

Using GenEDITS Plus to Edit Your NCDB Data

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Additional Sources of Information

- <http://www.facs.org/cancer/ncdb/registrars.html>
Cases surveyors check for Standards 5.5 and 5.6 in 2012 and 2013
Information on this Website is directed toward 2012 data submission information
- <http://www.facs.org/cancer/ncdb/softwareproviders.html>
Additional information for programmers and software providers
- <http://www.facs.org/cancer/ncdb/edits.html>
GenEDITS Plus software
NCDB edit downloads
Edit Descriptions
- *Datalinks* secured site Activity Page
“NCDB Data Submissions Reports”
“History and Edits of Patient Level Data Submission to the NCDB”
Check the processing progress of submitted data

I. Introduction

The EDITS package is developed under the auspices of the Centers for Disease Control and Prevention (CDC) for use in a broad range of programs for which data collection is decentralized but needs to be standardized for use. These programs have been in widespread use by facility and central registries for over two decades and can be incorporated for use within registry software. *GenEDITS Plus* is an application that registrars use to edit facility data. Other parts of the package are used to write or select edits or to run edits in batch mode; these are usually applied in central registries.

The NCDB edit sets are created for use specifically in the Calls for Data. All Call for Data information can be found with the NCDB Data Submission information. Navigation from the main Commission on Cancer screen at <http://www.facs.org/cancer/> is illustrated below.

The screenshot shows the American College of Surgeons Cancer Programs website. The main navigation bar includes 'Contact ACS', 'About the ACS', and 'COMPLETE TABLE OF CONTENTS'. A search bar is located on the right. The left sidebar contains a menu with items like 'Contact Us', 'About the CoC', 'Accreditation', 'Cancer Liaison Program', 'Education and Meetings', 'National Cancer Data Base (NCDB)', 'Publications and Resources', 'CoC Home Page', 'ACS Home Page', and 'Patients and Family'. The 'National Cancer Data Base (NCDB)' item is circled in red, and its sub-menu is expanded, with 'Data Submission' highlighted in orange. The main content area features the 'Commission on Cancer' logo and a welcome message. On the right, there are several utility buttons: 'E-MAIL A LINK', 'PRINT', 'Accreditation Best Practices Repository', 'CoC Online Education Portal', 'CoC Datalinks', 'CoC Hospital Locator', 'Cancer Data for the Public', and 'CAnswer Forum'.

From Data Submission, you can find information for registrars and software providers, how to's for editing your data, and instructions for data submission (see screen print below). Remember to read the information for registrars *before* you prepare to submit!

AMERICAN COLLEGE OF SURGEONS
Cancer Programs

Contact ACS | About the ACS | COMPLETE TABLE OF CONTENTS

Commission on Cancer > National Cancer Data Base (NCDB)

Data Submission Information

Registries
Special timing requirements for 2011 submissions, Class of Case and Reference Date requirements, links to Call for Data webinar and other useful resources, specific requirements for Standards 3.6 and 3.7 surveys

Editing Information
Links to current GenEDITS Plus software and current NCDB metafiles and configuration files, instructions document and free GenEDITS Plus webinar, information for interpreting edit results, link to metafiles for use with newly-abstracted cases

NCDB File Transmission Instructions (25K PDF)
How to transmit cases to NCDB on Datalinks

Software Providers
Case selection and timing requirements, layout and required items, slides from the Call for Data webinar for software providers, links to relevant manuals and implementation guidelines

Commission on Cancer®
NCDDB

SEARCH CoC for CONTENT

To pre-edit your data, you will need the *GenEDITS Plus* software, the NCDB metafile and configuration files, and the submission file or files taken from your registry data. The following pages describe how to download, install, and run *GenEDITS Plus* using those files.

II. Updating or Installing *GenEDITS Plus*

GenEDITS Plus is the free-standing program developed by the Centers for Disease Control and Prevention (CDC) that is used to run NCDB's edits. The program *must* be downloaded and installed again every time the registry software upgrades the CS version, because *GenEDITS Plus* uses the CS algorithm for CS edits.

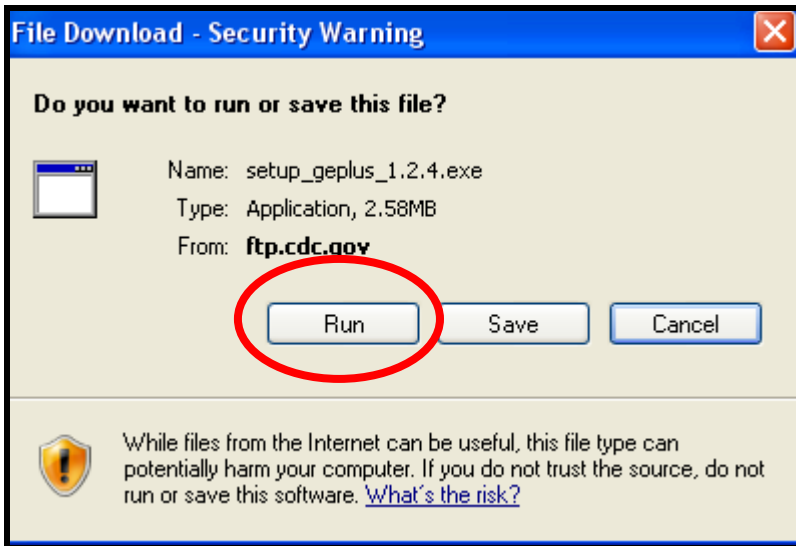
Note: For submissions to NCDB or RQRS made during 2012, if your registry is still using NAACCR layout 12.1 -- which includes CSv02.03 -- continue using the same *GenEDITS Plus* version 1.2.4 which was applicable in 2011. Do NOT download the *GenEDITS Plus* version designed for NAACCR layout version 12.2 until your software has been upgraded. Instead, skip to step III to download the metafile and configuration files for use in 2012 using layout 12.1.

From the submission screen (above) **click** “Editing Information” or go directly to <http://www.facs.org/cancer/ncdb/edits.html>. This will take you to the NCDB Edits Software and Metafile page.

On the NCDB Edits Software and Metafile page, identify the version of your registry software (NAACCR layout version 12.0 or 12.1), then **click** “Download GenEDITS Plus Software” to retrieve the applicable EDITS software from the CDC’s National Program of Cancer Registries site. On the CDC EDITS page (see the screen shot below), **click** on the highlighted file name, “*setup_geplus_1.2.x.exe*”. The version number may be more recent than the version 1.2.4 shown below (it should be 1.2.5 for NAACCR layout version 12.2 cases).

The screenshot shows the CDC Home page for the National Program of Cancer Registries (NPCR). The main content area is titled "NPCR-EDITS Downloads". It includes a navigation menu on the left with categories like "Cancer Data and Statistics Tools", "About the Program", "Informatics", "Software and Tools", "Registry Plus™", "NPCR-EDITS", "Downloads", "Technical Support", "Data Security", "Application Portability Assessment", "Training", "Registry Operations Resources", "Success Stories", "Partners", and "Contact a Local Registry". The main content area has a breadcrumb trail: "Cancer Home > NPCR > Software and Tools > NPCR-EDITS". Below the breadcrumb, there are sections for "Hardware and Software Requirements", "Installation Instructions for GenEDITS Plus 1.2.4", and "On This Page". The "Installation Instructions for GenEDITS Plus 1.2.4" section is circled in red and contains the following text: "GenEDITS Plus 1.2.4 has been updated for use with NAACCR version 12.1 records. With an appropriate Metafile, it also will check data saved in earlier versions of the cancer registry standard record layout. There are no new features in this release beyond the ability to work with NAACCR 12.1 for 2011 cases. Download GenEDITS Plus, [setup_geplus_1.2.4.exe](#) (executable file, 2.58 MB, May 20, 2011) to your Windows desktop or another location. Double-click the program's icon to begin the setup program. If someone else is responsible for maintenance of your computer, you may not be able to install software. In this case, consult the maintainer of your computer for assistance. Instructions for using GenEDITS Plus are in the online help within the program. Click the Help button for a description of the functions and controls. setup_geplus_1.2.4.exe contains the NAACCR_v12_1.rmfi NAACCR Metafile. It also installs the current versions of the Edit Engine (4016) and the Collaborative Stage dynamic link library, version 020302."

When you click the file name, a small window will appear and ask whether you wish to run or save the program (see below); **click** *Run*. (Alternatively, you can save the installation file to your desktop and install from there by double-clicking on the icon).



The next step is to install *GenEDITS Plus*. When a message comes up, **click Run**. Continue **clicking** on “Next” for each step and accept all defaults. The program will be installed in the default folder, which will make it easier for you to locate later. Be sure “Create a desktop icon” is checked (in the second to final screen below). The final screen will summarize the settings; click “Install”. You can have the program open *GenEDITS Plus* now to view it or wait until you are ready to run some edits.

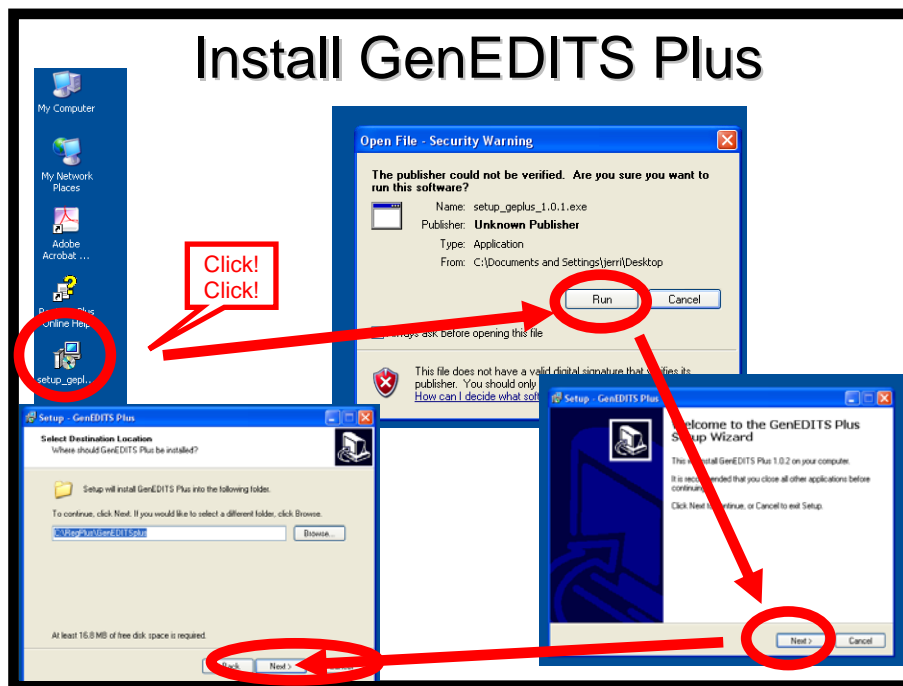
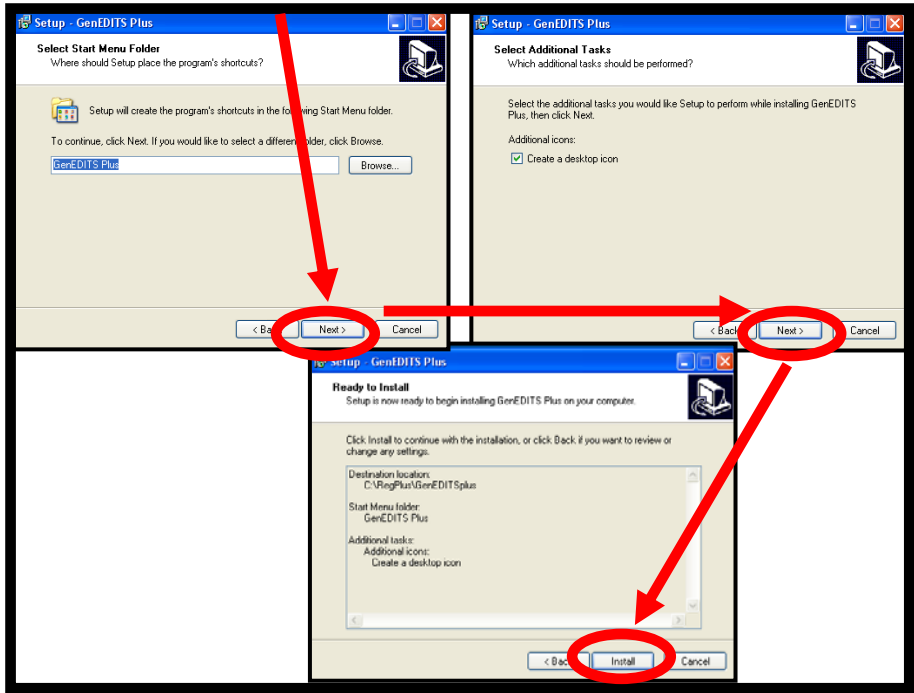


Diagram continues on next page ...



GenEDITS Plus is now installed. The next step is to download and extract (or “unzip”) the metafile and configuration files used for NCDB and RQRS submissions.

III. Downloading the NCDB Metafile and Configuration Files

The NCDB Metafile contains all of the information *GenEDITS Plus* needs to run the edits used by NCDB, including separate edit sets for the NCDB submission, RQRS submission, and Clinical Checks. Three configuration files are used to select the appropriate edit set.

During 2012, an upgrade affecting primarily CS items and codes requires that different metafiles, configuration files, and versions of *GenEDITS Plus* be made available for use before or after the upgrade is installed in the facility's registry. From the <http://www.facs.org/cancer/ncdb/edits.html> page, select the applicable section based on whether your software is currently using NAACCR layout version 12.1 (which includes CSv02.03) or 12.2 (which includes CSv02.04). In these instructions, the terms "121" and "122" apply depending on which version is applicable for the registry software.

The metafile and three configuration files are posted in two zipped (compressed) files at <http://www.facs.org/cancer/ncdb/edits.html>. One zipped file has the metafile in it, and the other has the configuration files you will use with *GenEDITS Plus*. They need to be extracted or unzipped into two different folders in order for *GenEDITS Plus* to find them easily. (This example is based on v121; after upgrade, you will select v122).

- [Metafile download](#)

Unzip the contents of this zipped file to the C:/RegPlus/GenEDITSPlus/metafiles folder established when GenEDITS Plus was installed.

- [Configuration files download](#)

Unzip the contents of this zipped file to the C:/RegPlus/GenEDITSPlus/config folder that was established when GenEDITS Plus was installed.

- Select configuration file "NCDB_22_v121.ini" to run the NCDB Call for Data submission edits (there will be a date appended to the file name)
- Select configuration file "ClinChk_22_v121.ini" to run the Clinical Checks (there will be a date appended to the file name)
- Select configuration file "RQRS_22_v121.ini" to run the RQRS submission edits (there will be a date appended to the file name)
- Select configuration file "Hosp_All_B_121.ini" to run the edit set in the NAACCR metafile designed for newly-diagnosed cases if this is not available in your software; do not run this on your NCDB submission file.

You can download the files to your desktop and extract them from there, or you can run the extraction program directly from the Internet. To extract from a saved file, double click on that file's name or icon. To extract directly from the Web, left-click on the file name and select "Run". Either action will open *WinZIP* or another extraction program installed on your computer. Because the appearance of these programs can vary, they are not shown here. Be careful to direct the zipped files to the specific folders shown below.

