2008 linkage.
56	filler	1		

Geographic Information

SEER program data are from the SEER record corresponding to the first diagnosis of cancer at age 65 or older. Zip codes are from Medicare enrollment file in the year of first diagnosis at age 65 or older or the last diagnosis if never 65. Census data was extracted from the 1990 (cen90) and 2000 (cen00) census data files for both census tract level information and zip code level information.

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
57	State (state)	2	SEER	FIPS state code
59	County (county)	3	SEER	FIPS county code
62	Zip Code (zip)	9	EDB	Zip code. * Special permission required for release.
71	Census Tract Flag (code_sys)	1	SEER	Use in conjunction with Census Tract (tract) '0' = Not tracted '1' = 1970 Census tract definitions '2' = 1980 Census tract definitions '3' = 1990 Census tract definitions
72	Census Tract (tract)	6	SEER	1970/80/90 census tract * Special permission required for release.
78	Census Tract 2000 (tract2k)	6	SEER	2000 census tract * Special permission required for release.
84	HSA (hsa)	3	ARF	Health Service Area. Taken from the 2004 Area Resource File (ARF).
87	Urban/Rural recode (urbrur)	1	ARF	Urban/Rural Code '1' = Big Metro (Urban = 00 or 01) '2' = Metro (Urban=02 or 03) '3' = Urban (Urban=04 or 05) '4' = Less Urban (Urban=06 or 07) '5' = Rural (Urban=08 or 09) '9' = Unknown (Urban=99)
88	Urban/Rural code (urban)	2	ARF	'01'-'09', '99' see attachment.
<u>Zip code and Census Tract level data</u>				
If there was no valid Zip Code reported in the Medicare file, zip code variables were left blank. If a zip code was reported in the Medicare file but not found in census data, the variables were 8-filled. Likewise if the area was not tracted (i.e., blank in the SEER record), census variables were left blank. If an invalid tract (i.e., '000000', '999999', '099999') was reported in SEER, the variables were 9-filled. If a tract was reported in SEER but not found in the census data the variables were 8-filled.				
90	Census Tract PCI (ctpci90)	10	Census 1990	Per Capita Income for census tract based on the 1990 Census Bureau survey.

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
100	Census Tract Median Income (ctmed90)	10	Census 1990	Median Income for census tract based on the 1990 census bureau survey.
110	Census Tract Density (ctden90)	10	Census 1990	Total pop/Total land area. Based on the 1990 census bureau survey.
120	Census Tract % Non HS (ctnon90)	6.2	Census 1990	Percent of persons 25+ with < 12 years education.
126	Census Tract % HS only (cthso90)	6.2	Census 1990	Percent of persons 25+ with a high school education only.
132	Census Tract % Some College (ctsci90)	6.2	Census 1990	Percent of persons 25+ with some college education.
138	Census Tract % College (ctcol90)	6.2	Census 1990	Percent of persons 25+ with at least 4 Years college education.
144	Census Tract % Black (ctblk90)	6.2	Census 1990	Black population / Total population
150	Census Tract % White (ctwht90)	6.2	Census 1990	White population / Total population
156	Census Tract % Hispanic (cthsp90)	6.2	Census 1990	Hispanic population / Total population
162	Census Tract % below poverty level (ctpov90)	6.2	Census 1990	Percent of tract residents living below the poverty level.

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
168	Census Tract % HHs speaking English not well or not at all (cten590)	6.2	Census 1990	Speaking English not well or not at all age 5+
174	Census Tract % HHs speaking English not well or not at all 65+ (cten690)	6.2	Census 1990	Speaking English not well or not at all age 65+
180	Census Tract Median Income by Age (medag90)	10	Census 1990	Median HH Income by age. Census 1990 data not available.
190	Census Tract Median Income by Race (medrc90)	10	Census 1990	Median HH income by race. Census 1990 data not available.
200	Census Tract % Poverty by Race and Age (povrc90)	6.2	Census 1990	Percent of the tracts residents living below poverty level (Race and age specific <65, 65-74, 75+)
206	Census Tract % Non HS by Race (nonrc90)	6.2	Census 1990	Percent persons age 25+ with <12 years education. (Race specific)
212	Census Tract % HS only by Race (hsorc90)	6.2	Census 1990	Percent persons age 25+ with a high school diploma. (Race specific)

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
218	Census Tract \$ Some College by Race (sclrc90)	6.2	Census 1990	Percent persons age 25+ with some college education. (Race specific)
224	Census Tract % College by Race (colrc90)	6.2	Census 1990	Percent persons age 25+ with at least 4 years of college education. (Race specific)
230	Zip Code PCI (zppci90)	10	Census 1990	Per Capita Income for zip code.
240	Zip Code Median Income (zpmcd90)	10	Census 1990	Median HH Income for zip code.
250	Zip Code Density (zpdn90)	10	Census 1990	Total pop/Total land area.
260	Zip Code % Non HS (zpnnon90)	6.2	Census 1990	Percent of persons 25+ with < 12 years education.
266	Zip Code Tract % HS only (zphso90)	6.2	Census 1990	Percent of persons 25+ with a high school education only.
272	Zip Code % Some College (zpscl90)	6.2	Census 1990	Percent of persons 25+ with some college education.
278	Zip Code % College (zpcol90)	6.2	Census 1990	Percent of persons 25+ with at least 4 years college education.
284	Zip Code % Black (zpbk90)	6.2	Census 1990	Black population / Total population
290	Zip Code % White (zpwht90)	6.2	Census 1990	White population / Total population

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
296	Zip Code % Hispanic (zphsp90)	6.2	Census 1990	Hispanic population / Total population
302	Zip Code % HHs speaking English not well or not at all (zpen590)	6.2	Census 1990	Speaking English not well or not at all age 5+
308	Zip Code % HHs speaking English not well or not at all 65+ (zpen690)	6.2	Census 1990	Speaking English not well or not at all age 65+
314	Zip Code % Non HS by Race (znonrc90)	6.2	Census 1990	Percent persons age 25+ with <12 years education. (Race specific)
320	Zip Code % HS only by Race (zhsorc90)	6.2	Census 1990	Percent persons age 25+ with a high school diploma. (Race specific)
326	Zip Code % Some College by Race (zsclrc90)	6.2	Census 1990	Percent persons age 25+ with some college education. (Race specific)
332	Zip Code % College by Race (zcolrc90)	6.2	Census 1990	Percent persons age 25+ with at least 4 years of college education. (Race specific)
338	Census Tract PCI (ctpci00)	10	Census 2000	Per Capita Income for census tract based on the 2000 Census Bureau survey.
348	Census Tract Median Income (ctmed00)	10	Census 2000	Median Income for census tract based on the 2000 census bureau survey.

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
358	Census Tract Density (ctden00)	10	Census 2000	Total pop/Total land area. Based on the 2000 census bureau survey.
368	Census Tract % Non HS (ctnon00)	6.2	Census 2000	Percent of persons 25+ with < 12 years education.
374	Census Tract % HS only (cthso00)	6.2	Census 2000	Percent of persons 25+ with a high school education only.
380	Census Tract % Some College (ctsci00)	6.2	Census 2000	Percent of persons 25+ with some college education.
386	Census Tract % College (ctcol00)	6.2	Census 2000	Percent of persons 25+ with at least 4 Years college education.
392	Census Tract % Black (ctblk00)	6.2	Census 2000	Black population / Total population
398	Census Tract % White (ctwht00)	6.2	Census 2000	White population / Total population
404	Census Tract % Hispanic (cthsp00)	6.2	Census 2000	Hispanic population / Total population
410	Census Tract % below poverty level (ctpov00)	6.2	Census 2000	Percent of tract residents living below the poverty level.
416	Census Tract % HHs speaking English not well or not at all (cten500)	6.2	Census 2000	Speaking English not well or not at all age 5+

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
422	Census Tract % HHs speaking English not well or not at all 65+ (cten600)	6.2	Census 2000	Speaking English not well or not at all age 65+
428	Census Tract Median Income by Age (medag00)	10	Census 2000	Median HH Income by age. Census 1990 data not available.
438	Census Tract Median Income by Race (medrc00)	10	Census 2000	Median HH income by race. Census 1990 data not available.
448	Census Tract % Poverty by Race and Age (povrc00)	6.2	Census 2000	Percent of the tracts residents living below poverty level (Race and age specific <65, 65-74, 75+)
454	Census Tract % Non HS by Race (nonrc00)	6.2	Census 2000	Percent persons age 25+ with <12 years education. (Race specific)
460	Census Tract % HS only by Race (hsorc00)	6.2	Census 2000	Percent persons age 25+ with a high school diploma. (Race specific)
466	Census Tract \$ Some College by Race (sclrc00)	6.2	Census 2000	Percent persons age 25+ with some college education. (Race specific)
472	Census Tract % College by Race (colrc00)	6.2	Census 2000	Percent persons age 25+ with at least 4 years of college education. (Race specific)

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
478	Zip Code PCI (zppci00)	10	Census 2000	Per Capita Income for zip code.
488	Zip Code Median Income (zpmmed00)	10	Census 2000	Median HH Income for zip code.
498	Zip Code Density (zpdn00)	10	Census 2000	Total pop/Total land area.
508	Zip Code % Non HS (zpnnon00)	6.2	Census 2000	Percent of persons 25+ with < 12 years education.
514	Zip Code Tract % HS only (zphso00)	6.2	Census 2000	Percent of persons 25+ with a high school education only.
520	Zip Code % Some College (zpscl00)	6.2	Census 2000	Percent of persons 25+ with some college education.
526	Zip Code % College (zpcol00)	6.2	Census 2000	Percent of persons 25+ with at least 4 years college education.
532	Zip Code % Black (zpbk00)	6.2	Census 2000	Black population / Total population
538	Zip Code % White (zpwht00)	6.2	Census 2000	White population / Total population
544	Zip Code % Hispanic (zphsp00)	6.2	Census 2000	Hispanic population / Total population
550	Zip Code % HHs speaking English not well or not at all (zpen500)	6.2	Census 2000	Speaking English not well or not at all age 5+

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
556	Zip Code % HHs speaking English not well or not at all 65+ (zpen600)	6.2	Census 2000	Speaking English not well or not at all age 65+
562	Zip Code % Non HS by Race (znonrc00)	6.2	Census 2000	Percent persons age 25+ with <12 years education. (Race specific)
568	Zip Code % HS only by Race (zhsorc00)	6.2	Census 2000	Percent persons age 25+ with a high school diploma. (Race specific)
574	Zip Code % Some College by Race (zscirc00)	6.2	Census 2000	Percent persons age 25+ with some college education. (Race specific)
580	Zip Code % College by Race (zcolrc00)	6.2	Census 2000	Percent persons age 25+ with at least 4 years of college education. (Race specific)

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Demographic Information II

The following information comes from the SEER record corresponding to the first diagnosis at age 65 or over, or the latest diagnosis if all are prior to turning age 65.

588	Sex (s_sex)	1	SEER	'1' = Male '2' = Female '9' = Not Stated
589	Race Recode B (rac_recb)	2	SEER	Race Recode B from SEER '01','11' = White '01' = Caucasian, NOS '02' = Black '03' = American Indian/Alaska Native '04' = Chinese '05' = Japanese '06' = Filipino '07' = Hawaiian '08' = Other Asian or Pac. Islander '09' = Unknown '11' = Caucasian, Spanish origin or surname '12' = Other unspecified (1991+)
591	Race Recode Y (rac_recy)	1	SEER	Race Recode Y from SEER '1' = "White" '2' = "Black" '3' = "American Indian/Alaska Native" '4' = "Asian or Pacific Islander" '7' = "Other unspecified (1991+)" '9' = "Unknown"
592	ICD Code – Cause of Death (icd_code)	1	SEER	'0' = Patient is alive at last follow-up '1' = Tenth ICD revision '8' = Eighth ICD revision '9' = Ninth ICD revision
593	Cause of Death ICD -8 or 9 (cod89v)	4	SEER	'0000' = Alive at last contact '7777' = State Death Certificate not available. '7797' = Death Certificate available, no COD listed.
597	Cause of Death ICD-10 (cod10v)	4	SEER	'A020'-'Y891' '0000' = Alive at last contact '7777' = State Death Certificate not available. '7797' = Death Certificate available, no COD listed.

