CANCER REPORTING IN CALIFORNIA: ABSTRACTING AND CODING PROCEDURES FOR HOSPITALS
California Cancer Reporting System Standards, Volume I

SUMMARY OF YEAR 2018 DATA CHANGES

This document provides a summary of data changes for 2018 for hospitals, abstracting vendors, and regional registry data collectors. The updated Volume I for 2018 will be available as soon as possible, after receiving standard setter requirements and documentation. This document is divided into sections – Additions (New Data Items), Changes (Revised Data Items), Retired (Retired Data Items), and Additional Updates (other Volume I related items for cases diagnosed January 1, 2018 and forward).

NAACCR ADDITIONS (New Data Items):
There are 223 data items that are new for Standards Volume II, Version 18 as follows:
- 137 Site Specific Data Items (SSDIs)
- 32 Staging Data Items:
  - 18 AJCC TNM Items
  - 4 Derived EOD Stage Items *(Central Registry use only)*
  - 3 Directly assigned EOD Items *(located in the revisions section of this document because they existed in the Standards Volume II, version 16; however not implemented until 2018)*
  - 1 Summary Stage 2018 *(located in the revisions section of this document because it existed in the Standards Volume II, version 16; however not implemented until 2018)*
  - 2 Lymph Node Date Field Items
  - 2 Lymph Node Date Flag Items
  - 2 Sentinel Lymph Node Items (positive/examined)
- 24 First Course Treatment Data Items for CoC facilities associated with radiation
- 16 Demographic Data Items
- 6 Follow-up/Recurrence/Death related Data Items
- 6 Edit Override/Conversion History/System Admin Data Items
- 2 Confidential Data Items

Details of the above new data fields are outlined below:

Demographics

Census Block Group 2020   **NAACCR Item #361**
Field Length: 1 character   **Source of Standard: NAACCR**
A non-hierarchical item for coding the Block Group of a patient's residence at the time of diagnosis, as defined by the 2020 Census. *(Central Registry use only)*

Census Tract Certainty 2020   **NAACCR Item #369**
Field Length: 1 character   **Source of Standard: NAACCR**
Indicates basis of census tract assignment for an individual record. Central registry staff assign the code based on results of geocoding. *(Central Registry use only)*

Census Tract 2020   **NAACCR Item #125**

Field Length: 6 characters   **Source of Standard: NAACCR**

Identifies the patient's census tract of residence at the time the tumor was diagnosed. This data item is a derived (geocoded) variable based on the Census Boundary files from the 2020. *(Central Registry use only)*

County at Dx Analysis   **NAACCR Item #89**

Field Length: 3 characters   **Source of Standard: NAACCR**

Identifies the patient's county of residence at the time the tumor was diagnosed. This data item is derived and is to be used for county and county-based rates and analysis for all cases regardless of year of diagnosis. *(Central Registry use only)*

GeoLocationID – 1970/80/90   **NAACCR Item #351**
GeoLocationID – 2000   **NAACCR Item #352**
GeoLocationID – 2010   **NAACCR Item #353**
GeoLocationID – 2020   **NAACCR Item #354**

Field Length: 12 characters   **Source of Standard: NAACCR**

Each of these data items are a concentration of state, county, tract and block group. The codes are primarily derived through the geocoding process. *(Central Registry use only)*

RUCA 2000   **NAACCR Item #339**
RUCA 2010   **NAACCR Item #341**

Field Length: 1 character   **Source of Standard: NAACCR**

These derived data items measure how accessible to an urban center a cancer patient's census tract and diagnosis is based on the USDA identification of urban and rural commuting areas. *(Central Registry use only)*

State at DX Geocode 1970/80/90   **NAACCR Item #81**
State at DX Geocode 2000   **NAACCR Item #82**
State at DX Geocode 2010   **NAACCR Item #83**
State at DX Geocode 2020   **NAACCR Item #84**

Field Length: 2 characters   **Source of Standard: NAACCR**

Each of these data items are for coding the state of the patient's residence at the time the tumor was diagnosed. This data item is a derived (geocoded) variable based on the Census Boundary files from each Decennial Census items above. *(Central Registry use only)*

URIC 2000   **NAACCR Item #345**
URIC 2010   **NAACCR Item #346**

Field Length: 1 character   **Source of Standard: NAACCR**

These data items are a measure how urban a cancer patient's census tract at diagnosis is based on the Census Bureau's identification of urban and rural areas which are already collected at the county-level). The codes are primarily derived through the call for data. *(Central Registry use only)*

Patient-Confidential

Medicare Beneficiary Identifier   NAACCR Item #2315
Field Length: 11 characters   **Source of Standard: NAACCR**

The Medicare Beneficiary Identifier (MBI) will be replacing the existing Medicare Health Insurance Claim Numbers. This is due to Congress passing the Medicare Access and CHIP Reauthorization ACT to remove Social Security Number (SSN) from Medicare ID cards. The MBI will be a randomly generated identifier that will not include a SSN or any personal identifiable information. The collection of the MBI should not change how registries collect SSN.

Codes (in addition to MBI)

Blank   Not Available, Non-Medicare Patient, Not Applicable, or Unknown

Other-Confidential

EHR Reporting   NAACCR Item #2508
Field Length: 1000 characters   **Source of Standard: NAACCR**

This data item ensures that cancer case reports transmitted from electronic health records (EHR) in HL7 CDA (Clinical Document Architecture) format must adhere to specific requirements defined by the Implementation Guide (IG) which has been adopted by the by the Office of National Coordinator for Health Information Technology. This field will allow central cancer registries to collect information from the EHR and map these data into the NAACCR record layout. The information will be included in the central registry database and be available to enhance surveillance data. *(Central Registry use only)*

Stage

AJCC ID   NAACCR Item #995
Field Length: 4 characters   **Source of Standard: NAACCR**

The values for this data item are derived primarily form the site/histology code fields as well as other data items as required. The AJCC ID values are based on the chapters of the AJCC Staging Manual. *(Central Registry use only)*

AJCC TNM Clin T   NAACCR Item #1001
AJCC TNM Clin N   NAACCR Item #1002
AJCC TNM Clin M   NAACCR Item #1003
Field Length: 15 characters   **Source of Standard: AJCC**

These AJCC TNM clinical staging data items are for capturing detailed site-specific codes as defined by the current AJCC edition.

Codes (in addition to those published in the AJCC Cancer Staging Manual)

88   Not applicable, no code assigned for this case in the current AJCC Staging Manual
Blank   Information not available to code this item

AJCC TNM Clin N Suffix — NAACCR Item #1034
Field Length: 4 characters · **Source of Standard: AJCC**

Detailed site-specific codes for the clinical N category suffix as defined by AJCC.

Codes

(sn)	Sentinel node procedure with or without FNA or core needle biopsy
(f)	FNA or core needle biopsy only
Blank	No suffix needed or appropriate; not recorded

AJCC TNM Clin T Suffix — NAACCR Item #1031
Field Length: 4 characters · **Source of Standard: AJCC**

Detailed site-specific codes for the clinical T category suffix as defined by AJCC.

Codes (as published in the AJCC Cancer Staging Manual)

(m)	Multiple synchronous tumors OR for thyroid differentiated as anaplastic only, Multifocal tumor
(s)	For thyroid differentiated and anaplastic only, Solitary tumor
Blank	No information available; not recorded

AJCC TNM Clin Stage Group — NAACCR Item #1004
Field Length: 15 characters · **Source of Standard: AJCC**

Detailed site-specific codes for the clinical stage group as defined by the current AJCC edition.

