Tumor Data Structure

NAACCR style Tumor data
Records of Tumors found in CRN site enrollees. Each record is a new tumor. MRN | DxDate (if populated) should define unique records.

Variable Name	Collaborative is comparable	Description	Format	Values	Comments	NAACCR
ICDOsite	Yes	Cancer site (e.g. breast, prostate)	Char(4)	Example: C619	From ICO-O-3. Previous versions converted to ICD-O-3	Stores as ICD-O-3. Also has “primary site current” and “primary site original”
StageGen	Yes Summary Staging provides a measure for cancer surveillance with longitudinal stability for population based cancer registries.	General Stage: 0 = In situ 1 = Localized 2 = Regional by direct extension 3 = Regional to lymph nodes 4 = Regional both direct extension and lymph nodes 5 = Regional, NOS 7 = Distant metastasis 9 = Unstageable, unknown, unspecified B = Benign	Char(1)		Some sites may have a different coding scheme for these - need to assure consistency at the lowest common denominator. Summary Staging can be useful when a series of cases is so small that only general categories produce enough data for meaningful analysis.	This is equivalent to SEER Summary Stage 1977 and SEER Summary Stage 2000 for each time period.
StageAJ	Yes, Derived AJCC stage now	AJCC summary stage or "best AJCC stage"0, 0a, 0is (URINARY TRACT SITES)1, 1A, 1B, 1C, 1S (TESTIS), 1A1, 1A2, 1B1, 1B22, 2A, 2B, 2C, 3, 3A, 3B, 3C4, 4A, 4B, 4C	Char(3)		Site specific schemes apply using the American Joint Commission on Cancer Staging Manual. Versions vary over time (currently on v5).Best AJCC stage refers to the best of clinical or pathological stage, which means that if only clinical stage is available, that is used, but if both clinical and pathological are available, pathological is best. If only pathological stage is available, this is best AJCC.	NAACCR – 3000 collaborative stage algorithm result as CS AJCC derived stage. Note: TNM Path and TNM clin is on NAACCR as individual components
AJCC_Ed	Yes AJCC staging criteria changes over time and is needed to determine initial stage for treatment planning	AJCC Staging Scheme Edition 0 = Not staged 1 = First Edition 2 = Second Edition 3 = Third Edition 4 = Fourth Edition 5 = Fifth Edition 6 = Sixth Edition 8 = Not applicable (no AJCC scheme) 9 = Unknown edition	Char(1)			
Morph	Yes ICDO-2 recoded to ICDO-3 by registry	Morphology/histology (tissue type of cancer)	Char(4)		ICO-O Version 1 - 1976 - 1989Version 2 - 1990 - 2000Version 3 - 2001	Stores morphology in ICD-O-3Also store “morphology current” and “morphology original” and “histology ICD-O-2”

Behav	Yes	Behavior 0 = Benign 1 = Uncertain behavior, low malignancy potential, uncertain malignancy potential l2 = In situ 3 = Malignant, primary site 6 = Metastatic site 9 = Unknown metastatic or primary site	Char(1)		Benign lesions may be included in tumor registry if a "Reportable by Agreement" list exists for that particular site requesting registration of benign tumors of interest to clinicians or researchers. Benign brains included after 2004Rarely or never used (but allowable) are 6 (metastatic site) and 9 (unknown whether primary or metastatic).	OK
Grade	Yes	Histologic grading and differentiation 1 = Well differentiated 2 = Moderately differentiated 3 = Poorly differentiated 4 = Undifferentiated, anaplastic 5 = T-cell 6 = B-cell 7 = Null cell (non T or B cell) 8 = NK cell (natural killer cell) 9 = Grade or differentiation not determined, not stated or not applicable	Char(1)		From ICD-O. This field can be used to denote cell lineage for leukemias and lymphomas. This designation is 5, 6, 7, and 8 and used only for leukemia and lymphoma. May not be comparable at different path labs or over time. Some tumors are reported in 2 grade schemes or 3, or 4. Some site have specific grading systems, i.e. Gleason	OK
DXDate	Yes	Diagnosis date	Numeric(4)	SASdate	SASdate is Julian date. If a valid date is not available (say, the month and year are available, but not the day), a date must be forced to get a SASdate.	OK
DXYear	Yes	Year of diagnosis	Numeric(4)			
DXAge	Yes	Age at diagnosis	Numeric(3)			OK
BDate	Yes	Birth Date	Numeric(4)	SASdate	SASdate is Julian date. If a valid date is not available (say, the month and year are available, but not the day), a date must be forced to get SASdate	OK
Gender	Yes	1 = Male 2 = Female 3 = Other 4 = Transsexual 9 = Unknown	Char(1)		use 1,2,etc. vs. M, F, T, O, U	OK