First, extract the NCDB_22_v121 (or 122) metafile (it also will have a date appended to the file name and the suffix “rmf”) from the “**NCDB Metafile**” file indicated above by the bright green arrow above to the *Metafiles* subfolder, which is a subfolder of the *GenEDITS Plus* folder. Ordinarily, that will be on the C drive as follows:

Drive: C
Folder: *RegPlus*
Subfolder: *GenEDITSplus*
Subfolder: *metafiles*

Second, extract all four files in the “NCDB Configs” file [NCDB_22_v121.ini (or 122), RQRS_22_v121.ini (or 122), ClinChk_22_v121.ini (or 122), “Hosp_All_B.ini” (or 122 instead of the B)] as indicated above by the red arrow above to the *Config* subfolder, which is a different subfolder of the *GenEDITS Plus* folder. See Section X for more information about using the “Hosp_All_B_121.ini” (or 122 instead of B_121)] configuration file; it is not to be used for submission to NCDB or RQRS.

Drive: C
Folder: *RegPlus*
Subfolder: *GenEDITSplus*
Subfolder: *config*

In some instances, *GenEDITS Plus* may have been installed in a drive other than C. In that case, the folder and subfolder names still will be as shown above if you accepted the default settings when you installed *GenEDITS Plus*.

Once you have downloaded and unzipped both files, close all windows. You may exit the Internet.

NOTE: A few facilities have *WinZIP* configured in such a way that it will automatically direct the extracted files to a subfolder of the intended one; the subfolder will have the same name as the zipped file. If that should happen to you, just copy the files from the subfolders that *WinZIP* created and paste them into the ones identified above.

IV. Creating Your Submission File

Your submission file consists of records drawn from your registry data in a particular manner. Every registry software system is different, so you will need to consult your software provider for specific instructions. When you create the submission file, be careful to note its name and the drive and folder where it is located. Most software systems will automatically select the appropriate cases for you; NCDB recommends using that capability.

Class of Case

- Analytic cases (*Class of Case* 00, 10, 11, 12, 13, 14, 20, 21 and 22) are required
- Any other *Class of Case* will be rejected

Reference Date

- All included cases diagnosed on or after your *Reference Date* must be submitted
- Cases diagnosed prior to your *Reference Date* will be rejected

Required Diagnosis Dates

- All analytic cases diagnosed in 2010.
- Cases diagnosed from 1985 (or your Reference Date if it is later) through 2009 are submitted only if they have been changed by the registrar since just before the last applicable NCDB Call for Data. Full details are available at <http://www.facs.org/cancer/ncdb/registrars.html>.
- Cases diagnosed before your Reference Date outside the range 1985-2010 will be rejected. Cases must have a Date of First Contact between 1985 and 2012, inclusive.

Types of Cancer

- The types of cancer required to be accessioned and followed are listed on page 3 of FORDS.
- Other cancers collected by agreement at your facility should be identified as a non-analytic Class of Case, and will be rejected if they are submitted

You may combine submission years in a single data file or separate them; however, note that there is a limit of 5000 cases per submission file.

Resubmissions

Resubmissions to correct edit problems in the initial submission are made the same way as initial submissions, and must be made by April 1, 2012. The NCDB submission window will close at midnight Central time the night of April 1.

Acceptance of NCDB resubmissions to correct survey deficiencies or to prepare new programs for initial surveys will be by appointment only. For deficiency resolution, contact Vicki Chiappetta at vchiappetta@facs.org. New programs should contact Karen Stachon at kstachon@facs.org.

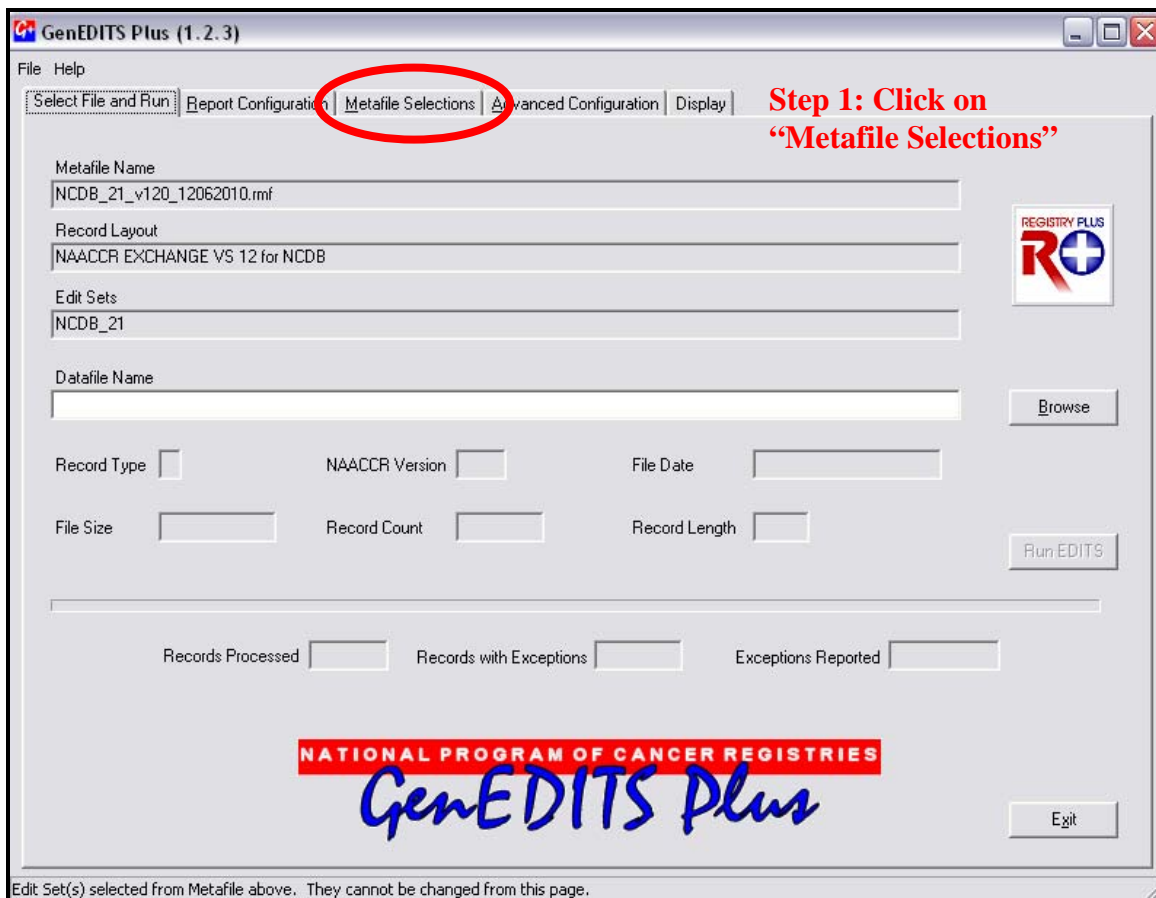
V. Running *GenEDITS Plus*



To start *GenEDITS Plus*, **double-click** on the *GenEDITS* icon on your desktop.

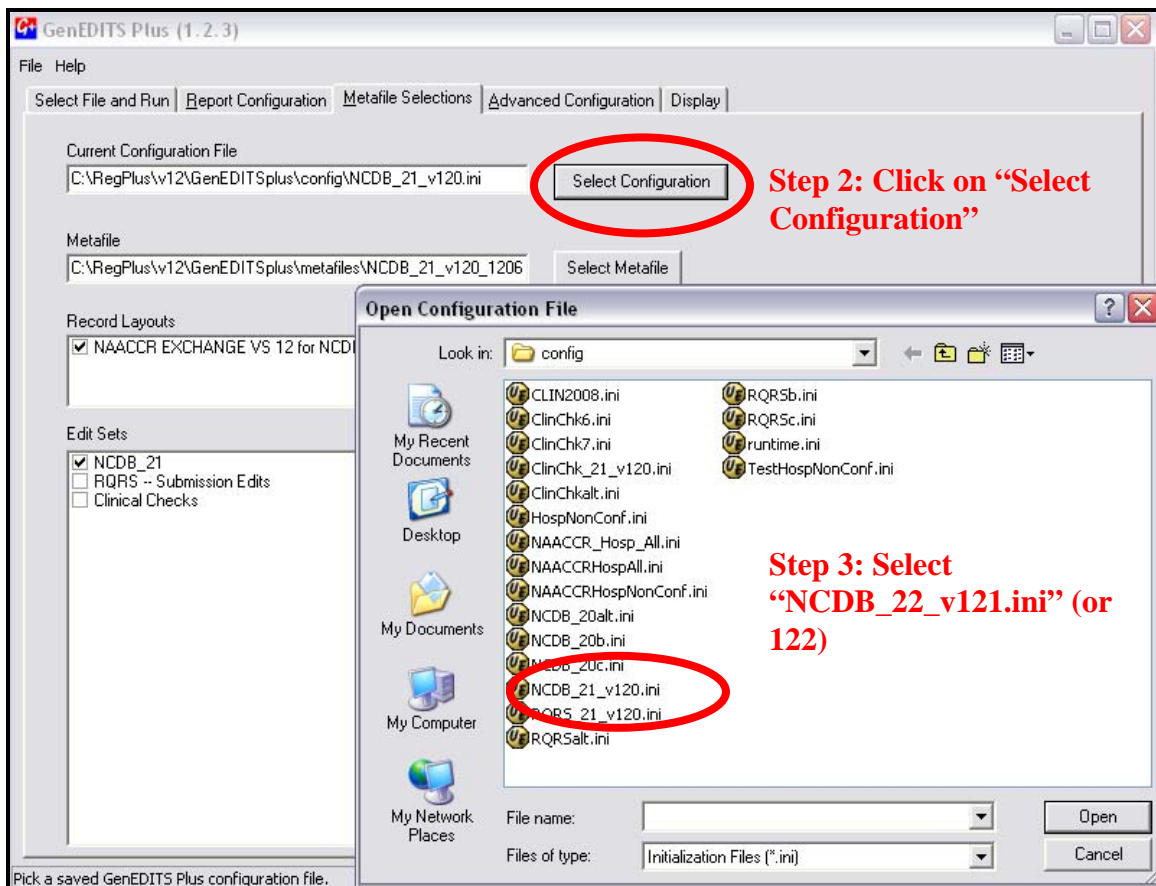
The screen will look something like the following when you open *GenEDITS Plus*. Note that *it is not yet set up to run NCDB edits*. (For version 12.1, the *GenEDITS Plus* version number at the top will read 1.2.4; for version 12.2 it will read 1.2.5).

Note the five tabs across the top. Click on the **Metafile Selections** tab *first* to select the correct configuration file which sets up the remaining specifications.



On the *Metafile Selections* screen (shown below), **click** on the **Select Configuration** button, which will open a browse window. Select the **NCDB_22_v121.ini** (or 122) file. Either double-click on it, or highlight it and click "Open".

NOTE: the little symbols that precede the names below are likely to be different on your computer. In addition, your list of available configuration files may be different than these.

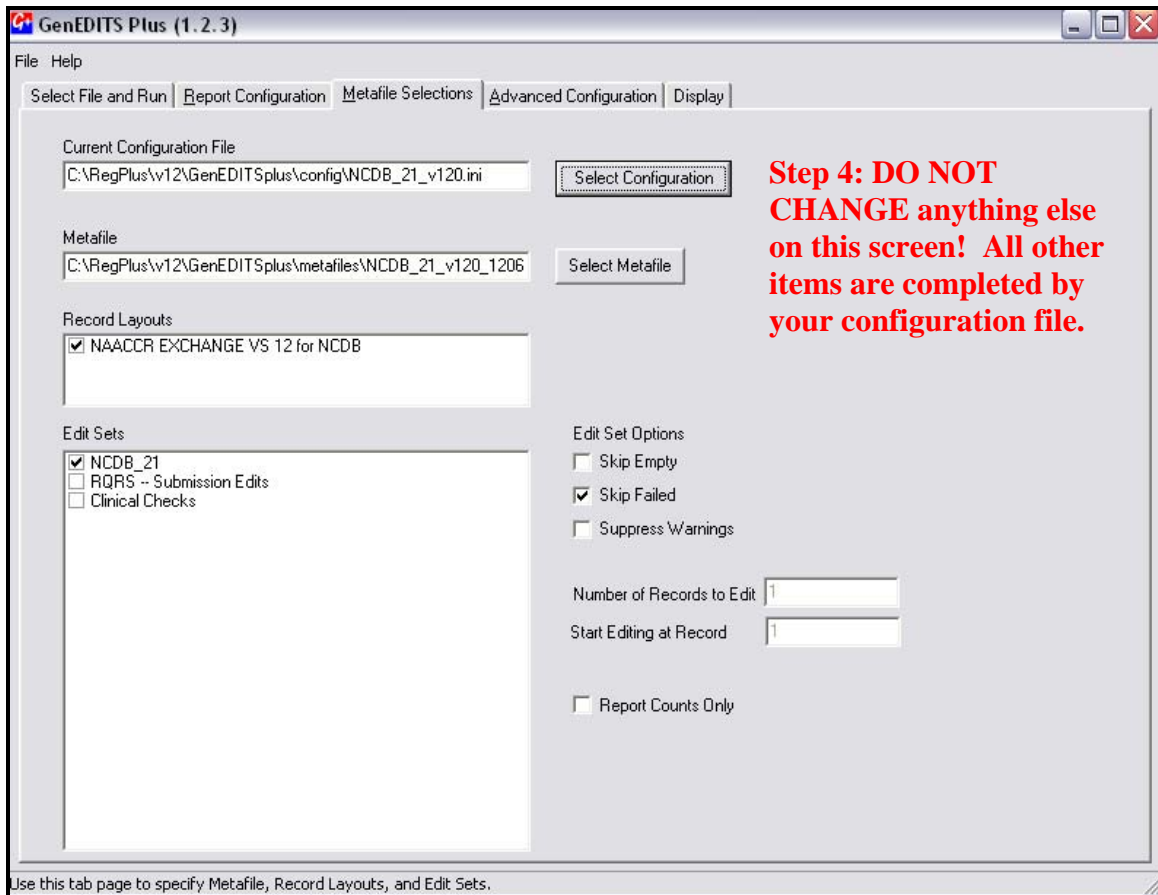


If you are running **Clinical Checks**, use the configuration file *ClinChk_22_v121.ini* (or 122). It includes separate edits for AJCC 6th and 7th edition staging that are run based on date of diagnosis.

If you are pre-editing cases for **RQRS**, use the configuration file *RQRS_22_v121.ini* (or 122).

All three configuration files will select the same metafile, record layout, and options, but they will pick different edit sets to be run on your data.

