ICD-10 Update

(AUM)

Installation Guide and Release Notes

Version 20.0
October 2019

Office of Information Technology
Division of Information Technology
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Preface

This manual contains the installation guide for the Indian Health Service (IHS) International Classification of Diseases, 10th Revision, Clinical Modification and Procedure Coding System (ICD-10-CM/PCS), version 20.0.
1.0 Release Notes

This package will load new, modified, and invalid ICD-10 code updates for fiscal year (FY) 2020 for both diagnosis and operation/procedures codes. Additionally, the major diagnostic category and diagnostic related grouper codes have been updated to fiscal year 2020. This update will ensure users have access to current codes for accurate and compliant visit information, claims reimbursement, and reporting.

1.1 Description of Changes

The 2020 ICD-10-CM files below contain information on the ICD-10-CM updates for FY 2020. These 2020 ICD-10-CM codes are to be used for discharges occurring from October 1, 2019 through September 30, 2020 and for patient encounters occurring from October 1, 2019 through September 30, 2020.

The 2020 ICD-10 Procedure Coding System (ICD-10-PCS) files below contain information on the ICD-10-PCS updates for FY 2020. These 2020 ICD-10-PCS codes are to be used for discharges occurring from October 1, 2019 through September 30, 2020.

The 2020 Medicare Severity Diagnosis-Related Groups (MS-DRGs) files below contain information on the MS-DRGs Version 37.0 updates for FY 2020. This includes updates to the DRG file and Major Diagnostic Category files.

As of AUM v18.0, the POA EXEMPT field (#1.9) is updated with data from the Centers for Medicare & Medicaid Services (CMS) for future integration.

As of FY 2019, CMS has removed the designation of codes when the primary diagnosis is its own Complications and Comorbidities (CC) or Major Complications and Comorbidities (MCC).

As of FY 2020, CMS has updated the Maternity Age range in the Medicare Code Edits v37 to be 9–64 years inclusive. Previously this range was 12–55 years inclusive.

- 2020 ICD-10-CM and PCS:
  - 2020 ICD-10-CM
  - 2020 ICD-10 PCS
  - ICD-10-CM/PCS MS-DRG v37
  - Definitions of Medicare Code Edits v37
- ICD DIAGNOSIS File (#80):
  - .01 CODE NUMBER
  - 1.1 CODING SYSTEM
  - 1.3 UNACCEPTABLE AS PRINCIPAL DX
  - 1.9 POA EXEMPT
  - 10 SEX (Multiple-80.04)
    - .01 SEX EFFECTIVE DATE
    - 1 SEX
  - 11 AGE LOW (Multiple-80.011)
    - .01 AGE LOW EFFECTIVE DATE
    - 1 AGE LOW
  - 12 AGE HIGH (Multiple-80.012)
    - .01 AGE HIGH EFFECTIVE DATE
    - 1 AGE HIGH
  - 66 STATUS (Multiple-80.066)
    - .01 STATUS EFFECTIVE DATE
    - .02 STATUS
  - 67 DIAGNOSIS (Multiple-80.067)
    - .01 DIAGNOSIS EFFECTIVE DATE
    - 1 DIAGNOSIS
  - 68 DESCRIPTION (Multiple-80.068)
    - .01 DESCRIPTION EFFECTIVE DATE
    - 1 DESCRIPTION
  - 71 DRG GROUPER (Multiple-80.071)
    - .01 DRG GROUPER EFFECTIVE DATE
    - 1 DRG (Multiple-80.711)
      - .01 DRG
  - 72 MAJOR DIAGNOSTIC CATEGORY (Multiple-80.072)
    - .01 MDC EFFECTIVE DATE
    - 1 MDC
  - 103 COMPLICATION/COMORBIDITY (Multiple-80.0103)
    - .01 CC EFFECTIVE DATE
    - 1 COMPLICATION/COMORBIDITY
• 2 PRIMARY

• ICD OPERATION/PROCEDURE File (#80.1):
  - .01 CODE NUMBER
  - 1.1 CODING SYSTEM
  - 10 SEX (Multiple-80.11)
    • .01 SEX EFFECTIVE DATE
    • 1 SEX
  - 66 STATUS (Multiple-80.166)
    • .01 STATUS EFFECTIVE DATE
    • .02 STATUS
  - 67 OPERATION/PROCEDURE (Multiple-80.167),
    • .01 OPER/PROCEDURE EFFECTIVE DATE
    • 1 OPERATION/PROCEDURE
  - 68 DESCRIPTION (Multiple-80.168)
    • .01 DESCRIPTION EFFECTIVE DATE
    • 1 DESCRIPTION
  - 71 DRG GROUPER (Multiple-80.171)
    • .01 DRG GROUPER EFFECTIVE DATE
    • 1 MAJOR DIAGNOSTIC CATEGORIES (Multiple-80.1711)
      • .01 MAJOR DIAGNOSTIC CATEGORY
      • 1 DRG (Multiple-80.17111)
        • .01 DRG

