

## Documentation for the Patient Entitlement and Diagnosis Summary File

COLUMN	FIELD	LENGTH	SOURCE	NOTES
<u>Record Information</u>				
1	Registry/Case ( <b>regcase</b> )	10	Master File	
	** SEER registry	2		'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 (1973+)**
	Case #	8		Encrypted SEER Case #
11	Five Pct Indicator ( <b>fivepct</b> )	1	Master File	Indicates inclusion in 5% Medicare sample. 'Y' - Included 'N' - Not included
12	Match Type ( <b>mat_type</b> )	1	Match File	HCFA's matching algorithm is available at IMS. 'A' - Alphabetic Match 'B' - SSN Match
13	Match Flag 1 ( <b>yobflg1</b> )	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 ( <b>dobflg2</b> )	1	Match File	Day of Birth Match for SSN and Alpha Match. (See Match Flag 1 for code definition)
15	Match Flag 3 ( <b>yodflg3</b> )	1	Match File	Month and Year of Death for Alpha Match. (See Match Flag 1 for code definition)
16	Match Flag 4 ( <b>sexflg4</b> )	1	Match File	Sex Flag for SSN and Alpha Match. (See Match Flag 1 for code definition)
17	Match Flag 5 ( <b>lstflg5</b> )	1	Match File	Last Name Flag for SSN Match. (See Match Flag 1 for code definition)
18	Match Flag 6 ( <b>fstflg6</b> )	1	Match File	First Name Flag for SSN Match. (See Match Flag 1 for code definition)
19	Match Flag 7 ( <b>modflg7</b> )	1	Match File	Month of Birth Flag for SSN Match. (See Match Flag 1 for code definition)

\*\*Specific California registries will be differentiated in the repeated registry codes (starting in column 1316, variables reg1-reg10)

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COLUMN	FIELD	LENGTH	SOURCE	NOTES
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		Shows the level of agreement between SEER and MEDICARE on the patient's month of death. Dates of death after 12/04 were treated as 'not dead' for comparison purposes. '0' - Not dead by 12/04 '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.

Demographic Information I

24	Medicare Date of Death (med_dodm, med_dodd, med_dody)	8	EDB	MMDDYYYY or blanks for not dead. Reported to HCFA by SSA - not date of last contact.
32	Medicare Month of Birth (birthm)	2	EDB	MM, zeroes for invalid
36	Medicare Year of Birth (birthyr)	4	EDB	YYYY, zeroes for invalid
40	Sex (m_sex)	1	EDB	'1' - Male '2' - Female
41	Race (Race)	1	EDB	'1' - White '2' - Black '3' - Other '4' - Asian '5' - Hispanic '6' - N. Am. Native '0' - Unknown

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COLUMN	FIELD	LENGTH	SOURCE	NOTES
<u>Entitlement Information</u>				
42	Orig. Reason for Ent. ( <b>rsncd1</b> )	1	EDB	'0' - OASI (age) '1' - DIB (disability) '2' - ESRD '3' - DIB/ESRD This is the first Entitlement Reason located on EDB.
*43	Current Reason for Ent. ( <b>cur_ent</b> )	1	EDB	Blank = Not Enrolled '0' - OASI (age) '1' - DIB (disability) '2' - ESRD '3' - DIB/ESRD
#44	Chronic Renal Disease ( <b>chr_esrd</b> )	1	EDB	'0' - no ESRD 'Y' - Source of ESRD
*45	Medicare Status Code ( <b>med_stcd</b> )	2	EDB	Blank = Not Enrolled '10' - Aged '11' - Aged with ESRD '20' - Disabled '21' - Disabled with ESRD '31' - ESRD only

\* Variables are determined 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.

# 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.

Please Note: The repeated entitlement variables have been moved towards the end of the record starting in column 631.

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COLUMN	FIELD	LENGTH	SOURCE	NOTES
<u>Geographic Information</u>				
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.				
47	State ( <b>state</b> )	2	SEER	FIPS state code
49	County ( <b>county</b> )	3	SEER	FIPS county code
* 52	Zip Code ( <b>zip</b> )	9	EDB	zip code
61	Census Tract Flag ( <b>code_sys</b> )	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" 6 = "Blank(s)"
* 62	Census Tract ( <b>tract</b> )	6	SEER	1970/80/90 census tract
* 68	Census Tract 2000 ( <b>tract2k</b> )	6	SEER	2000 census tract
74	HSA ( <b>hsa</b> )	3	ARF	Health Service Area. Taken from the 2004 Area Resource File (ARF).
77	Urban/Rural recode ( <b>urbrur</b> )	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)
78	Urban/Rural code ( <b>urban</b> )	2	ARF	'01'-'09','99' see attachment.
80	Census Tract PCI ( <b>ctpci90</b> )	10	cen90	Per Capita Income for census tract based on the 1990 Census Bureau survey.
90	Census Tract Median Income ( <b>ctmed90</b> )	10	cen90	Median Income for census tract based on the 1990 Census Bureau survey.
100	Census Tract Density ( <b>ctden90</b> )	10	cen90	Total pop / Total land area. Based on the 1990 Census Bureau survey.
110	Census Tract % Non HS ( <b>ctnon90</b> )	6.2	cen90	Percent of persons 25+ with <12 year education.
116	Census Tract % HS only ( <b>cthso90</b> )	6.2	cen90	Percent of persons 25+ with A high school education only.
122	Census Tract % Some College ( <b>ctsc190</b> )	6.2	cen90	Percent of persons 25+ with Some college education.
128	Census Tract % College ( <b>ctcol90</b> )	6.2	cen90	Percent of persons 25+ with At least 4 years college education.

