National Center for Chronic Disease Prevention and Health Promotion

Overview of NPCR EditWriter 5 and NAACCR Metafiles

Acknowledgements

- Kathleen Beaumont
- Susan Capron

NPCR EditWriter

- Overview of NPCR EDITS software
- Terminology
- Metafiles
- EditWriter 5

Overview of EDITS Software

- EditWriter Version 5 (EW5)
  - Used to write edits and create edit sets
- GenEDITS Plus 5 (GEP5)
  - Used to run edits against data files

Terminology

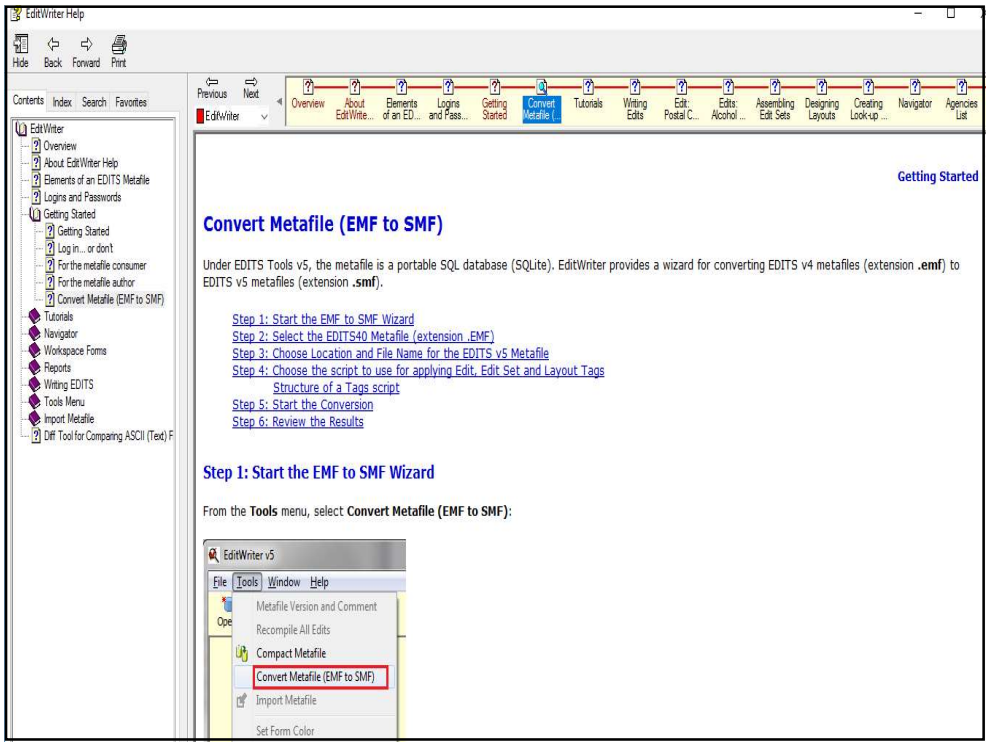
- EDITS (ALL CAPS)
  - A particular software system for applying computerized data validation checks to data
- An edit (not capitalized)
  - A small snippet of computer logic that performs a single test on one or more data files
- Metafile
  - A computer library that organizes edits, data dictionaries, and tables for the EDITS system

Terminology

- Edit Engine
  - A collection of computer functions that may be called by a running program to edit fields of data
  - "Pulls" information from the metafile into another program
- Driver Program
  - A program that uses the Edit Engine
  - GenEDITS Plus is a driver program

EditWriter Help

- Extensively updated
- Excellent resource
- Detailed instructions with print screens
- Press F1 key anywhere within program



Metafiles

- NAACCR Edits Metafile
- NPCR-CSS Call for Data Metafile
- NPCR CER-PCOR Call for Data Metafile
  - 2011 cases only
- NAACCR Call for Data Metafile
- NCDB Metafile
- State-Specific Metafile

What is a Metafile?

- EDITS Metafiles contain everything needed to edit a data file, except the data
- Created and modified using EditWriter

What is a Metafile?

- Key components (objects):
  - Agencies
  - Edits
  - Edit Sets
  - Fields
  - Layouts
  - Messages
  - Tables

What Are Tags?

- Short unique identifiers
- Provide a unique matching key for import
- Simplify look-up of edit object

Edit Tag

Edit Set Tag

Layout Tag

Tag Script

Tag Script

- Critical for converting metafiles containing objects originating from the NAACCR metafile
- EMF-to-SMF converter assigns default Tags
- Provided by NAACCR Metafile Administrator (NAACCR_Tags.txt)
- Assigns universal and unique tag values
- Authors of custom metafiles can create custom tags for custom Edits, Edits Sets, and Layouts
  - Suggest prefixing with USPS two-digit state code

Structure of Tag Script

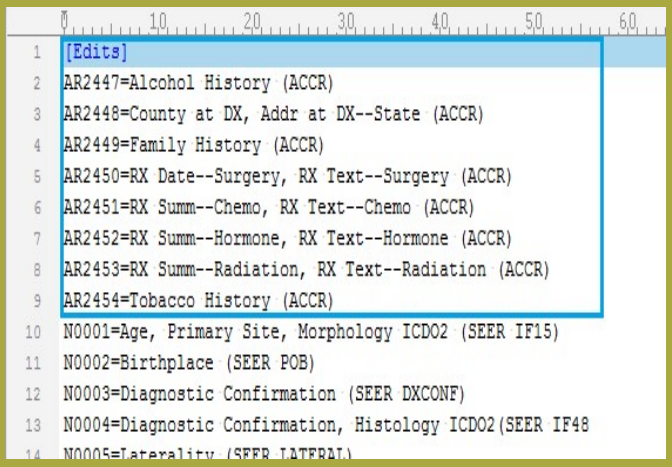
Contains three sections

```
[Edits]
N0001=Age, Primary Site, Morphology ICDO2 (SEER IF15)
N0002=Birthplace (SEER POB)
N0003=Diagnostic Confirmation (SEER DXCONF)
N0004=Diagnostic Confirmation, Histology ICDO2(SEER IF48
N0005=Laterality (SEER LATERAL)
...
N2441=Census Tract 2010, State, County GC 2010 (NAACCR)
N2442=TNM Path T, N, M, In Situ (COC)
N2443=TNM Clin T, N, M, In Situ (COC)
[EditSets]
...
NES0150=Central: Vs14 State Example - Incoming Abstracts
NES0150=Central: Vs15 State Example - Incoming Abstracts
NES0150=Central: Vs16 State Example - Incoming Abstracts
NES0150=Central: Vs17 State Example - Incoming Abstracts
NES0150=Central: Vs18 State Example - Incoming Abstracts
...
[Layouts]
NL0001=NAACCR DATA EXCHANGE VS 14
NL0001=NAACCR DATA EXCHANGE VS 15
NL0001=NAACCR DATA EXCHANGE VS 16
NL0001=NAACCR DATA EXCHANGE VS 17
NL0001=NAACCR DATA EXCHANGE VS 18
```

Customizing Tag Script

- Copy NAACCR_Tags.txt and add custom items.
- Customized script should be updated as new custom objects are created.

Customized Tag Script



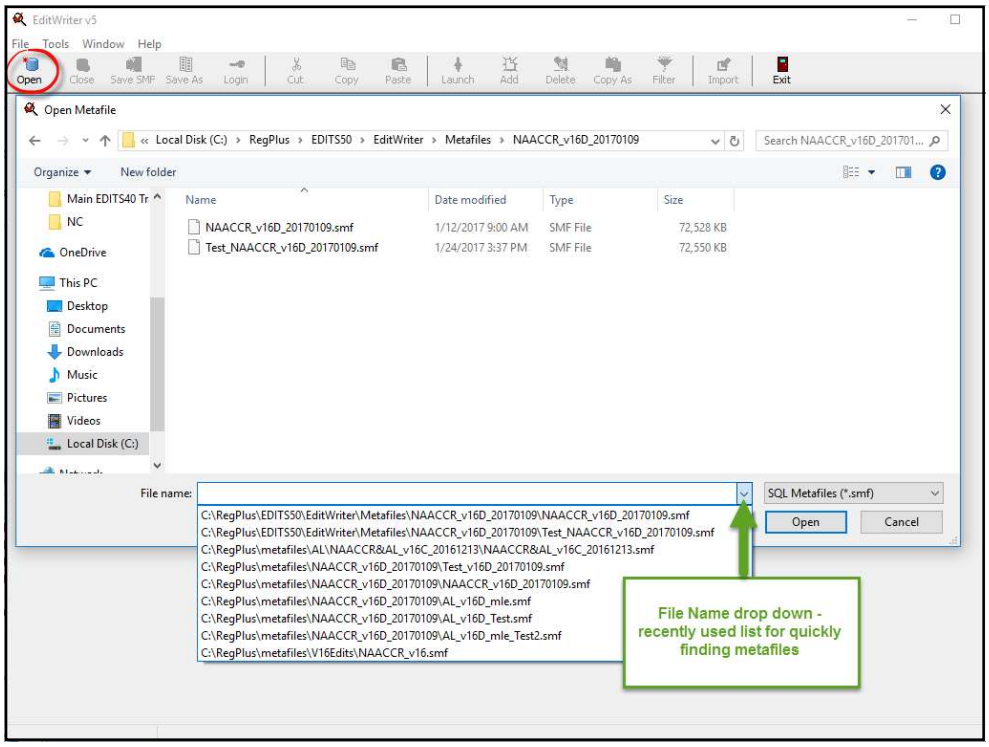
```
1  [Edits]
2  AR2447=Alcohol History (ACCR)
3  AR2448=County at DX, Addr at DX--State (ACCR)
4  AR2449=Family History (ACCR)
5  AR2450=RX Date--Surgery, RX Text--Surgery (ACCR)
6  AR2451=RX Summ--Chemo, RX Text--Chemo (ACCR)
7  AR2452=RX Summ--Hormone, RX Text--Hormone (ACCR)
8  AR2453=RX Summ--Radiation, RX Text--Radiation (ACCR)
9  AR2454=Tobacco History (ACCR)
10 N0001=Age, Primary Site, Morphology ICDO2 (SEER IF15)
11 N0002=Birthplace (SEER POB)
12 N0003=Diagnostic Confirmation (SEER DXCONF)
13 N0004=Diagnostic Confirmation, Histology ICDO2(SEER IF48
14 N0005=Laterality (SEER LATERAL)
```

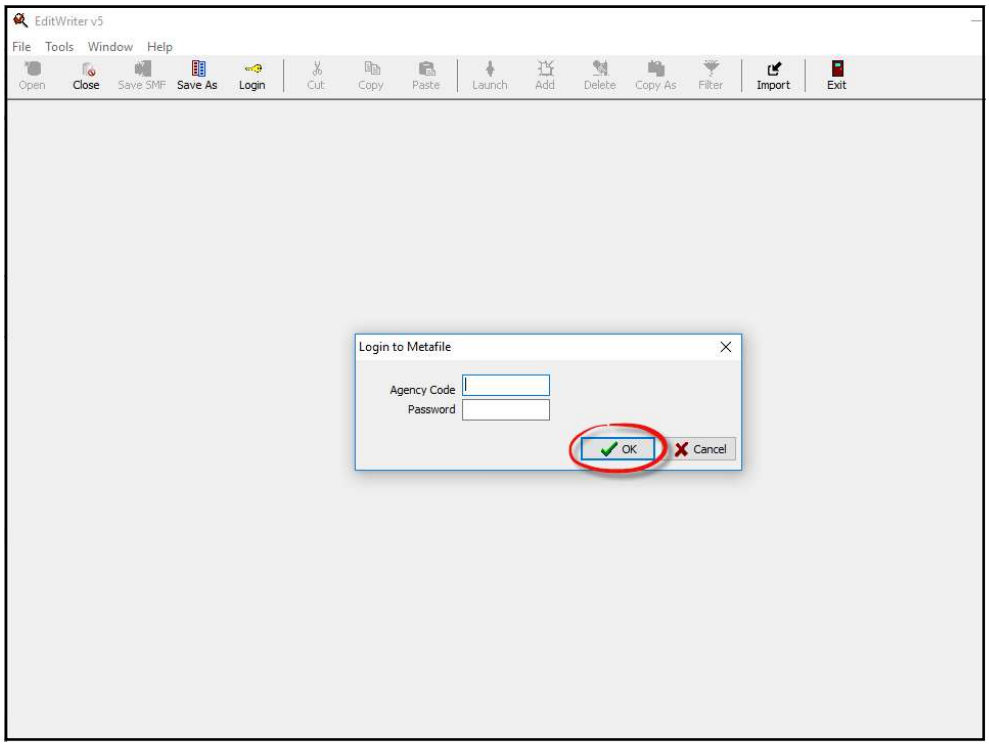
How To Use EditWriter

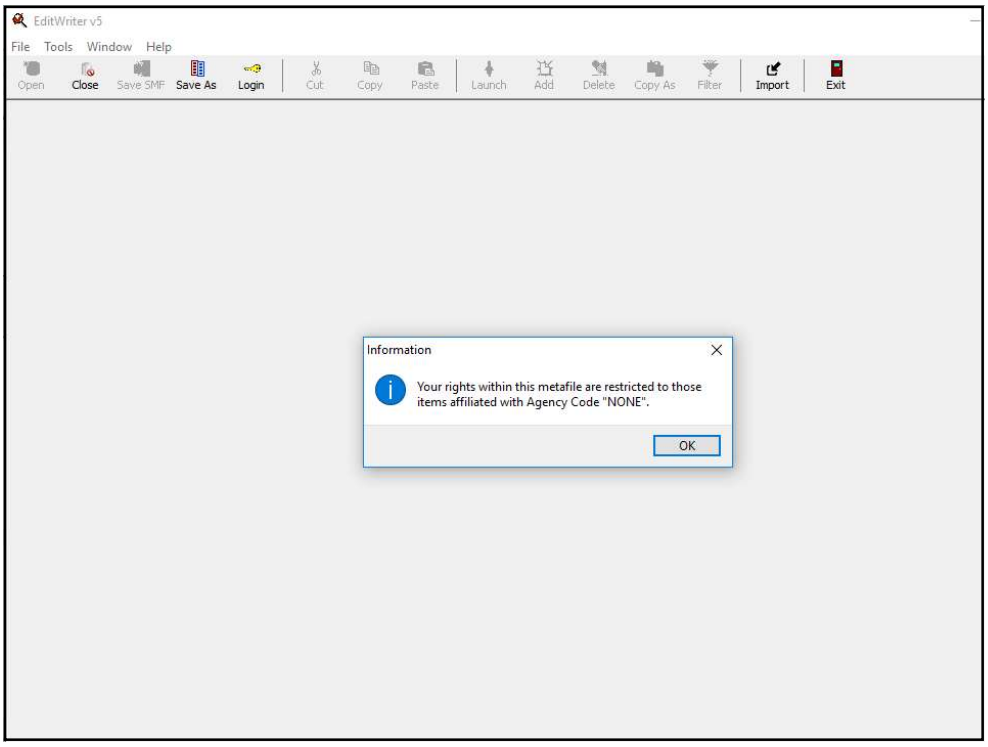
- Have the latest version of EDITS software
  - Available from NPCR
    - https://www.cdc.gov/cancer/npcr/tools/edits/edits50.htm
- Have the latest version of appropriate metafile
  - NAACCR_v16E metafile
    - http://www.naaccr.org/StandardsandRegistryOperations/VolumeIV.aspx

To Use EditWriter

- Launch EditWriter
  - Click on icon
- Select metafile
- Log in


EditWriter v5
File Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Open Metafile
Local Disk (C:) › RegPlus › EDITS50 › EditWriter › Metafiles › NAACCR_v16D_20170109
Search NAACCR_v16D_201701...
Organize New folder
Main EDITS40 Tr
NC
OneDrive
This PC
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
Name
Date modified
Type
Size
NAACCR_v16D_20170109.smf 1/12/2017 9:00 AM SMF File 72,528 KB
Test_NAACCR_v16D_20170109.smf 1/24/2017 3:37 PM SMF File 72,550 KB
File name:
SQL Metafiles (*.smf)
Open
Cancel
C:\RegPlus\EDITS50\EditWriter\Metafiles\NAACCR_v16D_20170109\NAACCR_v16D_20170109.smf
C:\RegPlus\EDITS50\EditWriter\Metafiles\NAACCR_v16D_20170109\Test_NAACCR_v16D_20170109.smf
C:\RegPlus\metafiles\AL\NAACCR&AL_v16C_20161213\NAACCR&AL_v16C_20161213.smf
C:\RegPlus\metafiles\NAACCR_v16D_20170109\Test_v16D_20170109.smf
C:\RegPlus\metafiles\NAACCR_v16D_20170109\NAACCR_v16D_20170109.smf
C:\RegPlus\metafiles\NAACCR_v16D_20170109\AL_v16D_mle.smf
C:\RegPlus\metafiles\NAACCR_v16D_20170109\AL_v16D_Test.smf
C:\RegPlus\metafiles\NAACCR_v16D_20170109\AL_v16D_mle_Test2.smf
C:\RegPlus\metafiles\V16Edits\NAACCR_v16.smf
File Name drop down - recently used list for quickly finding metafiles


EditWriter v5
File Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Login to Metafile
Agency Code
Password
OK
Cancel

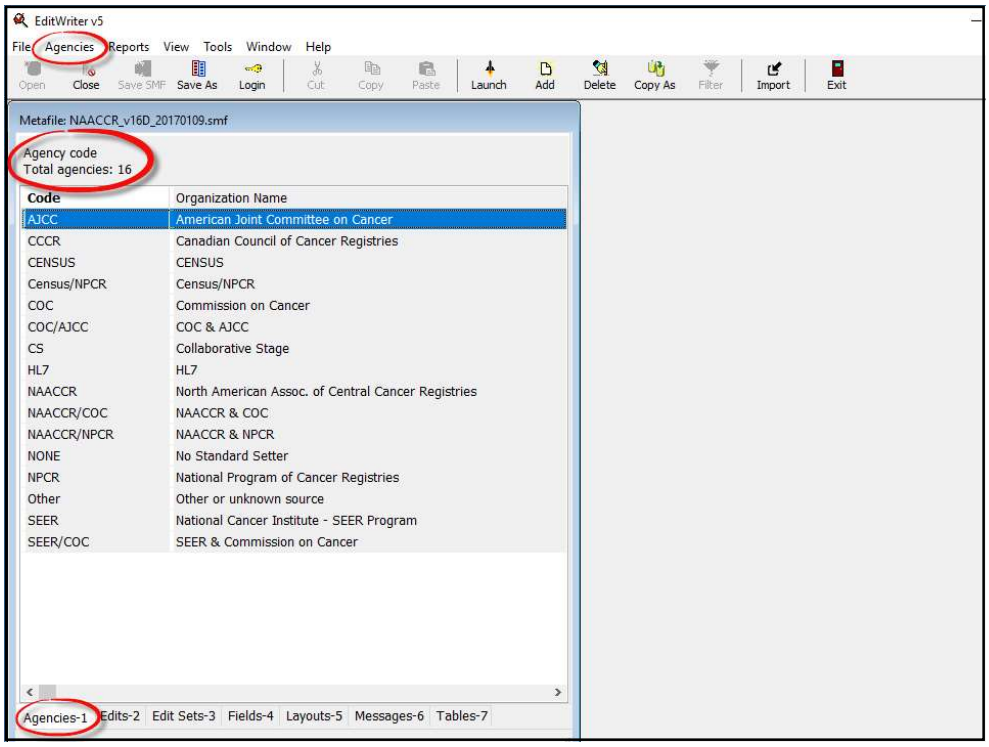


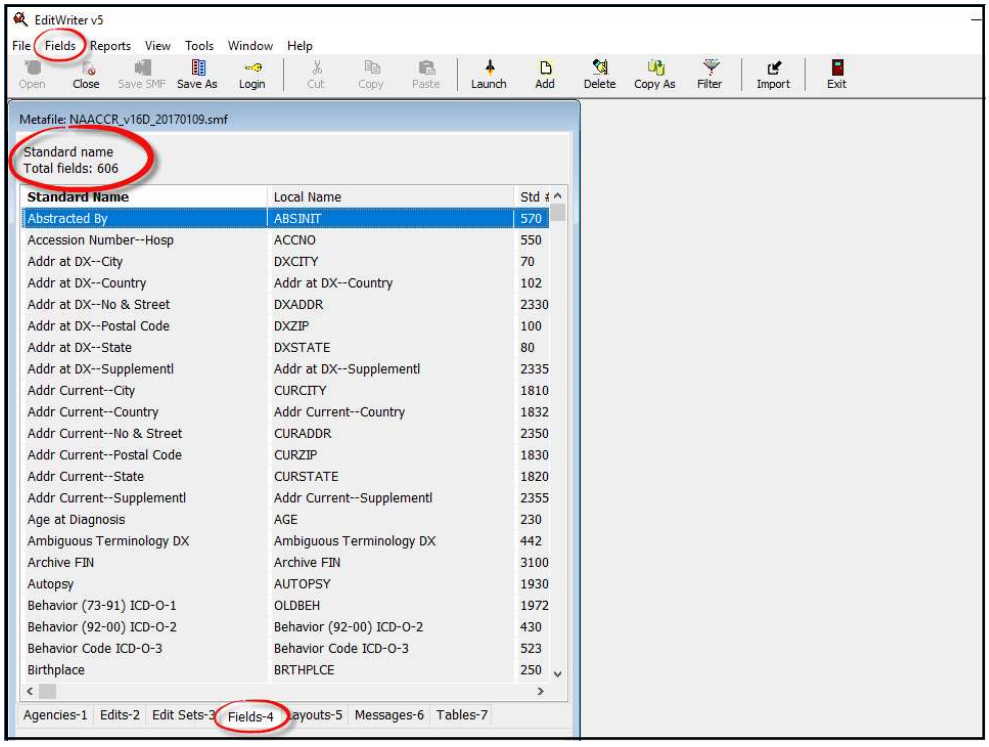
EditWriter

- Navigation Panel
  - View lists of objects (Agencies, Edits, Edit Sets, Fields, Layouts, Messages, Tables)
    - Click View (top menu)

      OR
    - Click on tab at bottom

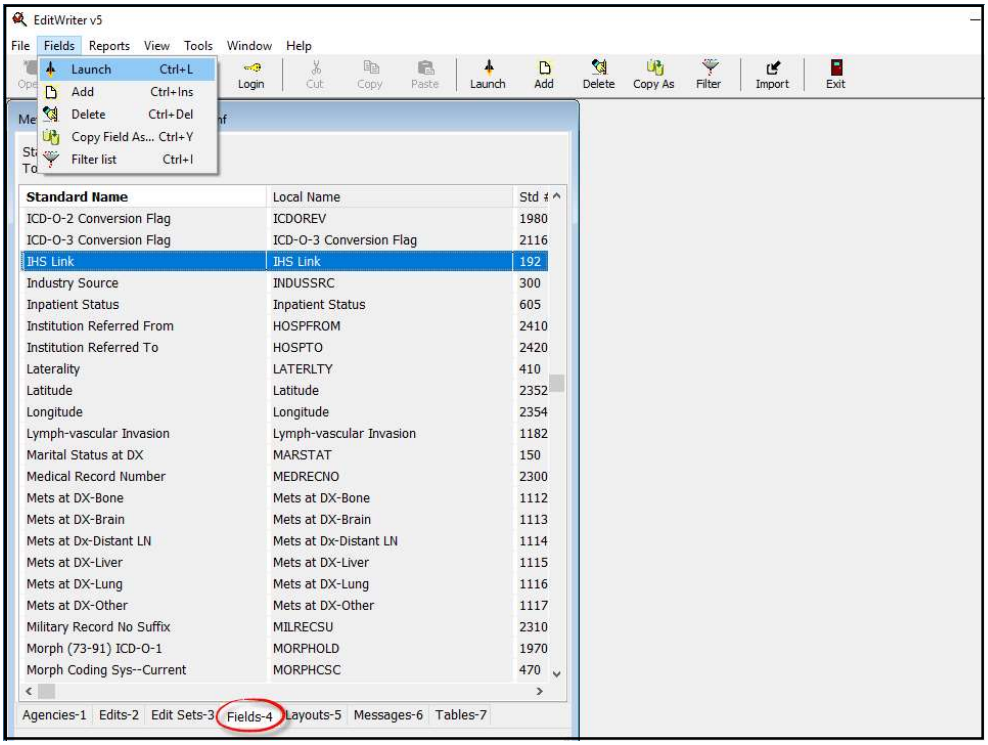
      OR
    - Press CTRL + [number on tab]
    - **Agency** is default list


EditWriter v5
File Agencies Reports View Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Metafile: NAACCR_v16D_20170109.smf
Agency code
Total agencies: 16
Code
Organization Name
AJCC American Joint Committee on Cancer
CCCR Canadian Council of Cancer Registries
CENSUS CENSUS
Census/NPCR Census/NPCR
COC Commission on Cancer
COC/AJCC COC & AJCC
CS Collaborative Stage
HL7 HL7
NAACCR North American Assoc. of Central Cancer Registries
NAACCR/COC NAACCR & COC
NAACCR/NPCR NAACCR & NPCR
NONE No Standard Setter
NPCR National Program of Cancer Registries
Other Other or unknown source
SEER National Cancer Institute - SEER Program
SEER/COC SEER & Commission on Cancer
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7


EditWriter v5
File Fields Reports View Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Metafile: NAACCR_v16D_20170109.smf
Standard name
Total fields: 606
Standard Name
Local Name
Std
Abstracted By ABSINIT 570
Accession Number--Hosp ACCNO 550
Addr at DX--City DXCITY 70
Addr at DX--Country Addr at DX--Country 102
Addr at DX--No & Street DXADDR 2330
Addr at DX--Postal Code DXZIP 100
Addr at DX--State DXSTATE 80
Addr at DX--Supplementl Addr at DX--Supplementl 2335
Addr Current--City CURCITY 1810
Addr Current--Country Addr Current--Country 1832
Addr Current--No & Street CURADDR 2350
Addr Current--Postal Code CURZIP 1830
Addr Current--State CURSTATE 1820
Addr Current--Supplementl Addr Current--Supplementl 2355
Age at Diagnosis AGE 230
Ambiguous Terminology DX Ambiguous Terminology DX 442
Archive FIN Archive FIN 3100
Autopsy AUTOPSY 1930
Behavior (73-91) ICD-O-1 OLDBEH 1972
Behavior (92-00) ICD-O-2 Behavior (92-00) ICD-O-2 430
Behavior Code ICD-O-3 Behavior Code ICD-O-3 523
Birthplace BRTHPLCE 250
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7

