



RESOURCE AND PATIENT MANAGEMENT SYSTEM

RPMS Uniform Data System Reporting System

(BUD)

Installation Guide and Release Notes

Version 10.0
February 2016

Office of Information Technology
Division of Information Technology

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Preface

This manual contains the installation guide for the Resource and Patient Management System (RPMS) Uniform Data System (UDS) Reporting System for calendar year 2015.

RPMS UDS Reporting is intended for use by Tribal or urban health facilities receiving grant funds for primary care system development programs administered by the Bureau of Primary Health Care (BPHC), Health Resources and Services Administration (HRSA). The RPMS UDS Reporting System provides passive extraction of patient and visit data from the Indian Health Service (IHS) RPMS to produce 10 of the 12 UDS report tables required annually by BPHC grantees.

Note: Submit 2015 UDS data by February 15, 2016 in order to assure adequate time for review and correction of data errors prior to final submission. Changes to these data will be permitted until March 31, 2016.

The RPMS UDS Reporting System software will be reviewed annually and updated as needed as BPHC reporting requirements change.

Additional information about BPHC grants and BPHC UDS reporting can be found at the following Web site: <http://www.bphc.hrsa.gov/uds/>.

Rules of Behavior

All RPMS users are required to observe Department of Health and Human Services and IHS Rules of Behavior regarding patient privacy and the security of both patient information and IHS computers and networks. This document provides both RPMS and UDS Rules of Behavior.

1.0 About This Manual

This manual provides installation instructions for the RPMS UDS Reporting System for CY 2015. The chapters included in the manual cover these main system components:

1. Installation notes
2. Installation instructions
3. Sample installation

1.1 Key Changes for Version 10.0

- Revised environment checker to check for items listed in the install manual only.
- Revised environment checker clearly define any errors during install instead of a generic message, such as the missing package or routine name.

1.1.1 Menu Changes

- Reports Menu Changes
- MU Menu Changes
- LST Submenu Changes:
 - LST2 Submenu Changes:
 - Revised submenus:
 - E-H Table 6B Section E through H:
 - Renamed to E-I Table 6B Section E through I
 - I-M Table 6B Section I through M
 - Renamed to J-N Table 6B Section J through N
 - Added submenus:
 - E-I Table 6B Section E through I:
 - CAD1 All CAD patients 18+ w/Lipid Therapy
 - CAD2 All CAD patients 18+ w/o Lipid Therapy
 - J-M Table 6B Section J through M:
 - DEN1 All Patients 6-9 at Risk with First Molar Sealant
 - DEN2 All Patients 6-9 at Risk w/o First Molar Sealant
 - Removed submenus:

- J-N Table 6B Section J through N:
 - CAD1 All CAD patients 18+ w/Lipid Therapy
 - CAD2 All CAD patients 18+ w/o Lipid Therapy
- LST3 Submenu Changes:
 - Revised submenus:
 - DM Diabetes Patient Lists:
 - DMR2 All DM Pts w/o A1c or >9 by Race & Hisp Identity
 - Removed submenus:
 - DM Diabetes Patient Lists:
 - DMR2 All DM Pts w/A1c >=8 & <=9 by Race & Hisp Identity
- Included delimited option for all patient lists.

1.1.2 Table 3B

Revised logic to include patients best served in a language other than English.

1.1.3 Table 4–Selected Patient Characteristics

- Updated poverty calculations using the HHS 2014 Poverty Guidelines.
- Updated table to include line 9a: Dually eligible (Medicare + Medicaid).

1.1.4 Table 6A– Selected Diagnoses and Services Rendered

Updated logic to include ICD-10 codes for selected diagnosis and services rendered.

1.1.5 Table 6B–Quality of Care Indicators

- Updated logic to include ICD-10 code sets.
- Added Section N – Sealants to First Molars:
 - The number of children age 6-9 years at “elevated” risk (moderate to high risk) for caries who received a dental sealant on a permanent first molar tooth during the reporting period.

1.1.6 Table 7–Quality of Care Indicators

- Updated logic to include ICD-10 code sets
- Revised Hypertension logic to include the denominator exclusion.
- Removed Section C Column 3e: Patients with $8\% \leq \text{Hb1ac} \leq 9\%$ (3e)

1.1.7 Taxonomy Changes

None

2.0 Introduction

IHS RPMS UDS Reporting is intended for use by Tribal or urban health facilities receiving grant funds for primary care system development programs administered by the BPHC, HRSA. The RPMS UDS Reporting System provides passive extraction of patient and visit data from the RPMS to produce 10 of the 12 UDS reports. For each of the seven reports, RPMS UDS also produces lists of all patients and related visits that are counted in the reports.

