Agenda

- XML Clearinghouse
  - Valerie Yoder
- v22B-V23 Changes
  - Elaine Collins
- Northcon Conversion Utility
- Creating a v23 Edits Metafile
  - Matthew Mayfield
- Edits Clearinghouse
  - Jim Hofferkamp
Information Resources for v23

- NAACCR 2023 Implementation Guidelines and Recommendations
  - https://www.naaccr.org/?s=implementation+guidelines
- NAACCR Data Dictionary and Required Status Table
- ICD-O-3 coding materials, NAACCR and SEER websites
- SSDI Manual, Grade Manual
  - https://www.naaccr.org/?s=grade+manual
- AJCC Version 9 protocols
- Communications from standard setters and coding manuals
- SEER*RSA website
  - https://staging.seer.cancer.gov/
Edit Documentation

- EW5 – edit Descriptions and Administrative Notes
  - Edit Detail Report
  - Edit Change Spreadsheet

- Edit Sets
  - Edit Set Spreadsheet


Clinical Margin Width, Date DX (NAACCR)
Agency: NAACCR
Edit Tag N6734

Description
The edit is skipped if Date of Diagnosis is blank (unknown), invalid.

1. This data item must be blank for pre-2023 diagnoses.
2. Must be a valid Clinical Margin Width code or blank:
   - 0.1: Documented as 0.1 centimeter or less (1mm or less)
   - 0.2-9.9: 0.2-9.9 centimeters
   - XX.1: 10 centimeters or greater
   - XX.8: Not applicable: Information not collected for this schema
   - XX.9: Not documented in medical record
     - No wide excision performed
     - Mohs or similar procedure
     - Wide excision performed, but clinical margin width not documented.
     - No surgical resection performed (8000)
     - Unknown if procedure performed
     - Blank N/A—Diagnosis year prior to 2023
3. Code must contain decimal point with at least one character before and one character after decimal point.

Another edit, Clinical Margin Width, Schema ID, Required (NAACCR), checks that the item is coded by Schema ID if required by a standard setter.
Webinar for Central Registry Edits Metafile
Administrators

9/29/2022

Changes for V23

New Protocols/Schemas

- AJCC Version 9 Protocols for Appendix, Anus, Brain, Medulloblastoma
  - Same AJCC ID for Appendix - 19, Anus - 21
  - New AJCC ID for Brain – 72.1, Medulloblastoma – 72.2
    - Changes in histology lists for v23
    - No changes in histology lists for 09190, 09210
    - Changes in histology lists for 09721, 09722, 09723, 09724
Changes for V23 – New Data Items

• New Site-Specific Data Items
  • Clinical Margin Width – Melanoma of Skin
  • Histologic Subtype – Appendix
  • p16 – Anus [existing SSDI used in new schema]

• New Treatment Items
  • RX Hosp—Surg Prim Site 2023
  • RX Summ—Surg Prim Site 2023
    • B000-B990 for Skin
    • A000-A990 for all other primary sites

• New Data Flags
  • No Patient Contact Flag
  • Reporting Facility Restriction Flag

Changes for V23 – Current Data Items

• Treatment Items
  • RX Hosp—Surg Prim Site renamed RX Hosp—Surg Prim Site 03-2022
  • RX Summ—Surg Prim Site rename RX Summ—Surg Prim Site 03-2022
    • Items must be blank for 2023 and later diagnoses

• Text Items
  • Length changed from 1000 to 4000 characters
Changes for V23 – Retired Items

- Date Flags
  - All date flags retired from NAACCR Data Dictionary
  - All edits with date flags revised or deleted

- Grouped Items
  - Example - Morph—Type&Behav ICD-O-3
  - All edits with grouped items revised – Histologic Type ICD-O-3 plus Behavior Code ICD-O-3

- SEER Items
  - ICD-O-2 Conversion Flag; SEER Coding Sys—Current, Original; SEER Record Number; SEER Type of Follow-Up
  - All edits with SEER retired items revised or deleted