• DRG File (#80.2):
  - .01 NAME
  - .06 SURGERY
  - 1 DESCRIPTION (Multiple-80.21)
    • .01 DESCRIPTION
  - 5 MDC#
  - 7 WEIGHT(nonAffil)
  - 10 AVG LENGTH OF STAY(days)
  - 14 ACTIVATION DATE
  - 15 INACTIVE
  - 16 INACTIVATION DATE
− 20 FISCAL YEAR WEIGHTS&TRIMS (Multiple-80.22)
  • 01 FISCAL YEAR WEIGHTS&TRIMS
    − 2.5 WEIGHT(nonAffil)
    − 4.5 AVG LENGTH OF STAY(days)
− 66 EFFECTIVE DATE (Multiple-80.266)
  • .01 EFFECTIVE DATE
  • .03 STATUS
  • .05 MDC#
  • .06 SURGERY
− 68 DESCRIPTION (VERSIONED) (Multiple-80.268)
  • .01 EFFECTIVE DATE
  • 1 DESCRIPTION (Multiple-80.2681)
    − .01 DESCRIPTION
− 999999901 HCFA/IHS WEIGHT
− 999999902 HCFA/IHS ARITH MEAN LOS
− 999999903 HCFA/IHS GEOM MEAN
• MAJOR DIAGNOSTIC CATEGORY File (#80.3):
  − .01 NAME
2.0 Installation Notes

Prefix: AUM
Current Version: 20.0

2.1 Contents of Distribution

Table 2-1: Contents of distribution — files and descriptions

<table>
<thead>
<tr>
<th>File</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>aum_2000.k</td>
<td>KIDS file to run the loading of the ICD10 code updates</td>
</tr>
<tr>
<td>aum_200i.pdf</td>
<td>Installation Guide and Release Notes (This document)</td>
</tr>
</tbody>
</table>

2.2 Required Resources

- XU v8.0 patch 1018 or higher
- DI v22.0 patch 1018 or higher
- AICD v4.0
- AUM v19.0 or higher
3.0 Installation Instructions

In all User Class Identifications (UCIs) requiring ICD 2020 updates and in all databases running at least AUM v 19.0:

1. Use the utility D ^%GOGEN to save the following Globals:
   - ^ICD9 – ICD Diagnosis codes
   - ^ICD0 – ICD Operation/Procedure codes
   - ^ICD – DRG codes
   - ^ICM – MDC codes

2. This release should be installed during off-peak hours.

3. Load the Distribution into KIDS using option 1 on the Installation menu. The distribution was released in a file named aum_2000.k.

4. Verify the load using option 2 on the Installation menu.

5. Consider using options 3 and 4 to print and compare the Transport.

6. Install the distribution using option 6 on the Installation menu. Consider using an un-tied terminal if answering YES to the “Inhibit Logons” and “Disabling Scheduled Options” prompts.

7. For results, use the KIDS Install File Print option to view and print the AUM 20.0 entry.
4.0 Sample Installations

The following subsection shows a sample installation. Screens may not be exactly the same during installation.

4.1 Sample Cache Install

```
D ^XUP

Setting up programmer environment
This is a PRODUCTION account.

Terminal Type set to: C-VT100

Select OPTION NAME: XPD MAIN       Kernel Installation & Distribution System
        Edits and Distribution ...
        Utilities ...
        Installation ...
        Patch Monitor Main Menu ...

Select Kernel Installation & Distribution System Option: INstallation

1  Load a Distribution
2  Verify Checksums in Transport Global
3  Print Transport Global
4  Compare Transport Global to Current System
5  Backup a Transport Global
6  Install Package(s)
       Restart Install of Package(s)
7  Unload a Distribution

Select Installation Option: 1  Load a Distribution
Enter a Host File: C:\Patches\AUM 20.0\aum_2000.k

KIDS Distribution saved on Aug 28, 2019@11:10:58
Comment: ICD10 FY2020 - 08/28/2019

This Distribution contains Transport Globals for the following Package(s):
   AUM 20.0
Distribution OK!

Want to Continue with Load? YES//
Loading Distribution...

Build AUM 20.0 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES//
   AUM 20.0
Will first run the Environment Check Routine, AUMI10

    Hello, SYSTEM MANAGER

    Checking Environment for ICD UPDATE V 20.0.

    Need at least AICD v4.0.....AICD v4.0 Present
```
Need at least AUM v19.0.....AUM v19.0 Present

ENVIRONMENT OK.

Enter RETURN to continue or '^' to exit:
Use INSTALL NAME: AUM 20.0 to install this Distribution.

1 Load a Distribution
2 Verify Checksums in Transport Global
3 Print Transport Global
4 Compare Transport Global to Current System
5 Backup a Transport Global
6 Install Package(s)
   Restart Install of Package(s)
Unload a Distribution

Select Installation Option: 6 Install Package(s)
Select INSTALL NAME: AUM 20.0 Loaded from Distribution
8/28/19@11:14:0

AUM 20.0
Checking Install for Package AUM 20.0
Will first run the Environment Check Routine, AUMI10

Hello, SYSTEM MANAGER
Checking Environment for ICD UPDATE V 20.0.

