

# NAACCR Data Standards and Data Dictionary

The North American Association of Central Cancer Registries (NAACCR) is an organization promoting the quality and use of cancer registry data. The formal mission statement is as follows: *“The North American Association of Central Cancer Registries, Inc. (NAACCR, Inc.) is a professional organization that develops and promotes uniform data standards for cancer registration; provides education and training; certifies population-based registries; aggregates and publishes data from central cancer registries; and promotes the use of cancer surveillance data and systems for cancer control and epidemiologic research, public health programs, and patient care to reduce the burden of cancer in North America.”* To ensure consistent and quality data across registries, NAACCR provides data standards, aggregate data sets, and a corresponding data dictionary for all central cancer registries. The Data Dictionary and a detailed description of its contents are available on the NAACCR website at <https://apps.naacr.org/data-dictionary>. Alternatively, the Dictionary can be found by navigating from the NAACCR home page: [Home \(naacr.org\)](#) > Research & Analytic Tools > Other Resources > Data Standards and Data Dictionary.

Most of the data items needed for an analysis are described in the dictionary. Before beginning an analysis, look through the Data Dictionary to become familiar with its layout and the data items available. It is helpful to bookmark the Data Dictionary for easy access.

New versions of the Data Standards and Data Dictionary are released annually in June. In most cases, you will want to enter the latest version of the Data Dictionary. The most current version aligns with the calendar year, but you might need to look at older versions depending upon when your data were extracted. To ensure you have access to all features, make sure you are logged in with your MyNAACCR credentials.

NAACCR North American Association of Central Cancer Registries

You are not logged in

Data Standards and Data Dictionary

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## The Data Standards and Data Dictionary

Intended for hospital and central cancer registries, programmers, and analysts. It provides detailed specifications and codes for each data item in the NAACCR data exchange record layout.

Watch a Demo →

### Data Dictionary

The NAACCR Data Standards and Data Dictionary content is developed collaboratively by standard setting agencies including the CDC NPCR, NCI SEER, American College of Surgeons, and the Canadian Council of Cancer Registries

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### IMPLEMENTATION TIMELINE

The NAACCR Standards Implementation Timeline provides deadlines to facilitate successful implementation of revisions to NAACCR Data Standards and Data Dictionary. Revisions to the standards include, but are not limited to, new data items, changes to existing data items, retiring data items, and updates to the standard setter requirements.

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### ABOUT THE DATA DICTIONARY

The NAACCR Data Standards and Data Dictionary is a reference to ensure uniform data collection and is intended for hospital and central cancer registries, cancer registry software vendors, public health researchers and data scientists/analysts.

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### CONTACT US

Have questions, or need more information? Reach out, we're happy to help!

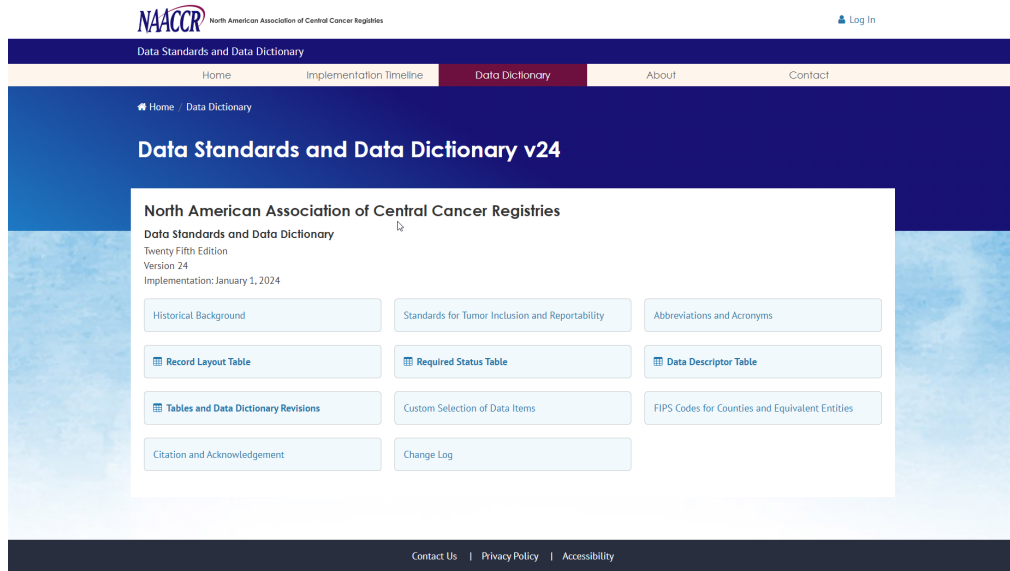
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VERSION 25