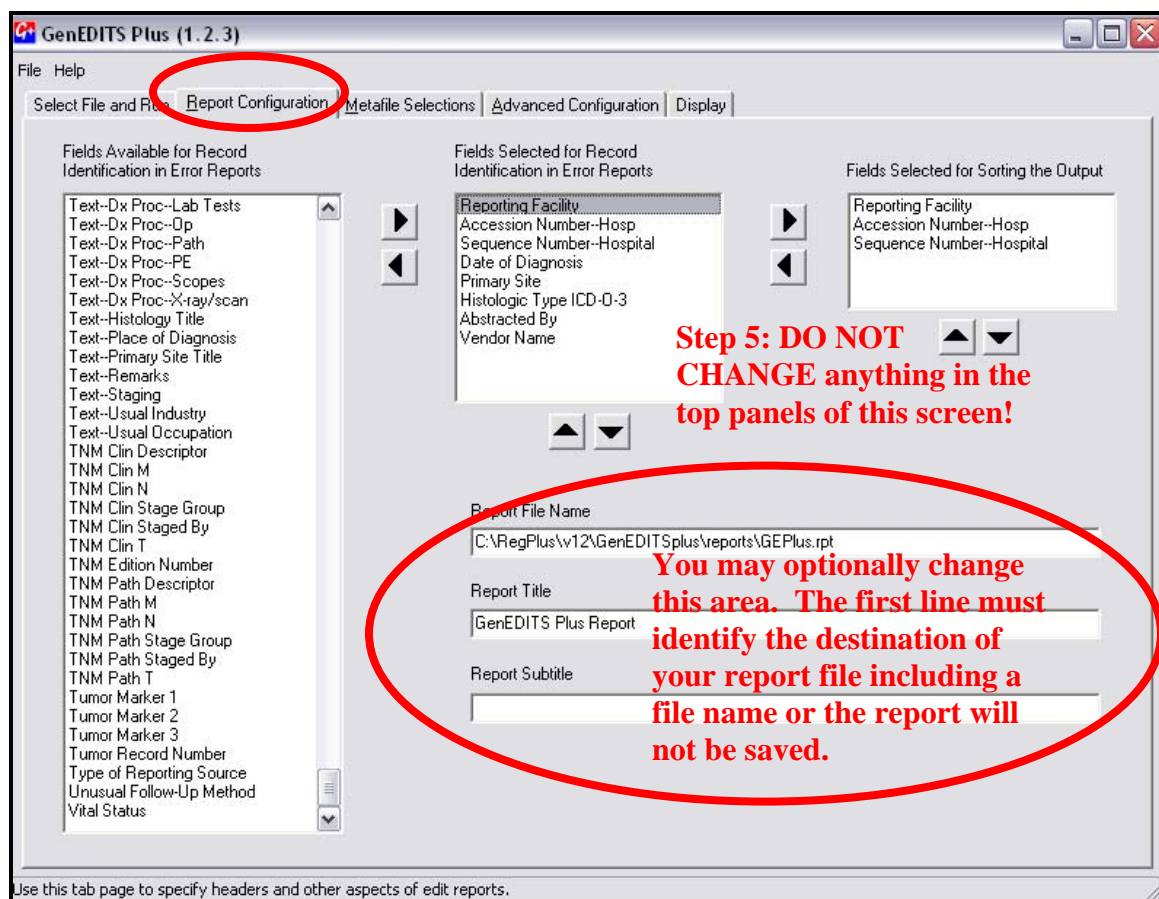
The configuration file will fill in all of the specifications you need to edit your NCDB submission. The screen will identify the metafile as NCDB_22_v121.rmf (or 122, with the version date appended to the file name), the record layout as NAACCR EXCHANGE VS 12 for NCDB, and the edit set as NCDB_22_v121 (or 122). It also specifies that the edits should “Skip Failed”. That means that if one of your cases fails a single item edit (for example, for Primary Site), then no inter-item edits that use that item are run. *Do not change any of these specifications manually.*



This completes the *GenEDITS Plus* setup necessary to select the correct specifications to edit your data.

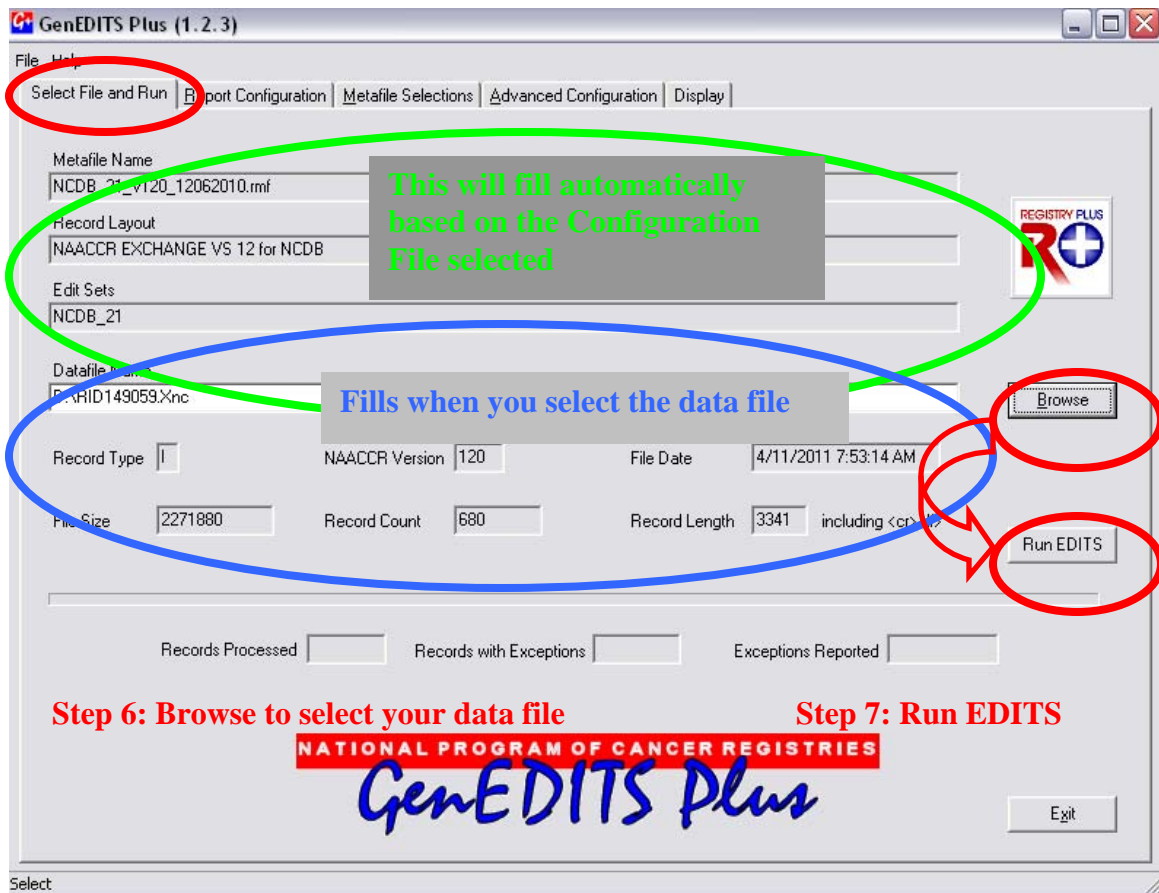
Report Configuration. It is not necessary to change anything on the **Report Configuration** tab in order to pre-edit your data, but you may want to do so. By default, your report will be written to a subfolder within your GenEDITS folder named **RegPlus\GenEDITSplus\reports\GEPlus.rpt** (generally on the C drive). If you would prefer to have it saved somewhere else, or if you want to alter the file name of the report output, you can make the change on the Report Configuration screen (see below). For example, if you are editing more than one data file, you may want to store the edit reports for the two files under different names. It is not necessary to make any changes on this screen if you accept the default folder and file name for your report.

In addition, the Report Configuration screen will indicate NCDB's sort sequence of your cases by Reporting Facility (your FIN), Accession Number and Sequence Number and specify the data elements available for case identification in the edit report. *NCDB does not recommend changing these selections.* The list of items in the left-hand panel shows all NAACCR-defined items and includes the confidential identification items that NCDB does not collect (for example, patient name and Social Security Number). You will not be able to use those items to identify or sort your edit output for your NCDB submission because they will be blank in the data.



Now you are ready to identify where your data to be edited are stored.

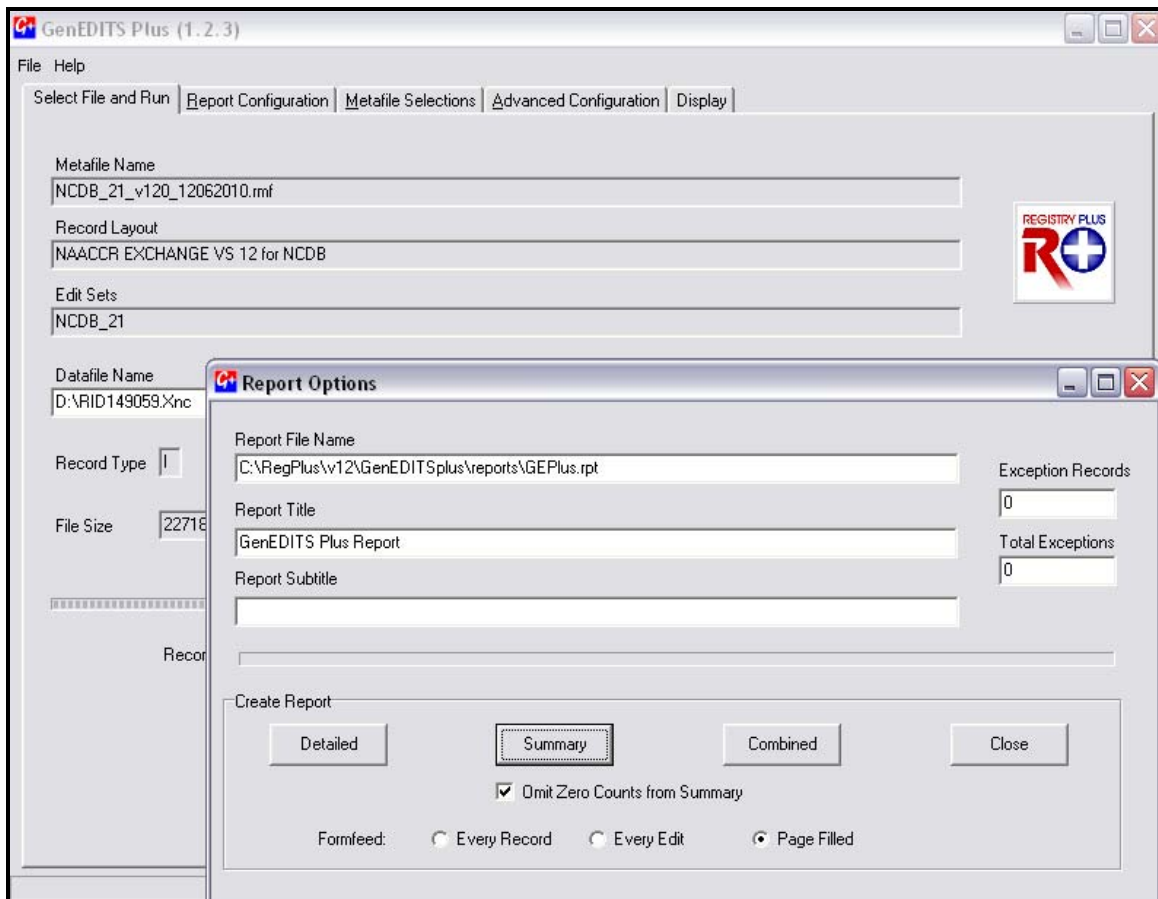
Return to the **Select File and Run** tab (pictured below). You will see the metafile name, NAACCR record layout, and edit sets already have been filled in. Use the **Browse** button to locate the data submission file you saved from your registry data. When you select your data file, the boxes below will be filled with the record type (it must be the letter I), the NAACCR version (it must be 121 or 122), the file date (check that it is the date and time you created your submission file), the file size, the number of records (it should correspond with what you believe the number of cases should be), and the record length including the carriage return/line feed at the end of the line (it should be approximately 3340). Use this information to confirm that you have selected the right file.



Once you have confirmed that you have selected the right file, **click** on the **Run EDITS** button. An indicator line will show progress as *GenEDITS Plus* processes your file, and the three boxes beneath will count the number of records processed, the number of records with edit errors, and the number of edit errors found. In the unlikely situation that the number of errors is greater than 250,000 processing will discontinue but the error report will be generated so you can see what the problems were (You will want to see only the “Summary”, not the “Detailed” report, on the screen below if that occurs).

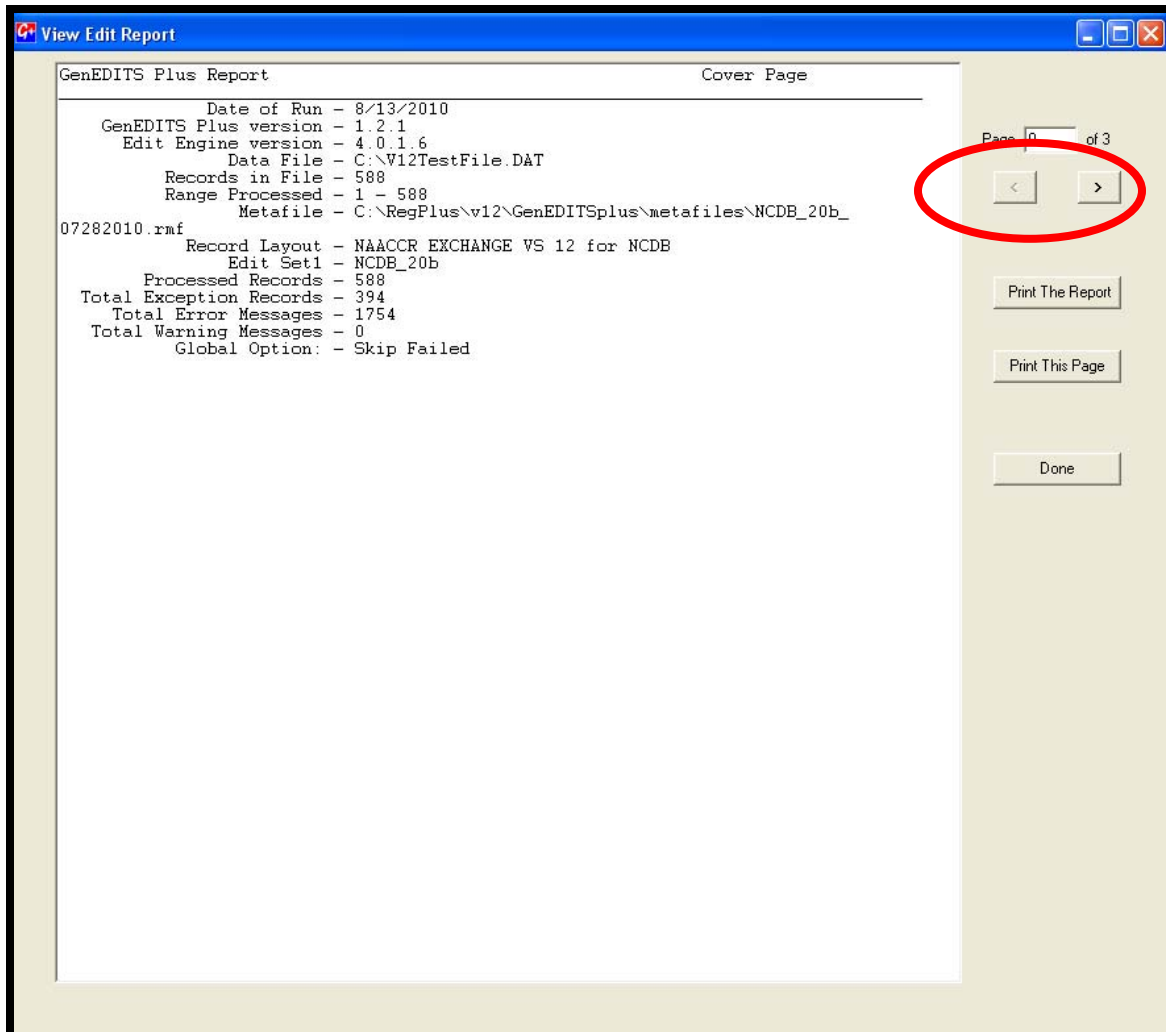
When *GenEDITS Plus* has evaluated all cases, a small window will offer a choice of three types of error reports. The **Detailed Report** describes each edit failed for each case report. The **Summary Report** provides only the number of cases failed for each edit. The **Combined Report** provides both. By default, the Summary Report omits edits with no edit failures. The NCDB_22_v121 edit set has over 500 edits in it, so this option makes the Summary Report easier to read and saves paper if you print it. You can view the results from every edit by unchecking the “Omit Zero Counts” box. For the most efficient page output, select “Page Filled”. Examples of the Summary and Detailed Reports follow next.

