



RESOURCE AND PATIENT MANAGEMENT SYSTEM

Uniform Data System

(BUD)

Installation Guide and Release Notes

Version 15.0
December 2020

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 (CY) 2020.

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 9 of the 11 UDS report tables required annually by BPHC grantees.

Note: Submit 2020 UDS data by February 15, 2021 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, 2021.

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 website: <https://bphc.hrsa.gov/datareporting/reporting/index.html>.

Rules of Behavior

All RPMS users are required to observe Department of Health and Human Services (HHS) 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 2020. 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 15.0

- Added new Provider Code F2 - Denturist to Line 18 on Table 5.
- Created patient lists for new measures in Table 6B.

1.1.1 Menu Changes

- Menu Changes:
 - Added **UD20 UDS 2020 ...** menu option.
 - Removed **UD14 UDS 2014** through **UD18 UDS 2018...** menu options.

1.1.2 Table 3B–Demographic Characteristics

- Added new line 18a: Unknown.
- Add new line 25a: Unknown.

1.1.3 Table 6A–Selected Diagnosis and Services Rendered

- Added new lines:
 - 4c: Novel coronavirus (SARS-CoV-2) disease
 - 6a: Acute respiratory illness due to novel coronavirus (SARS-CoV-2) disease
 - 20e: Human Trafficking
 - 20f: Intimate Partner Violence
 - 21c: Novel coronavirus (SARS-CoV-2) diagnostic test
 - 21d: Novel coronavirus (SARS-CoV-2) antibody test
 - 21e: Pre-Exposure Prophylaxis (PrEP)-associated management of all PrEP patients
- Code updates.

1.1.4 Table 6B–Quality of Care Measures

- Aligned many measures with 2020 version of the Center for Medicare and Medicaid Services (CMS) electronic Clinical Quality Measures (eCQM):
 - Section C – Childhood Immunizations: updated to CMSv117v8
 - Section D – Cervical Cancer Screening: updated to CMS 124v8
 - Section E – Weight Assessment and Counseling for Nutrition and Physical Activity of Children and Adolescents: updated to CMS 155v8
 - Section F – Preventive Care and Screening: BMI Screening and Follow-Up: updated to CMS 69v8
 - Section G – Preventative Care and Screening: Tobacco Use: Screening and Cessation Intervention: updated to CMS 138v8
 - Section H – Statin Therapy for the Prevention and Treatment of Cardiovascular Disease: Lipid Therapy (CMS 347v3)
 - Section J – Colorectal Cancer Screening: updated to CMS 130v8
 - Section L – Preventative Care and Screening: Screening for Depression and Follow-Up Plan: updated to CMS 2v9
- Add the following new measures using the 2020 version of the CMS eCQM measures:
 - Breast Cancer Screening (CMS125v8)
 - HIV Screening (CMS 349v2)
 - Depression Remission at Twelve Months (CMS159v8)
- Revised HIV Linkage to Care Measure to look for patients whose first ever HIV diagnosis was between December 1 of the prior year and November 30 of the reporting year with follow up treatment within 30 days.
- Removed Use of Appropriate Medications for Asthma measure.

1.1.5 Table 7–Quality of Care Indicators

- Aligned measures with 2020 version of the CMS eCQM measures.
- Section B – Controlling High Blood Pressure: updated to CMS 165v8
- Section C – Diabetes: Hemoglobin A1c (HbA1c) Poor Control (greater than [$>$] 9%): updated to CMS 122v8

1.1.6 Taxonomy Changes

- Added BUD HIV PREP TAX and removed BGP PQA CONTROLLER MEDS and BGP PQA SABA 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 9 of the 11 UDS reports. For each of the 9 reports, RPMS UDS also produces lists of all patients and related visits that are counted in the reports.

Note: The UDS 2020 reports are due to BPHC on or before February 15, 2021. 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, 2021.

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 website:

<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 9 of the 11 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: **15.0**

3.1 Contents of Distribution

Table 3-1 lists the files and their descriptions that are included in the BUD V15.0 distribution.