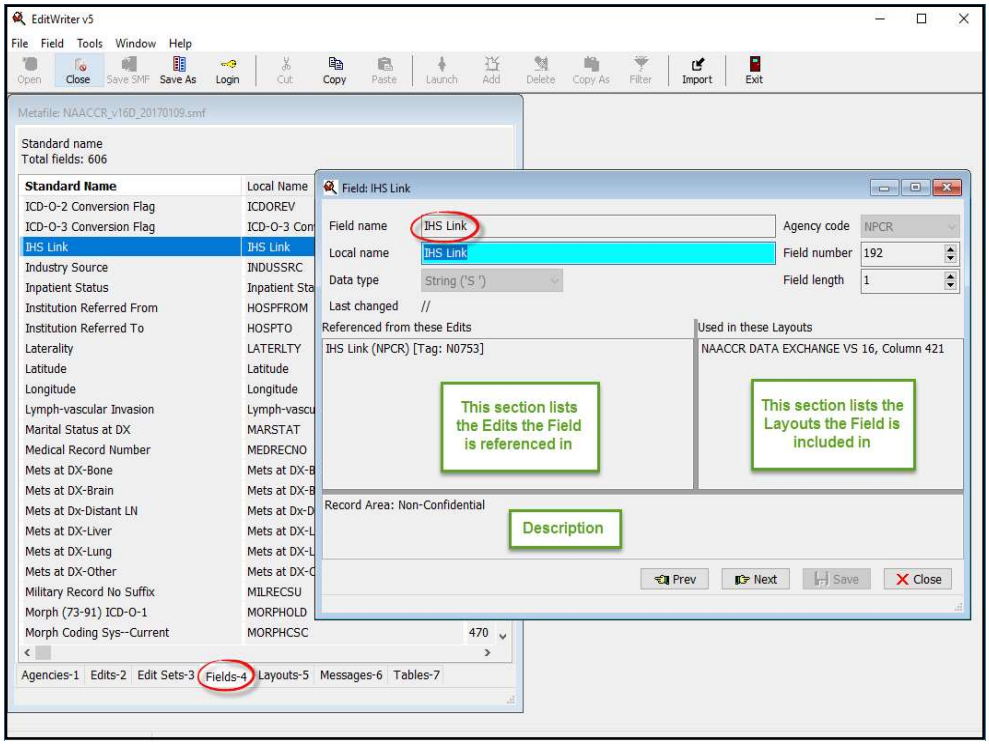
EditWriter

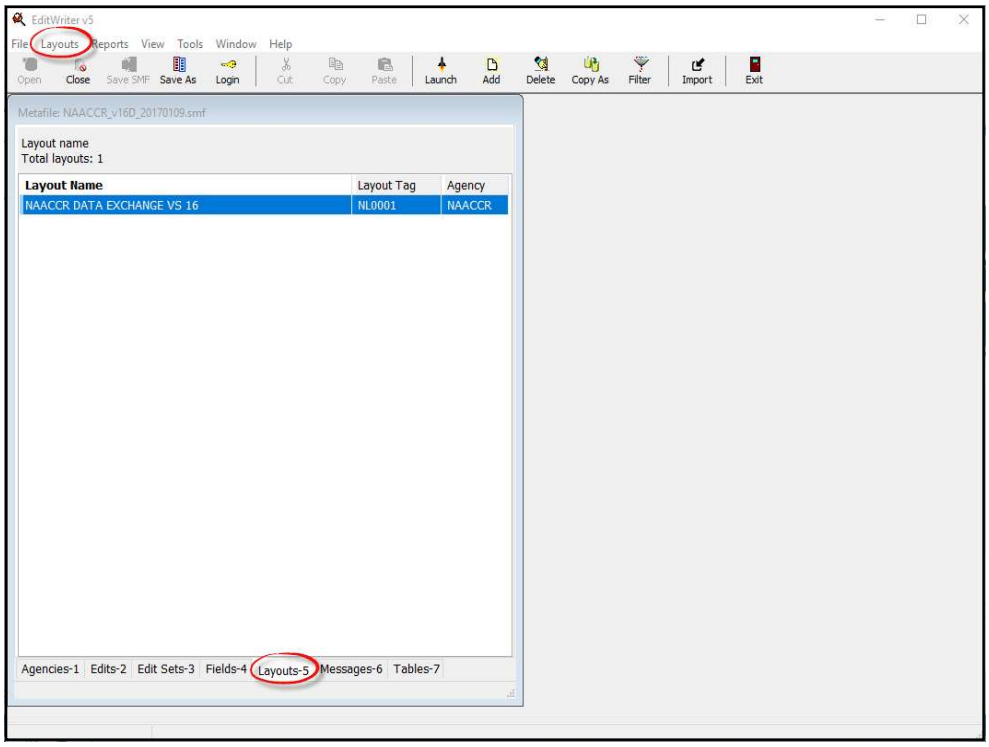
- As each list is displayed, the menu at the top will change to include a drop-down menu specific to that list

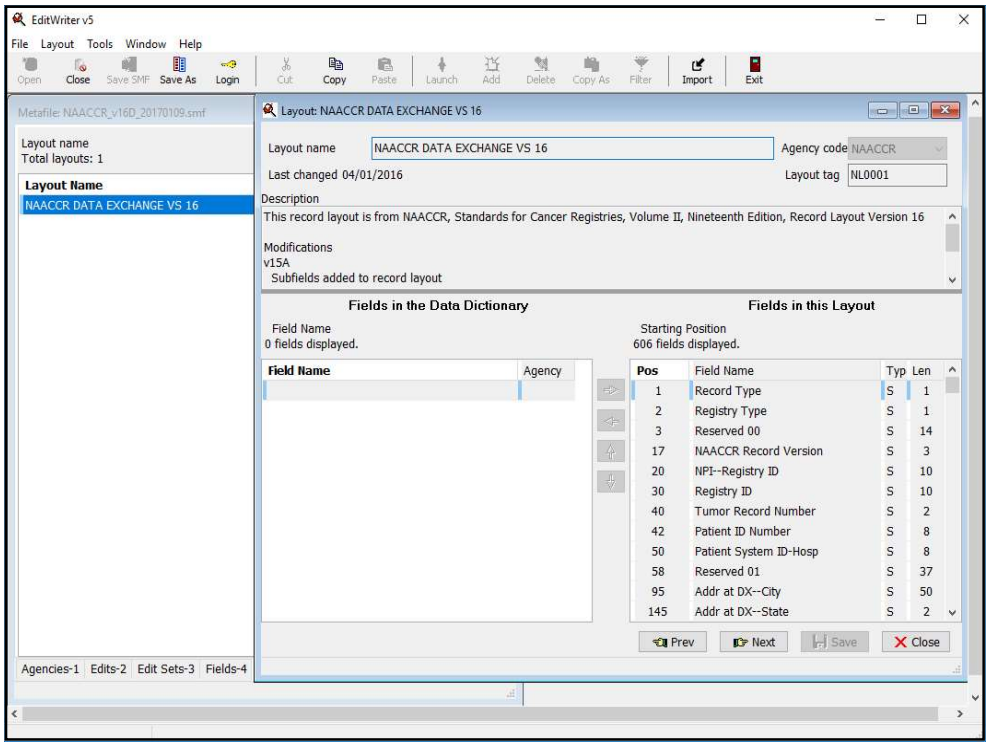


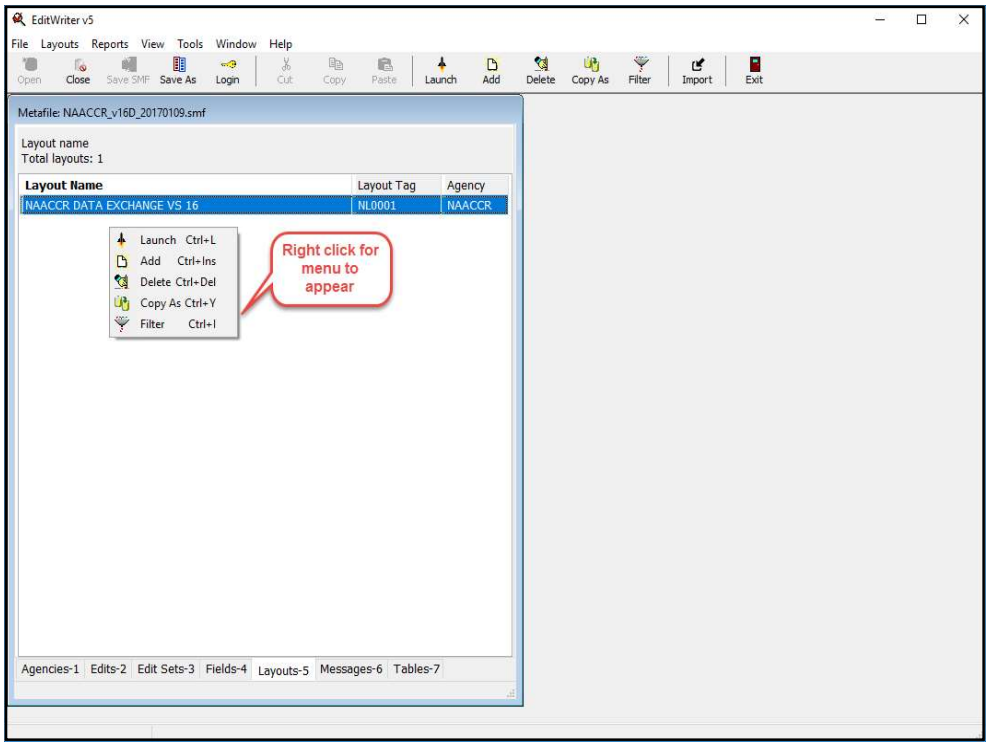
EditWriter

- To select an object to view or modify
  - Highlight the object's name and double click on it
    OR
  - Drag it to the workspace (on the right)
    OR
  - Use drop-down menu and select "Launch"
    OR
  - Click on the launch button
- Some selected objects have additional tabs

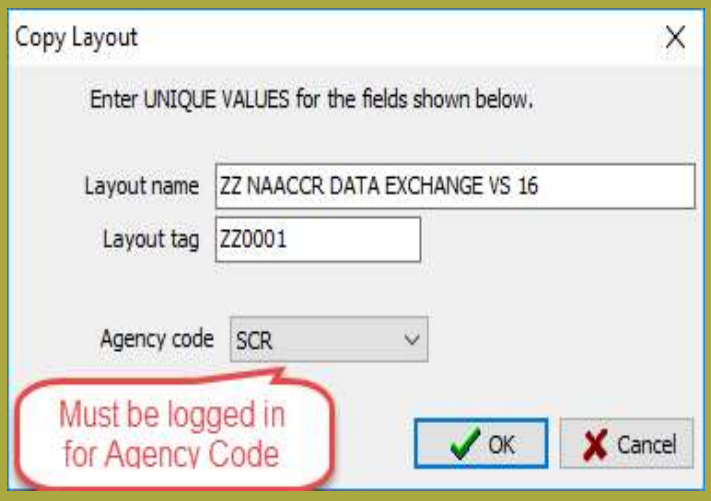


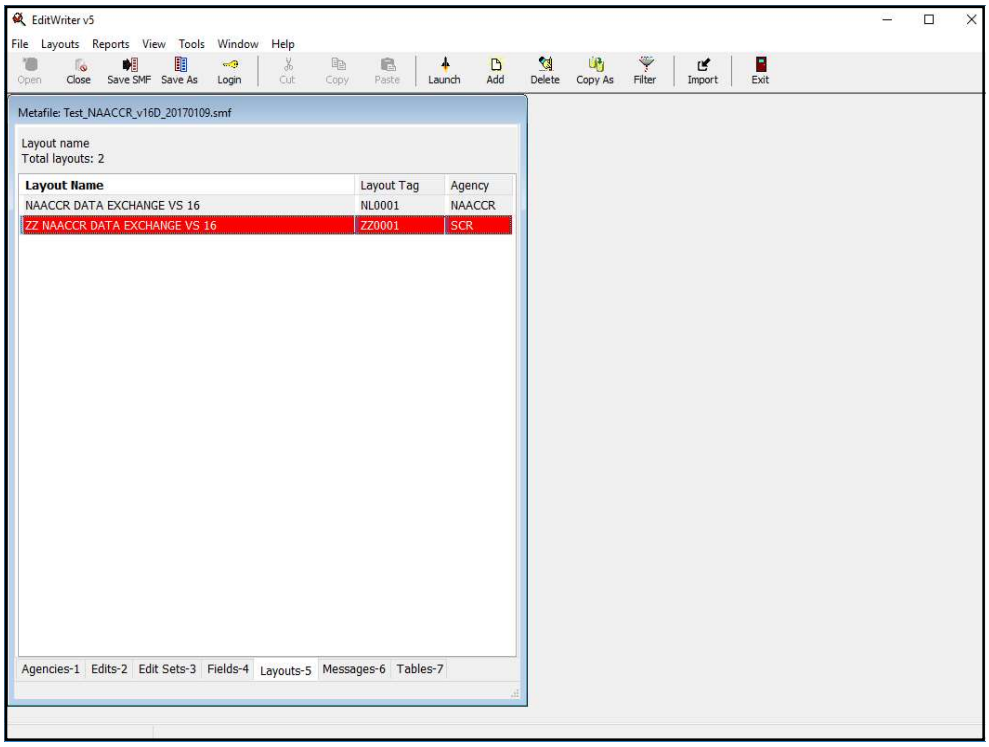

EditWriter v5
File Layouts Reports View Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Metafile: NAACCR_v16D_20170109.smf
Layout name
Total layouts: 1
Layout Name
Layout Tag
Agency
NAACCR DATA EXCHANGE VS 16
NL0001
NAACCR
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7

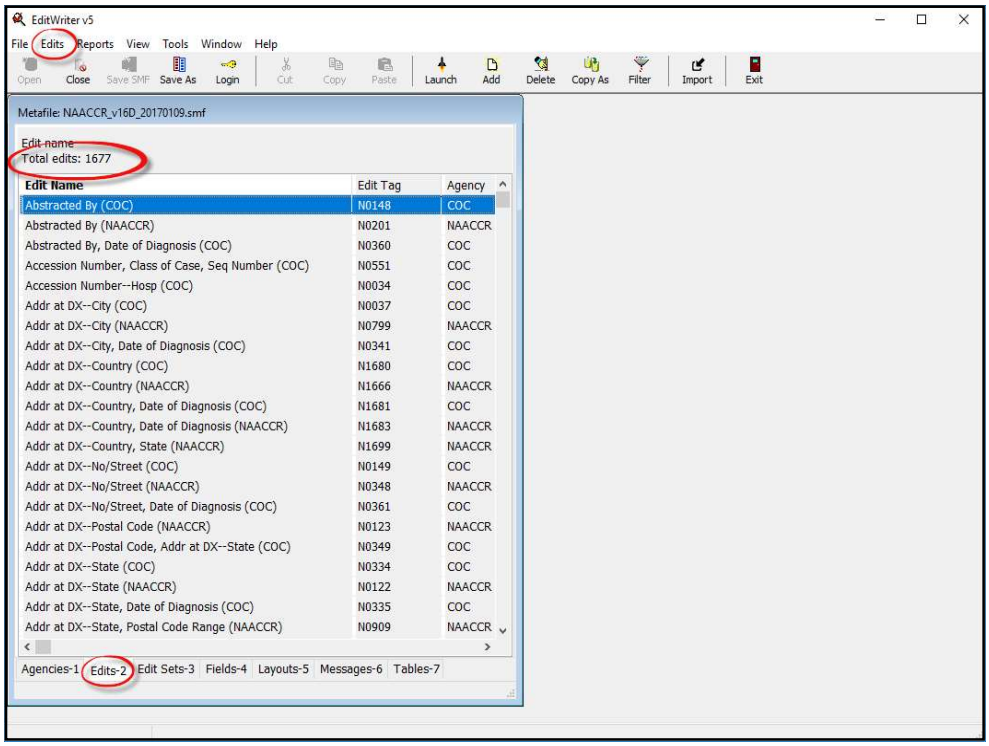

EditWriter v5
File Layout Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Metafile: NAACCR_v16D_20170109.smf
Layout name
Total layouts: 1
Layout Name
NAACCR DATA EXCHANGE VS 16
Agencies-1 Edits-2 Edit Sets-3 Fields-4
Layout: NAACCR DATA EXCHANGE VS 16
Layout name NAACCR DATA EXCHANGE VS 16
Agency code NAACCR
Last changed 04/01/2016
Layout tag NL0001
Description
This record layout is from NAACCR, Standards for Cancer Registries, Volume II, Nineteenth Edition, Record Layout Version 16
Modifications
v15A
Subfields added to record layout
Fields in the Data Dictionary
Field Name
0 fields displayed.
Field Name
Agency
Fields in this Layout
Starting Position
606 fields displayed.
Pos
Field Name
Typ
Len
1 Record Type S 1
2 Registry Type S 1
3 Reserved 00 S 14
17 NAACCR Record Version S 3
20 NPI--Registry ID S 10
30 Registry ID S 10
40 Tumor Record Number S 2
42 Patient ID Number S 8
50 Patient System ID-Hosp S 8
58 Reserved 01 S 37
95 Addr at DX--City S 50
145 Addr at DX--State S 2
Prev Next Save Close

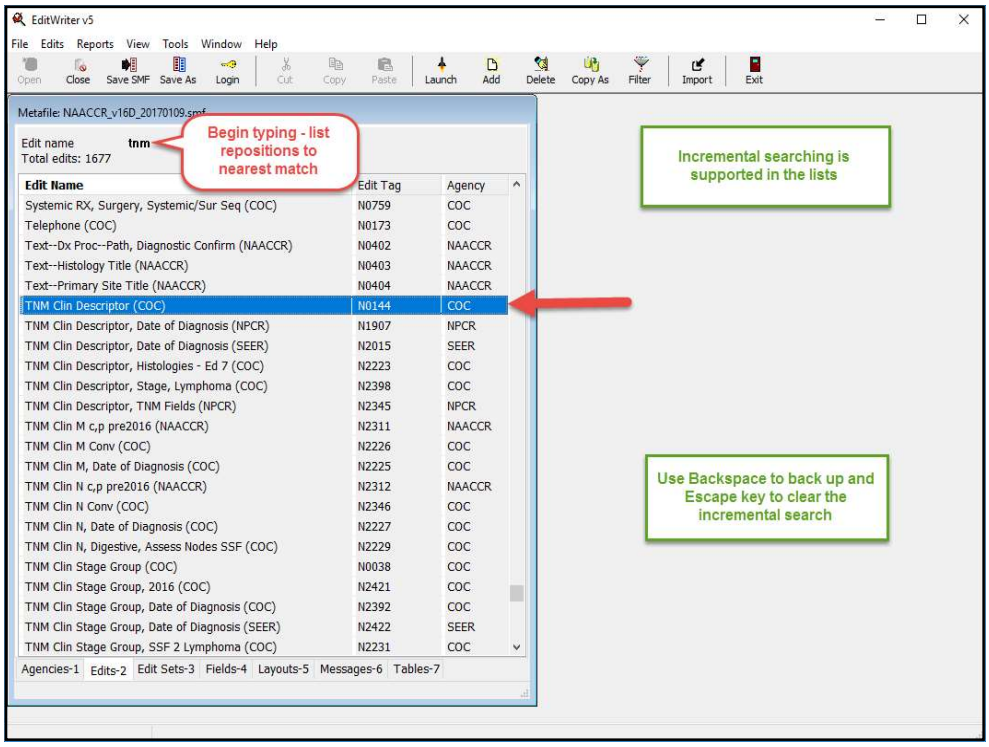


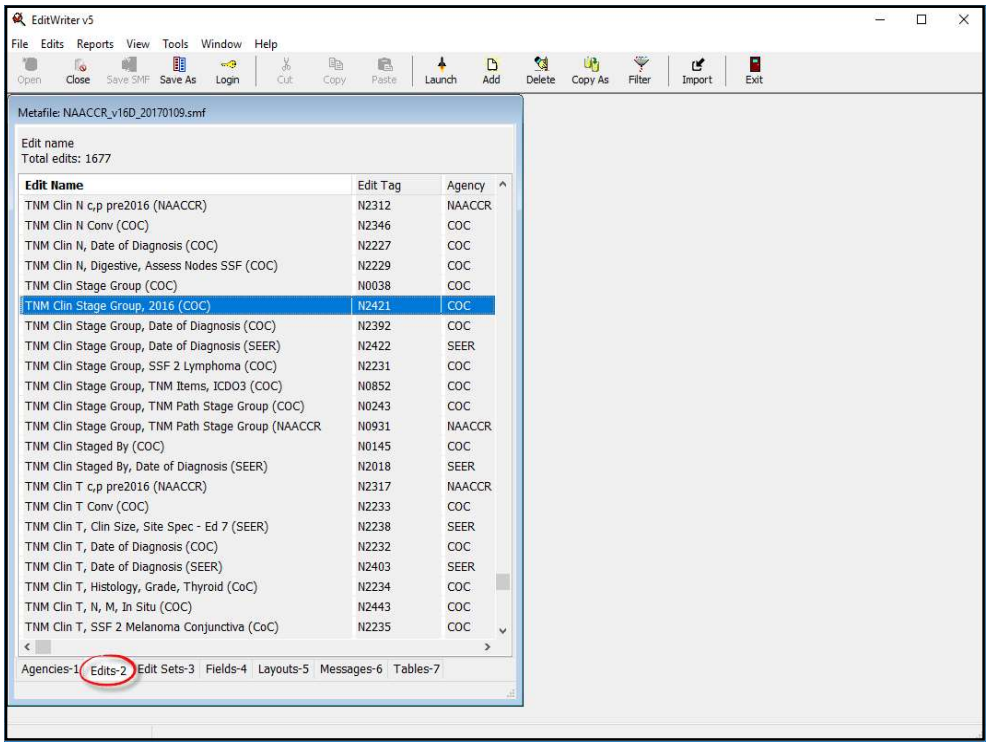
Select Copy As and modify the Layout name and Layout tag

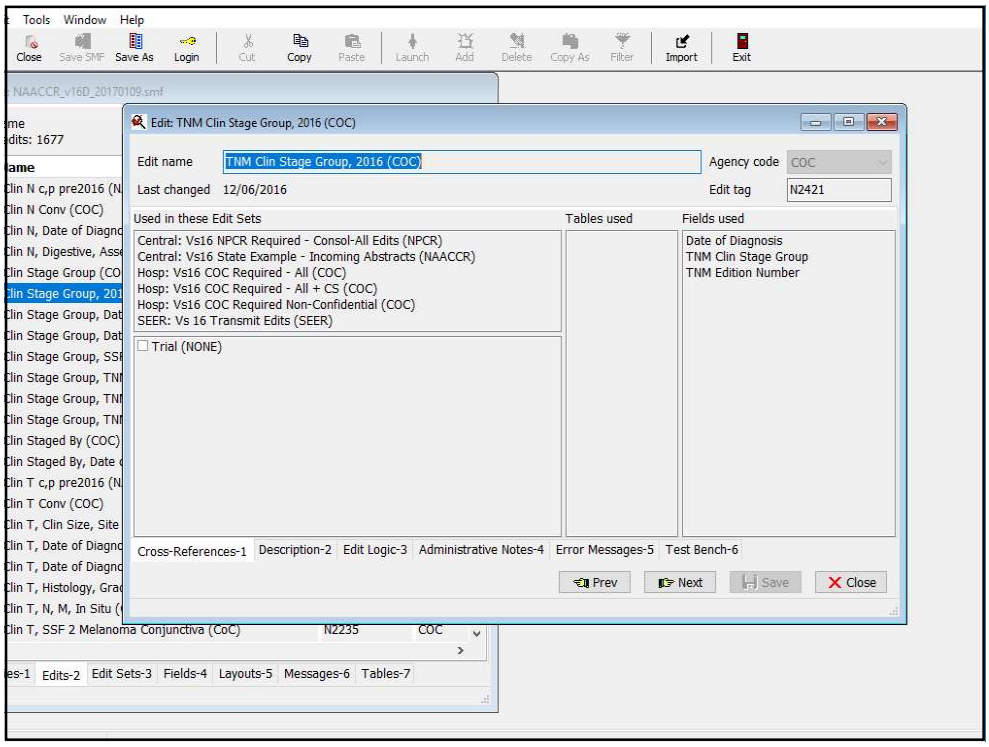


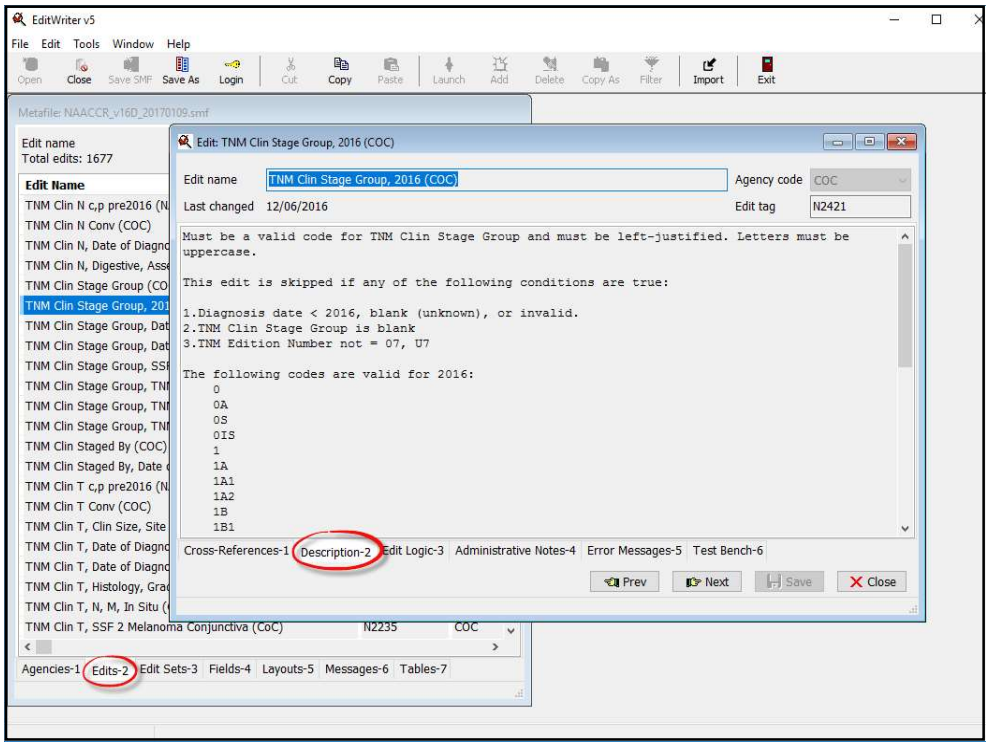

EditWriter v5
File Layouts Reports View Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Metafile: Test_NAACCR_v16D_20170109.smf
Layout name
Total layouts: 2
Layout Name
Layout Tag
Agency
NAACCR DATA EXCHANGE VS 16
NL0001
NAACCR
ZZ NAACCR DATA EXCHANGE VS 16
ZZ0001
SCR
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7

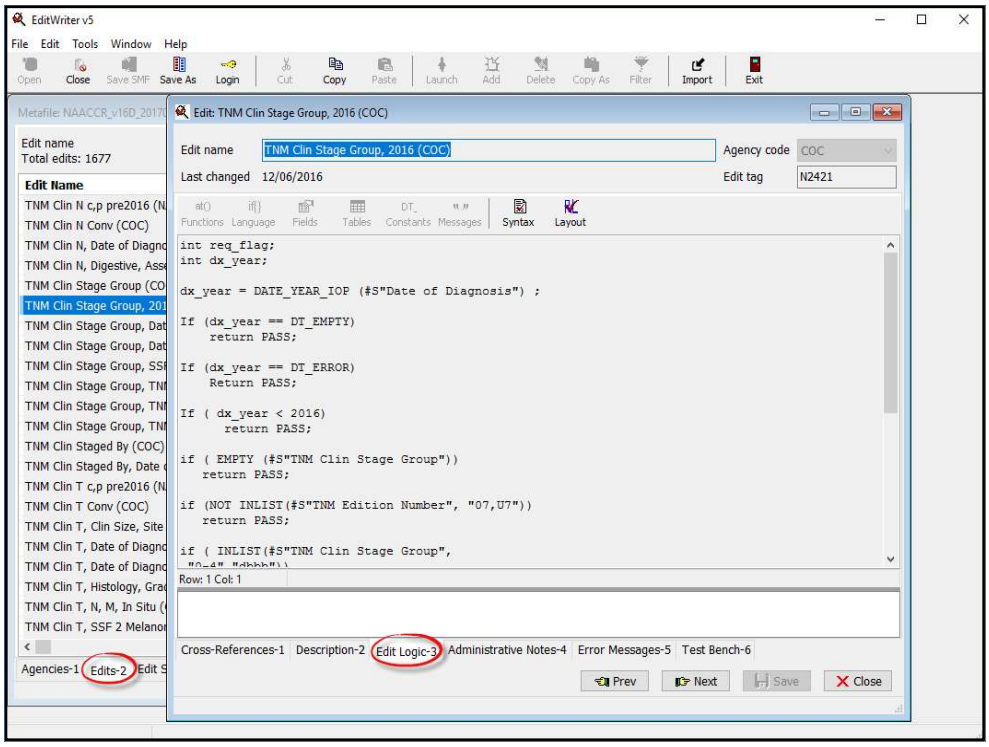

EditWriter v5
File Edits Reports View Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Metafile: NAACCR_v16D_20170109.smf
Edit name
Total edits: 1677
Edit Name
Edit Tag
Agency
Abstracted By (COC) N0148 COC
Abstracted By (NAACCR) N0201 NAACCR
Abstracted By, Date of Diagnosis (COC) N0360 COC
Accession Number, Class of Case, Seq Number (COC) N0551 COC
Accession Number--Hosp (COC) N0034 COC
Addr at DX--City (COC) N0037 COC
Addr at DX--City (NAACCR) N0799 NAACCR
Addr at DX--City, Date of Diagnosis (COC) N0341 COC
Addr at DX--Country (COC) N1680 COC
Addr at DX--Country (NAACCR) N1666 NAACCR
Addr at DX--Country, Date of Diagnosis (COC) N1681 COC
Addr at DX--Country, Date of Diagnosis (NAACCR) N1683 NAACCR
Addr at DX--Country, State (NAACCR) N1699 NAACCR
Addr at DX--No/Street (COC) N0149 COC
Addr at DX--No/Street (NAACCR) N0348 NAACCR
Addr at DX--No/Street, Date of Diagnosis (COC) N0361 COC
Addr at DX--Postal Code (NAACCR) N0123 NAACCR
Addr at DX--Postal Code, Addr at DX--State (COC) N0349 COC
Addr at DX--State (COC) N0334 COC
Addr at DX--State (NAACCR) N0122 NAACCR
Addr at DX--State, Date of Diagnosis (COC) N0335 COC
Addr at DX--State, Postal Code Range (NAACCR) N0909 NAACCR
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7