You can see each version of output in turn, but be aware that the last one picked is one that will be stored for future reference. Because this file has no edit errors (Total Exceptions = 0), the Summary report version will be sufficient. NCDB recommends selecting the *Combined* report if any edit errors are present.



Reports. The Summary Report **Cover Page** has a summary of the data, metafile name, and edit sets run, along with the date of the edit run, the number of cases in the data file, and a count of edit errors and warnings. There is also information about the version of the *GenEDITS Plus* program version and the options selected. (A file with a substantial number of edit errors is used in this section to illustrate reading of edit error messages).

Page through the report using the arrow buttons in the right-hand panel. Your keyboard's Page Up and Page Down buttons will *not* work in this application.



If you elected to omit zero counts, the **Report Summary by Edit** will list only the edits with edit problems. The NCDB_22_v121 (or 122) and RQRS edit sets will only yield **Errors**, whereas the Clinical Checks edit set only gives **Warnings**. The final column, **Skips**, counts inter-item edits that were not run because a single-item edit for a constituent data item failed. In the example below, the edit “Morph Coding Sys--Current (NCDB)” toward the bottom of the screen has 43 edit errors. Those 43 cases skipped the edit “Morph Coding Sys--Current, Morph Coding Sys--Orig (COC)” since the latter edit could generate edit errors simply because of problems with coding of the *Morphology Coding System --Current* data item.

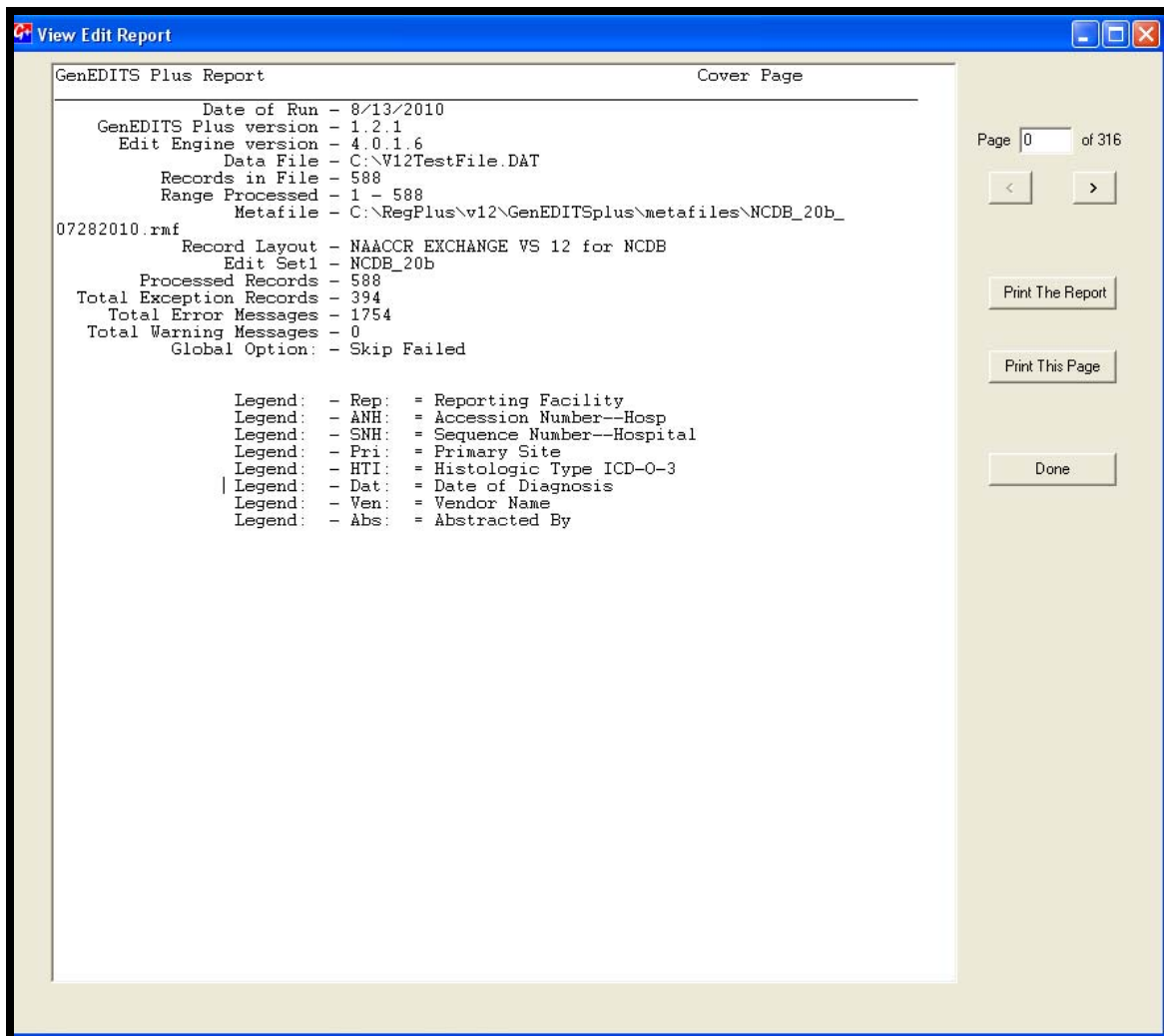
The screenshot shows a window titled "View Edit Report" displaying a "GenEDITS Plus Report Summary by Edit" for "page 1". The report lists various edit sets with columns for "Edit", "Errors", "Warnings", and "Skips". A red box highlights the following row:

Edit	Errors	Warnings	Skips
Morph Coding Sys--Current (NCDB)	43	0	0

Other visible rows include "Morph Coding Sys--Orig (COC)" with 0 errors and 43 skips, and "Morph Coding Sys--Current, Morph Coding Sys--Orig (COC)" with 0 errors, 0 warnings, and 0 skips. The interface includes navigation buttons like "Page 1 of 3", "Print The Report", "Print This Page", and "Done".

The first page of the **Detailed Report** includes the same information as the **Summary Report by Edit** and also includes a legend that describes the abbreviations used for the items that identify each record with an edit problem. Cases are identified by the following items:

- Reporting Facility (FIN)
- Accession Number
- Sequence Number
- Date of Diagnosis
- Primary Site
- ICD-O-3 Histology
- Abstracted By
- Vendor Name



The **Detailed Report** includes the case identifying information listed above, the edit name (in the red box in the first edit shown below), the error or warning message (in the green box in the second edit shown below), and the contents of every data item used in the edit (blue box in the third edit shown below).

The **edit name** is used to identify which edit is involved if an edit error or warning occurs. The name of the first edit below is “Multiplicity Counter, Date of DX (SEER IF156)”. The identifier in parentheses at the end of the edit name simply refers to the original source of the edit; most edits are used by multiple standard setters.

The **message** is a short description of the nature of the problem. In the second example, the error message is “If year of Date of Diagnosis > 2002, then Readm Same Hosp 30 Days cannot be blank”. Following the edit or warning message is a **list of the items** used by the edit and their values in the case record. The blanks that follow can be used with a printed edit report to mark corrections to be made to your registry.

The first two edits illustrate how the same edits can be applied to cases diagnosed at different times; the dates they became required are built into the edits. For example, the *Readmission Within 30 Days to the Same Hospital* data item was implemented by **FORDS** in 2003, and it may not be blank for cases diagnosed in 2003 or later (The edit message calls it “> 2002”, which reflects the way the edit logic is written). The third edit identifies illogical data entry. Note that the edit does not know whether the date of diagnosis or the readmission item is incorrect, but one of those two items requires correction. In this case, the *Date of Last Contact* is seven years prior to the *Date of Most Definitive Surgery*. All of these examples illustrate how the edit report shows dates, to make the report readable whether the registrar entered the dates in the traditional manner or in the interoperable form implemented for date transmission in 2010.

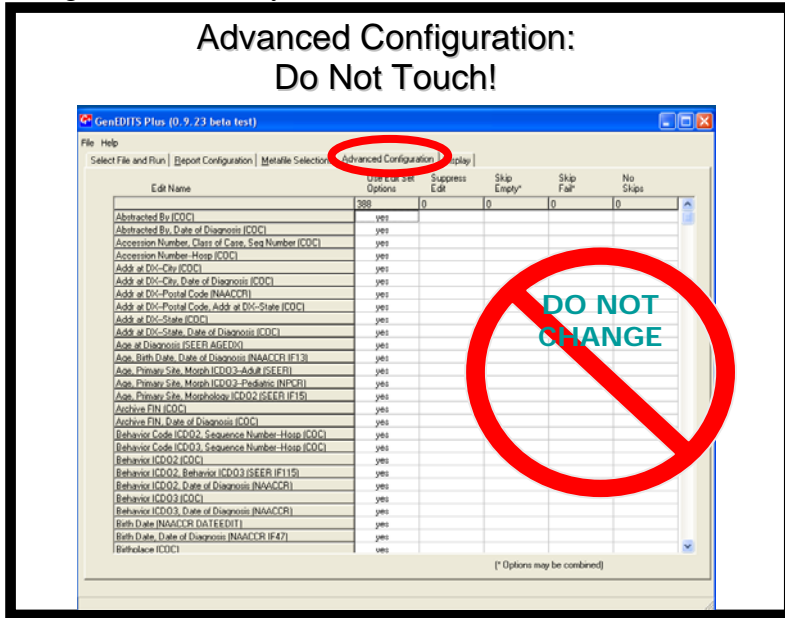
```

Edit: Multiplicity Counter, Date of DX (SEER IF156)
E: If year of Date of Diagnosis > 2006, then Multiplicity Counter cannot be
blank
      Date of Diagnosis (530) [Y:2010 M:07 D:19]  _ _ _ _ / _ _ / _ _
      Multiplicity Counter (589) [<BLANK>]
-----
Edit: Readm Same Hosp 30 Days, Date of Diagnosis (COC)
E: If year of Date of Diagnosis > 2002, then Readm Same Hosp 30 Days cannot be
blank
      Readm Same Hosp 30 Days (1619) [<BLANK>]
      Date of Diagnosis (530) [Y:2010 M:07 D:19]  _ _ _ _ / _ _ / _ _
-----
Edit: RX Date--Most Defini Surg, Date Last Contact (COC)
E: RX Date--Most Defini Surg (Y:2010 M:07 D:19) must be < or = Date of Last
Contact (Y:2003 M:09 D:29)
      RX Date--Most Defini Surg (1466) [Y:2010 M:07 D:19]  _ _ _ _ / _ _ / _ _
      Date of Last Contact (2116) [Y:2003 M:09 D:29]  _ _ _ _ / _ _ / _ _
  
```

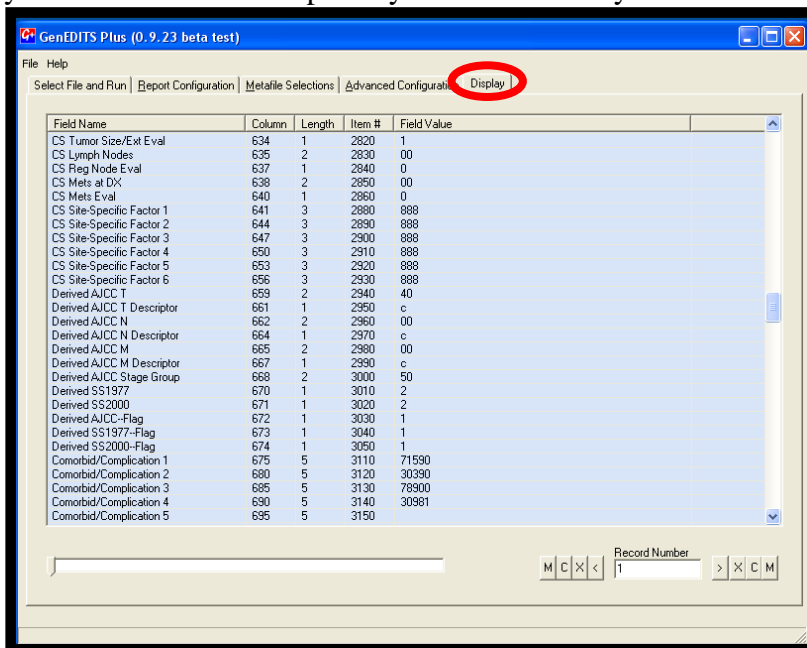
After all edit problems have been corrected in the registry database, a new submission file should be extracted from the registry and rechecked for edit problems. Once all problems have been satisfactorily addressed, the data are ready to be submitted to NCDB.

Your edit report (Summary, Detailed, or Combined, as you selected) can be opened with any word processor in the location specified under the “Report Configuration” tab. **First**, open the word processor (such as Microsoft *Word*), **then** use *File ... Select* to locate the report file. You may need to select “All files” for the file type to see the report listed. (If you attempt to open an edit report by double-clicking its name, your computer may think you are using an Adobe program that has a special meaning for the “rpt” extension, and might report an Adobe error. For edit reports, it simply stands for “report”).

There are two other tabs in *GenEDITS Plus*. Neither is needed to check your data. The first, **Advanced Configuration**, allows a fair amount of flexibility for skipping edits. However, making any changes to these specifications may have the effect of failing to alert registrars to edits that could fail when the data are submitted to NCDB. So, any changes are made at your own risk!



The final tab, **Display**, will let you see the contents of every item for every case in the submission file. The arrow pointers on the lower right move the display through cases individually, by tens (X), by hundreds (C), and by thousands (M). Use the vertical scroll bar to see all items and the horizontal bar to move quickly through the cases. One use you can make of this capability is to check that you have selected the intended cases.



VI. NCDB_21_v120 (or 121) Call for Data Submission Edit Set

This edit set is the one that affects program standing according to 2012 Standard 5.6: “Annually, cases submitted to the National Cancer Data Base that were diagnosed in 2003 or more recently meet the established quality criteria and resubmission deadline specified in the annual Call for Data.” All cases diagnosed on or after January 1, 2003, are subject to Standard 5.6, regardless of the reasons they are submitted. Beginning in 2011, there are no longer any “off-cycle” submissions.

NCDB’s data quality submission edits check single-item validity (Is the value a defined code for the item?) and inter-item logic (Can this combination happen according to the coding rules?) for all data items collected by NCDB.