Race1	Yes Additional races were added in at different times may not be backward comparable	01 = White 02 = Black 03 = Am Indian 04 = Chinese 05 = Japanese 06 = Filipino 07 = Hawaiian 08 = Korean 09 = Asian Indn 10 = Vietnamese 11 = Laotian 12 = Hmong 13 = Kampuchean 14 = Thai 20 = Micronesian 21 = Chamorran 22 = Guamanian 25 = Polynesian 26 = Tahitian 27 = Samoan 28 = Tongan 30 = Melanesian 31 = Fiji Islander 32 = New Guinean9 6 = Other Asian 97 = Pacific Islander 98 = Other 99 = Unknown	Char(2)		These are SEER race classifications	5 fields for race in NACCR to record multiple ethnicity. See also: RACE2 RACE3 RACE4 RACE5
Race2	Yes see race1	See Race1	Char(2)			
Race3	Yes see race1	See Race1	Char(2)			
Race4	Yes see race1	See Race1	Char(2)			
Race5	Yes see race1	See Race1	Char(2)			
Hispanic	Yes	Hispanic or Spanish Origin/Ethnicity 0 = Non-Spanish 1 = Mexican 2 = Puerto Rican 3 = Cuban 4 = South/Central American 5 = Other Spanish 6 = Spanish, NOS 7 = Spanish Surname only 9 = Unknown	Char(1)		These are SEER classifications	NACCR has this field + 2 additional fields for ethnicity “computed ethnicity” and “computed ethnicity source”

Class	Yes	Class of case (analytic vs. non-analytic) 0 = 1st diagnosed at your hospital (reporting institution) since reference date and all 1st treatment elsewhere (ANALYTIC) 1 = 1st diagnosed at reporting institution since reference date and all or part of 1st treatment at your hospital (ANALYTIC) 2 = 1st diagnosed elsewhere and all or part of 1st treatment at your hospital (ANALYTIC) 3 = 1st diagnosed and all 1st treatment elsewhere (NON-ANALYTIC) 4 = 1st diagnosed and 1st at your hospital (reporting institution) before reference date (NON-ANALYTIC) 5 = 1st diagnosed at autopsy (NON-ANALYTIC) 6 = diagnosed and all 1st treatment in staff MD office (HUH?) (ANALYTIC) 8 = diagnosed by death certificate only (NON-ANALYTIC) 9 = unknown (NON-ANALYTIC) X = accession only (NON-ANALYTIC UNTIL DETERMINED OTHERWISE)	Char(1)		We have two variables - this one (as listed) for class and Analytic (0,1).See variable Analytic below	OK
Analytic	Yes Homegrown coding	Based on Class coding above	Char(1)		0 – non-analytic 1 - analytic	
Sequence	Yes	Tumor sequence (order in which patients with multiple cancers are diagnosed)	Char(3)			OK
Vital	Yes	Vital status	Char(1)		1 = Alive (not known dead) 2 = Deceased	OK
Dcause	Yes	Cause of death for expired patients	Char(6)		Problem with variable sources of data (death certificate cause of death vs. unofficial notation in record). Variable coding schemes may be used depending on source (ICD9, ICD10, homegrown)	OK
DOD	Yes	Date of death	Numeric(4)	SASdate	SASdate is Julian date. If a valid date is not available (say, the month and year are available, but not the day), a date must be forced to get SASdate. This is date of last contact for expired pts	OK