Note: The UDS 2015 reports are due to BPHC on or before February 15, 2016 in order to assure adequate time for review and correction of data errors prior to final submission. Changes to these data will be permitted until March 31, 2016.

RPMS UDS Reporting System software will be reviewed annually and updated as needed as BPHC reporting requirements change.

2.1 About the BPHC UDS

The BPHC UDS is an integrated reporting system used by all grantees of the following primary care programs administered by the BPHC, HRSA:

- Community Health Center, as defined in Section 330(e) of the Health Centers Consolidation Act as amended
- Migrant Health Center, as defined in Section 330(g) of the Act
- Health Care for the Homeless, as defined in Section 330(h) of the Act
- Public Housing Primary Care, as defined in Section 330(i) of the Act

BPHC collects data on its programs to ensure compliance with legislative mandates and to report to Congress, the Office of Management and Budget, and other policy makers on program accomplishments. To meet these objectives, BPHC requires grantees submit a core set of information annually that is appropriate for monitoring and evaluating performance and for reporting on annual trends. The UDS is the vehicle used by BPHC to obtain this information.

UDS reports provide a comprehensive picture of all activities within the scope of BPHC-supported projects. Grantees should report on the total unduplicated number of patients and activities within the scope of projects supported by any and all BPHC primary care programs covered by the UDS.

See the Quick Reference Guide for relevant excerpts from the BPHC UDS manual. Additional information can be obtained from the following Web site:
<http://www.bphc.hrsa.gov/uds/>

2.2 RPMS UDS Reporting System Overview

The RPMS UDS Reporting System is a software tool that produces 10 of the 12 reports required annually by BPHC grantees. These reports provide an overview of patients and visits at a grantee facility, including number, age, gender, zip code of residence, and race/ethnicity of patients and number of visits by provider type and by key diagnoses and services, quality of care indicators and health outcome and disparities. The system produces the following reports:

- Patients by Zip Code
- Table 3A Patients by Age and Gender
- Table 3B Patients by Hispanic or Latino Identity/Race/Language
- Table 4 Selected Patient Characteristics
- Table 5 Staffing and Utilization (Column A)
- Table 5 Staffing and Utilization (Columns B and C)
- Table 6A Selected Diagnoses and Services Rendered
- Table 6B Quality of Care Indicators
- Table 7 Health Outcome and Disparities
- Table 9D Patient-Related Revenue

Additionally RPMS UDS will provide the following lists to assist in verifying data.

- LST1–Lists for Tables Zip Code, 3A&3B, 4, 5, and 6A
- LST2–Lists for Table 6B
- LST3–Lists for Table 7

You can run reports for individual quarters as well as for the entire calendar year.

Note: Tables 6B and 7 must be run using the Full Calendar Year option. If these reports are run using the Quarterly options, the totals combined will not match the calendar year totals.

The RPMS UDS also includes an option to save all patients that meet the BPHC definition of a patient to an RPMS search template, where it can be used to assist the user with preparing the other needed reports that are submitted to BPHC.

Note: BPHC reporting is based on calendar year (January through December) rather than fiscal year (October through September).

See the “Report Descriptions” section in the BUD User Manual for a description of the detailed logic for each report.

3.0 Installation Notes

Prefix: **BUD**

Current Version: **10.0**

3.1 Contents of Distribution

| File | Description |
|--------------|---|
| bud_1000.k | Kernel Installation & Distribution System (KIDS) file containing software |
| bud_100i.pdf | Installation guide in PDF format |
| bud_100t.pdf | Technical manual in PDF format |
| bud_100u.pdf | User's guide in PDF format |

3.2 Required Resources

- Kernel V 8.0 or higher
- FileMan 21 or higher
- AICD v4.0 (aicd0400.k)
- Clinical Reporting System V16.0 or higher (bgp_1600.k)
- UDS Version 9.0 (bud_0900.k)

3.3 Before You Begin: Installation Issues

1. Make a copy of this distribution for off-line storage.
2. Print a copy of all notes and/or readme files.
3. Capture the terminal output during the installation using an auxport printer attached to the terminal at which you are performing the software installation. This will ensure a printed audit trail if any problems should arise.

