**QIICR**

**Iowa Head and Neck Clinical Data DICOM SR Template**

QIICR

Status: Working Draft

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**Document History**

| **Document Version** | **Date** | **Content** |
| 01 | 2015/03/01 | First draft delivered to Iowa for clinical data release to TCIA |
| 02 | 2015/10/07 | Correct typos, add SCT and UMLS code links for use when comparing with ASCO HL7 CDA COTPS, add list of 99PMP codes used with placeholders for definitions and hyperlink from uses. |

**TID QIICR\_2000 Clinical Data Report**

This root template that encodes the clinical data for a patient.

**Type: Extensible**

**Order: Non-Significant**

**Root: Yes**

**Table TID QIICR\_2000. Measurement Report**

|  | **NL** | **Rel with Parent** | **VT** | **Concept Name** | **VM** | **Req Type** | **Condition** | **Value Set Constraint** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 |  |  | CONTAINER | EV (R-42BAB, SRT, "Summary Clinical Document") | 1 | M |  | Root node |
| 2 | > | HAS CONCEPT MOD | INCLUDE | DTID 1204 "Language of Content Item and Descendants" | 1 | M |  |  |
| 3 | > | CONTAINS | CONTAINER | EV (121118, DCM, "Patient Characteristics") | 1 | M |  |  |
| 4 | >> | CONTAINS | DATE | EV (121031, DCM, "Subject Birth Date") | 1 | U |  |  |
| 5 | >> | CONTAINS | CODE | EV (121032, DCM, "Subject Sex") | 1 | U |  | D[CID 7455 “Sex”](#sect_CID_7455) |
| 6 | >> | CONTAINS | NUM | EV (8302-2, LN, "Patient Height") | 1 | U |  | UNITS = EV (cm, UCUM, "cm") |
| 7 | >> | CONTAINS | NUM | EV (29463-7, LN, "Patient Weight") | 1 | U |  | UNITS = EV (kg, UCUM, "kg") |
| 8 | >> | CONTAINS | CODE | EV (S-0004D, SRT, "Racial group") | 1 | U |  | D[CID QIICR\_2001 “Racial Group”](#sect_CID_QIICR_2001) |
| 9 | >> | CONTAINS | CODE | EV (S-00045, SRT, "Hispanic") | 1 | U |  | D[CID 230 “Yes-No”](#sect_CID_230) |
| 10 | > | CONTAINS | CONTAINER | EV ([11450-4](http://s.details.loinc.org/LOINC/11450-4.html), LN, "Problem List") | 1 | M |  |  |
| 11 | >> | CONTAINS | INCLUDE | D[TID QIICR\_2008 “Diabetes Problem Properties”](#sect_TID_QIICR_2008) | 1 | U |  |  |
| 12 | > | CONTAINS | CONTAINER | EV ([29762-2](http://s.details.loinc.org/LOINC/29762-2.html), LN, "Social History") | 1 | M |  |  |
| 13 | >> | CONTAINS | CODE | EV (F-93109, SRT, "Tobacco Smoking Behavior") | 1 | U |  | D[CID 3724 “Smoking History”](#sect_CID_3724) |
| 14 | >> | CONTAINS | CODE | EV (F-02573, SRT, "Alcohol consumption") | 1 | U |  | D[CID QIICR\_2003 “Alcohol Intake”](#sect_CID_QIICR_2003) |
| 15 | >> | CONTAINS | CODE | EV (F-0434C, SRT, "Details of tobacco chewing") | 1 | U |  | D[CID QIICR\_2004 “Tobacco Chewing”](#sect_CID_QIICR_2004) |
| 16 | > | CONTAINS | CONTAINER | EV (G-E395, SRT, "Tumor Staging") | 1 | M |  |  |
| 17 | >> | CONTAINS | CODE | EV (R-100D9, SRT, "Primary tumor site") | 1 | U |  | D[CID 7601 “Head and Neck Cancer Anatomic Sites”](#sect_CID_7601) |
| 18 | >> | CONTAINS | CODE | EV (R-00443, SRT, "Tumor stage finding") | 1 | U |  | D[CID QIICR\_2005 “Clinical Stage”](#sect_CID_QIICR_2005) |
| 19 | >> | CONTAINS | CONTAINER | EV (F-005C4, SRT, "TNM Category") | 1 | U |  |  |
| 20 | >>> | CONTAINS | CODE | EV (G-F150, SRT, "T Stage") | 1 | U |  | D[CID QIICR\_2006 “TNM T Stage”](#sect_CID_QIICR_2006) |
| 21 | >>> | CONTAINS | CODE | EV (R-40030, SRT, "N Stage") | 1 | U |  | D[CID QIICR\_2007 “TNM N Stage”](#sect_CID_QIICR_2007) |