Need at least AICD v4.0.....AICD v4.0 Present
Need at least AUM v19.0.....AUM v19.0 Present

ENVIRONMENT OK.

Enter RETURN to continue or '^' to exit:

Install Questions for AUM 20.0

Incoming Files:

9003103 AUM DATA (including data)
Note: You already have the 'AUM DATA' File.
I will OVERWRITE your data with mine.

Want KIDS to INHIBIT LOGONs during the install? YES//

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME// Virtual

Install Started for AUM 20.0:
Aug 28, 2019@11:15:22

Build Distribution Date: Aug 28, 2019

Installing Routines:
Aug 28, 2019@11:15:22

Running Pre-Install Routine: PRE^AUMI10

Installing Data Dictionaries:
Aug 28, 2019@11:15:24

Installing Data:
Aug 28, 2019@11:16:13

Running Post-Install Routine: POST^AUMI10

-------------------
MAJOR DIAGNOSTIC CATEGORY FILE
MDC NAME
=== ====
MODIFIED.......5
NAME...........5
UNMODIFIED.....20
TOTAL..........25
-------------------

DRG FILE
DRG DESCRIPTION                                MDC SURG WEIGHT  LOS
=== ===========                                === ==== ======  ===
NEW............18
MODIFIED.......743
DESCRIPTION..92
LOS...........715
MDC...........19
STATUS.......21
SURGERY......16
WEIGHT.......743
TOTAL..........761
-------------------

ICD10 DIAGNOSIS FILE
CODE     STA SHORT LONG SEX MDC CC  OWN LOW HIGH DRG PDX POA
====     === ===== ==== === === ==  === === ==== === === ===
NEW............273
MODIFIED.......6566
AGE-H........2372
AGE-L........2372
CC...........18
DRG..........4147
LONG..........30
MDC..........13
PDX..........2
SHORT........24
INACTIVE.......21
UNMODIFIED.....87912
TOTAL..........94772
-------------------
ICD10 OPERATION/PROCEDURE FILE

<table>
<thead>
<tr>
<th>CODE</th>
<th>STA</th>
<th>SHORT</th>
<th>LONG</th>
<th>SEX</th>
<th>MS-DRG</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEW......</td>
<td>734</td>
<td>------</td>
<td>------</td>
<td>-----</td>
<td>--------</td>
</tr>
<tr>
<td>MODIFIED..</td>
<td>2000</td>
<td>------</td>
<td>------</td>
<td>-----</td>
<td>--------</td>
</tr>
<tr>
<td>DRG.......</td>
<td>1870</td>
<td>------</td>
<td>------</td>
<td>-----</td>
<td>--------</td>
</tr>
<tr>
<td>LONG.......</td>
<td>2</td>
<td>------</td>
<td>------</td>
<td>-----</td>
<td>--------</td>
</tr>
<tr>
<td>SHORT.....</td>
<td>130</td>
<td>------</td>
<td>------</td>
<td>-----</td>
<td>--------</td>
</tr>
<tr>
<td>INACTIVE...</td>
<td>2056</td>
<td>------</td>
<td>------</td>
<td>-----</td>
<td>--------</td>
</tr>
<tr>
<td>UNMODIFIED..</td>
<td>75705</td>
<td>------</td>
<td>------</td>
<td>-----</td>
<td>--------</td>
</tr>
<tr>
<td>TOTAL.......</td>
<td>80495</td>
<td>------</td>
<td>------</td>
<td>-----</td>
<td>--------</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Updating Routine file...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Updating KIDS files...</td>
</tr>
<tr>
<td>AUM 20.0 Installed. Aug 28, 2019@11:18:44</td>
</tr>
<tr>
<td>NO Install Message sent</td>
</tr>
<tr>
<td>Install Completed</td>
</tr>
</tbody>
</table>

Figure 4-1: Sample install
## Acronym List

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Term Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC</td>
<td>Complications and Comorbidities</td>
</tr>
<tr>
<td>CMS</td>
<td>Centers for Medicare &amp; Medicaid Services</td>
</tr>
<tr>
<td>FY</td>
<td>Fiscal Year</td>
</tr>
<tr>
<td>ICD-10-CM/PCS</td>
<td>International Classification of Diseases, 10th Revision, Clinical Modification and Procedure Coding System</td>
</tr>
<tr>
<td>IHS</td>
<td>Indian Health Service</td>
</tr>
<tr>
<td>MCC</td>
<td>Major Complications and Comorbidities</td>
</tr>
<tr>
<td>MS-DRGS</td>
<td>Medicare Severity Diagnosis-Related Groups</td>
</tr>
<tr>
<td>RPMS</td>
<td>Resource and Patient Management System</td>
</tr>
<tr>
<td>UCI</td>
<td>User Class Identification</td>
</tr>
</tbody>
</table>
Contact Information

If you have any questions or comments regarding this distribution, please contact the IHS IT Service Desk.

**Phone:** (888) 830-7280 (toll free)
**Web:** [https://www.ihs.gov/itsupport/](https://www.ihs.gov/itsupport/)
**Email:** itsupport@ihs.gov