EditWriter v5
File Edits Reports View Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Metafile: NAACCR_v16D_20170109.smf
Edit name tnm
Total edits: 1677
Begin typing - list repositions to nearest match
Edit Name | Edit Tag | Agency
Systemic RX, Surgery, Systemic/Sur Seq (COC) | N0759 | COC
Telephone (COC) | N0173 | COC
Text--Dx Proc--Path, Diagnostic Confirm (NAACCR) | N0402 | NAACCR
Text--Histology Title (NAACCR) | N0403 | NAACCR
Text--Primary Site Title (NAACCR) | N0404 | NAACCR
TNM Clin Descriptor (COC) | N0144 | COC
TNM Clin Descriptor, Date of Diagnosis (NPCR) | N1907 | NPCR
TNM Clin Descriptor, Date of Diagnosis (SEER) | N2015 | SEER
TNM Clin Descriptor, Histologies - Ed 7 (COC) | N2223 | COC
TNM Clin Descriptor, Stage, Lymphoma (COC) | N2398 | COC
TNM Clin Descriptor, TNM Fields (NPCR) | N2345 | NPCR
TNM Clin M c,p pre2016 (NAACCR) | N2311 | NAACCR
TNM Clin M Conv (COC) | N2226 | COC
TNM Clin M, Date of Diagnosis (COC) | N2225 | COC
TNM Clin N c,p pre2016 (NAACCR) | N2312 | NAACCR
TNM Clin N Conv (COC) | N2346 | COC
TNM Clin N, Date of Diagnosis (COC) | N2227 | COC
TNM Clin N, Digestive, Assess Nodes SSF (COC) | N2229 | COC
TNM Clin Stage Group (COC) | N0038 | COC
TNM Clin Stage Group, 2016 (COC) | N2421 | COC
TNM Clin Stage Group, Date of Diagnosis (COC) | N2392 | COC
TNM Clin Stage Group, Date of Diagnosis (SEER) | N2422 | SEER
TNM Clin Stage Group, SSF 2 Lymphoma (COC) | N2231 | COC
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7
Incremental searching is supported in the lists
Use Backspace to back up and Escape key to clear the incremental search


EditWriter v5
File Edits Reports View Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Metafile: NAACCR_v16D_20170109.smf
Edit name
Total edits: 1677
Edit Name | Edit Tag | Agency
TNM Clin N c,p pre2016 (NAACCR) | N2312 | NAACCR
TNM Clin N Conv (COC) | N2346 | COC
TNM Clin N, Date of Diagnosis (COC) | N2227 | COC
TNM Clin N, Digestive, Assess Nodes SSF (COC) | N2229 | COC
TNM Clin Stage Group (COC) | N0038 | COC
TNM Clin Stage Group, 2016 (COC) | N2421 | COC
TNM Clin Stage Group, Date of Diagnosis (COC) | N2392 | COC
TNM Clin Stage Group, Date of Diagnosis (SEER) | N2422 | SEER
TNM Clin Stage Group, SSF 2 Lymphoma (COC) | N2231 | COC
TNM Clin Stage Group, TNM Items, ICDO3 (COC) | N0852 | COC
TNM Clin Stage Group, TNM Path Stage Group (COC) | N0243 | COC
TNM Clin Stage Group, TNM Path Stage Group (NAACCR | N0931 | NAACCR
TNM Clin Staged By (COC) | N0145 | COC
TNM Clin Staged By, Date of Diagnosis (SEER) | N2018 | SEER
TNM Clin T c,p pre2016 (NAACCR) | N2317 | NAACCR
TNM Clin T Conv (COC) | N2233 | COC
TNM Clin T, Clin Size, Site Spec - Ed 7 (SEER) | N2238 | SEER
TNM Clin T, Date of Diagnosis (COC) | N2232 | COC
TNM Clin T, Date of Diagnosis (SEER) | N2403 | SEER
TNM Clin T, Histology, Grade, Thyroid (CoC) | N2234 | COC
TNM Clin T, N, M, In Situ (COC) | N2443 | COC
TNM Clin T, SSF 2 Melanoma Conjunctiva (CoC) | N2235 | COC
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7


Tools Window Help
Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Edit: TNM Clin Stage Group, 2016 (COC)
Edit name TNM Clin Stage Group, 2016 (COC)
Agency code COC
Last changed 12/06/2016
Edit tag N2421
Used in these Edit Sets
Central: Vs16 NPCR Required - Consol-All Edits (NPCR)
Central: Vs16 State Example - Incoming Abstracts (NAACCR)
Hosp: Vs16 COC Required - All (COC)
Hosp: Vs16 COC Required - All + CS (COC)
Hosp: Vs16 COC Required Non-Confidential (COC)
SEER: Vs 16 Transmit Edits (SEER)
Trial (NONE)
Tables used
Fields used
Date of Diagnosis
TNM Clin Stage Group
TNM Edition Number
Cross-References-1 Description-2 Edit Logic-3 Administrative Notes-4 Error Messages-5 Test Bench-6
Prev Next Save Close
Edits: 1677
Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7


EditWriter v5
File Edit Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Edit: TNM Clin Stage Group, 2016 (COC)
Edit name TNM Clin Stage Group, 2016 (COC)
Agency code COC
Last changed 12/06/2016
Edit tag N2421
Must be a valid code for TNM Clin Stage Group and must be left-justified. Letters must be uppercase.
This edit is skipped if any of the following conditions are true:
1.Diagnosis date < 2016, blank (unknown), or invalid.
2.TNM Clin Stage Group is blank
3.TNM Edition Number not = 07, U7
The following codes are valid for 2016:
0
0A
0S
0IS
1
1A
1A1
1A2
1B
1B1
Cross-References-1 Description-2 Edit Logic-3 Administrative Notes-4 Error Messages-5 Test Bench-6
Prev Next Save Close
Edit name
Total edits: 1677
Edit Name
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7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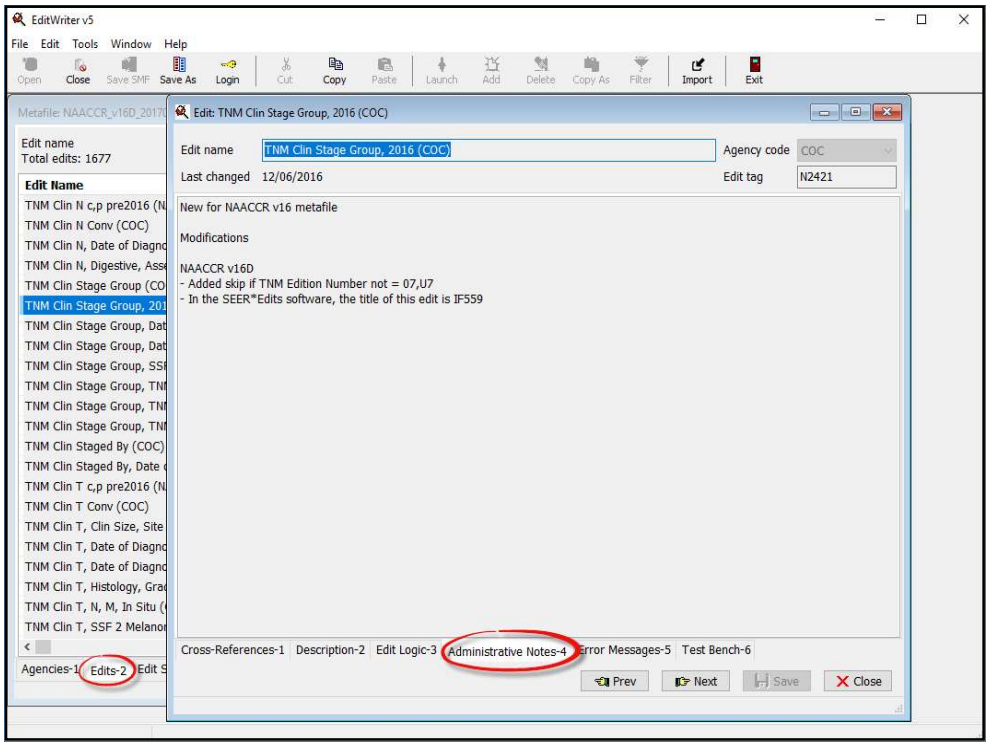
File Edit Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Edit name
Total edits: 1677
Edit Name
TNM Clin N c,p pre2016 (N
TNM Clin N Conv (COC)
TNM Clin N, Date of Diagnc
TNM Clin N, Digestive, Asse
TNM Clin Stage Group (CO
TNM Clin Stage Group, 201
TNM Clin Stage Group, Dat
TNM Clin Stage Group, Dat
TNM Clin Stage Group, SSF
TNM Clin Stage Group, TNI
TNM Clin Stage Group, TNI
TNM Clin Stage Group, TNI
TNM Clin Staged By (COC)
TNM Clin Staged By, Date
TNM Clin T c,p pre2016 (N
TNM Clin T Conv (COC)
TNM Clin T, Clin Size, Site
TNM Clin T, Date of Diagnc
TNM Clin T, Date of Diagnc
TNM Clin T, Histology, Grac
TNM Clin T, N, M, In Situ (
TNM Clin T, SSF 2 Melanor
Agencies-1 Edits-2 Edit S
Edit: TNM Clin Stage Group, 2016 (COC)
Edit name TNM Clin Stage Group, 2016 (COC) Agency code COC
Last changed 12/06/2016 Edit tag N2421
Functions Language Fields Tables Constants Messages Syntax Layout
int req_flag;
int dx_year;
dx_year = DATE_YEAR_IOP (#S"Date of Diagnosis") ;
If (dx_year == DT_EMPTY)
return PASS;
If (dx_year == DT_ERROR)
Return PASS;
If (dx_year < 2016)
return PASS;
if (EMPTY (#S"TNM Clin Stage Group"))
return PASS;
if (NOT INLIST(#S"TNM Edition Number", "07,U7"))
return PASS;
if (INLIST(#S"TNM Clin Stage Group",
Row: 1 Col: 1
Cross-References-1 Description-2 Edit Logic-3 Administrative Notes-4 Error Messages-5 Test Bench-6
Prev Next Save Close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File Edit Tools Window Help
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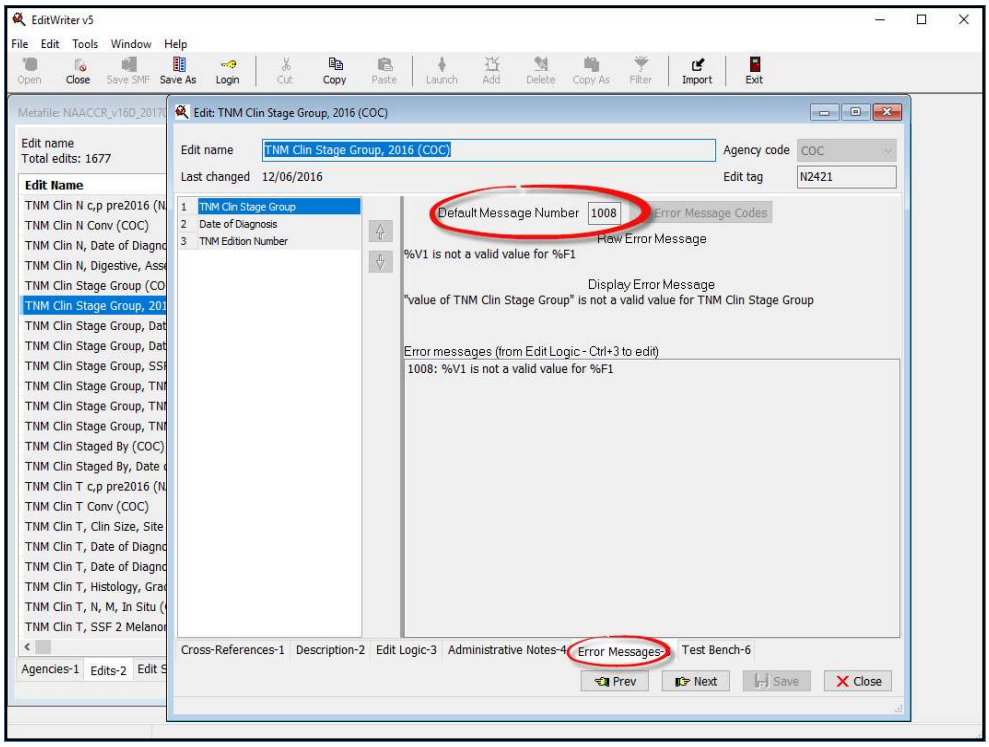
Edit name
Total edits: 1677
Edit Name
TNM Clin N c,p pre2016 (N
TNM Clin N Conv (COC)
TNM Clin N, Date of Diagnc
TNM Clin N, Digestive, Asse
TNM Clin Stage Group (CO
TNM Clin Stage Group, 201
TNM Clin Stage Group, Dat
TNM Clin Stage Group, Dat
TNM Clin Stage Group, SSF
TNM Clin Stage Group, TNI
TNM Clin Stage Group, TNI
TNM Clin Stage Group, TNI
TNM Clin Staged By (COC)
TNM Clin Staged By, Date
TNM Clin T c,p pre2016 (N
TNM Clin T Conv (COC)
TNM Clin T, Clin Size, Site
TNM Clin T, Date of Diagnc
TNM Clin T, Date of Diagnc
TNM Clin T, Histology, Grac
TNM Clin T, N, M, In Situ (
TNM Clin T, SSF 2 Melanor
Agencies-1 Edits-2 Edit S
Edit: TNM Clin Stage Group, 2016 (COC)
Edit name TNM Clin Stage Group, 2016 (COC) Agency code COC
Last changed 12/06/2016 Edit tag N2421
New for NAACCR v16 metafile
Modifications
NAACCR v16D
- Added skip if TNM Edition Number not = 07,U7
- In the SEER*Edits software, the title of this edit is IF559
Cross-References-1 Description-2 Edit Logic-3 Administrative Notes-4 Error Messages-5 Test Bench-6
Prev Next Save Close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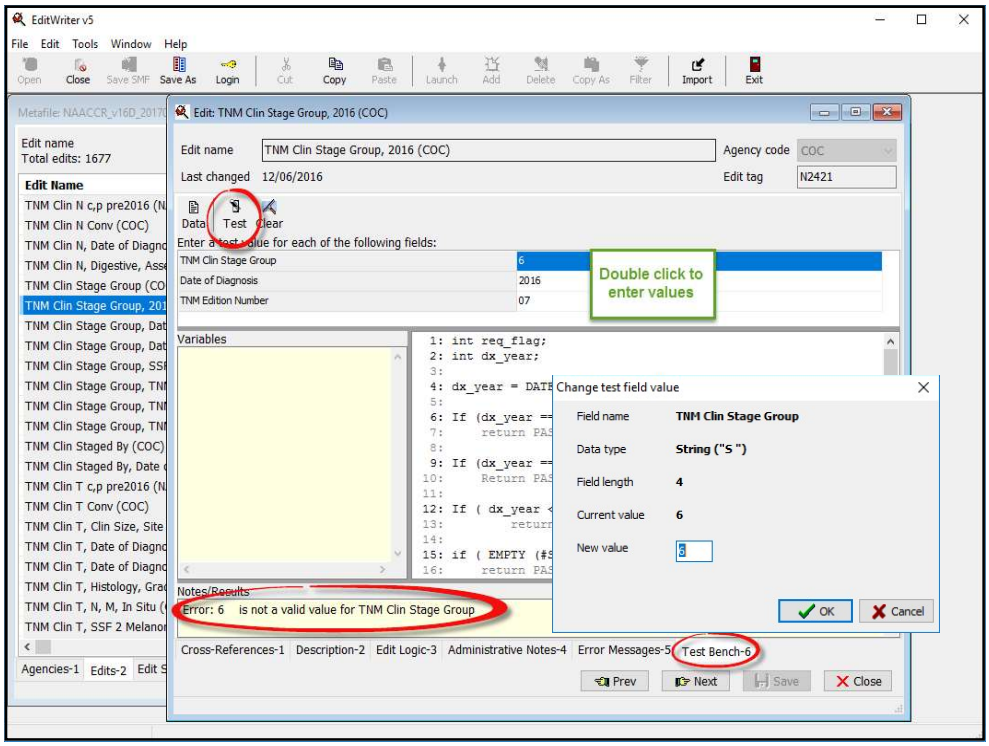
Edit: TNM Clin Stage Group, 2016 (COC)
Edit name
Total edits: 1677
Edit Name
Edit name TNM Clin Stage Group, 2016 (COC)
Agency code COC
Last changed 12/06/2016
Edit tag N2421
1 TNM Clin Stage Group
2 Date of Diagnosis
3 TNM Edition Number
Default Message Number 1008
Error Message Codes
Raw Error Message
%V1 is not a valid value for %F1
Display Error Message
"value of TNM Clin Stage Group" is not a valid value for TNM Clin Stage Group
Error messages (from Edit Logic - Ctrl+3 to edit)
1008: %V1 is not a valid value for %F1
Cross-References-1 Description-2 Edit Logic-3 Administrative Notes-4 Error Messages-5 Test Bench-6
Prev Next Save Close
Agencies-1 Edits-2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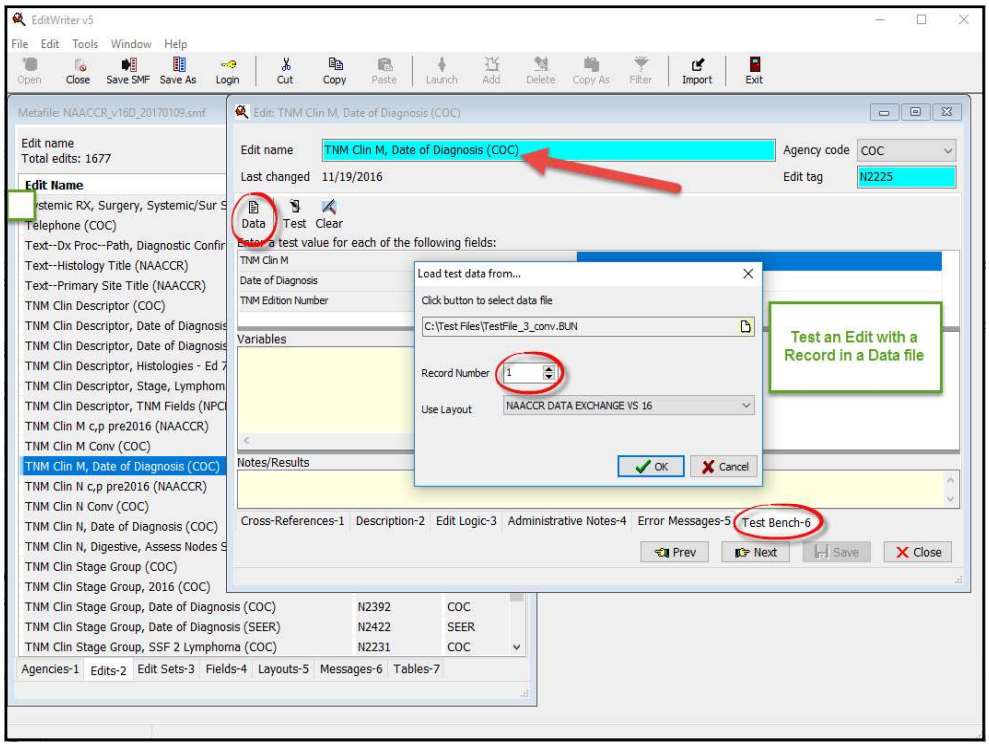
Edit name
Total edits: 1677
Edit Name
Edit name TNM Clin Stage Group, 2016 (COC)
Agency code COC
Last changed 12/06/2016
Edit tag N2421
Data Test Clear
Enter a test value for each of the following fields:
TNM Clin Stage Group 6
Date of Diagnosis 2016
TNM Edition Number 07
Double click to enter values
Variables
1: int req_flag;
2: int dx_year;
Change test field value
Field name TNM Clin Stage Group
Data type String ("S ")
Field length 4
Current value 6
New value
OK Cancel
Notes/Results
Error: 6 is not a valid value for TNM Clin Stage Group
Cross-References-1 Description-2 Edit Logic-3 Administrative Notes-4 Error Messages-5 Test Bench-6
Prev Next Save Close
Agencies-1 Edits-2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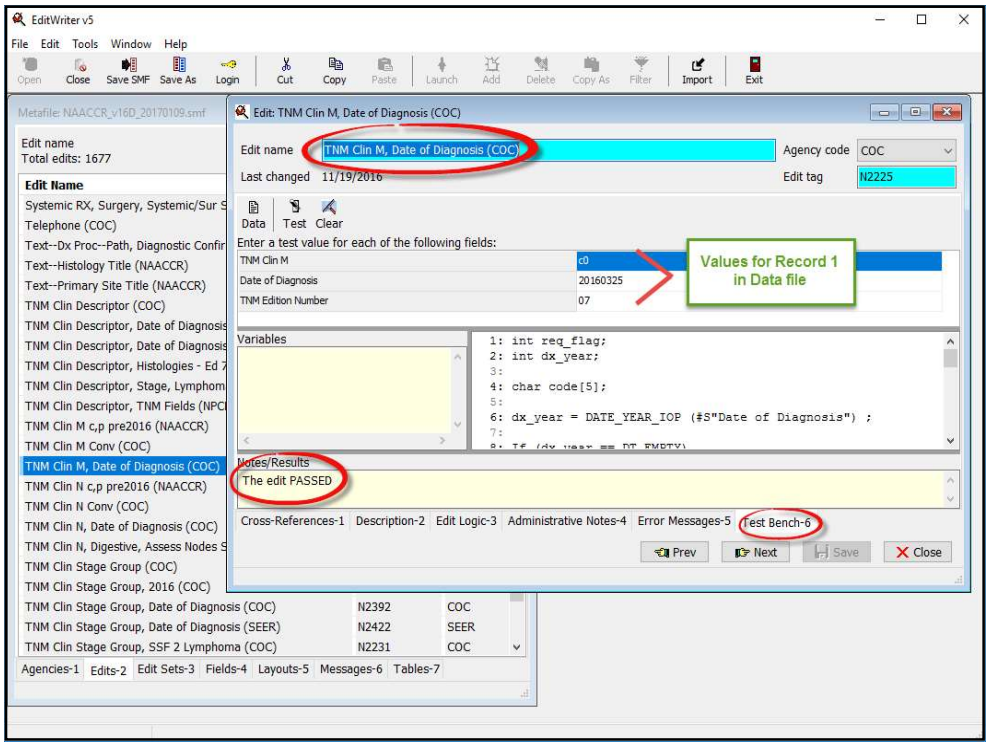
File Edit Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Edit: TNM Clin M, Date of Diagnosis (COC)
Edit name TNM Clin M, Date of Diagnosis (COC)
Agency code COC
Last changed 11/19/2016
Edit tag N2225
Data Test Clear
Enter a test value for each of the following fields:
TNM Clin M
Date of Diagnosis
TNM Edition Number
Load test data from...
Click button to select data file
C:\Test Files\TestFile_3_conv.BIN
Record Number 1
Use Layout NAACCR DATA EXCHANGE VS 16
OK Cancel
Test an Edit with a Record in a Data file
Variables
Notes/Results
Cross-References-1 Description-2 Edit Logic-3 Administrative Notes-4 Error Messages-5 Test Bench-6
Prev Next Save Close
TNM Clin M, Date of Diagnosis (COC)
TNM Clin Stage Group, Date of Diagnosis (COC) N2392 COC
TNM Clin Stage Group, Date of Diagnosis (SEER) N2422 SEER
TNM Clin Stage Group, SSF 2 Lymphoma (COC) N2231 COC
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7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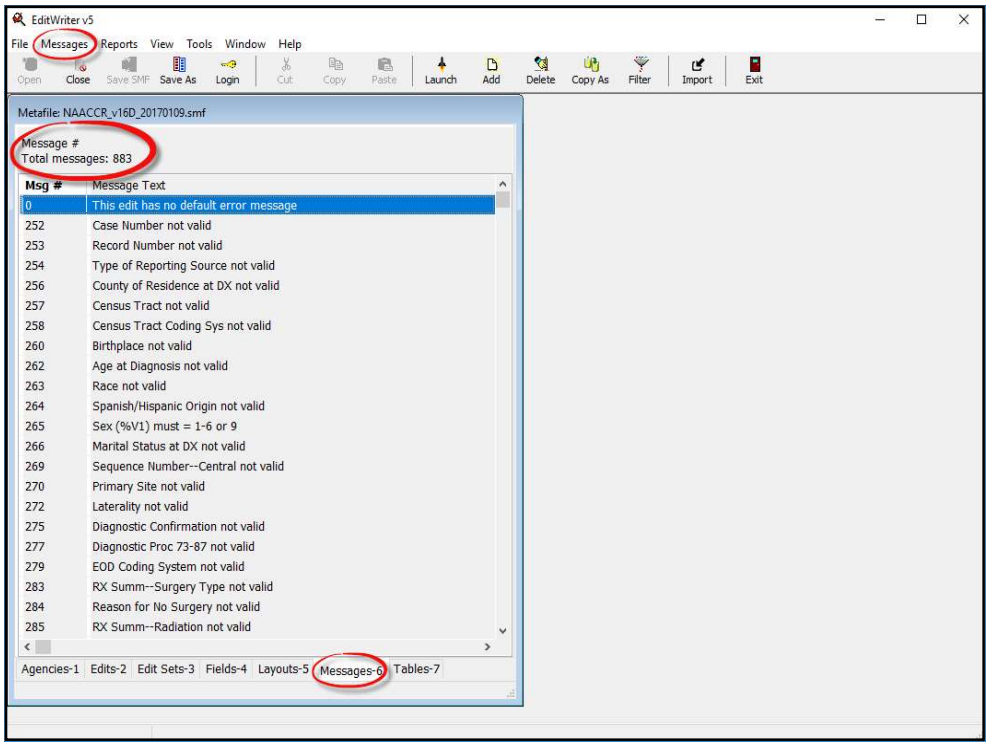
File Edit Tools Window Help
Edit: TNM Clin M, Date of Diagnosis (COC)
Edit name TNM Clin M, Date of Diagnosis (COC)
Agency code COC
Last changed 11/19/2016
Edit tag N2225
Data Test Clear
Enter a test value for each of the following fields:
TNM Clin M c0
Date of Diagnosis 20160325
TNM Edition Number 07
Values for Record 1 in Data file
Variables
1: int req_flag;
2: int dx_year;
4: char code[5];
6: dx_year = DATE_YEAR_IOP (#S"Date of Diagnosis") ;
Notes/Results
The edit PASSED
Cross-References-1 Description-2 Edit Logic-3 Administrative Notes-4 Error Messages-5 Test Bench-6
Prev Next Save Close
TNM Clin M, Date of Diagnosis (COC)
TNM Clin Stage Group, Date of Diagnosis (COC) N2392 COC
TNM Clin Stage Group, Date of Diagnosis (SEER) N2422 SEER
TNM Clin Stage Group, SSF 2 Lymphoma (COC) N2231 COC
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7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File Messages Reports View Tools Window Help
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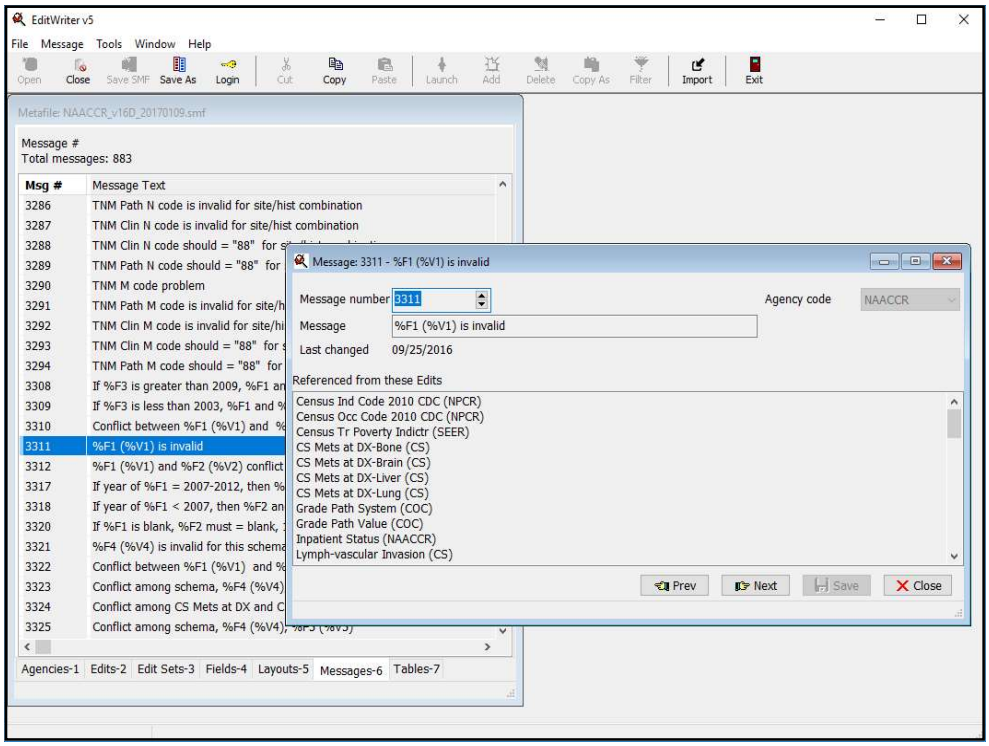
Metafile: NAACCR_v16D_20170109.smf
Message #
Total messages: 883
Msg # Message Text
0 This edit has no default error message
252 Case Number not valid
253 Record Number not valid
254 Type of Reporting Source not valid
256 County of Residence at DX not valid
257 Census Tract not valid
258 Census Tract Coding Sys not valid
260 Birthplace not valid
262 Age at Diagnosis not valid
263 Race not valid
264 Spanish/Hispanic Origin not valid
265 Sex (%V1) must = 1-6 or 9
266 Marital Status at DX not valid
269 Sequence Number--Central not valid
270 Primary Site not valid
272 Laterality not valid
275 Diagnostic Confirmation not valid
277 Diagnostic Proc 73-87 not valid
279 EOD Coding System not valid
283 RX Summ--Surgery Type not valid
284 Reason for No Surgery not valid
285 RX Summ--Radiation not valid
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7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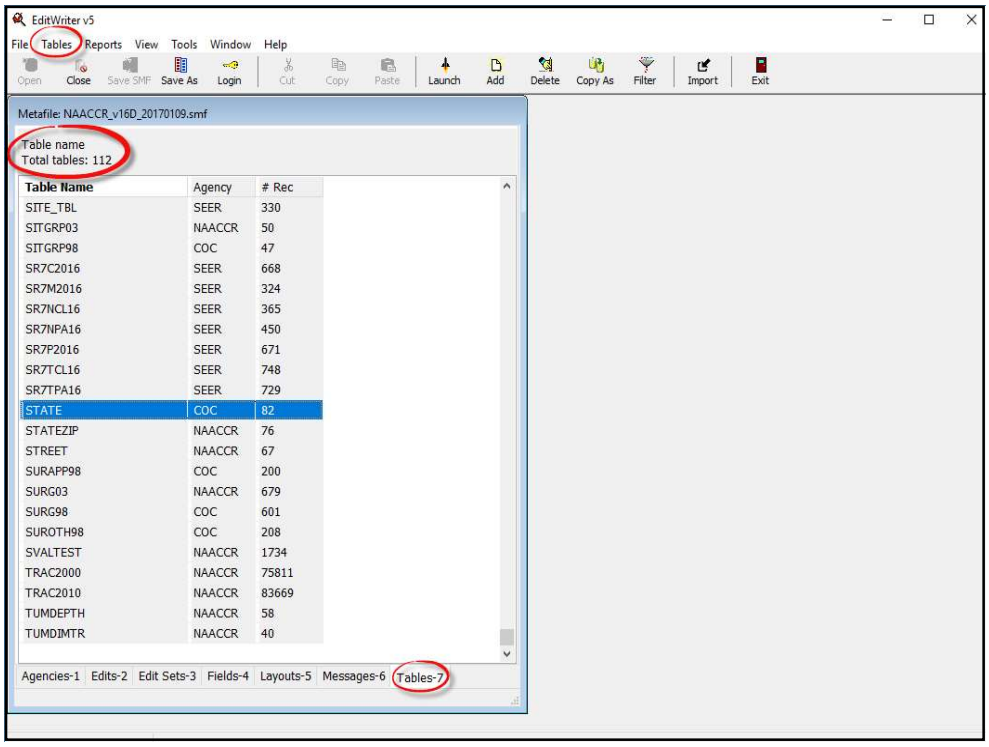
File Message Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Metafile: NAACCR_v16D_20170109.smf
Message #
Total messages: 883
Msg # Message Text
3286 TNM Path N code is invalid for site/hist combination
3287 TNM Clin N code is invalid for site/hist combination
3288 TNM Clin N code should = "88" for
3289 TNM Path N code should = "88" for
3290 TNM M code problem
3291 TNM Path M code is invalid for site/h
3292 TNM Clin M code is invalid for site/hi
3293 TNM Clin M code should = "88" for
3294 TNM Path M code should = "88" for
3308 If %F3 is greater than 2009, %F1 an
3309 If %F3 is less than 2003, %F1 and %
3310 Conflict between %F1 (%V1) and %
3311 %F1 (%V1) is invalid
3312 %F1 (%V1) and %F2 (%V2) conflict
3317 If year of %F1 = 2007-2012, then %
3318 If year of %F1 < 2007, then %F2 an
3320 If %F1 is blank, %F2 must = blank,
3321 %F4 (%V4) is invalid for this schema
3322 Conflict between %F1 (%V1) and %
3323 Conflict among schema, %F4 (%V4)
3324 Conflict among CS Mets at DX and C
3325 Conflict among schema, %F4 (%V4),
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7
Message: 3311 - %F1 (%V1) is invalid
Message number 3311
Agency code NAACCR
Message %F1 (%V1) is invalid
Last changed 09/25/2016
Referenced from these Edits
Census Ind Code 2010 CDC (NPCR)
Census Occ Code 2010 CDC (NPCR)
Census Tr Poverty Indictr (SEER)
CS Mets at DX-Bone (CS)
CS Mets at DX-Brain (CS)
CS Mets at DX-Liver (CS)
CS Mets at DX-Lung (CS)
Grade Path System (COC)
Grade Path Value (COC)
Inpatient Status (NAACCR)
Lymph-vascular Invasion (CS)
Prev Next Save Close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File Tables Reports View Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
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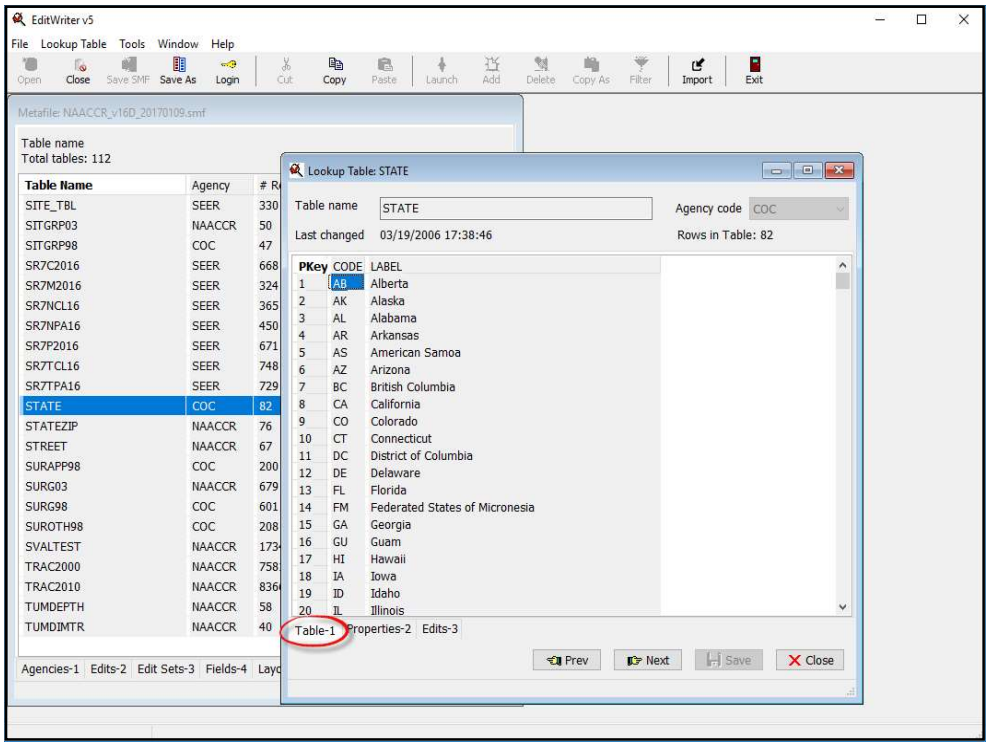
Total tables: 112
Table Name Agency # Rec
SITE_TBL SEER 330
SITGRP03 NAACCR 50
SITGRP98 COC 47
SR7C2016 SEER 668
SR7M2016 SEER 324
SR7NCL16 SEER 365
SR7NPA16 SEER 450
SR7P2016 SEER 671
SR7TCL16 SEER 748
SR7TPA16 SEER 729
STATE COC 82
STATEZIP NAACCR 76
STREET NAACCR 67
SURAPP98 COC 200
SURG03 NAACCR 679
SURG98 COC 601
SUROTH98 COC 208
SVALTEST NAACCR 1734
TRAC2000 NAACCR 75811
TRAC2010 NAACCR 83669
TUMDEPTH NAACCR 58
TUMDIMTR NAACCR 40
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7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File Lookup Table Tools Window Help
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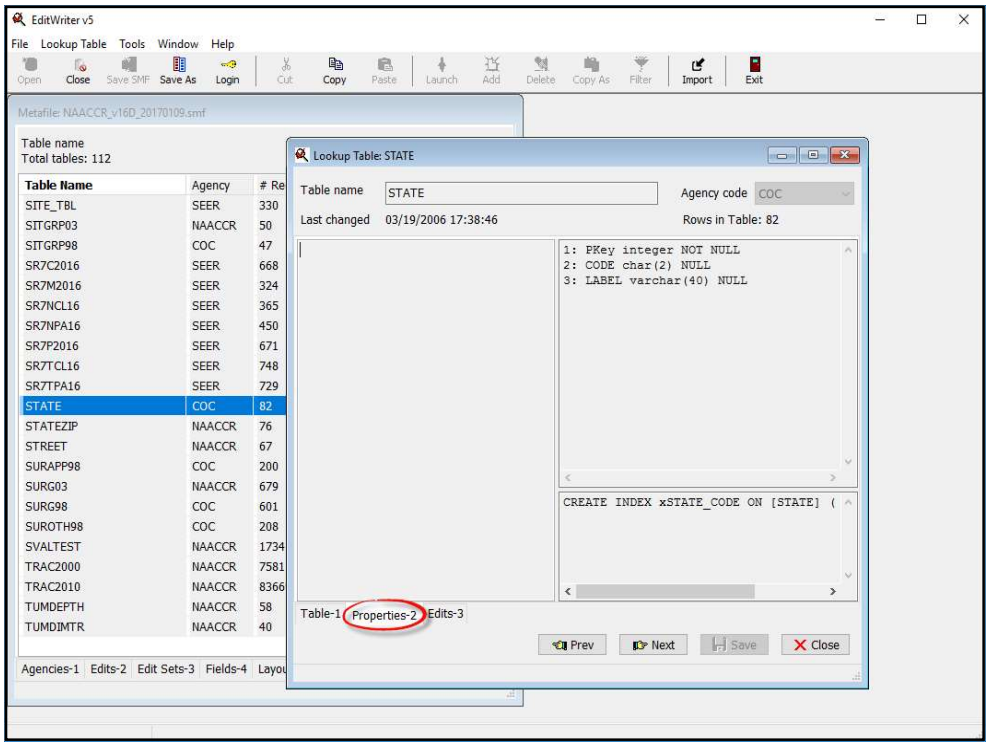
Metafile: NAACCR_v16D_20170109.smf
Table name
Total tables: 112
Lookup Table: STATE
Table name STATE
Agency code COC
Last changed 03/19/2006 17:38:46
Rows in Table: 82
PKey CODE LABEL
1 AB Alberta
2 AK Alaska
3 AL Alabama
4 AR Arkansas
5 AS American Samoa
6 AZ Arizona
7 BC British Columbia
8 CA California
9 CO Colorado
10 CT Connecticut
11 DC District of Columbia
12 DE Delaware
13 FL Florida
14 FM Federated States of Micronesia
15 GA Georgia
16 GU Guam
17 HI Hawaii
18 IA Iowa
19 ID Idaho
20 IL Illinois
Table-1 Properties-2 Edits-3
Prev Next Save Close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Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
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Table name
Total tables: 112
Table Name Agency # Re
SITE_TBL SEER 330
SITGRP03 NAACCR 50
SITGRP98 COC 47
SR7C2016 SEER 668
SR7M2016 SEER 324
SR7NCL16 SEER 365
SR7NPA16 SEER 450
SR7P2016 SEER 671
SR7TCL16 SEER 748
SR7TPA16 SEER 729
STATE COC 82
STATEZIP NAACCR 76
STREET NAACCR 67
SURAPP98 COC 200
SURG03 NAACCR 679
SURG98 COC 601
SUROTH98 COC 208
SVALTEST NAACCR 1734
TRAC2000 NAACCR 7581
TRAC2010 NAACCR 8366
TUMDEPTH NAACCR 58
TUMDIMTR NAACCR 40
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layou
Lookup Table: STATE
Table name STATE
Agency code COC
Last changed 03/19/2006 17:38:46
Rows in Table: 82
1: PKey integer NOT NULL
2: CODE char(2) NULL
3: LABEL varchar(40) NULL
CREATE INDEX xSTATE_CODE ON [STATE] (
Table-1 Properties-2 Edits-3
Prev Next Save Close