| 22 | >>> | CONTAINS | CODE | EV (R-40031, SRT, "M Stage") | 1 | U |  | D[CID QIICR\_2008 “TNM M Stage”](#sect_CID_QIICR_2008) |
| 23 | > | CONTAINS | CONTAINER | EV (G-03E7, SRT, "Past medical history") | 1 | M |  |  |
| 24 | >> | CONTAINS | CODE | EV (P0-099EB, SRT, "History of radiation therapy") | 1 | U |  | D[CID QIICR\_2002 “Performed”](#sect_CID_QIICR_2002) |
| 25 | >> | CONTAINS | CODE | EV (G-0133, SRT, "History of malignant neoplasm") | 1 | U |  | D[CID QIICR\_2009 “Malignancy History”](#sect_CID_QIICR_2009) |
| 26 | > | CONTAINS | CONTAINER | EV (P0-00002, SRT, "Diagnostic Procedure") | 1 | M |  |  |
| 27 | >> | CONTAINS | INCLUDE | D[TID QIICR\_2002 “Biopsy”](#sect_TID_QIICR_2002) | 1 | U |  |  |
| 28 | > | CONTAINS | CONTAINER | EV (P0-0000E, SRT, "Therapeutic Procedure") | 1 | M |  |  |
| 29 | >> | CONTAINS | INCLUDE | D[TID QIICR\_2003 “Surgical Procedure for Head and Neck Cancer”](#sect_TID_QIICR_2003) | 1 | U |  |  |
| 30 | >> | CONTAINS | INCLUDE | D[TID QIICR\_2004 “Radiotherapy Procedure”](#sect_TID_QIICR_2004) | 1 | U |  |  |
| 31 | >> | CONTAINS | INCLUDE | D[TID QIICR\_2005 “Chemotherapy Procedure”](#sect_TID_QIICR_2005) | 1 | U |  |  |
| 32 | > | CONTAINS | CONTAINER | EV [(300015, 99PMP, "Pathology of original tumor")](#P99PMP_300015) | 1 | M |  |  |
| 33 | >> | CONTAINS | INCLUDE | D[TID QIICR\_2006 “Tumor Pathology Results”](#sect_TID_QIICR_2006) | 1 | U |  |  |
| 34 | >> | CONTAINS | CONTAINER | EV (P1-65320, SRT, "Excision of cervical lymph nodes group") | 1 | M |  |  |
| 35 | >>> | CONTAINS | INCLUDE | D[TID QIICR\_2007 “Cervical Lymph Node Group”](#sect_TID_QIICR_2007) | 1 | U |  |  |
| 36 | >>> | CONTAINS | CODE | EV (F-004ED, SRT, "Status of extra-capsular extension of nodal tumor") | 1 | U |  | D[CID QIICR\_2010 “Extra-capsular Extension of Nodal Tumor”](#sect_CID_QIICR_2010) |
| 37 | >>> | CONTAINS | TEXT | EV (121106, DCM, "Comment") | 1 | U |  |  |
| 38 | > | CONTAINS | CONTAINER | EV (C0679250, UMLS, "Disease Outcome") | 1 | M |  |  |
| 39 | >> | CONTAINS | DATE | EV (C3694716, UMLS, "Follow-up visit date") | 1 | U |  |  |
| 40 | >> | CONTAINS | CODE | EV (F-00F54, SRT, "Followup status") | 1 | U |  | D[CID QIICR\_2011 “Followup Status”](#sect_CID_QIICR_2011) |
| 41 | >> | CONTAINS | DATE | EV (F-04922, SRT, "Date of death") | 1 | U |  |  |
| 42 | >> | CONTAINS | CODE | EV (F-03E6D, SRT, "Cause of death") | 1 | U |  | D[CID QIICR\_2012 “Cause of Death”](#sect_CID_QIICR_2012) |
| 43 | >> | CONTAINS | CODE | EV [(300011, 99PMP, "Post-radiotherapy treatment")](#P99PMP_300011) | 1 | U |  | D[CID 230 “Yes-No”](#sect_CID_230) |
| 44 | >> | CONTAINS | DATE | EV ([63944-3](http://s.details.loinc.org/LOINC/63944-3.html), LN, "Date of cancer recurrence") | 1 | U |  |  |
| 45 | >> | CONTAINS | DATE | EV [(300012, 99PMP, "Date of 2nd primary")](#P99PMP_300012) | 1 | U |  |  |
| 46 | >> | CONTAINS | CODE | EV [(300013, 99PMP, "Location of first recurrence")](#P99PMP_300013) | 1 | U |  | D[CID QIICR\_2013 “Location of Recurrent Tumor”](#sect_CID_QIICR_2013) |
| 47 | >> | CONTAINS | CONTAINER | EV [(300016, 99PMP, "Pathology of recurrent tumor")](#P99PMP_300016) | 1 | U |  |  |
| 48 | >>> | CONTAINS | INCLUDE | D[TID QIICR\_2006 “Tumor Pathology Results”](#sect_TID_QIICR_2006) | 1 | M |  |  |