Laterality	Yes	Laterality of primary site for paired organs (e.g. breast) 0 = Not a paired site 1 = Right 2 = Left 3 = Only one involved, unspecified R/L 4 = Bilateral 9 = Paired site, laterality unknown; midline	Alpha (1)			OK
IDPlan	Yes Homegrown coding	Health Plan ID	Char(2)		Standard codes for CRN site (see website)	
MRN	Yes Homegrown coding	Medical Record Number	Character. Length unique to each HMO		Unique Patient Identifier. Must be coded consistently within a site to allow tables to linked by individual.	
DCNFRM	Yes	Diagnostic confirmation -method used to diagnosis cancer (this is hierarchical) 1 = Positive histology 2 = Positive cytology, no positive histology 4 = Positive microscopic confirmation, NOS 5 = Positive lab test/marker 6 = Direct visual w/o microscopic confirmation 7 = Radiography w/o microscopic confirmation 8 = Clinical diagnosis only (other than 5,6,7) 9 = Unknown whether microscopically confirmed	Char(1)			OK
DSTZ	Yes CS tumor size	Tumor size – size of largest dimension of primary lesion in centimeters – except for skin melanoma which records depth of lesion in centimeters	Numeric(4)	xx.x	Melanomas depth of invasion in mm	
DAJC1T_P	Yes	T - AJCC pathological staging for tumor	Char(5)		Same version issue (versions change over time) as with AJCC stage AJCC TNM staging provides forward flexibility and clinical utility for individual cancer cases. TNM is dynamic and is changed periodically to meet the decision-making needs of clinicians regarding appropriate treatment methods and the evaluation of their results. NAACCR may store as 2 but display as 5	OK
DAJC1N_P	Yes	N – AJCC pathological staging for lymph nodes	Char(5)		Same version issue as with AJCC stage	OK

DAJC1M_p	Yes	M – AJCC pathological staging for metastasis	Char(5)		Same version issue as with AJCC stage	OK
DAJC1T_C	Yes	T - AJCC clinical staging for tumor	Char(5)		Same version issue (versions change over time) as with AJCC stage	OK
DAJC1N_C	Yes	N – AJCC clinical staging for lymph nodes	Char(5)		Same version issue as with AJCC stage	OK
DAJC1M_C	Yes	M – AJCC clinical staging for metastasis	Char(5)		Same version issue as with AJCC stage	OK
DSRG_FAC	Yes	1st course of surgical treatment at this facility – see primary site-specific coding from SEER	Char(2)			
DRAD_FAC	Yes	1st course of radiation treatment (this facility) 00 = No radiation 01 = Beam radiation 02 = Radioactive implants 03 = Radioisotopes 04 = Combination beam radiation with radioactive implants or isotopes 05 = Radiation therapy, NOS 09 = Unknown if radiation therapy recommended or performed	Char(2)			

<table>
<tr>
<td>DBCN_FAC</td>
<td>Not part of routine care for leukemias or lung any more. Not recorded since 1995Recommend to drop this field</td>
<td>1st course of radiation treatment to brain and central nervous system (this facility)
00 = No radiation to brain or CNS
01 = Radiation therapy
07 = Pt refused radiation therapy
08 = Radiation therapy recommended, unknown if administered
09 = Unknown</td>
<td>Char(2)</td>
<td></td>
<td>RX SUMM--RAD TO CNSREGISTRY PLUS ONLINE HELPNAACCR Standards for Cancer Registries Volume II: Data Standards and Data Dictionary Source: NAACCR Standards for Cancer Registries Volume II: Data Standards and Data Dictionary, Eighth Edition, 03/2003DescriptionFor lung and leukemia cases only, codes for radiation given to the brain or central nervous system. Includes treatment given at all facilities as part of the first course. See Chapter V, Unresolved Issues, for more information. Note: SEER does not collect this data item beginning with 1998 cases. They retain the codes for older cases in this field, and they have also recoded radiation coded here as radiation in item 1360 (RX Summ--