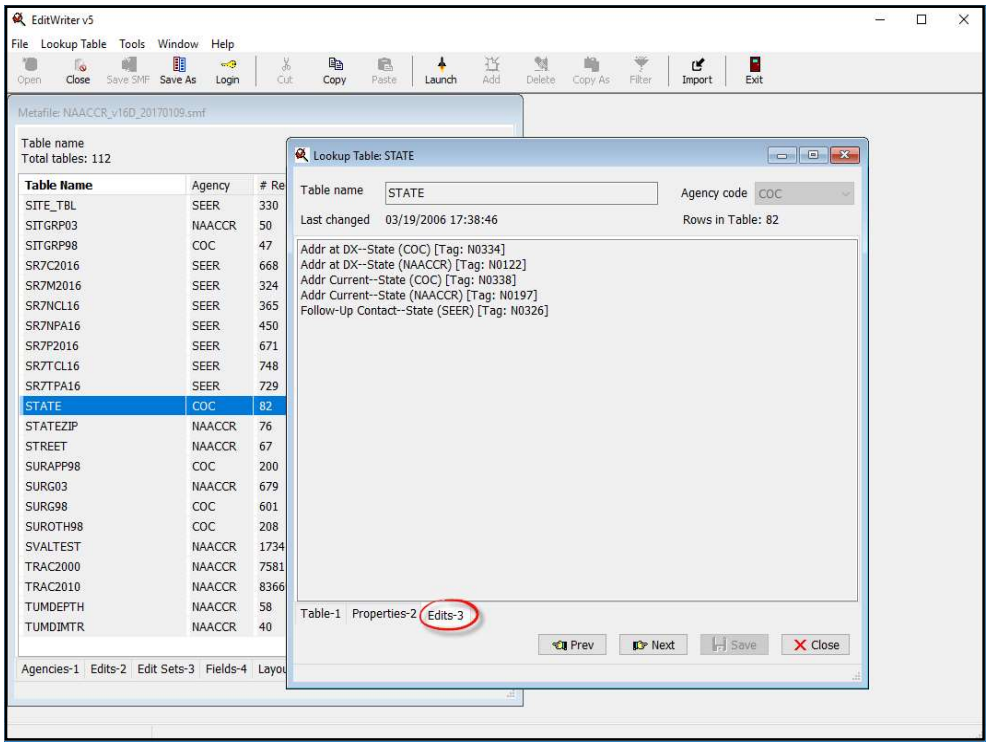
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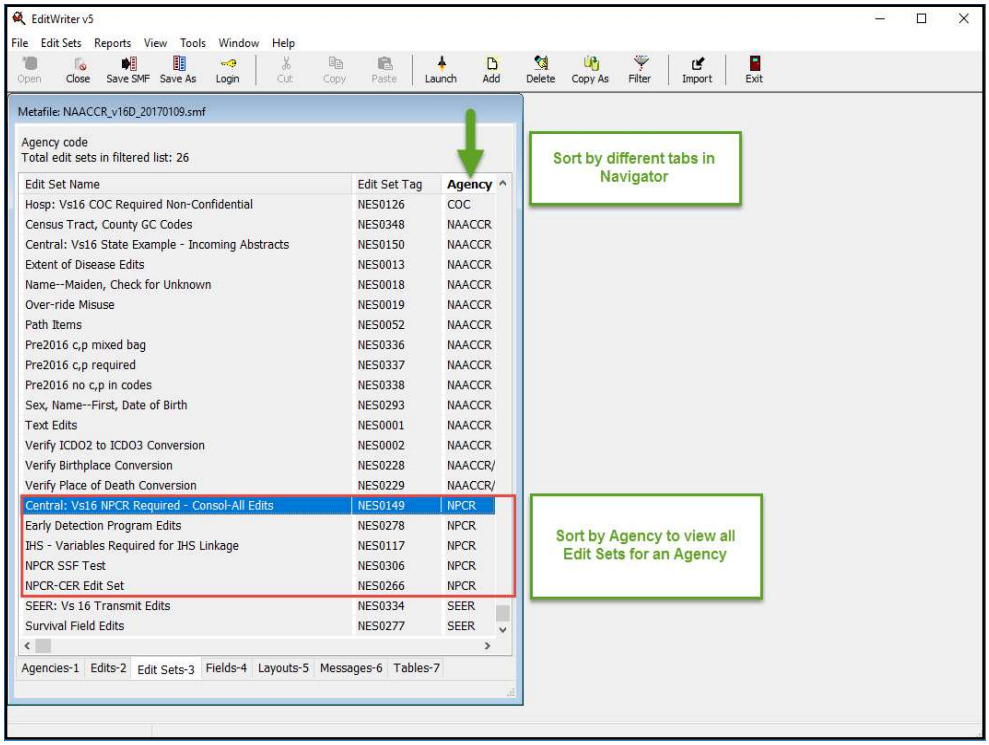
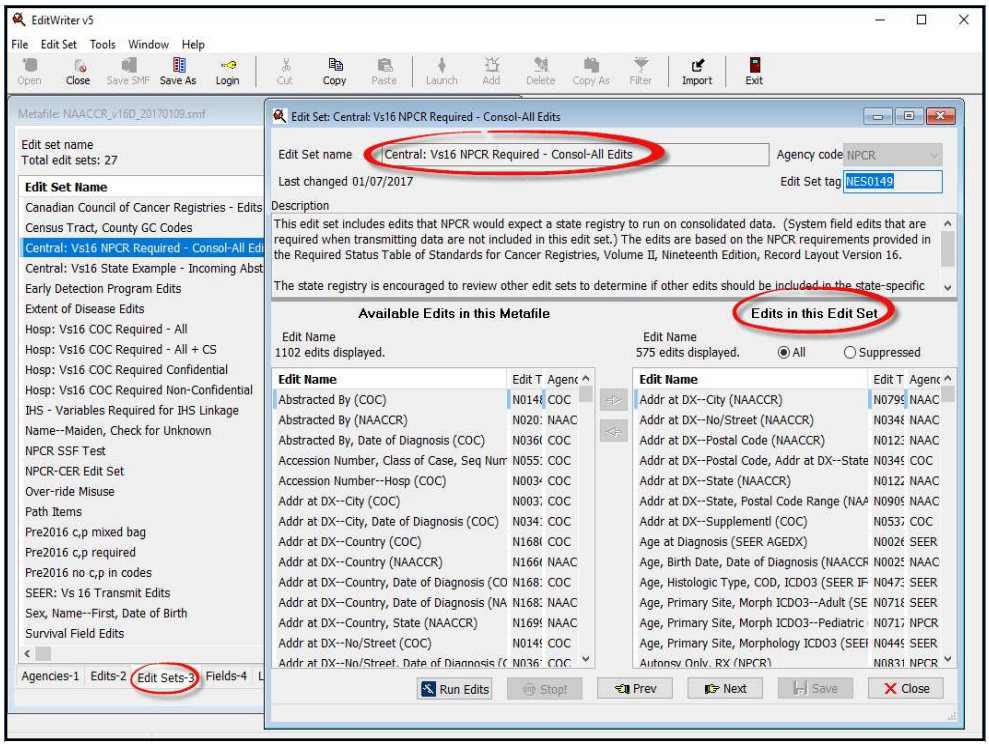
Table name
Total tables: 112
Table Name Agency # Re
SITE_TBL SEER 330
SITGRP03 NAACCR 50
SITGRP98 COC 47
SR7C2016 SEER 668
SR7M2016 SEER 324
SR7NCL16 SEER 365
SR7NPA16 SEER 450
SR7P2016 SEER 671
SR7TCL16 SEER 748
SR7TPA16 SEER 729
STATE COC 82
STATEZIP NAACCR 76
STREET NAACCR 67
SURAPP98 COC 200
SURG03 NAACCR 679
SURG98 COC 601
SUROTH98 COC 208
SVALTEST NAACCR 1734
TRAC2000 NAACCR 7581
TRAC2010 NAACCR 8366
TUMDEPTH NAACCR 58
TUMDIMTR NAACCR 40
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layou
Lookup Table: STATE
Table name STATE
Agency code COC
Last changed 03/19/2006 17:38:46
Rows in Table: 82
Addr at DX--State (COC) [Tag: N0334]
Addr at DX--State (NAACCR) [Tag: N0122]
Addr Current--State (COC) [Tag: N0338]
Addr Current--State (NAACCR) [Tag: N0197]
Follow-Up Contact--State (SEER) [Tag: N0326]
Table-1 Properties-2 Edits-3
Prev Next Save Close

EditWriter

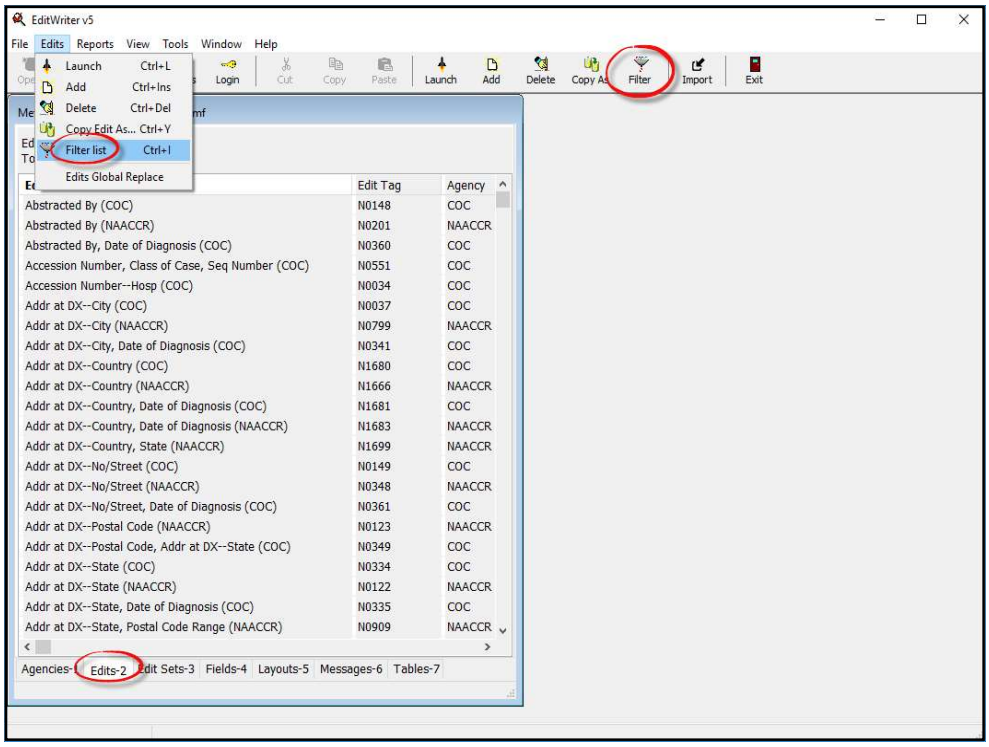
- Edits are grouped into Edit Sets
  - Central: Vs16 NPCR Required - Consol-All Edits
    - Includes edits that NPCR would expect a state registry to run on consolidated data
  - Central: Vs16 State Example -Incoming Abstracts
    - Includes edits a state registry might wish to run on incoming abstracts
    - Can be copied and used as starting point for state-specific edit set
  - And many others!

