

STORE Manual V2

2021 CHANGES



Please Note: These changes are preliminary and have not been finalized in their entirety.

New Data Items

The AJCC Post Therapy Clin (yc) stage classification has been added. yc staging will be used for cases receiving neoadjuvant therapy with the planned surgery cancelled for various reasons. AJCC will provide education on the appropriate use of the ycTNM data items which go into effect with cases diagnosed 1/1/2021 forward.

A new grade data item, Grade Post Therapy Clin (yc), has been added to the Grade Manual (see Link to Change Log and <https://www.naaccr.org/SSDI/Grade-Manual.pdf>). Grade Post Therapy Clin (yc) is applicable for cases diagnosed 1/1/2021 forward.

New Data Items

AJCC TNM Post Therapy Clin (yc) T [1062]

AJCC TNM Post Therapy Clin (yc) T Suffix [1063]

AJCC TNM Post Therapy Clin (yc) N [1064]

AJCC TNM Post Therapy Clin (yc) N Suffix [1065]

AJCC TNM Post Therapy Clin (yc) M [1066]

Grade Post Therapy Clin (yc) [1068]

No Post Therapy Clin Stage Group at this time

SARSCoV2 Data Items

Diagnosis Years 2020 and 2021

3943: NCDB--SARSCoV2--Test

3944: NCDB--SARSCoV2--Pos

3945: NCDB--SARSCoV2--Pos Date

3946: NCDB--COVID19--Tx Impact

**Linkage from the SEER COVID data items

Data Items removed from STORE

Data Items removed from STORE	Page	NAACCR #
Medical Record Number	51	2300
Social Security Number	52	2320
Last Name	53	2230
First Name	54	2240
Middle Name (Middle Initial)	55	2250
Patient Address (Number and Street) at Diagnosis	56	2330
Patient Address at Diagnosis-Supplemental	58	2335
Patient Address (Number and Street) Current	65	2350
Patient Address Current-Supplemental	67	2355
City/Town-Current	68	1810
State-Current	69	1820
Postal Code-Current (Zip Code)	71	1830
Address Current-Country	72	1832
Telephone	73	2360
Race 2	81	161
Race 3	83	162
Race 4	85	163

Race 5	87	164
NPI-Managing Physician	116	2465
NPI-Following Physician	117	2475
Date of Sentinel Lymph Node Biopsy Flag	160	833
Date Regional Lymph Node Dissection Flag	166	683
Summary Stage 2018	190	764
Date 1st Crs Rx Flag	233	1271
Rx Date Mst Defn Srg Flag	239	3171
Rx Date Surg Disch Flag	266	3181
Rx Date-Radiation Flag	274	1211
Rx Date Rad Ended Flag	342	3221
Rx Date Systemic Flag	347	3231
Rx Date-Other Flag	377	1251
Recurrence Date-1st Flag	387	1861
Date of Last Cancer (tumor) Status Flag	392	1773
Date of Last Contact Flag	395	1751
NPI-Following Registry	397	2445
RQRS NCDB Submission Flag	408	2155
Override Acsn/Class/Seq	409	1985
Override HospSeq/DxConf	410	1986

Override CoC-Site/Type	411	1987
Override HospSeq/Site	412	1988
Override Age/Site/Morph	415	1990
OverrideSurg/DxConf	416	2020
Override Histology	418	2040
Override Leuk, Lymphoma	420	2070
Override Site/Behavior	421	2071
Override Site/Lat/Morph	423	2074
CoC Coding System-Current	424	2140
CoC Coding System-Original	426	2150
Race Coding System-Current	428	170
Race Coding System-Original	429	180
Site Coding System-Current	430	450
Site Coding System-Original	431	460
Morphology Coding System_Current	432	470
Morphology Coding System-Original	433	480
ICD-O-2 Conversion Flag	434	1980
ICD-O-3 Conversion Flag	435	2116
Rx Coding System-Current	437	1460

Data Item with Change to Code

Phase I Radiation Treatment Modality [1506]