Radiation). COC does not collect this data item beginning with 1996 cases. Codes For Lung and Leukemia Cases only:
<table><tr><th>Alternate Name</th><th>Item #</th><th>Length</th><th>Source of Standard</th><th>Column #</th></tr><tr><td>Radiation Therapy to CNS (COC) Radiation to the Brain and/or Central Nervous System (SEER)</td><td>1370</td><td>1</td><td>SEER/ COC</td><td>874-874For all other cases (primaries other than lung or leukemia):</td></tr></table>
0 No radiation to the brain and/or central nervous system
1 Radiation
7 Patient or patient’s guardian refused
8 Radiation recommended, unknown if administered
9 Unknown
§CoC ROADS entry available</td>
<td>OK</td>
</tr>
</table>

DCHM_FAC	Yes	1st course of chemotherapy at this facility 00 = No chemotherapy 01 = Chemotherapy, NOS 02 = Chemotherapy, single agent 03 = Chemotherapy, multiple agents (combination regimen) 82 = Chemo not administered due to contraindications 85 = Pt died prior to planned therapy 86 = Chemo recommended, but not rec'd--reason unknown 87 = Chemo recommended, but refused 88 = Chemo recommended, unknown if rec'd 99 = Unknown if recommended or rec'd	Char(2)			OK
DHRM_FAC	Yes	1st course of hormone therapy at this facility 00 = No hormone 01 = Hormone therapy including NOS and antihormones) 02 = Endocrine surgery and/or radiation therapy (if cancer at another site) 03 = Combination of 1 and 2 09 = Unknown if hormone therapy recommended or administered (death certification only cases)	Char(2)			OK
DIMM_FAC	Yes	1st course of immunotherapy at this facility 00 = No biological response modifier therapy 01 = Biological response modifier 02 = Bone marrow transplant – autologous 03 = Bone marrow transplant – allogeneic 04 = Bone marrow transplant, NOS 05 = Stem cell transplant 06 = Combination of 1 AND 2,3,4 or 5 07 = Patient or patient's guardian refused 08 = Biological response modifier therapy recommended, unknown if administered 09 = Unknown if biological response modifier therapy recommended or administered	Char(2)			OK

DOTH_FAC	Yes	1st course of any other treatment at this facility 00 = No other cancer-directed therapy, except as coded elsewhere 01 = Other cancer-directed therapy 02 = Other Experimental cancer-directed therapy (not included elsewhere) 03 = Double-Blind study, code not yet broken 06 = Unproven therapy 07 = Patient or patient's guardian refused codes 1-3 08 = Other cancer-directed therapy recommended, unknown if administered 09 = Unknown if other cancer-directed therapy recommended or administered	Char(2)			
DNDI	Yes CS regional nodes positive	Regional lymph nodes positive 00 = All nodes examined negative 01 = One positive node 02 = Two positive nodes… subsequent number of positive nodes 97 = 97 or more positive nodes 98 = No nodes examined 99 = Unknown is nodes positive or negative, not applicable	Char(2)			
DNDX	Yes CS regional nodes examined	Regional lymph nodes examined 00 = No nodes examined 01 = One node examined 02 = Two nodes examined… subsequent number of nodes examined 97 = 97 or more nodes examined 98 = Nodes examined but number not specified 99 = Unknown if nodes examined, not applicable	Char(2))			OK