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601	Cause of Death to site recode KM (codkm)	3	SEER	For details on COD to SEER site recode with Kaposi sarcoma and mesothelioma, see attachment.
604	Cause of Death to site recode (codpub)	3	SEER	This recode was introduced to account for several newly valid ICD-10 codes and includes both cancer and non-cancer causes of death. See attachment for details.
607	NHIA Derived Hispanic Origin (nhiade)	1	SEER	The NAACCR Hispanic Identification Algorithm (NHIA) is a computerized algorithm that uses a combination of variables to directly or indirectly classify cases as Hispanic for analytic purposes. '0' = Non-Spanish-Hispanic-Latino '1' = Mexican '2' = Puerto Rican '3' = Cuban '4' = South or Central American excluding Brazil '5' = Other specified Spanish/Hispanic Origin including Europe '6' = Spanish/Hispanic/Latino, NOS '7' = NHIA Surname Match Only '8' = Dominican Republic
608	IHS Link Recode (ihslink)	1	SEER	This variable captures the results of the linkage of the registry database with the Indian Health Service patient registration database for November 2008. '0' = Record sent for linkage, no IHS match '1' = Record sent for linkage, IHS match
609	SEER Month of Death (ser_dodm)	2	SEER	'00' = Alive '14' = Unknown month
611	SEER Year of Death (ser_dody)	4	SEER	'0000' = Alive '2053' = Unknown year

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615	SEER Race/Ethnicity (srace)	2	SEER	<p>This field is created from Race1 and the Indian Health Service HIS Link variables from the NAACCR File Format. If Race1 is white and there is a positive HIS link, then Race/ethnicity is set to American Indian/Alaskan Native, otherwise Race/Ethnicity is set to the Race1 value.</p> <p>'01' = White '02' = Black '03' = American Indian, Aleutian Islander, 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 (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 dx) '21' = Chamorran (Effective with 1/1/1991 dx) '22' = Guamanian, NOS (Eff. with 1/1/1991 dx) '25' = Polynesian,NOS (Eff. 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 (Eff. 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</p>
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617	SEER Hispanic Surname (origin)	1	SEER	<p>This data item is used to identify patients with Spanish/Hispanic surname or of Spanish origin. Persons of Spanish or Hispanic surname/origin may be of any race.</p> <p>'0' = Non-Spanish/Non-Hispanic '1' = Mexican (includes Chicano) '2' = Puerto Rican '3' = Cuban '4' = South or Central American (except Brazil) '5' = Other specified Spanish/Hispanic origin (includes European; excludes Dominican Republic) '6' = Spanish, NOS; Hispanic, NOS; Latino, NOS (There is evidence, other than surname or maiden name, that the person is Hispanic but he/she cannot be assigned to any of the categories 1-5). '7' = Spanish surname only (effective with diagnosis on or after 1/1/1994) (The only evidence of the person's Hispanic origin is the surname or maiden name and there is no contrary evidence that the patient is not Hispanic.) '8' = Dominican Republic (effective with diagnosis on or after 1/1/2005) '9' = Unknown whether Spanish/Hispanic or not</p> <p>NOTE: Codes 1-5 were used for 1988+ Diagnoses. For cases prior to 1988 it was only Used if the person also had a diagnosis of an Independent primary after 1987. Code 7 was Used for 1994+ diagnoses. For cases prior to 1994 it was only used if the person also had a diagnosis of an independent primary after 1993.</p>
618	Origin recode NHIA (Hispanic, Non-Hisp) (origrecb)	1	SEER	<p>'0' = Non-Spanish-Hispanic-Latino '1' = Spanish-Hispanic-Latino</p>
619	Filler	8		

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627	Vital Status Recode (stat_rec)	1	SEER	Any patient that dies after the follow-up cut-off Date is recoded to alive as of the cut-off date. Cut-off date is 12/31/2008. '1' = Alive '4' = Dead
628	Census Tract Certainty (cen_cert)	1	SEER	Associated with 1970/80/90 Census data '1' = Census tract based on complete and valid street address of residence '2' = Census tract based on residence ZIP + 4 '3' = Census tract based on residence ZIP + 2 '4' = Census tract based on residence ZIP code only '5' = Census tract based on ZIP code of post office box '6' = Census tract/BNA based on residence city where city has only one census tract, or based on residence ZIP code where ZIP code has only one census tract '9' = Unable to assign census tract based on available information
629	Census Tract Certainty 2000 (ctcer2k)	1	SEER	Associated with 2000 Census data '1' = Census tract based on complete and valid street address of residence '2' = Census tract based on residence ZIP + 4 '3' = Census tract based on residence ZIP + 2 '4' = Census tract based on residence ZIP code only '5' = Census tract based on ZIP code of post office box '6' = Census tract/BNA based on residence city where city has only one census tract, or based on residence ZIP code where ZIP code has only one census tract '9' = Unable to assign census tract based on available information
630	Place of Birth (plc_brth)	3	SEER	See the following link for a list of SEER Birthplace codes and definitions. http://seer.cancer.gov/manuals/2004Revision%201/SPM_AppendixB_r1.pdf

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633	Number of SEER records (count)	2	SEER	Number of eligible SEER records. SEER records prior to 1992 for Rural Georgia and records prior to 2000 for Greater California, New Jersey, Kentucky, and Louisiana were not included in PEDSF.
635	Number of primaries (numprims)	2	SEER	Number reflects the actual number of primaries based on the number of records/tumors in SEER. This value is the same across all records for a person.
637	Multiple Site Indicator (multisite)	1	SEER	Shows if first cancer diagnosis in SEER was actually the patient's first cancer. '0' = First Insitu, no invasives '1' = First Invasive '9' = Second or subsequent, or insitu when the patient also has an invasive.
638	Diagnosis indicator (resnrec)	1	Created at IMS	'0' = Last Dx; Patient always less than 65. '1' = First Dx at age 65 or later.
639	First diagnosis date at age 65 or older (dx65m, dx65y)	6	Created at IMS	RETAINED FROM FIRST RECORD WHEN PATIENT IS 65 OR OLDER, OR THE LAST RECORD IF NEVER 65. MMYYYY MM = 14 = Unknown month
645	Sequence Number (seq65)	2	Created at IMS	RETAINED FROM FIRST RECORD WHEN PATIENT IS 65 OR OLDER, OR THE LAST RECORD IF NEVER 65. 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

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before the registry participated in the SEER Program. The purpose of sequencing based on the patient's *lifetime* is to truly identify the patients for survival analysis who only had one malignant primary in their lifetimes.

In Situ/Malignant as Federally Required based on Diagnosis Year

00 = One primary only in the patient's lifetime

01 = First of two or more primaries

02 = Second of two or more primaries

..

35 = Thirty-fifth or thirty-five or more primaries

99 = Unspecified or unknown sequence number of Federally required in situ or malignant tumors. Sequence number 99 can be used if there is a malignant tumor and its sequence number is unknown. (if there is known to be more than one malignant tumor, then the tumors must be sequenced.)

Non-malignant Tumor as Federally Required based on Diagnosis Year

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 it's sequence number is unknown. If there is known to be more than one non-malignant tumor, then the tumors must be sequenced.)

98 = Cervix carcinoma in situ (CIS/CIN III, Diagnosis Years 1996-2002

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NOTE: Date of non-malignant tumors will appear out of sequence on the patient's record since the diagnoses are sorted by sequence number. This occurs in a negligible number of cases.

647 Site Recode with Kaposi and Mesothelioma ICD-O-3 (siterkm65) 2 Created at IMS

RETAINED FROM FIRST RECORD WHEN PATIENT IS 65 OR OLDER, OR THE LAST RECORD IF NEVER 65.

For publications, SEER has defined major site groups based on primary site and ICD-O-3 morphology including Kaposi Sarcoma and mesothelioma. See attachment for codes.

649 SEER Age at Diagnosis (agedx65) 3 SEER

RETAINED FROM FIRST RECORD WHEN PATIENT IS 65 OR OLDER, OR THE LAST RECORD IF NEVER 65.

This data item represents the age of the patient at diagnosis for cancer. The code is three digits and represents the patient's actual age in years.

000-130 = Actual age in years

999 = Unknown age

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652 Registry at 65 2 SEER RETAINED FROM FIRST RECORD WHEN PATIENT IS 65 OR OLDER, OR THE LAST RECORD IF NEVER 65.
(reg65)

SEER Registry Code
 '01' = San Francisco (1973+)
 '02' = Connecticut (1973+)
 '20' = Detroit (1973+)
 '21' = Hawaii (1973+)
 '22' = Iowa (1973+)
 '23' = New Mexico (1973+)
 '25' = Seattle (1974+)
 '26' = Utah (1973+)
 '27' = Atlanta (1975+)
 '31' = San Jose (1988+)
 '35' = Los Angeles (1988+)
 '37' = Rural Georgia (1992+)
 '41' = Greater California (2000+)
 '42' = Kentucky (2000+)
 '43' = Louisiana (2000+)
 '44' = New Jersey (2000+)

654 Filler 10

Repeated Entitlement Information

These variables (columns 664-695) are repeated once for every year from 1986 to 2009.

664 Entitlement Indicators 12 EDB One indicator for each month in the year.
(mon1-mon288)
 '0' = Not entitled
 '1' = Part A only
 '2' = Part B only
 '3' = Part A and B
Note: mon1 = 1/1986, mon2 = 2/1986, mon3 = 3/1986mon288 = 12/2009

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676	HMO indicators (gho1-gho288)	12	EDB	<p>One indicator for each month in the year.</p> <p>'0' = Not a member of HMO</p> <p>'1' = Non-Lock-in, CMS to process provider claims</p> <p>'2' = Non-Lock-in, GHO to process in-plan Part A & in-area Part B claims</p> <p>'4' = Chronic care disease management organizations-FFS plan</p> <p>'A' = Lock-in, CMS to process provider claims</p> <p>'B' = Lock-in, GHO to process in-plan Part A & in-area Part B claims</p> <p>'C' = Lock-in, GHO to process all Part A and Part B claims</p> <p>Note: gho1 = 1/1986, gho2 = 2/1986, gho3 = 3/1986gho288 = 12/2009</p>
688	Part A Months (ptacnt1986-ptacnt2009)	2	EDB	<p>Number of months covered for part A in each year covering 1986-2009.</p> <p>'00' = No coverage that year</p> <p>'01'-'12' = Number of months of coverage</p>
690	Part B Months (ptbcnt1986-ptbcnt2009)	2	EDB	<p>Number of months covered for part B in each year covering 1986-2009.</p> <p>'00' = No coverage that year</p> <p>'01'-'12' = Number of months of coverage</p>
692	HMO Months (hmocnt1986-hmocnt2009)	2	EDB	<p>Number of months as an HMO Member in each year covering 1986-2009.</p> <p>'00' = No coverage that year</p> <p>'01'-'12' = Number of months of coverage</p>
694	State Buy-in Months (stbuyin1986-stbuyin2009)	2	EDB	<p>Number of months with state buy-in coverage In each year covering 1986-2009.</p> <p>'00' = No coverage that year</p> <p>'01'-'12' = Number of months of coverage</p>

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Part D Denominator Information

1496	Research Triangle Institute Race Code (rtirace)	1	Part D Denom	<p>Occurs just once. Taken from the last available record in the Part D Denominator files.</p> <p>Enhanced race/ethnicity designation based on first and last name algorithms.</p> <p>'X' = Enrolled in Medicare A and/or B, but no MIIR record found; unable to determine RTI Race Code</p> <p>'0' = Unknown</p> <p>'1' = Non-Hispanic White</p> <p>'2' = Black (or African American)</p> <p>'3' = Other</p> <p>'4' = Asian/Pacific Islander</p> <p>'5' = Hispanic</p> <p>'6' = American Indian/Alaska Native</p>
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Repeated Part D Denominator Information

These variables (columns 1497-1576) are repeated once for every year from 2006 to 2010. (YY = the year of the file, ex. 06)