\* Special permission required for release

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COLUMN	FIELD	LENGTH	SOURCE	NOTES
134	Census Tract % Black (ctblk90)	6.2	cen90	Black pop / Total pop.
140	Census Tract % White (ctwht90)	6.2	cen90	White pop / Total pop.
146	Census Tract % Hispanic (cthsp90)	6.2	cen90	Hispanic pop / Total pop.
152	Census Tract % below poverty level (ctpov90)	6.2	cen90	Percent of tract residents Living below the poverty level.
158	Census Tract % Hhs Speaking English not well or not at all (cten590)	6.2	cen90	Speaking English not well or not at all age 5+
164	Census Tract % Hhs Speaking English not well or not at all 65+ (cten690)	6.2	cen90	Speaking English not well or not at all age 65+
170	Census Tract Median Income by Age (medag90)	10	cen90	Median HH Income by Age. Census 1990 data not available
180	Census Tract Median Income by Race (medrc90)	10	cen90	Median HH Income by Race. Census 1990 data not available
190	Census Tract % Poverty by Race and Age (povrc90)	6.2	cen90	Percent of the tracts residents living below poverty level (Race and age specific <65, 65-74, 75+)
196	Census Tract % Non HS by Race (nonrc90)	6.2	cen90	Percent persons age 25+ with <12 years education. (Race specific)
202	Census Tract % HS Only by Race (hsorc90)	6.2	cen90	Percent persons age 25+ with a high school diploma. (Race specific)
208	Census Tract % Some College by Race (sclrc90)	6.2	cen90	Percent persons age 25+ with some college education. (Race specific)
214	Census Tract % College by Race (colrc90)	6.2	cen90	Percent persons age 25+ with at least 4 years of college education. (Race specific)
220	Zip Code PCI (zppci90)	10	cen90	Per Capita Income for Zip code.
230	Zip Code Median Income (zpmcd90)	10	cen90	Median HH Income for Zip Code.
240	Zip Code Density (zpdn90)	10	cen90	Not Available in Census 1990 Data.
250	Zip Code % Non HS (zpnnon90)	6.2	cen90	Percent persons 25+ with <12 year education.

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COLUMN	FIELD	LENGTH	SOURCE	NOTES
256	Zip Code % HS only (zphso90)	6.2	cen90	Percent persons 25+ with a high school diploma only.
262	Zip Code % Some College (zpscl90)	6.2	cen90	Percent persons 25+ with some college education.
268	Zip Code % College (zpcol90)	6.2	cen90	Percent persons 25+ with at least 4 years of college.
274	Zip Code % Black (zpbk90)	6.2	cen90	Black pop / Total pop.
280	Zip Code % White (zpwht90)	6.2	cen90	White pop / Total pop.
286	Zip Code % Hispanic (zphsp90)	6.2	cen90	Hispanic pop / Total pop.
292	Zip Code % Not Speaking English Well 5+ (zpen590)	6.2	cen90	Percentage of HH 5+ not speaking English well or not at all.
298	Zip Code % Not Speaking English Well 65+ (zpen690)	6.2	cen90	Percentage of HH 65+ not speaking English well or not at all.
304	Zip Code % Non HS by Race (znonrc90)	6.2	cen90	Percent persons age 25+ with <12 years education. (Race specific)
310	Zip Code % HS Only by Race (zhsorc90)	6.2	cen90	Percent persons age 25+ with a high school diploma. (Race specific)
316	Zip Code % Some College by Race (zsc1rc90)	6.2	cen90	Percent persons age 25+ with some college education. (Race specific)
322	Zip Code % College by Race (zcolrc90)	6.2	cen90	Percent persons age 25+ with at least 4 years of college education. (Race specific)
328	Census Tract PCI (ctpci00)	10	cen00	Per Capita Income for census tract based on the 2000 Census Bureau survey.
338	Census Tract Median Income (ctmed00)	10	cen00	Median Income for census tract based on the 2000 Census Bureau survey.
348	Census Tract Density (ctden00)	10	cen00	Total pop / Total land area. Based on the 2000 Census Bureau survey.
358	Census Tract % Non HS (ctnon00)	6.2	cen00	Percent of persons 25+ with <12 year education.
364	Census Tract % HS only (cthso00)	6.2	cen00	Percent of persons 25+ with A high school education only.

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COLUMN	FIELD	LENGTH	SOURCE	NOTES
370	Census Tract % Some College (ctsc100)	6.2	cen00	Percent of persons 25+ with Some college education.
376	Census Tract % College (ctcol100)	6.2	cen00	Percent of persons 25+ with At least 4 years college education.
382	Census Tract % Black (ctblk00)	6.2	cen00	Black pop / Total pop.
388	Census Tract % White (ctwht00)	6.2	cen00	White pop / Total pop.
394	Census Tract % Hispanic (cthsp00)	6.2	cen00	Hispanic pop / Total pop.
400	Census Tract % below poverty level (ctpov00)	6.2	cen00	Percent of tract residents Living below the poverty level.
406	Census Tract % HH Speaking English not well or not at all (cten500)	6.2	cen00	Speaking English not well or not at all age 5+
412	Census Tract % HH Speaking English not well or not at all 65+ (cten600)	6.2	cen00	Speaking English not well or not at all age 65+
418	Census Tract Median Income by Age (medag00)	10	cen00	Median HH Income by Age. (Age categories <25,25-34, 35-44,45-54,55-64,65-74,75+)
428	Census Tract Median Income by Race (medrc00)	10	cen00	Median HH Income by Race.
438	Census Tract % Poverty by Race and Age (povrc00)	6.2	cen00	Percent of the tracts residents living below poverty level (Race and Age specific <65, 65-74, 75+)
444	Census Tract % Non HS by Race (nonrc00)	6.2	cen00	Percent persons age 25+ with <12 years education. (Race specific)
450	Census Tract % HS Only by Race (hsorc00)	6.2	cen00	Percent persons age 25+ with a high school diploma. (Race specific)
456	Census Tract % Some College by Race (sclrc00)	6.2	cen00	Percent persons age 25+ with some college education. (Race specific)
462	Census Tract % College by Race (colrc00)	6.2	cen00	Percent persons age 25+ with at least 4 years of college education. (Race specific)
468	Zip Code PCI (zppci00)	10	cen00	Per Capita Income for Zip code.
478	Zip Code Median Income (zpmcd00)	10	cen00	Median HH Income for Zip Code.