Changes for V23-Layout

- Layout no longer required with Edit Engine 5.1 .dll
### Changes Spreadsheet

**Corrections Page**

- Usual spreadsheet, color-coding
  - Green – logic
  - Light orange – edit name change
  - Orange – description, message, agency
  - Red – deleted
  - Blue – edit included on other page of spreadsheet
- Changes in tables, edits – in alphabetical order

### Changes Spreadsheet

**SEER Skips**

- SEER Skips on edits for Texas and Illinois included in v22B
  - Skips revised for many edits as listed, mostly Site-Specific Data Items
Changes Spreadsheet Review Updates Page

- Changes to existing edits based on reviews of data items/coding instructions
  - Site-Specific Data Items
    - Allowable code for Behavior /2 identified
  - Treatment dates for NPCR edits
    - Required treatment by date of diagnosis matched to historic record of NPCR requirements
  - Summary Stage 2018 for Hematopoietic Histologies
    - Edits skipped for Type of Reporting Source = 7

Changes Spreadsheet Updates Page

- Deleted and revised data items
- Table updates for 2023 schemas
- Edit Sets – all removals or additions of existing edits
- Edits – all deletions or changes to existing edits required for consistency with 2023 data requirements
Changes Spreadsheet
New Edits Page

- New data items for 2023
- New tables for 2023
- New edits for 2023

Changes Spreadsheet – Categories Page

- Edits with Changes for New Schemas
  - General, Appendix, Anus, Brain
- Edits modified for 2023 Surgery Coding
  - Pre-2023, 2023+
- Edits for new items
- Edits with other changes for 2023
- Other changes
  - Changes in dates for NPCR required treatment items, Other
Changes Spreadsheet – Categories Page

- Corrections
  - Deletions, Descriptions corrected, Logic changes for prior date flag removal, Other
- Deleted edits with date flags
  - Edits with date flag removed
  - Edits with retired grouped data items
- Deleted edits for retired SEER data items
  - Edits modified for retired SEER data items

Changes Spreadsheet – Categories Page

- Site-Specific Data Item Updates
  - Code for Behavior /2 identified
  - Change in RX Summ—Scope Reg LN Sur code allowed with SSDI codes
  - Code 97 added for Regional Nodes Positive
  - SSDI paired data items
  - Code 0 added for LN Assessment with LN Status = 9
  - Other

- Edits with change to applicability for earlier diagnosis date
Customization Tips

- Delete any deleted standard edits used in custom metafile
- If any custom edits based on surgery of primary site:
  - Import any associated edit messages or tables separately
  - Import without dependencies. Update the item name in the edit name or edit logic:
    - RX Summ—Surg Prim Site >> RX Summ—Surg Prim Site 03-2022
- If any custom edits based on Site-Specific Data Items, check codes used for Behavior /2
- New data flags are meant to apply to all years
Identified Edit Problem in v23

- N2824, _SYS Schema ID, Primary Site, Histology (NAACCR)
  - Included in Edit Set NES0149, Central: Vs 23 NPCR Required – Consol-All Edits and Edit Set NES0351, Vendor _SYS Edits
  - This edit does not correctly evaluate Schema ID for sites/histologies assigned to the new Schema IDs 09721, 09722, 09723
  - Evaluation of AJCC ID, 09724 (Medulloblastoma), other edits referencing these Schema IDs NOT affected
- Options:
  - Hold any cases that fail until release of next metafile with corrected table
  - Remove edit from edit set used to evaluate registry consolidated data
  - Delete edit from metafile if unable to modify edit set

Thank you for your attention!

As always, please report any problems you or your reporting facilities find in using the metafile.

NAACCR EDITS METAFILE: NAACCR_V23
May be downloaded from NAACCR website: www.NAACCR.org

For NAACCR metafile support, contact:
Jim Hofferkamp jhofferkamp@naaccr.org
217 698 0800 x 5

For EDITS software support, contact: cancerInformatics@cdc.gov
Overview of NorthCon 230

September 29, 2022

Michelle Esterly

Katmai Government Services
Contractor to National Program of Cancer Registries
Division of Cancer Prevention and Control
Centers for Disease Control and Prevention
NorthCon: General Information

- Tool for converting files in one NAACCR Version to the next NAACCR version
  https://www.cdc.gov/cancer/npcr/tools/registryplus/up.htm

