

Documentation for the Patient Entitlement and Diagnosis Summary File (PEDSF)  
November 9, 2016

FILENAME: pedsf.5percent.txt

LRECL: 2,184

**SEER Cases diagnosed 1973-2013**

**PEDSF File created on October 4, 2016**

**SEER data extracted from November, 2015 SEER Submission**

**ABSTRACT:** The 5% PEDSF file contains one record per person for individuals in the SEER Program data base who have been matched with Medicare enrollment records. These persons are limited to those in the 5% sample (defined by CMS). 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 1991-2015.

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**NOTE1:** With Linkage 2014 PEDSF no longer includes SEER cases from Los Angeles and San Jose from 1988 thru 1991. LA and SJ now include data from 1992 on.

**NOTE2:** For all non-custom requests, patients have been selected if the cancer(s) requested appeared in the site array (siterwho1-10) and the associated year of diagnosis (yrdx1-10) fell in the year of diagnosis window requested.

**NOTE3:** With Linkage 2014 the PEDSF file layout has changed, census data is no longer included on the PEDSF file but will be sent out in separate files for census tract and zipcode census data. Part D information has been limited to only Plan Coverage and Dual Eligible Status information. In addition the SEER information on the PEDSF file has been rearranged to mimic the SEER research file and the site variables is now 5 digits long instead of 2.

**NOTE4:** If you are using old data and link-up the data for **Louisiana** patients using the “oshufcase” it’s important to note that some old IDs are repeated as current IDs for different patients. It is suggested that after patients are matched on “oshufcase” they should use the current shufcase so duplicate IDs won’t lead to different patients.

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
1	Patient ID <b>(patient_id)</b>	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+) 42 = Kentucky (2000+) 43 = Louisiana (2000+) 44 = New Jersey (2000+) 87 = Georgia 88 = California NOTE: Specific California and Georgia registries will be differentiated in the repeated registry codes (starting in column 2202, variables reg1-reg10)
3	Case Number	8	Assigned by IMS	Encrypted SEER Case Number
11	Five Pct Indicator <b>(fivepct)</b>	1	Master File	Indicates inclusion in the 5% Medicare sample. Y = Included N = Not included
12	Match Type <b>(mat_type)</b>	1	Match File	CMSs 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)

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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)
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>mobflg7</b> )	1	Match File	Month of Birth Flag for SSN Match. (See Match Flag 1 for code definition)
20	Match Flag 8 ( <b>midflg8</b> )	1	Match File	Middle Initial Flag for Alpha Match. (See Match Flag 1 for code definition)
21	Number of digits in SSN that matched ( <b>numdigit</b> )	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 ( <b>dod_flg</b> )	1	Created at IMS	Shows the level of agreement between SEER and MEDICARE on the patient's month of death. Dates of death after 12/13 were treated as not dead for comparison purposes. 0 = Not dead by 12/13. 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.
23	Date of Birth Flag ( <b>dob_flg</b> )	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

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
				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 <b>(linkflag)</b>	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 4 = 2012 linkage, earliest claim year is 2002 5 = 2014 linkage, earliest claim year is 2004 6 = 2016 linkage, earliest claim year is 2006
25	Medicare Date of Death <b>(med_dodm,</b> <b>med_dodd,</b> <b>med_dody)</b>	8	EDB	MMDDYYYY or blanks for not dead. Reported to CMS by SSA – not date of last contact. Date complete through 12/31/14
33	Medicare Month of Birth <b>(birthm)</b>	2	EDB	MM, zeroes for invalid
37	Medicare Year of Birth <b>(birthyr)</b>	4	EDB	YYYY, zeroes for invalid
41	Sex <b>(m_sex)</b>	1	EDB	1 = Male 2 = Female
42	Race <b>(race)</b>	1	EDB	1 = White 2 = Black 3 = Other 4 = Asian 5 = Hispanic 6 = N. Am. Native 0 = Unknown
43	Original Reason for Entitlement <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

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
44	Current Reason for Entitlement ( <b>cur_ent</b> )	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	Current Reason for Entitlement Year ( <b>cur_yr</b> )	4	EDB	YYYY
49	Chronic Renal Disease ( <b>chr_esrd</b> )	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.
50	Chronic Renal Disease Year ( <b>chr_esrd_yr</b> )	4	EDB	YYYY
54	First Chronic Renal Disease Year ( <b>first_esrd_yr</b> )	4	EDB	First occurrence of Chronic Renal Disease regardless of age.
58	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  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.
60	Medicare Status Code Year ( <b>medst_yr</b> )	4	EDB	YYYY
64	Valid Date of Death ( <b>vrfydth</b> )	1	EDB	N = No Y = Yes