Codes (in addition to those published in the AJCC Cancer Staging Manual)

88	Not applicable, no code assigned for this case in the current AJCC Staging Manual
99	Unknown, not staged

AJCC TNM Path T — NAACCR Item #1011
AJCC TNM Path N — NAACCR Item #1012
AJCC TNM Path M — NAACCR Item #1013
Field Length: 15 characters · **Source of Standard: AJCC**

These AJCC TNM pathologic staging data items are for capturing detailed site-specific codes as defined by the current AJCC edition.

Codes (in addition to those published in the AJCC Cancer Staging Manual)

88	Not applicable, no code assigned for this case in the current AJCC Staging Manual
Blank	Information not available to code this item

AJCC TNM Path N Suffix — NAACCR Item #1035
Field Length: 4 characters · **Source of Standard: AJCC**

Detailed site-specific codes for the pathological N category suffix as defined by AJCC.

Codes

(sn)	Sentinel node procedure without resection of nodal basin
(f)	FNA or core needle biopsy without resection of nodal basin
Blank	No suffix needed or appropriate; not recorded

AJCC TNM Path T Suffix   NAACCR Item #1032
Field Length: 4 characters   **Source of Standard: AJCC**

Detailed site-specific codes for the pathological T category suffix as defined by AJCC.

Codes (as published in the AJCC Cancer Staging Manual)

(m)	Multiple synchronous tumors OR for thyroid differentiated as anaplastic only, Multifocal tumor
(s)	For thyroid differentiated and anaplastic only, Solitary tumor
Blank	No information available; not recorded

AJCC TNM Path Stage Group   NAACCR Item #1014
Field Length: 15 characters   **Source of Standard: AJCC**

Detailed site-specific codes for the pathologic stage group as defined by the current AJCC edition.

Codes (in addition to those published in the AJCC Cancer Staging Manual)

88	Not applicable, no code assigned for this case in the current AJCC Staging Manual
99	Unknown, not staged

AJCC TNM Post Therapy T   NAACCR Item #1021
AJCC TNM Post Therapy N   NAACCR Item #1022
AJCC TNM Post Therapy M   NAACCR Item #1023
Field Length: 15 characters   **Source of Standard: AJCC**

These AJCC TNM postneoadjuvant therapy staging data items are for capturing detailed site-specific codes as defined by the current AJCC edition.

Codes (in addition to those published in the AJCC Cancer Staging Manual)

88	Not applicable, no code assigned for this case in the current AJCC Staging Manual
Blank	This field is left blank if no information at all is available to code this item

AJCC TNM Post Therapy N Suffix   NAACCR Item #1036
Field Length: 4 characters   **Source of Standard: AJCC**

Detailed site-specific codes for the postneoadjuvant therapy N category suffix as defined by AJCC.

Codes

(sn)	Sentinel node procedure without resection of nodal basin
(f)	FNA or core needle biopsy without resection of nodal basin
Blank	No suffix needed or appropriate; not recorded

AJCC TNM Post Therapy T Suffix   NAACCR Item #1033
Field Length: 4 characters   **Source of Standard: AJCC**

Detailed site-specific codes for the postneoadjuvant therapy T category suffix as defined by AJCC.

Codes (as published in the AJCC Cancer Staging Manual)

(m)	Multiple synchronous tumors OR for thyroid differentiated as anaplastic only, Multifocal tumor
(s)	For thyroid differentiated and anaplastic only, Solitary tumor
Blank	No information available; not recorded

AJCC TNM Post Therapy Stage Group   **NAACCR Item #1024**

Field Length: 15 characters   **Source of Standard: AJCC**

Detailed site-specific codes for the postneoadjuvant therapy stage group as defined by the current AJCC edition.

Codes (in addition to those published in the AJCC Cancer Staging Manual)

88	Not applicable, no code assigned for this case in the current AJCC Staging Manual
99	Unknown, not staged

Date Regional Lymph Node Dissection   **NAACCR Item #682**

Date of Sentinel Lymph Node Biopsy   **NAACCR Item #832**

Field Length: 8 characters   **Source of Standard: NAACCR**

These two date fields (CCYYMMDD, CCYYMM, or CCYY) are for recording the Date Regional Lymph Node dissection (date non-sentinel node dissection) was performed and the Date of Sentinel Lymph Node Biopsy (date sentinel lymph node(s) biopsy) was performed. They are required by CoC-accredited facilities, beginning with cases diagnosed 1/1/2018.

Date Regional Lymph Node Dissection Flag   **NAACCR Item #683**

Date Sentinel Lymph Node Biopsy Flag   **NAACCR Item #833**

Field Length: 2 characters   **Source of Standard: NAACCR**

These flags explain why there is no appropriate value in the corresponding data items. They are required by CoC-accredited, beginning with cases diagnosed 1/1/2018.

Codes

10	No information whatsoever can be inferred from this exceptional value (that is, unknown if performed)
11	No proper value is applicable in this context was performed; autopsy only cases
12	A proper valid value is applicable but not known. This event occurred, but the date is unknown
Blank	A valid date is provided in items Date of Regional Lymph Node Dissection and/or Date Sentinel Lymph Node Biopsy. Case was diagnosed prior to January 1, 2018.

Derived EOD 2018 T   **NAACCR Item #785**

Derived EOD 2018 N   **NAACCR Item #815**

Derived EOD 2018 M   **NAACCR Item #795**

Field Length: 15 characters   **Source of Standard: SEER**

These items store the derived EOD 2018 staging elements from coded fields using the EOD algorithm. They are effective beginning with cases diagnosed 1/1/2018. *(Central Registry use only)*

Derived EOD 2018 Stage Group   **NAACCR Item #818**

Field Length: 15 characters   **Source of Standard: SEER**

Derived EOD 2018 Stage Group is derived using the EOD data collection system (EOD--Primary Tumor, EOD--Regional Nodes, and EOD--Mets algorithm. Other data items may be included in the derivation process. Effective beginning with cases diagnosed 1/1/2018. *(Central Registry use only)*

NPCR Derived AJCC 8 TNM Clin Stg Grp   **NAACCR Item #3645**
NPCR Derived AJCC 8 TNM Path Stg Grp   **NAACCR Item #3646**
NPCR Derived AJCC 8 Post Therapy Stg Grp   **NAACCR Item #3647**
Field Length: 15 characters   **Source of Standard: NPCR**

These items are storage for NPCR derived algorithmic calculation s of clinical stage group, path stage group and postneoadjuvant stage group based on AJCC T, N, M and relevant biomarkers and prognostic factors. *(Central Registry use only)*

Sentinel Lymph Nodes Examined   **NAACCR Item #834**
Field Length: 2 characters   **Source of Standard: CoC**

Records the total number of lymph nodes sampled during the sentinel node biopsy and examined by the pathologist. This is required by CoC-accredited facilities, beginning with cases diagnosed 1/1/2018. This data item is required for breast and melanoma cases only.

Codes

00	No sentinel nodes were examined
01-90	Sentinel nodes were examined (code the exact number of sentinel lymph nodes examined)
95	No sentinel nodes were removed, but aspiration of sentinel node(s) was performed
98	Sentinel lymph nodes were biopsied, but the number is unknown
99	IT is unknown whether sentinel nodes were examined; not applicable or negative; not staged in patient record

Sentinel Lymph Nodes Positive   **NAACCR Item #835**
Field Length: 2 characters   **Source of Standard: CoC**

Records the exact number of sentinel lymph nodes biopsied, examined by the pathologist, and found to have metastasis. This is required by CoC-accredited, beginning with cases diagnosed 1/1/2018. This data item is required for breast and melanoma cases only.