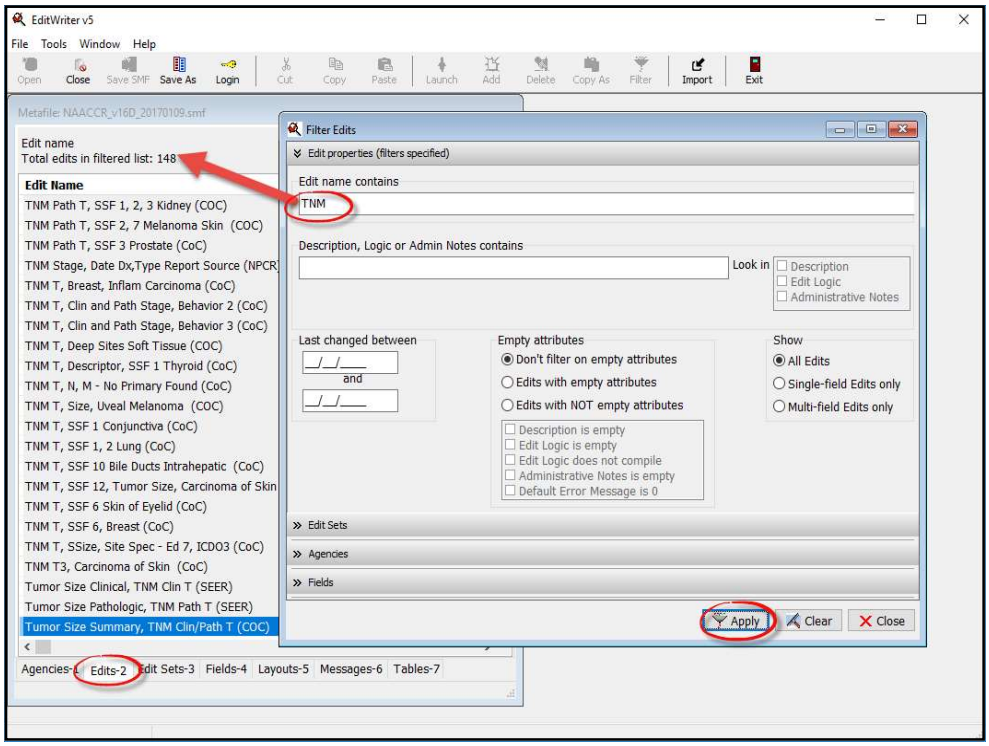




EditWriter - Filter

- List of edits (and all other objects) can be filtered


EditWriter v5
File Edits Reports View Tools Window Help
Launch Ctrl+L
Add Ctrl+Ins
Delete Ctrl+Del
Copy Edit As... Ctrl+Y
Filter list Ctrl+I
Edits Global Replace
Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Edit Tag Agency
Abstracted By (COC) N0148 COC
Abstracted By (NAACCR) N0201 NAACCR
Abstracted By, Date of Diagnosis (COC) N0360 COC
Accession Number, Class of Case, Seq Number (COC) N0551 COC
Accession Number--Hosp (COC) N0034 COC
Addr at DX--City (COC) N0037 COC
Addr at DX--City (NAACCR) N0799 NAACCR
Addr at DX--City, Date of Diagnosis (COC) N0341 COC
Addr at DX--Country (COC) N1680 COC
Addr at DX--Country (NAACCR) N1666 NAACCR
Addr at DX--Country, Date of Diagnosis (COC) N1681 COC
Addr at DX--Country, Date of Diagnosis (NAACCR) N1683 NAACCR
Addr at DX--Country, State (NAACCR) N1699 NAACCR
Addr at DX--No/Street (COC) N0149 COC
Addr at DX--No/Street (NAACCR) N0348 NAACCR
Addr at DX--No/Street, Date of Diagnosis (COC) N0361 COC
Addr at DX--Postal Code (NAACCR) N0123 NAACCR
Addr at DX--Postal Code, Addr at DX--State (COC) N0349 COC
Addr at DX--State (COC) N0334 COC
Addr at DX--State (NAACCR) N0122 NAACCR
Addr at DX--State, Date of Diagnosis (COC) N0335 COC
Addr at DX--State, Postal Code Range (NAACCR) N0909 NAACCR
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7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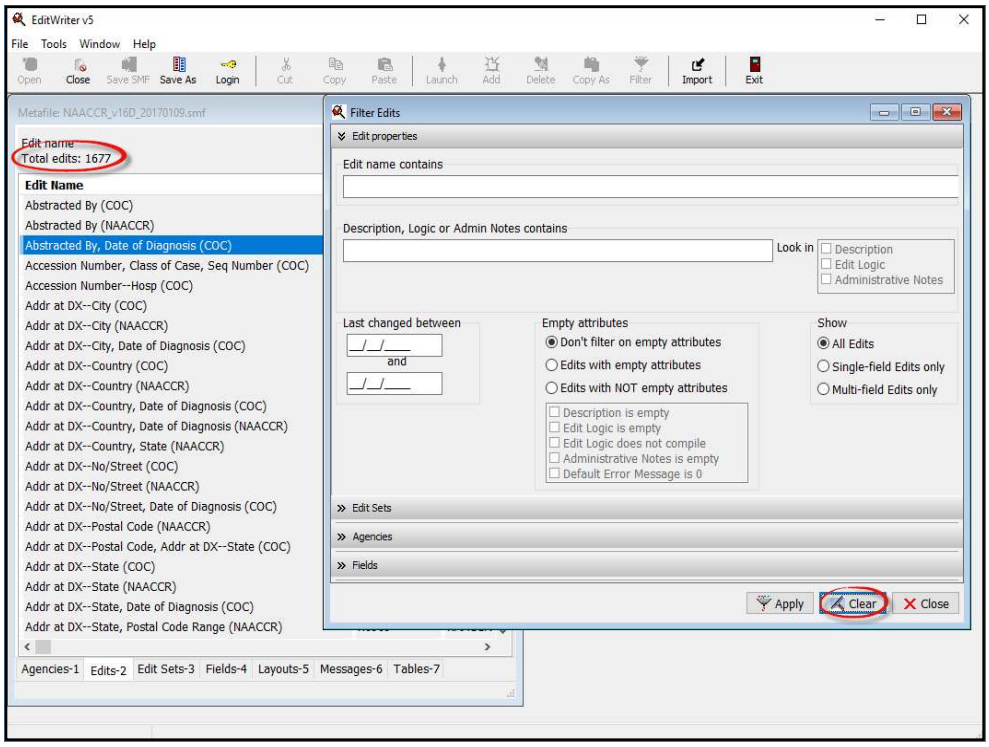
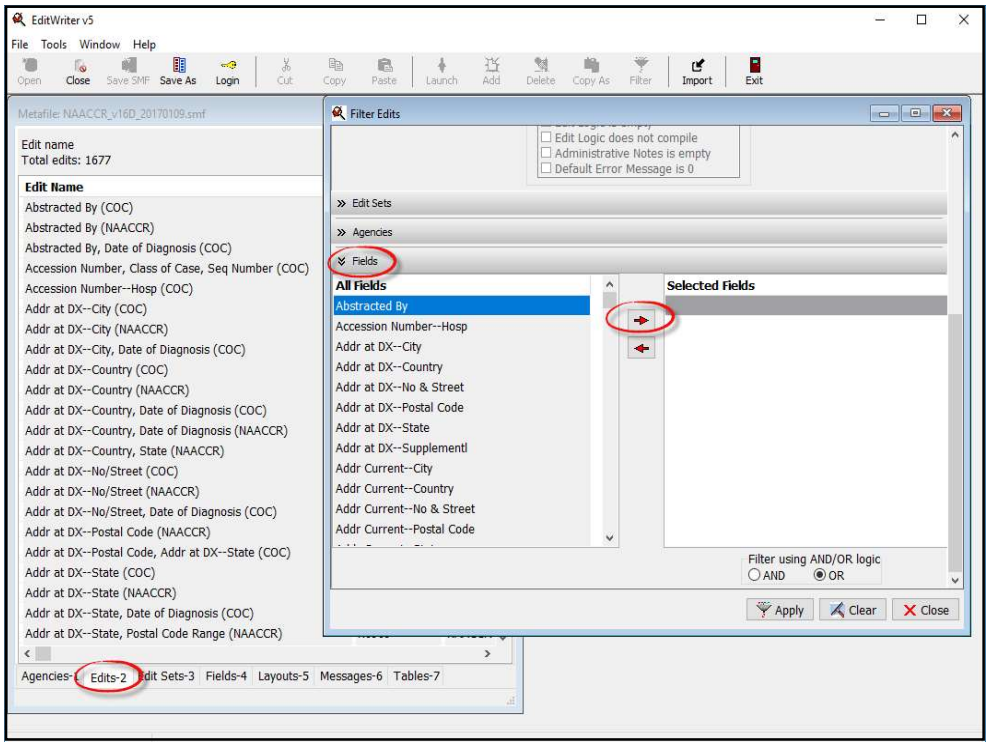
Edit name
Total edits in filtered list: 148
Edit Name
TNM Path T, SSF 1, 2, 3 Kidney (COC)
TNM Path T, SSF 2, 7 Melanoma Skin (COC)
TNM Path T, SSF 3 Prostate (CoC)
TNM Stage, Date Dx,Type Report Source (NPCR)
TNM T, Breast, Inflam Carcinoma (CoC)
TNM T, Clin and Path Stage, Behavior 2 (CoC)
TNM T, Clin and Path Stage, Behavior 3 (CoC)
TNM T, Deep Sites Soft Tissue (COC)
TNM T, Descriptor, SSF 1 Thyroid (CoC)
TNM T, N, M - No Primary Found (CoC)
TNM T, Size, Uveal Melanoma (COC)
TNM T, SSF 1 Conjunctiva (CoC)
TNM T, SSF 1, 2 Lung (CoC)
TNM T, SSF 10 Bile Ducts Intrahepatic (CoC)
TNM T, SSF 12, Tumor Size, Carcinoma of Skin
TNM T, SSF 6 Skin of Eyelid (CoC)
TNM T, SSF 6, Breast (CoC)
TNM T, SSize, Site Spec - Ed 7, ICDO3 (CoC)
TNM T3, Carcinoma of Skin (CoC)
Tumor Size Clinical, TNM Clin T (SEER)
Tumor Size Pathologic, TNM Path T (SEER)
Tumor Size Summary, TNM Clin/Path T (COC)
Filter Edits
Edit properties (filters specified)
Edit name contains
TNM
Description, Logic or Admin Notes contains
Look in
Description
Edit Logic
Administrative Notes
Last changed between
__/__/____
and
__/__/____
Empty attributes
Don't filter on empty attributes
Edits with empty attributes
Edits with NOT empty attributes
Description is empty
Edit Logic is empty
Edit Logic does not compile
Administrative Notes is empty
Default Error Message is 0
Show
All Edits
Single-field Edits only
Multi-field Edits only
Edit Sets
Agencies
Fields
Apply
Clear
Close
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7


EditWriter v5
File Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Metafile: NAACCR_v16D_20170109.smf
Edit name
Total edits: 1677
Edit Name
Abstracted By (COC)
Abstracted By (NAACCR)
Abstracted By, Date of Diagnosis (COC)
Accession Number, Class of Case, Seq Number (COC)
Accession Number--Hosp (COC)
Addr at DX--City (COC)
Addr at DX--City (NAACCR)
Addr at DX--City, Date of Diagnosis (COC)
Addr at DX--Country (COC)
Addr at DX--Country (NAACCR)
Addr at DX--Country, Date of Diagnosis (COC)
Addr at DX--Country, Date of Diagnosis (NAACCR)
Addr at DX--Country, State (NAACCR)
Addr at DX--No/Street (COC)
Addr at DX--No/Street (NAACCR)
Addr at DX--No/Street, Date of Diagnosis (COC)
Addr at DX--Postal Code (NAACCR)
Addr at DX--Postal Code, Addr at DX--State (COC)
Addr at DX--State (COC)
Addr at DX--State (NAACCR)
Addr at DX--State, Date of Diagnosis (COC)
Addr at DX--State, Postal Code Range (NAACCR)
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7
Filter Edits
Edit properties
Edit name contains
Description, Logic or Admin Notes contains
Look in
Description
Edit Logic
Administrative Notes
Last changed between
__/__/____
and
__/__/____
Empty attributes
Don't filter on empty attributes
Edits with empty attributes
Edits with NOT empty attributes
Description is empty
Edit Logic is empty
Edit Logic does not compile
Administrative Notes is empty
Default Error Message is 0
Show
All Edits
Single-field Edits only
Multi-field Edits only
Edit Sets
Agencies
Fields
Apply
Clear
Close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File Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
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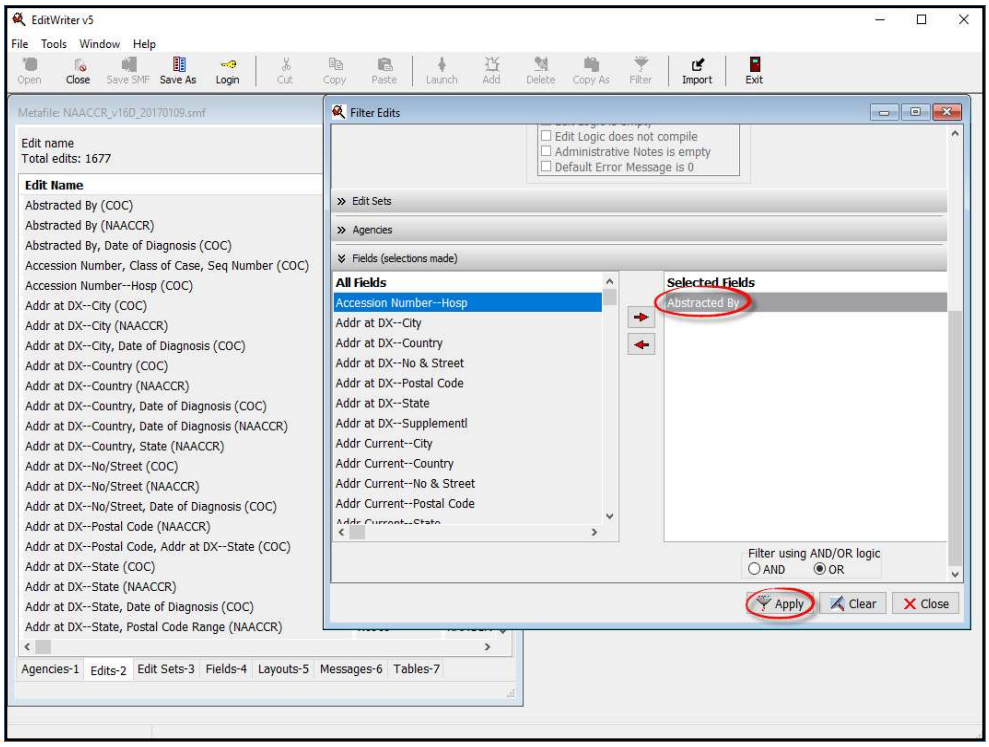
Edit name
Total edits: 1677
Edit Name
Abstracted By (COC)
Abstracted By (NAACCR)
Abstracted By, Date of Diagnosis (COC)
Accession Number, Class of Case, Seq Number (COC)
Accession Number--Hosp (COC)
Addr at DX--City (COC)
Addr at DX--City (NAACCR)
Addr at DX--City, Date of Diagnosis (COC)
Addr at DX--Country (COC)
Addr at DX--Country (NAACCR)
Addr at DX--Country, Date of Diagnosis (COC)
Addr at DX--Country, Date of Diagnosis (NAACCR)
Addr at DX--Country, State (NAACCR)
Addr at DX--No/Street (COC)
Addr at DX--No/Street (NAACCR)
Addr at DX--No/Street, Date of Diagnosis (COC)
Addr at DX--Postal Code (NAACCR)
Addr at DX--Postal Code, Addr at DX--State (COC)
Addr at DX--State (COC)
Addr at DX--State (NAACCR)
Addr at DX--State, Date of Diagnosis (COC)
Addr at DX--State, Postal Code Range (NAACCR)
Edits-2
Filter Edits
Edit Logic does not compile
Administrative Notes is empty
Default Error Message is 0
Edit Sets
Agencies
Fields
All Fields
Abstracted By
Accession Number--Hosp
Addr at DX--City
Addr at DX--Country
Addr at DX--No & Street
Addr at DX--Postal Code
Addr at DX--State
Addr at DX--Supplementl
Addr Current--City
Addr Current--Country
Addr Current--No & Street
Addr Current--Postal Code
Selected Fields
Filter using AND/OR logic
AND
OR
Apply
Clear
Close


EditWriter v5
File Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Metafile: NAACCR_v16D_20170109.smf
Edit name
Total edits: 1677
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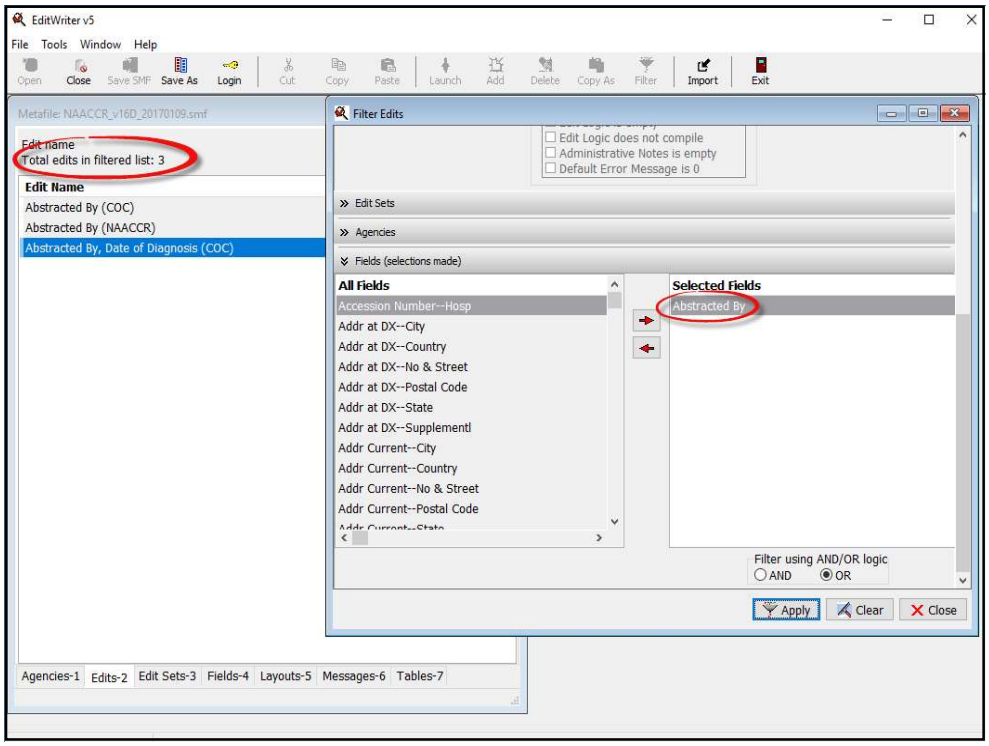
Abstracted By (COC)
Abstracted By (NAACCR)
Abstracted By, Date of Diagnosis (COC)
Accession Number, Class of Case, Seq Number (COC)
Accession Number--Hosp (COC)
Addr at DX--City (COC)
Addr at DX--City (NAACCR)
Addr at DX--City, Date of Diagnosis (COC)
Addr at DX--Country (COC)
Addr at DX--Country (NAACCR)
Addr at DX--Country, Date of Diagnosis (COC)
Addr at DX--Country, Date of Diagnosis (NAACCR)
Addr at DX--Country, State (NAACCR)
Addr at DX--No/Street (COC)
Addr at DX--No/Street (NAACCR)
Addr at DX--No/Street, Date of Diagnosis (COC)
Addr at DX--Postal Code (NAACCR)
Addr at DX--Postal Code, Addr at DX--State (COC)
Addr at DX--State (COC)
Addr at DX--State (NAACCR)
Addr at DX--State, Date of Diagnosis (COC)
Addr at DX--State, Postal Code Range (NAACCR)
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7
Filter Edits
Edit Logic does not compile
Administrative Notes is empty
Default Error Message is 0
Edit Sets
Agencies
Fields (selections made)
All Fields
Accession Number--Hosp
Addr at DX--City
Addr at DX--Country
Addr at DX--No & Street
Addr at DX--Postal Code
Addr at DX--State
Addr at DX--Supplementl
Addr Current--City
Addr Current--Country
Addr Current--No & Street
Addr Current--Postal Code
Selected Fields
Abstracted By
Filter using AND/OR logic
AND OR
Apply Clear Close


EditWriter v5
File Tools Window Help
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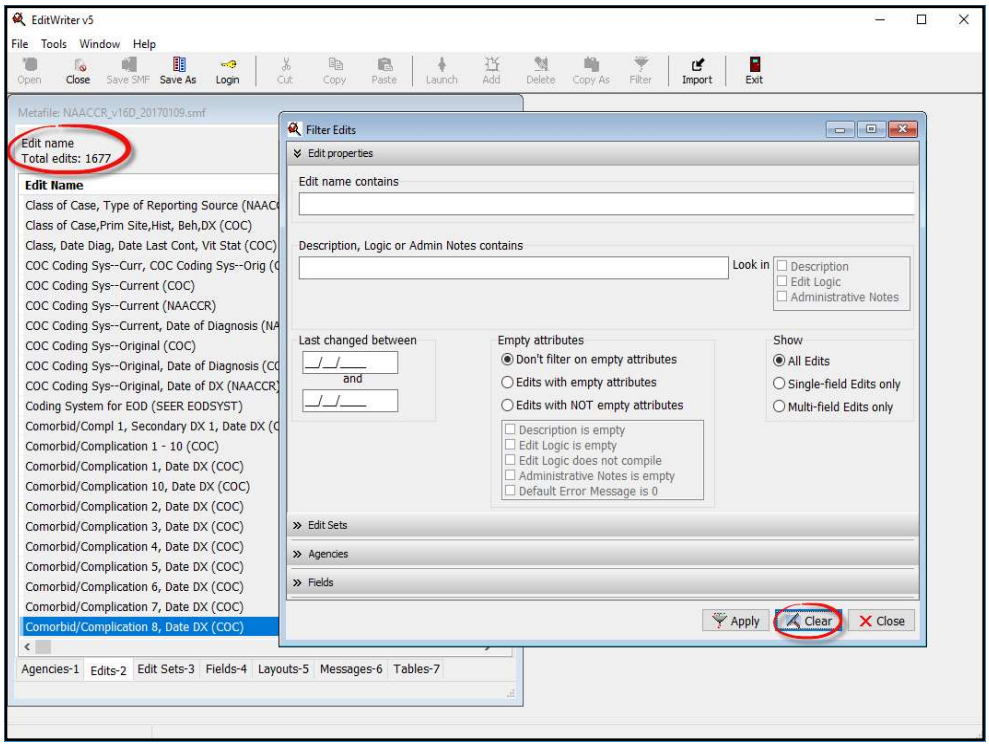
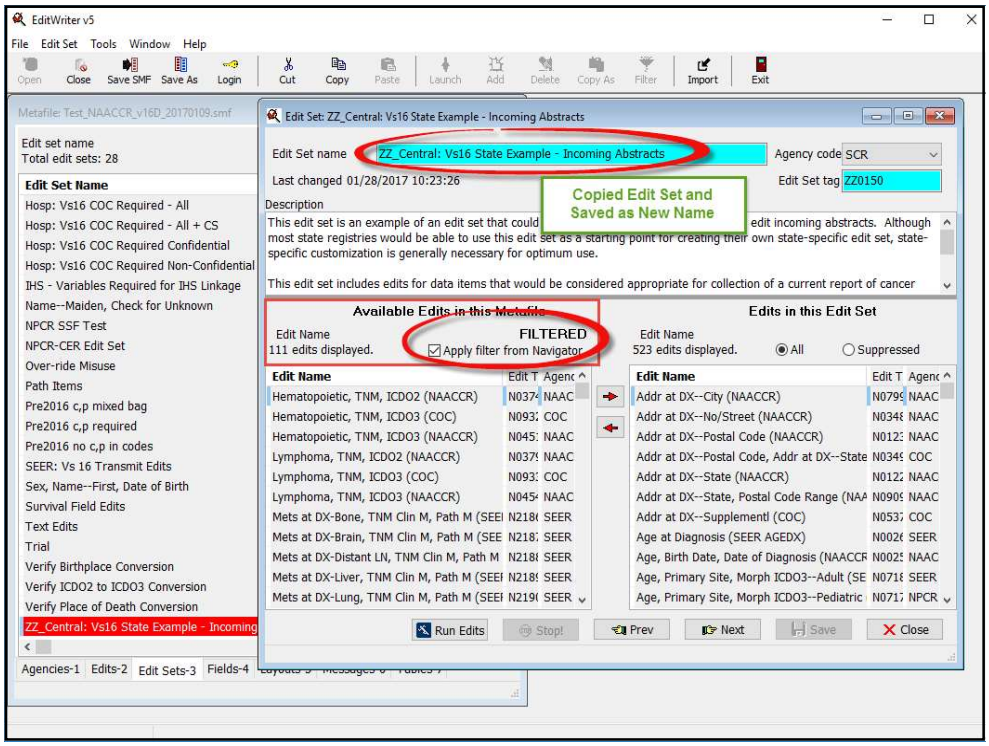
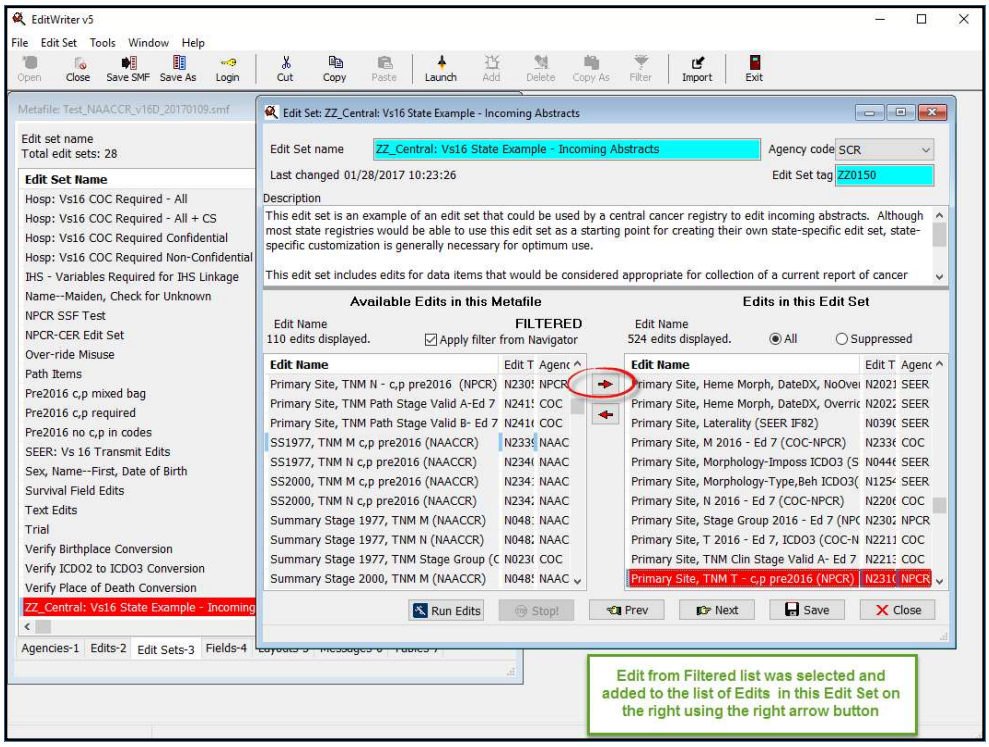
Edit name
Total edits in filtered list: 3
Edit Name
Abstracted By (COC)
Abstracted By (NAACCR)
Abstracted By, Date of Diagnosis (COC)
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7
Filter Edits
Edit Logic does not compile
Administrative Notes is empty
Default Error Message is 0
Edit Sets
Agencies
Fields (selections made)
All Fields
Accession Number--Hosp
Addr at DX--City
Addr at DX--Country
Addr at DX--No & Street
Addr at DX--Postal Code
Addr at DX--State
Addr at DX--Supplementl
Addr Current--City
Addr Current--Country
Addr Current--No & Street
Addr Current--Postal Code
Selected Fields
Abstracted By
Filter using AND/OR logic
AND OR
Apply Clear Close


EditWriter v5
File Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Edit name
Total edits: 1677
Edit Name
Filter Edits
Edit properties
Edit name contains
Description, Logic or Admin Notes contains
Look in
Description
Edit Logic
Administrative Notes
Last changed between
and
Empty attributes
Don't filter on empty attributes
Edits with empty attributes
Edits with NOT empty attributes
Description is empty
Edit Logic is empty
Edit Logic does not compile
Administrative Notes is empty
Default Error Message is 0
Show
All Edits
Single-field Edits only
Multi-field Edits only
Edit Sets
Agencies
Fields
Apply
Clear
Close
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7


EditWriter v5
File Edit Set Tools Window Help
Edit set name
Total edit sets: 28
Edit Set Name
Edit Set: ZZ_Central: Vs16 State Example - Incoming Abstracts
Edit Set name
ZZ_Central: Vs16 State Example - Incoming Abstracts
Agency code SCR
Last changed 01/28/2017 10:23:26
Edit Set tag ZZ0150
Copied Edit Set and Saved as New Name
Description
Available Edits in this Metafile
Edit Name
111 edits displayed.
FILTERED
Apply filter from Navigator
Edits in this Edit Set
523 edits displayed.
All
Suppressed
Run Edits
Stop!
Prev
Next
Save
Close
Agencies-1 Edits-2 Edit Sets-3 Fields-4



EditWriter

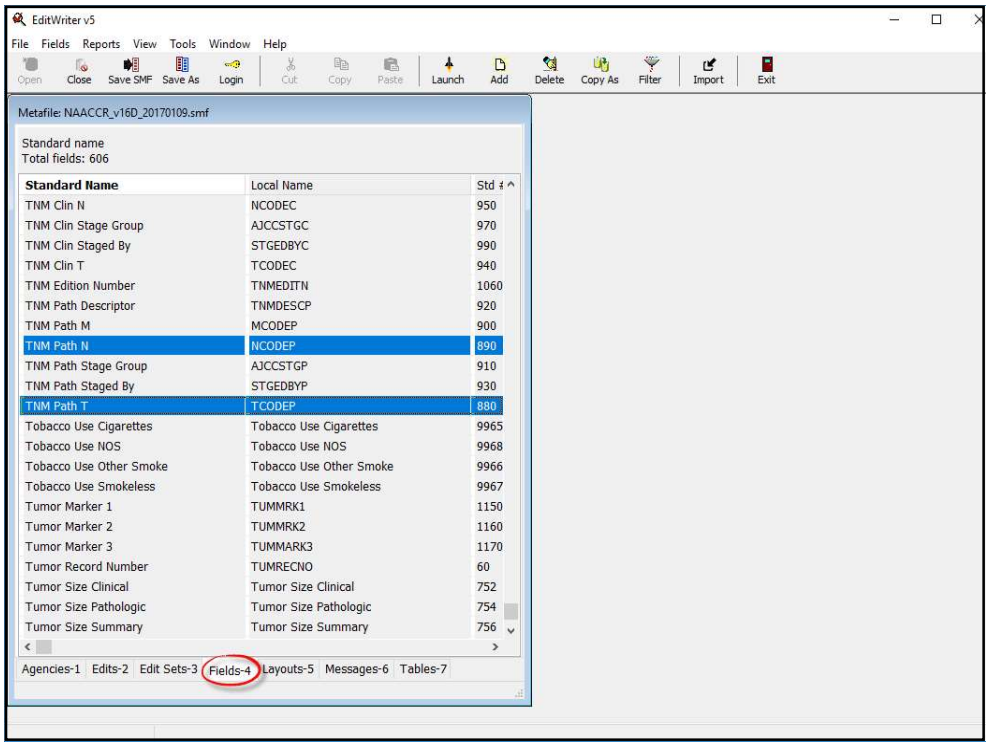
- Print Reports
  - Agency
  - Fields
  - Record Layout
  - Edits
  - Edit Sets
  - Messages
  - Tables
  - Excel: Edits/Edit Sets