1497	On/Off Creditable Coverage Switch (credYY)	1	Part D Denom	<p>Indicates for the Denominator reference year, the presence or absence of creditable coverage status.</p> <p>'X' = Enrolled in Medicare A and /or B, but no MIIR record for the year</p> <p>'0' = No instances of any creditable coverage status switch being "ON" at any point during the year</p> <p>'1' = For at least 1 month during the year, 1 out of 5 creditable coverage switches was "ON". Therefore, the beneficiary was enrolled in at Least 1 of 5 creditable coverage categories (i.e., FEHB, Tricare, VA, SPAP, or working aged).</p>
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1498	Plan-Value Indicators (Jan. – Dec.) (planYY_01- planYY_12)	12	Part D Denom	<p>12 monthly 1-byte indicators</p> <p>Indicates for each month of the Denominator reference year, the Part D enrollment, which is based on the 1st digit or the Part D contract number.</p> <p>Recodes only indicating type of plan; no 5-digit plan numbers.</p> <p>'0' = Not Medicare enrolled for the month</p> <p>'X' = Enrolled in Medicare A and/or B, but no MIIR record for the month</p> <p>'H' = Managed Care Organizations other than Regional PPO</p> <p>'R' = Regional PPO</p> <p>'S' = PDP</p> <p>'N' = Not Part D Enrolled</p> <p>'E' = Employer-sponsored (starting in Jan. 2007)</p>
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1510	Denominator Cost Share Group (Jan. – Dec.) (costYY_01- costYY_12)	24	Part D Denom	<p>12 monthly 2-byte indicators</p> <p>Calculated field that describes a beneficiary's Subsidy and/or copayment status.</p> <p>'00' = Not Medicare enrolled for the month 'XX' = Enrolled in Medicare A and/or B, but no MIIR record for the month '01' = Bene is deemed with 100% premium-subsidy and no copayment '02' = Bene is deemed with 100% premium-subsidy and low copayment '03' = Bene is deemed with 100% premium-subsidy and high copayment '04' = Bene with LIS, 100% premium-subsidy and high copayment '05' = Bene with LIS, 100% premium-subsidy and 15% copayment '06' = Bene with LIS, 75% premium-subsidy and 15% copayment '07' = Bene with LIS, 50% premium-subsidy and 15% copayment '08' = Bene with LIS, 25% premium-subsidy and 15% copayment '09' = No premium-subsidy and no copayment '10' = Not enrolled in Part D, but employer is entitled for RDS subsidy '11' = Bene with creditable coverage but no RDS '12' = Not Part D enrolled. No RDS and no creditable coverage '13' = None of the above conditions have been met</p>
1534	Retiree Drug Subsidy Indicators (Jan. – Dec.) (rdsYY_01- rdsYY_12)	12	Part D Denom	<p>12 monthly 1-byte indicators</p> <p>Indicates for each month of the Denominator reference year, whether the employer should be subsidized for the beneficiary.</p> <p>'0' = Not Medicare enrolled for the month 'X' = Enrolled in Medicare A and/or B, but no MIIR record for the month 'Y' = Employer subsidized for the retired beneficiary 'N' = No employer subsidization for the retired beneficiary</p>

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1546	State Reported Dual Eligible Status Code (Jan. – Dec.) (dualYY_01- dualYY_12)	24	Part D Denom	<p>12 monthly 2-byte indicators</p> <p>Indicates for each month of the Denominator reference year, the dual eligibility status, if any, for the beneficiary.</p> <p>'00' = Not Medicare enrolled for the month 'XX' = Enrolled in Medicare A and/or B, but no MIIR record for the month 'NA' = Non-Medicaid '01' = QMB only '02' = QMB and Medicaid coverage including RX '03' = SLMB only '04' = SLMB and Medicaid coverage including RX '05' = QDWI '06' = Qualifying Individuals '08' = Other Dual Eligibles (Non-QMB, SLMB, QWDI, or QI) w/Medicaid coverage including RX '09' = Other Dual Eligibles but without Medicaid coverage '99' = Unknown</p>
1570	Plan Coverage Months (ptdYY)	2	Part D Denom	<p>Contains the total number of months of Part D plan coverage for the beneficiary.</p> <p>The value in this field will be within the valid range of values '00' through '12', inclusive, dependent on the number of occurrences when the Plan Indicators = H, R, S, or E.</p>
1572	Retiree Drug Subsidy Months (rdscntYY)	2	Part D Denom	<p>Contains the total number of months the employer is entitled to a retiree drug subsidy for the beneficiary.</p> <p>The value in this field will be within the valid range of values '00' through '12', inclusive, dependent on the number of occurrences when the Retiree Drug Subsidy Indicators = Y.</p>

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1574	Medicaid Dual Eligible Months (dualcntYY)	2	Part D Denom	<p>Contains the total numbers of months of dual eligibility for the beneficiary.</p> <p>The value in this field will be within the valid range of values '00' through '12', inclusive, dependent on the number of occurrences when the Medicaid Dual Eligible Indicators not equal to '00', 'XX', 'NA', or '99'.</p>
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1576 filler 1

Repeated Zip Code and Registry Information

Zip Code and Registry (based on state and county) information has been retained from the EDB file for each year from 1986 to 2009.

1897	Zip Codes (zip1986- zip2009)	9	EDB	<p>Zip code is assigned as the last zip code the patient resided in that year.</p> <p>*Special permission required for release.</p>
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1906	Registry Code (registry1986- registry2009)	2	EDB	<p>'01'='San Francisco' '02'='Connecticut' '20'='Detroit' '21'='Hawaii' '22'='Iowa' '23'='New Mexico' '25'='Seattle' '26'='Utah' '27'='Atlanta' '31'='San Jose' '35'='Los Angeles' '37'='Rural Georgia' '41'='Greater California' '42'='Kentucky' '43'='Louisiana' '44'='New Jersey' 'NA'='Has not lived in a registry yet'</p> <p>NOTE: First registry found is retained until patient moved into a new registry.</p>
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1908 Registry Code 2 EDB '01'='San Francisco'
 #2 '02'='Connecticut'
 (reg2cd1986- '20'='Detroit'
 reg2cd2009) '21'='Hawaii'
 '22'='Iowa'
 '23'='New Mexico'
 '25'='Seattle'
 '26'='Utah'
 '27'='Atlanta'
 '31'='San Jose'
 '35'='Los Angeles'
 '37'='Rural Georgia'
 '41'='Greater California'
 '42'='Kentucky'
 '43'='Louisiana'
 '44'='New Jersey'
 'NA'='Other'

NOTE:

Registry is based off the state and county, which is the last residence the patient lived at for that year.

Repeated SEER Cancer Information

A patient can have up to 10 diagnoses in SEER, so the below variables are repeated for each cancer diagnosis the patient has in SEER. If the patient has more than 10 only the first 10 are retained for this file.

In parenthesis you will find the variable names. In italics you will find the SEER variable name.

2235 Sequence 2 SEER Sequence Number-Central describes the
 Number number and sequence of all reportable
 (seq1-seq10) malignant, in situ, benign, and borderline
 (seq_num) 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

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Program. The purpose of sequencing based on the patient's *lifetime* is to truly identify the patients for survival analysis who only had one malignant primary in their lifetimes.

In Situ/Malignant as Federally Required based on Diagnosis Year

00 = One primary only in the patient's lifetime

01 = First of two or more primaries

02 = Second of two or more primaries

..

35 = Thirty-fifth or thirty-five or more primaries

99 = Unspecified or unknown sequence number of Federally required in situ or malignant tumors. Sequence number 99 can be used if there is a malignant tumor and its sequence number is unknown. (if there is known to be more than one malignant tumor, then the tumors must be sequenced.)

Non-malignant Tumor as Federally Required based on Diagnosis Year

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 it's sequence number is unknown. If there is known to be more than one non-malignant tumor, then the tumors must be sequenced.)

'98' = Cervix carcinoma in situ (CIS/CIN III, Diagnosis Years 1996-2002

NOTE: Date of non-malignant tumors will

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				appear out of sequence on the patient's record since the diagnoses are sorted by sequence number. This occurs in a negligible number of cases.
2237	Primary Site (site1-site10) (primsite)	3	SEER	<p>This data item identifies the site in which the primary tumor originated. See the <i>International Classification of Diseases for Oncology</i>, Third Edition (ICD-O-3) for topography codes. The decimal point is eliminated.</p> <p>Cases diagnosed 1977-1991 were coded using the <i>International Classification of Diseases for Oncology</i>, 1976 Edition (ICD-O-1976). Prior to 1977 diagnoses, cases were coded using the <i>Manual of Tumor Nomenclature and Coding</i>, 1968 (MOTNAC).</p> <p>All cases 1973-1991 were machine-converted to ICD-O-2 codes without complete hand review.</p> <p>See attachment for codes</p>
2240	Site Recode ICD-O-3 (siter1- siter10) (siter)	2	SEER	For publications, SEER has defined major site groups based on primary site and ICD-O-3 morphology. See attachment for codes.
2242	Site Recode with Kaposi and Mesothelioma ICD-O-3 (siterkm1- siterkm10) (siterkm)	2	SEER	For publications, SEER has defined major site groups based on primary site and ICD-O-3 morphology including Kaposi Sarcoma and mesothelioma. See attachment for codes. *This variable is used to select patients for data requests.
2244	Site Recode ICD-O-2 (site2r1- site2r10) (site2r)	2	SEER	See attachment for codes.

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2246	Histology ICD- O-3 (hist1-hist10) <i>(hist03v)</i>	4	SEER	<p>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 <i>International Classification of Diseases for Oncology</i>, Third Edition (ICD-O-3) is the standard reference for coding the histology for tumors diagnosed in 2001 and later.</p> <p>All ICD-O-2 histologies for 1973-2000 were converted to ICD-O-3.</p>
2250	Histology ICD- O-2 (1992- 2000) (hist2_1- hist2_10) <i>(hist02v)</i>	4	SEER	<p>NOTE: ALL CASES DIAGNOSED 1973-91 HAVE BEEN CONVERTED TO THE <i>INTERNATIONAL CLASSIFICATION OF DISEASES FOR ONCOLOGY</i>, SECOND EDITION (ICD-O-2, 1992).</p> <p>The SEER program has used several different, but related, coding systems for morphology over time. One should be extremely careful when doing any analysis of trends related to morphology. It is suggested that these analyses start with diagnoses no earlier than 1977 and that special attention be paid to the changes for 1986-91 cases due to the use of the <i>International Classification of Disease for Oncology, Field Trial Edition, March 1988</i> and for 1992+ cases due to the use of ICD-O-2.</p> <p>Analyses of morphology data are usually limited to microscopically confirmed cases only.</p>

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2254	Behavior code ICD-O-3 (beh1-beh10) <i>(beh03v)</i>	1	SEER	<p>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.</p> <p>'0' = Benign (Reportable for intracranial and CNS sites only). Uncertain whether benign or malignant, borderline malignancy, low '1' = 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)</p> <p>All ICD-O-2 behaviors for 1973-2000 were Converted to ICD-O-3.</p>
2255	Behavior code ICD-O-2 (1992-2000) (beh2_1-beh2_10) <i>(beh02v)</i>	1	SEER	<p>Behavior codes are also defined in ICD-O-2, 1992. Note: For bladder only, all in situs (/2) are converted to invasives (/3) before inclusion on this file. Cervix in situ not required after 1995.</p> <p>FOR CASES DIAGNOSED AFTER 2000: All cases diagnosed after 2000 were converted from ICD-O-3 to ICD-O-2.</p>
2256	Behavior recode for analysis (behtrend1-behtrend10) <i>(behtrend)</i>	1	SEER	<p>For more information on the creation of this variable, see link below: http://seer.cancer.gov/behavrecode/index.html</p> <p>'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</p>

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2257	Month of Diagnosis (modx1-modx10) (month_dx)	2	SEER	The month of diagnosis is the month the tumor was first diagnosed by a recognized medical practitioner, whether clinically or microscopically confirmed. '01-'12' = Valid month '14' or '99' = Unknown
2259	Year of Diagnosis (yrdx1-yrdx10) (year_dx)	4	SEER	The year of diagnosis is the year the tumor was first diagnosed by a recognized medical practitioner, whether clinically or microscopically confirmed. 1973-2007 = Valid year *This variable is used to select patients for data requests.
2263	Age at Diagnosis recode (ager1-ager10) (age_rec)	2	SEER	'00' = 00 years '01' = 01-04 years '02' = 05-09 years '03' = 10-14 years '04' = 15-19 years '05' = 20-24 years '06' = 25-29 years '07' = 30-34 years '08' = 35-39 years '09' = 40-44 years '10' = 45-49 years '11' = 50-54 years '12' = 55-59 years '13' = 60-64 years '14' = 65-69 years '15' = 70-74 years '16' = 75-79 years '17' = 80-84 years '18' = 85+ years '99' = Unknown Age

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2265	Type of Reporting Source (src1-src10) <i>(rept_src)</i>	1	SEER	<p>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.</p> <p>‘1’ = Hospital Inpatient; Managed health plans with comprehensive, unified medical records (new code definition effective with diagnosis on or after 1/1/2006)</p> <p>‘2’ = Radiation Treatment Centers or Medical Oncology Centers (hospital-affiliated or independent) (effective with diagnosis on or after 1/1/2006)</p> <p>‘3’ = Laboratory Only (hospital-affiliated or independent)</p> <p>‘4’ = Physician’s Office/Private Medical Practitioner (LMD)</p> <p>‘5’ = Nursing/Convalescent Home/Hospice</p> <p>‘6’ = Autopsy only</p> <p>‘7’ = Death Certificate only</p> <p>‘8’ = Other hospital outpatient units/surgery centers (effective with diagnosis on or after 1/1/2006)</p>
2266	SEER Historic Stage A (hstst1-hstst10) <i>(hst_stga)</i>	1	SEER	<p>This field is produced by collapsing the detailed EOD information collected by SEER. Over time several different EOD schemes have been used. Thus caution should be used when doing trend analyses with this field.</p> <p>For detailed information on staging differences over time, please review the following website: http://www.seer.cancer.gov/seerstat/variables/seer/yr1973_2007/lrd_stage/</p> <p>‘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.</p> <p>‘1’ = Localized – An invasive neoplasm confined entirely to the organ of origin. It may include intraluminal extension where specified. For example for colon,</p>

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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 - Aneoplasm 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.