Table 3-1: Contents of BUD v15.0 Distribution

File	Description
bud_1500.k	Kernel Installation & Distribution System (KIDS) file containing software
bud_150i.pdf	Installation guide in PDF format
bud_150t.pdf	Technical manual in PDF format
bud_150u.pdf	User's guide in PDF format

3.2 Required Resources

- Kernel v8.0 patch 1018 (XU*8.0*1018) or later
- FileMan v22.0 patch 1018 (DI*22.0*1018) or later
- Uniform Data System V14.0 (bud_1400.k)
- Clinical Reporting System v20.1 or higher (bgp_2010.k)
- Taxonomy System V5.1 through patch 35 (atx_0510.35k)
- CPT v2.20 through patch 6 (acpt2020.06k)

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.

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

3. Install **bud_1500.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

```

CMBB>D ^XPKRN

KIDS 8.0

Select KIDS OPTION: 1  LOAD A DISTRIBUTION
Enter a Host File: G:\EXPORT\BUD_1500.K

KIDS Distribution saved on Sep 15, 2020@11:22
Comment: IHS/RPMS UNIFORM DATA SYSTEM V15.0

This Distribution contains Transport Globals for the following Package(s):
Build IHS/RPMS UNIFORM DATA SYS 15.0 has been loaded before, here is when: IHS/RPMS
UNIFORM DATA SYS 15.0 was loaded on Sep 15, 2020@11:22:22  Install Completed

OK to continue with Load? NO// YES

Distribution OK!

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

Build IHS/RPMS UNIFORM DATA SYS 15.0 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES//
  IHS/RPMS UNIFORM DATA SYS 15.0
Will first run the Environment Check Routine, BUDKENV

          Patch "ATX*5.1*35" is installed.
Use INSTALL NAME: IHS/RPMS UNIFORM DATA SYS 15.0 to install this Distribution.

CMBB>D ^XPKRN

KIDS 8.0

Select KIDS OPTION: INSTALL PACKAGE(S)
Select INSTALL NAME:   IHS/RPMS UNIFORM DATA SYS 15.0      Loaded from Distribut
ion   9/15/20@11:23:17
      => IHS/RPMS UNIFORM DATA SYSTEM V15.0  ;Created on Sep 15, 2020@11:22

This Distribution was loaded on Sep 15, 2020@11:23:17 with header of
  IHS/RPMS UNIFORM DATA SYSTEM V15.0  ;Created on Sep 15, 2020@11:22
  It consisted of the following Install(s):
IHS/RPMS UNIFORM DATA SYS 15.0
Checking Install for Package IHS/RPMS UNIFORM DATA SYS 15.0
Will first run the Environment Check Routine, BUDKENV

          Patch "ATX*5.1*35" is installed.

Install Questions for IHS/RPMS UNIFORM DATA SYS 15.0

Incoming Files:

      90667.901 UDS 20 SITE PARAMETERS
Note:  You already have the 'UDS 20 SITE PARAMETERS' File.