VERSION 24

VERSION 23

There are a number of menu options including: Historical Background, Standards for Tumor Inclusion and Reportability, Abbreviations and Acronyms, Record Layout Table, Required Status Table, Data Descriptor Table, Tables and Data Dictionary Revisions, Custom Selection of Data Items, FIPS Codes for Counties and Equivalent Entities, Citation and Acknowledgement, and Change Log.



It is important to be familiar with all menu items offered on this page. For the data item definitions, you will need to select one of the tables, depending on your needs and preferences. Two tables analysts often use are the Record Layout Table and the Required Status Table. In the Record Layout Table, the data items appear listed as they appear in the XML data set. There is a search bar to enter in a specific data item name.

Item #	Item Name	XML NAACCR ID	Parent XML Element	NPCR Collect	Coc Collect	SFFR Collect	Other Attributes
1	10	Record Type	recordType	NaaccrData	Record ID	No	
1	30	Registry Type	registryType	NaaccrData	Record ID	No	
1	86	Geocoding Quality Code	geocodingQualityCode	Tumor	Demographic	New	No
1	120	Census Cod Sys 1970/80/90	censusCodSys19708090	Tumor	Demographic	No	No
1	145	Census Tr Poverty Indictr	censusTrPovertyIndictr	Tumor	Demographic	No	No
1	150	Marital Status at DX	maritalStatusAtDx	Tumor	Demographic	No	No
1	170	Race Coding Sys--Current	raceCodingSysCurrent	Patient	Demographic	No	No
1	180	Race Coding Sys--Original	raceCodingSysOriginal	Patient	Demographic	No	No
1	190	Spanish/Hispanic Origin	spanishHispanicOrigin	Patient	Demographic	No	No
1	191	NHIA Derived Hisp Origin	nhiaDerivedHispOrigin	Patient	Demographic	No	No
1	192	IHS Link	ihsLink	Patient	Demographic	No	No
1	194	IHS Purchased/Referred Care Delivery Area	ihsPurchRefCareDeliveryArea	Tumor	Demographic	No	No
1	200	Computed Ethnicity	computedEthnicity	Patient	Demographic	No	No
1	210	Computed Ethnicity Source	computedEthnicitySource	Patient	Demographic	No	No
1	220	Sex	sex	Patient	Demographic	No	No
1	284	Urban/Indian Organization (UIO)	urbanIndianHealthOrganization	Tumor	Demographic	Revised	No

You can also click on the Display tab to select columns to display, and check or uncheck the desired column names. The results can then be exported to a .csv, .pdf, or .xml file. The Record Layout Table will output all the Data Dictionary items. Alternatively, you can choose Custom Selection of Data Items. If you prefer to have a standard limited data set for researchers, this could serve as a basis for the researcher data dictionary. You select the data items to add individually.

**Data Standards and Data Dictionary v24** Show/Hide Panel

- Historical Background
- Standards for Tumor Inclusion and Reportability
- Abbreviations and Acronyms
- Record Layout Table
- Required Status Table
- Data Descriptor Table
- Tables and Data Dictionary Revisions
- Custom Selection of Data Items**
- FIPS Codes for Counties and Equivalent Entities
- Citation and Acknowledgement
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Search Display ☰

Keywords ?