2267 Filler 2

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2269 SEER 2 SEER '00' = In Situ
 Modified '10' = I
 AJCC Stage '11' = IA
 3rd edition '12' = IB
 (1988-2003) '13' = IC
(aj3sr1- '18' = In Situ & I combined for bladder only
aj3sr10) '19' = I, NOS
(aj_3seer) '20' = II
 '21' = IIA
 '22' = IIB
 '23' = IIC
 '29' = II, NOS
 '30' = III
 '31' = IIIA
 '32' = IIIB
 '33' = IIIC
 '39' = III, NOS
 '40' = IV
 '41' = IVA
 '42' = IVB
 '49' = IV, NOS
 '88' = Recode scheme not yet available
 '90' = Unstaged
 '98' = Not applicable
 '99' = Error Condition
 Coded only for 1988-2003 case with the
 following cancers:
 Colon, Rectum, Lung and Bronchus, Breast,
 Cervix, Corpus uteri, Ovary, Vagina, Vulva,
 Other Female Genitalia, Prostate, Bladder.

For staging criteria, refer to:

http://seer.cancer.gov/manuals/historic/comp_age1.1.pdf

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2271 AJCC Stage 2 SEER '00' = In Situ
 3rd Edition '10' = I
 (1988-2003) '11' = IA
(ajccstg1- '12' = IB
ajccstg10) '13' = IC
 (*ajcc_stg*) '18' = In Situ & I combined for bladder only
 '19' = I, NOS
 '20' = II
 '21' = IIA
 '22' = IIB
 '23' = IIC
 '29' = II, NOS
 '30' = III
 '31' = IIIA
 '32' = IIIB
 '33' = IIIC
 '39' = III, NOS
 '40' = IV
 '41' = IVA
 '42' = IVB
 '49' = IV, NOS
 '88' = Recode scheme not yet available
 '90' = Unstaged
 '98' = Not applicable
 '99' = Error Condition
 Coded only for 1988-2003 case with the
 following cancers:
 Colon, Rectum, Lung and Bronchus, Breast,
 Cervix, Corpus uteri, Ovary, Vagina, Vulva,
 Other Female Genitalia, Prostate, Bladder.

For staging criteria, refer to:

http://seer.cancer.gov/manuals/historic/comp_st_age1.1.pdf

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2273	Derived AJCC T, 6 th edition (2004+) (dajcct1- dajcct10) (<i>dajcct</i>)	2	SEER	This is the AJCC "T" component that is derived from CS coded fields, using the CS algorithm, effective with 2004+ diagnosis. '00' = T0 '01' = Ta '05' = Tis '06' = Tispu (Urethra only) '07' = Tispu (Urethra only) '10' = T1 '11' = T1mic '12' = T1a '13' = T1a1 '14' = T1a2 '15' = T1b '16' = T1b1 '17' = T1b2 '18' = T1c '19' = T1 NOS '20' = T2 '21' = T2a '22' = T2b '23' = T2c '29' = T2 NOS '30' = T3 '31' = T3a '32' = T3b '33' = T3c '39' = T3 NOS '40' = T4 '41' = T4a '42' = T4b '43' = T4c '44' = T4d '49' = T4 NOS '81' = T1bNOS '88' = Not applicable '99' = TX
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2275	Derived AJCC M, 6 th edition (2004+) (dajccm1- dajccm10) (dajccm)	2	SEER	This is the AJCC 'M' component that is derived from CS coded fields, using the CS algorithm, effective with 2004+ diagnosis. '00' = M0 '10' = M1 '11' = M1a '12' = M1b '13' = M1c '19' = M1 NOS '88' = Not applicable '99' = MX
2277	Derived AJCC N, 6 th edition (2004+) (dajccn1- dajccn10) (dajccn)	2	SEER	This is the AJCC 'N' component that is derived From CS coded fields, using the CS algorithm, effective with 2004+ diagnosis. '00' = N0 '01' = N0(i-) '02' = N0(i+) '03' = N0(mol-) '04' = N0(mol+) '09' = N0, NOS '10' = N1 '11' = N1a '12' = N1b '13' = N1c '18' = N1mi '19' = N1 NOS '20' = N2 '21' = N2a '22' = N2b '23' = N2c '29' = N2 NOS '30' = N3 '31' = N3a '32' = N3b '33' = N3c '39' = N3 NOS '88' = Not applicable '99' = NX

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2279	Derived AJCC Stage Group, 6 th edition (2004+) (dajccstg1- dajccstg10) (dajccstg)	2	SEER	'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 '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)
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'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

2281	Derived AJCC-Flag (dajcflg1-dajcflg10) <i>(dajccfl)</i>	1	SEER	<p>Flag to indicate whether the derived AJCC stage was derived from CS or EOD codes.</p> <p>'1' = AJCC Sixth Edition derived from Collaborative Staging Manual and Coding Instructions, Version 1.0</p> <p>'2' = AJCC sixth Edition derived from EOD (prior to 2004)</p> <p>Blank = Not derived</p>
2282	Derived SS1977 (2004+) (dss77s1-dss77s10) <i>(dss1977s)</i>	1	SEER	<p>This item is the derived "SEER Summary Stage 1977" from the CS algorithm, effective with 2004+ diagnosis.</p> <p>'0' = In Situ</p> <p>'1' = Localized</p> <p>'2' = Regional direct extension</p> <p>'3' = Regional, lymph nodes only</p> <p>'4' = Regional, extension and nodes</p> <p>'5' = Regional, NOS</p> <p>'7' = Distant</p> <p>'8' = Not applicable</p> <p>'9' = Unknown/Unstaged</p>
2283	Derived SS1977 - Flag (dss77f1-dss77f10) <i>(dss1977f)</i>	1	SEER	<p>Flag to indicate whether the derived SEER Summary Stage 1977 was derived from CS or EOD codes.</p> <p>'1' = SS1977 derived from Collaborative Staging Manual and Coding Instructions, Version 1.0</p> <p>'2' = SS1977 derived from EOD (prior to 2004)</p> <p>Blank = Not derived</p>

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2284	Derived SS2000 (2004+) (dss00s1-dss00s10) (<i>dss2000s</i>)	1	SEER	This item is the derived "SEER Summary Stage 2000" from the CS algorithm, effective with 2004+ diagnosis '0' = In Situ '1' = Localized '2' = Regional direct extension '3' = Regional, lymph nodes only '4' = Regional, extension and nodes '5' = Regional, NOS '7' = Distant '8' = Not applicable '9' = Unknown/Unstaged
2285	Derived SS2000 – Flag (dss00f1-dss00f10) (<i>dss2000f</i>)	1	SEER	Flag to indicate whether the derived SEER Summary Stage 2000 was derived from CS or EOD codes. '1' = SS2000 derived from Collaborative Staging Manual and Coding Instructions, Version 1.0 '2' = SS2000 derived from EOD (prior to 2004) Blank = Not derived
2286	SEER Summary Stage 1977 (1995-2000) (sss77v1-sss77v10) (<i>sss77vz</i>)	1	SEER	Coded only for 1995-2000 cases. For more detail regarding site-specific staging exceptions, please review the following website: http://www.seer.cancer.gov/seerstat/variables/ '0' = In Situ '1' = Localized only '2' = Regional by direct extension only '3' = Regional lymph nodes involved only '4' = Regional by both direct extension and lymph '5' = Regional, NOS '7' = Distant site(s)/node(s) involved '8' = Localized/Regional – Only used for Prostate cases '9' = Unknown/Unstaged/unspecified DCO

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2287	SEER summary stage 2000 (2001-2003) (sssm2Z1-sssm2Z10) (<i>sssm2kpz</i>)	1	SEER	Coded only for 2001-2003 cases. '0' = In Situ '1' = Localized only '2' = Regional by direct extension only '3' = Regional lymph nodes involved only '4' = Regional by both direct extension and lymph '5' = Regional, NOS '7' = Distant site(s)/node(s) involved '9' = Unknown/Unstaged/unspecified DCO
2288	Derived AJCC T Descriptor (2004+) (t_dscrpt1-t_dscrpt10) (<i>t_dscrpt</i>)	1	SEER	'0' = Clinical stage '1' = Pathologic stage '2' = Autopsy stage '3' = Surgical resection performed, tumor size/extension based on '5' = Not Applicable
2289	Derived AJCC N Descriptor (2004+) (n_dscrpt1-n_dscrpt10) (<i>n_dscrpt</i>)	1	SEER	'0' = Clinical stage '1' = Pathologic stage '2' = Autopsy stage '3' = Lymph nodes removed, evaluation based on pathologic evidence '5' = Not Applicable
2290	Derived AJCC M Descriptor (2004+) (m_dscrpt1-m_dscrpt10) (<i>m_dscrpt</i>)	1	SEER	'0' = Clinical stage '1' = Pathologic stage '2' = Autopsy stage '3' = Pathologic examination, extension based on pathologic evidence '5' = Not Applicable
2291	Summary Stage 2000 (1998+) (summ2k1-summ2k10) (<i>summ2k</i>)	1	SEER	Taken from Collaborative Stages (CS) for 2004+ and extent of disease (EOD) prior to that. Used in most SEER publications. For more information, see http://seer.cancer.gov/seerstat/variables/seer/yr1973_2007/lrd_stage '0' = In situ '1' = Localized '2' = Regional '7' = Distant '9' = Unknown/Unstaged

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2294	First Malignant Primary Indicator (frstprm1-frstprm10) <i>(firstprm)</i>	1	SEER	Based on all the tumors in SEER. Tumors not reported to SEER are assumed malignant. '0' = No '1' = Yes
2295	Multiple primary indicator (multprim1-multprim10) <i>(multprim)</i>	1	SEER	'0' = First in situ, no malignants '1' = First malignant '9' = Second or subsequent
2296	Marital Status at Diagnosis (marst1-marst10) <i>(mar_stat)</i>	1	SEER	This data item identifies the patient's marital status at the time of diagnosis for the reportable tumor. '1' = Single (never married) '2' = Married (including common law) '3' = Separated '4' = Divorced '5' = Widowed '9' = Unknown
2297	SEER Registry Code at Diagnosis (reg1-reg10) <i>(registry)</i>	2	SEER	'01' = San Francisco (1973+) '02' = Connecticut (1973+) '20' = Detroit (1973+) '21' = Hawaii (1973+) '22' = Iowa (1973+) '23' = New Mexico (1973+) '25' = Seattle (1974+) '26' = Utah (1973+) '27' = Atlanta (1975+) '31' = San Jose (1988+) '35' = Los Angeles (1988+) '37' = Rural Georgia (1992+) '41' = Greater California (2000+) '42' = Kentucky (2000+) '43' = Louisiana (2000+) '44' = New Jersey (2000+)
2299	Month Therapy Started (monrx1-monrx10) <i>(monthrx)</i>	2	SEER	Month of Therapy '00' = No Therapy '01'-'12' = Valid month '14' = Unknown