Codes

00	All sentinel nodes examined are negative
01-90	Sentinel nodes are positive (code exact number of nodes positive)
95	Positive aspiration of sentinel lymph node(s) was performed
97	Positive sentinel nodes are documented, but the number is unspecified; For breast ONLY: SLN and RLND occurred during the same procedure
98	No sentinel nodes were biopsied
99	It is unknown whether sentinel nodes are positive; not applicable; not stated in patient record

Site Specific Data Items (SSDIs)

Beginning with cases diagnosed 1/1/2018, CS SSF's will be discontinued and Site-Specific Data Items (SSDIs) will be used for collection of site-specific information. SSDI's have unique names and NAACCR data item numbers and can be applied to as many sites as needed. Unlike SSF's, field length is not limited to 3 digits, decimals are allowed and different coding conventions are used to record actual values, percentages and ranges. For additional information and coding instructions, please see the 2018 SSDI Manual located on the NAACCR website. The list of SSDI's is below for your convenience.

Site-Specific Data Items (SSDIs) – List
Source of Standard: NAACCR

NAACCR Name	NAACCR Item #	Field Length (characters)
Adenoid Cystic Basaloid Pattern	3803	5
Adenopathy	3804	1
AFP Post-Orchiectomy Lab Value	3805	7
AFP Post-Orchiectomy Range	3806	1
AFP Pre-Orchiectomy Lab Value	3807	7
AFP Pre-Orchiectomy Range	3808	1
AFP Pretreatment Interpretation	3809	1
AFP Pretreatment Lab Value	3810	6
Anemia	3811	1
B Symptoms	3812	1
Bilirubin Pretreatment Total Lab Value	3813	5
Bilirubin Pretreatment Unit of Measure	3814	1
Bone Invasion	3815	1
Brain Molecular Markers	3816	2
Breslow Tumor Thickness	3817	4
CA-125 Pretreatment Interpretation	3818	1
CEA Pretreatment Interpretation	3819	1
CEA Pretreatment Lab Value	3820	6
Chromosome 19q: Loss of Heterozygosity (LOH)	3802	1
Chromosome 1p: Loss of Heterozygosity (LOH)	3801	1
Chromosome 3 Status	3821	1
Chromosome 8q Status	3822	1
Circumferential Resection Margin (CRM)	3823	4
Creatinine Pretreatment Lab Value	3824	4
Creatinine Pretreatment Unit of Measure	3825	1
Esophagus and EGJ Tumor Epicenter	3829	1
Estrogen Receptor Percent Positive or Range	3826	3
Estrogen Receptor Summary	3827	1
Estrogen Receptor Total Allred Score	3828	2
Extranodal Extension Clin (non-Head and Neck)	3830	1
Extranodal Extension Head and Neck Clinical	3831	1
Extranodal Extension Head and Neck Pathological	3832	3
Extranodal Extension Path (non-Head and Neck)	3833	1
Extravascular Matrix Patterns	3834	1
Fibrosis Score	3835	1
FIGO Stage	3836	2
Gestational Trophoblastic Prognostic Scoring Index	3837	2
Gleason Patterns Clinical	3838	2
Gleason Patterns Pathological	3839	2
Gleason Score Clinical	3840	2
Gleason Score Pathological	3841	2
Gleason Tertiary Pattern	3842	2
Grade Clinical	3843	1
Grade Pathological	3844	1

Grade Post Therapy	3845	1
HCG Post-Orchiectomy Lab Value	3846	7
HCG Post-Orchiectomy Range	3847	1
HCG Pre-Orchiectomy Lab Value	3848	7
HCG Pre-Orchiectomy Range	3849	1
HER2 IHC Summary	3850	1
HER2 ISH Dual Probe Copy Number	3851	4
HER2 ISH Dual Probe Ratio	3852	4
HER2 ISH Single Probe Copy Number	3853	4
HER2 ISH Summary	3854	1
HER2 Overall Summary	3855	1
Heritable Trait	3856	1
High Risk Cytogenics	3857	1
High Risk Histologic Features	3858	1
HIV Status	3859	1
International Normalized Ratio Prothrombin Time	3860	3
Invasion Beyond Capsule	3864	1
Ipsilateral Adrenal Gland Involvement	3861	1
JAK2	3862	1
KI-67	3863	5
KIT Gene Immunohistochemistry	3865	1
KRAS	3866	1
LDH Post-Orchiectomy Range	3867	1
LDH Pre-Orchiectomy Range	3868	1
LDH Pretreatment Lab Value	3932	7
LDH Pretreatment Level	3869	1
LDH Upper Limits of Normal	3870	3
LN Assessment Method Femoral-Inguinal	3871	1
LN Assessment Method Para-Aortic	3872	1
LN Assessment Method Pelvic	3873	1
LN Distant Assessment Method	3874	1
LN Distant: Mediastinal, Scalene	3875	1
LN Head and Neck Levels I-III	3876	1
LN Head and Neck Levels IV-V	3877	1
LN Head and Neck Levels VI-VII	3878	1
LN Head and Neck Other	3879	1
LN Isolated Tumor Cells (ITC)	3880	1
LN Laterality	3881	1
LN Positive Axillary Level I-II	3882	2
LN Size	3883	4
LN Status Femoral-Inguinal, Para-Aortic, Pelvic	3884	1
Lymphocytosis	3885	1
Major Vein Involvement	3886	1
Measured Basal Diameter	3887	4
Measured Thickness	3888	4
Methylation of O6-Methylguanine-Methyltransferase	3889	1
Microsatellite Instability (MSI)	3890	1
Microvascular Density	3891	2

Mitotic Count Uveal Melanoma	3892	4
Mitotic Rate Melanoma	3893	2
Multigene Signature Method	3894	1
Multigene Signature Results	3895	2
NCCN International Prognostic Index (IPI)	3896	2
Number of Cores Examined	3897	2
Number of Cores Positive	3898	2
Number of Examined Para-Aortic Nodes	3899	2
Number of Examined Pelvic Nodes	3900	2
Number of Positive Para-Aortic Nodes	3901	2
Number of Positive Pelvic Nodes	3902	2
Oncotype DX Recurrence Score-DCIS	3903	3
Oncotype DX Recurrence Score-Invasive	3904	3
Oncotype DX Risk Level-DCIS	3905	1
Oncotype DX Risk Level-Invasive	3906	1
Organomegaly	3907	1
Percent Necrosis Post Neoadjuvant	3908	5
Perineural Invasion	3909	1
Peripheral Blood Involvement	3910	1
Peritoneal Cytology	3911	1
Pleural Effusion	3913	1
Primary Sclerosing Cholangitis	3917	1
Profound Immune Suppression	3918	1
Progesterone Receptor Percent Positive or Range	3914	3
Progesterone Receptor Summary	3915	1
Progesterone Receptor Total Allred Score	3916	1
Prostate Pathological Extension	3919	3
PSA (Prostatic Specific Antigen) Lab Value	3920	5
Residual Tumor Volume Post Cytoreduction	3921	2
Response to Neoadjuvant Therapy	3922	1
S Category Clinical	3923	1
S Category Pathological	3924	1
Sarcomatoid Features	3925	3
Schema Discriminator 1	3926	1
Schema Discriminator 2	3927	1
Schema Discriminator 3	3928	1
Schema ID	3800	5
Separate Tumor Nodules	3929	1
Serum Albumin Pretreatment Level	3930	1
Serum Beta-2 Microglobulin Pretreatment Level	3931	1
Thrombocytopenia	3933	1
Tumor Deposits	3934	2
Tumor Growth Pattern	3935	1
Ulceration	3936	1
Visceral and Parietal Pleural Invasion	3937	1

Treatment-First Course

There is a shift in the way the CoC is collecting radiation by accredited hospital programs, beginning with cases diagnosed 1/1/2018. The shift allows for granularity in volumes, types, and dosages administered for up to three separate phases of radiation treatment. For additional information and coding instructions, please see the STandards for Oncology Registry Entry (STORE) Manual. A list of Phases I-III and their associated data fields are listed below for your convenience.