STORE page 285-286

Change to current code 99, Radiation treatment modality unknown, Unknown if radiation treatment administered to:

- 98 Radiation treatment administered; modality unknown
- 99 Unknown if radiation treatment administered

Secondary Diagnosis 1-10 [3780, 3782, 3784, 3786, 3788, 3790, 3792, 3794, 3796, 3798]

STORE pages 105-115

- Allowable value U07.1, Z75.2, and Z75.3 to be added to the list.
- Edits will support these values

Data Items with WORD Changes

AJCC Post Therapy

STORE 2018 (page 218-228)

The AJCC Post Therapy (yp) stage classification has been renamed to Post Therapy Path (yp) to distinguish it from the Post Therapy Clin (yc) stage classification.

Grade Post Therapy has been changed to Grade Post Therapy Path (yp) due to the addition of Grade Post Therapy Clin (yc).

AJCC TNM Post Therapy T [1021] to AJCC TNM Post Therapy Path (yp) T

AJCC TNM Post Therapy T Suffix [1033] to AJCC TNM Post Therapy Path (yp)T Suffix

AJCC TNM Post Therapy N [1022] to AJCC TNM Post Therapy Path (yp) N

AJCC TNM Post Therapy N Suffix [1036] to AJCC TNM Post Therapy Path (yp) N Suffix

AJCC TNM Post Therapy M [1023] to AJCC TNM Post Therapy Path (yp) M

AJCC TNM Post Therapy Stage Group [1024] to AJCC TNM Post Therapy Path (yp) Stage Group

Gastro-intestinal stromal tumors (GIST)

STORE 2018 (page 15)

The rule for GIST reportability has been clarified:

Gastro-intestinal stromal tumors (GIST) and thymomas are frequently non-malignant. However, they must be abstracted and assigned a *Behavior Code* of 3 if they are noted to have multiple foci, metastasis or positive lymph nodes. GIST, NOS with a Behavior Code of 1 is not reportable; GIST, NOS with a Behavior Code of 3 is reportable, and the Date of Initial Diagnosis [390] is the earliest date the GIST is found malignant, noted to have multiple foci, metastasis or positive lymph nodes.

Site-Specific Data Items

STORE 2018 (page 229)

The following second bullet point was added:

- For Prostate Pathological Extension [3919], refer to SEER*RSA. Codes (See the most current version of EOD (Prostate) (<https://staging.seer.cancer.gov/>) for rules and site-specific codes and coding structures.)

Regional Lymph Nodes Examined [830]

STORE 2018 (page 168)

The second to the last bullet point was updated:

Primary sites always coded 99. For the following primary sites and histologies, the Regional Nodes Examined field is always coded as 99: **C420, C421, C423-C424, C589, C700-C709, C710-C729, C751-C753, C761-C768, C770-C779, or C809.**

For the following schemas, the Regional Nodes Examined field is always coded as 99.

Placenta

Brain and Cerebral Meninges

Other Parts of Central Nervous System

Intracranial Gland

Hodgkin and non-Hodgkin Lymphoma

- **Excludes cases collected in the following schemas: Lymphoma Ocular Adnexa, Primary Cutaneous Lymphomas and Mycosis Fungoides**

Hematopoietic, Reticuloendothelial, Immunoproliferative and

Myeloproliferative Neoplasms

Myeloma and Plasma Cell Disorders

- *Excludes histology 9734*

Other and Ill-Defined Primary Sites

- *Excludes Spleen (C422)*

Unknown Primary Site

Regional Lymph Nodes Positive [820]

STORE 2018 (page 171)

The second to the last bullet point was updated:

- **Primary sites always coded 99.** For the following primary sites and histologies, the Regional Nodes Positive field is always coded as 99: **C420, C421, C423-C424, C589, C700-C709, C710-C729, C751-C753, C761-C768, C770-C779, or C809.**

For the following schemas, the Regional Nodes Positive field is always coded as 99.