- Converts files of cancer registry records; API also included in the install which can be used to perform conversion with applications other than the NorthCon executable

- Meets conversion specifications described in the NAACCR Implementation Guidelines and Recommendations
  https://www.naaccr.org/implementation-guidelines/

V23 Conversion Specifications

- Performs conversions related to radiation treatment and staging for cases diagnosed on or after January 1, 2018

- Generates listings for manual review – radiation treatment Histology AJCC TNM if required

- Performs conversion for Soft Tissue – for specified site and histology combinations, Schema ID set to 00450 AJCC ID set to 45

- Sets Staging API Version Current fields based on version of APIs

- Sets NAACCR Record Version to 230
NorthCon 230 Notes

- NorthCon 230 Documentation
  - Conversion to NAACCR v23
  - NorthCon 230 Conversion Spreadsheet

- Validation

- Base Dictionaries

Conversion Examples

4.1 Rad Regional RX Modality [1570] and RX Symm – Radiation [1360]

The older radiation fields are not collected for newer cancers as they have been replaced by the Phase I, II and III fields. Automated changes are only made if all three radiation fields, RX Symm – Radiation [1360], Rad Regional RX Modality [1570], and Phase I Radiation Treatment Modality [1260], are in agreement (all indicate treatment, no treatment, or unknown). Manual review will be necessary if existing values are in conflict (see below).

If Date of Diagnosis on or after January 1, 2018 and RX Symm – Radiation [1360] is not blank OR Rad Regional RX Modality [1570] is not blank:

- If RX Symm – Radiation = 0.7 (for radiation) or blank and Rad Regional RX Modality = 00 or blank and Phase I Radiation Treatment Modality = 00
  - Set RX Symm – Radiation to Blank
  - Set Rad Regional RX Modality to Blank

4.4 ACC Version 9 Cervix Uteri Histologies

The following histology terms and codes were used by pathologists in 2001 in the CAP Protocol, but registries did not have access to these codes. Cervix [C530 – C539] cases diagnosed in 2001 are flagged for review to identify when the pathology report used the following histologies so they can be recorded.

For Date of Diagnosis [936] on or after January 1, 2022, where ACC Code [989] = 52 (Cervix Uteri), manual review is recommended for all cases, all Histology [C00-9] [522] codes. Recommend review of all cases to see if they should have been more appropriately coded to one of the following histologies:

- 8095 Squamous cell carcinoma, HPV-associated
- 8086 Squamous cell carcinoma, HPV-independent
- 8463 Adenocarcinoma, HPV-associated
- 8464 Adenocarcinoma, HPV-independent, NOS
- 8482 Adenocarcinoma, HPV-independent, gastric type
- 8330 Adenocarcinoma, HPV-independent, clear cell type
- 9130 Adenocarcinoma, HPV-independent, mesenchymal type

As these are being reviewed, if p16 [19560] is blank, the test should also be reviewed and p16 must be set.
Resources

- NAACCR 2023 Implementation Guidelines and Recommendations
  (https://www.naaccr.org/implementation-guidelines/)

- NorthCon 230 Conversion Spreadsheet
  (https://www.cdc.gov/cancer/npcr/tools/registryplus/up.htm)

- Conversion to NAACCR v23.docx
Thank you!

Go to the official federal source of cancer prevention information:
www.cdc.gov/cancer

For questions regarding Registry Plus tools contact: cancerinformatics@cdc.gov

Creating a v23 Metafile
Mathew Mayfield
Developing a V23 Metafile: Importing Customizations

Matt Mayfield, MS, CTR
NPCR EDITS Coordinator
cancerinformatics@cdc.gov

Informatics, Data Science, and Applications Team (IDSAT)
Cancer Surveillance Branch
Division of Cancer Prevention and Control
NCRA
Focus of this Presentation

SELECT: Importing from previous metafile

- NPCR’s **EditWriter** software
- Associated with a **major update** or **new metafile** version release
- Agencies will import V22 customizations (Import metafile) into V23 standard metafile (Target metafile)
- V23 does not require a LAYOUT
- Import order is important!
- Some agencies may require a different approach to updating custom objects. Support is available at: [cancerinformatics@cdc.gov](mailto:cancerinformatics@cdc.gov).
New Metafile Release

