

## **THE INPATIENT REHABILITATION FACILITY PROSPECTIVE PAYMENT SYSTEM GROUPER SOFTWARE THAT IS EFFECTIVE FOR DISCHARGES OCCURRING ON OR AFTER OCTOBER 1, 2007**

The following describes the revised version of the case-mix group (CMG) dynamic-link library (DLL) that inpatient rehabilitation facilities (IRFs) will use to classify patients. This revision represents version 2.20 of the DLL. This revised DLL implements CMG classification system version 2.20. CMG 2.20 must be used to classify patients discharged on or after October 1, 2007.

### **Introduction**

This documentation describes a Windows DLL that can be used to calculate a patient's CMG group for version 2.20 of the CMG classification system from IRF-Patient Assessment Instrument (IRF-PAI) data. CMG\_220.DLL is a 32-bit ActiveX DLL that can be called from Visual Basic or from 32-bit C++ applications. The DLL accepts an input string containing an IRF-PAI data record in the standard CMS submission format and returns the CMG value and associated information. Documentation for the IRF-PAI standard submission format, as well as the DLL and associated documentation, is available at:

[http://www.cms.hhs.gov/InpatientRehabFacPPS/06\\_Software.asp#TopOfPage](http://www.cms.hhs.gov/InpatientRehabFacPPS/06_Software.asp#TopOfPage)

The ZIP file (CMG\_220.ZIP) containing the DLL software and this documentation may be freely distributed and you may freely use and distribute the DLL in your applications. The ZIP file contains a document named TechDoc.PDF that explains how to call the DLL from Visual Basic and from C++. It describes the input and output parameters used when calling the DLL, the parameter file that must be distributed with the DLL, and the error codes that are returned by the DLL.

### **What is CMG 2.20?**

CMG 2.20 the classification system for patients in IRFs. The CMG system uses information from the IRF-PAI to perform these classifications. CMG 2.20 must be used for all patients discharged on or after October 1, 2007.

The changes being made with this version involve the addition, deletion, and tier changes for ICD-9-CM comorbidity codes. These comorbidity changes were required either by the FY 2008 IRF prospective payment system Final Rule or by the FY 2008 annual revision to the ICD-9-CM codes. In the ProgDoc.pdf file, which is part of the grouper package documentation, is Appendix C which identifies all comorbidity additions and tier changes, and Appendix D which identifies all comorbidity deletions.

Please contact your fiscal intermediary (FI) if you have any problems concerning claims submissions using CMG 2.20. If you continue to have issues with claims submissions

after contacting your FI, please contact Pete Diaz at [Pedro.Diaz@CMS.HHS.GOV](mailto:Pedro.Diaz@CMS.HHS.GOV) or Susanne Seagrave at [Susanne.Seagrave@CMS.HHS.GOV](mailto:Susanne.Seagrave@CMS.HHS.GOV). Providers are encouraged to obtain new versions of IRVEN or other vendor software that contain the new Version 2.20 of the CMG Grouper (for use on or after October 1, 2007). For submitted records requiring the new 2.20 Grouper (records with discharge on or after October 1, 2007), the provider will receive a warning on the validation report that an incorrect group code has been submitted unless the new versions of the software are used. However, the validation report will provide the correct CMG code, and the provider should use that correct CMG code for Medicare billing. The ZIP file CMG\_220.ZIP contains the CMG 2.20 grouper package.

The CMG\_220.ZIP file contains the following files:

- **Techdoc.pdf:** The current document, which explains the use of the DLL.
- **Progdodc.pdf:** Explains how to calculate CMG group codes. This document is primarily for programmers who wish to write their own CMG calculation software rather than using the DLL. Programmers who wish to use the DLL do not need to read this document to use the DLL correctly.
- **CMG\_220.DLL:** The 32-bit ActiveX DLL that computes CMG group codes.
- **CMG\_220.DAT:** A parameter file that must be distributed with the DLL.
- **VbDemo.\*:** A Visual Basic 6.0 program (source code and executable) which demonstrates how to call and use the DLL.
- **CmgTest.txt:** IRF-PAI assessment test data used by the VB demo program.

### How Can I Obtain CMG 2.20?

Download the grouper package ([CMG\\_220.ZIP](#)). [Zip file, 241kb]

Included as part of CMG\_220.ZIP is the file Techdoc.pdf, which explains the use of the DLL.

### Source Code

In computer science source code (which may commonly be referred to as just source or code) is any sequence of statements and/or declarations written in some human-readable computer programming language. The source code that constitutes a software program is usually contained in one or more text files, sometimes is stored in a database as stored procedures, and may also appear in code snippets printed in books or other media. A computer program's source code is the collection of files needed to convert from human-readable form to some kind of computer-executable form.

The CMG version 2.20 source code file includes the Visual Basic modules used to create and test the standard Windows DLL that implements the CMG calculation. This source code is provided as an aid to developers who wish to develop their own CMG calculation routine, rather than using the standard DLL provided.

### **How Can I Obtain the Grouper Source Code?**

Download the source code package by clicking on the following link: [SOURCE CODE.ZIP](#) [Zip file, 9kb]

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### **Technical Assistance**

This documentation and the CMG DLL are published by the Centers for Medicare & Medicaid Services. The documentation and DLL may be copied freely, as our goal is broad dissemination to facilitate accurate classification of IRF patients with the CMG classification system.

There is an IRF-PAI Support Desk to help you with technical problems and concerns with the grouper. The number to call is 1-800-339-9313. You may also e-mail requests for assistance to [irfpai\\_help@ifmc.org](mailto:irfpai_help@ifmc.org).