NCDB’s data quality submission edits were initially drawn from the hospital-related edits in the standard NAACCR 12.1 (or 12.2) metafile:

- ◆ Call-specific edits written by NCDB
 - *Class of Case* 00, 10, 11, 12, 13, 14, 20, 21, 22 only
 - *Diagnosis Years* 1985–2010 only; years of first contact 1985–2012 only
 - ICD-O-2 and ICD-O-3 versions for site and morphology (none earlier), based on date of diagnosis
 - An edit for over-ride validity is limited to over-rides published in FORDS
 - NPI numbers are present for the reporting facility
 - Because physician NPI numbers are located differently in the NCDB submission, an NCDB version of the standard edit is used to check for valid NPI numbers; they are otherwise the same as the standard edits
 - In the 121 edits, the AJCC T, N, M and Stage Group edits were modified by NCDB such that histology changes identified by AJCC late in 2011 are permitted (but not required) to be staged.
- ◆ Edits that check the layout (these items are not in facility registries but are added by registry software for submission)
 - NAACCR Layout version ‘121’ or ‘122’
 - Incidence record (only coded, non-confidential items may be submitted; these are denoted record ‘I’)

Edits for data items whose requirements have changed over the years take date of diagnosis into account, along with any conversion requirements for the item over time. *All resubmissions made at this time must follow the current specifications, regardless of when the case was diagnosed or initially submitted.*

The NCDB validation system checks the file in ways the edits can not. It checks to see that the file contains registry data and that the person who submits the data is a registrar or co-registrar for the specific facility or a software provider approved by that person. If the drop-down FIN selection at the time of submission does not match a FIN for the program whose data are being submitted, the submission will be blocked as if it were a “bad FIN”.

VII. Getting Help

NCDB recorded a free webinar demonstrating downloading, installing and using GenEDITS Plus. The link is at <http://www.facs.org/cancer/ncdb/edits.html>.

Downloading and installing GenEDITS Plus. If you need help downloading or installing GenEDITS Plus, contact ncdb@facs.org.

IS assistance. Although *GenEDITS Plus* is designed for ease of installation and use by registrars, sometimes hospital computer security is set up in such a manner that only your software administrator is permitted to install new software. If your facility is one of those, make sure your IS person follows the instructions in Section II and III and gives you “write permission” in the folders created when *GenEDITS Plus* is installed in order to generate the edit reports (If you install it yourself, you will automatically get write permission).

Running GenEDITS Plus. If you need help running *GenEDITS Plus* after it has been installed, contact ncdb@facs.org.

Interpreting the edits. Most edit problems can be resolved by comparing the codes in your data with **FORDS** or other applicable manual. A pdf file posted at the applicable section linked from <http://www.facs.org/cancer/ncdb/edits.html> describes every edit in the NCDB_22_v121 (or 122) metafile. If those resources do not resolve your questions, contact ncdb@facs.org.

If your edit report tells you that you have errors in the patients’ last names, you ran the prototype state edit set that automatically downloads with *GenEDITS Plus* rather than NCDB’s edits. NCDB does not collect patient names and does not edit for them. Use the instructions in section V above to select the NCDB submission edit set.

Running edits in your registry software. NCDB recommends use of the most current “hospital” edits in the edit set used by your registry software to stamp cases as “CoC complete” as a first step in data preparation, but strongly advises programs to run the final checks using the external *GenEDITS Plus* software using the instructions in this document in order to be certain you are checking the same things NCDB will edit. See instructions in the next section for running “Vs12.1 COC Required - All” (or 122) in *GenEDITS Plus* if the edit set is not included in your software.

If you have questions about your software system’s edits or how to extract a file to send to NCDB, please contact your software provider. For all other questions, please contact NCDB directly.

VIII. Preparing for the Future

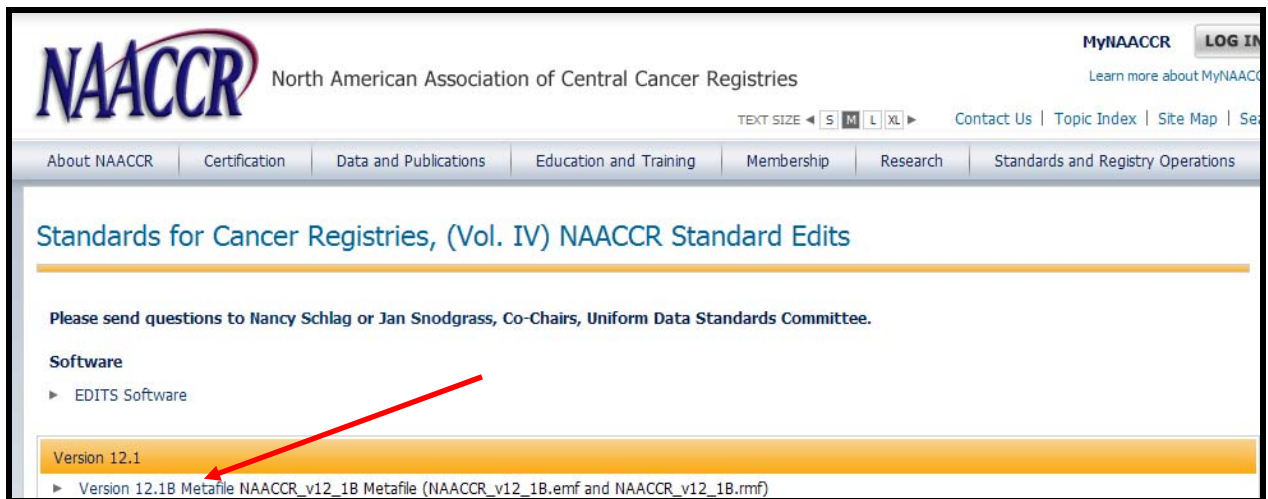
Registrars should not have to spend large amounts of time cleaning data prior to submission. Make a practice of reviewing your data regularly (as cases are abstracted, daily, or weekly) using the standard NAACCR edit sets designed for hospital use.

In order to provide a date for the *Date Case Completed -- CoC* field, cases diagnosed in 2010 or later are required to pass the existing “Vs12.1 COC Required - All” (or 12.2) edit set in addition to completing the items specified for the particular *Class of Case* (See **FORDS: Revised for 2011** definitions for these data fields, and “Appendix D”). The same edits can be used for cases diagnosed before that date in order to assure the case is clean at the time of abstracting or for thorough cleaning at any time.

The edit set required should be in your registry software since it is necessary for routine abstracting. If it is not, or if you want to run it in *GenEDITS Plus* outside of your registry software, you can download the metafile containing the necessary edit set from the NAACCR Edits web site at

<http://www.naaccr.org/StandardsandRegistryOperations/VolumeIV.aspx> .

For version 121, select “Version 12.1” and click on “Version 12.1B Metafile”. That links to a zipped file containing two files. Unzip (extract) the file ending in “rmf” to the same Metafiles subfolder shown in Section III. A configuration file (“Hosp_All_B_121.ini”) that will select the correct edit set is included with the configuration files in Section III.



For version 122, you will select “Version 12.2” (not available yet when this illustration was copied), and the link to “Version 12.2 Metafile”. Unzip it as described above. There will be a configuration file for use with it in the 122 configuration file downloads named “Hosp_All_122.ini”.

NOTE: This edit set must be run against the NAACCR full abstract (“A”) layout, not the limited incident (“I”) layout used for submission to NCDB and RQRS.

IX. Clinical Checks Edit Set

Clinical Checks is part of CoC's Quality Initiatives. Details about the Quality Initiatives can be found at <http://www.facs.org/cancer/qualitymeasures.html>. Use the ClinChk_22_v121.ini (or 122) configuration file to run Clinical Checks.

Although Clinical Checks runs on *GenEDITS Plus*, its purpose is very different from that of data quality edits. It is intended as a tool for registrars to learn what staging, prognostic, and treatment information to look for in cases having certain diagnostic conditions. When you submit your cases to NCDB, the results of the Clinical Checks for cases diagnosed in 2010 are posted in DataLinks with the submission details (see below). It is not posted in the Survey Application Record because its use, as posted, is specifically for the registrar to use in preparing for future CP³Rs. (Hint: Did you know that if you click on a gray column header on this Web site, you will see a description of what is in the column?).

Where Do I See the Clinical Checks Report on Submitted Cases?

Commission on Cancer
A MULTIDISCIPLINARY PROGRAM OF THE AMERICAN COLLEGE OF SURGEONS
National Cancer Data Base (NCDB)

NCDB Submission History Detail

Hint: Click on column label to read description

Facility ID:
Submission Date:
Submission File Name:
Receipt ID:

Diagnosis Year	Records Submitted	Quality Accepted Records	Records with Data Quality Problems	Records Rejected	NCDB Edits Report	Site Stage Receipt	Clinical Report
2009	3313	3313	0	0	View Edit Report	View Report	View Report

[Return to NCDB Submission History](#)
[Return to CoC DataLinks Activity Menu](#)

The scope of Clinical Checks is somewhat broader than CP³R, but the same types of cases and treatment issues are addressed. There is no accreditation requirement to update your cases, but NCDB encourages you to check whether you might have missed any information identified. Updated cases in your registry will automatically be selected for submission in the next Call for Data. That way both the hospital registry and NCDB will remain current, complete and accurate.

Appendix A

NCDB_22_v121 Edits and Scores

The following pages show which edits are included in each of the edit sets selected by the three configuration files. In addition, they show the scores assigned to the NCDB_22_v121 edits.

NCDB assigns scores to each edit that is failed by a submitted case. The scores are used to direct processing and to help select the better record when more than one record applies to the same case. Multiple records are submitted when a facility updates or corrects a previously-reported item (a submission duplicate) or when a patient receives care from more than one accredited program (a clinical duplicate).

Edit Scores do not apply to Clinical Checks.

NCDB_22_v121 Edit Sets and Scores

Scores for NCDB submissions

- 200 = failure will cause the record to be rejected:
must resubmit by April 1, 2012
- 1 = failure must be corrected by April 1, 2012, for
cases diagnosed in 2003 or more recently
- 0 = advisory for 2012 submissions, correction encouraged
- blank = edit not in NCDB Submission Edits

Scores for RQRS submissions

- 200 = failure will cause record to be rejected
- 1 = advisory that this should be corrected
before NCDB submission of the case
- blank = edit not in RQRS Submission Edits

Clinical Checks

- All checks are advisory that information is needed to
fully evaluate accountability or quality improvement
measures - scores do not apply

These edit sets and scores apply to cases submitted during
2012 in NAACCR layout v12.1 (CSv02.03)

- NCDB Call for Data submissions
- NCDB submissions for Deficiency Resolution
- RQRS submissions

See the next sheet for edit sets and scores.

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
2	Abstracted By (COC)	0	X		
3	Abstracted By, Date of Diagnosis (COC)	0	X		
4	Accession Number, Class of Case, Seq Number (COC)	1	X	X	
5	Accession Number--Hosp (COC)	200	X	X	
6	Addr at DX--City (COC)	1	X		
7	Addr at DX--City, Date of Diagnosis (COC)	1	X		
8	Addr at DX--Postal Code (NAACCR)	200	X	X	
9	Addr at DX--Postal Code, Addr at DX--State (COC)	200	X		
10	Addr at DX--State (COC)	1	X		
11	Addr at DX--State, Date of Diagnosis (COC)	1	X		
12	Age at Diagnosis (SEER AGEDX)	1	X	X	
13	Age, Birth Date, Date of Diagnosis (NAACCR IF13)	1	X	X	
14	Age, Primary Site, Morph ICDO3--Adult (SEER)	1	X	X	
15	Age, Primary Site, Morph ICDO3--Pediatric (NPCR)	1	X		
16	Age, Primary Site, Morphology ICDO2 (SEER IF15)	1	X		
17	Ambig Term DX, Date of Conclusive DX (SEER IF162)	1	X		
18	Ambiguous Terminology DX (SEER)	1	X		
19	Ambiguous Terminology DX, Date of DX (SEER IF157)	1	X		
20	Archive FIN (COC)	200	X	X	
21	Archive FIN, Date of Diagnosis (COC)	200	X	X	
22	Behavior Code ICDO2, Sequence Number--Hosp (COC)	1	X		
23	Behavior Code ICDO3, Sequence Number--Hosp (COC)	1	X	X	
24	Behavior ICDO2 (COC)	200	X		
25	Behavior ICDO2, Behavior ICDO3 (SEER IF115)	1	X		
26	Behavior ICDO2, Date of Diagnosis (NAACCR)	1	X		
27	Behavior ICDO3 (COC)	200	X	X	
28	Behavior ICDO3, Date of Diagnosis (NAACCR)	1	X	X	
29	Biopsy Prior to Breast Surgery (Clin6)				X
30	Biopsy Prior to Breast Surgery (Clin7)				X
31	Birthplace (COC)	1	X		

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
32	Birthplace, Date of Diagnosis (COC)	1	X		
33	Bladder, RX Hosp--Surg Prim Site, BRM (COC)	1	X		
34	Bladder, RX Summ--Surg Prim Site, BRM (COC)	1	X		
35	Cancer Status (COC)	1	X		
36	Class of Case (NCDB)	200	X	X	
37	Class of Case, RX (COC)	1	X	X	
38	Class of Case, Date of 1st Cont, Date of DX (COC)	1	X	X	
39	Class of Case,Prim Site,Hist, Beh,DX (COC)	200	X	X	
40	COC Coding Sys--Curr, COC Coding Sys--Orig (COC)	1	X		
41	COC Coding Sys--Current (COC)	1	X		
42	COC Coding Sys--Original (COC)	1	X		
43	COC Coding Sys--Original, Date of Diagnosis (COC)	1	X		
44	Comorbid/Complication 1 - 10 (COC)	1	X		
45	Comorbid/Complication 1, Date DX (COC)	1	X		
46	Comorbid/Complication 1, ICD Revisn Comorbid (COC)	1	X	X	
47	Comorbid/Complication 2, ICD Revisn Comorbid (COC)	1	X		
48	Comorbid/Complication 3, ICD Revisn Comorbid (COC)	1	X		
49	Comorbid/Complication 4, ICD Revisn Comorbid (COC)	1	X		
50	Comorbid/Complication 5, ICD Revisn Comorbid (COC)	1	X		
51	Comorbid/Complication 6, ICD Revisn Comorbid (COC)	1	X		
52	Comorbid/Complication 7, ICD Revisn Comorbid (COC)	1	X		
53	Comorbid/Complication 8, ICD Revisn Comorbid (COC)	1	X		
54	Comorbid/Complication 9, ICD Revisn Comorbid (COC)	1	X		
55	Comorbid/Complication10, ICD Revisn Comorbid (COC)	1	X		
56	County at DX (COC)	1	X		
57	County at DX, Addr at DX--State (NAACCR)	1	X		
58	County at DX, Date of Diagnosis (COC)	1	X		
59	CS Eval Items, Class of Case (CS)	1	X		
60	CS Eval Items, Vital Status (CS)	1	X		
61	CS Ext, Histol ICDO3, Breast Schema (CS)	1	X		