- New Metafile Release (major update)
  - Customizations
    - Import previous customizations
    - Add new fields and new edits
    - User defined dictionary is required for custom fields that are edited (XML Exchange Plus)
  - No Customizations
    - Download the standard V23 metafile. Choose your edit set and rename the metafile before distributing.
PRIOR TO BEGINNING THIS PROCESS

☐ Review the NAACCR V23 changes spreadsheet
  ☐ Standards for Cancer Registries, Standard Data Edits, Volume IV – NAACCR

☐ Carefully review custom edits and edit sets
  ☐ Edits have changed (see Elaine’s presentation)
    ☐ Edit examples: N2824, N2843, N6780-84
  ☐ Avoid reintroducing deleted edits
  ☐ Any customized edits with a DATE FLAG should not be imported
  ☐ All changes will need to be incorporated in your custom edits/edit sets

☐ Create a User Defined Dictionary: NPCR’s XML Exchange Plus
  ☐ Match field number in metafile with data dictionary
  ☐ We recommend newly added custom item numbers range from 9500-9999 to be consistent with NPCR RegPlus control tables (9000-9999 allowable)
NPCR-EDITS Software

EditWriter

Metafile
Customizations

GenEdits Plus

Generates Edit Reports

XML Exchange Plus

Create User Defined Dictionary. This should be completed before starting your custom metafile. You will need the assigned field numbers

https://www.cdc.gov/cancer/npcr/tools/edits/edits50.htm
EditWriter: Import Metafile Definitions

• Target Metafile
  • Metafile that will receive imported objects (V23)

• Import or Source Metafile
  • Metafile from which objects will be selected for import (V22)
Download the V23 metafile to any location on your computer.
Download NPCR’s EditWriter

Download or verify you are using the latest version of EditWriter. Note that the version shown (2017Aug15) is appropriate for V23 customizations.
Open the V23 metafile in EditWriter

Select OPEN (upper left) and browse to the location on your computer where you saved the V23 metafile. Now select OPEN in the file window (lower right).
Login Prompt will appear

- Select CANCEL to access the V23 metafile without logging in.

- Existing users will import login credentials in a later step.

- New users will need to create a login and password. Instructions are found in the EditWriter help menu. Remember your credentials. NPCR does not have access to your application.
Select IMPORT from the EditWriter tool bar and browse to your customized V22 metafile. Highlight the metafile you need and select OPEN in the file browser.
Import Metafile Options: Use TAG to Match Objects

Keep default options on TAG and select OK.
Select only AGENCIES from the MCO menu and import your agency to the V23 metafile.
# Import Custom Fields

Filter to your agency for quick access to your custom objects.

All new fields added to the metafile must have item numbers specified. The item numbers must correspond with your user defined dictionary.

Move highlighted object from import metafile into target metafile grid.

<table>
<thead>
<tr>
<th>Status</th>
<th>Object</th>
<th>Record Key</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHG* Field</td>
<td>RX Hosp-Surg Prim Site [#</td>
<td>COC</td>
<td></td>
</tr>
<tr>
<td>NEW Field</td>
<td>Subsq RX 2nd Course Codes</td>
<td>COC</td>
<td></td>
</tr>
<tr>
<td>NEW Field</td>
<td>Subsq RX 3rd Course Codes</td>
<td>COC</td>
<td></td>
</tr>
<tr>
<td>NEW Field</td>
<td>Subsq RX 4th Course Codes</td>
<td>COC</td>
<td></td>
</tr>
<tr>
<td>CHG* Field</td>
<td>NMRRegional Nodes Examined</td>
<td>NMM</td>
<td></td>
</tr>
<tr>
<td>CHG* Field</td>
<td>NMRRegional Nodes Positive</td>
<td>NMM</td>
<td></td>
</tr>
<tr>
<td>NEW Field</td>
<td>Date 1st Crs RX COC Flag [#</td>
<td>NAACCR</td>
<td></td>
</tr>
<tr>
<td>NEW Field</td>
<td>Date Conclusive DX Flag [#</td>
<td>NAACCR</td>
<td></td>
</tr>
<tr>
<td>NEW Field</td>
<td>Date Initial RX SEER Flag [#</td>
<td>NAACCR</td>
<td></td>
</tr>
<tr>
<td>NEW Field</td>
<td>Date of 1st Contact Flag [#</td>
<td>NAACCR</td>
<td></td>
</tr>
<tr>
<td>NEW Field</td>
<td>Date of Birth Flag [#</td>
<td>NAACCR</td>
<td></td>
</tr>
<tr>
<td>NEW Field</td>
<td>Date of Death-CanadaFlag</td>
<td>NAACCR</td>
<td></td>
</tr>
</tbody>
</table>
Import Custom Messages

