

Specifications for Program to Convert Records from NAACCR Record Layout Version 15 to Version 16

February 12, 2016

INTRODUCTION

These specifications are designed to cover all conversions as described in NAACCR's *2016 Implementation Guidelines and Recommendations* (January 2016) and listed below. The section of that document where each of these conversions is described is indicated.

- Record Layout Change – Lengthen, relocate, and Convert TNM Clin Staged By [990] and TNM Path Staged By [930] (Section 10)
- Convert AJCC T, N, and M (940, 950, 960, 880, 890, and 900) for historical data (Section 12, C.2)
- Add new County geocode data items, Rural Urban Continuum 2013, and data items related to stage transition (section 2).
- Record Layout Changes for Reserved Data Items.
- Set NAACCR Record Version [item 50, columns 17–19] to “160” (section 8.2).

NOTE: It is strongly recommended that appropriate standard v15 edits be run on the data before conversion and that v16 edits be run on post-converted data.

CDC will be releasing a conversion program, Northcon 16, which can be used to convert records in NAACCR file format 15. Northcon 16 will produce a log of conversion activity.

CONVERSION SPECIFICATIONS

NOTE: For all data items and values other than those specified below, copy existing value.

Conversion of TNM Clin Staged By [990] and TNM Path Staged By [930]

Part 1: Lengthen TNM Clin Staged By and TNM Path Staged By and Relocate Within NAACCR Layout

Lengthen TNM Clin Staged By [990] and TNM Path Staged By [930] from one character to two. Relocate the items to previously unused space in the NAACCR layout: TNM Clin Staged By [990] from column 975–975 to columns 836–837 and TNM Path Staged By [930] from column 957–957 to columns 834–835.

Part 2: Convert TNM Clin Staged By and TNM Path Staged By Codes

The following conversion tables are designed to expand the one-character codes formerly assigned to the TNM Clin Staged By and TNM Path Staged By data items to two-character codes for the expanded length.

Table 1.a shows the conversion for the one-character codes 0–8 and blank.

Table 1.a. TNM Clin Staged By, TNM Path Staged By Code Conversion	
TNM Clin Staged By and TNM Path Staged By (version 15)	Convert TNM Clin Staged By and TNM Path Staged By (version 16)
0	00
1	10
2	14
3	15
4	10
5	20
6	30
7	50
8	88
One blank character	Two blank characters

Tables 1.b.1 and 1.b.2 show the conversions for one-character code 9 using the related TNM T, N, M, and Stage Group values.

Table 1.b.1. Conversion for Code 9, TNM Clin Staged By [990]				
If v15 TNM Clin Staged By = 9 and all of the T, N, M, and stage group values are as shown				Then convert to v16 TNM Clin Staged By
TNM Clin T (Version 15) =	TNM Clin N (Version 15) =	TNM Clin M (Version 15) =	TNM Clin Stage Group (Version 15) =	
Blank	Blank	Blank	Blank	00
X	X	X	99	00
88	88	88	88	88

Table 1.b.2. Conversion for Code 9, TNM Path Staged By [930]				
If v15 TNM Path Staged By = 9 and all of the T, N, M, and stage group values are as shown				Then convert to v16 TNM Path Staged By
TNM Path T (Version 15) =	TNM Path N (Version 15) =	TNM Path M (Version 15) =	TNM Path Stage Group (Version 15) =	
Blank	Blank	Blank	Blank	00
X	X	X	99	00
88	88	88	88	88

Convert all remaining cases with TNM Clin Staged By and TNM Path Staged By = 9 to 99.

For values other than 0–9 or blank in TNM Clin Staged By or TNM Path Staged By, copy the existing value, right-justify, and blank fill.

NOTE 1: The conversions for TNM Clin Staged By and TNM Path Staged By apply to all cases regardless of Date of Diagnosis [390].

NOTE 2: The conversions for TNM Clin Staged By and TNM Path Staged By must be completed before the conversion of AJCC T, N, and M data items to add c and p indicators below.

Conversion of AJCC T, N, and M data items [940, 950, 960, 880, 890, and 900] for pre-2016 data (adding c and p prefix indicators to T, N, and M data items)

Add a preference for conversion, since not all standard setters will convert pre-2016 data. The COC is requiring conversion for pre-2016; however, NPCR and SEER are not. The preference options are:

- Convert AJCC T, N, and M data items pre-2016 (set as default option).
- Do not convert AJCC T, N, and M data items pre-2016 (this option will be used for Registry Plus and most central registries using CRS Plus).