Phase I Radiation
Source of Standard: CoC

NAACCR Name	NAACCR Item #	Field Length (characters)
Phase I Radiation Primary Treatment Volume	1504	2
Phase I Radiation to Draining Lymph Nodes	1505	2
Phase I Radiation Treatment Modality	1506	2
Phase I Radiation External Beam Planning Tech	1502	2
Phase I Dose Per Fraction	1501	5
Phase I Number of Fractions	1503	3
Phase I Total Dose	1507	6

Phase II Radiation
Source of Standard: CoC

NAACCR Name	NAACCR Item #	Field Length (characters)
Phase II Radiation Primary Treatment Volume	1514	2
Phase II Radiation to Draining Lymph Nodes	1515	2
Phase II Radiation Treatment Modality	1516	2
Phase II Radiation External Beam Planning Tech	1512	2
Phase II Dose Per Fraction	1511	5
Phase II Number of Fractions	1513	3
Phase II Total Dose	1517	6

Phase III Radiation
Source of Standard: CoC

NAACCR Name	NAACCR Item #	Field Length (characters)
Phase III Radiation Primary Treatment Volume	1524	2
Phase III Radiation to Draining Lymph Nodes	1525	2
Phase III Radiation Treatment Volume	1526	2
Phase III Radiation External Beam Planning Tech	1522	2
Phase III Dose Per Fraction	1521	5
Phase III Number of Fractions	1523	3
Phase III Total Dose	1527	6

Number of Phases of Rad Treatment to This Volume   **NAACCR Item #1532**
Field Length: 2 characters   **Source of Standard: CoC**

Captures the total number of phases of radiation administered to the patient during the first course of treatment. A "phase" consists of one or more consecutive treatments delivered to the same anatomic volume with no change in treatment technique. Although most courses of radiation therapy are completed in one or two phases (historically, the "regional" and "boost" treatments) there are occasions in which three or more phases are used, most typically with head and neck malignancies. This is required by CoC-accredited facilities, beginning with cases diagnosed 1/1/2018.

Codes
00	No radiation treatment
01	1 phase
02	2 phases
03	3 phases
04	4 or more phases
99	Unknown number of phases; Unknown if radiation therapy administered

Radiation Treatment Discontinued Early   **NAACCR Item #1531**
Field Length: 2 characters   **Source of Standard: CoC**

Identifies patients/tumors whose radiation treatment course was discontinued earlier than initially planned. That is the patients/tumors received fewer treatment fractions (sessions) than originally intended by the treating physician. This is required by CoC-accredited facilities, beginning with cases diagnosed 1/1/2018.

Codes
00	No radiation treatment
01	Radiation treatment completed as prescribed
02	Radiation treatment discontinued early - toxicity
03	Radiation treatment discontinued early - contraindicated due to other patient risk factors (comorbid conditions, advanced age, progression of tumor prior to planned radiation etc.)
04	Radiation treatment discontinued early - patient decision
05	Radiation discontinued early - family decision
06	Radiation discontinued early - patient expired
07	Radiation discontinued early - reason not documented
99	Unknown if radiation treatment discontinued; Unknown whether radiation therapy administered

Total Dose   **NAACCR Item #1533**

Field Length: 6 characters   **Source of Standard: CoC**

The total radiation dose administered to the patient across all phases during the first course of treatment. The unit of measure is centiGray (cGy). This is required by CoC-accredited facilities, beginning with cases diagnosed 1/1/2018.

Codes

000000	No therapy administered
000001-999997	Record the actual dose delivered
999998	Not applicable, brachytherapy or radioisotopes administered to the patient
999999	Radiation therapy was administered, but the dose is unknown; it is unknown whether radiation therapy was administered

Edit Overrides/Conversion History/System Admin

COC Accredited Flag   **NAACCR Item #2152**

Field Length: 1 character   **Source of Standard: NPCR**

CoC Accredited Flag is assigned at the point and time of data abstraction to label an abstract being prepared for an analytic cancer case at a facility accredited by the Commission on Cancer. This flag may be assigned manually or may be defaulted by the registry's software.

Codes

0	Abstract prepared at a facility WITHOUT CoC accreditation of its cancer program
1	ANALYTIC abstract prepared at facility WITH CoC accreditation of its cancer program (Includes Class of Case codes 10-22)
2	NON-ANALYTIC abstract prepared at facility WITH CoC accreditation of its cancer program (Includes Class of Case codes 30-49 and 99, plus code 00 which CoC considers analytic but does not require to be staged)
Blank	Not applicable; DCO

Over-Ride Name/Sex   **NAACCR Item #2078**
Over-Ride TNM Stage   **NAACCR Item #1992**
Over-Ride TNM TIS   **NAACCR Item #1993**
Over-Ride TNM 3   **NAACCR Item #1994**

Field Length: 1 character   **Source of Standard: NAACCR**

Over-Ride flags added to indicate that the data in the record has already been reviewed when either edits or manual review tasks have been performed.

Codes

1	Reviewed and confirmed as reported
Blank	Not reviewed or reviewed and corrected

RQRS NCDB Submission Flag   **NAACCR Item #2155**
Field Length: 1 character   **Source of Standard: CoC**

Identifies the type of data submission from reporting facilities to the CoC National Cancer Database (NCDB). This is required by CoC-accredited facilities with submissions, beginning with cases diagnosed 1/1/2018.

Codes

1	Data Submissions for RQRS
2	Data Submissions for NCDB Annual Call for Data

Follow-Up/Recurrence/Death

Date of Last Cancer (Tumor) Status   **NAACCR Item #1772**
Field Length: 8 characters   **Source of Standard: CoC**

This date field (CCYYMMDD, CCYYMM, or CCYY) documents the date of last cancer (tumor status) of the patient's malignant or non-malignant tumor. This is required by CoC-accredited facilities with submissions, beginning with cases diagnosed 1/1/2018.

Date of Last Cancer (Tumor) Status Flag   **NAACCR Item #1773**
Field Length: 2 characters   **Source of Standard: CoC**

This flag explains why there is no appropriate value in the corresponding data items. This is required by CoC-accredited facilities with submissions, beginning with cases diagnosed 1/1/2018.

Codes

12	A proper value is applicable but not known. This event occurred, but the date is unknown (that is, the Date of Last Cancer (tumor) Status is unknown).
Blank	A valid date value is provided in item Date of Last Cancer (tumor) Status.

