3/20/15

# Specifications for Program to Convert Records from NAACCR Record Layout Version 14 to Version 15

## Introduction

These specifications are designed to cover all conversions as described in NAACCR's "2015 Implementation Guidelines and Recommendations"(October 2014 with hematopoietic conversion specifications released 1/9/15) and listed below. The section of that document where each of these conversions is described is indicated.

* Convert country codes (section 3.5)
* Convert histology, site, grade, surgery, and CS codes for selected hematopoietic diseases diagnosed in 2010 and later and list some of these cases for review (section 4.1)
* Convert grade for prostate cases diagnosed in 2014 and later when coded grade is inconsistent with the Gleason values coded in CS Site-Specific Factors 8 and 10
* Add new survival data items (section 2.1)
* Convert updated ICD-O-3 histology codes (section 4.2.1)
* Set NAACCR Record Version [item 50, col. 17-19] to '150' (section 3.6)

The CS v0205 calculation algorithms must be run post-conversion to re-derive and store stage values because some hematopoietic diseases changed CS schema.

***NOTE:* Re-derivation of stage from CS should be applied only to cases where the hematopoietic conversion changes the CS schema and the item Over-ride CS 20 is not equal to '1'.**

It is strongly recommended that appropriate standard v14 edits be run on the data before conversion and that v15 edits be run on post-converted data.

CDC will be releasing a conversion program, Northcon 15, which can be used to convert records in NAACCR file format 14. Northcon 15 will produce a log of conversion activity and a list of records with hematopoietic diseases that are recommended for manual review. The program can be configured to run the CS calculations.

## Conversion Specifications

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

### Country Code Conversions

The codes for the former countries of Czechoslovakia and Yugoslavia are being converted from inactive codes to active codes. Discrepancies were discovered in published NAACCR country code lists, with incorrect codes for Brunei (should be BRN and not BND), Slovakia (SVK and not SWK), and Vanuatu (VUT and not VLT). These codes may have been used in any of five data items. Convert the codes as shown in Table 1a below wherever they appear in the items specified in Table 1b.

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| **Table 1a. Country Code Conversions-- Codes Affected** |
| **Country Name** | **Old Code** | **Convert to** |
| Brunei | BND | BRN |
| Czechoslovakia | XCZ | CSK |
| Slovakia | SWK | SVK |
| Vanuatu | VLT | VUT |
| Yugoslavia | XYG | YUG |

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| **Table 1b. Country Code Conversions-- Data Items Affected** |
| **Item #**  | **Column Positions** | **NAACCR Data Item Name** | **FieldName in Registry Plus** |
| 102  | 436-438 | Addr at DX--Country  | DXCountry |
| 254  | 444-446 | Birthplace--Country  | BPCountry |
| 1832  | 439-441 | Addr Current--Country  | CurrCountry |
| 1847  | 447-449 | FollowUp Contact--Country  | FupContCountry |
| 1944  | 452-454 | Place of Death--Country  | DthPlaceCountry |

### Hematopoietic Diseases Conversion

SEER provided the original specifications for these conversions as a step-wise process, since conversion of a data item may depend on conversion of a different item. For purposes of the Northcon program, which converts one record at a time, the specs have been re-formatted to allow all applicable conversions for a record to be made in the same step. The Northcon specifications are provided in a separate spreadsheet. See the original document for background and rationale for the changes and instructions for manual review.

The conversion program should provide a log of data values converted and also a report of cases requiring manual review, which should list the post-conversion ICD-O-3 primary site and histologic type codes.

***NOTE:* The conversions for hematopoietic diseases apply only to cases diagnosed in 2010 and later and to cases with Behavior Code ICD-O-3 [523] of '3'. If year of date of diagnosis is blank (unknown) the hematopoietic conversion will not be performed in Northcon.**

### Prostate Grade Conversion

Coding instructions for Grade [440] were modified for cases diagnosed in 2014 and later. Under those instructions, and according to an edit added to the v15 metafile, the Grade code for prostate cancers should be consistent with the codes for Gleason score as coded in CS Site-Specific Factors 8 and 10. A conversion has been implemented to save registries the task of correcting grade errors manually. Table 2 shows the conditions being converted.

***NOTE:* The conversion for prostate grade applies only to cases meeting the CS schema definition of Prostate and diagnosed in 2014 and later. If year of date of diagnosis is blank (unknown) the prostate grade conversion will not be performed in Northcon.**

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| **Table 2. Prostate Grade Conversion** |
| **Current Grade Code**  | **SSF8 Code** | **SSF10 Code**  | **Convert Grade to** |
| Not 1 | 002-006 | 002-006, 998, 999 | 1 |
| Not 1 | 998, 999 | 002-006 | 1 |
| Not 2 | 002-006 | 007 | 2 |
| Not 2 | 007 | 002-007, 998, 999 | 2 |
| Not 2 | 998, 999 | 007 | 2 |
| Not 3 | 002-006 | 008-010 | 3 |
| Not 3 | 007 | 008-010 | 3 |
| Not 3 | 008-010 | 002-010, 998, 999 | 3 |
| Not 3 | 998, 999 | 008-010 | 3 |

### New Data Items

Seven new data items listed in Table 3 below are being added to the NAACCR v15 layout in the formerly unused area called Reserved 09. These new items should be set to blanks in the converted record.

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| **Table 3. New Data Items** |
| **Data Item Name**  | **Item #** | **Length** | **Columns** |
| Surv-Date Active Followup  | 1782 | 8 | 2292-2299  |
| Surv-Flag Active Followup  | 1783 | 1 | 2300-2300  |
| Surv-Mos Active Followup  | 1784 | 4 | 2301-2304  |
| Surv-Date Presumed Alive  | 1785 | 8 | 2305-2312  |
| Surv-Flag Presumed Alive  | 1786 | 1 | 2313-2313  |
| Surv-Mos Presumed Alive  | 1787 | 4 | 2314-2317  |
| Surv-Date DX Recode  | 1788 | 8 | 2318-2325  |

***NOTE:* Any non-standard data stored in col. 2292-2325 will be over-written during the conversion.**

### Convert Other ICD-O-3 Histologic Type Codes

If a record meets the condition shown in the first four columns of Table 4 below, perform the conversion indicated in the last column.

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| **Table 4. ICD-O-3 Histologic Type Conversions** |
| **Histologic Type ICD-O-3 [522]** | **Behavior Code ICD-O-3 [523]** | **Primary Site [400]** | **Year of Diagnosis** | **Conversion** |
| 8157 | 1 | Any | Any | Convert Histologic Type ICD-O-3 to 8152 |
| 8157 | 3 | Any | Any | Convert Histologic Type ICD-O-3 to 8152 |

### NAACCR Record Version

Set NAACCR Record Version [item 50, col. 17-19] to '150'