**Content Item Descriptions**

| Row 2 | Always (121049, DCM, "Language of Content Item and Descendants") = (eng, RFC3066, "English")  >HAS CONCEPT MOD (121046, DCM, "Country of Language") = (US, ISO3166\_1, "United States") |
| Row 5 | Only (M, DCM, "Male") and (F, DCM, "Female") are used. |
| Rows 9, 43 | (R-0038A, SRT, "Undetermined") from [CID 230 “Yes-No”](#sect_CID_230) is not used. |
| Rows 12, 13 | Based on TID 3802 Cardiovascular Patient History, rows 12 and 15. |
| Row 14 | TID 3802 Row 14 has this as one of the concepts for a TEXT value drawn from CID\_3774; we use a CODE instead |
| Row 15 | Nothing in DICOM yet, except as (C-F3310, SRT, "Chewing tobacco") in CID 6089 Substances invoked in DTID 9002 “Medication, Substance, Environmental Exposure” in TID 9007 General Relevant Patient Information |
| Row 25 | When no specific information is available, will be same concept for name and value (G-0133 = G-0133). |

**TID QIICR\_2002 Biopsy**

This template encodes information about a biopsy procedure.

**Type: Extensible**

**Order: Non-Significant**

**Root: No**

**Table TID QIICR\_2002. Biopsy**

|  | **NL** | **Rel with Parent** | **VT** | **Concept Name** | **VM** | **Req Type** | **Condition** | **Value Set Constraint** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 |  |  | CONTAINER | EV (P1-03100, SRT, "Biopsy") | 1-n | M |  |  |
| 2 | > | CONTAINS | DATE | EV (F-05045, SRT, "Date of procedure") | 1 | U |  |  |
| 3 | > | CONTAINS | TEXT | EV (F-04956, SRT, "Biopsy Site") | 1 | U |  |  |

**TID QIICR\_2003 Surgical Procedure for Head and Neck Cancer**

This template encodes information about a surgical procedure for head and neck cancer.

**Type: Extensible**

**Order: Non-Significant**

**Root: No**

**Table TID QIICR\_2003. Surgical Procedure for Head and Neck Cancer**

|  | **NL** | **Rel with Parent** | **VT** | **Concept Name** | **VM** | **Req Type** | **Condition** | **Value Set Constraint** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 |  |  | CONTAINER | EV (P0-009C3, SRT, "Surgical Procedure") | 1-n | M |  |  |
| 2 | > | CONTAINS | DATE | EV (F-05045, SRT, "Date of procedure") | 1 | U |  |  |
| 3 | > | CONTAINS | TEXT | EV (C0807506, UMLS, "Procedure Description") | 1 | U |  |  |
| 4 | > | CONTAINS | CODE | EV [(300001, 99PMP, "Resection of primary tumor")](#P99PMP_300001) | 1 | U |  | D[CID QIICR\_2014 “Extent of Resection”](#sect_CID_QIICR_2014) |
| 5 | > | CONTAINS | CODE | EV (P1-65325, SRT, "Block dissection of cervical lymph nodes") | 1 | U |  | D[CID QIICR\_2002 “Performed”](#sect_CID_QIICR_2002) |

**Content Item Descriptions**

| Row 4 | EV (P1-03002, SRT, "Complete excision") is not quite right, because strictly speaking it applies to the organ |

**TID QIICR\_2004 Radiotherapy Procedure**

This template encodes information about a radiotherapy procedure.

**Type: Extensible**

**Order: Non-Significant**

**Root: No**

**Table TID QIICR\_2004. Radiotherapy Procedure**

|  | **NL** | **Rel with Parent** | **VT** | **Concept Name** | **VM** | **Req Type** | **Condition** | **Value Set Constraint** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 |  |  | CONTAINER | EV (P5-C0000, SRT, "Radiotherapy Procedure") | 1-n | M |  |  |
| 2 | > | CONTAINS | DATE | EV (F-04C2B, SRT, "Date treatment started") | 1 | U |  |  |
| 3 | > | CONTAINS | DATE | EV (F-04C2C, SRT, "Date treatment stopped") | 1 | U |  |  |
| 4 | > | CONTAINS | NUM | EV (R-007B0, SRT, "Total radiation dose delivered") | 1 | U |  | UNITS = EV (Gy, UCUM, "Gy") |
| 5 | > | CONTAINS | NUM | EV [(300002, 99PMP, "Radiation dose per fraction")](#P99PMP_300002) | 1 | U |  | UNITS = EV (Gy, UCUM, "Gy") |
| 6 | > | CONTAINS | TEXT | EV (C0807506, UMLS, "Procedure Description") | 1 | U |  |  |

**TID QIICR\_2005 Chemotherapy Procedure**

This template encodes information about a chemotherapy procedure.