Record Number Recode   **NAACCR Item #1775**
Field Length: 2 characters   **Source of Standard: NAACCR**

This variable sequentially numbers a person's tumors within each dataset. The ordered values are based on date of diagnosis and sequence number central. It is used as part of the algorithm for calculating the survival time recode variables and is used for survival, prevalence, and multiple primary – standardized incidence ratio analysis in SEER*Stat. *(Central Registry use only)*

Codes

00	Record number 01 for patient in database
01	Record number 02 for patient in database
…	
99	Record number 99 for patient in database

SEER Cause Specific COD — NAACCR Item #1914

Field Length: 1 character — **Source of Standard: SEER**

These data items were created for use in cause-specific survival and designates that the person died of their cancer. *(Central Registry use only)*

Codes

0	Alive or dead of other cause
1	Dead (attributable to this cancer dx)
8	Missing/Unknown Cause of Death
9	Not applicable / not first tumor

SEER Other COD — NAACCR Item #1915

Field Length: 1 character — **Source of Standard: SEER**

These data items were created for use in cause-specific survival and designates that the person died of causes OTHER than their cancer. *(Central Registry use only)*

Codes

0	Alive or dead due to cancer
1	Dead (attributable to causes other than this cancer diagnosis)
8	Missing/Unknown Cause of Death
9	Not applicable / not first tumor

Vital Status Recode — NAACCR Item #1762

Field Length: 1 character — **Source of Standard: NAACCR**

This variable is akin to Vital Status, with the exception that any patient that dies after the follow-up cut-off date is recoded to alive as of the cut-off date. This variable is used as part of the algorithm for calculating survival at time recode variables and is used for survival, prevalence, and multiple primary – standardized incidence ration analysis in SEER*Stat. This recode is necessary to conduct survival prevalence analysis outside of SEER*Stat using other statistical software. *(Central Registry use only)*

Codes

0	Dead as of study cutoff date
1	Alive as of study cutoff date

NAACCR CHANGES (Revised Data Items):

Listed below are revisions made in the NAACCR Volume II, Standards and Data Dictionary for 2018. It has been separated into General Changes and Specific Changes.

General Changes:

1. The NAACCR Record layout has increased by 1,370 characters.
2. Column number for most data items have been moved in the layout to accommodate the new data items.
3. In preparation to move from the flat file to .xml in 2020, NAACCR has given all data items an .xml NAACCR ID and an .xml Parent Element to the Data Dictionary.
4. Reference manual links have been updated throughout the Data Dictionary.
5. Field length changes:

Field Length Change – List
Source of Standard: N/A

NAACCR Name	NAACCR Item #	Field Length changed from:	Field Length changed to:
Reserved 01	370	37	16
Reserved 04	750	30	50
Reserved 05	1180	55	98
Reserved 07	1300	100	50
Reserved 08	1650	80	50
Reserved 09	1740	14	50
Reserved 10	1835	200	100
Reserved 13	2080	500	250
Reserved 16	2450	1	12

Specific Changes:

Addr at Dx--Country   **NAACCR Item #102**
Field Length: 3   **Source of Standard: NAACCR**
Documentation under topic, "Codes" was revised to remove the sub header "Custom codes for both historic and future use".

Addr at Dx--No & Street   **NAACCR Item #2330**
Field Length: 60 characters   **Source of Standard: CoC**
Documentation under topics "Description" and "Rationale" were updated to better explain the data item and the reason for data collection. "Coding Instructions and Summary of USPS Guidelines" was vastly updated from a general instruction to include specific coding instructions for this data item.

Addr at Dx--Postal Code   **NAACCR Item #100**
Field Length: 9   **Source of Standard: CoC**
Documentation under topics "Description" and "Rationale" were updated to better explain the data item and the reason for data collection. "Instructions for Coding" was vastly updated from a general instruction to include specific coding instructions for this data item.

Addr at Dx--State   **NAACCR Item #80**

Field Length: 2   **Source of Standard: CoC**

Documentation under topics "Description" and "Rationale" were updated to better explain the data item and the reason for data collection. "Instructions for Coding" was vastly updated from a general instruction to include specific coding instructions for this data item.

Addr at Dx--Supplementl   **NAACCR Item #2335**

Field Length: 60   **Source of Standard: CoC**

Documentation under topics "Description" and "Rationale" were updated to better explain the data item and the reason for data collection. "Instructions for Coding" was vastly updated from a general instruction to include specific coding instructions for this data item.

Birthplace   **NAACCR Item #250**

Field Length: 3   **Source of Standard: SEER/CoC**

Documentation under topic, "Codes" was revised to add the following: "*NOTE:* For cases diagnosed January 1, 2013, and later, Birthplace State [252] and Birthplace Country [254] replace Birthplace [250]."

Census Block Grp 1970/80/90   **NAACCR Item #368**

Field Length: 1   **Source of Standard: Census**

Data Item Name updated to "Census Block Grp 1970/80/90" from "Census Block Grp 1970-1990" throughout data item documentation. *(Central Registry use only)*

Census Tract 1970/80/90   **NAACCR Item #110**

Field Length: 6   **Source of Standard: SEER**

Documentation under topics "Description" and "Rationale" were updated to better explain the data item and the reason for data collection. "Instructions for Coding" was vastly updated from a general instruction to include specific coding instructions for this data item. *(Central Registry use only)*

Census Tract 2000   **NAACCR Item #130**
Census Tract 2010   **NAACCR Item #135**

Field Length: 6   **Source of Standard: NAACCR**

Documentation under topics "Description" and "Rationale" were updated to better explain the data items and the reason for data collection. "Instructions for Coding" was vastly updated from a general instruction to include specific coding instructions for these data items. *(Central Registry use only)*

Field Length: 2   **Source of Standard: CoC**

Documentation under topic, "Codes" for these items were revised to update code 08 with an end date for the FORDS Manual reference and to add code 09 for the new STORE Manual reference. The updated codes are as follows:

Codes

00	*FORDS* (effective with cases diagnosed 2003-2017)
01	*STORE* (effective with cases diagnosed 2018 and forward)

County at Dx Geocode 1970/80/90   **NAACCR Item #94**
Field Length: 3   **Source of Standard: NAACCR**

Data Item Name updated to "County at Dx Geocode 1970/80/90" from "County at Dx Geocode1990" throughout data item documentation. *(Central Registry use only)*

Documentation under topics "Description" and "Rationale" were updated to better explain the data item and the reason for data collection. "Instructions for Coding" was vastly updated from a general instruction to include specific coding instructions for this data item.

Reordered description for Code 998 and added to use the code for Canadian residents. The update is as follows:

Codes

998	Known town, city, state, or country of residence but county code not known AND a resident outside of the state of reporting institution (must meet all criteria). Use this code for Canadian residents.

Documentation under topic, "Codes" was revised to add the following sentence at the end of the *"NOTE:* County codes issued by the Federal Information Processing Standards (FIPS) publication *Counties and Equivalent Entities of the United States, Its Possessions, and Associated Areas* is available in Appendix A."

County at Dx Geocode2000   NAACCR Item #95
County at Dx Geocode2010   NAACCR Item #96
County at Dx Geocode2020   NAACCR Item #97
Field Length: 3   **Source of Standard: NAACCR**

Documentation under topics "Description" and "Rationale" for these data items were updated to better explain the data item and the reason for data collection. "Instructions for Coding" was vastly updated from a general instruction to include specific coding instructions for this data item. *(Central Registry use only)*

Reordered description for Code 998 and added to use the code for Canadian residents. The updates to each data item are as follows:

Codes

998   Known town, city, state, or country of residence but county code not known AND a resident outside of the state of reporting institution (must meet all criteria). Use this code for Canadian residents.

Documentation under topic, "Codes" for these data items were revised to add the following sentence at the end of the *"NOTE:* County codes issued by the Federal Information Processing Standards (FIPS) publication *Counties and Equivalent Entities of the United States, Its Possessions, and Associated Areas* is available in Appendix A."