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2301	Year Therapy Started (yearrx1-yearrx10) (year_rx)	4	SEER	Year of Therapy 9999 – Unknown
2305	Radiation (rad1-rad10) (radiatn)	1	SEER	This data item indicates the method of radiation therapy performed as part of the first course of treatment. '0' = None; 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 '9' = Unknown if radiation administered
2312	Other Therapy (other_tx1-other_tx10) (othr_rx)	1	SEER	'00' = No other cancer-directed therapy '01' = Other cancer-directed therapy '02' = Other experimental cancer-directed therapy '03' = Double blind study, code not yet broken '06' = Unproven therapy (including Laetrile, Krebiozen, etc) '07' = Refused therapy 1-3 above '08' = Recommended, unknown if administered '09' = Unknown

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2313	Radiation sequence with surgery (radsurg1-radsurg10) <i>(rad_surg)</i>	1	SEER	<p>This field records the order in which surgery and radiation therapies were administered for those patients who had both surgery and radiation.</p> <p>'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 therapy '6' = Intraoperative radiation with other radiation given before or after surgery '9' = Sequence unknown, but both surgery and radiation were given</p>
2314	Radiation to Brain and /or CNS (radbrn1-radbrn10) <i>(rad_brn)</i>	1	SEER	<p>This variable was only collected for years 1988-1997 for lung and leukemia cases only. This data item codes for radiation given to the brain or central nervous system at all facilities as part of the first course of therapy.</p> <p>'0' = None '1' = Radiation '7' = Refused '8' = Recommended, unknown if administered '9' = Unknown</p>

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2315	Reason no cancer-directed surgery (nosrg1-nosrg10) (no_surg)	1	SEER	<p>This data item documents the reason that surgery was not performed on the primary site.</p> <p>'0' = Surgery performed</p> <p><u>No surgery</u> '1' *= Surgery not recommended '2' *= Contraindicated due to other conditions; Autopsy Only case '5' = Patient died before recommended surgery '6' = Unknown reason for no surgery '7' *= Patient or patient's guardian refused</p> <p><u>Unknown if surgery performed</u> '8' = Recommended, unknown if done '9' = Unknown if surgery performed; Death Certificate Only case</p> <p>* Codes not used prior to 1988. Code '2' used only for Autopsy Only cases prior to 1988.</p>
2316	Grade (grade1-grade10) (grade)	1	SEER	<p>Grading and differentiation codes of 1-4, 9 are defined in ICD-O-2; 1992. Grade information may be incomplete for cases diagnosed before 1977.</p> <p>In the early 1980's, additional codes specifying T-cell, B-cell, or null cell involvement in lymphomas and leukemias (histologies M9590-9940) were introduced by SEER. Because the reporting requirements and medical terminology have changed over time, care should be exercised when analyzing this information.</p> <p>'1' = Well differentiated; differentiated, NOS '2' = Moderately differentiated; intermediate Differentiation '3' = Poorly differentiated; differentiated '4' = undifferentiated; anaplastic '5' = T-cell; T-precursor '6' = B-cell; Pre-B;B-precursor '7' = Null cell; Non T-non B; '8' = N K cell (natural killer cell) '9' = Cell type not determined, not stated or not Applicable</p>

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2317	Diagnostic Confirmation (dxconf1-dxconf10) <i>(dx_conf)</i>	1	SEER	<p>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.</p> <p><u>Microscopically Confirmed</u></p> <p>'1' = Positive histology '2' = Positive exfoliative cytology, no positive histology '4' = Positive microscopic confirmation, method not specified</p> <p><u>Not Microscopically Confirmed</u></p> <p>'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)</p> <p><u>Confirmation Unknown</u></p> <p>'9' = Unknown whether microscopically confirmed; death certificate only</p>
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2318	Laterality (lat1-lat10) <i>(lateral)</i>	1	SEER	<p>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.</p> <p>See http://seer.cancer.gov/manuals/primsite.laterality.pdf for a list of sites for which SEER requires information on laterality.</p> <p>'0' = Not a paired site '1' = Right; origin of primary '2' = Left, origin of primary '3' = Only one side involved, right or left origin unspecified '4' = Bilateral involvement, lateral origin unknown; stated to be single primary. <ul style="list-style-type: none"> • Both ovaries involved simultaneously, single histology. • Bilateral retinoblastomas • Bilateral Wilm's tumors '5' = Paired site: midline tumor '9' = Paired site, but no information concerning laterality</p>
2319	Site Specific Surgery (1983 – 1997) (ssurg1- ssurg10) <i>(ss_surg)</i>	2	SEER	<p>The actual coding schemes for individual sites and time periods can be viewed at http://www.seer.cancer.gov/manuals/historic/AppendD.pdf The discussion below summarizes the information available by site and time period.</p> <p>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.</p>

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2321	Surgery of primary Site (1998-2002) (sxprim1-sxprim10) <i>(surgprim)</i>	2	SEER	<p>Site-specific codes for the type of surgery to the primary site performed as part of the first course of treatment at all facilities for cases diagnosed 1998-2002.</p> <p>00-99 Refer to SEER web site http://www.seer.cancer.gov/manuals/historic/AppendC.pdf for a list of valid codes.</p>
2323	Number of regional lymph nd exam (1998-2002) (numnd1-numnd10) <i>(numnodes)</i>	2	SEER	<p>00-99</p> <p>'00' = No regional lymph nodes examined</p> <p>'01' = One regional lymph node examined</p> <p>'02' = Two regional lymph nodes examined</p> <p>...</p> <p>'90' = Ninety or more regional lymph nodes examined</p> <p>'95' = No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed</p> <p>'96' = Regional lymph node removal documented as a sampling and number of lymph nodes examined unknown/not stated</p> <p>'97' = Regional lymph node removal documented as dissection and number of lymph nodes examined unknown/not stated</p> <p>'98' = Regional lymph nodes surgically removed but number of lymph nodes examined unknown/not stated and not documented as sampling or dissection</p> <p>'99' = Unknown; not stated; death certificate only</p>

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2325	Scope of regional lymph node surgery (1998-2002) (sxscop1-sxscop10) <i>(surgscop)</i>	1	SEER	<p>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.</p> <p>0-9 Refer to SEER web site http://www.seer.cancer.gov/manuals/historic/AppendC.pdf/ for a list of valid codes.</p> <p>'0' = No regional lymph nodes removed '1' = Regional lymph node(s) removed, NOS ... '9' = Unknown; not stated; death certificate only</p>
2326	Surgery of other reg/dist sites (1998-2002) (sxsite1-sxsite10) <i>(surgsite)</i>	1	SEER	<p>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.</p> <p>0-9 Refer to SEER web site http://www.seer.cancer.gov/manuals/historic/AppendC.pdf/ for a list of valid codes.</p>
2327	First course of reconstruction (1998-2002) (recstr1-recstr10) <i>(reconstr)</i>	1	SEER	<p>'0' = No Reconstruction '1' = Reconstruction, NOS '2' = Implant; reconstruction without flap '3' = Reconstruction with flap, NOS '4' = Latissimus dorsi flap '5' = Abdominus recti flap '6' = Flap, NOS plus implant '7' = Latissimus dorsi flap plus implant '8' = Abdominus recti flap plus implant '9' = Unknown</p>

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2328	RX Summ – Surgery of Primary Site (1998+) (sxprif1-sxprif10) <i>(surgprif)</i>	2	SEER	<p>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.</p> <p>See Appendix C of the SEER Program Coding and Staging Manual 2004, Revision 1 at http://seer.cancer.gov/tools/codingmanuals/historical.html See for detailed codes and coding instructions.</p> <p>‘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</p> <p>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.</p>
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2330	RX –Summ Scope Reg LN Sur (2003+) (sxscof1- sxscof10) (<i>surgscof</i>)	1	SEER	<p>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.</p> <p>'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</p>
2331	RX Summ--Surg Oth Reg/Dis (2003+): (sxsitf1-sxsitf10) (<i>surgsitf</i>)	1	SEER	<p>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.</p> <p>'0' = None; diagnosed at autopsy '1' = Non-primary surgical procedure performed '2' = Non-primary surgical procedure to other regional sites '3' = Non-primary surgical procedure to distant lymph node(s) '4' = Non-primary surgical procedure to distant site '5' = Combination of codes 2, 3 or 4 '9' = Unknown; death certificate only</p>

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2332 Tumor Marker 1 1 SEER This data time records prognostic indicators for breast cases (ERA 1990-2003), prostate cases (PAP 1998-2003) and testis cases (AFP 1998-2003).
 (1990-2003)
**(tumor1_1-
 tumor1_10)**
(tumor_1v)

'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

For Testicular Cancer Cases (AFP 1998-2003)

'0' = None Done (SX)
 '2' = Within normal limits (SO)
 '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

For all other cases

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

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2333 Tumor Marker 2 1 SEER This data item records prognostic indicators for breast cases (PRA 1990-2003), prostate cases (PSA 1998-2003), and testis cases (hCG 1998-2003).
 (1990-2003)
(tumor2_1-
tumor2_10)
 (tumor_2v)

'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

For Testicular Cancer Cases (hCG 1998-2003)

'0' = None Done (SX)
 '2' = Within normal limits (SO)
 '4' = Range 1 (S1) < 5,000 mIU/ml
 '5' = Range 2 (S2) 5,000 – 50,000 mIU/ml
 '6' = Range 3 (S3) > 50,000 mIU/ml
 '8' = Ordered, but results not in chart
 '9' = Unknown or no information

For all other cases

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

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2334	Tumor Marker 3 (1998-2003) (tumor3_1- tumor3_10) (<i>tumor_3v</i>)	1	SEER	<p>This data item records prognostic indicators for testis cases (LDH 1998-2003)</p> <p>'0' = None Done (SX) '2' = Within normal limits (SO) '4' = Range 1 (S1) < 1.5 x upper limit of normal for LDH assay '5' = Range 2 (S2) 1.5 – 10x 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</p> <p>All sites except testis diagnosed 1998-2003 are coded 9. All diagnoses before 1998 are coded 9. All diagnoses after 2003 are blank.</p> <p>For Testis cases diagnosed 2004+, this information is collected using CS Site-Specific Factor 3 (NAACCR Item #2900).</p>
2335	EOD 4 –size (1983-1987) (e4siz1-e4siz10) (<i>eod4_siz</i>)	2	SEER	<p>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</p>
2337	EOD 4 – extent (1983-1987) (e4ext1-e4ext10) (<i>eod4_ext</i>)	1	SEER	<p>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</p>
2338	EOD 4 – nodes (1983-1987) (e4nod1- e4nod10) (<i>eod4_nod</i>)	1	SEER	<p>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</p>

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2339	EOD 10 - Tumor Size (1988-2003) (e10sz1-e10sz10) (eod10_sz)	3	SEER	<p>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.</p> <p>This field is only coded for cases diagnosed 1988-2003. See <i>SEER Extent of Disease, 1988: Codes and Coding Instructions</i>, Third Edition for site-specific codes and coding rules, at: http://seer.cancer.gov/manuals/EOD10Dig.pub.pdf</p>
2342	EOD 10 – Tumor Extent (1988-2003) (e10ex1-e10ex10) (eod10_ex)	2	SEER	<p>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.</p> <p>This field is only coded for cases diagnosed 1988-2003. See <i>SEER Extent of Disease, 1988: Codes and Coding Instructions</i>, Third Edition for site-specific codes and coding rules, at: http://seer.cancer.gov/manuals/EOD10Dig.pub.pdf</p>
2344	EOD 10 - Nodes (1988-2003) (e10nd1-e10nd10) (eod10_nd)	1	SEER	<p>This item records the highest specific lymph node chain that is involved by the tumor. Allowable values = 0-9.</p> <p>This field is only coded for cases diagnosed 1988-2003. See <i>SEER Extent of Disease, 1988: Codes and Coding Instructions</i>, Third Edition for site-specific codes and coding rules, at: http://seer.cancer.gov/manuals/EOD10Dig.pub.pdf</p>

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2345	EOD 10 - # positive Nodes (1988+) (e10pn1- e10pn10) (eod10_pn)	2	SEER	<p>Records the exact number of regional lymph nodes examined by the pathologist that were found to contain metastases.</p> <p>'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</p>
2347	EOD 10 - # Nodes Examined (1988+) (e10ne1-e10ne10) (eod10_ne)	2	SEER	<p>Records the total number of regional lymph nodes that were removed and examined by the pathologist.</p> <p>'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 node(s) was performed '96' = Regional lymph node removal was documented as a sampling, and 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 '99' = Unknown whether nodes were examined; not applicable or negative; not stated in patient record</p>