**Type: Extensible**

**Order: Non-Significant**

**Root: No**

**Table TID QIICR\_2005. Chemotherapy Procedure**

|  | **NL** | **Rel with Parent** | **VT** | **Concept Name** | **VM** | **Req Type** | **Condition** | **Value Set Constraint** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 |  |  | CONTAINER | EV (P0-0058E, SRT, "Chemotherapy") | 1-n | M |  |  |
| 2 | > | CONTAINS | DATE | EV (F-04C2B, SRT, "Date treatment started") | 1 | U |  |  |
| 3 | > | CONTAINS | DATE | EV (F-04C2C, SRT, "Date treatment stopped") | 1 | U |  |  |
| 4 | > | CONTAINS | CODE | EV (F-618AA, SRT, "Antineoplastic agent") | 1-3 | U |  | D[CID QIICR\_2015 “Antineoplastic Agent”](#sect_CID_QIICR_2015) |

**TID QIICR\_2006 Tumor Pathology Results**

This template encodes information about the pathology of a tumor.

**Type: Extensible**

**Order: Non-Significant**

**Root: No**

**Table TID QIICR\_2006. Tumor Pathology Results**

|  | **NL** | **Rel with Parent** | **VT** | **Concept Name** | **VM** | **Req Type** | **Condition** | **Value Set Constraint** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 |  |  | CONTAINER | EV (111468, DCM, "Pathology Results") | 1 | M |  |  |
| 2 | > | CONTAINS | CODE | EV (111042, DCM, "Pathology") | 1 | U |  | EV (M-80703, SRT, "Squamous Cell Carcinoma") |
| 3 | >> | HAS PROPERTIES | CODE | EV (F-02900, SRT, "Histological grade finding") | 1 | U |  | D[CID QIICR\_2016 “Histologic Grade”](#sect_CID_QIICR_2016) |
| 4 | >> | HAS PROPERTIES | CODE | EV (111388, DCM, "Malignancy Type") | 1 | U |  | D[CID QIICR\_2017 “Malignancy Type”](#sect_CID_QIICR_2017) |
| 5 | >> | HAS PROPERTIES | CODE | EV (R-00274, SRT, "Tumor margin status") | 1 | U |  | D[CID QIICR\_2018 “Tumor Margin Status”](#sect_CID_QIICR_2018) |
| 6 | >> | HAS PROPERTIES | CODE | EV (F-0369E, SRT, "Perineural invasion finding") | 1 | U |  | D[CID QIICR\_2019 “Perineural Invasion”](#sect_CID_QIICR_2019) |
| 7 | >> | HAS PROPERTIES | CODE | EV (R-0026E, SRT, "Status of vascular invasion by tumor") | 1 | U |  | D[CID QIICR\_2020 “Vascular Invasion”](#sect_CID_QIICR_2020) |

**Content Item Descriptions**

| Row 1 | This template uses TID 4207 Breast Imaging Pathology Results as model. |
| Row 3 | The values are the same as DCID 6070, which is described as Bloom-Richardson Histologic Grade, which is breast-specific, though the code values, which are re-used here, are just ordinary AJCC. |
| Row 5 | TID 4207 (currently) uses (111471, DCM, "Involved") instead of (G-8DA4, SRT, "Surgical margin involved by tumor"), and (111470, DCM, "Uninvolved") instead of (M-09400, SRT, "Surgical margin uninvolved by tumor"). |
| Row 7 | SNOMED "vascular" concept has children of large and small vessels, and latter includes lymphatic vessels. |

**TID QIICR\_2007 Cervical Lymph Node Group**

This template encodes information about a cervical lymph node group.