County at Dx Reported   NAACCR Item #90
Field Length: 3   **Source of Standard: FIPS/SEER**

Data Item Name updated to "County at Dx Reported" from "County at Dx" throughout data item documentation.

Documentation under topics "Description" and "Rationale" were updated to better explain the data item and the reason for data collection. "Instructions for Coding" was vastly updated from a general instruction to include specific coding instructions for this data item.

Added codes 001-997 for valid FIPS codes. Reordered description for Code 998 and added to use the code for Canadian residents. The updates to each data item are as follows:

Codes

001-997   Valid FIPS code

998   Known town, city, state, or country of residence but county code not known AND a resident outside of the state of reporting institution (must meet all criteria). Use this code for Canadian residents.

Documentation under topic, "Codes" was revised to add the following sentence at the end of the *"NOTE:* County codes issued by the Federal Information Processing Standards (FIPS) publication *Counties and Equivalent Entities of the United States, Its Possessions, and Associated Areas* is available in Appendix A."

Derived Summary Stage 2018   **NAACCR Item #762**
Field Length: 1   **Source of Standard: SEER**
Data Item Name updated to "Derived Summary Stage 2018" from "Derived SS2017" throughout data item documentation. *(Central Registry use only)*

Documentation under topics "Description" and "Rationale" were updated to better explain the data item and the reason for data collection.

Documentation under topic "Codes" updated to remove code 5 "Regional, NOS and to add further description for code 9. The update to code 9 is as follows:

Codes
>9   Unknown if extension or metastasis (unstaged, unknown, or unspecified)
>   Death certificate only case

EOD Mets   **NAACCR Item #776**
Field Length: 2   **Source of Standard: SEER**
Data Item Name updated to "EOD Mets" from "SEER Mets" throughout data item documentation.

This data item was included in Standards Volume II, Version 16; however, it was not implemented until 2018.

Documentation under topics "Description" and "Rationale" were updated to better explain the EOD data item and the reason for data collection.

Codes (in addition to valid schema-specific codes)
>00   None
>   No distant metastasis
>   Unknown if distant metastasis
>88   Not applicable: Information not collected for this schema
>   Use for these sites only: HemeRetic
>   Ill Defined Other (includes unknown primary site)
>   Kaposi Sarcoma
>   Lymphoma
>   Lymphoma-CLL/SLL
>   Myeloma Plasma Cell Disorder
>99   Death certificate only (DCO)

Documentation under topic, "Codes" was revised to add the following: *"NOTE:* See the most current version of EOD (https://staging.seer.cancer.gov/) for rules and site-specific codes and coding structures."

Field Length: 3   **Source of Standard: SEER**

Data Item Name updated to "EOD Primary Tumor" from "SEER Primary Tumor" throughout data item documentation.

This data item was included in Standards Volume II, Version 16; however, it was not implemented until 2018.

Documentation under topics "Description" and "Rationale" were updated to better explain the EOD data item and the reason for data collection.

Codes (in addition to valid schema-specific codes)
000	In situ, intraepithelial, noninvasive
800	In situ, intraepithelial, noninvasive
999	Unknown; primary tumor not stated
	Primary tumor cannot be assessed
	Not documented in patient record
	Death certificate only (DCO)

Documentation under topic, "Codes" was revised to add the following: *"NOTE:* See the most current version of EOD (https://staging.seer.cancer.gov/) for rules and site-specific codes and coding structures."

EOD Regional Nodes   **NAACCR Item #774**

Field Length: 3   **Source of Standard: SEER**

Data Item Name updated to "EOD Regional Nodes" from "SEER Regional Nodes" throughout data item documentation.

This data item was included in Standards Volume II, Version 16; however, it was not implemented until 2018.

Documentation under topics "Description" and "Rationale" were updated to better explain the EOD data item and the reason for data collection.

Codes (in addition to valid schema-specific codes)
000	None
800	Regional lymph node(s), NOS
	Lymph node(s), NOS
888	Not applicable–e.g., CNS, hematopoietic
999	Unknown

Documentation under topic, "Codes" was revised to add the following: *"NOTE:* See the most current version of EOD (https://staging.seer.cancer.gov/) for rules and site-specific codes and coding structures."

EOD--Tumor Size   **NAACCR Item #780**

Field Length:3   **Source of Standard: SEER/CoC**

Documentation under topic "Codes" was revised to bold the following citation: "**Codes (See *SEER Extent of Disease, 1988: Codes and Coding Instructions,* Third Edition, for site-specific codes and coding rules for all EOD fields. The CoC codes for Tumor Size are in the STORE manual.**)**

Lymph-Vascular Invasion   **NAACCR Item #1182**

Field Length: 1   **Source of Standard: AJCC**

Documentation under topics "Description" and "Rationale" were updated to better explain the data item and the reason for data collection.

Documentation under topic "Codes" updated to add new codes 2, 3, and 4. The code additions are as follows:

Codes

2	Lymphatic and small vessel invasion only (L)
3	Venous (large vessel) invasion only (V)
4	BOTH lymphatic and small vessel AND venous (large vessel) invasion

Mets at Dx-Other   **NAACCR Item #1117**

Field Length: 1   **Source of Standard: SEER**

Documentation under topics "Description" was updated to move the last sentence of the paragraph to the first.

Documentation under topic "Codes" updated to add note to code 1, add new code 2, and revise description of code 9. The code updates and additions are as follows:

Codes

1	Yes; distant metastases in known site(s) other than bone, brain, liver, lung or distant lymph nodes (Note: includes bone marrow involvement for lymphomas)
2	Generalized metastases such as carcinomatosis
9	Unknown whether any other metastatic site or generalized metastases. Not documented in patient record

NAACCR Record Version   **NAACCR Item #50**

Field Length: 3   **Source of Standard: NAACCR**

Documentation under topic "Codes" updated to add NAACCR Record version for 2018. The code update is as follows:

Codes

180	2018 Version 18

Record Type   **NAACCR Item #10**
Field Length: 1   **Source of Standard: NAACCR**

Documentation under topic, "Codes" was revised to update code M to describe submission of changes to data already submitted and the increase of the length of the record. The code V was also added for Virtual Pooled Registry. The updated and new codes are as follows:

Codes

M   Record **M**odified since previous submission to central registry (identical in format to the "A" record type; used to submit changes to data items already submitted) Length = 24194

V   Virtual Pooled Registry record type (confidential record with a subset of data items necessary to preform linkages) Length = 6154

Documentation under topic, "Codes" was revised to add the following: "Note: The Code V record type is reserved for future use by the Virtual Pooled Registry."

