

**Considerations in Applying the February 15<sup>th</sup>, April 19<sup>th</sup>, and May 12<sup>th</sup> Updates  
To the CS Conversions for CSv0203  
May 13, 2011**

Implementation of Collaborative Stage version 2 requires data conversions and updates from prior releases of Collaborative Stage. The CS Task Force has provided two conversion programs which translate case data:

- Convert case data originally collected under CSv1 to CSv2 version 02.02 standards
- Converts case data coded to CSv2 version 02.02 standards to CSv2 version 02.03 standards

The data conversion specifications from CS version 02.02 to version 02.03 were originally posted on the CS web site in December 2010. Since that time the conversion specifications have been updated to address specific issues. Revised conversion specifications were posted on February 15<sup>th</sup>, April 19<sup>th</sup>, and again on May 12, 2011.

Facilities that have created their own conversion program using the Collaborative Stage Conversion Specifications posted in December 2010, February 2011, or April 2011 may need to apply the revised conversion specifications to their data. The following sections address the main changes and the fact that some cases that have been previously converted will require additional review or conversion. Please note that it is strongly recommended that you obtain all of the conversion documents and review all the specifications to verify that your conversion program has been updated accurately.

**Conversion Specification Update: February 15, 2011**

The conversion specifications were updated to remove many cases that were previously marked as requiring hand-review. The following categories do NOT require hand-review:

- MyelomaPlasmaCellDisorder  
There is no need to review MyelomaPlasmaCellDisorder cases that were diagnosed prior to 1/1/2011.
- All GIST and NET schemas  
The following CS Tumor Size codes do not require a hand-review: 011, 021, 051, 101, and 999.

The cases for review were expanded to include:

- Testis  
Expanded the values in SSF-11 used to select review cases to include code 988 with year of diagnosis of 2010 and CS Version Input Original less than 020000.

Other conversion updates:

- CS Site-Specific Factors 7-24

If blank and year of Date of Diagnosis 2004+, convert to 988, else copy existing value. Note that the values may change when the spreadsheet conversions are applied.

- **CS Site-Specific Factors 1-6**

For Prostate schema SSF-3, MelanomaSkin SSF-1, and Retinoblastoma SSF-1, if blank, copy existing value. (See further discussion in the conversion pdf link below.) For all other schemas and SSFs 1-6, if blank and year of Date of Diagnosis 2004+, convert to 988, else if not blank, copy existing value. Note that the values may change when the spreadsheet conversions are applied.

Please consult the updates which were posted on Feb 15, 2011 for further details. It is highly recommended that these be read and understood before designing or updating a conversion program:

February 15, 2011 Conversion Specifications PDF Link:

<http://www.cancerstaging.org/cstage/software/conversionspecsto0203.pdf>

February 15, 2011 Conversion Specifications Spreadsheet Link:

<http://www.cancerstaging.org/cstage/software/conversionspecsto0203.xls>

**Conversion Specification Update: April 19, 2011**

If your conversion program uses only the CSv0203 DLL to determine the schema, there may be a problem that some cases were not converted. Certain Site-Specific Factor (SSF) 25 codes in CS version 02.03 are now obsolete and the associated Collaborative Stage DLL will not identify a schema for any record containing these obsolete SSF-25 values. This problem is limited to obsolete SSF 25 codes in the following schemas:

- EsophagusGEJunction
- Stomach
- LacrimalGland
- LacrimalSac

The following table identifies the primary site, ICD-O-3 histology, and SSF 25 combinations that need to be converted PRIOR to using the Version 02.03 DLL to identify the schema.

Site	Histology	CSV0202 SSF25 code, obsolete in CS V0203	SSF25 code converted to in CS V0203
C161, C162 [EsophagusGEJunction or Stomach]	8000-8152, 8154-8231, 8243-8245, 8247, 8248, 8250-8934, 8940-9136, 9141-9582, 9700-9701	050 – Stomach	000 – Stomach

C695 [LacrimalGland or LacrimalSac]	8000-8713, 8800-9136, 9141-9508, 9520-9582, 9700-9701	010 – Lacrimal Gland  (Lacrimal Duct)	015 – Lacrimal Gland  (All CS codes subject to manual review after conversion)
C695 [LacrimalGland or LacrimalSac]	8000-8713, 8800-9136, 9141-9508, 9520-9582, 9700-9701	020 – Lacrimal Sac	025 – Lacrimal Sac (Lacrimal Duct)

CS V0202 SSF25 code 050 for EsophagusGEJunction/Stomach and CS V0202 SSF25 code 020 for LacrimalGland/LacrimalSac are marked as OBSOLETE DATA CONVERTED V0203. The schema assignment does not change when these codes are converted. Cases need no further review based on the change in the SSF25 code.