Placenta

Brain and Cerebral Meninges

Other Parts of Central Nervous System

Intracranial Gland

Hodgkin and non-Hodgkin Lymphoma

- **Excludes cases collected in the following schemas: Lymphoma Ocular Adnexa, Primary Cutaneous Lymphomas and Mycosis Fungoides**

Hematopoietic, Reticuloendothelial, Immunoproliferative and
Myeloproliferative Neoplasms

Myeloma and Plasma Cell Disorders

- *Excludes histology 9734*

Other and Ill-Defined Primary Sites

- *Excludes Spleen (C422)*

Unknown Primary Site

Tumor Size Summary [756]

STORE 2018 (page 176)

The use of code 999 and 000 was updated

13. Tumor size code 999 is used when size is unknown or not applicable Sites/morphologies where tumor size is not applicable are listed here.

Primary sites: C420, C421, C423-C424, C770-C779 or C809

Hematopoietic, Reticuloendothelial, and Myeloproliferative neoplasms: histology codes 9590-9993

- **Excludes cases collected in the following schemas: Lymphoma Ocular Adnexa, Primary Cutaneous Lymphomas, Mycosis Fungoides and lymphomas that are collected in the Brain, CNS Other and Intracranial Gland Schemas**

Kaposi Sarcoma

Melanoma Choroid

Melanoma Ciliary Body

Melanoma Iris

14. Tumor size code 000 is assigned when :

Occult Cervical Lymph Node (See STORE, Overview of Coding Principles, page 21).

Schema is Cervical Lymph Nodes and Unknown Primary 00060

15. Tumor size is also important for staging for the following sites/schemas and schema IDs:

Schema (Schema ID)

Adrenal Gland (00760)

Anus (00210)

Bile Duct Distal (00260)

Bile Ducts Intrahepat (00230)

Bone Appendicular Skeleton (00381)

Bone Pelvis (00383)

Breast (00480)

Buccal Mucosa (00076)

Cervix (00520)

Conjunctiva (00650)

Corpus Sarcoma (00541)

Cutaneous Carcinoma of Head and Neck (00150)

Floor of Mouth (00074)

GIST (00430)

Gum (00073)

Hypopharynx (00112)

Kidney Parenchyma (00600)

Lacrimal Gland (00690)

Lip (00071)

Liver (00220)

Lung (00360)

Major Salivary Glands (00080)

Merkel Cell Skin (00460)

Mouth Other (00077)

NET Adrenal Gland (00770)

NET Appendix (00320)

NET Colon and Rectum (00330)

NET Pancreas (00340)
NET Stomach (00290)
Orbital Sarcoma (00700)
Oropharynx (p16-) (00111)
Oropharynx HPV-Mediated (p16+) (00100)
Palate Hard (00075)
Pancreas (00280)
Primary Cutaneous Lymphomas (excluding Mycosis Fungoides) (00812)
Retroperitoneum (00440)
Skin Eyelid (00640)
Soft Tissues Head and Neck (00400)
Soft Tissues Trunk and Extremities (00410)
Thyroid (00730)
Thyroid Medullary (00740)
Tongue Anterior (00072)
Vagina (00510)
Vulva (00500)

Mets at Diagnosis – Bone [1112], Mets at Diagnosis – Brain [1113], Mets at Diagnosis – Liver [1115], Mets at Diagnosis – Lung [1116] and Mets at Diagnosis – Other [1117]

STORE 2018 (pages 179, 181, 185, 187 and 189)

The coding instructions for the use of code 8 (Not applicable) was updated with the addition of the 5th row:

Use code 8 (Not applicable) for the following site/histology combinations for which a code for distant metastasis is not clinically relevant.

Use code 8, Not Applicable for benign/borderline brain and CNS tumors and Gastrointestinal Stromal Tumors (GIST).