```



```
Installing PACKAGE COMPONENTS:
```

```
Installing SECURITY KEY
```

```
Installing PROTOCOL
```

```
Installing LIST TEMPLATE
```

```
Installing OPTION
```

```
    Sep 15, 2020@11:23:27
```

```
Running Post-Install Routine: POST^BUDKENV
Updating [BUD 20 T6A LINE 1-2] taxonomy...
Updating [BUD 20 T6A LINE 3] taxonomy...
Updating [BUD 20 T6A LINE 4] taxonomy...
Updating [BUD 20 T6A LINE 4A] taxonomy...
Updating [BUD 20 T6A LINE 4B] taxonomy...
Updating [BUD 20 T6A LINE 5] taxonomy...
Updating [BUD 20 T6A LINE 6] taxonomy...
Updating [BUD 20 T6A LINE 7] taxonomy...
Updating [BUD 20 T6A LINE 8] taxonomy...
Updating [BUD 20 T6A LINE 9] taxonomy...
Updating [BUD 20 T6A LINE 10] taxonomy...
Updating [BUD 20 T6A LINE 11] taxonomy...
Updating [BUD 20 T6A LINE 12] taxonomy...
Updating [BUD 20 T6A LINE 13] taxonomy...
Updating [BUD 20 T6A LINE 14] taxonomy...
Updating [BUD 20 T6A LINE 14 ECODES] taxonomy...
Updating [BUD 20 T6A LINE 14A] taxonomy...
Updating [BUD 20 T6A LINE 15] taxonomy...
Updating [BUD 20 T6A LINE 16] taxonomy...
Updating [BUD 20 T6A LINE 17] taxonomy...
Updating [BUD 20 T6A LINE 18] taxonomy...
Updating [BUD 20 T6A LINE 19] taxonomy...
Updating [BUD 20 T6A LINE 19A] taxonomy...
Updating [BUD 20 T6A LINE 20A] taxonomy...
Updating [BUD 20 T6A LINE 20B] taxonomy...
Updating [BUD 20 T6A LINE 20C] taxonomy...
Updating [BUD 20 T6A LINE 20D] taxonomy...
Updating [BUD 20 T6A LINE 21 CPTS] taxonomy...
Updating [BUD 20 T6A LINE 21 CPTS] taxonomy...
Updating [BUD 20 T6A LINE 21A CPTS] taxonomy...
Updating [BUD 20 T6A LINE 21B CPTS] taxonomy...
Updating [BUD 20 T6A LINE 22 CPTS] taxonomy...
Updating [BUD 20 T6A LINE 22] taxonomy...
Updating [BUD 20 T6A LINE 23 CPTS] taxonomy...
Updating [BUD 20 T6A LINE 23] taxonomy...
Updating [BUD 20 T6A LINE 24 CPTS] taxonomy...
Updating [BUD 20 T6A LINE 24 CVX CODES] taxonomy...
Updating [BUD 20 T6A LINE 24A CPTS] taxonomy...
Updating [BUD 20 T6A LINE 24A CVX CODES] taxonomy...
Updating [BUD 20 T6A LINE 25] taxonomy...
Updating [BUD 20 T6A LINE 26] taxonomy...
Updating [BUD 20 T6A LINE 26 CPTS] taxonomy...
Updating [BUD 20 T6A LINE 26A] taxonomy...
Updating [BUD 20 T6A LINE 26A CPTS] taxonomy...
Updating [BUD 20 T6A LINE 26B CPTS] taxonomy...
Updating [BUD 20 T6A LINE 26C CPTS] taxonomy...
Updating [BUD 20 T6A LINE 26D CPTS] taxonomy...
Updating [BUD 20 T6A LINE 27 CPTS] taxonomy...
Updating [BUD 20 T6A LINE 28 CPTS] taxonomy...
```

```
Updating [BUD 20 T6A LINE 29 CPTS] taxonomy...
Updating [BUD 20 T6A LINE 30 CPTS] taxonomy...
Updating [BUD 20 T6A LINE 31 CPTS] taxonomy...
Updating [BUD 20 T6A LINE 32 CPTS] taxonomy...
Updating [BUD 20 T6A LINE 33 CPTS] taxonomy...
Updating [BUD 20 T6A LINE 34 CPTS] taxonomy...
Updating [BGP IPC DTAP CVX CODES] taxonomy...
Updating [BGP IPC DTAP CPT CODES] taxonomy...
Updating [BUD 20 T6B CONTRA ALL VACCINES] taxonomy...
Updating [BGP IPC HIB CPT CODES] taxonomy...
Updating [BGP IPC PNEUMO CVX CODES] taxonomy...
Updating [BGP IPC PNEUMO CPT CODES] taxonomy...
Updating [BGP IPC HEPA CVX CODES] taxonomy...
Updating [BGP IPC ROTA 3 DOSE CVX CODES] taxonomy...
Updating [BGP IPC CHILD FLU CVX CODES] taxonomy...
Updating [BGP IPC CHILD FLU CPT CODES] taxonomy...
Updating [BUD 20 HPV CPTS] taxonomy...
Updating [BGP IPC HYSTERECTOMY CPTS] taxonomy...