**Type: Extensible**

**Order: Non-Significant**

**Root: No**

**Table TID QIICR\_2007. Cervical Lymph Node Group**

|  | **NL** | **Rel with Parent** | **VT** | **Concept Name** | **VM** | **Req Type** | **Condition** | **Value Set Constraint** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 |  |  | CODE | EV (T-C4207, SRT, "Cervical lymph node group") | 1-n | M |  | D[CID QIICR\_2021 “Lymph Node Group”](#sect_CID_QIICR_2021) |
| 2 | > | HAS CONCEPT MOD | CODE | EV (R-400D5, SRT, "Sidedness") | 1 | U |  | D[CID QIICR\_2022 “Same or Different Side”](#sect_CID_QIICR_2022) |
| 3 | > | HAS PROPERTIES | NUM | EV (111473, DCM, "Number of nodes removed") | 1 | U |  | UNITS = EV ({nodes}, UCUM, "nodes") |
| 4 | > | HAS PROPERTIES | NUM | EV (111474, DCM, "Number of nodes positive") | 1 | U |  | UNITS = EV ({nodes}, UCUM, "nodes") |

**TID QIICR\_2008 Diabetes Problem Properties**

This template encodes information diabetes mellitus information for a problem list.

**Type: Extensible**

**Order: Significant**

**Table TID QIICR\_2008. Diabetes Problem Properties**

|  | **NL** | **Rel with Parent** | **VT** | **Concept Name** | **VM** | **Req Type** | **Condition** | **Value Set Constraint** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 |  |  | CONTAINER | EV (121430, DCM, "Concern") | 1 | M |  |  |
| 2 | > | CONTAINS | CODE | EV (F-01000, SRT, "Problem") | 1 | M |  | EV (G-023F, SRT, "History of Diabetes mellitus") |
| 3 | > | CONTAINS | CODE | EV (P0-0000E, SRT, "Therapy") | 1-n | U |  | D[CID 3722 “Diabetic Therapy”](#sect_CID_3722) |

**Content Item Descriptions**

| Rows 1,2,3 | Correspond to rows 1, 4 (Problem) and 12 (Therapy) of TID 3829 "Problem Properties", and only (F-01000, SRT, "Problem) from [CID 3769 “Concern Types”](#sect_CID_3769) is used in row 4 |

**CID QIICR\_2001 Racial Group**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2001. Racial Group**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | S-0004E | African race | 413464008 | C0027567 |
| SRT | S-00051 | Asian race | 413582008 | C0078988 |
| SRT | S-0003D | Caucasian race | 413773004 | C0007457 |
| SRT | S-0004F | American Indian race | 413491005 | C0002460 |

**CID QIICR\_2002 Performed**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2002. Performed**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | R-42514 | Performed | 398166005 | C0884358 |
| SRT | R-4135B | Not performed | 262008008 | C0445106 |

**CID QIICR\_2003 Alcohol Intake**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2003. Alcohol Intake**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | F-60018 | Alcohol intake above recommended sensible limits | 160592001 | C0560219 |
| SRT | F-60019 | Alcohol intake within recommended sensible limits | 160593006 | C0560220 |
| SRT | R-40775 | None | 260413007 | C0549184 |

**CID QIICR\_2004 Tobacco Chewing**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2004. Tobacco Chewing**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | S-32060 | Chews tobacco | 81703003 | C0241410 |
| SRT | F-9321B | Ex-tobacco chewer | 228513009 | C0454023 |
| SRT | F-93219 | Does not chew tobacco | 228511006 | C0454021 |

**CID QIICR\_2005 Clinical Stage**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2005. Clinical Stage**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | G-E100 | Clinical Stage I | 13104003 | C0205564 |
| SRT | G-E200 | Clinical Stage II | 60333009 | C0205571 |
| SRT | G-E300 | Clinical Stage III | 50283003 | C0205578 |
| SRT | G-E400 | Clinical Stage IV | 2640006 | C0205585 |
| SRT | G-E410 | Clinical Stage IV A | 71725004 | C0205586 |
| SRT | G-E420 | Clinical Stage IV B | 1523005 | C0205587 |
| SRT | G-E430 | Clinical Stage IV C | 33177002 | C0205588 |

**CID QIICR\_2006 TNM T Stage**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2006. TNM T Stage**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | G-F152 | Tumor Stage T0 | 58790005 | C0475371 |
| SRT | G-F153 | Tumor Stage T1 | 23351008 | C0475372 |
| SRT | G-F158 | Tumor Stage T1a | 261646003 | C0475383 |
| SRT | G-F15B | Tumor Stage T1b | 261649005 | C0475385 |
| SRT | G-F154 | Tumor Stage T2 | 67673008 | C0475373 |
| SRT | G-F15D | Tumor Stage T2a | 261651009 | C0475387 |
| SRT | G-F15E | Tumor Stage T2b | 261652002 | C0475388 |
| SRT | G-F155 | Tumor Stage T3 | 14410001 | C0475374 |
| SRT | G-F16D | Tumor Stage T3a | 261654001 | C0475390 |
| SRT | G-F16E | Tumor Stage T3b | 261655000 | C0475391 |
| SRT | G-F156 | Tumor Stage T4 | 65565005 | C0475751 |
| SRT | G-F176 | Tumor Stage T4a | 261659006 | C0475395 |
| SRT | G-F177 | Tumor Stage T4b | 261660001 | C0475396 |
| SRT | G-F157 | Tumor Stage TX | 67101007 | C0332377 |