Reports – Fields Detail Report

- Produce Fields Detail Report in one of two ways
  - Print only selected fields
    - Use Navigator to **View** list of **Fields** and select individual fields (Ctrl+Left Mouse Click)
    - Select **Reports** and select **Only Those Items Selected in the Navigator**
  - Print all fields
    - Select **Reports** and select **All Items in Navigator List**

Reports – Fields Detail Report

- Fields Detail Report
  - Available edits are listed for each field


EditWriter v5
File Fields Reports View Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
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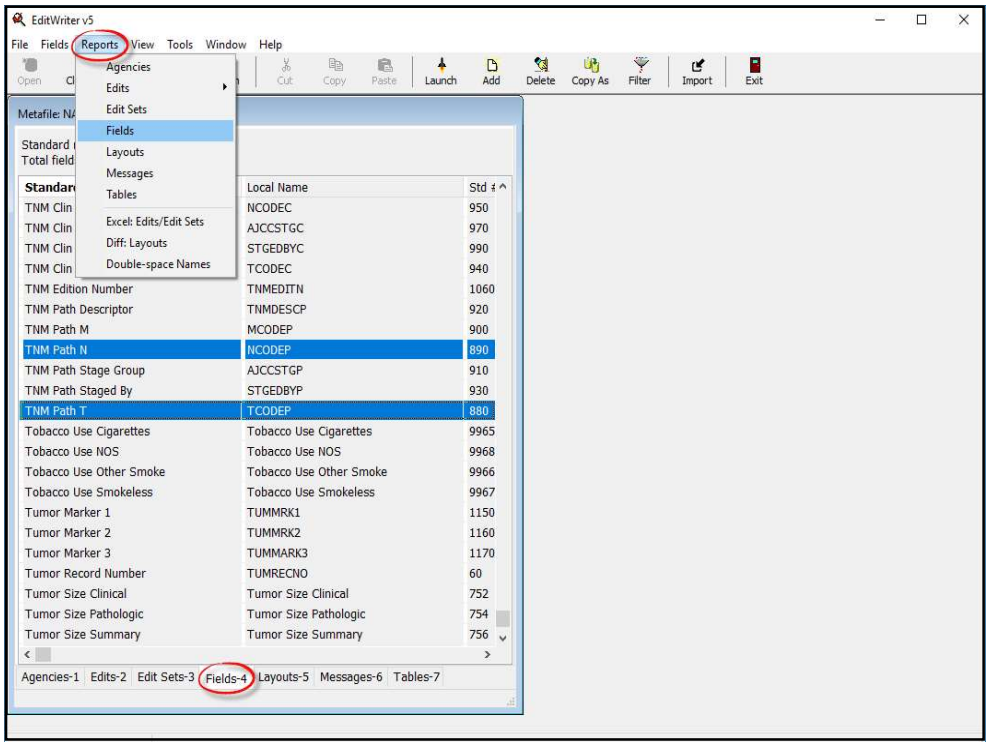
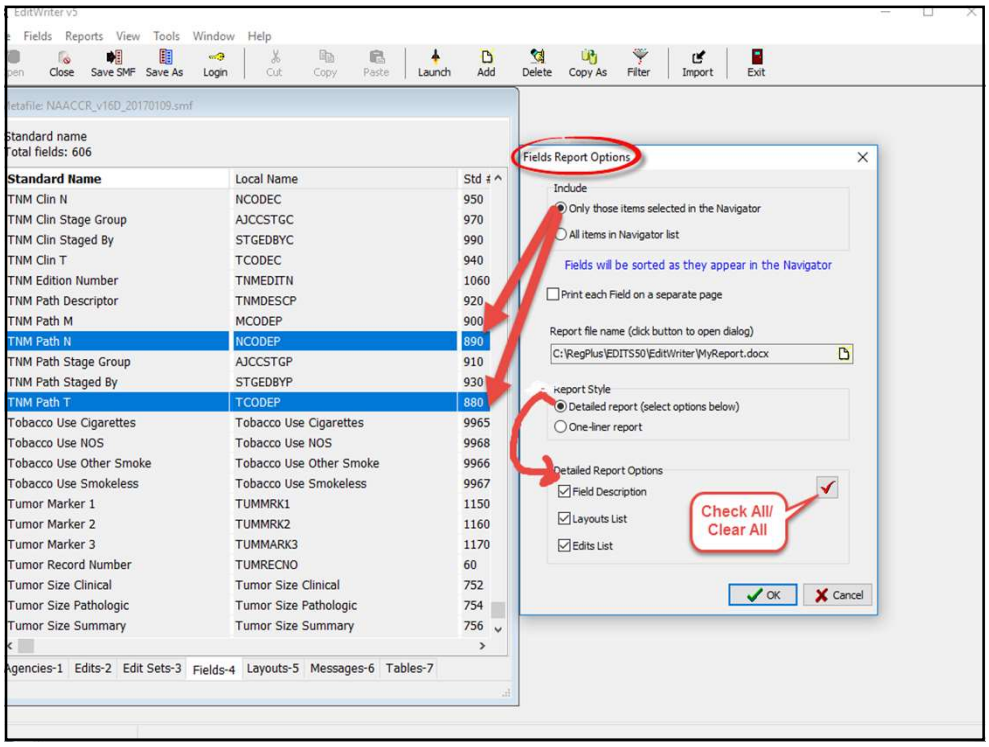
Standard name
Total fields: 606
Standard Name | Local Name | Std #
TNM Clin N | NCODEC | 950
TNM Clin Stage Group | AJCCSTGC | 970
TNM Clin Staged By | STGEDBYC | 990
TNM Clin T | TCODEC | 940
TNM Edition Number | TNMEDITN | 1060
TNM Path Descriptor | TNMDESCP | 920
TNM Path M | MCODEP | 900
TNM Path N | NCODEP | 890
TNM Path Stage Group | AJCCSTGP | 910
TNM Path Staged By | STGEDBYP | 930
TNM Path T | TCODEP | 880
Tobacco Use Cigarettes | Tobacco Use Cigarettes | 9965
Tobacco Use NOS | Tobacco Use NOS | 9968
Tobacco Use Other Smoke | Tobacco Use Other Smoke | 9966
Tobacco Use Smokeless | Tobacco Use Smokeless | 9967
Tumor Marker 1 | TUMMRK1 | 1150
Tumor Marker 2 | TUMMRK2 | 1160
Tumor Marker 3 | TUMMARK3 | 1170
Tumor Record Number | TUMRECNO | 60
Tumor Size Clinical | Tumor Size Clinical | 752
Tumor Size Pathologic | Tumor Size Pathologic | 754
Tumor Size Summary | Tumor Size Summary | 756
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7


EditWriter v5
File Fields Reports View Tools Window Help
Agencies
Edits
Edit Sets
Fields
Layouts
Messages
Tables
Excel: Edits/Edit Sets
Diff: Layouts
Double-space Names
Open Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Local Name | Std #
NCODEC | 950
AJCCSTGC | 970
STGEDBYC | 990
TCODEC | 940
TNMEDITN | 1060
TNMDESCP | 920
MCODEP | 900
NCODEP | 890
AJCCSTGP | 910
STGEDBYP | 930
TCODEP | 880
Tobacco Use Cigarettes | Tobacco Use Cigarettes | 9965
Tobacco Use NOS | Tobacco Use NOS | 9968
Tobacco Use Other Smoke | Tobacco Use Other Smoke | 9966
Tobacco Use Smokeless | Tobacco Use Smokeless | 9967
Tumor Marker 1 | TUMMRK1 | 1150
Tumor Marker 2 | TUMMRK2 | 1160
Tumor Marker 3 | TUMMARK3 | 1170
Tumor Record Number | TUMRECNO | 60
Tumor Size Clinical | Tumor Size Clinical | 752
Tumor Size Pathologic | Tumor Size Pathologic | 754
Tumor Size Summary | Tumor Size Summary | 756
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7


EditWriter v5
Fields Reports View Tools Window Help
Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Standard name
Total fields: 606
Standard Name | Local Name | Std #
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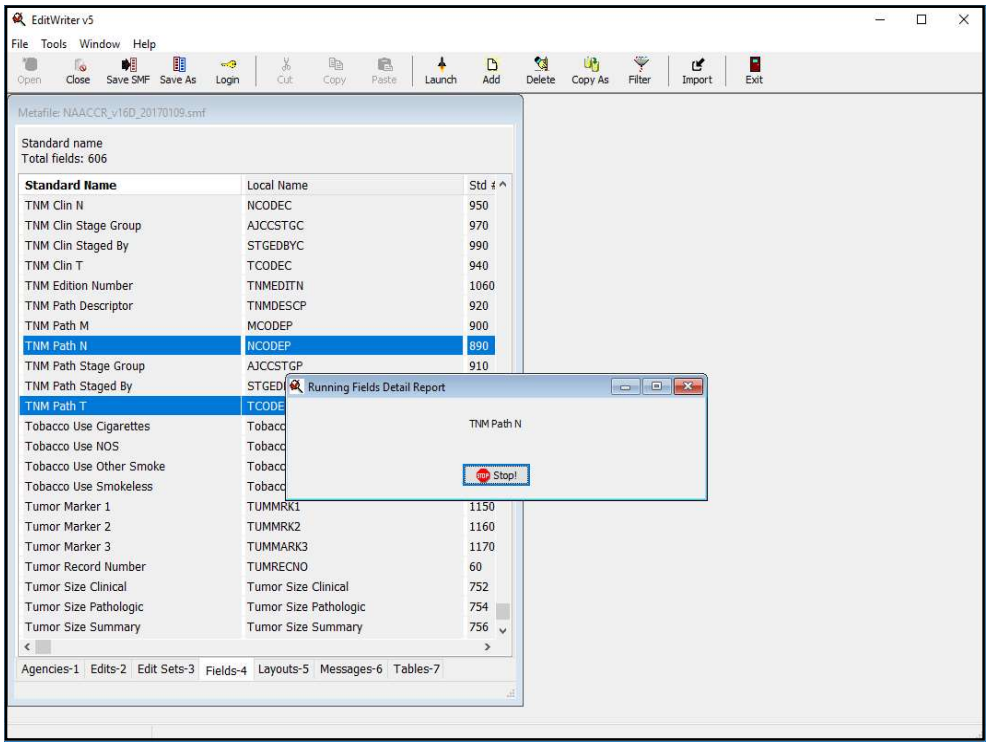
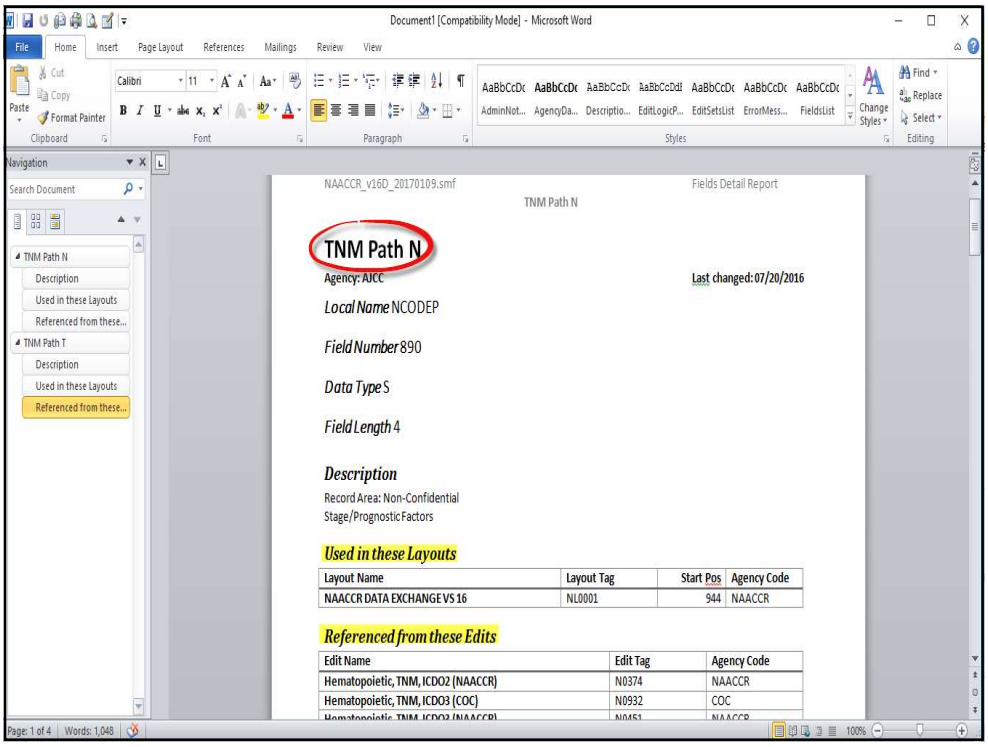
TNM Clin Stage Group | AJCCSTGC | 970
TNM Clin Staged By | STGEDBYC | 990
TNM Clin T | TCODEC | 940
TNM Edition Number | TNMEDITN | 1060
TNM Path Descriptor | TNMDESCP | 920
TNM Path M | MCODEP | 900
TNM Path N | NCODEP | 890
TNM Path Stage Group | AJCCSTGP | 910
TNM Path Staged By | STGEDBYP | 930
TNM Path T | TCODEP | 880
Tobacco Use Cigarettes | Tobacco Use Cigarettes | 9965
Tobacco Use NOS | Tobacco Use NOS | 9968
Tobacco Use Other Smoke | Tobacco Use Other Smoke | 9966
Tobacco Use Smokeless | Tobacco Use Smokeless | 9967
Tumor Marker 1 | TUMMRK1 | 1150
Tumor Marker 2 | TUMMRK2 | 1160
Tumor Marker 3 | TUMMARK3 | 1170
Tumor Record Number | TUMRECNO | 60
Tumor Size Clinical | Tumor Size Clinical | 752
Tumor Size Pathologic | Tumor Size Pathologic | 754
Tumor Size Summary | Tumor Size Summary | 756
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7
Fields Report Options
Include
Only those items selected in the Navigator
All items in Navigator list
Fields will be sorted as they appear in the Navigator
Print each Field on a separate page
Report file name (click button to open dialog)
C:\RegPlus\EDITS50\EditWriter\MyReport.docx
Report Style
Detailed report (select options below)
One-liner report
Detailed Report Options
Field Description
Layouts List
Edits List
Check All/ Clear All
OK
Cancel


EditWriter v5
File Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Standard name
Total fields: 606
Standard Name | Local Name | Std #
TNM Clin N | NCODEC | 950
TNM Clin Stage Group | AJCCSTGC | 970
TNM Clin Staged By | STGEDBYC | 990
TNM Clin T | TCODEC | 940
TNM Edition Number | TNMEDITN | 1060
TNM Path Descriptor | TNMDESCP | 920
TNM Path M | MCODEP | 900
TNM Path N | NCODEP | 890
TNM Path Stage Group | AJCCSTGP | 910
TNM Path Staged By
TNM Path T
Tobacco Use Cigarettes
Tobacco Use NOS
Tobacco Use Other Smoke
Tobacco Use Smokeless
Tumor Marker 1 | TUMMRK1 | 1150
Tumor Marker 2 | TUMMRK2 | 1160
Tumor Marker 3 | TUMMARK3 | 1170
Tumor Record Number | TUMRECNO | 60
Tumor Size Clinical | Tumor Size Clinical | 752
Tumor Size Pathologic | Tumor Size Pathologic | 754
Tumor Size Summary | Tumor Size Summary | 756
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7
Running Fields Detail Report
TNM Path N
Stop!



Reports – Edit Detail Report

- Print only selected edits

  OR

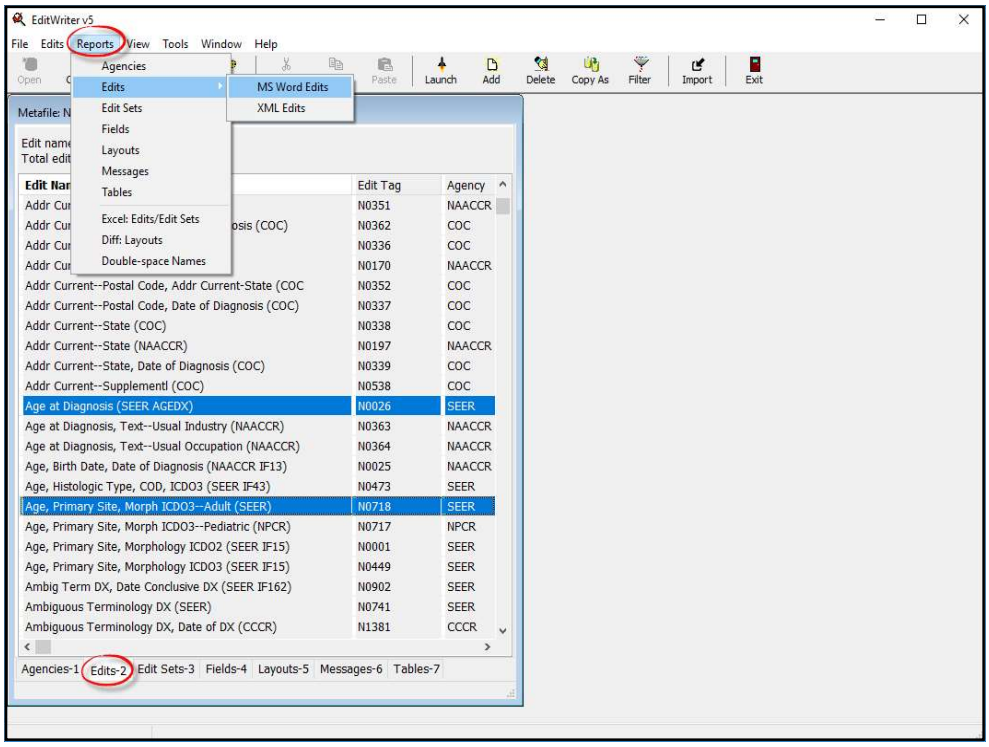
- Print all edits
  - VERY LARGE report – 1000+ edits
- **Read descriptions**

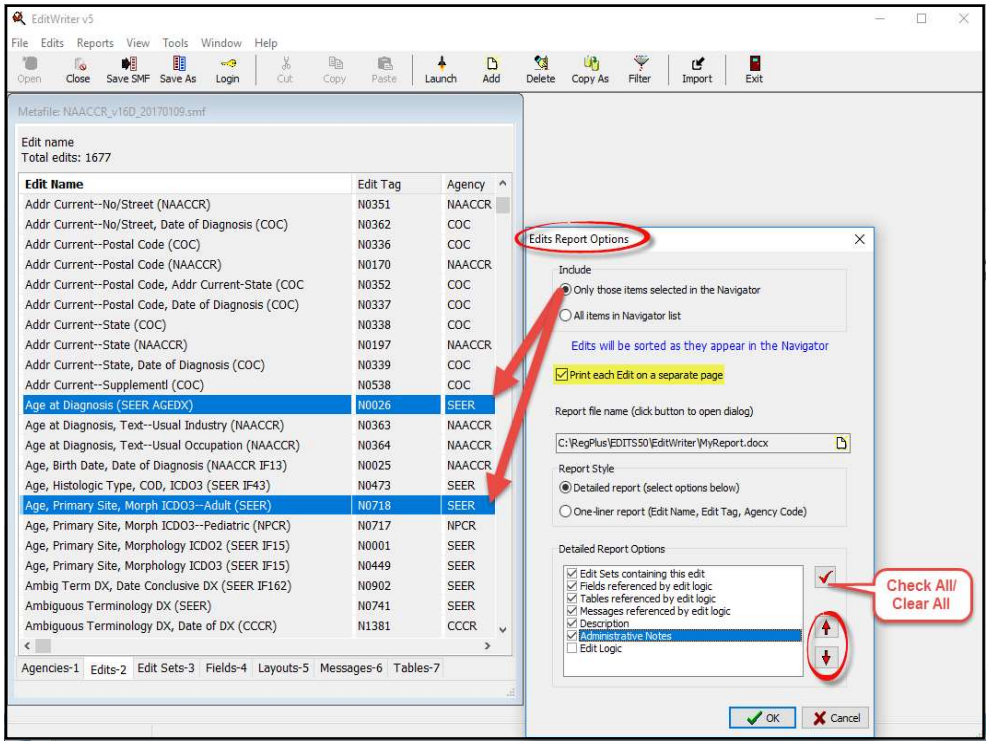
Reports – Edit Detail Report

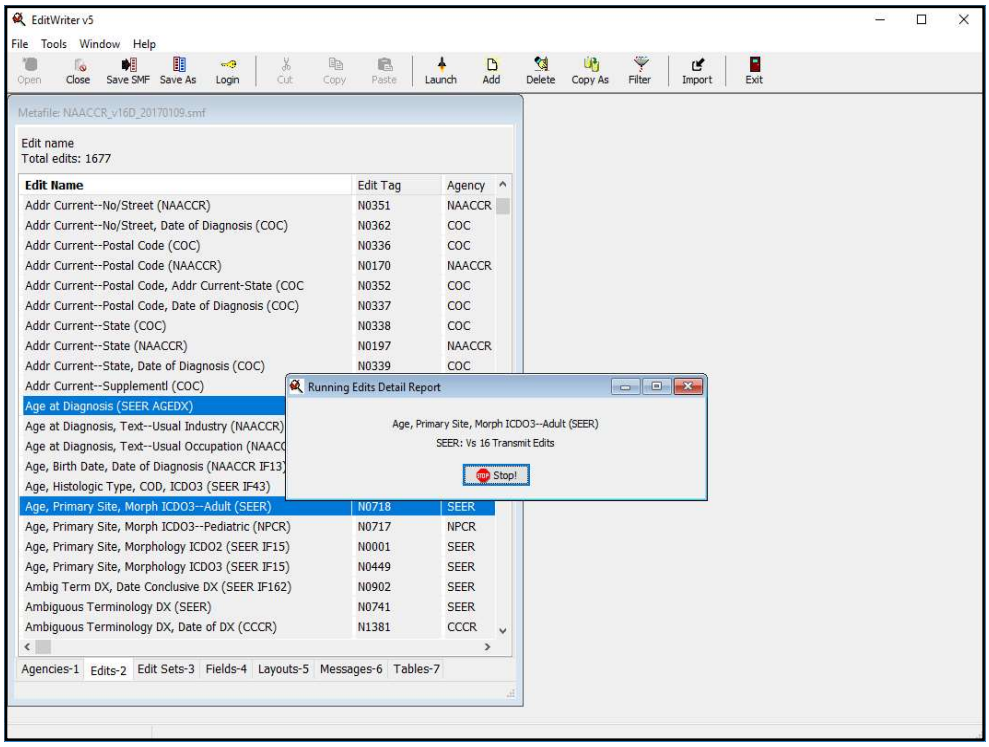
- **Report Format Options**
  - XML Edits
  - MS Word Edits

Reports – Edit Detail Report

- **Additional Options**
  - Print only filtered edits
  - Print list of edits


EditWriter v5
File Edits Reports View Tools Window Help
Agencies
Edits
Edit Sets
Fields
Layouts
Messages
Tables
Excel: Edits/Edit Sets
Diff: Layouts
Double-space Names
MS Word Edits
XML Edits
Launch Add Delete Copy As Filter Import Exit
Edit Name
Edit Tag
Agency
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7


EditWriter v5
File Edits Reports View Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
Edit name
Total edits: 1677
Edit Name
Edit Tag
Agency
Edits Report Options
Include
Only those items selected in the Navigator
All items in Navigator list
Edits will be sorted as they appear in the Navigator
Print each Edit on a separate page
Report file name (click button to open dialog)
C:\RegPlus\EDITS50\EditWriter\MyReport.docx
Report Style
Detailed report (select options below)
One-liner report (Edit Name, Edit Tag, Agency Code)
Detailed Report Options
Edit Sets containing this edit
Fields referenced by edit logic
Tables referenced by edit logic
Messages referenced by edit logic
Description
Administrative Notes
Edit Logic
Check All/ Clear All
OK
Cancel
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7


EditWriter v5
File Tools Window Help
Open Close Save SMF Save As Login Cut Copy Paste Launch Add Delete Copy As Filter Import Exit
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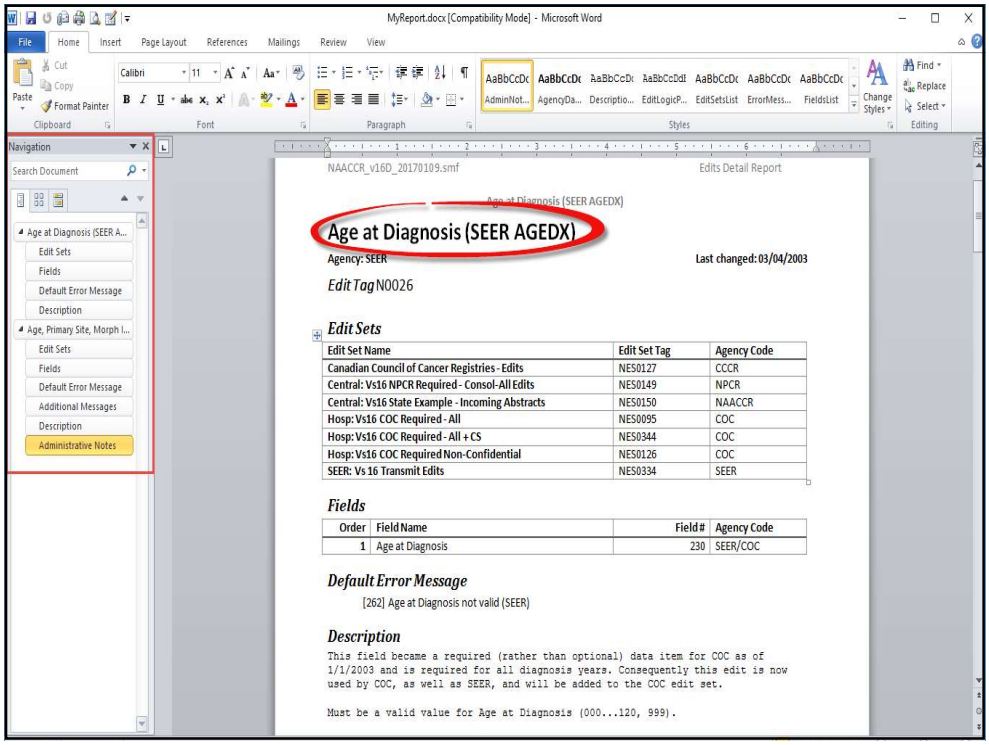
Total edits: 1677
Edit Name | Edit Tag | Agency
Addr Current--No/Street (NAACCR) | N0351 | NAACCR
Addr Current--No/Street, Date of Diagnosis (COC) | N0362 | COC
Addr Current--Postal Code (COC) | N0336 | COC
Addr Current--Postal Code (NAACCR) | N0170 | NAACCR
Addr Current--Postal Code, Addr Current-State (COC | N0352 | COC
Addr Current--Postal Code, Date of Diagnosis (COC) | N0337 | COC
Addr Current--State (COC) | N0338 | COC
Addr Current--State (NAACCR) | N0197 | NAACCR
Addr Current--State, Date of Diagnosis (COC) | N0339 | COC
Addr Current--Supplementl (COC)
Age at Diagnosis (SEER AGEDX)
Age at Diagnosis, Text--Usual Industry (NAACCR)
Age at Diagnosis, Text--Usual Occupation (NAACC
Age, Birth Date, Date of Diagnosis (NAACCR IF13)
Age, Histologic Type, COD, ICDO3 (SEER IF43)
Age, Primary Site, Morph ICDO3--Adult (SEER) | N0718 | SEER
Age, Primary Site, Morph ICDO3--Pediatric (NPCR) | N0717 | NPCR
Age, Primary Site, Morphology ICDO2 (SEER IF15) | N0001 | SEER
Age, Primary Site, Morphology ICDO3 (SEER IF15) | N0449 | SEER
Ambig Term DX, Date Conclusive DX (SEER IF162) | N0902 | SEER
Ambiguous Terminology DX (SEER) | N0741 | SEER
Ambiguous Terminology DX, Date of DX (CCCR) | N1381 | CCCR
Agencies-1 Edits-2 Edit Sets-3 Fields-4 Layouts-5 Messages-6 Tables-7
Running Edits Detail Report
Age, Primary Site, Morph ICDO3--Adult (SEER)
SEER: Vs 16 Transmit Edits
Stop!

