RESOURCE AND PATIENT MANAGEMENT SYSTEM

RPMS Uniform Data System Reporting System

(BUD)

Installation Guide and Release Notes

Version 13.0
October 2018

Office of Information Technology
Division of Information Technology
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Preface


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 2018 UDS data by February 15, 2019 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, 2019.

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: [https://bphc.hrsa.gov/datareporting/reporting/index.html](https://bphc.hrsa.gov/datareporting/reporting/index.html).

**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 Release Notes

This manual provides installation instructions for the RPMS UDS Reporting System for CY 2018. 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 13.0

- Added option to run reports for Table 7 for Homeless patients only.
- Update Provider Class Exclusion to not count visits in Tables Zip, 3A, 3B, 4 and 5.
- Update Table 9D to include column for Payer category.

1.1.1 Menu Changes

- Reports Menu Changes:
  - Added UD18 UDS 2018 … menu option.
  - Removed UD08 UDS 2008 through UD12 UDS 2012… menu options.

1.1.2 Table 6B–Quality of Care Measures

- Aligned many measures with 2018 version of the Center for Medicare and Medicaid Services (CMS)’s electronic Clinical Quality Measures (eCQM).
- Section C – Childhood Immunizations:
  - Added denominator exclusion for patients in hospice
  - Added Severe Combined Immunodeficiency and Intussusception to rotavirus contraindications
- Section D – Cervical Cancer Screening:
  - Added denominator exclusion for patients in hospice
- Section E – Weight Assessment and Counseling for Nutrition and Physical Activity of Children and Adolescents:
  - Added denominator exclusion for patients in hospice
- Section F – Preventive Care and Screening: BMI Screening and Follow-Up:
  - Updated numerator to look during the past 12 months for BMI and counseling
• Section J – Ischemic Vascular Disease (IVD): Use of Aspirin or Another Antiplatelet:
  – Added denominator exclusion for patients in hospice
• Section K – Colorectal Cancer Screening:
  – Added denominator exclusion for patients in hospice
  – Updated numerator to include FIT-DNA in the past 3 years or CT colonography in past 5 years

1.1.3 Table 7–Quality of Care Indicators
• Aligned measures with 2018 version of CMS’ eCQM measures.
• Section B – Controlling High Blood Pressure:
  – Added denominator exclusion for patients in hospice
• Section C – Diabetes: Hemoglobin A1c (HbA1c) Poor Control (>9%):
  – Added denominator exclusion for patients in hospice
  – Removed measure for patients with HbA1c <8%

1.1.4 Taxonomy Changes
Added new taxonomies BGP FIT-DNA TESTS, BGP IPC ABOVE NORMAL MEDS, and BGP IPC BELOW NORMAL MEDS.
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 passively extracting patient and visit data from the RPMS to produce 10 of the 12 UDS reports. For each of the 10 reports, RPMS UDS also produces lists of all patients and related visits that are counted in the reports.

Note: The UDS 2018 reports are due to BPHC on or before February 15, 2019. This is in order to assure adequate time for review and data error correction prior to final submission. Changes to these data will be permitted until March 31, 2019.

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 program accomplishments to Congress, the Office of Management and Budget (OMB), and other policy making bodies. To meet these objectives, BPHC requires that grantees annually submit a core set of information 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: https://bphc.hrsa.gov/datareporting/reporting/index.html.
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. The information gathered includes:

1. Number of patients
2. Patient’s age
3. Patient’s gender
4. Patient’s zip code of residence
5. Patient’s race/ethnicity
6. Number of visits by provider type
7. Number of visits by key diagnoses and services
8. Quality of care indicators
9. Health outcome
10. Disparities

The system produces the following reports:

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

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
- Individual quarter reports for the entire calendar year can also be run.
**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. That data can then be used to prepare 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: **13.0**

3.1 Contents of Distribution

Table 3-1 lists the files and their descriptions that are included in the BUD V13.0 distribution.

<table>
<thead>
<tr>
<th>File</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>bud_1300.k</td>
<td>Kernel Installation &amp; Distribution System (KIDS) file containing software</td>
</tr>
<tr>
<td>bud_130i.pdf</td>
<td>Installation guide in PDF format</td>
</tr>
<tr>
<td>bud_130t.pdf</td>
<td>Technical manual in PDF format</td>
</tr>
<tr>
<td>bud_130u.pdf</td>
<td>User's guide in PDF format</td>
</tr>
</tbody>
</table>

3.2 Required Resources

- Kernel V 8.0 or higher
- FileMan 21 or higher
- Clinical Reporting System (CRS) V18.1 or higher
- UDS Version 12.0 patch 1 (bud_1200.01k)

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 the previous version installed, if needed.