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
<b><u>Geographic Information</u></b>				
	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.			
65	State ( <b>state</b> )	2	SEER	FIPS State Code
67	County ( <b>county</b> )	3	SEER	FIPS County Code
70	Zip Code ( <b>zip5</b> )	5	EDB	Encrypted Zip code, 5 digits. <b>* Special permission required for unencrypted zip code.</b>
75	Zip Code ( <b>zip4</b> )	4	EDB	Last four digits of zip code. Blanked out when Encrypted Zip code is given. <b>* Special permission required for unencrypted zip code.</b>
79	Census Track 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
80	Census Tract ( <b>tract1990</b> )	6	SEER	1970/80/90 Encrypted census tract <b>* Special permission required for unencrypted census tract.</b>
86	Census Tract 2000 ( <b>tract2000</b> )	6	SEER	2000 encrypted census tract <b>* Special permission required for unencrypted census tract.</b>
92	Census Tract 2010 ( <b>tract2010</b> )	6	SEER	2010 encrypted census tract <b>* Special permission required for unencrypted census tract.</b>
98	HSA ( <b>hsa</b> )	3	ARF	Health Service Area. Taken from the 2004 Area Resource File (ARF).
101	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)
102	Urban/Rural code	2	ARF	01-09, 99 see table at end of this

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<u>COL</u>	<u>FIELD</u>  <b>(urban)</b>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
				document
<b><u>Demographic Information</u></b>				
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.				
104	Sex ( <b>s_sex</b> )	1	SEER	See Attachment A
105	Race Recode B <b>(rac_recb)</b>	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+)
107	Race Recode Y <b>(rac_recy)</b>	1	SEER	See Attachment A
108	Race Recode A <b>(rac_reca)</b>	1	SEER	See Attachment A
109	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
110	Cause of Death ICD -8 or 9 <b>(cod89v)</b>	4	SEER	0000 = Alive at last contact 7777 = State Death Certificate not available. 7797 = Death Certificate available, no COD listed.
114	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 Certificate available, no COD listed.

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
118	Cause of Death to site recode KM ( <b>codkm</b> )	5	SEER	This is a recode based on underlying cause of death to designate cause of death into groups similar to the incidence site recode with KS and mesothelioma. Study cutoff date has been applied, i.e. coded as alive if death occurred after study cutoff. Go to the end of this document for a listing of codes and their definition.
123	Cause of Death to site recode ( <b>codpub</b> )	5	SEER	This recode was introduced to account for several newly valid ICD-10 codes and includes both cancer and non-cancer causes of death. Go to the end of this document for a listing of codes and their definition.
128	NHIA Derived Hispanic Origin ( <b>nhiade</b> )	1	SEER	See Attachment A
129	SEER Month of Death ( <b>ser_dodm</b> )	2	SEER	00 = Alive blank = Unknown month Date complete through 12/31/13
131	SEER Year of Death ( <b>ser_dody</b> )	4	SEER	0000 = Alive 2053 = Unknown year Date complete through 12/31/13
135	Date Flag for Follow Up ( <b>deathflag</b> )	2	SEER	0 = Alive
137	SEER Race/Ethnicity ( <b>srace</b> )	2	SEER	See Attachment A
139	SEER Hispanic Surname ( <b>origin</b> )	1	SEER	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

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
				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 NOTE: codes 1-4 for 1988+, code 7 for 1994+
140	Origin recode NHIA (Hispanic, Non-Hisp) <b>(origrecb)</b>	1	SEER	See Attachment A
141	Filler	1		
142	Vital Status Recode <b>(stat_rec)</b>	1	SEER	See Attachment A
143	Census Tract Certainty <b>(cen_cert)</b>	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
144	Census Tract Certainty 2000 <b>(ctcer2k)</b>	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

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
				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
145	Census Tract Certainty 2010 ( <b>ctcer2010</b> )	1	SEER	Associated with 2010 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 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
146	Census Tract Poverty Indicator ( <b>census_pov_</b> <b>ind</b> )	1	SEER	1 = 0%-<5% poverty 2 = 5% to <10% poverty 3 = 10% to <20% poverty 4 = 20% to 100% poverty 9 = Unknown
147	SEER Year of Birth ( <b>yr_borth</b> )	4	SEER	See Attachment A
151	Date of Birth Flag ( <b>dbrflag</b> )	2	SEER	12 = A proper value is applicable but not known.
153	Number of SEER	2	Created	Number of eligible SEER records. SEER