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COLUMN	FIELD	LENGTH	SOURCE	NOTES
488	Zip Code Density (zpden00)	10	cen00	Total pop / Total land area.
498	Zip Code % Non HS (zpnnon00)	6.2	cen00	Percent persons 25+ with <12 year education.
504	Zip Code % HS only (zphso00)	6.2	cen00	Percent persons 25+ with a high school diploma only.
510	Zip Code % Some College (zpscl100)	6.2	cen00	Percent persons 25+ with some college education.
516	Zip Code % College (zpcol100)	6.2	cen00	Percent persons 25+ with at least 4 years of college.
522	Zip Code % Black (zpbk00)	6.2	cen00	Black pop / Total pop.
528	Zip Code % White (zpwht00)	6.2	cen00	White pop / Total pop.
534	Zip Code % Hispanic (zphsp00)	6.2	cen00	Hispanic pop / Total pop.
540	Zip Code % Not Speaking English Well 5+ (zpen500)	6.2	cen00	Percentage of HH 5+ not speaking English well or not at all.
546	Zip Code % Not Speaking English Well 65+ (zpen600)	6.2	cen00	Percentage of HH 65+ not speaking English well or not at all.
552	Zip Code % Non HS by Race (znonrc00)	6.2	cen00	Percent persons age 25+ with <12 years education. (Race specific)
558	Zip Code % HS Only by Race (zhsorc00)	6.2	cen00	Percent persons age 25+ with a high school diploma. (Race specific)
564	Zip Code % Some College by Race (zsclrc00)	6.2	cen00	Percent persons age 25+ with some college education. (Race specific)
570	Zip Code % College by Race (zcolrc00)	6.2	cen00	Percent persons age 25+ with at least 4 years of college education. (Race specific)

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.

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COLUMN	FIELD	LENGTH	SOURCE	NOTES
<u>Demographic Information II</u>				
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. Survival data is good through 12/04.				
576	Registry ( <b>reg65</b> )	2	SEER	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+)
578	Sex ( <b>s_sex</b> )	1	SEER	'1' - Male '2' - Female '9' - Not Stated
579	Race ( <b>rac_recb</b> )	2	SEER	Race Recode B from SEER '01','11' - White '01' - Caucasian '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+)
581	ICD Code - Cause of Death ( <b>icd_code</b> )	1	SEER	'0' - Patient is alive at last follow-up. '1' - Tenth ICD revision '8' - Eighth ICD revision '9' - Ninth ICD revision
582	Cause of Death ICD-8 or 9 ( <b>cod89v</b> )	4	SEER	0020-9999 0000 - Alive at last contact 7777 - State Death Certificate not available. 7797 - Death Cert. available, no COD listed.
586	Cause of Death ICD-10 ( <b>cod10v</b> )	4	SEER	A020-Y891 0000 - Alive at last contact 7777 - State Death Certificate not available. 7797 - Death Cert. available, no COD listed.
590	Cause of Death to site recode KM ( <b>codkm</b> )	3	SEER	000-252 (see attachment)

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COLUMN	FIELD	LENGTH	SOURCE	NOTES
593	SEER Date of Death ( <b>ser_dodm, ser_dody</b> )	6	SEER	MMYYYY or zeroes 13 = Unknown month 2053 = Unknown Year
599	SEER Age at Diagnosis ( <b>age_dx</b> )	3	SEER	Age at diagnosis
602	SEER Race/Ethnicity ( <b>srace</b> )	2	SEER	'01' - White '02' - Black '03' - American Indian, Aleutian Islander or Eskimo '04' - Chinese '05' - Japanese '06' - Filipino '07' - Hawaiian '08' - Korean '09' - Asian Indian, Pakistani '10' - Vietnamese '11' - Laotian '12' - Hmong '13' - Kampuchean '14' - Thai (1994+) '20' - Micronesian, NOS (1991+) '21' - Chamorran (1991+) '22' - Guamanian, NOS (1991+) '25' - Polynesian, NOS (1991+) '26' - Tahitian (1991+) '27' - Samoan (1991+) '28' - Tongan (1991+) '30' - Melanesian, NOS (1991+) '31' - Fiji Islander (1991+) '32' - New Guinean (1991+) '96' - Other Asian (1991+) '97' - Pacific Islander, NOS (1991+) '98' - Other '99' - Unknown
604	SEER Hispanic Surname ( <b>origin</b> )	1	SEER	'0' - Non-Spanish; non-Hispanic '1' - Mexican including Chicano (1988+) '2' - Puerto Rican (1988 +) '3' - Cuban (1988+) '4' - South or Central American except Brazil (1988+) '5' - Other Spanish including European excl Dom Rep (1988+) '6' - Spanish/Hispanic/Latino, NOS '7' - Spanish surname only (1994+) '8' - Dominican Republic (2003+) '9' - Unknown
605	First diagnosis date at age 65 or older ( <b>dx65m, dx65y</b> )	6	SEER	MMYYYY MM=13 - Unknown
611	Diagnosis indicator ( <b>resnrec</b> )	1	SEER	'0' - Last Dx; Patient always less than 65. '1' - First Dx at age 65 or later.
612	Vital Status Recode ( <b>stat_rec</b> )	1	SEER	Study Cutoff used (12/04) '1' = 'Alive' '4' = 'Dead'

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COLUMN	FIELD	LENGTH	SOURCE	NOTES
619	Place of Birth ( <b>plc_brth</b> )	3	SEER	See attachment
622	Number of SEER records ( <b>count</b> )	2		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.
624	Number of Primaries ( <b>numprims</b> )	2	SEER	00-98, Total Number of Primaries according to SEER.

The following information comes from the patient's SEER record with the lowest sequence number, regardless of age at diagnosis.