Updating [BGP IPC HPV LOINC CODES] taxonomy...
Updating [BGP IPC MAMMOGRAM LOINC CODES] taxonomy...
Updating [BUD 20 T6B TOBACCO PREV CPTS] taxonomy...
Updating [BUD 20 T6B TOBACCO USER CPTS] taxonomy...
Updating [BUD 20 T6B TOBACCO USER DXS] taxonomy...
Updating [BUD 20 T6B TOBACCO SCREEN DXS] taxonomy...
Updating [BUD 20 T6B TOBACCO SCREEN CPTS] taxonomy...
Updating [BUD 20 T6B ASTHMA PERS DXS] taxonomy...
Updating [BUD 20 T6B ASTHMA PERS CPTS] taxonomy...
Updating [BUD 20 T6B ASTHMA EXCL DXS] taxonomy...
Updating [BUD 20 T6B DENTAL NO SEAL DXS] taxonomy...
Updating [BGP ECQM CABG CPTS] taxonomy...
Updating [BGP ECQM PCI CPTS] taxonomy...
Updating [BUD 20 T6B ESRD IHS DXS] taxonomy...
Updating [BUD 20 T6B ESRD IHS CPTS] taxonomy...
Updating [BUD 20 T6B IVD AMI DXS] taxonomy...
Updating [BUD 20 T6B IVD CABG/PCI CPTS] taxonomy...
Updating [BUD 20 T6B CRC CANCER IHS DXS] taxonomy...
Updating [BUD 20 T6B CRC COLECT IHS CPTS] taxonomy...
Updating [BUD 20 T6B CRC COLO IHS CPTS] taxonomy...
Updating [BUD 20 T6B CRC COLO IHS PROCS] taxonomy...
Updating [BGP IPC CT COLONOGRAPHY CPTS] taxonomy...
Updating [BUD 20 T6B CRC FOBT IHS CPTS] taxonomy...
Updating [BUD 20 T6B HIV HIV DXS] taxonomy...
Updating [BUD 20 T6B HIV FU CPTS] taxonomy...
Updating [BUD 20 T7 ESRD IHS CPTS] taxonomy...
Updating [BUD 20 T7 ESRD IHS PROCS] taxonomy...
Updating [BUD 20 T7 ESRD IHS DXS] taxonomy...
Updating [BUD 20 T7 DIABETES DXS] taxonomy...
Updating [BUD 20 T7 GEST/STEROID DXS] taxonomy...
Updating [BUD 20 T7 HGAI CPTS] taxonomy...
Updating [BUD 20 T5 SUBSTANCE ABUSE DXS] taxonomy...
Updating [BUD 20 T5 MENTAL HEALTH DXS] taxonomy...
Updating [BGP IPC ESRD OPT SRV CPTS] taxonomy...
Updating [BUD 20 VIRTUAL VISIT CPTS] taxonomy...
Updating [BUD 20 T6A LINE 21E CPTS] taxonomy...
Updating [BUD 20 T6A LINE 21E] taxonomy...
Updating [BUD 20 T6A LINE 20E] taxonomy...
Updating [BUD 20 T6A LINE 20F] taxonomy...
Updating [BUD 20 T6A LINE 20F ECODES] taxonomy...
Updating [BUD 20 T6B TOB CESSATION CPTS] taxonomy...
Updating [BUD ECQM HIV TEST LOINC] taxonomy...
Updating [BUD 20 T6A LINE 4C] taxonomy...
Updating [BUD 20 T6A LINE 6A] taxonomy...
```

```
Updating [BUD 20 T6A LINE 21C] taxonomy...
Updating [BUD 20 T6A LINE 21D] taxonomy...
Updating [BGP IPC HYSTERECTOMY CPTS] 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...
Creating BGP PQA STATIN MEDS Taxonomy...
BUD HIV PREP RXNORM
Creating BUD HIV PREP TAX Taxonomy...

Updating Routine file...

Updating KIDS files...

IHS/RPMS UNIFORM DATA SYS 15.0 Installed.
      Sep 15, 2020@11:23:29

Not a VA primary domain

Install Completed
```

Figure 5-1: A sample KIDS installation

Acronym List

Acronym	Term Meaning
BMI	Body Mass Index
BPHC	Bureau of Primary Health Care
CMS	Centers for Medicare and Medicaid Services
CQM	Clinical Quality Measure
CRS	Clinical Reporting System
CY	Calendar Year
HHS	Health and Human Services
HPV	Human Papilloma Virus
HRSA	Health Resources and Services Administration
IHS	Indian Health Service
KIDS	Kernel Installation & Distribution System
OMB	Office of Management and Budget
QI	Quality Improvement
RPMS	Resource and Patient Management System
SNOMED	Systematized Nomenclature of Medicine
UDS	Uniform Data System

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/>

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