CS V0202 SSF25 code 010 for LacrimalGland/LacrimalSac is marked as OBSOLETE DATA REVIEWED V0203. Code 015 is included on the OBSOLETE Changed spreadsheet with review instructions; the conversion program needs to flag for manual review all cases with CS SSF 25 code 015. Upon manual review after conversion, SSF25 code 015 must be manually recoded to 025 for any lacrimal duct cases that were originally coded in the LacrimalGland schema. All CS codes must be reviewed and recoded for any case that is manually reassigned from the LacrimalGland to the LacrimalSac schema after the conversion program has been run.

For future case data record conversions:

It is recommended that your conversion program change the specified SSF-25 values (specified in the previous table) prior to any conversion or CStage DLL reference. This conversion must be performed BEFORE the schema-based conversions in the spreadsheets, as the CSV0202 codes return ERROR in the CSV0203 DLL and prevent the selection of a CS schema for the cases.

For case data records you have previously converted:

If you have already converted your data, depending on how you performed your conversion, you might not have any problems with the cases specified above. In order to verify this, you first need to identify the cases and see if the SSF-25 value has been converted correctly. If you created your conversion program to use the version 02.03 DLL to identify the schema, you

probably did not convert these cases (because no schema could be identified for them). A search of your data for cases with CS Version Input Current less than 020300, year of diagnosis 2004+, and the above site/histology/SSF-25 combinations will identify the records needing manual review and/or conversion.

Once these cases have been identified, please perform the following steps:

1. Review each case and convert the SSF-25 value
2. Send each case through your updated conversion program

Please consult the updates which were posted on April 19, 2011 for further details. It is highly recommended that these be read and understood before designing or updating a conversion program:

April 19, 2011 Conversion Specifications PDF Link:

<http://www.cancerstaging.org/cstage/software/conversionspecsto0203-041911.pdf>

April 19, 2011 Conversion Specifications Spreadsheet Link:

<http://www.cancerstaging.org/cstage/software/conversionspecsto0203-041911.xls>

#### **Conversion Specification Update: May 12, 2011**

There were two updates made to the Conversion Specifications. The first was the addition of a statement clarifying that the schema names used in the Conversion Specifications document and associated spreadsheets are based on the definitions and schema names for CS V0203. The second update was made to entry number 5 in the section "About the Spreadsheet". Below is the updated section:

5. **OBSOLETE REVIEWED.** This sheet provides specifications for identifying cases for which review and recoding by a registrar is recommended. Columns A through E describe the codes needing review. The codes on this spreadsheet marked OBSOLETE DATA REVIEWED V0203 were new with CSv2. For codes on the spreadsheet marked OBSOLETE DATA RETAINED AND REVIEWED V0203 ~~or OBSOLETE DATA RETAINED V0203~~, review is only recommended for cases originally coded in CSv2 or diagnosed in 2010+. For codes on the spreadsheet marked OBSOLETE DATA RETAINED V0203, review is only recommended for cases diagnosed in 2011 + (this tag only appears on the fifth spreadsheet with MyelomaPlasmaCellDisorder, CS Extension). Columns F through K explain how to recode the cases once they have been identified. Columns L through U identify the AJCC and Summary Stage components that may be affected by the change in coding. Note that use of codes on this spreadsheet will derive stage values if not changed, but they will generate edit errors if used in new cases, if the metafile used by the registry includes the OBSOLETE edits. Edits applied may vary by registry and standard setter.

The conversion program should generate lists of the cases from this spreadsheet for which review is recommended, defined as follows:

- a. Tagged as OBSOLETE DATA REVIEWED V0203
- b. Tagged as OBSOLETE DATA RETAINED AND REVIEWED V0203 and ((CS Version Input Original greater than or equal to 020000) or (year of date of diagnosis = 2010 or later))
- c. Tagged as OBSOLETE DATA RETAINED V0203 and year of date of diagnosis = 2011 or later. [Note that this tag only appears on the fifth spreadsheet with MyelomaPlasmaCellDisorder, CS Extension codes.]

The decisions about which of the listed cases to review may be made by individual registries based on local interests, standard setter requirements, edits, and available resources.

Please consult the updates which are dated May 12, 2011 for further details. It is highly recommended that these be read and understood before designing or updating a conversion program:

May 12, 2011 Conversion Specifications PDF Link:

[http://www.cancerstaging.org/cstage/software/csv0203\\_conversion\\_specs\\_and\\_release\\_notes\\_rev\\_5\\_12\\_2011.pdf](http://www.cancerstaging.org/cstage/software/csv0203_conversion_specs_and_release_notes_rev_5_12_2011.pdf)