Item #  
 Item Name  
 XML NAACCR ID  
 Parent XML Element  
 NPCR Collect  
 CoC Collect  
 SEER Collect  
 CCCR Collect  
 Section Name  
 Source of Standard  
 Year of Implementation  
 Data Dictionary Version

**Custom Selection of Data Items**

The table below provides users with the ability to select specific data items and store them in a cart. To place a data item in the cart, check the appropriate box in the "Selected for Export" column. Once the checkbox is checked, the data item is automatically added to the cart and the number of data items the cart contains is updated. The number of data items in the cart is displayed in the upper right-hand corner of the data view. The contents of the cart will only be retained if you are logged in (using your MyNAACCR credentials).

To view the contents of the cart, click on the "Checkout" link in the upper right-hand corner. Once the contents of the cart are displayed, you can do the following:

- Export the contents:** Use the "Export Results" to export the data items in the cart to PDF, CSV, or XML.
- Clear the Cart:** To clear the cart, click the "Clear Cart" button
- Return to the Main Search:** To return to the main search and add more items to the cart, click the "Return to Search" button.

Found 783 results in 20 milliseconds – Export Results

Select data items to export. View 0 Selected Data Item(s)

Items to Export	Length	Item #	Item Name	XML NAACCR ID	Parent XML Element	Section Name	Retired
<input type="checkbox"/>	1	10	Record Type	recordType	NaaccrData	Record ID	No
<input type="checkbox"/>	1	30	Registry Type	registryType	NaaccrData	Record ID	No
<input type="checkbox"/>	1	86	Geocoding Quality Code	geocodingQualityCode	Tumor	Demographic	No
<input type="checkbox"/>	1	120	Census Cod Sys 1970/80/90	censusCodSys19708090	Tumor	Demographic	No
<input type="checkbox"/>	1	145	Census Tr Poverty Indictcr	censusTrPovertyIndictcr	Tumor	Demographic	No
<input type="checkbox"/>	1	150	Marital Status at DX	maritalStatusAtDx	Tumor	Demographic	No
<input type="checkbox"/>	1	170	Race Coding Sys--Current	raceCodingSysCurrent	Patient	Demographic	No
<input type="checkbox"/>	1	180	Race Coding Sys--Original	raceCodingSysOriginal	Patient	Demographic	No
<input type="checkbox"/>	1	190	Spanish/Hispanic Origin	spanishHispanicOrigin	Patient	Demographic	No
<input type="checkbox"/>	1	191	NHIA Derived Hisp Origin	nhiaDerivedHispOrigin	Patient	Demographic	No
<input type="checkbox"/>	1	192	IHS Link	ihsLink	Patient	Demographic	No
<input type="checkbox"/>	1	194	IHS Purchased/Referred Care Delivery	ihsPurchReffCareDeliveryArea	Tumor	Demographic	No

For each item, there are important features to note before using the data item for analysis. The “Year Implemented” is important when analyzing data across years. To capture certain aspects of the cancer, such as stage at diagnosis, you may need to combine data items, depending on the years of interest. Information on the years for which a data item is available can sometimes be found in different parts of the Dictionary. The “Description” of the item is another important feature of the Dictionary. The description gives the data item definition and can contain information on the years in which the data item is applicable. The “Rationale” provides a brief description on why that data item is collected and can also contain information on the best years to apply the data item. The “Codes” section contains the valid values for the data item and the corresponding description, or a link to the source manual for the codes.

It is also helpful to use the Required Status Table in conjunction with the Data Dictionary. The Required Status Table summarizes the requirements and recommendations for collection of each data item by standard-setting groups including National Program of Cancer Registries (NPCR), Commission on Cancer (CoC), Surveillance, Epidemiology, and End Results (SEER) Program, and Canadian Council of Cancer Registries (CCCR). Not every data item in the Data Dictionary is required by all the standard-setters.

Another often used table is the Data Descriptor Table, which includes the list of allowable codes. However, when you click on a data item, regardless of table, you will get all detailed information for that data item.

An instructional video is also available on the NAACCR website: [Data Dictionary Overview - Zoom](#).