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	records (count)		at IMS	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.
157	Diagnosis indicator (resnrec)	1	Created at IMS	0 = Last Dx; Patient always less than 65. 1 = First Dx at age 65 or later.
164	Old Encrypted Casenum (oshufcase)	8	IMS	The encrypted case number for Louisiana and Seattle in the 2008 linkage.
172	Filler	53		
<b><u>Repeated Part D Denominator Information</u></b>				
These variables (columns 225-264) are repeated once for every year from 2007 to 2014. (YY = the year of the file, ex. 07)				
225	Plan-Value Indicators (Jan. – Dec.) (planYY_01-planYY_12)	12*1	Part D Denom	12 monthly 1-byte indicators Indicates for each month of the Denominator reference year, the Part D enrollment, which is based on the 1 <sup>st</sup> digit or the Part D contract number.
				Recodes only indicating type of plan; no 5-digit plan numbers. 0 = Not Medicare enrolled for the month * = Enrolled in Medicare A and/or B, but no MIIR record for the month H = Managed Care Organizations other than Regional PPO R = Regional PPO S = PDP N = Not Part D Enrolled E = Employer-sponsored (starting in Jan. 2007)
237	State Reported Dual Eligible Status Code (Jan. – Dec.) (dualYY_01-dualYY_12)	12*2	Part D Denom	12 monthly 2-byte indicators Indicates for each month of the Denominator reference year, the dual eligibility status, if any, for the beneficiary.
				00 = Not Medicare enrolled for the month ** = 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

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>SOURCE</u>	<u>NOTES</u>
				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
261	Plan Coverage Months (ptdYY)	2	Part D Denom	Contains the total number of months of Part D plan coverage for the beneficiary.
				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.
263	Medicaid Dual Eligible Months (dualcntYY)	2	Part D Denom	Contains the total numbers of months of dual eligibility for the beneficiary.
				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, **, NA, or 99.
<b><u>Repeated Entitlement Information</u></b>				
These variables (columns 590-633) are repeated once for every year from 1991 to 2015.				
590	Entitlement Indicators (mon1-mon300)	12*1	EDB	One indicator for each month in the year. 0 = Not entitled 1 = Part A only 2 = Part B only 3 = Part A and B Note: mon1 = 1/1991, mon2 = 2/1991, mon3 = 3/1991 ....mon300 = 12/2015
602	HMO Indicators (gho1- gho300)	12*1	EDB	One indicator for each month in the year. 0 = Not a member of HMO 1 = Non-Lock-in, CMS to process provider claims 2 = Non-Lock-in, GHO to process in-plan Part A & in-area Part B claims 4 = Chronic care disease management

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				organizations-FFS plan 5 = ? A = Lock-in, CMS 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 Note: gho1 = 1/1991, gho2 = 2/1991, gho3 = 3/1991 gho300 = 12/2015
614	State Buy-in Indicator <b>(allflag1-allflag300)</b>	12*1	EDB	One indicator for each month in the year. 0 = Not entitled 1 = Part A only 2 = Part B only 3 = Part A and B Note: allflag1 = 1/1991, allflag2 = 2/1991, allflag3 = 3/1991 ....allflag300 = 12/2015
626	Part A Months <b>(ptacnt1991-ptacnt2015)</b>	2	EDB	Number of months covered for part A in each year covering 1991-2015. 00 = No coverage that year 01-12 = Number of months of coverage
628	Part B Months <b>(ptbcnt1991-ptbcnt2015)</b>	2	EDB	Number of months covered for part B in each year covering 1991-2015. 00 = No coverage that year 01-12 = Number of months of coverage
630	HMO Months <b>(hmocnt1991-hmocnt2015)</b>	2	EDB	Number of months as an HMO Member in each year covering 1991-2015. 00 = No coverage that year 01-12 = Number of months of coverage
632	State Buy-in Months <b>(stbuyin1991-stbuyin2015)</b>	2	EDB	Number of months with state buy-in coverage In each year covering 1991-2015. 00 = No coverage that year 01-12 = Number of months of coverage

**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 1991 to 2015.

1734	Zip Codes (5) <b>(zip5_1991-zip5_2015)</b>	5	EDB	Encrypted Zip code (5 digits) is assigned as the last zip code the patient resided in that year. <b>*Special permission required for unencrypted zip codes.</b>
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1739	Zip Codes (4) <b>(zip4_1991-zip4_2015)</b>	4	EDB	Last 4 digits of zip code. Blanked out when the zip code is encrypted. <b>*Special permission required for unencrypted zip codes.</b>
1743	Registry Code <b>(registry1991-registry2015)</b>	2	EDB	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 47 = Greater Georgia NA = Has not lived in a registry yet <b>NOTE:</b> <b>First registry found is retained until patient moved into a new registry.</b>
1745	Registry Code #2 <b>(reg2cd1991-reg2cd2015)</b>	2	EDB	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 47 = Greater Georgia NA = Other

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<b>NOTE:</b> <b>Registry is based off the state and county, which is the last residence the patient lived at for that year.</b>				
1747	State (state1991- state2015)	2	EDB	State code from EDB file.
1749	County (cnty1991- cnty2015)	3	EDB	County code from EDB file.