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
62	CS Ext, LN, Mets at DX, SSF 1, Retinoblastoma (CS)	1	X		
63	CS Ext, LN, Mets at DX, SSF 3, Prostate (CS)	1	X		
64	CS Extension (CS)	1	X		
65	CS Extension, Brain Schema (CS)	1	X		
66	CS Extension, CS Lymph Nodes, CS Mets at DX (CS)	1	X		
67	CS Extension, CS Tumor Size, Breast Schema (CS)	1	X		
68	CS Extension, CS Tumor Size, Site, Hist ICDO3 (CS)	1	X		
69	CS Extension, Hematopoietic (CS)	1	X		
70	CS Extension, Hist, Grade, Esophagus Schema (CS)	1	X		
71	CS Extension, Hist, Grade, EsophagusGEJunction(CS)	1	X		
72	CS Extension, KidneyRenalPelvis Schema (CS)	1	X		
73	CS Extension, Lymphoma Schema (CS)	1	X		
74	CS Extension, Morphology, Bladder ICDO3 (CS)	1	X		
75	CS Extension, Mycosis Fungoides Schema (CS)	1	X		
76	CS Extension, MyelomaPlasmaCellDisorder (CS)	1	X		
77	CS Extension, Primary Site, Behavior ICDO3 (CS)	1	X		
78	CS Extension, Schema (CS)	1	X		
79	CS Extension, SSF 1, Lung Schema (CS)	1	X		
80	CS Extension, SSF 1, Thyroid Schema (CS)	1	X		
81	CS Extension, SSF 24, Breast Schema (CS)	1	X		
82	CS Extension, SSF 3, Behavior, Prostate (CS)	1	X		
83	CS Extension, Surgery, Prostate Schema (CS)	1	X		
84	CS Extension, TS/Ext Eval, Prostate Schema (CS)	1	X		
85	CS Items - COC Required - Non-SSF (CS)	1	X		
86	CS Items - SEER/COC Required - SSF 1 (CS)	1	X		
87	CS Items - SEER/COC Required - SSF 10 (CS)	1	X		
88	CS Items - SEER/COC Required - SSF 11 (CS)	1	X		
89	CS Items - SEER/COC Required - SSF 12 (CS)	1	X		
90	CS Items - SEER/COC Required - SSF 13 (CS)	1	X		
91	CS Items - SEER/COC Required - SSF 14 (CS)	1	X		

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
92	CS Items - SEER/COC Required - SSF 15 (CS)	1	X		
93	CS Items - SEER/COC Required - SSF 16 (CS)	1	X		
94	CS Items - SEER/COC Required - SSF 17 (CS)	1	X		
95	CS Items - SEER/COC Required - SSF 18 (CS)	1	X		
96	CS Items - SEER/COC Required - SSF 19 (CS)	1	X		
97	CS Items - SEER/COC Required - SSF 2 (CS)	1	X		
98	CS Items - SEER/COC Required - SSF 20 (CS)	1	X		
99	CS Items - SEER/COC Required - SSF 21 (CS)	1	X		
100	CS Items - SEER/COC Required - SSF 22 (CS)	1	X		
101	CS Items - SEER/COC Required - SSF 23 (CS)	1	X		
102	CS Items - SEER/COC Required - SSF 24 (CS)	1	X		
103	CS Items - SEER/COC Required - SSF 3 (CS)	1	X		
104	CS Items - SEER/COC Required - SSF 4 (CS)	1	X		
105	CS Items - SEER/COC Required - SSF 5 (CS)	1	X		
106	CS Items - SEER/COC Required - SSF 6 (CS)	1	X		
107	CS Items - SEER/COC Required - SSF 7 (CS)	1	X		
108	CS Items - SEER/COC Required - SSF 8 (CS)	1	X		
109	CS Items - SEER/COC Required - SSF 9 (CS)	1	X		
110	CS Lymph Nodes (CS)	1	X		
111	CS Lymph Nodes Eval (CS)	1	X		
112	CS Lymph Nodes Eval, Lymph Nodes, Breast Schema(CS)	1	X		
113	CS Lymph Nodes Eval, RX Summ--Scope, Nodes Ex (CS)	1	X		
114	CS Lymph Nodes Eval, Schema (CS)	1	X		
115	CS Lymph Nodes, IntracranialGland Schema (CS)	1	X		
116	CS Lymph Nodes, MyelomaPlasmaCellDisorder (CS)	1	X		
117	CS Lymph Nodes, Nodes Pos, ColoAppRectal (CS)	1	X		
118	CS Lymph Nodes, Nodes Pos, SSF3, Breast Schema(CS)	1	X		
119	CS Lymph Nodes, Regional Nodes Positive (CS)	1	X		
120	CS Lymph Nodes, Schema (CS)	1	X		
121	CS Lymph Nodes, SSF 1, Head/Neck Schemas (CS)	1	X		

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
122	CS Lymph Nodes, SSF 4, 5, Breast Schema (CS)	1	X		
123	CS Lymph Nodes, SSF3, Nodes Eval, MelanomaSkin(CS)	1	X		
124	CS Lymph Nodes, SSF3, RNP, MelanomaSkin (CS)	1	X		
125	CS Mets at DX (CS)	1	X		
126	CS Mets at DX, Colon Schema (CS)	1	X		
127	CS Mets at DX, Lung, Laterality (CS)	1	X		
128	CS Mets at DX, Rectum Schema (CS)	1	X		
129	CS Mets at DX, Schema (CS)	1	X		
130	CS Mets at DX, SSF 20, Breast Schema (CS)	1	X		
131	CS Mets at DX-Bone (CS)	1	X		
132	CS Mets at DX-Bone, CS Mets at DX (CS)	1	X		
133	CS Mets at DX-Brain (CS)	1	X		
134	CS Mets at DX-Brain, CS Mets at DX (CS)	1	X		
135	CS Mets at DX-Liver (CS)	1	X		
136	CS Mets at DX-Liver, CS Mets at DX (CS)	1	X		
137	CS Mets at DX-Lung (CS)	1	X		
138	CS Mets at DX-Lung, CS Mets at DX (CS)	1	X		
139	CS Mets Eval (CS)	1	X		
140	CS Mets Eval, Mets at DX, CS Version Inp Orig (CS)	1	X		
141	CS Mets Eval, Schema (CS)	1	X		
142	CS Reg Nodes Ex, Pos, Site, Hist ICDO3, Report(CS)	1	X		
143	CS Site-Specific Factor 1 (CS)	1	X	X	
144	CS Site-Specific Factor 1, Schema (CS)	1	X		
145	CS Site-Specific Factor 2 (CS)	1	X	X	
146	CS Site-Specific Factor 2, Schema (CS)	1	X		
147	CS Site-Specific Factor 3 (CS)	1	X		
148	CS Site-Specific Factor 3, Schema (CS)	1	X		
149	CS Site-Specific Factor 4 (CS)	1	X		
150	CS Site-Specific Factor 4, Schema (CS)	1	X		
151	CS Site-Specific Factor 5 (CS)	1	X		

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
152	CS Site-Specific Factor 5, Schema (CS)	1	X		
153	CS Site-Specific Factor 6 (CS)	1	X		
154	CS Site-Specific Factor 6, Schema (CS)	1	X		
155	CS Site-Specific Factor 7 (CS)	1	X		
156	CS Site-Specific Factor 7, Schema (CS)	1	X		
157	CS Site-Specific Factor 8 (CS)	1	X		
158	CS Site-Specific Factor 8, Schema (CS)	1	X		
159	CS Site-Specific Factor 9 (CS)	1	X		
160	CS Site-Specific Factor 9, Schema (CS)	1	X		
161	CS Site-Specific Factor10 (CS)	1	X		
162	CS Site-Specific Factor10, Schema (CS)	1	X		
163	CS Site-Specific Factor11 (CS)	1	X		
164	CS Site-Specific Factor11, Schema (CS)	1	X		
165	CS Site-Specific Factor12 (CS)	1	X		
166	CS Site-Specific Factor12, Schema (CS)	1	X		
167	CS Site-Specific Factor13 (CS)	1	X		
168	CS Site-Specific Factor13, Schema (CS)	1	X		
169	CS Site-Specific Factor14 (CS)	1	X		
170	CS Site-Specific Factor14, Schema (CS)	1	X		
171	CS Site-Specific Factor15 (CS)	1	X		
172	CS Site-Specific Factor15, Schema (CS)	1	X		
173	CS Site-Specific Factor16 (CS)	1	X		
174	CS Site-Specific Factor16, Schema (CS)	1	X		
175	CS Site-Specific Factor17 (CS)	1	X		
176	CS Site-Specific Factor17, Schema (CS)	1	X		
177	CS Site-Specific Factor18 (CS)	1	X		
178	CS Site-Specific Factor18, Schema (CS)	1	X		
179	CS Site-Specific Factor19 (CS)	1	X		
180	CS Site-Specific Factor19, Schema (CS)	1	X		
181	CS Site-Specific Factor20 (CS)	1	X		

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
182	CS Site-Specific Factor20, Schema (CS)	1	X		
183	CS Site-Specific Factor21 (CS)	1	X		
184	CS Site-Specific Factor21, Schema (CS)	1	X		
185	CS Site-Specific Factor22 (CS)	1	X		
186	CS Site-Specific Factor22, Schema (CS)	1	X		
187	CS Site-Specific Factor23 (CS)	1	X		
188	CS Site-Specific Factor23, Schema (CS)	1	X		
189	CS Site-Specific Factor24 (CS)	1	X		
190	CS Site-Specific Factor24, Schema (CS)	1	X		
191	CS Site-Specific Factor25 (CS)	1	X		
192	CS Site-Specific Factor25, Schema (CS)	1	X		
193	CS SSF 1, CS SSF 3, Lower GI Schemas (CS)	1	X		
194	CS SSF 1, Extension, Gyn Schemas (CS)	1	X		
195	CS SSF 1, Histol, Urothelial Schemas (CS)	1	X		
196	CS SSF 1, RX Summ--Surg, Retinoblastoma Schema(CS)	1	X		
197	CS SSF 1, Skin/Scrotum/Merkel Cell Schemas (CS)	1	X		
198	CS SSF 1, SSF 2, Prostate Schema (CS)	1	X		
199	CS SSF 1, Surg, DX/Stg, Sarcomas (CS)	1	X		
200	CS SSF 1, Surg, DX/Stg, Skin/Scrotum/Merkel(CS)	1	X		
201	CS SSF 1, Upper GI Schemas (CS)	1	X		
202	CS SSF 10, SSF 11, Breast (CS)	1	X		
203	CS SSF 10, SSF 11, Surgery, DX/Stg, Breast (CS)	1	X		
204	CS SSF 11, Lip/OralCavity/Nasal Schemas (CS)	1	X		
205	CS SSF 11, Surg, DX/Stg Proc, Appendix Schema (CS)	1	X		
206	CS SSF 11, Surg, DX/Stg Proc, Skin Schema (CS)	1	X		
207	CS SSF 12, SSF 13, Breast (CS)	1	X		
208	CS SSF 12, SSF 13, Surgery, DX/Stg, Breast (CS)	1	X		
209	CS SSF 14, Surgery, DX/Stg, Breast (CS)	1	X		
210	CS SSF 15, SSF 9, 11, 13, 14, Breast (CS)	1	X		
211	CS SSF 16, MerkelCell Schemas (CS)	1	X		

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
212	CS SSF 16, Skin and Scrotum Schemas (CS)	1	X		
213	CS SSF 17, MerkelCell Schemas (CS)	1	X		
214	CS SSF 18, MerkelCell Schemas (CS)	1	X		
215	CS SSF 1-9, Head and Neck Schemas (CS)	1	X		
216	CS SSF 2, Dx Conf, KidneyRenalPelvis (CS)	1	X		
217	CS SSF 2, Extension, Ovary Schema (CS)	1	X		
218	CS SSF 2, LN, LN Eval, RNP, SmallIntestine (CS)	1	X		
219	CS SSF 2, Lower GI Schemas (CS)	1	X		
220	CS SSF 2, MyelomaPlasmaCellDisorder (CS)	1	X		
221	CS SSF 2, Pleura (CS)	1	X		
222	CS SSF 21, Surg/Rad Seq, Sur/Sys Seq, Breast (CS)	1	X		
223	CS SSF 21, TS/Ext Eval, LN Eval, Breast (CS)	1	X		
224	CS SSF 22, SSF 23, Breast (CS)	1	X		
225	CS SSF 22, SSF 23, Surgery, DX/Stg, Breast (CS)	1	X		
226	CS SSF 3, RX Summ--SurgMargins, Prost Schema (CS)	1	X		
227	CS SSF 3, Breast Schema (CS)	1	X		
228	CS SSF 3, MerkelCell Schemas (CS)	1	X		
229	CS SSF 3, MyelomaPlasmaCellDisorder (CS)	1	X		
230	CS SSF 3, RX Summ--Surg, Prostate Schema (CS)	1	X		
231	CS SSF 3, SSF 4, Prostate Schema (CS)	1	X		
232	CS SSF 3, TS/Ext Eval, Prostate Schema (CS)	1	X		
233	CS SSF 4, CS SSF 5, Liver Schema (CS)	1	X		
234	CS SSF 4, LymphNodes, NodesPos, ColoRectal (CS)	1	X		
235	CS SSF 4, RX Summ--Surg, Testis Schema (CS)	1	X		
236	CS SSF 5, RX Summ--Surg, ColoRectal (CS)	1	X		
237	CS SSF 6, Breast Schema (CS)	1	X		
238	CS SSF 6, CS SSF 7, Liver Schema (CS)	1	X		
239	CS SSF 6, RX Summ--Surg, ColoRectal (CS)	1	X		
240	CS SSF 6, Tumor Size, Breast Schema (CS)	1	X		
241	CS SSF 8, CS SSF 9, Breast (CS)	1	X		

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
242	CS SSF 8, CS SSF 9, Surgery, DX/Stg, Breast (CS)	1	X		
243	CS SSF 8, RX Summ--Surg, DX/Stg, ColoRectal (CS)	1	X		
244	CS SSF 9, Head and Neck Schemas (CS)	1	X		
245	CS TS/Ext Eval, Surgery (CS)	1	X		
246	CS TS/Ext Eval, Surgery, Bladder Schema (CS)	1	X		
247	CS TS/Ext Eval, Surgery, Prostate Schema (CS)	1	X		
248	CS Tumor Size (CS)	1	X	X	
249	CS Tumor Size, Schema (CS)	1	X		
250	CS Tumor Size, Site, Histol ICDO3 (CS)	1	X		
251	CS Tumor Size, SSF 1, MelanomaConjunctiva (CS)	1	X		
252	CS Tumor Size/Ext Eval (CS)	1	X		
253	CS Tumor Size/Ext Eval, Schema (CS)	1	X		
254	CS Validate Schema (CS)	1	X		
255	CS Version Derived (CS)	1	X		
256	CS Version Input Current (CS)	1	X		
257	CS Version Input Current, CS Version Derived (CS)	1	X		
258	CS Version Input Original (CS)	1	X		
259	CS Version Input Original, CS Version Derived (CS)	1	X		
260	CS Version Input Original, Version Input Curr (CS)	1	X		
261	Date Case Completed-CoC (COC)	1	X		
262	Date Case Completed-CoC, Date of Diagnosis (NCDB)	0	X		
263	Date Case Last Changed (NAACCR)	1	X		
264	Date Conclusive DX Flag (NAACCR)	1	X		
265	Date of 1st Contact (COC)	1	X	X	
266	Date of 1st Contact Flag (NAACCR)	1	X		
267	Date of 1st Contact, Date Flag(NAACCR)	1	X		
268	Date of 1st Crs RX Flag (NAACCR)	1	X		
269	Date of 1st Crs RX--COC (COC)	1	X		
270	Date of 1st Crs RX--COC, Date Flag (COC)	1	X		
271	Date of 1st Crs RX--COC, Date Last Contact (COC)	1	X		

