

## **1.1 Mapping Codes between ICD Editions**

For data analysis or other purposes, users may wish to convert (map) data coded and grouped using one ICD-10-AM edition to another edition for grouping under a different AR-DRG classification version.

Functionality allowing users to map diagnosis and procedure codes to another ICD-10-AM edition before grouping may be considered useful by users.

Tables for mapping between ICD-10-AM 6<sup>th</sup> edition and 7<sup>th</sup> edition, and 7<sup>th</sup> edition and 8<sup>th</sup> edition are provided with this specification.

### **1.1.1 Dagger and Asterisk Code Pairs**

The ICD-10-AM up to and including 7<sup>th</sup> edition included a convention regarding the ordering of aetiology/manifestation code pairs. These codes were represented by a dagger for the aetiology and an asterisk for the manifestation codes.

The convention was that the dagger (aetiology) code should always be coded before the asterisk (manifestation). However in ICD-10-AM 8<sup>th</sup> edition, this convention has been relaxed and the asterisk may now be coded before the dagger which may impact on the principal diagnosis selection.

This means the “manifestation as principal diagnosis” edit is no longer required when grouping to Version 7.0, although it should be retained for previous versions in order to maintain the grouping logic of that version.

To correctly group an input set of data that has been coded in ICD-10-AM 8<sup>th</sup> Edition to an AR-DRG version prior to Version 7.0, an additional step must be incorporated into the mapping process.

For records with a principal diagnosis of an asterisk code and an additional diagnosis of a dagger code, the role of these two codes must be swapped for grouping purposes; the dagger code must be used as the principal diagnosis and the asterisk code must be used as an additional diagnosis for grouping to previous AR-DRG versions.

```
if PDX is asterisk code (in dag_ast.txt)
  then search through additional diagnoses for a matching dagger code

if dagger asterisk code pair is found (with position of dagger being x)
  then, for grouping only, set GDX1 to dagger code and set GDXx as asterisk code
```

Note that some asterisk codes in dag\_ast.txt have multiple matching dagger codes. If this is the case for an asterisk principal diagnosis, swap the asterisk with the dagger code that appears first in the record.

### **1.1.2 Changes to Obstetric Coding**

Following the introduction of the ICD-10-AM 7th edition, it was found that some obstetrics separations coded in 7th edition, after being back mapped to the relevant ICD edition, were grouping incorrectly to an error DRG in AR-DRG versions 4.2 and 5.1.

A solution to this problem involves a conditional modification of the backwards maps from 7th to 6th edition codes, rather than changing the grouper logic. The mapping modification outlined below must be applied to ensure appropriate grouping of obstetric cases coded in the ICD-10-AM 7th or 8th editions when grouper versions prior to V6.0 are used.

1. **O83 (7th edition)**  
Backward map O83 (7<sup>th</sup> Edition) to O81 (6<sup>th</sup> Edition) (instead of O80).
2. **O80 (7th edition)**  
PDx of O80 (7<sup>th</sup> Edition) search Dx array for any other obstetric codes (A34, F53.x, Oxx.x).  
if any other obstetric codes (A34, F53.x, Oxx.x) found:  
then map PDx O80 (7<sup>th</sup> Edition) to O81 (6th Edition)  
else map PDx O80 (7<sup>th</sup> Edition) to O80 (6th Edition)
3. **O80 (7th edition)**  
Any secondary Dx of O80 (7<sup>th</sup> Edition) should map to O81 (6th Edition)

**Exception:** If PDx of (O80) (7<sup>th</sup>, 8th edition) and a secondary Dx of (O80) (7<sup>th</sup>, 8th edition) and no other obstetric codes in Dx array (A34, F53.x, Oxx.x) then instead of points 2 and 3 above, map PDx of (O80) to O80 (6th edition) and map SDx of (O80) to O80 (6th edition)