IRVEN 1.5: CMS' *REVISED* IRF-PAI Data Entry Software

What is IRVEN?

IRVEN (Inpatient Rehabilitation Validation and Entry) system is a computerized data entry system for Inpatient Rehabilitation Facilities (IRFs). **IRVEN** offers users the ability to collect the IRF Patient Assessment Instrument (IRF-PAI) in a database and creates a file in CMS-standard format that can be electronically transmitted to the IRF-PAI National database. The data collected is used for assessing the clinical characteristics of patients in rehabilitation hospitals and rehabilitation units in acute care hospitals. The data will provide survey agencies with a means to objectively measure and compare facility performance and quality. It will also provide researchers with information to support the development of improved standards. The data entry software imports and exports data in standard CMS record format. The software maintains facility and patient information, enforces data integrity via rigorous edit checks, and provides comprehensive online help. It includes a data dictionary and a grouper calculation.

IRVEN 1.5 April 2006 Release

The revised IRVEN 1.5 is being released to incorporate a new version 2.02 CMG Grouper package, which removes one ICD-9-CM code—278.02 (overweight)—that was inadvertently included in version 2.01 of the CMG Grouper.

How the IRVEN 1.5 System Works

This release contains system setup, data entry, import/export, reports, and archive/restore functionality. Since the IRVEN 1.4, IRVEN includes enhancements to allow it to operate in a network environment. Each component is described below.

System Setup. This component enables the inpatient rehabilitation facility to identify facility, employee, and patient information used throughout the IRF-PAI IRVEN System software. The facility information is used to pre-populate certain assessment variables as well as generate data fields required for the export process. The employee information establishes system security. The patient data pre-populates certain assessment variables in order to reduce redundant data entry.

Data Entry. This component includes the IRF-PAI IRVEN Management Screen as well as all of the data entry screens that comprise the various assessments completed by agencies. The IRF-PAI IRVEN Management Screen enables the user to select or add the patient and assessment of interest.

Once an assessment has been selected, the user may perform data entry. Upon exiting data entry, error checking is performed and the results are displayed to the user. Afterward, an assessment status screen is presented that enables the user to specify the current state of the assessment in accordance with the results of the error check process as well as the rules documented in the *IRF-PAI Data Specifications*.

Corrections can be made to assessments that have been previously completed and exported. The user can specify the type of correction (e.g., inactivation), and make the necessary changes. IRVEN enforces the correction policy described in the *IRF-PAI Data Specifications*.

Import/Export. This component, available only to the system administrator, enables IRF-PAI data to be moved in and out of the database.

The export function creates a file of IRF-PAI data to be sent to the National Assessment Collection Database in the format specified by the Data Record Layout (i.e., a 1,260-byte string). Conversely, the import function allows Data Record Layout files to be migrated into the IRVEN database.

Reports. This component gives the user the capability to create reports for any desired assessment. Each report contains all of the fields and associated values for an assessment.

Archive/Restore. This component, available only to the system administrator, gives the user the capability to archive assessment records for patients who no longer need to be in the system. This feature is important for two reasons: 1) to maintain the number of patients in the system at a manageable level and 2) to reduce the number of records in the IRF.MDB. Because IRVEN utilizes a Microsoft Access database for storage, the system will experience degradation in performance and reliability if the number of records in the database becomes too large.

Network Environment. Although IRVEN is designed as a stand-alone application, it includes enhancements that should allow it to operate in a network environment. See the README.TXT and the System Reference Manual for more details.

Use of the old version of IRVEN, or the old version of vendor software, to record patient assessment data and transmit that data.

Providers will be allowed to continue to use the old version of **IRVEN**, or old version of their vendor software, after April 10, 2006. However, in some instances, using the old version of the IRVEN, or old version of vendor software, after April 10, 2006 may result in an "inconsistent CMG Code" warning message.

Type of computer needed in order to use the revised IRVEN 1.5.

The minimum system requirement is an IBM-compatible PC with Pentium 200 MHz or higher processor, a VGA-compatible display monitor, and Microsoft Windows 95, Windows 98, Windows ME, Windows NT, Windows 2000, or Windows XP operating system. Also needed is a Microsoft-compatible mouse or pointing device, a hard disk with a minimum of 40 megabytes of space, 16 megabytes of RAM (32 are recommended for Windows 95/98/ME/NT/2000), and a CD-ROM drive.

A laser printer will be needed to print reports.

Found below is the Production Version 1.5 of the IRF-PAI Inpatient Rehabilitation Validation and Entry (IRVEN) System. The installation file, SETUPIRF1_5.ZIP, contains the full complement of IRF-PAI software files (compressed) used for installation. README.TXT explains how to install the IRVEN software. In addition to

the software, the installation file contains documentation in Adobe Acrobat PDF format. The following documentation is included:

- an electronic version of this introduction (IRFINTRO1_5.PDF);
- the system reference manual (IRFHELP32_1_5.PDF);
- release notes (RELNOTES.PDF); and o documentation regarding the Medicare Data Communication Network (MDCN.PDF).

To obtain a free copy of Adobe Acrobat Reader for viewing the documentation, visit www.adobe.com.

How to obtain the IRVEN 1.5.

The **IRVEN** Production Version 1.5 (04/10/2006) and other associated files can be downloaded using the links below:

View the intro (irfintro1_5.pdf; 117kb, PDF file) that describes the contents of **IRVEN**.

Read the instructions on installation (IRFHelp32_1_5.pdf; 420kb, PDF file).

Read the release notes (relnotes.pdf; 100kb, PDF file).

Download the software (setupirf1_5.zip, 17.8mb, ZIP file).

How to obtain a Data Submission User's Guide.

A Data Submission User's Guide can be obtained at www.qtso.com/irfpai.html.

How to obtain a guide that contains information concerning the messages I receive after I transmit the IRF PAI data record.

That guide can be obtained at www.qtso.com/irfpai.html.

SOFTWARE UPDATES

IRF-PAI IRVEN software may be adjusted over time to incorporate changes in system components as well as to incorporate bug fixes. Adjustments will be posted to the IRVEN Software Web page at http://www.cms.hhs.gov/InpatientRehabFacPPS/downloads/irven1_5.pdf.

SUBMISSION OF SOFTWARE ERROR REPORTS

If a software error is encountered, it is recommended that an attempt be made to duplicate the error on another assessment (or employee or patient) prior to reporting the error. This duplication can be helpful in determining whether the software error is recurring across assessments (or employees or patients).

Any software errors discovered should be reported to the IRVEN Help Desk as soon as possible after discovery. Please submit the following information for each software error:

Name and telephone number of the user;

Software error message (if applicable);

Screen or title bar of window where the software error occurred;

The sequence of events prior to encountering the software error; and

Hardware configuration (e.g., Pentium-600, 32 megabytes of RAM, etc.)

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How to obtain technical support.

For questions about this release or further assistance with the IRVEN System, please call the IRVEN Help Desk at 1-800-339-9313 from 7 AM - 7 PM Central Time or send e-mail to IRVEN_help@ifmc.org. Additional information about the IRF-PAI IRVEN System also can be obtained at
http://www.cms.hhs.gov/InpatientRehabFacPPS/downloads/irven1_5.pdf.