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
272	Date of 1st Crs RX--COC, Date of DX (COC)	1	X		
273	Date of 1st Crs RX--COC, Dates of RX (COC)	1	X		
274	Date of Birth (NAACCR)	1	X	X	
275	Date of Birth Flag (NAACCR)	1	X		
276	Date of Birth, Date Flag (NAACCR)	1	X	X	
277	Date of Birth, Date of Diagnosis (NAACCR IF47)	1	X		
278	Date of Conclusive DX (SEER)	1	X		
279	Date of Conclusive DX, Date Flag (NAACCR)	1	X		
280	Date of Conclusive DX, Date of DX (SEER IF164)	1	X		
281	Date of Diagnosis (NAACCR DATEEDIT)	200	X	X	
282	Date of Last Contact (NAACCR DATEEDIT)	1	X	X	
283	Date of Last Contact Flag (NAACCR)	1	X		
284	Date of Last Contact, Date Flag(NAACCR)	1	X		
285	Date of Last Contact, Date of Diag. (NAACCR IF19)	1	X	X	
286	Date of Mult Tum, Lymphoma/Leukem/Unk Site(NAACCR)	1	X		
287	Date of Mult Tumors Flag (NAACCR)	1	X		
288	Date of Multiple Tumors (SEER)	1	X		
289	Date of Multiple Tumors, Date Flag (NAACCR)	1	X		
290	Date of Multiple Tumors, Date of DX (SEER IF165)	1	X		
291	Derived AJCC-6 M (CS)	1	X		
292	Derived AJCC-6 M Descriptor (CS)	1	X		
293	Derived AJCC-6 N (CS)	1	X		
294	Derived AJCC-6 N Descriptor (CS)	1	X		
295	Derived AJCC-6 Stage Group (CS)	1	X		
296	Derived AJCC-6 T (CS)	1	X		
297	Derived AJCC-6 T Descriptor (CS)	1	X		
298	Derived AJCC-7 M (CS)	1	X		
299	Derived AJCC-7 M Descriptor (CS)	1	X		
300	Derived AJCC-7 N (CS)	1	X		
301	Derived AJCC-7 N Descript (CS)	1	X		

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
302	Derived AJCC-7 Stage Group (CS)	1	X		
303	Derived AJCC-7 T (CS)	1	X		
304	Derived AJCC-7 T Descript (CS)	1	X		
305	Derived AJCC--Flag (CS)	1	X		
306	Derived AJCC--Flag, Derived AJCC (COC)	1	X		
307	Derived Items, Date of DX (COC)	1	X		
308	Derived SS1977 (CS)	1	X		
309	Derived SS1977--Flag (CS)	1	X		
310	Derived SS1977--Flag, Derived SS1977 (CS)	1	X		
311	Derived SS2000 (CS)	1	X		
312	Derived SS2000, Behavior ICDO3 (CS)	1	X		
313	Derived SS2000--Flag (CS)	1	X		
314	Derived SS2000--Flag, Derived SS2000 (CS)	1	X		
315	Diagnostic Confirm, Seq Num--Hosp (COC)	1	X		
316	Diagnostic Confirmation (SEER DXCONF)	1	X		
317	Diagnostic Confirmation, Behavior ICDO2(SEER IF31)	1	X		
318	Diagnostic Confirmation, Behavior ICDO3(SEER IF31)	1	X		
319	Diagnostic Confirmation, Histology ICDO2(SEER IF48)	1	X		
320	Diagnostic Confirmation, Histology ICDO3(SEER IF48)	1	X		
321	DX 1985-2010 (NCDB)	200	X		
322	Edit Over-rides (NCDB)	1	X		
323	EOD--Tumor Size (COC)	1	X		
324	EOD--Tumor Size, Date of Diagnosis (COC)	1	X		
325	Grade (COC)	200	X		
326	Grade Path System (COC)	1	X		
327	Grade Path System, Grade Path Value, Grade (COC)	1	X		
328	Grade Path Value (COC)	1	X		
329	Hematopoietic, TNM, ICDO2 (NAACCR)	1	X		
330	Hematopoietic, TNM, ICDO3 (COC)	1	X		
331	Hist/Behav ICDO2, Hist/Behav ICDO3 (SEER IF126)	200	X		

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
332	Histologic Type ICDO2 (COC)	200	X		
333	Histologic Type ICDO3 (SEER)	200	X		
334	Histology ICDO2, Date of Diagnosis (NAACCR)	1	X		
335	Histology ICDO3, Date DX, Date 1st Cont (NAACCR)	1	X	X	
336	Histology, Primary Site, Tumor Size, ICDO2 (COC)	1	X		
337	Histology, Primary Site, Tumor Size, ICDO3 (COC)	1	X		
338	ICD Revision Comorbid (COC)	1	X		
339	ICD Revision Comorbid, Date of DX (COC)	1	X		
340	ICD-O-2 Conversion Flag (SEER ICDOREV)	1	X		
341	ICD-O-3 Conversion Flag (NAACCR)	1	X		
342	ICD-O-3 Conversion Flag, Histology ICDO3(SEER IF95	1	X		
343	Laterality (SEER LATERAL)	1	X		
344	Laterality, Primary Site (COC)	1	X		
345	Lymphoma, TNM, ICDO3 (COC)	1	X		
346	Lymph-vascular Invasion (CS)	1	X		
347	Lymph-vascular Invasion, Histology ICDO3 (CS)	1	X		
348	Morph Coding Sys--Curr, Morph Coding Sys--Orig(COC	1	X		
349	Morph Coding Sys--Current (NCDB)	1	X		
350	Morph Coding Sys--Originl (NAACCR)	1	X		
351	Morph Coding Sys--Originl, Date of Diagnosis (COC)	1	X		
352	Morphology--Type/Behavior ICDO2 (SEER MORPH)	200	X		
353	Morphology--Type/Behavior ICDO3 (SEER MORPH)	200	X	X	
354	Mult Tum Rpt As One Prim (SEER)	1	X		
355	Mult Tum Rpt As One Prim, Date of DX (SEER IF155)	1	X		
356	Mult Tum Rpt as One Prim, Date of Mult Tum(NAACCR)	1	X		
357	Mult Tum Rpt As One Prim, Primary Site (NAACCR)	1	X		
358	Mult Tum Rpt, Lymphoma/Leukemia/Unk Site (NAACCR)	1	X		
359	Multiplicity Cntr, Date of Mult Tum (SEER IF163)	1	X		
360	Multiplicity Cntr, Mult Tum Rpt as One Prim(NAACCR	1	X		
361	Multiplicity Counter (SEER)	1	X		

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
362	Multiplicity Counter, Date of DX (SEER IF156)	1	X		
363	Multiplicity Ctr, Lymphoma/Leukem/Unk Site(NAACCR)	1	X		
364	NAACCR Record Version (NAACCR)	200	X	X	
365	NPI--Archive FIN (NAACCR)	1	X		
366	NPI-Archive FIN, Date of Diagnosis (NCDB)	200	X		
367	NPI--Physician 3 (NCDB)	1	X		
368	NPI--Physician 4 (NCDB)	1	X		
369	NPI--Physician--Prim Surg (NCDB)	1	X		
370	NPI--Reporting Facility (NAACCR)	1	X		
371	NPI-Reporting Facility, Date of Diagnosis (NCDB)	200	X		
372	Obsolete Codes - CS Extension (CS)	1	X		
373	Obsolete Codes - CS Lymph Nodes (CS)	1	X		
374	Obsolete Codes - CS Lymph Nodes Eval (CS)	1	X		
375	Obsolete Codes - CS Mets at DX (CS)	1	X		
376	Obsolete Codes - CS Mets Eval (CS)	1	X		
377	Obsolete Codes - CS Site-Specific Factor 1 (CS)	1	X		
378	Obsolete Codes - CS Site-Specific Factor 2 (CS)	1	X		
379	Obsolete Codes - CS Site-Specific Factor 3 (CS)	1	X		
380	Obsolete Codes - CS Site-Specific Factor 4 (CS)	1	X		
381	Obsolete Codes - CS Site-Specific Factor 5 (CS)	1	X		
382	Obsolete Codes - CS Site-Specific Factor 6 (CS)	1	X		
383	Obsolete Codes - CS Site-Specific Factor 7 (CS)	1	X		
384	Obsolete Codes - CS Site-Specific Factor 8 (CS)	1	X		
385	Obsolete Codes - CS Site-Specific Factor 9 (CS)	1	X		
386	Obsolete Codes - CS Site-Specific Factor10 (CS)	1	X		
387	Obsolete Codes - CS Site-Specific Factor11 (CS)	1	X		
388	Obsolete Codes - CS Site-Specific Factor12 (CS)	1	X		
389	Obsolete Codes - CS Site-Specific Factor13 (CS)	1	X		
390	Obsolete Codes - CS Site-Specific Factor15 (CS)	1	X		
391	Obsolete Codes - CS Site-Specific Factor19 (CS)	1	X		

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
392	Obsolete Codes - CS Site-Specific Factor21 (CS)	1	X		
393	Obsolete Codes - CS Site-Specific Factor22 (CS)	1	X		
394	Obsolete Codes - CS Site-Specific Factor23 (CS)	1	X		
395	Obsolete Codes - CS Site-Specific Factor25 (CS)	1	X		
396	Obsolete Codes - CS Tumor Size (CS)	1	X		
397	Obsolete Codes - CS Tumor Size/Ext Eval (CS)	1	X		
398	Over-ride Misuse (NAACCR)	1	X		
399	Primary Payer at DX (COC)	1	X		
400	Primary Site (SEER SITE)	200	X	X	
401	Primary Site, AJCC M - Ed 7, ICDO3 (NCDB)	1	X	X	
402	Primary Site, AJCC N - Ed 7, ICDO3 (NCDB)	1	X	X	
403	Primary Site, AJCC Stage Group - Ed 3/4, ICDO2(COC)	1	X		
404	Primary Site, AJCC Stage Group - Ed 5, ICDO2 (COC)	1	X		
405	Primary Site, AJCC Stage Group - Ed 5, ICDO3 (COC)	1	X		
406	Primary Site, AJCC Stage Group - Ed 6, ICDO3 (COC)	1	X	X	
407	Primary Site, AJCC Stage Group - Ed 7, ICDO3 (NCDB)	1	X	X	
408	Primary Site, AJCC T - Ed 7, ICDO3 (NCDB)	1	X	X	
409	Primary Site, Behavior Code ICDO2 (SEER IF39)	200	X		
410	Primary Site, Behavior Code ICDO3 (SEER IF39)	200	X	X	
411	Primary Site, Laterality (SEER IF82)	1	X		
412	Primary Site, Morphology-Imposs ICDO2 (SEER IF38)	200	X		
413	Primary Site, Morphology-Imposs ICDO3 (SEER IF38)	200	X	X	
414	Primary Site, Morphology-Type ICDO2 (COC)	200	X		
415	Primary Site, Morphology-Type ICDO3 (COC)	200	X	X	
416	Primary Site, Morphology-Type,Beh ICDO3 (COC)	200	X	X	
417	Primary Site, No AJCC Scheme-Ed 5, ICDO2 (NAACCR)	200	X		
418	Primary Site, No AJCC Scheme-Ed 5, ICDO3 (NAACCR)	200	X		
419	Prognostic and Staging Information Coding (Clin6)				X
420	Prognostic and Staging Information Coding (Clin7)				X
421	Race 1 (SEER RACE)	1	X	X	

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
422	Race 1, Race 2, Race 3, Race 4, Race 5 (NAACCR)	1	X		
423	Race 2 (NAACCR)	1	X		
424	Race 2, Date of DX (SEER IF89)	1	X		
425	Race 3 (NAACCR)	1	X		
426	Race 3, Date of DX (SEER IF90)	1	X		
427	Race 4 (NAACCR)	1	X		
428	Race 4, Date of DX (SEER IF91)	1	X		
429	Race 5 (NAACCR)	1	X		
430	Race 5, Date of DX (SEER IF92)	1	X		
431	Race Coding Sys--Curr, Race Coding Sys--Orig (COC)	1	X		
432	Race Coding Sys--Current (NAACCR)	1	X		
433	Race Coding Sys--Original (NAACCR)	1	X		
434	Race Coding Sys--Original, Date of Diagnosis (COC)	1	X		
435	Rad--Boost Dose cGy (COC)	1	X		
436	Rad--Boost Dose cGy, Date of Diagnosis (COC)	1	X		
437	Rad--Boost RX Modality (COC)	1	X		
438	Rad--Boost RX Modality, Date of Diagnosis (COC)	1	X		
439	Radiation For Breast Cancer w Nodes (Clin6)				X
440	Radiation For Breast Cancer w Nodes (Clin7)				X
441	Radiation With Breast-Conserving Surg (Clin7)				X
442	Radiation With Breast-Conserving Surgery (Clin6)				X
443	Radiation With Rectal Cancer Surgery (Clin6)				X
444	Radiation With Rectal Cancer Surgery (Clin7)				X
445	Rad--Location of RX (COC)	1	X	X	
446	Rad--No of Treatments Vol (COC)	1	X	X	
447	Rad--Regional Dose: cGy (COC)	1	X	X	
448	Rad--Regional RX Modality (COC)	1	X	X	
449	Rad--Regional RX Modality, Date of Diagnosis (COC)	1	X	X	
450	Rad--Regional RX Modality, Reason for No Rad (COC)	1	X	X	
451	Rad--Treatment Volume (COC)	1	X	X	

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
452	Readm Same Hosp 30 Days (COC)	1	X		
453	Readm Same Hosp 30 Days, Date of Diagnosis (COC)	1	X		
454	Reason for No Radiation (COC)	1	X	X	
455	Reason for No Radiation, RX Date--Radiation (COC)	1	X	X	
456	Reason for No Radiation, Vital Status (COC)	1	X	X	
457	Reason for No Surgery (SEER NCDSURG)	1	X		
458	Reason for No Surgery, Vital Status (COC)	1	X		
459	Record Type (NCDB)	200	X	X	
460	Recurrence Date--1st (COC)	1	X		
461	Recurrence Date--1st Flag (NAACCR)	1	X		
462	Recurrence Date--1st, Date Flag (COC)	1	X		
463	Recurrence Date--1st, Date Last Contact (COC)	1	X		
464	Recurrence Date--1st, Date of 1st RX--COC (COC)	1	X		
465	Recurrence Date--1st, Date of Diagnosis (COC)	1	X		
466	Recurrence Type--1st (COC)	1	X		
467	Recurrence Type--1st, Cancer Status (COC)	1	X		
468	Recurrence Type--1st, Recurrence Date--1st (COC)	1	X		
469	Regional Nodes Ex, Reg Nodes Pos (COC)	1	X	X	
470	Regional Nodes Examined (COC)	1	X	X	
471	Regional Nodes Positive (COC)	1	X	X	
472	Reporting Facility (COC)	200	X	X	
473	RX Coding System--Current (COC)	1	X		
474	RX Date--BRM (COC)	1	X		
475	RX Date--BRM Flag (NAACCR)	1	X		
476	RX Date--BRM, Date Flag (COC)	1	X		
477	RX Date--BRM, Date Flag, Date DX (COC)	1	X		
478	RX Date--BRM, Date Last Contact (COC)	1	X		
479	RX Date--BRM, RX Date--Systemic (COC)	1	X		
480	RX Date--Chemo (COC)	1	X	X	
481	RX Date--Chemo Flag (NAACCR)	1	X		