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

3. Install bud_1300.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. Optional: Load **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_1300.k

KIDS Distribution saved on Aug 07, 2018@13:51:16
Comment: IHS/RPMS UNIFORM DATA SYSTEM V13.0

This Distribution contains Transport Globals for the following Package(s):
   IHS/RPMS UNIFORM DATA SYS 13.0
Distribution OK!

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

Build IHS/RPMS UNIFORM DATA SYS 13.0 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES//
   IHS/RPMS UNIFORM DATA SYS 13.0
Will first run the Environment Check Routine, BUDHENV

Patch "BUD*12.0*1" is installed.
Use INSTALL NAME: IHS/RPMS UNIFORM DATA SYS 13.0 to install this Distribution.

DEVA>D ^XPDKRN

KIDS 8.0

Select KIDS OPTION: INSTALL PACKAGE(S)
Select INSTALL NAME:    IHS/RPMS UNIFORM DATA SYS 13.0     Loaded from Distribut
=> IHS/RPMS UNIFORM DATA SYSTEM V13.0 ;Created on Aug 07, 2018@13:51:16

This Distribution was loaded on Aug 07, 2018@13:52:30 with header of
   IHS/RPMS UNIFORM DATA SYSTEM V13.0 ;Created on Aug 07, 2018@13:51:16
   It consisted of the following Install(s):
   IHS/RPMS UNIFORM DATA SYS 13.0
Checking Install for Package IHS/RPMS UNIFORM DATA SYS 13.0
Will first run the Environment Check Routine, BUDHENV

Patch "BUD*12.0*1" is installed.

Install Questions for IHS/RPMS UNIFORM DATA SYS 13.0

Incoming Files:

90669.901 UDS 18 SITE PARAMETERS

90669.902 UDS 18 CONTROL TABLES  (including data)

90669.903 UDS 18 TABLE 3 FORMAT  (including data)
90669.904 UDS 18 INCOME LEVELS (including data)
90669.905 UDS 18 TABLE 5 FORMAT (including data)
90669.906 UDS 18 LST2 REPORTS (including data)
90669.907 UDS 18 TABLE 6 CODES (including data)
90669.908 UDS 18 TABLE CODE LISTS (including data)

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 IHS/RPMS UNIFORM DATA SYS 13.0 :
Aug 07, 2018@13:52:49

Build Distribution Date: Aug 07, 2018

Installing Routines: Aug 07, 2018@13:52:49

Running Pre-Install Routine: PRE^BUDHENV

Installing Data Dictionaries: Aug 07, 2018@13:52:49

Installing Data: Aug 07, 2018@13:52:50

Installing PACKAGE COMPONENTS:

Installing SECURITY KEY

Installing PRINT TEMPLATE

Installing SORT TEMPLATE

Installing FORM

Installing PROTOCOL

Installing LIST TEMPLATE

Installing OPTION Aug 07, 2018@13:52:51

Running Post-Install Routine: POST^BUDHENV

Creating [BUD 18 T6A LINE 1-2] taxonomy...
Creating [BUD 18 T6A LINE 3] taxonomy...
Creating [BUD 18 T6A LINE 4] taxonomy...
Creating [BUD 18 T6A LINE 4A] taxonomy...
Creating [BUD 18 T6A LINE 4B] taxonomy...
Creating [BUD 18 T6A LINE 5] taxonomy...
Creating [BUD 18 T6A LINE 6] taxonomy...
Creating [BUD 18 T6A LINE 7] taxonomy...
Creating [BUD 18 T6A LINE 8] taxonomy...
Creating [BUD 18 T6A LINE 9] taxonomy...
Creating [BUD 18 T6A LINE 10] taxonomy...
Creating [BUD 18 T6A LINE 11] taxonomy...
Creating [BUD 18 T6A LINE 12] taxonomy...
Creating [BUD 18 T6A LINE 13] taxonomy...
Creating [BUD 18 T6A LINE 14] taxonomy...
Creating [BUD 18 T6A LINE 14A] taxonomy...
Creating [BUD 18 T6A LINE 15] taxonomy...
Creating [BUD 18 T6A LINE 16] taxonomy...
Creating [BUD 18 T6A LINE 17] taxonomy...
Creating [BUD 18 T6A LINE 18] taxonomy...
Creating [BUD 18 T6A LINE 19] taxonomy...
Creating [BUD 18 T6A LINE 19A] taxonomy...
Creating [BUD 18 T6A LINE 20A] taxonomy...
Creating [BUD 18 T6A LINE 20B] taxonomy...
Creating [BUD 18 T6A LINE 20C] taxonomy...
Creating [BUD 18 T6A LINE 20D] taxonomy...
Creating [BUD 18 T6A LINE 22] taxonomy...
Creating [BUD 18 T6A LINE 23] taxonomy...
Creating [BUD 18 T6A LINE 25] taxonomy...
Updating [BUD HPV CPTS] taxonomy...
Updating [BUD HPV LOINC CODES] taxonomy...
Creating [BUD PAP SMEAR DXS 18] taxonomy...
Creating [BUD PAP SMEAR UDS 18] taxonomy...
Updating [BUD PAP SMEAR DXS 18] taxonomy...
Creating [BUD 18 T6A LINE 24] taxonomy...
Creating [BUD 18 T6A LINE 26A] taxonomy...
Creating [BUD 18 IMM CONTRA ALL VACCINES] taxonomy...
Updating [BUD 18 T6A LINE 10] taxonomy...
Creating [BUD 18 IPV EVIDENCE] taxonomy...
Creating [BUD 18 HPV CPTS] taxonomy...
Creating [BUD 18 CPT PAP] taxonomy...
Creating [BUD 18 FOBT CPTS] taxonomy...
Creating [BUD 18 FOBT LOINC CODES] taxonomy...
Creating [BUD 18 GEST/STEROID DX] taxonomy...
Creating BUD DIABETES MEDS TAX Taxonomy...
Creating BGP PQA CONTROLLER MEDS Taxonomy...
Creating BGP HEDIS ANTIDEPRESSANT MEDS Taxonomy...
Creating BGP PQA SABA MEDS Taxonomy...
Creating BUD LIPID LOWERING MEDS Taxonomy...
Creating BUD ANTIPLATELET MEDS Taxonomy...
Creating BGP HEDIS ANTIDEPRESSANT MEDS Taxonomy...
Creating BGP PQA WARFARIN MEDS Taxonomy...
Creating BGP PQA NON-WARF ANTICOAG MEDS Taxonomy...

Updating Routine file...

Updating KIDS files...

IHS/RPMS UNIFORM DATA SYS 13.0 Installed.  
Aug 07, 2018@13:52:56

Not a VA primary domain
Figure 5-1: A sample KIDS installation
# Acronym List

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Term Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMI</td>
<td>Body Mass Index</td>
</tr>
<tr>
<td>BPHC</td>
<td>Bureau of Primary Health Care</td>
</tr>
<tr>
<td>CMS</td>
<td>Centers for Medicare and Medicaid Services</td>
</tr>
<tr>
<td>CQM</td>
<td>Clinical Quality Measure</td>
</tr>
<tr>
<td>CRS</td>
<td>Clinical Reporting System</td>
</tr>
<tr>
<td>CY</td>
<td>Calendar Year</td>
</tr>
<tr>
<td>HPV</td>
<td>Human Papilloma Virus</td>
</tr>
<tr>
<td>HRSA</td>
<td>Health Resources and Services Administration</td>
</tr>
<tr>
<td>IHS</td>
<td>Indian Health Service</td>
</tr>
<tr>
<td>KIDS</td>
<td>Kernel Installation &amp; Distribution System</td>
</tr>
<tr>
<td>OMB</td>
<td>Office of Management and Budget</td>
</tr>
<tr>
<td>QI</td>
<td>Quality Improvement</td>
</tr>
<tr>
<td>RPMS</td>
<td>Resource and Patient Management System</td>
</tr>
<tr>
<td>SNOMED</td>
<td>Systematized Nomenclature of Medicine</td>
</tr>
<tr>
<td>UDS</td>
<td>Uniform Data System</td>
</tr>
</tbody>
</table>
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/](http://www.ihs.gov/helpdesk/)

**Email:** support@ihs.gov