ICD-O-3 Site	ICD-O-3 Histology	
C000-C809	9740-9809, 9840-9992	Mast cell, histiocytosis, immunoproliferative, leukemias coded to any site
C420, C421, C424	9811-9818, 9823, 9827, 9837	Specific leukemia/lymphoma histologies coded to blood, bone marrow, hematopoietic
C000-C440, C442-C689, C691-C694, C698-C809	9820, 9826, 9831-9834	Mostly lymphoid leukemias coded to any site except eyelid, conjunctiva, lacrimal gland, orbit, and eye overlapping and NOS
C000-C440, C442-C689, C691-C694, C698-C809	9731, 9732, 9734	Plasma cell tumors coded to any site except eyelid, conjunctiva, lacrimal gland, orbit, and eye overlapping and NOS

ICD-O-3 Site	ICD-O-3 Histology	
C420, C421, , C424, C770-C779	Any histology	

Mets at Diagnosis – Distant Lymph Nodes [1114]

STORE 2018 (page 183)

The coding instructions for the use of code 8 (Not applicable) was updated with the addition of the 5th and 6th rows:

Use code 8 (Not applicable) for the following site/histology combinations for which a code for distant metastasis is not clinically relevant.

ICD-O-3 Site	ICD-O-3 Histology	
C000-C809	9740-9809, 9840-9992	Mast cell, histiocytosis, immunoproliferative, leukemias coded to any site
C420, C421, C424	9811-9818, 9823, 9827, 9837	Specific leukemia/lymphoma histologies coded to blood, bone marrow, hematopoietic
C000-C440, C442-C689, C691-C694, C698-C809	9820, 9826, 9831-9834	Mostly lymphoid leukemias coded to any site except eyelid, conjunctiva, lacrimal gland, orbit, and eye overlapping and NOS
C000-C440, C442-C689, C691-C694, C698-C809	9731, 9732, 9734	Plasma cell tumors coded to any site except eyelid, conjunctiva, lacrimal gland, orbit, and eye overlapping and NOS
Any primary site		Lymphoma histologies
C420, C421, C424, C770-C779	Any histology	

Surgical Procedure of Primary Site [1290] and Surgical Procedure of Primary Site at this Facility [670]

In STORE 2018 (pages 241 and 242)

The coding instructions table for the use of code 98 was updated:

98	Site-specific codes; special	<p>Special code. Refer to Appendix B for the correct site-specific code for the procedure.</p> <p>Code 98 for the following sites/schema unless the case is death certificate only:</p> <p>a. Any case coded to primary site C420, C421, C423, C424, C760-C768, C809</p> <p>b. Cervical Lymph Nodes and Unknown Primary 00060 / Cervical Lymph Nodes and Unknown Primary (C760)</p> <p>c. Plasma Cell Myeloma 00821</p> <p>d. Plasma Cell Disorders 00822</p> <p>e. HemeRetic 00830</p> <ul style="list-style-type: none"> • Hematopoietic neoplasms (excluding lymphomas) • <i>Excludes</i> the following histologies when not primary site C420, C421, C423, C424: 9732, 9741-9742, 9762-9809, 9820, 9831-9834, 9840-9920, 9931-9993 <p>f. Ill-defined Other (includes Unknown Primary Site) 99999 excluding Spleen (C422) and C770-C779 (lymph nodes)</p> <p>When Surgery of Primary Site is coded 98</p> <ol style="list-style-type: none"> 1. Code Surgical Margins of the Primary Site (#1320) to 9 2. Code Reason for No Surgery of Primary Site (#1340) to 1
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NEW

Approach - Surgery of the Primary Site at this Facility (RxHospSurgApp 2010) [668]

In STORE 2018 (page 244)

The coding instructions table for the use of code 9 was updated:

9	When Surgical Procedure of Primary Site [1290] and Surgical Procedure of Primary Site at this Facility [670] is coded to 98; Unknown whether surgery was performed at this facility
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Surgical Margins of the Primary Site [1320]

STORE 2018 (page 246)

The coding instructions for the use of code 9 was clarified:

- Code 9 if the pathology report makes no mention of margins or no tissue was sent to pathology.
- **Code 9 for:**
 - Any cases coded to primary sites C420, C421, C423, C424, C760-C768, C770-C779, C809
 - Surgery of Primary Site (#1290) is coded to 98 (not applicable)
 - Lymphomas (M-9590-9726, 9728-9732, 9734-9740, 9750-9762, 9811-9831, 9940, 9948 and 9971) with a lymph node primary site (C77.0–C77.9)
 - Unknown or ill-defined primary site (C76.0–C76.8, C80.9)
 - Hematopoietic histologies (M-9727, 9733, 9741-9742, 9764-9809, 9832, 9840-9931, 9945-9946, 9950-9967, and 9975-9992)

Scope of Regional Lymph Node Surgery [1292] and Scope of Regional Lymph Node Surgery at this Facility [672]

STORE 2018 (pages 248 and 255)

The coding instructions for the use of code 9 was clarified:

- Code 9 for:
 - Any Schema ID with primary site: C420, C421, C423, C424, C700-C709, C710-C729, C751-C753, C761-C768, C770-C779, C809)
 - Plasmacytoma, bone (9731/3)
 - Lymphomas (M-9590-9726, 9728-9732, 9734-9740, 9750-9762, 9811-9831, 9940, 9948 and 9971) with a lymph node primary site (C77.0–C77.9)
 - Unknown or ill-defined primary site (C76.0–C76.8, C80.9)
 - Hematopoietic, reticuloendothelial, immunoproliferative, or myeloproliferative disease 9727, 9733, 9741-9742, 9764-9809, 9832, 9840-9931, 9945-9946, 9950-9967, and 9975-9992)

Surgical Procedure/Other Site [1294] and Surgical Procedure/Other Site at this Facility [674]

STORE 2018 (pages 261 and 263)

The coding instructions for the use of code 1 was clarified:

- Code 1 for:
 - Any case coded to primary site C420, C421, C423, C424, C760-C768, C770-C779, C809 Excluding cases coded to the Cervical Lymph Nodes and Unknown Primary 00060
 - Tumors of ill-defined primary sites (C76.0-C76.8, C80.9)
 - Hematopoietic, reticuloendothelial, immunoproliferative, or myeloproliferative diseases 9727, 9733, 9741-9742, 9764-9809, 9832, 9840-9931, 9945-9946, 9950-9967, and 9975-9992)
 - When the involved contralateral breast is removed for a single primary breast cancer Note: See also notes and codes in Appendix C, Breast surgery codes.

Reason for No Surgery of Primary Site (1340)

STORE 2018 (page 273)

The coding instructions for the use of code 1 was clarified:

- Code 1 if the treatment plan offered multiple alternative treatment options and the patient selected treatment that did not include surgery of the primary site, or if the option of “no treatment” was accepted by the patient.
- Code 1 if *Surgical Procedure of Primary Site* [1290] is coded 98.
- Any case coded to primary sites C420, C421, C423, C424, C760-C768, C809

Facility Identification Number (NPI) [540]

STORE page 402

Removed the following invalid link:

Note: A complete list of FINs is available on the American College of Surgeons Web site at <https://www.facs.org/quality-programs/cancer/accredited/info/fin>.

Appendix D: County and State Codes

Update to geographic area to align with SEER.

Radiation Data Items

STORE, radiation data items Phase I-III rules and instructions have been clarified for the following Data items, no change to logic or edits:

Location of Radiation Treatment [1550]

Phase I-II-III Radiation Primary Treatment Volume [1504, 1514, 1524]

Phase I-II-III Radiation to Draining Lymph Nodes [1505, 1515,1525]

Phase I-II-III Radiation Treatment Modality [1506, 1516, 1526]

Phase I-II-III External Beam Radiation Planning Technique [1502, 1512,1522]

Phase I-II-III Dose Per Fraction {1501, 1511,1521}

Phase I-II-III Number of Fractions [1503, 1513, 1523]

STORE Manual

<https://www.facs.org/>

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Questions?

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