626	Age at first diagnosis ( <b>age1dx</b> )	3	1st SEER	000-150, 999 for unknown.
629	Over 65 flag ( <b>seq1ov65</b> )	1	1st SEER	Shows whether patient was 65 or older at 1st cancer diagnosis. 'Y' - yes 'N' - no
630	Multiple Site Indic. ( <b>multisite</b> )	1	1st SEER	Shows if first cancer diagnosed 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.
631	1st Cancer Seq. Number ( <b>seq1dx</b> )	2	1st SEER	

**NOTE:** There are a limited number of cases where the first cancer sequence number is '01' (meaning the patients first cancer diagnosis) and the multiple site indicator is '9'. This will occur for a patient with multiple cancer diagnoses whose first primary diagnosis is insitu and whose second or subsequent primary diagnosis is invasive.

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Repeated Entitlement Information

633	Entitlement indic. (mon1-mon240)	12	EDB	One indicator for each month in the year. Each monthly indicator is formatted: '0' - not entitled '1' - Part A only '2' - Part B only '3' - Part A and B
645	HMO indicators (gho1-gho240)	12	EDB	One indicator for each month in the year. Formatted: '0' - not member of HMO '1' - Non-Lock-in, HCFA to process provider claims '2' - Non Lock-in, GHO to process in-plan Part A & in-area Part B claims 'A' - Lock-in,HCFA to process provider claims 'B' - Lock-in,GHO to process in-plan Part A & in-area Part B claims 'C' - Lock-in,GHO to process all Part A and Part B claims
657	Part A Months (ptacnt1986-ptacnt2005)	2	EDB	Number of months in 1986 covered for part A (00-12).
659	Part B Months (ptbcnt1986-ptbcnt2005)	2	EDB	Number of months in 1986 covered for part B (00-12).
661	HMO Months (hmocnt1986-hmocnt2005)	2	EDB	Number of months in 1986 as an HMO member (00-12).
663	SBI Months (stbuy1986-stbuy2005)	2	EDB	Number of months in 1986 with state buy-in coverage (00-12).

Columns 633-664 (32 columns total) are repeated 20 times - once for each year in 1986 thru 2005.

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Repeated SEER data

1273	Sequence Number (seq1-seq10)	2	SEER	00-97,98,99 00 - 'One primary only' 01 - 'First of 2 or more primaries' 02 - 'Second of 2 or more primaries' ... 98 - 'Cervix carcinoma in situ after 1/1/96' 99 - 'Unspecified sequence #'
1275	Site (site1-site10)	3	SEER	000-809 Refer to SEER web site ( <a href="http://www.seer.cancer.gov/manuals/codeman.pdf">http://www.seer.cancer.gov/manuals/codeman.pdf</a> ) for definitions.
1278	Site Recode (ICD-O-3) (siter1-siter10)	2	SEER	01-99 (see attachment)
*1280	Site Recode with Kaposi and Mesothelioma (ICD-O-3) (siterkml1-siterkml10)	2	SEER	01-99 (see attachment)
1282	Site Recode (ICD-O-2) (site2r1-site2r10)	2	SEER	01-99 (see attachment)
1284	Histology (ICD-0-3) (hist1-hist10)	4	SEER	8000-9999 Refer to SEER web site ( <a href="http://www.seer.cancer.gov/manuals/codeman.pdf">http://www.seer.cancer.gov/manuals/codeman.pdf</a> ) for definitions.
1288	Histology (ICD-0-2) (hist2_1-hist2_10)	4	SEER	8000-9999 Refer to SEER web site ( <a href="http://www.seer.cancer.gov/manuals/codeman.pdf">http://www.seer.cancer.gov/manuals/codeman.pdf</a> ) for definitions.
1292	Behavior code (ICD-0-3) (beh1-beh10)	1	SEER	'1' - Uncertain '2' - In situ '3' - Malignant
1293	Behavior code (ICD-0-2) (beh2_1-beh2_10)	1	SEER	'1' - Uncertain '2' - In situ '3' - Malignant
1294	Behavior recode for analysis (behtrend1-behtrend10)	1	SEER	'2' - In situ '3' - Malignant '4' - Only Malignant in ICD-O-3 '5' - No longer reportable in ICD-O-3
1295	Month of Diagnosis (modx1-modx10)	2	SEER	01-12, 13 - Unknown
*1297	Year of Diagnosis (yrdx1-yrdx10)	4	SEER	1973-2002

\* Variables used to extract cohorts for data requests.

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1301	Age at Diagnosis recode 2 (ager1-ager10)	2	SEER	'01' - 00-04 '02' - 05-09 ... '14' - 65-69 '15' - 70-74 '16' - 75-79 '17' - 80-84 '18' - 85+ '99' - Unknown
1303	Reporting Source (src1-src10)	1	SEER	'1' - Hospital '3' - Laboratory '4' - Private Doctor '5' - Nursing/Convalescent '6' - Autopsy '7' - Death Certificate
1304	Historic Stage (hstst1-hstst10)	1	SEER	'0' - In Situ '1' - Localized '2' - Regional '4' - Distant '8' - Localized/Regional (coded for (prostate cancer) '9' - Unstaged
1305	Modified AJC Stage (1973-1987) (aj1sr1-aj1sr10)	2	SEER	For diagnosis years 1973-87 0 - Stage 0 10-19 - Stage 1 20-29 - Stage 2 30-39 - Stage 3 40-49 - Stage 4 50-99 - Unknown
1307	Modified AJC Stage (1988+) (aj3sr1-aj3sr10)	2	SEER	For diagnosis years 1988+ 0 - Stage 0 10-19 - Stage 1 20-29 - Stage 2 30-39 - Stage 3 40-49 - Stage 4 50-99 - Unknown
1309	AJCC stage 3 <sup>rd</sup> edition (1988+) (ajccstg1-ajccstg10)	2	SEER	For diagnosis years 1988+ 0 - Stage 0 10-19 - Stage 1 20-29 - Stage 2 30-39 - Stage 3 40-49 - Stage 4 50-99 - Unknown
1313	First Malignant Primary (frstprml-frstprml0)	1	SEER	0 - No 1 - Yes
1314	Multiple primary indicator (multprim1-multprim10)	1	SEER	0 - First in situ, no malignants 1 - First malignant 9 - Second or subsequent
1315	Marital Status (marst1-marst10)	1	SEER	1 = 'Single' 2 = 'Married' 3 = 'Separated' 4 = 'Divorced' 5 = 'Widowed' 9 = 'Unknown'