**CID QIICR\_2007 TNM N Stage**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2007. TNM N Stage**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | G-F160 | Node Stage N0 | 62455006 | C0441959 |
| SRT | G-F161 | Node Stage N1 | 53623008 | C0441962 |
| SRT | G-F166 | Node Stage N1a | 277672002 | C0456906 |
| SRT | G-F167 | Node Stage N1b | 277674001 | C0456908 |
| SRT | G-F162 | Node Stage N2 | 46059003 | C0441960 |
| SRT | G-F17E | Node Stage N2a | 261967001 | C0445079 |
| SRT | G-F17F | Node Stage N2b | 261968006 | C0445080 |
| SRT | G-F188 | Node Stage N2c | 261969003 | C0445081 |
| SRT | G-F163 | Node Stage N3 | 5856006 | C0441961 |
| SRT | G-F165 | Node Stage NX | 79420006 | C0445085 |

**CID QIICR\_2008 TNM M Stage**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2008. TNM M Stage**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | G-F170 | Metastasis Stage M0 | 30893008 | C0445034 |
| SRT | G-F171 | Metastasis Stage M1 | 55440008 | C0441971 |
| SRT | G-F175 | Metastasis Stage MX | 27167007 | C0445039 |

**CID QIICR\_2009 Malignancy History**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2009. Malignancy History**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | G-0529 | History of malignant neoplasm of head and/or neck | 431573004 | C2317135 |
| SRT | G-0133 | History of malignant neoplasm | 266987004 | C0455471 |
| SRT | R-FB75F | No history of malignant neoplastic disease | 700363003 | C3494909 |

**CID QIICR\_2010 Extra-capsular Extension of Nodal Tumor**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2010. Extra-capsular Extension of Nodal Tumor**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | F-004F1 | Extra-capsular extension of nodal tumor present | 396644006 | C1300901 |
| SRT | F-004EF | Extra-capsular extension of nodal tumor absent | 396643000 | C1300900 |

**CID QIICR\_2011 Followup Status**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2011. Followup Status**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| UMLS | C1518340 | No evidence of disease |  | C1518340 |
| SRT | DF-00280 | Local disease | 74217003 | C0277565 |
| UMLS | C3641061 | Distant metastases |  | C3641061 |
| 99PMP | [300010](#P99PMP_300010) | Local disease and distant metastases |  |  |

**CID QIICR\_2012 Cause of Death**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2012. Cause of Death**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | DD-60001 | Complication | 116223007 | C0009566 |
| SRT | DF-00280 | Local disease | 74217003 | C0277565 |
| UMLS | C3641061 | Distant metastases |  | C3641061 |
| 99PMP | [300010](#P99PMP_300010) | Local disease and distant metastases |  |  |
| SRT | DF-00170 | Intercurrent disease | 88472004 | C0277557 |

**CID QIICR\_2013 Location of Recurrent Tumor**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2013. Location of Recurrent Tumor**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | DF-00280 | Local disease | 74217003 | C0277565 |
| SRT | G-A16D | Region | 410673009 | C0205147 |
| UMLS | C3641061 | Distant metastases |  | C3641061 |
| 99PMP | [300014](#P99PMP_300014) | Local and regional |  |  |
| 99PMP | [300010](#P99PMP_300010) | Local disease and distant metastases |  |  |

**CID QIICR\_2014 Extent of Resection**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2014. Extent of Resection**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | P1-03002 | Complete excision | 79095000 | C0015250 |
| SRT | P1-03001 | Partial excision | 38829003 | C0184908 |
| SRT | R-4135B | Not performed | 262008008 | C0445106 |

**CID QIICR\_2015 Antineoplastic Agent**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2015. Antineoplastic Agent**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | F-61F04 | Cetuximab | 409400001 | C0995188 |
| SRT | C-15310 | Platinum | 11996000 | C3536919 |
| SRT | C-3013D | Taxane | 418965003 | C1642388 |
| SRT | C-780F0 | 5FU | 3127006 | C0016360 |