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
482	RX Date--Chemo, Date Flag (COC)	1	X	X	
483	RX Date--Chemo, Date Flag, Date DX (COC)	1	X		
484	RX Date--Chemo, Date Last Contact (COC)	1	X		
485	RX Date--Chemo, RX Date--Systemic (COC)	1	X		
486	RX Date--DX/Stg Proc (COC)	1	X		
487	RX Date--Dx/Stg Proc Flag (NAACCR)	1	X		
488	RX Date--DX/Stg Proc, Date Flag (COC)	1	X		
489	RX Date--DX/Stg Proc, Date Last Contact (COC)	1	X		
490	RX Date--Hormone (COC)	1	X	X	
491	RX Date--Hormone Flag (NAACCR)	1	X	X	
492	RX Date--Hormone, Date Flag (COC)	1	X		
493	RX Date--Hormone, Date Flag, Date DX (COC)	1	X		
494	RX Date--Hormone, Date Last Contact (COC)	1	X		
495	RX Date--Hormone, RX Date--Systemic (COC)	1	X		
496	RX Date--Most Defin Surg (COC)	1	X		
497	RX Date--Most Defin Surg, Date Flag (COC)	1	X		
498	RX Date--Most Defin Surg, Date Flag, DX Date (COC)	1	X		
499	RX Date--Most Defin Surg, Date Last Contact (COC)	1	X		
500	RX Date--Most Defin Surg, Date of DX (COC)	1	X		
501	RX Date--Most Defin Surg, RX Date--Surgery (COC)	1	X		
502	RX Date--Most Defin Surg, Surg Prim Site (COC)	1	X		
503	RX Date--Mst Defn Srg Flag (NAACCR)	1	X		
504	RX Date--Other (COC)	1	X		
505	RX Date--Other Flag (NAACCR)	1	X		
506	RX Date--Other, Date Flag (NAACCR)	1	X		
507	RX Date--Other, Date Flag, DX Date (COC)	1	X		
508	RX Date--Other, Date Last Contact (COC)	1	X		
509	RX Date--Rad Ended Flag (NAACCR)	1	X		
510	RX Date--Rad Ended, Date Last Contact (COC)	1	X	X	
511	RX Date--Rad Ended, Rad--Location of RX (COC)	1	X	X	

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
512	RX Date--Rad Ended, Rad--No of Treatments Vol (COC)	1	X	X	
513	RX Date--Rad Ended, Rad--Regional Dose: cGy (COC)	1	X	X	
514	RX Date--Rad Ended, Rad--Regional RX Modality (COC)	1	X	X	
515	RX Date--Rad Ended, Rad--Treatment Volume (COC)	1	X	X	
516	RX Date--Rad Ended, RX Date--Radiation (COC)	1	X	X	
517	RX Date--Radiation (COC)	1	X	X	
518	RX Date--Radiation Ended (COC)	1	X	X	
519	RX Date--Radiation Ended, Date Flag (COC)	1	X		
520	RX Date--Radiation Flag (NAACCR)	1	X		
521	RX Date--Radiation, Date Flag (COC)	1	X		
522	RX Date--Radiation, Date Last Contact (COC)	1	X		
523	RX Date--Radiation, Rad--Boost Dose cGy (COC)	1	X		
524	RX Date--Radiation, Rad--Boost RX Modality (COC)	1	X		
525	RX Date--Radiation, Rad--Location of RX (COC)	1	X	X	
526	RX Date--Radiation, Rad--No of Treatments Vol (COC)	1	X	X	
527	RX Date--Radiation, Rad--Regional Dose: cGy (COC)	1	X	X	
528	RX Date--Radiation, Rad--Regional RX Modality (COC)	1	X	X	
529	RX Date--Radiation, Rad--Treatment Volume (COC)	1	X	X	
530	RX Date--Surg Disch Flag (NAACCR)	1	X		
531	RX Date--Surgery (COC)	1	X		
532	RX Date--Surgery Flag (NAACCR)	1	X		
533	RX Date--Surgery, Date Flag (COC)	1	X		
534	RX Date--Surgery, Date Last Contact (COC)	1	X		
535	RX Date--Surgical Disch (COC)	1	X		
536	RX Date--Surgical Disch, Date Flag (COC)	1	X		
537	RX Date--Surgical Disch, Date Flag, DX Date (COC)	1	X		
538	RX Date--Surgical Disch, Date Last Contact (COC)	1	X		
539	RX Date--Surgical Disch, Date of DX (COC)	1	X		
540	RX Date--Surgical Disch, Date--Most Def Surg (COC)	1	X		
541	RX Date--Surgical Disch, Surg Prim Site (COC)	1	X		

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
542	RX Date--Systemic (COC)	1	X	X	
543	RX Date--Systemic Flag (NAACCR)	1	X		
544	RX Date--Systemic, Date Last Contact (COC)	1	X	X	
545	RX Date--Systemic, RX Date Systemic Flag (COC)	1	X		
546	RX Date--Systemic, Systemic RX (COC)	1	X	X	
547	RX Hosp--BRM (COC)	1	X		
548	RX Hosp--BRM, RX Summ--BRM (COC)	1	X		
549	RX Hosp--Chemo (COC)	1	X		
550	RX Hosp--Chemo, RX Summ--Chemo (COC)	1	X		
551	RX Hosp--DX/Stg Proc (COC)	1	X		
552	RX Hosp--DX/Stg Proc, RX Summ--DX/Stg Proc (COC)	1	X		
553	RX Hosp--Hormone (COC)	1	X		
554	RX Hosp--Hormone, RX Summ--Hormone (COC)	1	X		
555	RX Hosp--Other (COC)	1	X		
556	RX Hosp--Other, Date of Diagnosis (COC)	1	X		
557	RX Hosp--Other, RX Summ--Other (COC)	1	X		
558	RX Hosp--Palliative Proc (COC)	1	X		
559	RX Hosp--Palliative Proc, RX Summ--Pall Proc (COC)	1	X		
560	RX Hosp--Reg LN Examined (COC)	1	X		
561	RX Hosp--Scope LN Sur, RX Summ--Scope LN Sur(COC)	1	X		
562	RX Hosp--Scope Reg 98-02 (COC)	1	X		
563	RX Hosp--Scope Reg 98-02, Primary Site, ICDO2(COC)	1	X		
564	RX Hosp--Scope Reg 98-02, Primary Site, ICDO3(COC)	1	X		
565	RX Hosp--Scope Reg 98-02, RX Hosp--Scope Reg (COC)	1	X		
566	RX Hosp--Scope Reg LN Sur (COC)	1	X		
567	RX Hosp--Scope Reg LN Sur, Primary Site,ICDO2(COC)	1	X		
568	RX Hosp--Scope Reg LN Sur, Primary Site,ICDO3(COC)	1	X		
569	RX Hosp--Surg App 2010 (COC)	1	X		
570	RX Hosp--Surg App 2010, Date of of Diagnosis (COC)	1	X		
571	RX Hosp--Surg App 2010, Surg Prim Site (COC)	1	X		

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
572	RX Hosp--Surg Oth 98-02 (COC)	1	X		
573	RX Hosp--Surg Oth 98-02, Primary Site (COC)	1	X		
574	RX Hosp--Surg Oth 98-02, RX Hosp--Surg Oth (COC)	1	X		
575	RX Hosp--Surg Oth Reg, RX Summ--Surg Oth Reg (COC)	1	X		
576	RX Hosp--Surg Oth Reg/Dis (COC)	1	X		
577	RX Hosp--Surg Pri Sit, RX Summ--Surg Pri Sit (COC)	1	X	X	
578	RX Hosp--Surg Prim Site (COC)	1	X	X	
579	RX Hosp--Surg Prim Site, Primary Site, ICDO2 (COC)	1	X		
580	RX Hosp--Surg Prim Site, Primary Site, ICDO3 (COC)	1	X	X	
581	RX Hosp--Surg Site 98-02 (COC)	1	X		
582	RX Hosp--Surg Site 98-02, Primary Site (COC)	1	X		
583	RX Hosp--Surg Site 98-02, RX Hosp--Surg Site (COC)	1	X		
584	RX Summ--BRM (COC)	1	X		
585	RX Summ--BRM, RX Date--BRM (COC)	1	X		
586	RX Summ--BRM, Vital Status (COC)	1	X		
587	RX Summ--Chemo (COC)	1	X	X	
588	RX Summ--Chemo, RX Date--Chemo (COC)	1	X		
589	RX Summ--Chemo, Vital Status (COC)	1	X	X	
590	RX Summ--DX/Stg Proc (COC)	1	X		
591	RX Summ--DX/Stg Proc, RX Date--DX/Stg Proc (COC)	1	X		
592	RX Summ--Hormone (COC)	1	X	X	
593	RX Summ--Hormone, RX Date--Hormone (COC)	1	X		
594	RX Summ--Hormone, Vital Status (COC)	1	X	X	
595	RX Summ--Other (SEER OTHERRX)	1	X		
596	RX Summ--Other, RX Date--Other (COC)	1	X		
597	RX Summ--Palliative Proc (COC)	1	X		
598	RX Summ--Reg LN Examined (COC)	1	X		
599	RX Summ--Reg LN Examined, Date of DX (COC)	1	X		
600	RX Summ--Scope Reg 98-02, Date of DX (COC)	1	X		
601	RX Summ--Scope Reg 98-02, Primary Site, ICDO2(COC)	1	X		

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
602	RX Summ--Scope Reg 98-02, Primary Site, ICDO3(COC)	1	X		
603	RX Summ--Scope Reg LN Sur (COC)	1	X		
604	RX Summ--Scope Reg LN Sur, Site, ICDO2(COC)	1	X		
605	RX Summ--Scope Reg LN Sur, Site, ICDO3 (SEER IF109)	1	X		
606	RX Summ--Surg Oth 98-02 (COC)	1	X		
607	RX Summ--Surg Oth 98-02, Date of DX (COC)	1	X		
608	RX Summ--Surg Oth 98-02, Primary Site (COC)	1	X		
609	RX Summ--Surg Oth Reg/Dis (COC)	1	X		
610	RX Summ--Surg Prim Site (COC)	1	X	X	
611	RX Summ--Surg Prim Site, Diag Conf (SEER IF76)	1	X		
612	RX Summ--Surg Prim Site, Primary Site, ICDO2 (COC)	1	X		
613	RX Summ--Surg Prim Site, Primary Site, ICDO3 (COC)	1	X	X	
614	RX Summ--Surg Site 98-02 (COC)	1	X		
615	RX Summ--Surg Site 98-02, Date of DX (COC)	1	X		
616	RX Summ--Surg Site 98-02, Primary Site (COC)	1	X		
617	RX Summ--Surg Site 98-02, RX Summ--Surg Site (COC)	1	X		
618	RX Summ--Surg/Rad Seq (SEER RADSEQ)	1	X	X	
619	RX Summ--Surgical Margins (COC)	1	X		
620	RX Summ--Surgical Margins, Primary Site,ICDO2 (COC)	1	X		
621	RX Summ--Surgical Margins, Primary Site,ICDO3 (COC)	1	X		
622	RX Summ--Systemic/Sur Seq (COC)	1	X	X	
623	RX Summ--Systemic/Sur Seq, Date of DX (COC)	1	X	X	
624	RX Summ--Transplnt/Endocr (COC)	1	X		
625	RX Summ--Transplnt/Endocr, Primary Site (SEER IF28)	1	X		
626	RX Summ--Transplnt/Endocr, Vital Status (COC)	1	X		
627	RX Summ--Treatment Stat, Date of 1st Crs RX--COC(COC)	1	X		
628	RX Summ--Treatment Status (COC)	1	X		
629	RX Summ--Treatment Status, Date of DX (COC)	1	X		
630	Seq Num--Hosp, Primary Site, Morph ICDO2 (COC)	1	X		
631	Seq Num--Hosp, Primary Site, Morph ICDO3 (COC)	1	X	X	

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
632	Sequence Number--Hospital (COC)	200	X	X	
633	Sex (SEER Sex)	200	X	X	
634	Sex, Primary Site (SEER IF17)	1	X	X	
635	Site Coding Sys--Curr, Site Coding Sys--Orig (COC)	1	X		
636	Site Coding Sys--Current (NAACCR)	1	X		
637	Site Coding Sys--Original (NAACCR)	1	X		
638	Site Coding Sys--Original, Date of Diagnosis (COC)	1	X		
639	Spanish/Hispanic Origin (SEER SPANORIG)	1	X	X	
640	Summ Stg 2000, Site, Hist ICDO3, Class (NAACCR)	1	X		
641	Summary Stage 1977 (NAACCR)	1	X		
642	Summary Stage 2000 (NAACCR)	1	X		
643	Summary Stage 2000, Primary Site-Ed 6, ICDO3 (COC)	1	X		
644	Surgery, Rad, Surg/Rad Seq (COC)	1	X	X	
645	Surgery, Reason No Surg (COC)	1	X		
646	Surgery, RX Date--Surgery, ICDO2 (COC)	1	X		
647	Surgery, RX Date--Surgery, ICDO3 (COC)	1	X		
648	Surgically Treated Nonmetastatic Colon Canc (Clin7)				X
649	Surgically Treated Nonmetastatic Colon Cancer(Cln6)				X
650	Systemic RX, Surgery, Systemic/Sur Seq (COC)	1	X	X	
651	Systemic Treatment with Breast Surgery (Clin7)				X
652	Systemic Treatment with Breast Surgery (Clin6)				X
653	TNM Clin Descriptor (COC)	1	X		
654	TNM Clin M (COC)	1	X	X	
655	TNM Clin N (COC)	1	X	X	
656	TNM Clin Stage Group (COC)	1	X	X	
657	TNM Clin Stage Group, TNM Items, ICDO3 (COC)	1	X		
658	TNM Clin Stage Group, TNM Path Stage Group (COC)	1	X	X	
659	TNM Clin Staged By (COC)	1	X		
660	TNM Clin T (COC)	1	X	X	
661	TNM Edition Number (COC)	1	X	X	

	A	B	C	D	E
1	Edit Name	Score	NCDB_22_v 121	RQRS -- Submission Edits	Clinical Checks
662	TNM Edition Number, Date of Diagnosis (COC)	1	X	X	
663	TNM Edition Number, No AJCC Ed 5 Scheme,ICDO3(COC)	1	X		
664	TNM Edition Number, No AJCC Ed 6 Scheme,ICDO3(COC)	1	X	X	
665	TNM Edition, TNM Clin Stage, TNM Path Stage (COC)	1	X	X	
666	TNM Path Descriptor (COC)	1	X		
667	TNM Path M (COC)	1	X	X	
668	TNM Path N (COC)	1	X	X	
669	TNM Path Stage Group (COC)	1	X	X	
670	TNM Path Stage Group, TNM Items, ICDO3 (COC)	1	X		
671	TNM Path Staged By (COC)	1	X		
672	TNM Path Staged By, Date of Diagnosis (COC)	1	X		
673	TNM Path T (COC)	1	X	X	
674	Tumor Marker 1 (SEER TUMMARK1)	1	X		
675	Tumor Marker 1, Primary Site, Morph ICDO2 (COC)	1	X		
676	Tumor Marker 1, Primary Site, Morph ICDO3 (COC)	1	X		
677	Tumor Marker 2 (SEER TUMMARK2)	1	X		
678	Tumor Marker 2, Primary Site (COC)	1	X		
679	Tumor Marker 3 (SEER TUMMARK3)	1	X		
680	Tumor Marker 3, Primary Site (COC)	1	X		
681	Verify CStage Version 0203xx (NCDB)	200	X	X	
682	Vital Status (COC)	1	X	X	
683					