COLUMN	FIELD	LENGTH	SOURCE	NOTES
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Documentation for the Patient Entitlement and Diagnosis Summary File

1316	Registry Code (reg1-reg10)	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+)
1318	Month Therapy Started (monrx1-monrx10)	2	SEER	Month of Therapy 00 - No Therapy 01-12 13 - Unknown
1320	Year Therapy Started (yearrx1-yearrx10)	4	SEER	Year of Therapy 9999 - Unknown
1324	Radiation (rad1-rad10)	1	SEER	'0' - None '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 '7' - Refused '8' - Recommended, unknown if administered '9' - Unknown
1331	Other Therapy (other_tx1-other_tx10)	1	SEER	'0' - No other cancer-directed therapy '1' - Other cancer-directed therapy '2' - Other experimental cancer- directed therapy '3' - Double blind study, code not yet broken '6' - Unproven therapy (including Laetrile, Krebiozen, etc) '7' - Refused therapy 1-3 above '8' - Recommended, unknown if administered '9' - Unknown
1332	Radiation sequence with surgery (radsurg1-radsurg10)	1	SEER	0='No radiation and/or cancer- directed surgery' 2='Radiation prior to surgery' 3='Radiation after surgery' 4='Radiation before and after surgery' 5='Intraoperative radiation' 6='Intraoperative rad with other rad before/after surgery' 9='Sequence unknown, but both were given'

## Documentation for the Patient Entitlement and Diagnosis Summary File

COLUMN	FIELD	LENGTH	SOURCE	NOTES
1333	Radiation to Brain and/or CNS (radbrn1-radbrn10)	1	SEER	0='None' 1='Radiation' 7='Refused' 8='Recommended, unknown if administered' 9='Unknown'
1334	Was cancer-directed Surgery Performed? (nosrg1-nosrg10)	1	SEER	Called 'NO_SURG' in SEER '0'- Cancer directed surgery performed '1'- Not recommended '2'- Not recommended:Contraindicated due to other conditions '5'- Not performed, patient died prior to recommended surgery. '6'- Unknown '7'- Refused '8'- Recommended, unknown if done '9'- Unknown, death certificate only case
1335	Grade (ICD-0-2) (grad1-grade10)	1	SEER	'1' - Well differentiated, Grade 1 '2' - Moderately differentiated, Grade 2 '3' - Poorly differentiated, Grade 3 '4' - Undifferentiated, Grade4 '5' - T-cell; T-precursor '6' - B-cell; pre-B; B-precursor '7' - Null cell; Non T, Non B '8' - Natural Killer cell (1995+) '9' - Unknown
1336	Diagnostic Confirmation (dxconf1-dxconf10)	1	SEER	'1' - Positive histology '2' - Positive exfoliative cytology, no positive histology '4' - Positive microscopic confirm, method not specified '5' - Positive lab test/ marker study '6' - Direct visualization without microscopic confirmation '7' - Radiography without microscopic confirm '8' - Clinical diagnosis only '9' - Unknown
1337	Laterality (lat1-lat10)	1	SEER	'0' - Not a paired site '1' - Right-origin of primary '2' - Left-origin of primary '3' - Only one side - side unspecified '4' - Bilateral, single primary '9' - Paired site, but no information concerning laterality
1338	Site Specific Surgery (1983-1997) (sssurg1-sssurg10)	2	SEER	00-99 Refer to SEER web site for cancer specific definitions. ( <a href="http://www.seer.cancer.gov/manuals/AppendD.pdf">http://www.seer.cancer.gov/manuals/ AppendD.pdf</a> )

## Documentation for the Patient Entitlement and Diagnosis Summary File

COLUMN	FIELD	LENGTH	SOURCE	NOTES
1340	Surgery of primary Site (1998-2002) (sxprim1-sxprim10)	2	SEER	00-99 Refer SEER web site ( <a href="http://www.seer.cancer.gov/manuals/AppendC.pdf">http://www.seer.cancer.gov/manuals/AppendC.pdf</a> ) for cancer specific definitions.
1342	Number of regional lymph nd exam (1998-2002) (numnd1-numnd10)	2	SEER	00-99 00 - 'No regional lymph nodes examined' 01 - 'One regional lymph node examined' 02 - 'Two regional lymph nodes examined' ... 90 - 'Ninety or more regional lymph nodes examined' 95 - 'No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed' 96 - 'Regional lymph node removal documented as a sampling and number of lymph nodes examined unknown/not stated' 97 - 'Regional lymph node removal documented as dissection and number of lymph nodes examined unknown/not stated' 98 - 'Regional lymph nodes surgically removed but number of lymph nodes examined unknown/not stated and not documented as sampling or dissection' 99 - 'Unknown; not stated; death certificate only'
1344	Scope of regional lymph node surgery (1998-2002) (sxscop1-sxscop10)	1	SEER	0-9 Refer to SEER web site ( <a href="http://www.seer.cancer.gov/manuals/AppendC.pdf">http://www.seer.cancer.gov/manuals/AppendC.pdf</a> ) for cancer specific definitions. 0 - 'No regional lymph nodes removed' 1 - 'Regional lymph node(s) removed, NOS' ... 9 - 'Unknown; not stated; death certificate only'
1345	Surgery of other reg/dist sites (1998-2002) (sxsitel1-sxsitel10)	1	SEER	0-9 Refer to SEER web site ( <a href="http://www.seer.cancer.gov/manuals/AppendC.pdf">http://www.seer.cancer.gov/manuals/AppendC.pdf</a> ) for cancer specific definitions.
1346	First course of reconstruction (1998-2002) (recstr1-recstr10)	1	SEER	'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