**CID QIICR\_2016 Histologic Grade**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2016. Histologic Grade**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | G-F211 | Grade 1: well differentiated | 54102005 | C0475269 |
| SRT | G-F212 | Grade 2: moderately differentiated | 1663004 | C0475270 |
| SRT | G-F213 | Grade 3: poorly differentiated | 61026006 | C0475271 |
| SRT | R-41DC5 | Grade 4: undifferentiated | 258245003 | C0475272 |

**CID QIICR\_2017 Malignancy Type**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2017. Malignancy Type**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | D1-F3502 | Carcinoma in situ | 109355002 | C0007099 |
| UMLS | C1334274 | Invasive carcinoma |  | C1334274 |

**CID QIICR\_2018 Tumor Margin Status**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2018. Tumor Margin Status**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | G-8DA4 | Surgical margin involved by tumor | 370109009 | C0332649 |
| 99PMP | [300004](#P99PMP_300004) | Surgical margin close to tumor |  |  |
| SRT | M-09400 | Surgical margin uninvolved by tumor | 55182004 | C0332648 |

**CID QIICR\_2019 Perineural Invasion**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2019. Perineural Invasion**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | G-F538 | Perineural invasion by tumor present | 369731000 | C1269945 |
| SRT | G-F7A3 | Perineural invasion by tumor absent | 370051000 | C1269954 |

**CID QIICR\_2020 Vascular Invasion**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2020. Vascular Invasion**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | R-002A7 | Vascular invasion by tumor present | 372287009 | C1318569 |
| SRT | G-F519 | Vascular invasion by tumor absent | 127494000 | C1264755 |

**CID QIICR\_2021 Lymph Node Group**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2021. Lymph Node Group**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| 99PMP | [300005](#P99PMP_300005) | Level I - Submental and submandibular lymph node group |  |  |
| SRT | T-C420B | Level II - Upper jugular lymph node group | 245261007 | C0447165 |
| SRT | T-C420C | Level III - Middle jugular lymph node group | 245262000 | C0447167 |
| SRT | T-C420D | Level IV - Lower jugular lymph node group | 245263005 | C0447166 |
| SRT | T-C420E | Level V - Posterior triangle cervical lymph node group | 245264004 | C0447168 |
| 99PMP | [300006](#P99PMP_300006) | Cervical lymph node outside level I through V |  |  |

**CID QIICR\_2022 Same or Different Side**

**Type: Extensible**

**Version: 20150228**

**Table CID QIICR\_2022. Same or Different Side**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | R-40356 | Ipsilateral | 255208005 | C0441989 |
| SRT | R-40357 | Contralateral | 255209002 | C0441988 |

**CID 230 Yes-No**

**Type: Non-Extensible**

**Version: 20060613**

**Table CID 230. Yes-No**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | R-0038D | Yes | 373066001 | C1298907 |
| SRT | R-00339 | No | 373067005 | C1298908 |
| SRT | R-0038A | Undetermined | 373068000 | C3536725 |

**CID 3722 Diabetic Therapy**

**Type: Extensible**

**Version: 20141103**

**Table CID 3722. Diabetic Therapy**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | F-02F14 | Diabetic on Dietary Treatment | 170745003 | C0421246 |
| SRT | F-02F15 | Diabetic on Oral Treatment | 170746002 | C0421247 |
| SRT | F-02F16 | Diabetic on Insulin | 170747006 | C0421248 |

**Note**

In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

**CID 3724 Smoking History**

**Type: Extensible**

**Version: 20070827**

**Table CID 3724. Smoking History**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **NCDR [2.0b] Equivalent** | **SNOMED-CT Concept ID** |
| --- | --- | --- | --- | --- |
| SRT | F-9321F | No History of Smoking | 38-0 | 266919005 |
| SRT | S-32000 | Current Smoker | 38-1 | 77176002 |
| SRT | S-32070 | Former Smoker | 38-2 | 8517006 |

**Note**

In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

**CID 3769 Concern Types**

**Type: Extensible**

**Version: 20070827**

**Table CID 3769. Concern Types**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | F-04BA9 | Complaint | 409586006 | C0277786 |
| SRT | DF-00000 | Disease | 64572001 | C0012634 |
| SRT | R-005AE | Finding | 404684003 | C0037088 |
| SRT | R-005E0 | Finding reported by patient/informant | 418799008 | C1689949 |
| SRT | F-03E55 | Functional performance and activity | 248536006 | C0424866 |
| SRT | F-01000 | Problem | 55607006 | C0033213 |

**CID 7455 Sex**

This Context Group includes terms for the finding of sex of a subject for clinical purposes, such as selection of sex-based growth metrics.