RX Coding System--Current   **NAACCR Item #1460**
Field Length: 2   **Source of Standard: NAACCR**

Documentation under topic, "Codes" was revised to add code 08 for the new STORE Manual reference. The added code is as follows:

Codes

08   Treatment data coded according to *STORE* Manual

RX Text--Radiation (Beam)   **NAACCR Item #2620**
RX Text--Radiation Other   **NAACCR Item #2630**
Field Length: 1000   **Source of Standard: NPCR**

Documentation under topic, "Data Item(s) to be verified using text entered in this field" for these data items were revised to add the following fields to the table:

Fields added to table
Source of Standard: NPCR

NAACCR Name	NAACCR Item #
Phase I dose per Fraction	1501
Phase II dose per Fraction	1511
Phase III dose per Fraction	1521
Phase I Number of Fractions	1503
Phase II Number of Fractions	1513
Phase III Number of Fractions	1523
Phase I Radiation Treatment Modality	1506
Phase II Radiation Treatment Modality	1516
Phase III Radiation Treatment Modality	1526

SEER Coding Sys--Current   **NAACCR Item #2120**
SEER Coding Sys--Original   **NAACCR Item #2130**
Field Length: 1   **Source of Standard: NAACCR**

Documentation under topic "Codes" updated to add code H for the 2018 SEER Coding Manual. The code update is as follows:

Codes

H	*2018 SEER Coding Manual*

Subsq RX 2nd Course BRM   **NAACCR Item #1675**
Subsq RX 2nd Course Chemo   **NAACCR Item #1673**
Subsq RX 2nd Course Horm   **NAACCR Item #1674**
Subsq RX 2nd Course Oth   **NAACCR Item #1676**
Subsq RX 2nd Course Rad   **NAACCR Item #1672**
Subsq RX 2nd--Scope LN Su   **NAACCR Item #1677**
Subsq RX 2nd--Surg Oth   **NAACCR Item #1678**
Field Length: 1   **Source of Standard: CoC**

Documentation under topic "Description" updated on these data items to remove the reference to "See also First Course Calc Method [1500]."

Subsq RX 2nd Course Surg   **NAACCR Item #1671**
Subsq RX 2nd--Reg LN Rem   **NAACCR Item #1679**
Field Length: 2   **Source of Standard: CoC**

Documentation under topic "Description" updated on these data items to remove the reference to "See also First Course Calc Method [1500]."

Summary Stage 2018   **NAACCR Item #764**
Field Length: 1   **Source of Standard: SEER**

Data Item Name updated to "Summary Stage 2018" from "Directly Assigned SS2017" throughout data item documentation.

This data item was included in Standards Volume II, Version 16; however, it was not implemented until 2018.

Documentation under topics "Description" and "Rationale" were updated to better explain the SEER Summary Stage 2018 data item and the reason for data collection.

Documentation under topic "Codes" updated to revise code 8 to "Benign, borderline" from "Not Applicable" and to expand the previous description of code 9 Unstaged. The code updates and additions are as follows:

Codes

8	Benign, Borderline
9	Unknown if extension or metastasis (unstaged, unknown, or unspecified)
	Death certificate only case

Text--Dx Proc--Lab Tests   **NAACCR Item #2550**
Text--Dx Proc--OP   **NAACCR Item #2560**
Text--Dx Proc--Path   **NAACCR Item #2570**
Text--Dx Proc--PE   **NAACCR Item #2520**
Text--Dx Proc--Scopes   **NAACCR Item #2540**
Text--Dx Proc--X-Ray/Scans   **NAACCR Item #2530**
Field Length: 1000   **Source of Standard: NPCR**

Documentation under topic, "Data Item(s) to be verified using text entered in this field" for these data items were revised to add the following fields to the table:

Fields added to table

Source of Standard: NPCR

NAACCR Name	NAACCR Item #
Summary Stage 2018	764
AJCC TNM Data Items	1001-1036
EOD Data Items	772-776
Site-specific SSDI Data Items	3801-3937

TNM Clin Descriptor   **NAACCR Item #980**
TNM Path Descriptor   **NAACCR Item #920**
Field Length: 1   **Source of Standard: CoC**

Documentation under topic "Codes" updated to add BLANK for data items that are not coded. The code updates and additions are as follows:

Codes
BLANK   Field not coded

TNM Edition Number   **NAACCR Item #1060**
Field Length: 2   **Source of Standard: CoC**

Documentation under topic, "Codes" was revised to update code 07 with an end date for the AJCC 7th Edition Manual reference and to add code 089 for the AJCC 8th Edition Manual reference. The updated codes are as follows:

Codes
07   Seventh Edition (published 2009), recommended for use with cases diagnosed 2010-2017
08   Eighth Edition (published 2016), recommended for use with cases diagnosed 2018+

Field Length: 3   **Source of Standard: NPCR/CoC**

Documentation under topics "Description" was updated to better explain when data collection of this item should take place. The updated verbiage is now: "This data item records the size of the solid primary tumor **before any treatment** (surgical resection or initiation of any treatment including neoadjuvant)."

Documentation under topic "Codes" updated to include examples of centimeter measurements for codes 001, 002-988, and 989. Code 999 was updated to include information on tumor size described as pieces or chips. The code updates are as follows:

Codes

001	1mm or described as **less than** 1 mm (0.1 cm or less than 0.1 cm)
002-998	Exact size in millimeters (2 mm to 988 mm) (0.2 to 98.8 cm)
989	989 millimeters or larger (98.9 cm or larger)
999	Unknown; size not stated; Not documented in patient record; Size of tumor cannot be assessed; The only measurement(s) describes pieces or chips; Not applicable

Field Length: 3   **Source of Standard: NPCR/CoC**

Documentation under topics "Rationale" was updated to clarify the importance of research on surgically treated patients for most cancers. The updated verbiage is now: "Pathologic tumor size is an important prognostic indicator and valuable for clinical practice and research on surgically treated patients for most cancers."

Documentation under topic "Codes" updated to include examples of centimeter measurements for codes 001, 002-988, and 989. Code 999 was updated to include information on tumor size with no excisional biopsy/tumor resection done as well as tumor size described as pieces or chips. The code updates are as follows:

Codes

001	1mm or described as less than 1 mm (0.1 cm or less than 0.1 cm)
002-998	Exact size in millimeters (2 mm to 988 mm) (0.2 to 98.8 cm)
989	989 millimeters or larger (98.9 cm or larger)
999	Unknown; size not stated; Not documented in patient record; Size of tumor cannot be assessed; No excisional biopsy or tumor resection done; The only measurement(s) describes pieces or chips; Not applicable

Tumor Size Summary **NAACCR Item #756**

Field Length: 3 **Source of Standard: NPCR/CoC**

Documentation under topic "Codes" updated to include examples of centimeter measurements for codes 001, 002-988, and 989. Code 999 was updated to include information on tumor size not documented, no excisional biopsy or resection done, or tumor size described as pieces or chips. The code updates are as follows:

Codes

001	1mm or described as less than 1 mm (0.1 cm or less than 0.1 cm)
002-998	Exact size in millimeters (2 mm to 988 mm) (0.2 to 98.8 cm)
989	989 millimeters or larger (98.9 cm or larger)
999	Unknown; size not stated; Not documented in patient record; Size of tumor cannot be assessed; The only measurement(s) describes pieces or chips; Not applicable

Type of Reporting Source **NAACCR Item #500**

Field Length: 1 **Source of Standard: SEER**

Documentation under topic "Codes" reordered to code order, where it was not previously.

Vital Status **NAACCR Item #1760**

Field Length: 1 **Source of Standard: SEER/CoC**

Documentation under topic "Codes" updated to remove "Code 4 – Dead SEER". Please note, this was already not an allowable value at the CCR or vendor software.

NAACCR RETIRED (Retired Data Items):

Beginning with cases diagnosed 1/1/2018, the following data items that have been retired in the NAACCR Volume II, Standards and Data Dictionary.