## Documentation for the Patient Entitlement and Diagnosis Summary File

COLUMN	FIELD	LENGTH	SOURCE	NOTES
				'7' - Latissimus dorsi flap plus implant '8' - Abdominus recti flap plus implant '9' - Unknown
1347	RX Summ - Surg Prim Site (1998+) ( <b>sxprif1-sxprif10</b> )	2	SEER	00-99 Refer to SEER web site for cancer specific definitions. ( <a href="http://www.seer.cancer.gov/tools/SEER2003.surg.prim.site.codes.pdf">http://www.seer.cancer.gov/tools/SEER2003.surg.prim.site.codes.pdf</a> )
1349	RX Summ--Scope Reg LN Sur (2003+) ( <b>sxscof1-sxscof10</b> )	1	SEER	'0' - None '1' - Biopsy or aspiration of regional lymph node, NOS '2' - Sentinel lymph node biopsy '3' - Number of regional lymph nodes removed unknown '4' - 1 to 3 regional lymph nodes removed '5' - 4 or more regional lymph nodes removed '6' - Sentinel node biopsy and lymph nd removed same/unstated time '7' - Sentinel node biopsy and lymph node removed different times '9' - Unknown or not applicable
1350	RX Summ--Surg Oth Reg/Dis (2003+): ( <b>sxsitf1-sxsitf10</b> )	1	SEER	'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' - Any combo of sur proc to oth rg, dis lym nd, and/or dis site '9' - Unknown; death certificate only
1351	Tumor Marker 1 ( <b>tumor1_1-tumor1_10</b> )	1	SEER	0-6,8,9 ( <a href="http://www.seer.cancer.gov/manuals/codeman.pdf">http://www.seer.cancer.gov/manuals/codeman.pdf</a> )
1352	Tumor Marker 2 ( <b>tumor2_1-tumor2_10</b> )	1	SEER	0-6,8,9 ( <a href="http://www.seer.cancer.gov/manuals/codeman.pdf">http://www.seer.cancer.gov/manuals/codeman.pdf</a> )
1353	Tumor Marker 3 ( <b>tumor3_1-tumor3_10</b> )	1	SEER	0,2, 4-6,8,9 ( <a href="http://www.seer.cancer.gov/manuals/codeman.pdf">http://www.seer.cancer.gov/manuals/codeman.pdf</a> )
1354	E0D 4 (Size, 1983-87) ( <b>e4siz1-e4siz10</b> )	2	SEER	00-99 00 - 'No Mass; no tumor found' 01 - 'Microscopic focus or foci only' 02 - <=2 mm 03 - 3 mm ... 09 - 9 mm 10 - 10 mm ...

## Documentation for the Patient Entitlement and Diagnosis Summary File

COLUMN	FIELD	LENGTH	SOURCE	NOTES
				96 - 96-99 mm 97 - 100+ mm 99 - Not Stated
1356	EOD 4 (Extent, 1983-87) (e4ext1-e4ext10)	1	SEER	0-9 Refer to SEER web site ( <a href="http://www.seer.cancer.gov/manuals/historic/EOD_1984.pdf">http://www.seer.cancer.gov/manuals/historic/EOD_1984.pdf</a> ) for cancer specific definitions.
1357	EOD 4 (Nodes, 1983-87) (e4nod1-e4nod10)	1	SEER	0-9 Refer to SEER web site ( <a href="http://www.seer.cancer.gov/manuals/historic/EOD_1984.pdf">http://www.seer.cancer.gov/manuals/historic/EOD_1984.pdf</a> ) manuals for cancer specific definitions. 0 - 'No lymph node involvement' 8 - 'Lymph nodes, NOS' 9 - 'Unknown; not stated'
1358	EOD 10 (Size, 1988+) (e10sz1-e10sz10)	3	SEER	000-999 Refer to SEER web site ( <a href="http://www.seer.cancer.gov/manuals/EOD10Diq.3rd.pdf">http://www.seer.cancer.gov/manuals/EOD10Diq.3rd.pdf</a> ) for further definitions. 000 - 'No Mass; no tumor found' 001 - 'Microscopic focus or foci only' 002 - <=2 mm 003 - 3 mm ... 099 - 99 mm 100 - 100 mm ... 990 - 990+ mm 999 - Not Stated
1361	EOD 10 (Extent, 1988+) (e10ex1-e10ex10)	2	SEER	00-99 Refer to SEER web site ( <a href="http://www.seer.cancer.gov/manuals/EOD10Diq.3rd.pdf">http://www.seer.cancer.gov/manuals/EOD10Diq.3rd.pdf</a> ) for cancer specific definitions.
1363	EOD 10 (Nodes, 1988+) (e10nd1-e10nd10)	1	SEER	0-9 Refer to SEER web site ( <a href="http://www.seer.cancer.gov/manuals/EOD10Diq.3rd.pdf">http://www.seer.cancer.gov/manuals/EOD10Diq.3rd.pdf</a> ) for cancer specific definitions. 0 - 'No lymph node involvement' 8 - 'Lymph nodes, NOS' 9 - 'Unknown; not stated'
1364	EOD 10 (# Pos Nodes, 1988+) (e10pn1-e10pn10)	2	SEER	00-99 00 - 'All nodes examined are negative' 01 - 'One positive lymph node' 02 - 'Two positive lymph nodes' ... 96 - '96 or more nodes positive' 97 - 'Positive nodes but number of positive nodes not specified' 98 - 'No nodes examined' 99 - 'Unknown if nodes are positive or negative; not applicable'

## Documentation for the Patient Entitlement and Diagnosis Summary File

COLUMN	FIELD	LENGTH	SOURCE	NOTES
1366	EOD 10 (# Nodes Exam, 1988+) (e10ne1-e10ne10)	2	SEER	00-99 Refer to SEER web site 00 - 'No nodes examined' 01 - 'One node examined' 02 - 'Two nodes examined' ... 90 - 'Ninety or more regional lymph nodes examined' 95 - 'No regional lymph node(s) removed, but aspiration of regional lymph node(s) was performed' 96 - 'Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated' 97 - 'Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated' 98 - 'Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection; nodes examined, but number unknown' 99 - 'Unknown if nodes were examined; not applicable or negative'
1368	EOD 10 (Prostate pathology ext 1995+ ) (e10pe1-e10pe10)	2	SEER	00-99 Refer to SEER web site ( <a href="http://www.seer.cancer.gov/manuals/EOD10Dig.3rd.pdf">http://www.seer.cancer.gov/manuals/EOD10Dig.3rd.pdf</a> ) for cancer specific definitions.
1370	County Code (cnty1-cnty10)	3	SEER	County Code
2273	filler	1		

Columns 1273/1372 (100 total columns) are repeated 10 times. If a patient has n records, the first n occurrences of the above fields are filled with SEER data, sorted by sequence number, and all subsequent occurrences are blank-filled. The value of n can be found in col 622-623.