Filter to your agency for quick access to your custom objects

Move highlighted object from import metafile into target metafile grid
Import Custom Tables

Filter to your agency for quick access to your custom objects

Move highlighted object from import metafile into target metafile grid
Import Custom Edits

Filter to your agency for quick access to your custom objects

Move highlighted object from import metafile into target metafile grid
**Import Custom Edit Sets**

Filter to your agency for quick access to your custom objects

Move highlighted object from import metafile into target metafile grid

<table>
<thead>
<tr>
<th>Status</th>
<th>Object</th>
<th>Record Key</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEW</td>
<td>Edit Set</td>
<td>MM: Vs22 State Example - Inc</td>
<td>MMM</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHG*</td>
<td>Edit Set</td>
<td>Hosp: Vs22 COC Required - All</td>
<td>COC</td>
</tr>
<tr>
<td>NEW</td>
<td></td>
<td>Blank TNM Fields Edits</td>
<td>NAACCR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Census Tract, County GC Codes</td>
<td>NAACCR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Central: Vs22 State Example - II</td>
<td>NAACCR</td>
</tr>
<tr>
<td>CHG*</td>
<td>Edit Set</td>
<td>EOD Edits for 2018</td>
<td>NAACCR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Extent of Disease Edits</td>
<td>NAACCR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Name-Birth Surname, Check fo</td>
<td>NAACCR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Over-ride Misuse</td>
<td>NAACCR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Quality Control Edits</td>
<td>NAACCR</td>
</tr>
</tbody>
</table>

Select Import
LAYOUTS

• Starting with V23, metafile LAYOUTS are no longer required
• Edits will correspond with the data dictionary by way of item numbers

Do not import a LAYOUT to V23
METAFILE VERSION DOCUMENTATION

• Documentation is one of the last metafile tasks before implementation in central registry software or distribution to reporting facilities

• Within the Edit Writer Tools menu, there is a feature for **Metafile Version and Comment**

• Facilitates communication among reporting facilities, the central registry, vendors, and edits staff who respond to queries and concerns about edits
After recompiling and saving with a unique name, your metafile is ready for distribution!

Next steps:
• You will use GenEDITS to process your datafile edit reports.
Resources

- Review the EditWriter Help documentation
  - F1 menu
  - Sections for Updating a Metafile to a New Major Version
Thank you!

Go to the official federal source of cancer prevention information:
www.cdc.gov/cancer
Edits Clearinghouse

Jim Hofferkamp

Central registries should post their v23 edits metafile by 10/15/22

Current posts will be removed once the site is updated.

If a custom metafile is not posted, please indicate “Not Applicable” in the version field.
Edits Clearinghouse

- A v22 metafile may also be posted if needed.
  - If a v22 metafile has already been distributed and no changes have been made, there is no need to repost.
  - If changes are made to the v22 metafile, a new metafile may be posted with the v23 metafile.

Uploaded Metafiles

- Files will be visible without login
- Metafile version field added
Upload Portal

- Must login to view
- Metafile version field
  - Text field
  - Multiple fields
  - Recommended format
    - V22 v23
    - Not applicable
  - Comment field removed

Submission Portal

- Must login
- Select all option has been added
- Can see which registries you have subscribed to follow
Questions?

Thank you!

Jim Hofferkamp
jhofferkamp@naaccr.org