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2349	EOD 10 – Prostate pathology ext (1995-2003) (e10pe1-e10pe10) (eod10_pe)	2	SEER	<p>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.</p> <p>This field is only coded for prostate cases diagnosed 1995-2003. See <i>SEER Extent of Disease, 1988: Codes and Coding Instructions</i>, Third Edition for site-specific codes and coding rules, at: http://seer.cancer.gov/manuals/EOD10Dig.pub.pdf</p>
2351	Coding system – extent of disease (1973-2003) (eod_cd1-eod_cd10) (eod_code)	1	SEER	<p>Indicates the type of SEER EOD code applied to the tumor.</p> <p>'0' = 2 – Digit Nonspecific Extent of Disease (1973-1982) '1' = 2 – Digit Site Specific Extent of Disease (1973-1982) '2' = 13 – Digit (expanded) Site Specific Extent of Disease (1973-1982) '3' = 4 – Digit Extent of Disease (1983-1987) '4' = 10- Digit Extent of Disease, 1988 (1988-2003) Blank = EOD coding scheme not applicable for cases diagnosed 2004+</p>
2352	County at Diagnosis (cnty1-cnty10) (county)	3	SEER	FIPS County Code
2355	CS Extension (2004+) (csex1-csex10) (csexten)	3	SEER	<p>Identifies contiguous growth (extension) of the primary tumor within the organ of origin or its direct extension into neighboring organs. For certain sites such as ovary, discontinuous metastasis is coded in the CS Extension field. This item is effective for cases diagnosed 2004+.</p> <p>See Appendix C at: http://seer.cancer.gov/manuals/2010/appendix.html for detailed codes and coding instructions.</p>

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2358	CS Lymph Nodes (2004+) (cslym1-cslym10) (<i>cslymphn</i>)	3	SEER	Identifies the regional lymph nodes involved with cancer at the time of diagnosis. This item is effective for cases diagnosed 2004+. See Appendix C at: http://seer.cancer.gov/manuals/2010/appendix.html for detailed codes and coding instructions.
2361	CS Mets at Dx (2004+) (csmet1-csmet10) (<i>csmetsdx</i>)	2	SEER	Identifies the distant site(s) of metastatic involvement at time of diagnosis. This item is effective for cases diagnosed 2004+. See Appendix C at: http://seer.cancer.gov/manuals/2010/appendix.html for detailed codes and coding instructions.
2363	CS Schema (cssch1-cssch10) (<i>csschema</i>)	2	SEER	This data item groups primary site and ICD-O-3 histology into the Collaborative Stage Schema. See attachment for codes
2365	CS Site-Specific Factor 1 (2004+) (cs1st1-cs1st10) (<i>cs1site</i>)	3	SEER	Identifies additional information needed to generate stage, or prognostic factors that have an effect on stage or survival. Site/Histology-specific codes are used in addition to the general coding format below. This item is effective for cases diagnosed 2004+. See Appendix C at: http://seer.cancer.gov/manuals/2010/appendix.html for detailed codes and coding instructions.
2368	CS Site-Specific Factor 2 (2004+) (cs2st1-cs2st10) (<i>cs2site</i>)	3	SEER	Identifies additional information needed to generate stage, or prognostic factors that have an effect on stage or survival. Site/Histology-specific codes are used in addition to the general coding format below. This item is effective for cases diagnosed 2004+. See Appendix C at: http://seer.cancer.gov/manuals/2010/appendix.html for detailed codes and coding instructions.

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2371	CS Site-Specific Factor 3 (2004+) (cs3st1-cs3st10) (cs3site)	3	SEER	<p>Identifies additional information needed to generate stage, or prognostic factors that have an effect on stage or survival. Site/Histology-specific codes are used in addition to the general coding format below. This item is effective for cases diagnosed 2004+.</p> <p>See Appendix C at: http://seer.cancer.gov/manuals/2010/appendix.html for detailed codes and coding instructions.</p>
2374	CS Site-Specific Factor 4 (2004+) (cs4st1-cs4st10) (cs4site)	3	SEER	<p>Identifies additional information needed to generate stage, or prognostic factors that have an effect on stage or survival. Site/Histology-specific codes are used in addition to the general coding format below. This item is effective for cases diagnosed 2004+.</p> <p>See Appendix C at: http://seer.cancer.gov/manuals/2010/appendix.html for detailed codes and coding instructions.</p>
2377	CS Site-Specific Factor 5 (2004+) (cs5st1-cs5st10) (cs5site)	3	SEER	<p>Identifies additional information needed to generate stage, or prognostic factors that have an effect on stage or survival. Site/Histology-specific codes are used in addition to the general coding format below. This item is effective for cases diagnosed 2004+.</p> <p>See Appendix C at: http://seer.cancer.gov/manuals/2010/appendix.html for detailed codes and coding instructions.</p>

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2380	CS Site-Specific Factor 6 (2004+) (cs6st1-cs6st10) <i>(cs6site)</i>	3	SEER	<p>Identifies additional information needed to generate stage, or prognostic factors that have an effect on stage or survival. Site/Histology-specific codes are used in addition to the general coding format below. This item is effective for cases diagnosed 2004+.</p> <p>See Appendix C at: http://seer.cancer.gov/manuals/2010/appendix.html for detailed codes and coding instructions.</p>
2383	CS Tumor Size (2004+) (cstum1-cstum10) <i>(cstumsiz)</i>	3	SEER	<p>Records the largest dimension or diameter of the primary tumor, and is always recorded in millimeters. To convert centimeters to millimeters, multiply the dimension by 10. This item is effective for cases diagnosed 2004+.</p> <p>'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.</p> <p>'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' = Described as greater than 5 cm '999' = Unknown; size not stated; not stated in patient record</p> <p>See Appendix C at: http://seer.cancer.gov/manuals/2010/appendix.html for detailed codes and coding instructions.</p> <p>Examples: Mammogram shows 2.5cm breast malignancy Code as 025(2.5cm = 25 mm) CT of chest shows 4 cm mass in RUL Code as 040 (4 cm = 40 mm)</p>

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2386	CS Version 1 st (2004+) (csvf1-csvf10) (<i>csvfirst</i>)	2	SEER	<p>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.</p> <p>'00' = 000937 '01' = 010000 '02' = 010002 '03' = 010003 '04' = 010004 '05' = 010005 '06' = 010020 '07' = 010050 '08' = 010100 '09' = 010101 '10' = 010102 '11' = 010103 '12' = 010120 '13' = 010200 '14' = 010201 '15' = 010300 '16' = 010301 '17' = 010400 '18' = 010401 '19' = 020001 '20' = 020010 '21' = 020100 '22' = 020200</p>
2388	CS Version Latest (2004+) (csvl1-csvl10) (<i>csvlates</i>)	2	SEER	<p>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.</p> <p>'17' = 020100 '18' = 020200</p>

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2390	Histology recode – 2 Brain groupings (hisrcb1- hisrcb10) <i>(histrecb)</i>	SEER	<ul style="list-style-type: none"> '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 and malignant neuronal/glial, neuronal and 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
2392	ICD-O coding scheme (icdo1-icdo10) <i>(icdover)</i>	SEER	<ul style="list-style-type: none"> '2' = Originally coded in ICD-O-2, (1973-2000) '3' = Originally coded in ICD-O-3, (2001+)

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2393	NAPIIA Derived API Race (napiia1- napiia10) <i>(napiia)</i>	2	SEER	<p>The NAACCR Asian Pacific Islander Identification Algorithm version 1 (NAPIIA v1) uses a combination of NAACCR variables to classify cases directly or indirectly as Asian Pacific Islander for analytic purposes. This version of the algorithm is focused on coding cases with a race code of Asian NOS (race code 96) to a more specific Asian race category, using the birthplace and name fields (first, last, and maiden names). Birthplace can be used to indirectly assign a specific race to one of eight Asian race groups (Chinese, Japanese, Vietnamese, Korean, Asian Indian, Filipino, Thai, and Cambodian). Names can be used to indirectly assign a specific race to one of seven Asian groups (Chinese, Japanese, Vietnamese, Korean, Asian Indian, Filipino, and Hmong). Future versions of NAPIIA will incorporate Pacific Islanders and will potentially incorporate name lists for Thai, Cambodian, and Laotians.</p> <p>Codes are the same as for Race/Ethnicity. Blanks are also in field and mean "Algorithm not run".</p>
2395	AYA site recode (ayasiter1- ayasiter10) <i>(ayasiter)</i>	2	SEER	<p>Adapted classification schema for tumors of adolescents and young adults. For more information, see http://seer.cancer.gov/ayarecode</p> <p>See attachment for codes</p>
2397	Lymphoma subtype recode (lymsubr1- lymsubr10) <i>(lymsubr)</i>	2	SEER	<p>A detailed categorization of lymphoma subtypes. For more information, see http://seer.cancer.gov/lymphomarecode</p> <p>See attachment for codes</p>

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2399	Ambiguous Terminology DX (2007+) (ambig_dx1-ambig_dx10) (ambig_dx)	1	SEER	<p>This data item identifies all cases, including DCO and autopsy-only cases that are accessioned based only on ambiguous terminology. Registrars are required to collect cases with ambiguous terminology and it is advantageous to be able to identify those cases in the database.</p> <p>'0' = Conclusive terminology '1' = Ambiguous terminology only '2' = Ambiguous terminology followed by conclusive terminology '9' = Unknown terminology</p>
2401	SEER cause-specific death classification (vsrtdx1-vsrt dx10) (vsrtsadx)	1	SEER	<p>The variable seeks to determine whether a patient died from their cancer using site, sequence number and cause of death. Patients who died of something determined to be unrelated are treated as if they were alive. It was designed specifically to be used as the determinant of cause-specific survival analysis.</p> <p>For more information, see http://seer.cancer.gov/causespecific</p> <p>'0' = Alive or dead of other cause '1' = Dead '9' = N/A not first tumor</p>
2402	Mult Tum Rpt as One Prim (2007+) (mltasone1-mltasone10) (mltasone)	2	SEER	<p>This data item is used to identify the type of multiple tumors that are abstracted as a single primary.</p> <p>'00' = Single tumor '10' = Multiple benign '11' = Multiple borderline '12' = Benign and borderline '20' = Multiple in situ '30' = In situ and invasive '31' = Polyp and adenocarcinoma '32' = FAP with carcinoma '40' = Multiple invasive '80' = Unknown in situ or invasive '88' = NA '99' = Unknown</p>

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2404	Multiplicity Counter (2007+) (mltcount1-mltcount10) <i>(mltcount)</i>	2	SEER	This data item is used to count the number of tumors (multiplicity) reported as a single primary. '01' = One tumor only '02' = Two tumors present '03' = Three tumors present '88' = Information on multiple tumors not collected/not applicable for this site '99' = Unknown if multiple tumors/not documented
2406	Primary Payer at DX (payer_dx1-payer_dx10) <i>(payerdx)</i>	2	SEER	Primary Payer at Diagnosis identifies the patient's primary insurance carrier or method of payment at the time of initial diagnosis and/or treatment. '01' = Not insured '02' = Not insured, self pay '10' = Insurance, NOS '20' = Private Insurance: Managed care, HMO, or PPO '21' = Private Insurance: Fee-for-Service '31' = Medicaid '35' = Medicaid - Administered through a Managed Care plan '60' = Medicare/Medicare, NOS '61' = Medicare with supplement, NOS '62' = Medicare - Administered through a Managed Care plan '63' = Medicare with private supplement '64' = Medicare with Medicaid eligibility '65' = TRICARE '66' = Military '67' = Veterans Affairs '68' = Indian/Public Health Service '99' = Insurance status unknown

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SITE RECODE DEFINITIONS (SITER1-SITER10, SITE2r1-SITE2r10, SITERKM1-SITERKM10)

1-10 = 'Oral cavity and pharynx'

01 = ' Lip'

02 = ' Tongue'

03 = ' Salivary gland'

04 = ' Floor of mouth'

05 = ' Gum & other mouth'

06 = ' Nasopharynx'

07 = ' Tonsil'

08 = ' Oropharynx'

09 = ' Hypopharynx'

10 = ' Other oral cavity and pharynx'

11-13,15-23,25-27,29-36 = 'Digestive system'