**Documentation for the Patient Entitlement and Diagnosis Summary File**

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

- 01-10 = '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'
  - 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'

**Documentation for the Patient Entitlement and Diagnosis Summary File**

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'  
 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 siterkml-siterkml0, only)  
 88 = 'Kaposi Sarcoma' (for siterkml-siterkml0, only)

## Documentation for the Patient Entitlement and Diagnosis Summary File

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'  
 '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'

## Documentation for the Patient Entitlement and Diagnosis Summary File

'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'  
'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

**Documentation for the Patient Entitlement and Diagnosis Summary File**

PLC\_BRTH (Place of Birth)

- '000' = "United States"
- '001' = "New England and New Jersey"
- '002' = "Maine"
- '003' = "New Hampshire"
- '004' = "Vermont"
- '005' = "Massachusetts"
- '006' = "Rhode Island"
- '007' = "Connecticut"
- '008' = "New Jersey"
- '010' = "North Mid-Atlantic States"
- '011' = "New York"
- '014' = "Pennsylvania"
- '017' = "Delaware"
- '020' = "South Mid-Atlantic States"
- '021' = "Maryland"
- '022' = "District of Columbia"
- '023' = "Virginia"
- '024' = "West Virginia"
- '025' = "North Carolina"
- '026' = "South Carolina"
- '030' = "Southeastern States"
- '031' = "Tennessee"
- '033' = "Georgia"
- '035' = "Florida"
- '037' = "Alabama"
- '039' = "Mississippi"
- '040' = "North Central States"
- '041' = "Michigan"
- '043' = "Ohio"
- '045' = "Indiana"
- '047' = "Kentucky"
- '050' = "Northern Midwest States"
- '051' = "Wisconsin"
- '052' = "Minnesota"
- '053' = "Iowa"
- '054' = "North Dakota"
- '055' = "South Dakota"
- '056' = "Montana"
- '060' = "Central Midwest States"
- '061' = "Illinois"
- '063' = "Missouri"
- '065' = "Kansas"
- '067' = "Nebraska"
- '070' = "Southern Midwest States"
- '071' = "Arkansas"
- '073' = "Louisiana"
- '075' = "Oklahoma"
- '077' = "Texas"
- '080' = "Mountain States"
- '081' = "Idaho"
- '082' = "Wyoming"
- '083' = "Colorado"
- '084' = "Utah"
- '085' = "Nevada"
- '086' = "New Mexico"
- '087' = "Arizona"
- '090' = "Pacific Coast States"
- '091' = "Alaska"
- '093' = "Washington"
- '095' = "Oregon"
- '097' = "California"
- '099' = "Hawaii"
- '100' = "Atlantic/Caribbean Area"
- '101' = "Puerto Rico"
- '102' = "U.S. Virgin Islands"

**Documentation for the Patient Entitlement and Diagnosis Summary File**

'109' = "Other Atlantic/Caribbean Area"  
'110' = "Canal Zone"  
'120' = "Pacific Area"  
'121' = "American Samoa"  
'122' = "Kiribati (Canton, Enderbury, Gilbert, S Lines, Phoenix)"  
'123' = "Micronesia (Fed States of) (Caroline, Trust Terr of Pacific)"  
'124' = "Cook Islands (New Zealand)"  
'125' = "Tuvalu (Ellice Islands)"  
'126' = "Guam"  
'127' = "Johnston Atoll"  
'129' = "Mariana Islands (Trust Territory of Pacific Islands)"  
'131' = "Marshall Islands (Trust Territory Pacific Islands)"  
'132' = "Midway Islands"  
'133' = "Nampo-Shoto, Southern"  
'134' = "Ryukyu Islands (Japan)"  
'135' = "Swan Islands"  
'136' = "Tokelau Islands (New Zealand)"  
'137' = "Wake Island"  
'139' = "Palau (Trust Territory of Pacific Islands)"  
'210' = "Greenland"  
'220' = "Canada"  
'221' = "Maritime Provinces (New Brunsw, Newfound, Nova Scotia, PE)"  
'222' = "Quebec"  
'223' = "Ontario"  
'224' = "Prairie Provinces (Alberta Manitoba, Saskatchewan)"  
'225' = "Northwest Territories, Yukon Territory"  
'226' = "British Columbia"  
'230' = "Mexico"  
'240' = "North American Islands"  
'241' = "Cuba"  
'242' = "Haiti"  
'243' = "Dominican Republic"  
'244' = "Jamaica"  
'245' = "Other Caribbean Islands"  
'246' = "Bermuda"  
'247' = "Bahamas"  
'250' = "Central America"  
'251' = "Guatemala"  
'252' = "Belize (British Honduras)"  
'253' = "Honduras"  
'254' = "El Salvador"  
'255' = "Nicaragua"  
'256' = "Costa Rica"  
'257' = "Panama"  
'265' = "Latin America, NOS"  
'300' = "South America"  
'311' = "Colombia"  
'321' = "Venezuela"  
'331' = "Guyana (British Guiana)"  
'332' = "Suriname (Dutch Guiana)"  
'333' = "French Guiana"  
'341' = "Brazil"  
'345' = "Ecuador"  
'351' = "Peru"  
'355' = "Bolivia"  
'361' = "Chile"  
'365' = "Argentina"  
'371' = "Paraguay"  
'375' = "Uruguay"  
'400' = "United Kingdom"  
'401' = "England, Channel Islands, Isle of Man"  
'402' = "Wales"  
'403' = "Scotland"  
'404' = "Northern Ireland (Ulster)"  
'410' = "Ireland (Eire) (Ireland NOS, Republic of Ireland)"  
'420' = "Scandinavia"