Site-Specific Data Items (SSDIs) – List
Source of Standard: NAACCR

NAACCR Name	NAACCR Item #
CS PreRX Tumor Size	2730
CS PreRX Extension	2735
CS PreRX Tum Sz/Ext Eval	2740
CS PreRX Lymph Nodes	2750
CS PreRX Reg Nodes Eval	2755
CS PreRX Mets at DX	2760
CS PreRX Mets Eval	2765
CS PostRX Tumor Size	2770
CS PostRX Extension	2775
CS PostRX Lymph Nodes	2780
CS PostRX Mets at DX	2785
Reserved 17	2700
Reserved 18	2161
Reserved 19	2162
Reserved 20	2163

ADDITIONAL UPDATES (other Volume I related items for cases diagnosed January 1, 2018 and forward):

CCR Updates

Reportability:

New ICD-0-3 histology codes, behaviors and revisions are applicable for 2018. Specifics can be obtained from the NAACCR 2018 Implementation Information link: https://www.naaccr.org/2018-implementation/#Histology

References:

The following manuals are appropriate reference documents for cases diagnosed 1/1/2018 and forward.

➢ CANCER REPORTING IN CALIFORNIA: ABSTRACTING AND CODING PROCEDURES FOR HOSPITALS**:** California Cancer Reporting System Standards, Volume I - 2018

➢ American Joint Commission on Cancer (AJCC) 8th Edition
- Refer to the AJCC 8th Edition Updates and Corrections for updates to the AJCC 8th Edition. It can also be on the AJCC website: https://cancerstaging.org/
- The 8th Edition updates include:
  o Rewritten Principles of Cancer Staging
  o A distinct list of WHO and ICD-O-3 histology codes in each chapter
  o New chapters, divided chapters, merged chapters, and deleted chapters

➢ 2018 STandards for Oncology Registry Entry (STORE) Manual – Release to be determined.

➢ 2018 SEER Program Manual – Release to be determined.

➢ 2018 Solid Tumor Coding Manual replaces the 2007 Multiple Histologies/Primaries Manual beginning with cases diagnosed 1/1/2018. For cases diagnosed prior to 2018, continue to apply the 2007 Multiple Primary and Histology Coding Rules.
- The 2018 rules provide new site-specific instructions for:
  o Brain (benign)
  o Brain (malignant)
  o Breast
  o Colon
  o Head and neck
  o Kidney
  o Lung
  o Renal pelvis/ureter/bladder
- The Solid Tumor Rules updates include:
  o Rules available in text format only
  o Terms and Definitions are now included with the M-rules and H-rules
  o New table for determining primary site in Head & Neck primaries
  o WHO grade tables for benign and malignant brain tumors
  o Reportable and non-reportable histology tables
  o Histology tables revised to include 2018 ICD-O-3 update
  o Additional notes and examples for all site groups except Cutaneous Melanoma and Other Sites

- ➢ 2018 Site-Specific Data Item (SSDI) Manual replaces the CS Site-Specific Data Item Manual beginning with cases diagnosed 1/1/2018.
  - The SSDI manual includes:
    - o Schema ID and AJCC ID
    - o Schema Discriminators
    - o SSDI's that replace the CS SSFs
    - o Required for staging items
    - o Grade Items
    - o Breast and Brain biomarkers

- ➢ The Hematopoietic and Lymphoid Neoplasm Database – Release to be determined. Modifications include:
  - Updates to primary sites based on clarifications from AJCC 8th edition authors.
  - Additional changes based on the latest edition of the WHO Classification of Tumors for Hematopoietic and Lymphoid Neoplasms.
  - The rules and database will continue to be applicable to cases diagnosed 2010+.

- ➢ SEER Summary Stage 2018 – Release to be determined.
  - Schemas updated to match AJCC 8th edition staging criteria.
  - Registrars will assign (or derive) summary stage based on Summary Stage 2018.
  - Summary Stage order has been adjusted to follow AJCC 8th chapter order as much as possible.

- ➢ Extent of Disease (EOD) General Coding Instructions
  - EOD consists of three data items:
    - o EOD Primary Tumor
    - o EOD Lymph Nodes
    - o EOD Mets
  - Schemas updated to match AJCC 8th edition staging criteria.
  - Schemas developed based on existing CS schemas and then updated as needed.
  - Codes were combined when possible, resulting in much fewer codes for some of the schemas.
  - EOD Schemas are also located in SEER*RSA

Staging:

The CCR Staging requirements for cases diagnosed January 1, 2018 and forward are as follows:
- ➢ AJCC TNM 8th edition directly assigned required by CoC facilities, as available by non-CoC
- ➢ EOD 2018 required by all facilities
- ➢ Summary Stage 2018 directly coded required by all facilities

Visual Editing:

The list of visually edited data items for 2018 will be distributed and posted to the CCR website in the near future.

Other Updates:

To be consistent amongst Standard Setters, the CCR will be adopting the NAACCR Appendix G: Recommended Abbreviations for Abstractors. This will be reflected in Volume I - 2018.

AJCC Updates

AJCC 8th Edition will be used for cases diagnosed on or after January 1, 2018 and collected in new data items.

CDC NPCR Updates

Beginning with cases diagnosed 1/1/2018 and forward, CDC-NPCR will adopt the new record layout. The majority of the 2018 changes relate to the final transition from Collaborative Stage V2 (CSv2) to directly assigned Summary Stage 2018, EOD 18, ICD-O-3 Changes, and AJCC-TNM 8th Edition Clinical and Pathological Stage and changes to Radiation Treatment.

CoC Updates

STORE Manual has replaced the previously named Facility Oncology Registry Data Standards (FORDS) Manual.

ICD-O-3 Updates

WHO has no plans to release an update ICD-O-3 or ICD-O-4. Therefore, use the 2018 ICD-O-3 Histology and Behavior Code Update tables jointly with ICD-O-3, Hematopoietic and Lymphoid Neoplasm Database, and Solid Tumor (MP/H) rules. *While we are aware of the release of ICD-O-3.1, this document has not been approved by the standard setting agencies for use in North America.*

ICD-O-3 – Changes in behavior codes and new terms associated with current codes. These changes reflect updates to the WHO Classifications for Tumors (Blue Books).
- ➢ The new codes, terms, and changes to behavior codes will be used beginning with cases diagnosed 1/1/2018.
- ➢ Refer to the 2018 ICD-O-3 Coding Guidelines and the 2018 ICD-O-3 Coding Table for additional information.
  - The 2018 ICD-O-3 Update Table includes the previous histology changes from 2015.
    - *IMPORTANT REMINDER:*
      Check the 2018 ICD-O-3 Update Table first to determine if the histology is listed. If the histology is not included in the update, then review ICD-O-3 and/or Hematopoietic and Lymphoid Database and/or Solid Tumor Rules (MP/H)
  - It is highly recommended all users read the guidelines which contain important coding information related to the 2018 update.

NAACCR Updates

- ➢ Site Specific Data Items (SSDIs) have replaced the discontinued Collaborative Stage Site-Specific Factors (SSFs)
  - Grade – The 3 items listed below replace the former one data item for grade and are part of the Site-Specific Data Items (SSDI's)
    - o Grade Clinical
    - o Grade Pathological
    - o Grade Post Therapy

➢ NCI SEER expects that all cases diagnosed in year 2018 and thereafter will be transmitted by central registries to NCI in NAACCR version 18.

➢ CS SSF's will be discontinued and Site-Specific Data Items (SSDIs) will be used for collection of site-specific information, beginning with cases diagnosed 1/1/2018. For additional information and coding instructions, please see the 2018 SSDI Manual.

➢ The SEER Site/Histology Validation List, used in software and edit development, will be updated to include the new ICD-O-3 code and behavior changes per the 2018 ICD-O-3 updates. This site/histology list is provided in both PDF and Excel formats. Please see https://seer.cancer.gov/icd-o-3/