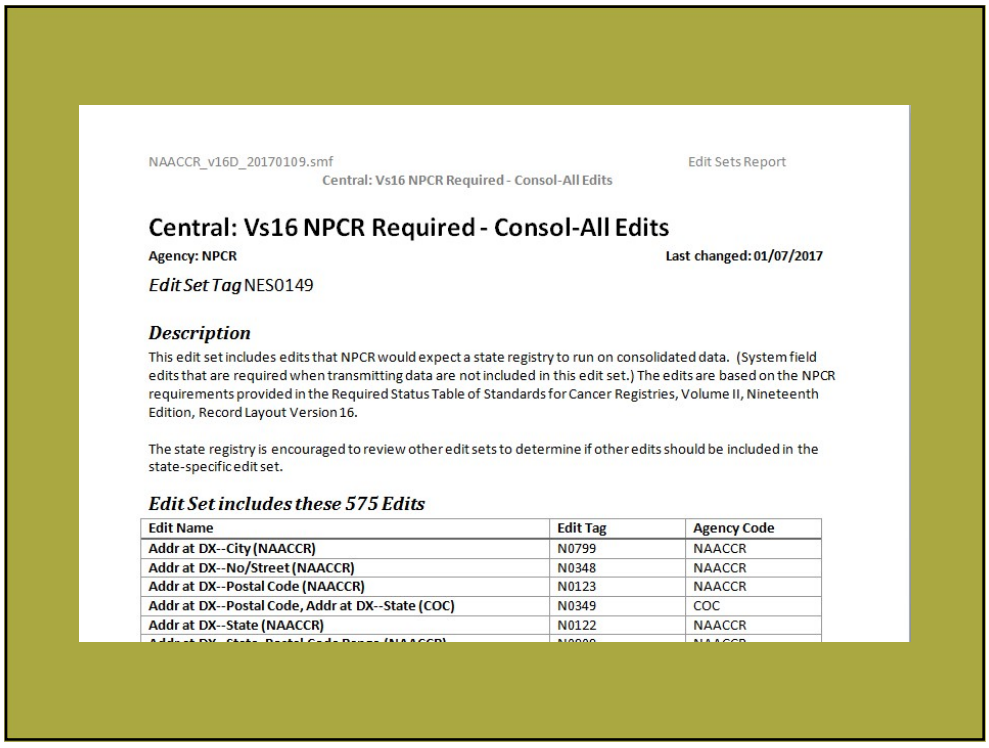

MyReport.docx [Compatibility Mode] - Microsoft Word
File Home Insert Page Layout References Mailings Review View
Navigation
Search Document
Age at Diagnosis (SEER A...
Edit Sets
Fields
Default Error Message
Description
Age, Primary Site, Morph I...
Edit Sets
Fields
Default Error Message
Additional Messages
Description
Administrative Notes
NAACCR_v16D_20170109.smf
Edits Detail Report
Age at Diagnosis (SEER AGEDX)
Age at Diagnosis (SEER AGEDX)
Agency: SEER
Last changed: 03/04/2003
Edit Tag N0026
Edit Sets
Edit Set Name | Edit Set Tag | Agency Code
Canadian Council of Cancer Registries - Edits | NES0127 | CCCR
Central: Vs16 NPCR Required - Consol-All Edits | NES0149 | NPCR
Central: Vs16 State Example - Incoming Abstracts | NES0150 | NAACCR
Hosp: Vs16 COC Required - All | NES0095 | COC
Hosp: Vs16 COC Required - All + CS | NES0344 | COC
Hosp: Vs16 COC Required Non-Confidential | NES0126 | COC
SEER: Vs 16 Transmit Edits | NES0334 | SEER
Fields
Order | Field Name | Field # | Agency Code
1 | Age at Diagnosis | 230 | SEER/COC
Default Error Message
[262] Age at Diagnosis not valid (SEER)
Description
This field became a required (rather than optional) data item for COC as of 1/1/2003 and is required for all diagnosis years. Consequently this edit is now used by COC, as well as SEER, and will be added to the COC edit set.
Must be a valid value for Age at Diagnosis (000...120, 999).

Reports – Edit Set Report

- Print only selected edit sets

  OR

- Print all edit sets
- **Read descriptions**



NAACCR_v16D_20170109.smf Edit Sets Report

Central: Vs16 NPCR Required - Consol-All Edits

Central: Vs16 NPCR Required - Consol-All Edits

Agency: NPCR **Last changed: 01/07/2017**

Edit Set Tag NES0149

Description

This edit set includes edits that NPCR would expect a state registry to run on consolidated data. (System field edits that are required when transmitting data are not included in this edit set.) The edits are based on the NPCR requirements provided in the Required Status Table of Standards for Cancer Registries, Volume II, Nineteenth Edition, Record Layout Version 16.

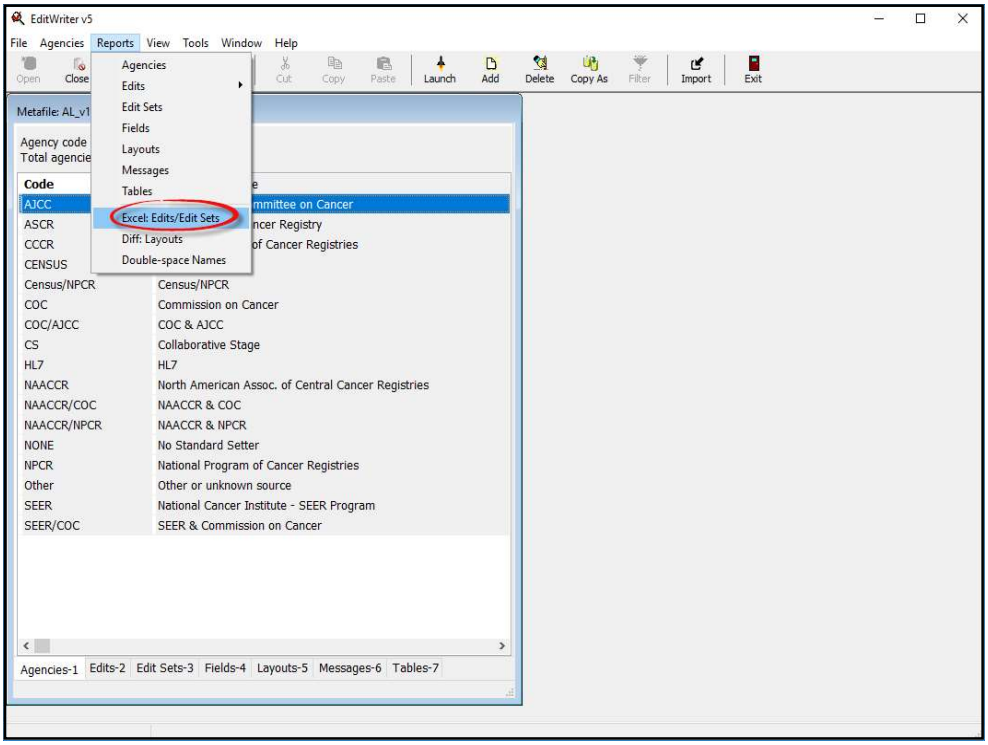
The state registry is encouraged to review other edit sets to determine if other edits should be included in the state-specific edit set.

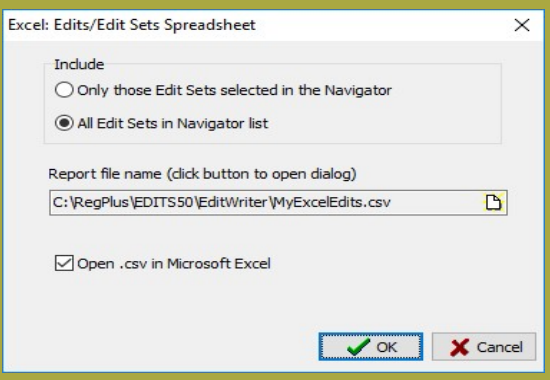
Edit Set includes these 575 Edits

Edit Name	Edit Tag	Agency Code
Addr at DX--City (NAACCR)	N0799	NAACCR
Addr at DX--No/Street (NAACCR)	N0348	NAACCR
Addr at DX--Postal Code (NAACCR)	N0123	NAACCR
Addr at DX--Postal Code, Addr at DX--State (COC)	N0349	COC
Addr at DX--State (NAACCR)	N0122	NAACCR

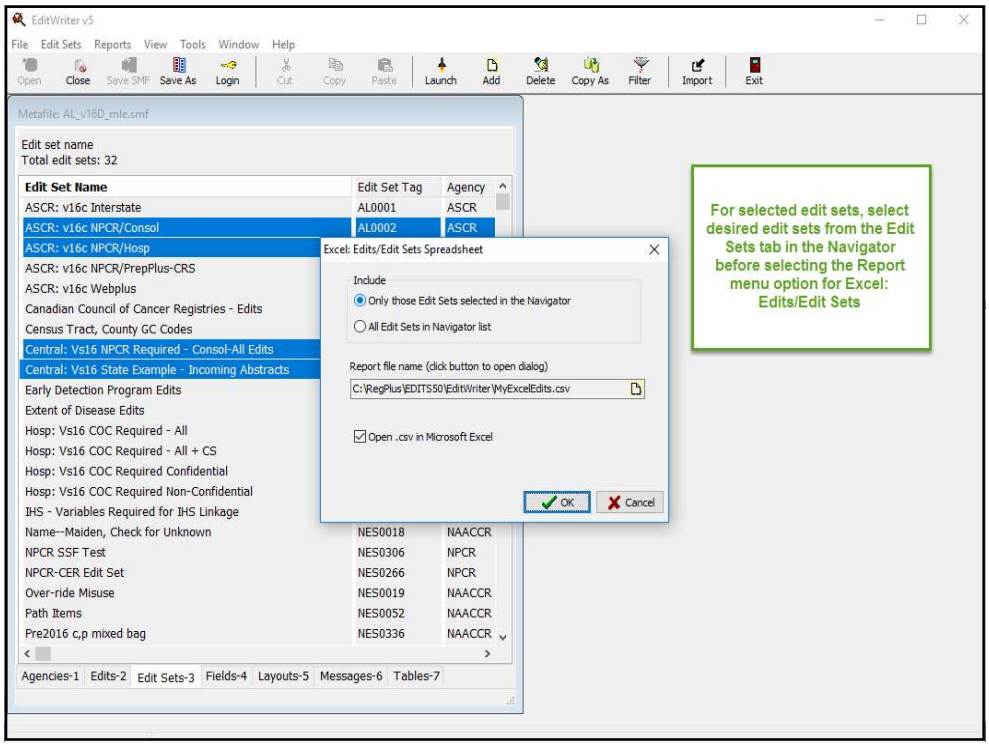
Reports – Edits/Edit Sets Report

- Displays edits included in each selected edit set
- Useful to compare edits in edit set
- Compare to standard setter edit sets for verification
- Compare multiple versions of the same edit

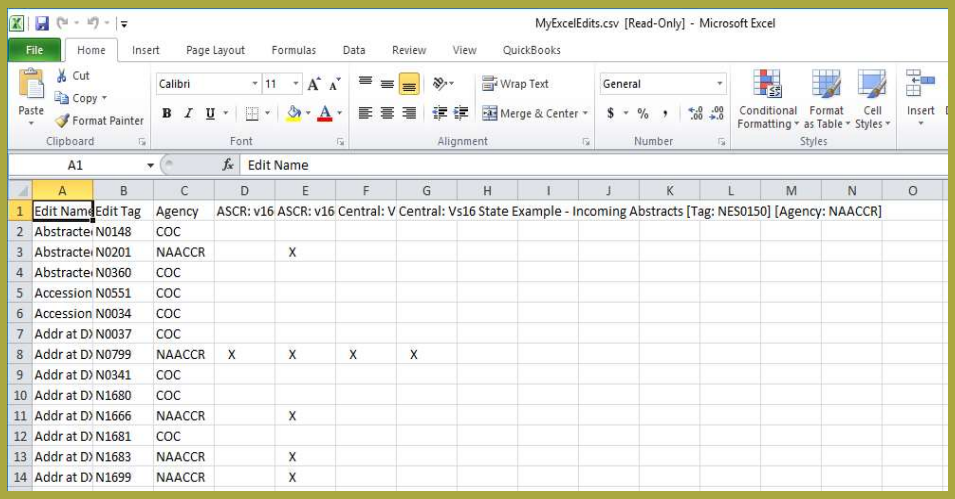




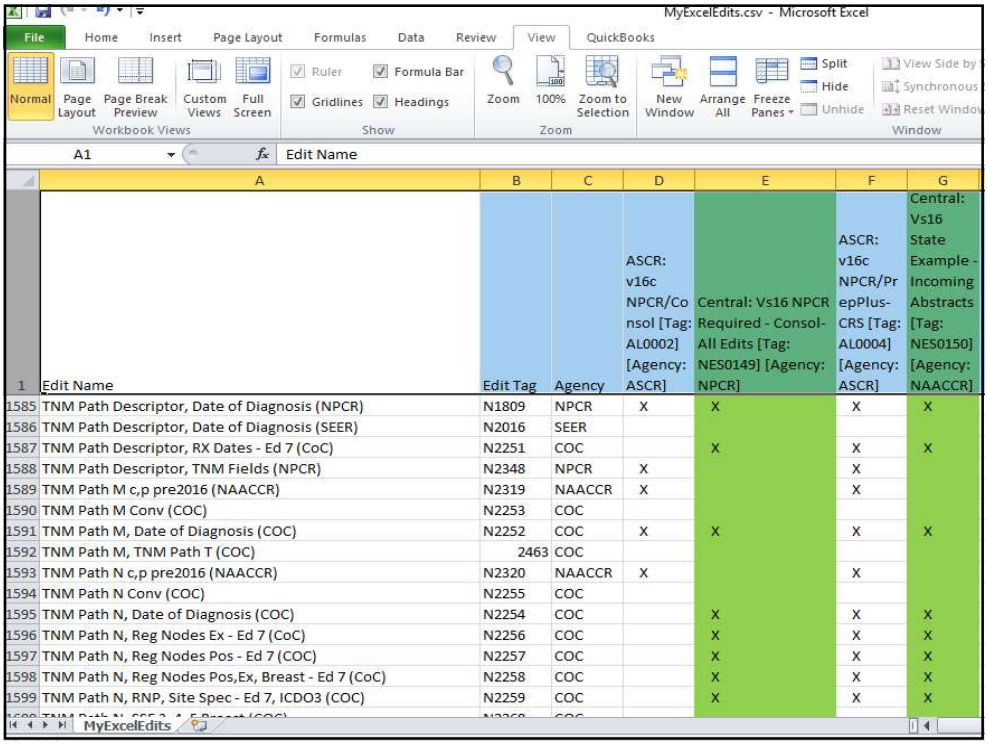
Option to include only Edit Sets selected or all Edit Sets in Navigator list



When Open .csv in Microsoft Excel is checked, the report will automatically open in Excel.



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Edit Name	Edit Tag	Agency	ASCR: v16	ASCR: v16	Central: V	Central: Vs16	State Example - Incoming Abstracts [Tag: NES0150] [Agency: NAACCR]							
2	Abstracte	N0148	COC												
3	Abstracte	N0201	NAACCR		X										
4	Abstracte	N0360	COC												
5	Accession	N0551	COC												
6	Accession	N0034	COC												
7	Addr at D	N0037	COC												
8	Addr at D	N0799	NAACCR	X	X	X	X								
9	Addr at D	N0341	COC												
10	Addr at D	N1680	COC												
11	Addr at D	N1666	NAACCR		X										
12	Addr at D	N1681	COC												
13	Addr at D	N1683	NAACCR		X										
14	Addr at D	N1699	NAACCR		X										



	A	B	C	D	E	F	G
1	Edit Name	Edit Tag	Agency	ASCR: v16c NPCR/Consol [Tag: AL0002] [Agency: ASCR]	Central: Vs16 NPCR Required - Consol-All Edits [Tag: NES0149] [Agency: NPCR]	ASCR: v16c NPCR/PrepPlus-CRS [Tag: AL0004] [Agency: ASCR]	Central: Vs16 State Example - Incoming Abstracts [Tag: NES0150] [Agency: NAACCR]
1585	TNM Path Descriptor, Date of Diagnosis (NPCR)	N1809	NPCR	X	X	X	X
1586	TNM Path Descriptor, Date of Diagnosis (SEER)	N2016	SEER				
1587	TNM Path Descriptor, RX Dates - Ed 7 (CoC)	N2251	COC		X	X	X
1588	TNM Path Descriptor, TNM Fields (NPCR)	N2348	NPCR	X		X	
1589	TNM Path M c,p pre2016 (NAACCR)	N2319	NAACCR	X		X	
1590	TNM Path M Conv (COC)	N2253	COC				
1591	TNM Path M, Date of Diagnosis (COC)	N2252	COC	X	X	X	X
1592	TNM Path M, TNM Path T (COC)	2463	COC				
1593	TNM Path N c,p pre2016 (NAACCR)	N2320	NAACCR	X		X	
1594	TNM Path N Conv (COC)	N2255	COC				
1595	TNM Path N, Date of Diagnosis (COC)	N2254	COC		X	X	X
1596	TNM Path N, Reg Nodes Ex - Ed 7 (CoC)	N2256	COC		X	X	X
1597	TNM Path N, Reg Nodes Pos - Ed 7 (COC)	N2257	COC		X	X	X
1598	TNM Path N, Reg Nodes Pos,Ex, Breast - Ed 7 (CoC)	N2258	COC		X	X	X
1599	TNM Path N, RNP, Site Spec - Ed 7, ICDO3 (COC)	N2259	COC		X	X	X

Selecting Edits for State Edit Sets: Tips

- Choose from among multiple edits for same item – by Agency
  - SEER edits
  - COC edits
  - NPCR edits
  - NAACCR edits

Agency Edit Differences: SEER

- Strict application of rules by diagnosis year
  - Ex. Treatment edits
- Many edits include Sequence Number--Central

Agency Edit Differences: COC

- Assume data conversion rather than strict application of rules by diagnosis year
  - Ex. Treatment edits
  - Ex. Conversion required for TNM c and p indicators for pre-2016 data
- Many edits include Sequence Number--Hosp

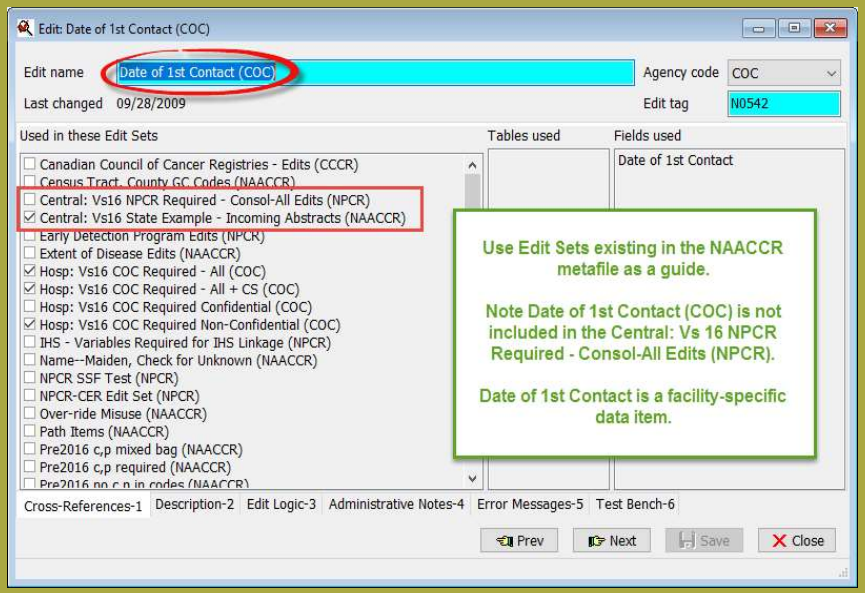
NAACCR Edits

- Written to supplement other standards – do not duplicate SEER, COC, or NPCR edits

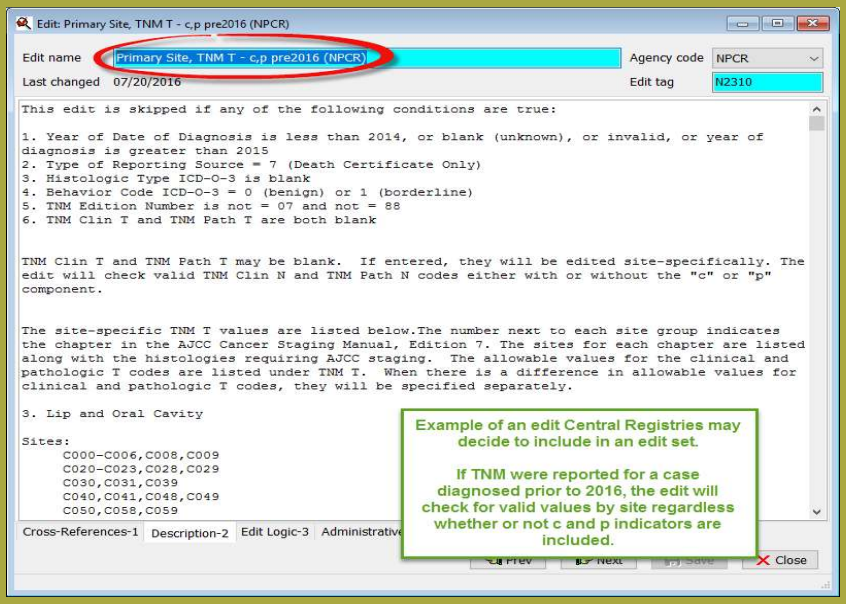
Selecting Edits for Customized Edit Sets

- Critical Step
  - Only include edits for data items collected
  - Selected Edits need to match registry requirements
  - Edits for Incoming Abstracts vs Consolidated
    - Edits for facility-specific data items should not be included in edit sets for consolidated records
  - Review Edit Descriptions carefully
  - Utilize Test Bench to assist in making decisions

Edit Selection Examples



Edit Selection Examples

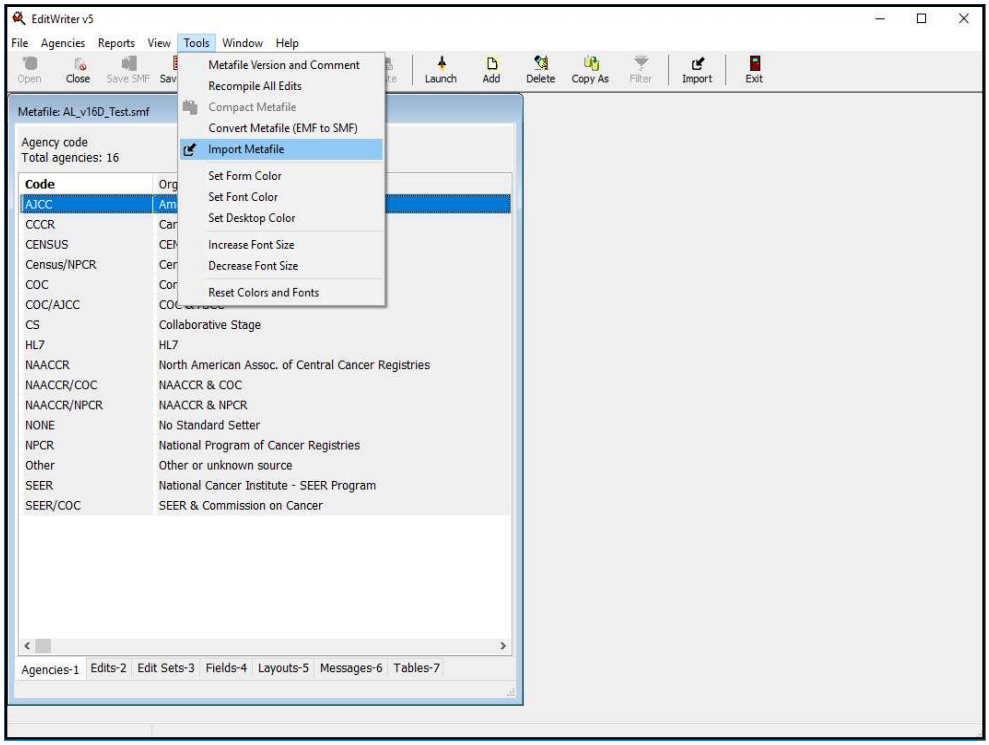


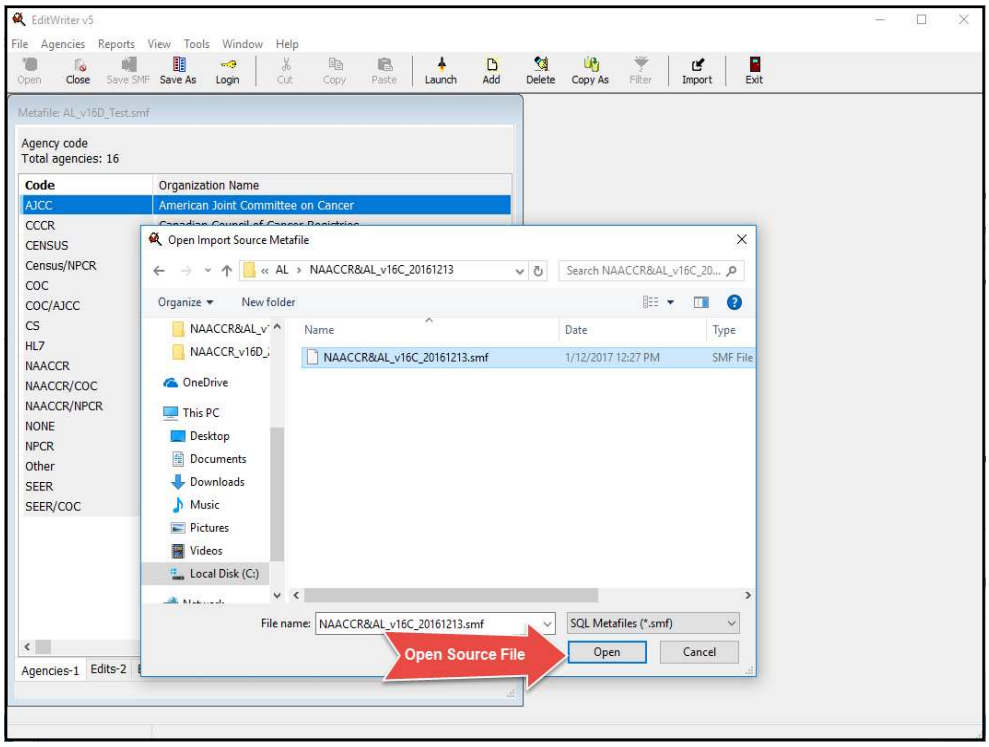
EditWriter – Import Metafile

- Copy objects from one metafile into another
- Import state-specific edits and edit sets