## Documentation for the Patient Entitlement and Diagnosis Summary File

'421' = "Iceland"  
 '423' = "Norway (Svalbard, Jan Mayen)"  
 '425' = "Denmark, Faroe Islands"  
 '427' = "Sweden"  
 '429' = "Finland"  
 '430' = "Germanic Countries"  
 '431' = "Germany (East and West)"  
 '432' = "Netherlands"  
 '433' = "Belgium"  
 '434' = "Luxembourg"  
 '435' = "Switzerland"  
 '436' = "Austria"  
 '437' = "Liechtenstein"  
 '440' = "Romance-Language Countries"  
 '441' = "France, Corsica, Monaco"  
 '443' = "Spain (Canary Islands, Balearic Islands), Andorra"  
 '445' = "Portugal (Madeira Islands, Azores, Cape Verde Islands)"  
 '447' = "Italy (Sardinia, Sicily), San Marino, Vatican City"  
 '449' = "Romania"  
 '450' = "Slavic Countries"  
 '451' = "Poland"  
 '452' = "Czechoslovakia (former)"  
 '453' = "Yugoslavia (former)"  
 '454' = "Bulgaria"  
 '455' = "Russian SFSR (Russia)"  
 '456' = "Ukraine and Moldavia"  
 '457' = "Byelorussia (Byelorussian SSR, White Russia)"  
 '458' = "Estonian SSR (Estonia)"  
 '459' = "Latvian SSR (Estonia)"  
 '461' = "Lithuania (Lithuanian SSR)"  
 '470' = "Other Mainland Europe"  
 '471' = "Greece"  
 '475' = "Hungary"  
 '481' = "Albania"  
 '485' = "Gibraltar"  
 '490' = "Other Mediterranean Isles"  
 '491' = "Malta"  
 '495' = "Cyprus"  
 '499' = "Europe, NOS (Central, Eastern, Northern, Southern, Western)"  
 '500' = "Africa, NOS (Central, Equatorial)"  
 '510' = "North Africa"  
 '511' = "Morocco"  
 '513' = "Algeria"  
 '515' = "Tunisia"  
 '517' = "Libya (Tripoli, Tripolitania, Cyrenaica)"  
 '519' = "Egypt (United Arab Republic)"  
 '520' = "Sudanese Countries"  
 '530' = "West Africa, NOS (French Africa, NOS)"  
 '531' = "Nigeria"  
 '539' = "Other West African Countries"  
 '540' = "South Africa, NOS"  
 '541' = "Zaire (Congo-Leopoldville, Belgian Congo, Congo/Kinshasa)"  
 '543' = "Angola (Sao Tome, Principe, Cabinda)"  
 '545' = "Republic of South Africa"  
 '547' = "Zimbabwe (Rhodesia, Southern Rhodesia)"  
 '549' = "Zambia (Northern Rhodesia)"  
 '551' = "Malawi (Nyasaland)"  
 '553' = "Mozambique"  
 '555' = "Madagascar (Malagasy Republic)"  
 '570' = "East Africa"  
 '571' = "Tanzania (Tanganyika, Zanzibar)"  
 '573' = "Uganda"  
 '575' = "Kenya"  
 '577' = "Rwanda (Ruanda)"  
 '581' = "Somalia (Somali Republic, Somaliland)"  
 '583' = "Djibouti"

**Documentation for the Patient Entitlement and Diagnosis Summary File**

'585' = "Ethiopia (Abyssinia), Eritrea"  
'580' = "African Coastal Islands (previously in South Africa, NOS)"  
'600' = "Asia, NOS"  
'610' = "Near East"  
'611' = "Turkey"  
'620' = "Asian and Arab Countries"  
'621' = "Syria"  
'623' = "Lebanon"  
'625' = "Jordan (Transjordan) and former Arab Palestine"  
'627' = "Iraq"  
'629' = "Arabian Peninsula"  
'631' = "Israel and former Jewish Palestine"  
'633' = "Caucasian Republics of the USSR"  
'634' = "Other Asian Republics of the USSR"  
'637' = "Iran (Persia)"  
'638' = "Afghanistan"  
'639' = "Pakistan (West Pakistan)"  
'640' = "Mid-East Asia, NOS"  
'641' = "India"  
'643' = "Nepal, Bhutan, Sikkim"  
'645' = "Bangladesh (East Pakistan)"  
'647' = "Ceylon (Sri Lanka)"  
'649' = "Burma"  
'650' = "Southeast Asia"  
'651' = "Thailand (Siam)"  
'660' = "Indochina"  
'661' = "Laos"  
'663' = "Cambodia"  
'665' = "Vietnam (Tonkin, Annam, Cochin China)"  
'671' = "Malasia, Singapore, Brunei"  
'673' = "Indonesia (Dutch East Indies)"  
'675' = "Philippines (Philippine Islands)"  
'680' = "East Asia"  
'681' = "China, NOS"  
'682' = "China (Peoples Republic of China)"  
'683' = "Hong Kong"  
'684' = "Taiwan (Formosa) (Republic of China)"  
'685' = "Tibet"  
'686' = "Macao (Macau)"  
'691' = "Mongolia"  
'693' = "Japan"  
'695' = "Korea (North and South)"  
'711' = "Australia and Australian New Guinea"  
'715' = "New Zealand"  
'720' = "Pacific Islands"  
'721' = "Melanesian Islands, Solomon Islands"  
'723' = "Micronesian Islands"  
'725' = "Polynesian Islands"  
'998' = "Not U.S., but no other information"  
'999' = "Unknown"

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**Documentation for the Patient Entitlement and Diagnosis Summary File**

**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.

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