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Codes for the variables:

- Cause of Death to site recode KM (codkm)
- Cause of Death to site recode (codpub)

00000 = Alive  
20010 = Lip  
20020 = Tongue  
20030 = Salivary Gland  
20040 = Floor of Mouth  
20050 = Gum and Other Mouth  
20060 = Nasopharynx  
20070 = Tonsil  
20080 = Oropharynx  
20090 = Hypopharynx  
20100 = Other Oral Cavity and Pharynx  
21010 = Esophagus  
21020 = Stomach  
21030 = Small Intestine  
21040 = Colon excluding Rectum  
21050 = Rectum and Rectosigmoid Junction  
21060 = Anus, Anal Canal and Anorectum  
21071 = Liver  
21072 = Intrahepatic Bile Duct  
21080 = Gallbladder  
21090 = Other Biliary  
21100 = Pancreas  
21110 = Retroperitoneum  
21120 = Peritoneum, Omentum and Mesentery  
21130 = Other Digestive Organs  
22010 = Nose, Nasal Cavity and Middle Ear  
22020 = Larynx  
22030 = Lung and Bronchus  
22050 = Pleura  
22060 = Trachea, Mediastinum and Other Respiratory Organs  
23000 = Bones and Joints  
24000 = Soft Tissue including Heart  
25010 = Melanoma of the Skin  
25020 = Other Non-Epithelial Skin  
26000 = Breast  
27010 = Cervix Uteri  
27020 = Corpus Uteri  
27030 = Uterus, NOS  
27040 = Ovary  
27050 = Vagina  
27060 = Vulva  
27070 = Other Female Genital Organs

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28010 = Prostate  
28020 = Testis  
28030 = Penis  
28040 = Other Male Genital Organs  
29010 = Urinary Bladder  
29020 = Kidney and Renal Pelvis  
29030 = Ureter  
29040 = Other Urinary Organs  
30000 = Eye and Orbit  
31010 = Brain and Other Nervous System  
32010 = Thyroid  
32020 = Other Endocrine including Thymus  
33010 = Hodgkin Lymphoma  
33040 = Non-Hodgkin Lymphoma  
34000 = Myeloma  
35011 = Acute Lymphocytic Leukemia  
35012 = Chronic Lymphocytic Leukemia  
35013 = Other Lymphocytic Leukemia  
35021 = Acute Myeloid Leukemia  
35031 = Acute Monocytic Leukemia  
35022 = Chronic Myeloid Leukemia  
35023 = Other Myeloid/Monocytic Leukemia  
35041 = Other Acute Leukemia  
35043 = Aleukemic, Subleukemic and NOS  
36010 = Mesothelioma (ICD-10 only) (not in CODPUB)  
36020 = Kaposi Sarcoma (ICD-10 only) (not in CODPUB)  
37000 = Miscellaneous Malignant Cancer  
38000 = In situ, benign or unknown behavior neoplasm  
50000 = Tuberculosis  
50010 = Syphilis  
50030 = Septicemia  
50040 = Other Infectious and Parasitic Diseases including HIV  
50050 = Diabetes Mellitus  
50051 = Alzheimers (ICD-9 and 10 only)  
50060 = Diseases of Heart  
50070 = Hypertension without Heart Disease  
50080 = Cerebrovascular Diseases  
50090 = Atherosclerosis  
50100 = Aortic Aneurysm and Dissection  
50110 = Other Diseases of Arteries, Arterioles, Capillaries  
50120 = Pneumonia and Influenza  
50130 = Chronic Obstructive Pulmonary Disease and Allied Cond  
50140 = Stomach and Duodenal Ulcers  
50150 = Chronic Liver Disease and Cirrhosis  
50160 = Nephritis, Nephrotic Syndrome and Nephrosis  
50170 = Complications of Pregnancy, Childbirth, Puerperium

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50180 = Congenital Anomalies

50190 = Certain Conditions Originating in Perinatal Period

50200 = Symptoms, Signs and Ill-Defined Conditions

50210 = Accidents and Adverse Effects

50220 = Suicide and Self-Inflicted Injury

50230 = Homicide and Legal Intervention

50300 = Other Cause of Death

41000 = State DC not available or state DC available but no COD

99999 = Unknown/missing/invalid COD

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

**CODE NON METROPOLITAN 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