DTMRK1	Yes	Tumor Marker One 0 = Not done 1 = Positive 2 = Negative 3 = Borderline Three tiered system (testis only) 4 = Range 1 (<1,000 ng/ml) 5 = Range 2 (1,000-10,000 ng/ml) 6 = Range 3 (>10,000 ng/ml) 8 = Ordered, results unknown 9 = Unknown/no information	Char(1)		Tumor markers records prognostic indicators for specific sites or histologies. Valid through 2003. After 2003 use the SSF variables. Breast (C50.0-C50.9) Estrogen Receptor Assay (ERA) Colorectal (C18.0-18.9, C19.9, C20.9) Carcinoembryonic Antigen (CEA) Liver (C22.0, C22.1) Alpha Fetoprotein (AFP) Neuroblastoma (9500/3) Urine catecholamine Ovary (C56.9) Carbohydrate Antigen 125 (CA 125) Prostate (C61.9) Acid Phosphatase (PAP) Testis (C62.0, C62.1, C62.9) Alpha Fetoprotein (AFP)	OK
DTMRK2	Yes	See Tumor Marker 1	Char(1)		Valid through 2003. After 2003 use the SSF variables. Breast (C50.0-C50.9) Progesterone Receptor Assay (PRA) Prostate (C61.9) Prostatic Specific Antigen (PSA) Testis (C62.0, C62.1, C62.9) Human chorionic gonadotropin (hCG)	OK
DTMRK3	Yes	See Tumor Marker 1	Char(1)		Valid through 2003. After 2003 use the SSF variables. Testis (C62.0, C62.1, C62.9) LDH	
CLN_STG	Yes	TNM Clin Stage Group (if available)	Char(2)			
EOD	Yes	Extent of Disease	Char(12)		SEER EOD is a five-field, 10 digit system: tumor size (3 digits), extension of the primary tumor (2 digits), regional lymph node involvement (highest specific lymph node chain involved by tumor) (1 digit), the number of pathologically reviewed regional lymph nodes that are positive (2 digits), and the number of pathologically examined regional lymph nodes (2 digits). Field parsed to separate variable (ie., DSTZ, DNDI, DNDX)	
DT_SURG	Yes	Date Definitive Surgery First Performed	numeric(4)	SASdate		
DT_CHEMO	Yes	Date chemotherapy started	numeric(4)	SASdate		
DT_HORM	Yes	Date hormone therapy started	numeric(4)	SASdate		
DT_RAD	Yes	Date radiation therapy started	numeric(4)	SASdate		
DT_BRM	Yes	Date immunotherapy started	numeric(4)	SASdate		
DT_OTH	Yes	Date other therapy started	numeric(4)	SASdate		
R_N_SURG	Yes	Reason no Surgery First Performed	Char(1)			

R_N_CHEMO	Yes	Reason no chemotherapy started 00 = No chemotherapy 01 = Chemotherapy, NOS 02 = Chemotherapy, single agent 03 = Chemotherapy, multiple agents (combination regimen) 82 = Chemo not administered due to contraindications 85 = Pt died prior to planned therapy 86 = Chemo recommended, but not rec'd--reason unknown 87 = Chemo recommended, but refused 88 = Chemo recommended, unknown if rec'd 99 = Unknown if recommended or rec'd	Char(1)			
R_N_HORM	Yes	Reason no hormone therapy started	Char(1)			
R_N_RAD	Yes	Reason no radiation therapy started	Char(1)			
R_N_BRM	Yes	Reason no immunotherapy started	Char(1)			
R_N_OTH	Yes	Reason no other therapy started	Char(1)			
DSRG_SUM	Yes	1st course of surgical treatment at this (any facility) – see primary site-specific coding from SEER	Char(2)			
DRAD_SUM	Yes	1st course of radiation treatment (any facility) 00 = No radiation 01 = Beam radiation 02 = Radioactive implants 03 = Radioisotopes 04 = Combination beam radiation with radioactive implants or isotopes 05 = Radiation therapy, NOS 09 = Unknown if radiation therapy recommended or performed	Char(2)			
DBCN_SUM	Not part of routine care for leukemias or lung any more. Not recorded since 1995Recommend to drop this field	1st course of radiation treatment to brain and central nervous system (any facility) 00 = No radiation to brain or CNS 01 = Radiation therapy 07 = Pt refused radiation therapy 08 = Radiation therapy recommended, unknown if administered 09 = Unknown	Char(2)		See DBCN_FAC	