11 = ' Esophagus'

12 = ' Stomach'

13 = ' Small intestine'

15-23 = ' Colon exc. rectum'

15 = ' Cecum'

16 = ' Appendix'

17 = ' Ascending colon'

18 = ' Hepatic flexure'

19 = ' Transverse colon'

20 = ' Splenic flexure'

21 = ' Descending colon'

22 = ' Sigmoid colon'

23 = ' Large intestine, NOS'

25-26 = ' Rectum & rectosigmoid'

25 = ' Rectosigmoid junction'

26 = ' Rectum'

27 = ' Anus, anal canal & anorectum'

29-30 = ' Liver & Intrahepatic bile duct'

29 = ' Liver'

30 = ' Intrahepatic bile duct'

31 = ' Gallbladder'

32 = ' Other biliary'

33 = ' Pancreas'

34 = ' Retroperitoneum'

35 = ' Peritoneum, omentum & mesentery'

36 = ' Other digestive organs'

37-41 = 'Respiratory system'

37 = ' Nose, nasal cavity, middle ear'

38 = ' Larynx'

39 = ' Lung and bronchus'

40 = ' Pleura'

41 = ' Trachea, Mediastinum & Other respiratory organs'

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- 42 = 'Bones & joints'
- 43 = 'Soft tissue (including heart)'
- 44-45 = 'Skin (excluding basal and squamous)'
- 44 = ' Melanomas -- skin'
- 45 = ' Other non-epithelial skin'
- 46 = 'Breast'
- 47-53 = 'Female genital system'
- 47 = ' Cervix'
- 48 = ' Corpus'
- 49 = ' Uterus, NOS'
- 50 = ' Ovary'
- 51 = ' Vagina'
- 52 = ' Vulva'
- 53 = ' Other female genital organs'
- 54-57 = 'Male genital system'
- 54 = ' Prostate'
- 55 = ' Testis'
- 56 = ' Penis'
- 57 = ' Other male genital organs'
- 58-61 = 'Urinary system'
- 58 = ' Bladder'
- 59 = ' Kidney and Renal pelvis'
- 60 = ' Ureter'
- 61 = ' Other urinary organs'
- 62 = 'Eye & orbit'
- 63-64 = 'Brain and other nervous system'
- 63 = ' Brain'
- 64 = ' Cranial nerves Other nervous system'
- 65-66 = 'Endocrine system'
- 65 = ' Thyroid'
- 66 = ' Other endocrine (including thymus)'
- 68-69,71-72 = 'Lymphomas'
- 68-69 = ' Hodgkin"s Disease'
- 68 = ' Nodal'
- 69 = ' Extranodal'
- 71-72 = ' Non-Hodgkin"s lymphomas'
- 71 = ' Non-Hodgkin"s lymphomas - nodal'
- 72 = ' Non-Hodgkin"s lymphs-extranodal'
- 73 = 'Multiple myeloma'
- 74-78,80,83,85,89 = 'Leukemias'
- 74-76 = ' Lymphocytic'
- 74 = ' Acute lymphocytic'
- 75 = ' Chronic lymphocytic'
- 76 = ' Other lymphocytic'
- 77-78,80,89 = ' Myeloid'

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- 77 = ' Acute myeloid'
- 78 = ' Chronic myeloid'
- 80 = 'Acute monocytic leukemia'
- 83,85 = ' Other'
- 83 = ' Other acute leukemia'
- 85 = ' Aleukemic,subleukemic, and NOS'
- 86 = 'Miscellaneous'
- 89 = 'Other myeloid/monocytic leukemia'
- 87 = 'Mesothelioma' (for siterkm1-siterkm10, only)
- 88 = 'Kaposi Sarcoma' (for siterkm1-siterkm10, only)

Codes for the variable CODPUB

- 000 = "Alive"
- 001 = "Lip"
- 002 = "Tongue"
- 003 = "Salivary Gland"
- 004 = "Floor of Mouth"
- 005 = "Gum and Other Mouth"
- 006 = "Nasopharynx"
- 007 = "Tonsil"
- 008 = "Oropharynx"
- 009 = "Hypopharynx"
- 010 = "Other Oral Cavity and Pharynx"
- 011 = "Esophagus"
- 012 = "Stomach"
- 013 = "Small Intestine"
- 014 = "Colon excluding Rectum"
- 024 = "Rectum and Rectosigmoid Junction"
- 027 = "Anus, Anal Canal and Anorectum"
- 029 = "Liver"
- 030 = "Intrahepatic Bile Duct"
- 031 = "Gallbladder"
- 032 = "Other Biliary"
- 033 = "Pancreas"
- 034 = "Retroperitoneum"
- 035 = "Peritoneum, Omentum and Mesentery"
- 036 = "Other Digestive Organs"
- 037 = "Nose, Nasal Cavity and Middle Ear"
- 038 = "Larynx"
- 039 = "Lung and Bronchus"
- 040 = "Pleura"
- 041 = "Trachea, Mediastinum and Other Respiratory Organs"
- 042 = "Bones and Joints"
- 043 = "Soft Tissue including Heart"

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044 = "Melanoma of the Skin"
045 = "Other Non-Epithelial Skin"
046 = "Breast"
047 = "Cervix Uteri"
048 = "Corpus Uteri"
049 = "Uterus, NOS"
050 = "Ovary"
051 = "Vagina"
052 = "Vulva"
053 = "Other Female Genital Organs"
054 = "Prostate"
055 = "Testis"
056 = "Penis"
057 = "Other Male Genital Organs"
058 = "Urinary Bladder"
059 = "Kidney and Renal Pelvis"
060 = "Ureter"
061 = "Other Urinary Organs"
062 = "Eye and Orbit"
090 = "Brain and Other Nervous System"
065 = "Thyroid"
066 = "Other Endocrine including Thymus"
067 = "Hodgkin Lymphoma"
070 = "Non-Hodgkin Lymphoma"
073 = "Myeloma"
074 = "Acute Lymphocytic Leukemia"
075 = "Chronic Lymphocytic Leukemia"
076 = "Other Lymphocytic Leukemia"
077 = "Acute Myeloid Leukemia"
080 = "Acute Monocytic Leukemia"
078 = "Chronic Myeloid Leukemia"
089 = "Other Myeloid/Monocytic Leukemia"
083 = "Other Acute Leukemia"
085 = "Aleukemic, Subleukemic and NOS"
086 = "Miscellaneous Malignant Cancer"
130 = "In situ, benign or unknown behavior neoplasm"
133 = "Tuberculosis"
136 = "Syphilis"
142 = "Septicemia"
145 = "Other Infectious and Parasitic Diseases including HIV"
148 = "Diabetes Mellitus"
151 = "Alzheimers (ICD-9 and 10 only)"
154 = "Diseases of Heart"
157 = "Hypertension without Heart Disease"
160 = "Cerebrovascular Diseases"

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163 = "Atherosclerosis"
166 = "Aortic Aneurysm and Dissection"
169 = "Other Diseases of Arteries, Arterioles, Capillaries"
172 = "Pneumonia and Influenza"
175 = "Chronic Obstructive Pulmonary Disease and Allied Cond"
178 = "Stomach and Duodenal Ulcers"
181 = "Chronic Liver Disease and Cirrhosis"
184 = "Nephritis, Nephrotic Syndrome and Nephrosis"
187 = "Complications of Pregnancy, Childbirth, Puerperium"
190 = "Congenital Anomalies"
193 = "Certain Conditions Originating in Perinatal Period"
196 = "Symptoms, Signs and Ill-Defined Conditions"
199 = "Accidents and Adverse Effects"
202 = "Suicide and Self-Inflicted Injury"
205 = "Homicide and Legal Intervention"
208 = "Other Cause of Death"
252 = "State DC not available or state DC available but no COD"
;

COD to site rec KM: (CODKM)

'000' Alive
'001'-'014','024','027','029'-'062','065'-'067','070',
'073'-'078','080','083','085'-'090' = 'All Malignant Cancers'
'001'-'010' = 'Oral Cavity and Pharynx'
'001' = 'Lip'
'002' = 'Tongue'
'003' = 'Salivary Gland'
'004' = 'Floor of Mouth'
'005' = 'Gum and Other Mouth'
'006' = 'Nasopharynx'
'007' = 'Tonsil'
'008' = 'Oropharynx'
'009' = 'Hypopharynx'
'010' = 'Other Oral Cavity and Pharynx'
'011'-'014','024','027','029'-'036' = 'Digestive System'
'011' = 'Esophagus'
'012' = 'Stomach'
'013' = 'Small Intestine'
'014','024' = 'Colon and Rectum'
'014' = 'Colon excluding Rectum'
'024' = 'Rectum and Rectosigmoid Junction'
'027' = 'Anus, Anal Canal and Anorectum'
'029'-'030' = 'Liver and Intrahepatic Bile Duct'
'029' = 'Liver'

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'030' = 'Intrahepatic Bile Duct'
 '031' = 'Gallbladder'
 '032' = 'Other Biliary'
 '033' = 'Pancreas'
 '034' = 'Retroperitoneum'
 '035' = 'Peritoneum, Omentum and Mesentery'
 '036' = 'Other Digestive Organs'
 '037'-'041' = 'Respiratory System'
 '037' = 'Nose, Nasal Cavity and Middle Ear'
 '038' = 'Larynx'
 '039' = 'Lung and Bronchus'
 '040' = 'Pleura'
 '041' = 'Trachea, Mediastinum and Other Respiratory Organs'
 '042' = 'Bones and Joints'
 '043' = 'Soft Tissue including Heart'
 '044'-'045' = 'Skin excluding Basal and Squamous'
 '044' = 'Melanoma of the Skin'
 '045' = 'Other Non-Epithelial Skin'
 '046' = 'Breast'
 '047'-'053' = 'Female Genital System'
 '047' = 'Cervix Uteri'
 '048'-'049' = 'Corpus and Uterus, NOS'
 '048' = 'Corpus Uteri'
 '049' = 'Uterus, NOS'
 '050' = 'Ovary'
 '051' = 'Vagina'
 '052' = 'Vulva'
 '053' = 'Other Female Genital Organs'
 '054'-'057' = 'Male Genital System'
 '054' = 'Prostate'
 '055' = 'Testis'
 '056' = 'Penis'
 '057' = 'Other Male Genital Organs'
 '058'-'061' = 'Urinary System'
 '058' = 'Urinary Bladder'
 '059' = 'Kidney and Renal Pelvis'
 '060' = 'Ureter'
 '061' = 'Other Urinary Organs'
 '062' = 'Eye and Orbit'
 '090' = 'Brain and Other Nervous System'
 '065'-'066' = 'Endocrine System'
 '065' = 'Thyroid'
 '066' = 'Other Endocrine including Thymus'
 '067', '070' = 'Lymphoma'
 '067' = 'Hodgkin Lymphoma'

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'070' = 'Non-Hodgkin Lymphoma'
 '073' = 'Myeloma'
 '074'-'078','080','083','085','089' = 'Leukemia'
 '074'-'076' = 'Lymphocytic Leukemia'
 '074' = 'Acute Lymphocytic Leukemia'
 '075' = 'Chronic Lymphocytic Leukemia'
 '076' = 'Other Lymphocytic Leukemia'
 '077'-'078','080','089' = 'Myeloid and Monocytic Leukemia'
 '077' = 'Acute Myeloid Leukemia '
 '080' = 'Acute Monocytic Leukemia'
 '078' = 'Chronic Myeloid Leukemia'
 '089' = 'Other Myeloid/Monocytic Leukemia'
 '083','085' = 'Other Leukemia'
 '083' = 'Other Acute Leukemia '
 '085' = 'Aleukemic, Subleukemic and NOS'
 '087' = 'Mesothelioma (ICD-10 only)
 '088' = 'Kaposi Sarcoma (ICD-10 only)
 '086' = 'Miscellaneous Malignant Cancer'
 '130' = 'In situ, benign or unknown behavior neoplasm'
 '133' = 'Tuberculosis'
 '136' = 'Syphilis'
 '142' = 'Septicemia'
 '145' = 'Other Infectious and Parasitic Diseases including HIV'
 '148' = 'Diabetes Mellitus'
 '151' = 'Alzheimers (ICD-9 and 10 only)'
 '154' = 'Diseases of Heart'
 '157' = 'Hypertension without Heart Disease'
 '160' = 'Cerebrovascular Diseases'
 '163' = 'Atherosclerosis'
 '166' = 'Aortic Aneurysm and Dissection'
 '169' = 'Other Diseases of Arteries, Arterioles, Capillaries'
 '172' = 'Pneumonia and Influenza'
 '175' = 'Chronic Obstructive Pulmonary Disease and Allied Cond'
 '178' = 'Stomach and Duodenal Ulcers'
 '181' = 'Chronic Liver Disease and Cirrhosis'
 '184' = 'Nephritis, Nephrotic Syndrome and Nephrosis'
 '187' = 'Complications of Pregnancy, Childbirth, Puerperium'
 '190' = 'Congenital Anomalies'
 '193' = 'Certain Conditions Originating in Perinatal Period'
 '196' = 'Symptoms, Signs and Ill-Defined Conditions'
 '199' = 'Accidents and Adverse Effects'
 '202' = 'Suicide and Self-Inflicted Injury'
 '205' = 'Homicide and Legal Intervention'
 '208' = 'Other Cause of Death'
 '252' = 'State DC not available or state DC available but no COD'