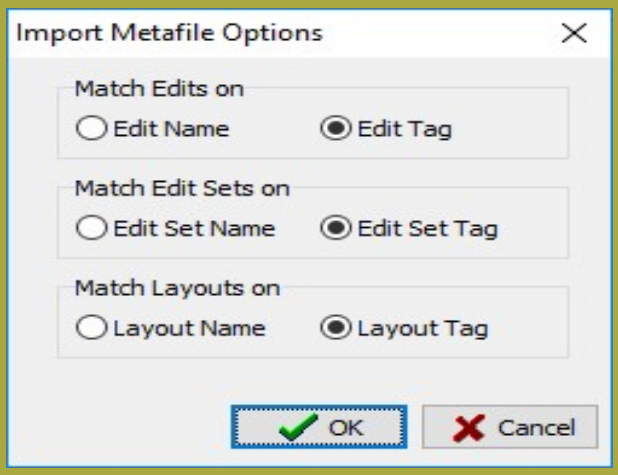
EditWriter Import Metafile Definitions

- **Target Metafile**
  - Metafile that will receive imported objects
  - The metafile open in the Navigator
- **Import or Source Metafile**
  - Metafile from which objects will be selected for import



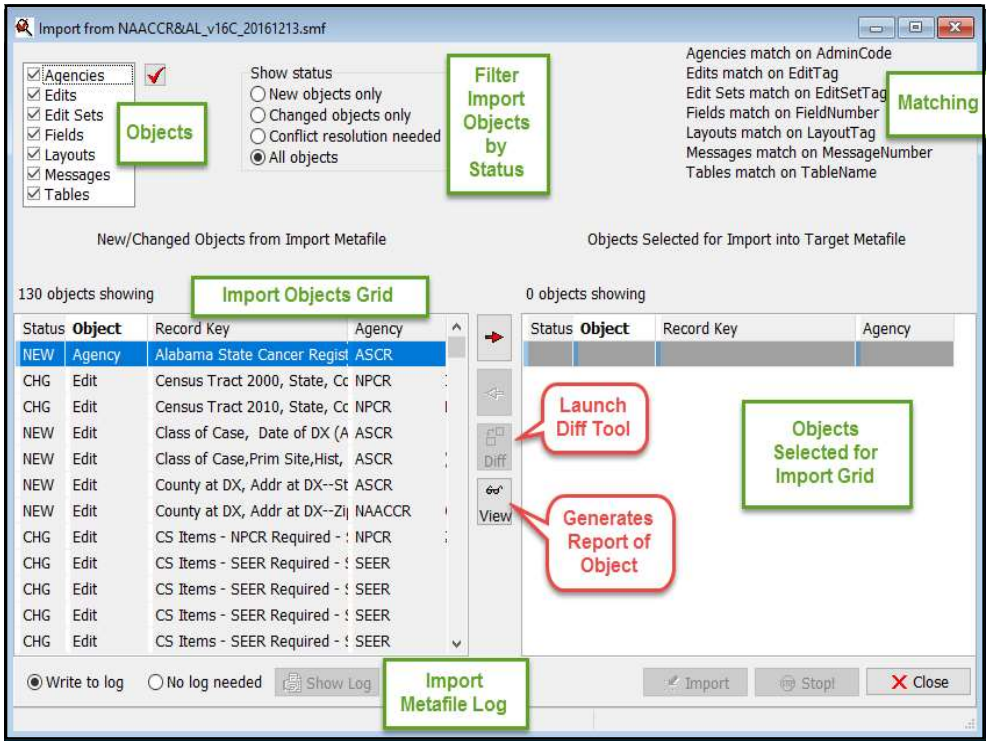


Import Metafile Options



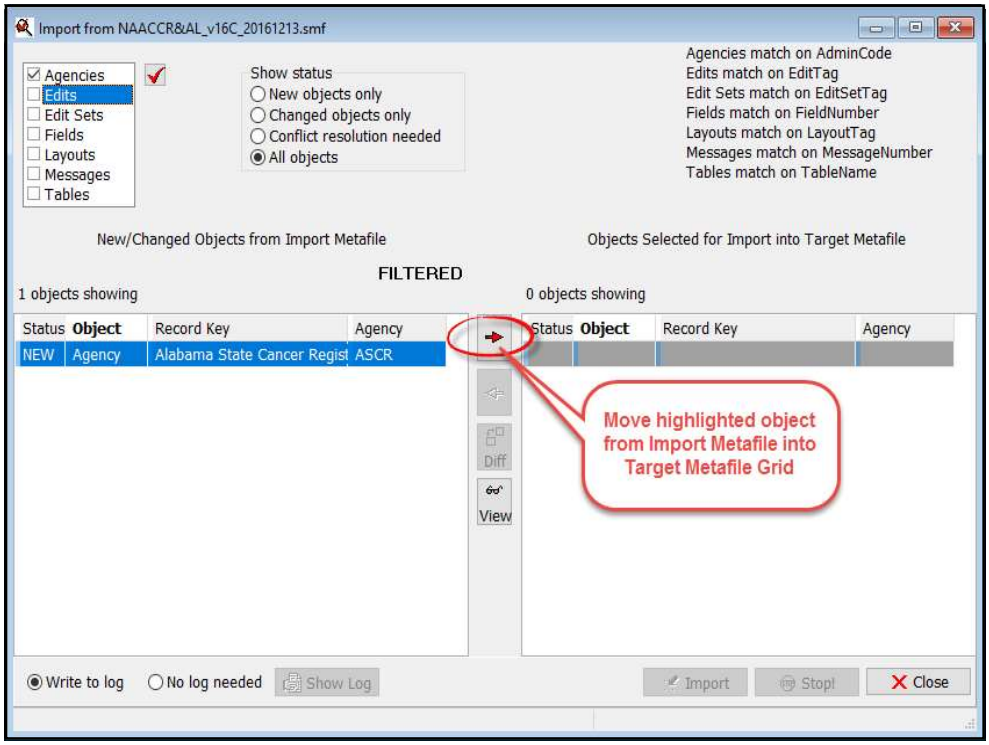
Import Metafile Options

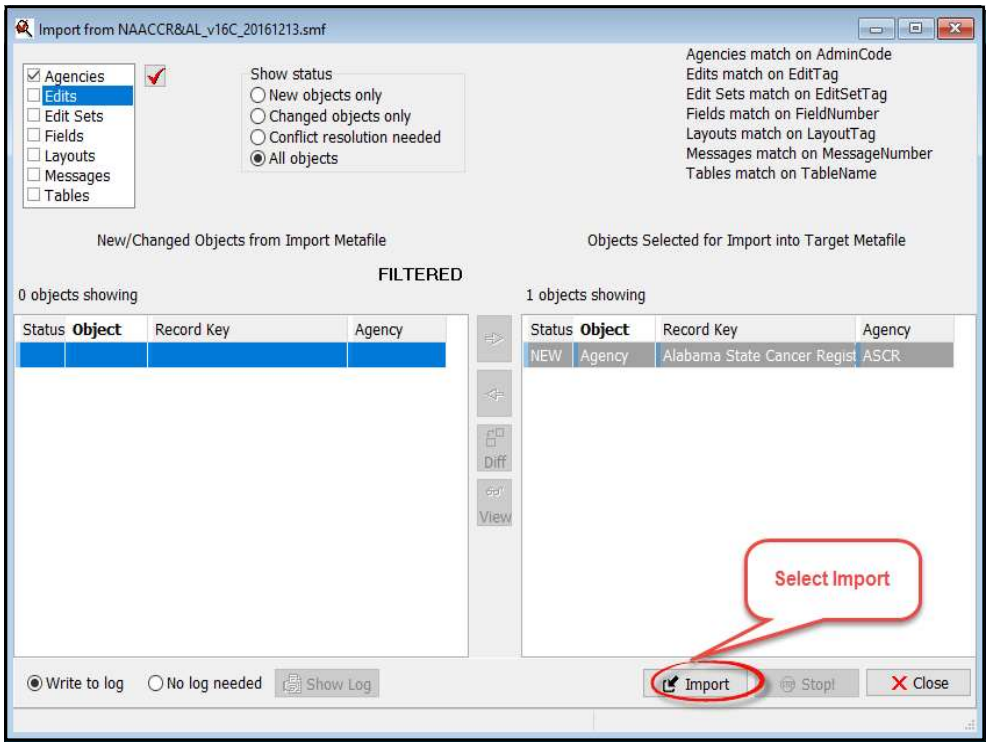
- If both metafiles were converted from EMF using a Tags script – select matching on Tags.
- Matching on Tags ensures more accurate matching of objects than matching on Name.

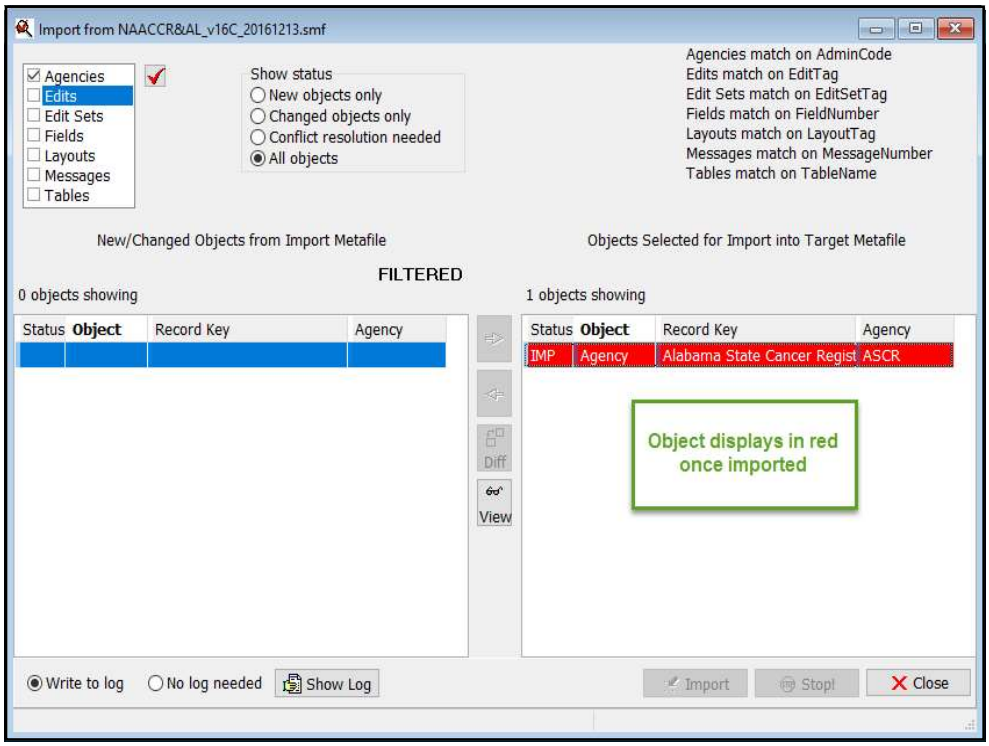


Import Order

- Agencies
- Fields
- Messages
- Tables
- Edits
- Edit Sets
- Layouts




Import from NAACCR&AL_v16C_20161213.smf
Agencies
Edits
Edit Sets
Fields
Layouts
Messages
Tables
Show status
New objects only
Changed objects only
Conflict resolution needed
All objects
Agencies match on AdminCode
Edits match on EditTag
Edit Sets match on EditSetTag
Fields match on FieldNumber
Layouts match on LayoutTag
Messages match on MessageNumber
Tables match on TableName
New/Changed Objects from Import Metafile
Objects Selected for Import into Target Metafile
FILTERED
0 objects showing
1 objects showing
Status Object Record Key Agency
NEW Agency Alabama State Cancer Regist ASCR
Diff
View
Select Import
Write to log
No log needed
Show Log
Import
Stop!
Close


Import from NAACCR&AL_v16C_20161213.smf
Agencies
Edits
Edit Sets
Fields
Layouts
Messages
Tables
Show status
New objects only
Changed objects only
Conflict resolution needed
All objects
Agencies match on AdminCode
Edits match on EditTag
Edit Sets match on EditSetTag
Fields match on FieldNumber
Layouts match on LayoutTag
Messages match on MessageNumber
Tables match on TableName
New/Changed Objects from Import Metafile
Objects Selected for Import into Target Metafile
FILTERED
0 objects showing
1 objects showing
Status Object Record Key Agency
IMP Agency Alabama State Cancer Regist ASCR
Diff
View
Object displays in red once imported
Write to log
No log needed
Show Log
Import
Stop!
Close

Import Status Codes

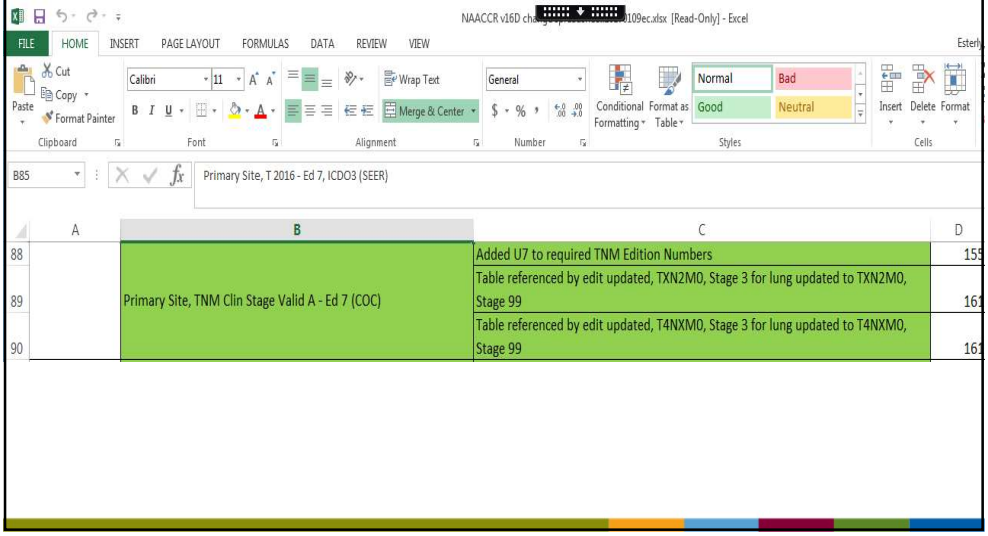
- Status codes indicate whether an object is new or changed. Asterisk indicates conflict resolution required.

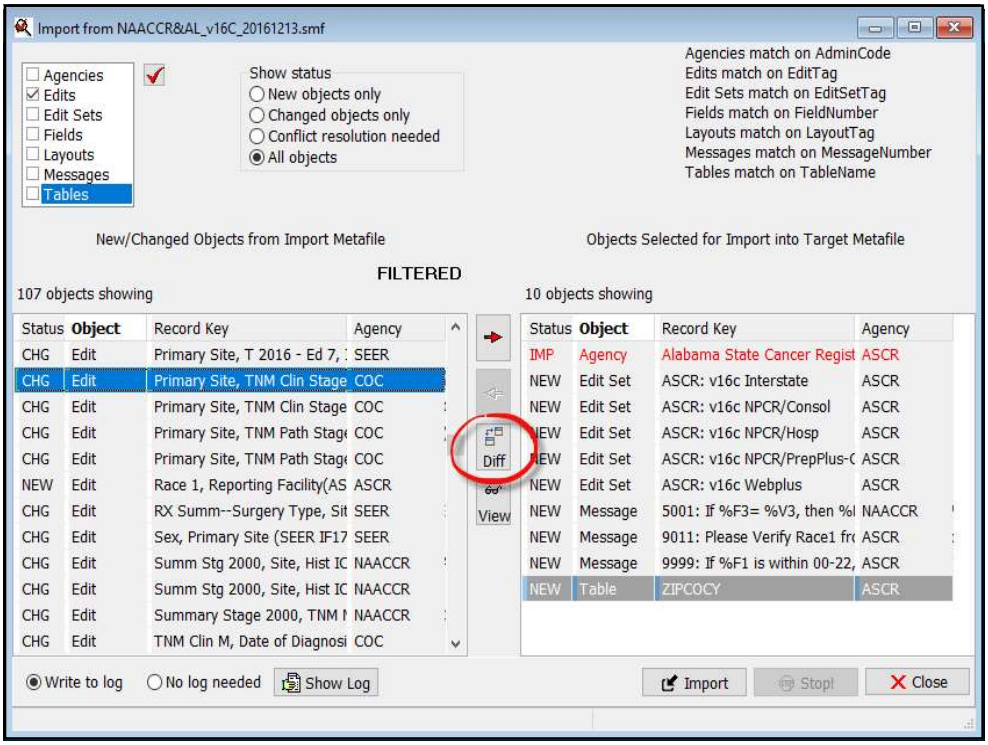
NEW	**Object does not exist in target metafile; may be added**
NEW*	**Object does not exist in target metafile; one of its critical fields conflicts with another object in the target metafile**
CHG	**Object exists in target metafile; differences exist in one or more non-critical fields**
CHG*	**Object exists in target metafile; one of its critical fields conflicts with another object in the target metafile**
IMP	**Object has been successfully imported into target metafile**

Importing Objects

- Import all appropriate objects
- Review objects with Status NEW and CHG carefully
  - Compare to NAACCR spreadsheet of changes
  - Use Diff tool to view differences

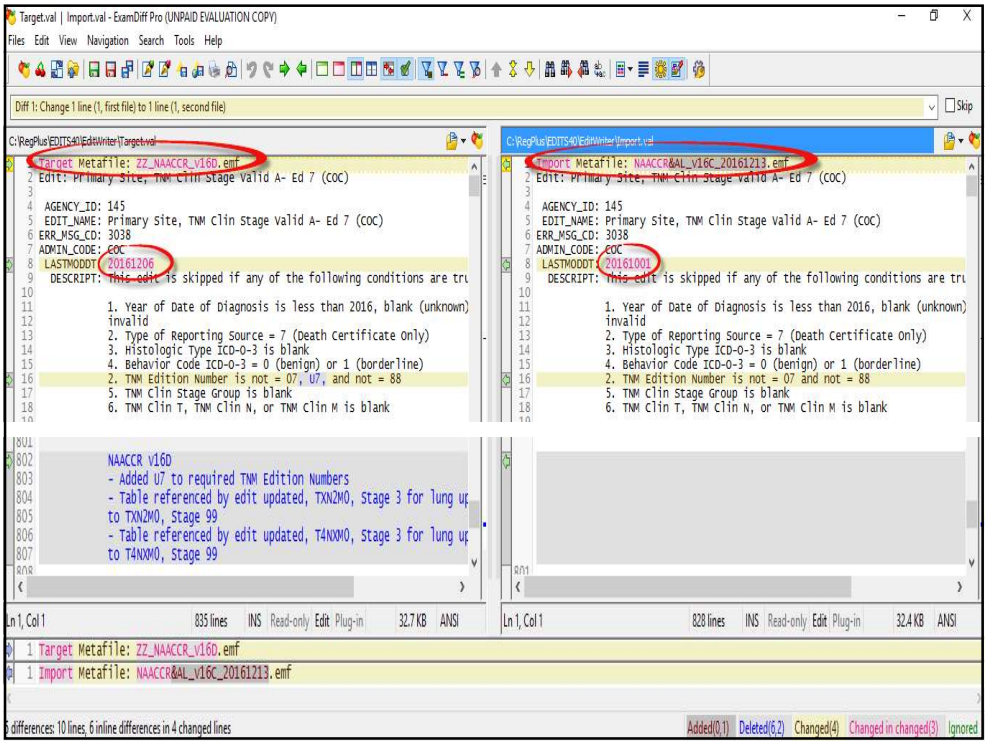
NAACCR Metafile Change Spreadsheet





Diff Tool Details

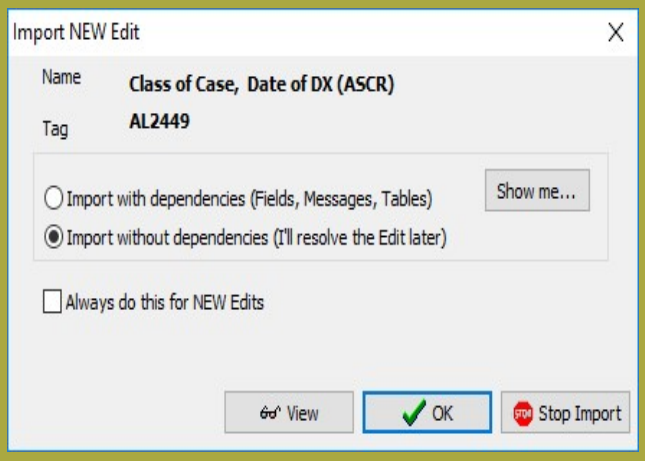
- Diff tool to compare contents of two text files required
  - Diff: Layouts report
  - Import Metafile module
- ExamDiff Pro® recommended
  - Freely-available
  - Download at http://www.prestosoft.com/
- Additional information in EditWriter Help



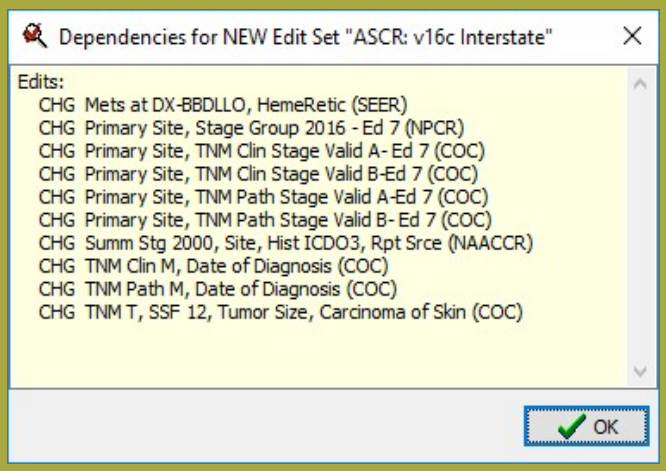
Conflict Resolution

- If an Agency, Field, Message, or Table object's status is NEW, it will be imported.
- If an object is an Edit, Edit Set, or Layout, the object's dependencies are considered.

If one or more dependent objects is new or changed…



Viewing Dependencies

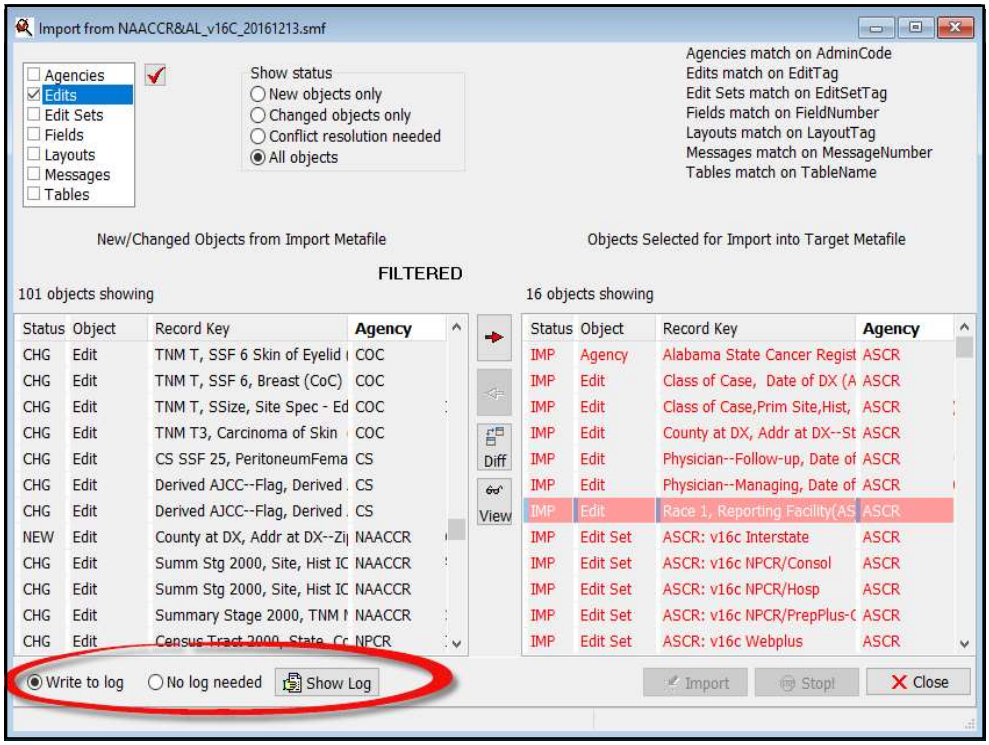


Importing With Dependencies

- Disposition or conflict resolution dialogs presented if one or more dependent objects of an Edit, Edit Set or Layout has Status Code = NEW, NEW*, CHG, or CHG*
- Cascading effect
- Objects are dependencies of other objects
  - Fields are referenced from Edits, and used in layouts
  - Messages and Tables are referenced from Edits

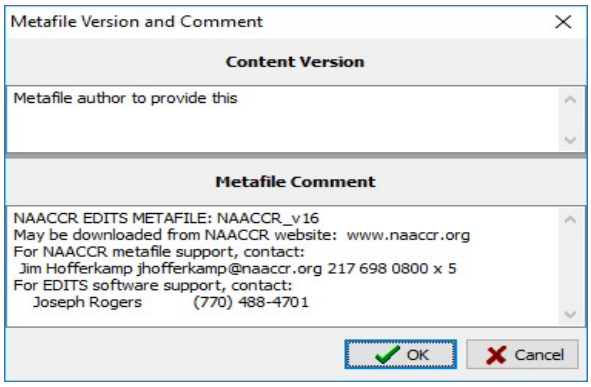
Importing Without Dependencies (Resolve the object later)

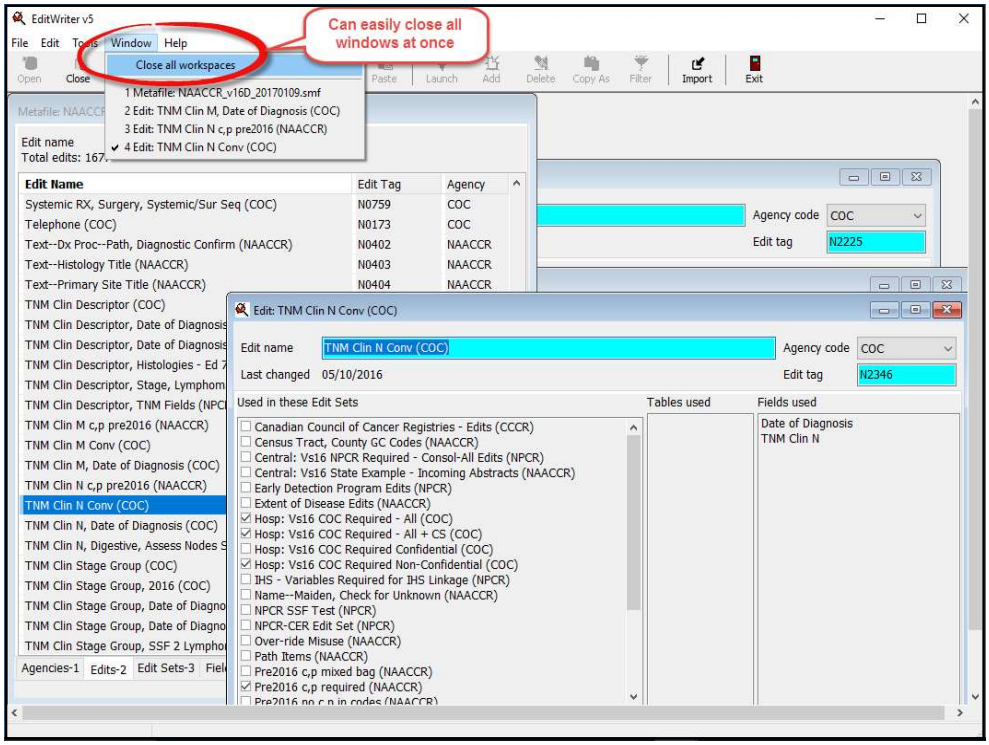
- When importing a custom Edit Set from a previous version/year metafile
  - Edit Set in previous metafile likely references Edits, Fields, Messages, and Tables that have been changed in the newer version
- Process will link newer versions of all dependent objects to the imported edit set
- Supports following recommended order for importing



Update the Metafile Version

- Metafile author descriptions
- Tools → Metafile Version and Comment





EditWriter

If you have made ANY changes to the metafile, you must **SAVE** the metafile.

EditWriter/GenEDITS Plus

- Use the metafile with GenEDITS Plus
  - Selected edit sets are run against data and edit error reports are produced

Recommendations

- Review the EditWriter Help documentation for additional details
  - Sections for *Updating a Metafile to a New Major Version*
- Follow the Recommended Import Order in the EditWriter Help
- Verify new edits are included in the new customized metafile
- Verify modified edits in the new customized metafile – most recent version of the edit
- Verify edits with name changes

For Further Information

Registry Plus website
http://www.cdc.gov/cancer/npcr

cancerinformatics@cdc.gov

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.