DCHM_SUM	Yes	1st course of chemotherapy at any facility 00 = No chemotherapy 01 = Chemotherapy, NOS 02 = Chemotherapy, single agent 03 = Chemotherapy, multiple agents (combination regimen) 09 = Unknown if chemotherapy was administered	Char(2)			
DHRM_SUM	Yes	1st course of hormone therapy at any facility 00 = No hormone 01 = Hormone therapy including NOS and antihormones) 02 = Endocrine surgery and/or radiation therapy (if cancer at another site) 03 = Combination of1 and 2 09 = Unknown if hormone therapy recommended or administered (death certification only cases)	Char(2)			
DIMM_SUM	Yes	1st course of immunotherapy at any facility 00 = No biological response modifier therapy 01 = Biological response modifier 02 = Bone marrow transplant – autologous 03 = Bone marrow transplant – allogeneic 04 = Bone marrow transplant, NOS 05 = Stem cell transplant 06 = Combination of 1 AND 2,3,4 or 5 07 = Patient or patient's guardian refused 08 = Biological response modifier therapy recommended, unknown if administered 09 = Unknown if biological response modifier therapy recommended or administered	Char(2)			

DOTH_SUM	Yes	1st course of any other treatment at any facility 00 = No other cancer-directed therapy, except as coded elsewhere 01 = Other cancer-directed therapy 02 = Other Experimental cancer-directed therapy (not included elsewhere) 03 = Double-Blind study, code not yet broken 06 = Unproven therapy 07 = Patient or patient's guardian refused codes 1-3 08 = Other cancer-directed therapy recommended, unknown if administered 09 = Unknown if other cancer-directed therapy recommended or administered	Char(2)			
		NEW ADDITIONS FOR COLLABORATIVE STAGE				
CS_SZ		Maximum diameter in millimeters (for example: 1 mm = 001, 1 cm = 010)	char(3)	000-999	This item belongs to the set of Collaborative Staging (CS) data items effective with 2004 diagnosis. It is based on and replaces EOD--Tumor Size [780].	
CS_EXT		Site-specific codes provide extensive detail describing disease extent	char(2)		Collaborative Staging (CS) data items effective with 2004 diagnoses. It is based on and replaces EOD--Extension (790) and EOD--Extension Prost Path (800).	
CS_NODES		Record the specific regional lymph node chain farthest from the primary site that is involved by tumor either clinically or pathologically. Regional lymph nodes are listed for each site/histology.	char(2)		Collaborative Staging (CS) data items effective with 2004 diagnosis. It is based on and replaces EOD--Lymph Node Involv [810]. This modification for CS is collapsible into AJCC N code according to the Sixth Edition of AJCC Cancer Staging Manual. "CS Lymph Nodes" is site-specific and identifies the regional lymph nodes involved with cancer at the time of diagnosis.	

