



RESOURCE AND PATIENT MANAGEMENT SYSTEM

# ICD-10 Update

(AUM)

## Installation Guide and Release Notes

Version 21.0  
October 2020

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 21.0.

## 1.0 Release Notes

This package will load new, modified, and invalid ICD-10 code updates for fiscal year (FY) 2021 for both diagnosis and operation/procedures codes. Additionally, the major diagnostic category and diagnostic-related grouper codes have been updated to fiscal year 2021. 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 2021 ICD-10-CM files below contain information on the ICD-10-CM updates for FY 2021. These 2021 ICD-10-CM codes are to be used for discharges occurring from October 1, 2020 through September 30, 2021 and for patient encounters occurring from October 1, 2020 through September 30, 2021.

The 2021 ICD-10 Procedure Coding System (ICD-10-PCS) files below contain information on the ICD-10-PCS updates for FY 2021. These 2021 ICD-10-PCS codes are to be used for discharges occurring from October 1, 2020 through September 30, 2021.

The 2021 Medicare Severity Diagnosis-Related Groups (MS-DRG) files below contain information on the ICD-10 MS-DRG Grouper Logic Version 38.0 and Medicare Code Edits Version 38.0 updates and code lists effective for FY 2021.

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.

- 2021 ICD-10-CM and PCS:
  - 2021 ICD-10-CM  
(<https://www.cms.gov/medicare/icd-10/2021-icd-10-cm>)
  - 2021 ICD-10 PCS  
(<https://www.cms.gov/medicare/icd-10/2021-icd-10-pcs>)
  - ICD-10-CM/PCS MS-DRG v38.0  
([https://www.cms.gov/icd10m/version38-0-fullcode-cms/fullcode\\_cms/P0001.html](https://www.cms.gov/icd10m/version38-0-fullcode-cms/fullcode_cms/P0001.html))
  - Definitions of Medicare Code Edits v38.0

- 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

- 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:** 21.0

### 2.1 Contents of Distribution

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

File	Description
aum_2100.k	KIDS file to run the loading of the ICD-10 code updates
aum_210i.pdf	Installation Guide and Release Notes (this document)

### 2.2 Required Resources

- XU v8.0 patch 1018 or higher
- DI v22.0 patch 1018 or higher
- AICD v4.0
- AUM v20.0 or higher

## 3.0 Installation Instructions

In all User Class Identifications (UCIs) requiring ICD 2021 updates and in all databases running at least AUM v20.0:

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\_2100.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.

**Note:** For the next step, invoke the Kernel Installation & Distribution System menu by entering **D ^XPDKRN** from **\_PROGRAMMER MODE\_**.

6. Install the distribution using option **6** on the **Installation** menu. Answer **NO** to the “Inhibit Logons” and “Disabling Scheduled Options” prompts as this build may have a longer-than-usual installation run time.
7. For results, use the KIDS **Install File Print** option to view and print the AUM 21.0 entry.

## 4.0 Sample Installation

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)
        Unload a Distribution

Select Installation Option: 1 Load a Distribution
Enter a Host File: C:\Patches\AUM 21.0\aum_2100.k

KIDS Distribution saved on Sep 16, 2020@11:36:45
Comment: ICD10 FY2021

This Distribution contains Transport Globals for the following Package(s):
  AUM 21.0
Distribution OK!

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

Build AUM 21.0 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES//
  AUM 21.0
Will first run the Environment Check Routine, AUMI10

                Hello, SYSTEM MANAGER

                Checking Environment for ICD UPDATE V 21.0.

                Need at least XU v8.0 p1018.....XU v8.0 p1018 Present

```

```

Need at least DI v22.0 p1018.....DI v22.0 p1019 Present
Need at least AICD v4.0.....AICD v4.0 Present
Need at least AUM v20.0.....AUM v20.0 Present

ENVIRONMENT OK.
Use INSTALL NAME: AUM 21.0 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:

Edits and Distribution ...
Utilities ...
Installation ...
Patch Monitor Main Menu ...

Select Kernel Installation & Distribution System Option:

Do you really want to halt? YES//

Logged out at Sep 16, 2020 11:45 am
ICD>D ^XPDKRN

KIDS 8.0

Select KIDS OPTION: 6  INSTALL PACKAGE(S)
Select INSTALL NAME: AUM 21.0      Loaded from Distribution
9/16/20@11:45:43
=> ICD10 FY2021 ;Created on Sep 16, 2020@11:36:45

This Distribution was loaded on Sep 16, 2020@11:45:43 with header of
ICD10 FY2021 ;Created on Sep 16, 2020@11:36:45
It consisted of the following Install(s):
AUM 21.0
Checking Install for Package AUM 21.0
Will first run the Environment Check Routine, AUMI10

Hello, SYSTEM MANAGER

Checking Environment for ICD UPDATE V 21.0.

Need at least XU v8.0 p1018.....XU v8.0 p1018 Present
Need at least DI v22.0 p1018.....DI v22.0 p1019 Present
Need at least AICD v4.0.....AICD v4.0 Present
Need at least AUM v20.0.....AUM v20.0 Present

ENVIRONMENT OK.

Install Questions for AUM 21.0

```

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? NO//

Install Started for AUM 21.0 :  
 Sep 16, 2020@11:46:16

Build Distribution Date: Sep 16, 2020

Installing Routines:  
 Sep 16, 2020@11:46:16

Running Pre-Install Routine: PRE^AUMI10

Installing Data Dictionaries:  
 Sep 16, 2020@11:46:16

Installing Data:  
 Sep 16, 2020@11:46:43

Running Post-Install Routine: POST^AUMI10

-----  
 MAJOR DIAGNOSTIC CATEGORY FILE

UNMODIFIED.....27  
 TOTAL.....27  
 -----

DRG FILE

NEW.....2  
 MODIFIED.....763  
 DESCRIPTION..730  
 LOS.....481  
 MDC.....10  
 STATUS.....10  
 SURGERY.....12  
 WEIGHT.....763  
 UNMODIFIED.....2  
 TOTAL.....767  
 -----

ICD10 DIAGNOSIS FILE

NEW.....488  
 MODIFIED.....10830  
 DRG.....10259  
 LONG.....47  
 MDC.....629  
 PDX.....2  
 SHORT.....47  
 INACTIVE.....58  
 UNMODIFIED.....83995  
 TOTAL.....95371

```
-----  
ICD10 OPERATION/PROCEDURE FILE  
NEW.....544  
MODIFIED.....53022  
  DRG.....53022  
UNMODIFIED....25439  
TOTAL.....79005  
-----  
  
Updating Routine file...  
  
Updating KIDS files...  
  
AUM 21.0 Installed.  
          Sep 16, 2020@11:52:04  
  
NO Install Message sent  
  
Install Completed
```

Figure 4-1: Sample install

## Acronym List

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

## 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/>

**Email:** [itsupport@ihs.gov](mailto:itsupport@ihs.gov)