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Codes for CS Schema (cssch1-cssch10)

'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
'32' = OthBiliary
'33' = PancreasHead
'34' = PancreasBodyTail
'35' = OthPancreas
'36' = OthDigestive
'37' = NasalCavity
'38' = MiddleEar
'39' = MaxillarySinus
'40' = EthmoidSinus
'41' = OthSinus
'42' = GlotticLarynx

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'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
'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

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'88' = OthCNS
 '89' = Thyroid
 '90' = OthEndocrine
 '91' = KS
 '92' = Lymphoma
 '93' = HemeRetic
 '94' = OthIIIDef

Codes for AYA site recode (ayasiter1-ayasiter10)

'01' = "1.1 Acute lymphoid leukemia"
 '02' = "1.2 Acute myeloid leukemia "
 '03' = "1.3 Chronic myeloid leukemia "
 '04' = "1.4 Other and unspecified leukemia "
 '05' = "2.1 Non-Hodgkin lymphoma "
 '06' = "2.2 Hodgkin lymphoma "
 '07' = "3.1.1 Specified low-grade astrocytic tumors "
 '08' = "3.1.2 Glioblastoma and anaplastic astrocytoma "
 '09' = "3.1.3 Astrocytoma, NOS "
 '10' = "3.2 Other glioma"
 '11' = "3.3 Ependymoma "
 '12' = "3.4.1 Medulloblastoma "
 '13' = "3.4.2 Supratentorial PNET "
 '14' = "3.5 Other specified intracranial and intraspinal neoplasms "
 '15' = "3.6.1 Unspec malignant intracranial and intraspinal neo "
 '16' = "3.6.2 Unspec ben/border intracran. and intraspinal neo "
 '17' = "4.1 Osteosarcoma "
 '18' = "4.2 Chondrosarcoma "
 '19' = "4.3 Ewing tumor "
 '20' = "4.4 Other specified and unspecified bone tumors "
 '21' = "5.1 Fibromatous neoplasms "
 '22' = "5.2 Rhabdomyosarcoma "
 '23' = "5.3.1.1 Specified (excluding Kaposi sarcoma) "
 '24' = "5.3.1.2 Kaposi sarcoma "
 '25' = "5.3.2 Unspecified soft tissue sarcoma "
 '26' = "6.1 Germ cell and trophoblastic neoplasms of gonads "
 '27' = "6.2.1 Intracranial (all behaviors) "
 '28' = "6.2.2 Other nongonadal "
 '29' = "7.1 Melanoma "
 '30' = "7.2 Skin carcinomas "
 '31' = "8.1 Thyroid carcinoma "
 '32' = "8.2.1 Nasopharyngeal carcinoma "
 '33' = "8.2.2 Other sites in lip, oral cavity and pharynx "
 '34' = "8.2.3 Nasal cav,mid ear,sinus,larynx,ill-def head/neck "
 '35' = "8.3 Carcinoma of trachea,bronchus, and lung "
 '36' = "8.4 Carcinoma of breast "

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'37' = "8.5.1 Carcinoma of kidney "
 '38' = "8.5.2 Carcinoma of bladder "
 '39' = "8.5.3 Carcinoma of gonads "
 '40' = "8.5.4 Carcinoma of cervix and uterus "
 '41' = "8.5.5 Carc of oth and ill-def sites, geniouinary tract "
 '42' = "8.6.1 Carcinoma of colon and rectum "
 '43' = "8.6.2 Carcinoma of stomach "
 '44' = "8.6.3 Carcinoma of liver and intrahepatic bile ducts "
 '45' = "8.6.4 Carcinoma of pancreas "
 '46' = "8.6.5 Carc oth and ill-def sites, gastrointestinal tract "
 '47' = "8.7.1 Adrenocortical carcinoma "
 '48' = "8.7.2 Carcinoma of other and ill-defined sites, NOS "
 '49' = "9.1.1 Wilms tumor "
 '50' = "9.1.2 Neuroblastoma "
 '51' = "9.1.3 Other pediatric and embryonal tumors, NOS "
 '52' = "9.2.1 Paraganglioma and glomus tumors "
 '53' = "9.2.2 Other specified gonadal tumors "
 '54' = "9.2.3 Myeloma, mast cell, misc lymphoreticular neo, NOS "
 '55' = "9.2.4 Other specified neoplasms, NOS"
 '56' = "10 Unspecified Malignant Neoplasms "
 '99' = "Unclassified and Non-Malignant"

Codes for Lymphoma subtype recode (lymsubr1-lymsubr10)

'01' = "1(a)1.1 Lymphocyte-rich "
 '02' = "1(a)1.2 Mixed cellularity "
 '03' = "1(a)1.3 Lymphocyte-depleted "
 '04' = "1(a)2 Nodular sclerosis "
 '05' = "1(a)3 Classical Hodgkin lymphoma, NOS "
 '06' = "1(b) Nodular lymphocyte predominant Hodgkin lymphoma "
 '07' = "2(a)1 Precursor Non-Hodgkin lymphoma, B-cell "
 '08' = "2(a)2.1.1 Chronic/Small lymphocytic leuk/lymph "
 '09' = "2(a)2.1.2 Prolymphocytic leukemia, B-cell "
 '10' = "2(a)2.1.3 Mantle-cell lymphoma "
 '11' = "2(a)2.2.1 Lymphoplasmacytic lymphoma "
 '12' = "2(a)2.2.2 Waldenstrom macroglobulinemia "
 '13' = "2(a)2.3.1 DLBCL, NOS "
 '14' = "2(a)2.3.2 Intravascular large B-cell lymphoma "
 '15' = "2(a)2.3.3 Primary effusion lymphoma "
 '16' = "2(a)2.3.4 Mediastinal large B-cell lymphoma "
 '17' = "2(a)2.4 Burkitt lymphoma/leukemia "
 '18' = "2(a)2.5.1 Splenic MZL "
 '19' = "2(a)2.5.2 Extranodal MZL, MALT type "
 '20' = "2(a)2.5.3 Nodal MZL "
 '21' = "2(a)2.6 Follicular lymphoma "
 '22' = "2(a)2.7 Hairy-cell leukemia "

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'23' = "2(a)2.8.1 Plasmacytoma "
'24' = "2(a)2.8.2 Multiple myeloma/plasma-cell leuk "
'25' = "2(a)2.9 Heavy chain disease "
'26' = "2(a)3 Non-Hodgkin lymphoma, B-cell, NOS "
'27' = "2(b)1 Precursor Non-Hodgkin lymphoma, T-cell "
'28' = "2(b)2.1.1 Mycosis fungoides "
'29' = "2(b)2.1.2 Sezary syndrome "
'30' = "2(b)2.2.1 Peripheral T-cell lymphoma, NOS "
'31' = "2(b)2.2.2 Angioimmunoblastic T-cell lymphoma "
'32' = "2(b)2.2.3 Subcutan panniculitis-like T-cell lymph "
'33' = "2(b)2.2.4 Anaplastic lar cell lymph, T-/Null-cell "
'34' = "2(b)2.2.5 Hepatosplenic T-cell lymphoma "
'35' = "2(b)2.2.6 Enteropathy-type T-cell lymphoma"
'36' = "2(b)2.2.7 Cutaneous T-cell lymphoma, NOS "
'37' = "2(b)2.2.8 Prim cutaneous anaplastic lar cell lymph "
'38' = "2(b)2.3 Adult T-cell leukemia/lymphoma "
'39' = "2(b)2.4 NK/T-cell lymph, nasal-type/aggres NK leuk "
'40' = "2(b)2.5 T-cell large granular lymphocytic leukemia "
'41' = "2(b)2.6 Prolymphocytic leukemia, T-cell "
'42' = "2(b)3 Non-Hodgkin lymphoma, NOS, T-cell "
'43' = "2(c)1 Precursor lymphoblastic leuk/lymph, unk lineage "
'44' = "2(c)2 Prolymphocytic leukemia, unknown lineage "
'45' = "2(c)3 Non-Hodgkin lymphoma, NOS, unknown lineage "
'46' = "3 Composite Hodgkin lymphoma and NHL "
'47' = "4 Lymphoid neoplasm, NOS "
'99' = "Unclassified "

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Note:

Rural/Urban Continuum as Defined in the 2004 ARF file

(urban/rural code)

The **2003 Rural/Urban Continuum Codes** are from Economic Research Service (ERS), Department of Agriculture. The codes form a classification scheme that distinguishes metropolitan (metro) counties by the population size of their metro area and nonmetropolitan (nonmetro) counties by degree of urbanization and adjacency to a metro area or nonmetro areas. All U.S. counties and county equivalents are grouped according to the official metro status announced by the Office of Management and Budget (OMB) in June 2003, when the population and worker commuting criteria used to identify metro counties were applied to results of the 2000 Census.

Metro counties are distinguished by population size of the Metropolitan Statistical Area of which they are part. Nonmetro counties are classified according to the aggregate size of their urban population. Within the three urban size categories, nonmetro counties are further identified by whether or not they have some functional adjacency to a metro area or areas. A nonmetro county is defined as adjacent if it physically adjoins one or more metro areas, and has at least 2 percent of its employed labor force commuting to central metro counties. Nonmetro counties that do not meet these criteria are classed as nonadjacent.

In concept, the 2003 version of the Rural-Urban Continuum Codes is comparable with that of earlier decades. However, OMB made major changes in its metro area delineation procedures for the 2000 Census, and the Census Bureau changed the way in which rural and urban are measured. Therefore, the new Rural-Urban Continuum Codes are not fully comparable with those of earlier years. OMB's changes added some additional metro areas by no longer requiring that a metro area must have at least 100,000 population if its urbanized area has no place of at least 50,000 people. More importantly, simplifying the worker commuting criteria that determine outlying metro counties had the effect of both adding numerous new outlying counties to metro status while deleting a smaller number that were previously metro.

The Census Bureau made a radical shift in determining rural-urban boundaries by changing and liberalizing the procedures for delineating urbanized areas of 50,000 or more people, and abandoning place boundaries in measuring urban or rural population. The procedures used in defining Urbanized Areas were extended down to clusters of 2,500 or more people, based solely on population density per square mile.

In earlier versions of the Rural-Urban Continuum Codes, metro areas with 1 million population or more were subdivided between central counties (Code 0) and fringe counties (Code 1). The Code 1 group has become much less meaningful in the last two censuses as more and more counties of large metro areas have been rated as central counties by OMB procedures. In 2000, only 1.6 percent of the population of large metro areas was in fringe counties. Therefore, this distinction has been dropped. Codes 0 and 1 have been combined, and the new code 1 represents all counties in metro areas of 1 million or more population.

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The 2003 Rural/Urban Continuum Codes are defined as follows:

CODE	METROPOLITAN COUNTIES (1-3)
01	Counties of metro areas of 1 million population or more
02	Counties in metro areas of 250,000 - 1,000,000 population
03	Counties in metro areas of fewer than 250,000 population
	NONMETROPOLITAN COUNTIES (4-9)
04	Urban population of 20,000 or more, adjacent to a metro area
05	Urban population of 20,000 or more, not adjacent to a metro area
06	Urban population of 2,500-19,999, adjacent to a metro area
07	Urban population of 2,500-19,999, not adjacent to a metro area
08	Completely rural or less than 2,500 urban population, adjacent to a metro area
09	Completely rural or less than 2,500 urban population, not adjacent to a metro area
99	Missing Value