CS_NODES_EVAL		Records how the code for CS Lymph Nodes (NAACCR Item #2830) was determined, based on the diagnostic methods employed.	char(1)	Allowable Values: 0-3, 5, 6, 8, 9		
CS_METS		Site-specific codes provide extensive detail describing disease extent. "CS Mets at DX"	char(2)			
CS_METS_EVAL		CS to identify whether the M (of AJCC TNM) was clinically or pathologically diagnosed and by what method.				
SSF1		Site specific factor 1	char(3)	000-999	See Tumor Marker variables for 2003 and prior. For coding see site specific information in http://seer.cancer.gov/manuals/SPM_AppendixC_Part3.pdf Breast CS Site-Specific Factor 1 Estrogen Receptor Assay (ERA) Code Description 000 Test not done (test was not ordered and was not performed) 010 Positive/elevated 020 Negative/normal; within normal limits 030 Borderline; undetermined whether positive or negative 080 Ordered, but results not in chart 999 Unknown or no information Not documented in patient record	
SSF2		Site specific factor 2	char(3)	000-999	Note: 888 = missing	
SSF3		Site specific factor 3	char(3)	000-999	Note: 888 = missing	
SSF4		Site specific factor 4	char(3)	000-999	Note: 888 = missing	
SSF5		Site specific factor 5	char(3)	000-999	Note: 888 = missing	
SSF6		Site specific factor 6	char(3)	000-999	Note: 888 = missing	
DER_T		Derived AJCC T	char(2)			
DER_T_D		Derived AJCC T description	char(1)	c, p, a, y, N, O		
DER_N		Derived AJCC N	char(2)			
DER_N_D		Derived AJCC N description	char(1)	c, p, a, y, N, O		
DER_M		Derived AJCC M	char(2)			
DER_M_D		Derived AJCC M description	char(1)	c, p, a, y, N, O		

DER_SS2000F		Describes summary stage 2000	char(1)		1=derived from site specific factors 2= derived from EOD(prior to 2004) Blank = not derived	
PAL_FAC		Palliative care at this facility			Code Definition 0 No palliative care provided. Diagnosed at autopsy. 1 Surgery (which may involve a bypass procedure) to alleviate symptoms, but no attempt to diagnose, stage, or treat the primary tumor is made. 2 Radiation therapy to alleviate symptoms, but no attempt to diagnose, stage, or treat the primary tumor is made. 3 Chemotherapy, hormone therapy, or other systemic drugs to alleviate symptoms, but no attempt to diagnose, stage, or treat the primary tumor is made. 4 Patient received or was referred for pain management therapy with no other palliative care. 5 Any combination of codes 1, 2, and/or 3 without code 4. 6 Any combination of codes 1, 2, and/or 3 with code 4. 7 Palliative care was performed or referred, but no information on the type of procedure is available in patient record. Palliative care was provided that does not fit the descriptions for codes 1-6. 9 It is unknown if palliative care	

PAL_SUM		Palliative care at all facilities			Code Definition 0 No palliative care provided. 1 Diagnosed at autopsy. 2 Surgery (which may involve a bypass procedure) to alleviate symptoms, but no attempt to diagnose, stage, or treat the primary tumor is made. 3 Radiation therapy to alleviate symptoms, but no attempt to diagnose, stage, or treat the primary tumor is made. 4 Chemotherapy, hormone therapy, or other systemic drugs to alleviate symptoms, but no attempt to diagnose, stage, or treat the primary tumor is made. 5 Patient received or was referred for pain management therapy with no other palliative care. 6 Any combination of codes 1, 2, and/or 3 without code 4. 7 Any combination of codes 1, 2, and/or 3 with code 4. 9 Palliative care was performed or referred, but no information on the type of procedure is available in patient record. Palliative care was provided that does not fit the descriptions for codes 1-6. It is unknown if palliative care	

Site Progress

The Tumor Registries are set up in NAACCR format. 9 of the 11 CRN sites have Tumor Registries.

HMO	Tumor Registry Comments	Date Data Start
GHC	SEER based – receive data monthly from the Puget Sound SEER	1974
HPHC	Has Tumor data on Harvard Vanguard patients	1997-2006
HPRF	No Tumor Registry. Negotiating the state tumor registry (July 2004)	
HFHS	SEER based – based on information submitted to SEER	1972
Fallon	No Tumor Registry. Negotiating with state tumor registry (July 2004)	
KPNC	SEER based – based on information submitted to SEER	1973
KPNW	Based on local tumor registry modeled on SEER	1960
KPSC	SEER based – based on information submitted to SEER	1988
KPCO	Based on local tumor registry	1987
KPH	SEER based – receives data from Hawaii SEER	1960
KPG	SEER based – receives data from Atlanta SEER	1995

Macros

BreastCancerDefinition01(StartDt, EndDt, OutSet, TumDat)