**Type: Non-Extensible**

**Version: 20040112**

**Table CID 7455. Sex**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **Patient's Sex (0010,0040) Equivalent** |
| --- | --- | --- | --- |
| DCM | M | Male | M |
| DCM | F | Female | F |
| DCM | U | Unknown sex |  |
| DCM | MP | Male Pseudohermaphrodite |  |
| DCM | FP | Female Pseudohermaphrodite |  |
| DCM | H | Hermaphrodite |  |
| DCM | MC | Male changed to Female |  |
| DCM | FC | Female changed to Male |  |
| DCM | 121104 | Ambiguous sex |  |
| DCM | 121102 | Other sex |  |
| DCM | 121103 | Undetermined sex | O |

**Note**

1. These terms are distinct from the gender of a subject for administrative purposes, although the default value for clinical sex is often based on the administrative gender (e.g., see TID 1007 "Subject Context, Patient"). The administrative value "O" from Patient's Sex (0010,0040) maps by default to "undetermined" for clinical purposes.

1. This Context Group in a prior edition of the Standard included codes improperly attributed to ISO 5218.

1. These terms are derived from the terminology and codes for sex in ASTM E1633-02a "Standard Specification for Coded Values Used in the Electronic Health Record."

**CID 7601 Head and Neck Cancer Anatomic Sites**

**Type: Extensible**

**Version: 20150106**

**Table CID 7601. Head and Neck Cancer Anatomic Sites**

| **Coding Scheme Designator** | **Code Value** | **Code Meaning** | **SNOMED-CT Concept ID** | **UMLS Concept Unique ID** |
| --- | --- | --- | --- | --- |
| SRT | T-53131 | base of tongue | 7283002 | C0226958 |
| SRT | T-51305 | buccal mucosa | 16811007 | C1578559 |
| SRT | T-51200 | floor of mouth | 36360002 | C0026638 |
| SRT | T-24440 | glottis | 1307006 | C0017681 |
| SRT | T-55300 | hypopharynx | 81502006 | C0020629 |
| SRT | T-24100 | larynx | 4596009 | C0023078 |
| SRT | T-C5140 | lingual tonsil | 2048000 | C0229871 |
| SRT | T-52000 | lip | 48477009 | C0023759 |
| SRT | T-D07CB | lower alveolar ridge | 288546009 | C0222755 |
| SRT | T-22100 | maxillary sinus | 15924003 | C0024957 |
| SRT | T-21301 | nasal cavity | 279549004 | C0027423 |
| SRT | T-23000 | nasopharynx | 71836000 | C0027442 |
| SRT | T-51004 | oral cavity | 74262004 | C0226896 |
| SRT | T-C5000 | oropharyngeal tonsil (waldeyer's ring) | 17861009 | C0459892 |
| SRT | T-55200 | oropharynx | 31389004 | C0521367 |
| SRT | T-C5100 | palatine tonsil | 75573002 | C0040421 |
| SRT | T-51130 | palatine uvula | 26140008 | C0042173 |
| SRT | T-22000 | paranasal sinus | 2095001 | C0030471 |
| SRT | T-C5300 | pharyngeal tonsil (adenoid) | 55940004 | C0001428 |
| SRT | T-55320 | pyriform sinus | 6217003 | C0227170 |
| SRT | T-51600 | retromolar trigone | 85816001 | C0226920 |
| SRT | T-61007 | salivary gland | 385294005 | C0036098 |
| SRT | T-24454 | supraglottis | 119255006 | C0225574 |
| SRT | T-53000 | tongue | 21974007 | C0040408 |
| SRT | T-C5001 | tonsil and adenoid | 303337002 | C0580788 |
| SRT | T-C5330 | tubal tonsil | 21058000 | C0229883 |
| UMLS | C0221297 | unknown primary neoplasia site |  | C0221297 |
| SRT | T-51130 | uvula | 26140008 | C0042173 |

**X 99PMP Controlled Terminology Definitions**

**Table X-n. 99PMP Controlled Terminology Definitions**

| **Code Value** | **Code Meaning** | **Definition** | **Notes** |
| --- | --- | --- | --- |
| 300001 | Resection of primary tumor |  |  |
| 300002 | Radiation dose per fraction |  |  |
| 300004 | Surgical margin close to tumor |  |  |
| 300005 | Level I - Submental and submandibular lymph node group |  |  |
| 300006 | Cervical lymph node outside level I through V |  |  |
| 300010 | Local disease and distant metastases |  |  |
| 300011 | Post-radiotherapy treatment |  |  |
| 300012 | Date of 2nd primary |  |  |
| 300013 | Location of first recurrence |  |  |
| 300014 | Local and regional |  |  |
| 300015 | Pathology of original tumor |  |  |
| 300016 | Pathology of recurrent tumor |  |  |