4.0 Installation Instructions

In all UCIs running the RPMS UDS Reporting System:

1. Ensure that users are unable to use the RPMS UDS Reporting System for the duration of this installation. Installation takes approximately five minutes.
2. Save all routines (^%RO(CACHE)) and globals (^%GO(CACHE)) in the BUD* namespace for use in returning to your existing version, if needed.

Note: If this is a first-time install, there will be no routines or globals in this namespace.

3. Install bud_1000.k. This file is the KIDS file for the RPMS UDS Reporting System.
 - a. Load the distribution into KIDS using Option 1 on the KIDS Installation menu.
 - b. Verify the load using Option 2 on the KIDS Installation Menu.
 - c. Consider using the Options 3 and 4 on the KIDS Installation Menu to print and compare the transport.
 - d. Install the distribution using Option 6 on the KIDS Installation Menu.
4. After the installation is complete, assign security key BUDZMENU to all users of this package at the service unit level. If this package is being installed at an Area Office, the BUDZMENU and BUDZMGR keys also need to be assigned to users of the package.

5.0 Sample Installations

```

DEVA>D ^XPDKRN

KIDS 8.0

Select KIDS OPTION: 1  LOAD A DISTRIBUTION
Enter a Host File: x:\export\bud_1000.dlk

KIDS Distribution saved on Dec 28, 2015@16:29:50
Comment: UDS V10.0 AS OF 12/28/15

This Distribution contains Transport Globals for the following Package(s):
  IHS/RPMS UNIFORM DATA SYSTEM 10.0
Distribution OK!

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

Build IHS/RPMS UNIFORM DATA SYSTEM 10.0 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES//
  IHS/RPMS UNIFORM DATA SYSTEM 10.0
Will first run the Environment Check Routine, BUDCENV

Use INSTALL NAME: IHS/RPMS UNIFORM DATA SYSTEM 10.0 to install this Distribution
.

DEVA>d ^XPDKRN

KIDS 8.0

Select KIDS OPTION: INSTALL PACKAGE(S)
Select INSTALL NAME:   IHS/RPMS UNIFORM DATA SYSTEM 10.0      Loaded from Distri
  Loaded from Distribution 12/28/15@17:27:27
    => UDS V10.0 AS OF 12/28/15 ;Created on Dec 28, 2015@16:29:50

This Distribution was loaded on Dec 28, 2015@17:27:27 with header of
  UDS V10.0 AS OF 12/28/15 ;Created on Dec 28, 2015@16:29:50
  It consisted of the following Install(s):
IHS/RPMS UNIFORM DATA SYSTEM 10.0
Checking Install for Package IHS/RPMS UNIFORM DATA SYSTEM 10.0
Will first run the Environment Check Routine, BUDCENV

Install Questions for IHS/RPMS UNIFORM DATA SYSTEM 10.0

Incoming Files:

  90667.1  UDS 15 SITE PARAMETERS

  90667.2  UDS 15 CONTROL TABLES (including data)

  90667.3  UDS 15 TABLE 3 FORMAT (including data)

```



```
Updating [BUD COLO CPTS] taxonomy...
Updating [BUD SIG CPTS] taxonomy...
Updating [BUD FOBT CPTS] taxonomy...
Updating [BUD HIV DXS] taxonomy...
Updating [BUD HIV FU DXS] taxonomy...
Updating [BUD DEPRESSION/BIPOLAR DXS] taxonomy...
Creating [BUD ORAL EXAM CPTS] taxonomy...

Updating Routine file...

Updating KIDS files...

IHS/RPMS UNIFORM DATA SYSTEM 10.0 Installed.
      Dec 28, 2015@17:28:04

Not a VA primary domain

Install Completed
```

Figure 5-1: A sample KIDS installation

Acronym List

| Acronym | Term Meaning |
|---------|--|
| BPHC | Bureau of Primary Health Care |
| HRSA | Health Resources and Services Administration |
| IHS | Indian Health Service |
| KIDS | Kernel Installation & Distribution System |
| RPMS | Resource and Patient Management System |
| UDS | Uniform Data System |

Contact Information

If you have any questions or comments regarding this distribution, please contact the OIT Help Desk (IHS).

Phone: (888) 830-7280 (toll free)

Web: <http://www.ihs.gov/helpdesk/>

Email: support@ihs.gov