Conversion for Records with Date of Diagnosis [390] Prior to 2016

1. Add prefix “c” to any existing clinical T (except A, IS, ISPU, ISPD, SU, SD), N, and M value; do not prefix blank or 88.
2. Add prefix “p” to any existing pathologic T (except ISPU, ISPD, SU, SD), N, and M value; do not prefix blank or 88.
3. For **clinical T [940]**:
 - a. Revise the following values:
 - i. A to pA.
 - ii. IS to pIS.
 - iii. ISPU to pISU.
 - iv. ISPD to pISD.
 - v. SU to pISU.
 - vi. SD to pISD.
4. For **pathologic T [880]**:
 - a. Revise the following values:
 - i. ISPU to pISU.
 - ii. ISPD to pISD.
 - iii. SU to pISU.
 - iv. SD to pISD.

Note: SU and SD were valid for 5th and 6th editions of AJCC.

The AJCC T, N, and M data items and locations are specified in Table 2 below.

Table 2. AJCC T, N, and M Conversions--Data Items Affected			
Item Number	Column Positions	NAACCR Data Item Name	FieldName in Registry Plus
880	940–943	TNM Path T	AJCCTPath
890	944–947	TNM Path N	AJCCNPath
900	948–951	TNM Path M	AJCCMPath
940	958–961	TNM Clin T	AJCTClin
950	962–965	TNM Clin N	AJCCNClin
960	966–969	TNM Clin M	AJCCMClin

NOTE: The conversions for AJCC T, N, and M data items apply only to cases diagnosed prior to 2016. If year of date of diagnosis is blank (unknown) or 2016, the T, N, and M conversion will not be performed in Northcon.

New Data Items

Five new data items listed in Table 3 below are being added to the NAACCR v16 layout in the formerly unused area called Reserved 02. These new items should be set to blanks in the converted record.

Twenty-five new staging data items listed in Table 3 below are being added to the NAACCR v16 layout in the formerly unused area called Reserved 04. These new items should be set to blanks in the converted record.

Table 3. New Data Items			
Data Item Name	Item Number	Length	Columns
Formerly Reserved 02			
County at DX Geocode 1990	94	3	464–466
County at DX Geocode 2000	95	3	467–469
County at DX Geocode 2010	96	3	470–472
County at DX Geocode 2020	97	3	473–475
RuralUrban Continuum 2013	3312	2	476–477
Formerly Reserved 04			
Mets at DX-Bone	1112	1	838–838
Mets at DX-Brain	1113	1	839–839
Mets at DX-Distant LN	1114	1	840–840
Mets at DX-Liver	1115	1	841–841
Mets at DX-Lung	1116	1	842–842
Mets at DX-Other	1117	1	843–843
Tumor Size Clinical	752	3	844–846
Tumor Size Pathologic	754	3	847–849
Tumor Size Summary	756	3	850–852
Derived SEER Path Stg Grp	3605	5	853–857
Derived SEER Clin Stg Grp	3610	5	858–862
Derived SEER Cmb Stg Grp	3614	5	863–867
Derived SEER Combined T	3616	5	868–872
Derived SEER Combined N	3618	5	873–877
Derived SEER Combined M	3620	5	878–882
Derived SEER Cmb T Src	3622	1	883–883
Derived SEER Cmb N Src	3624	1	884–884
Derived SEER Cmb M Src	3626	1	885–885
SEER Primary Tumor	772	3	886–888
SEER Regional Nodes	774	3	889–891
SEER Mets	776	2	892–893
Derived SS2017	762	1	894–894
Directly Assigned SS2017	764	1	895–895
NPCR Derived Clin Stg Grp	3650	4	896–899
NPCR Derived Path Stg Grp	3655	4	900–903

NOTE: Any non-standard data stored in columns 464–477 and 838–903 will be overwritten during the conversion.

Record Layout Changes for Reserved Data Items

Reserved 02 [370]

- Length changed from 64 (v15) to 50 (v16).
- Record layout positions changed from 464–527 (v15) to 478–527 (v16).

Reserved 04 [750]

- Length changed from 100 (v15) to 30 (v16).
- Record layout positions changed from 804–903 (v15) to 804–833 (v16).

Added Reserved 19 [2162] in v16 (formerly TNM Path Staged By [930] in v15).

- Length 1.
- Record layout positions 957–957.
- Initialize to blank (space).

Added Reserved 20 [2163] in v16 (formerly TNM Clin Staged By [990] in v15).

- Length 1.
- Record layout positions 975–975.
- Initialize to blank (space).

NAACCR Record Version

Set NAACCR Record Version [item 50, columns 17–19] to “160”.