



RESOURCE AND PATIENT MANAGEMENT SYSTEM

Uniform Data System

(BUD)

Installation Guide and Release Notes

Version 19.0
January 2025

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) 2024.

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 2024 UDS data by February 15, 2025 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, 2025.

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 2024. 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 19.0

1.1.1 Menu Changes

- Menu Changes:
 - Added **UD24 UDS 2024** ... menu option.
 - Removed **UD22 UDS 2022**... menu option.

1.1.2 Table 4–Selected Patient Characteristics

- Updated Income as Percentage of Poverty Guidelines

1.1.3 Table 6A–Selected Diagnosis and Services Rendered

- Code updates.

1.1.4 Table 6B–Quality of Care Measures

- Aligned many measures with 2024 version of the Center for Medicare and Medicaid Services (CMS) electronic Clinical Quality Measures (eCQM):
 - Section C–Childhood Immunizations: updated to CMSv117v12
 - Section D–Cervical Cancer Screening: updated to CMS 124v12
 - Section D–Breast Cancer Screening: updated to CMS125v12
 - Section E–Weight Assessment and Counseling for Nutrition and Physical Activity of Children and Adolescents: updated to CMS 155v12
 - Section F–Preventive Care and Screening: BMI Screening and Follow-Up: updated to CMS 69v12
 - Section G–Preventative Care and Screening: Tobacco Use: Screening and Cessation Intervention: updated to CMS 138v12
 - Section H–Statin Therapy for the Prevention and Treatment of Cardiovascular Disease: Lipid Therapy updated to CMS 347v7

- Section J–Colorectal Cancer Screening: updated to CMS 130v12
- Section K–HIV Screening: updated to CMS 349v6
- Section L–Preventative Care and Screening: Screening for Depression and Follow-Up Plan: updated to CMS 2v13
- Section L–Depression Remission at Twelve Months: updated to CMS159v12

1.1.5 Table 7–Quality of Care Indicators

- Aligned measures with 2024 version of the CMS eCQM measures:
 - Section B–Controlling High Blood Pressure: updated to CMS 165v12
 - Section C–Diabetes: Hemoglobin A1c (HbA1c) Poor Control (greater than [$>$] 9%): updated to CMS 122v12

1.1.6 Taxonomy Changes

- None

1.1.7 Feature Numbers Included in Release

- 107627–Copy UDS to v19.0 to create new menus and taxonomies
- 107628–Submission Template Excel File updates per HRSA UDS manual
- 107629–Updates to User, Install, Tech, and Security Manuals
- 107630–Table 6B updates per HRSA UDS manual
- 107631–Table 7 updates per HRSA UDS manual
- 111761–Table 4 updates per HRSA UDS manual
- 111762–Table 6A updates per HRSA UDS manual

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 2024 reports are due to BPHC on or before February 15, 2025. 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, 2025.

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: **19.0**

3.1 Contents of Distribution

Table 3-1 lists the files and their descriptions that are included in the BUD V19.0 distribution.

Table 3-1: Contents of BUD v19.0 Distribution

File	Description
bud_1900.k	Kernel Installation & Distribution System (KIDS) file containing software
bud_190i.pdf	Installation guide in PDF format
bud_190t.pdf	Technical manual in PDF format
bud_190u.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 V18.0 (bud_1800.k)
- Clinical Reporting System v24.1 or higher (bgp_2410.k)
- Taxonomy System V5.1 through patch 56 (atx_0510.56k)

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 BUDP* 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_1900.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 ^XPDKRN

KIDS 8.0

Select KIDS OPTION: 1  LOAD A DISTRIBUTION
Enter a Host File: g:\pub\bud\v19\bud_1900.k

KIDS Distribution saved on Oct 21, 2024@08:58:56
Comment: IHS/RPMS UNIFORM DATA SYSTEM V19.0

This Distribution contains Transport Globals for the following Package(s):
Build IHS/RPMS UNIFORM DATA SYS 19.0 has been loaded before, here is when:
      IHS/RPMS UNIFORM DATA SYS 19.0  Install Completed
                                         was loaded on Aug 08, 2024@10:21:02
OK to continue with Load? NO// y  YES

Distribution OK!

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

Build IHS/RPMS UNIFORM DATA SYS 19.0 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES//
      IHS/RPMS UNIFORM DATA SYS 19.0
Will first run the Environment Check Routine, BUDPENV

      Patch "XU*8.0*1018" is installed.
      Patch "DI*22.0*1018" is installed.
      CRS (BGP) Version 24.1 is installed.
      UDS (BUD) Version 18.0 is installed.
      Patch "ATX*5.1*56" is installed.
Use INSTALL NAME: IHS/RPMS UNIFORM DATA SYS 19.0 to install this Distribution.

CMBB>d ^XPDKRN

KIDS 8.0

Select KIDS OPTION: INSTALL PACKAGE(S)
Select INSTALL NAME:      IHS/RPMS UNIFORM DATA SYS 19.0      Loaded from Distribut
ion      10/21/24@09:00:47
      => IHS/RPMS UNIFORM DATA SYSTEM V19.0  ;Created on Oct 21, 2024@08:58:56

This Distribution was loaded on Oct 21, 2024@09:00:47 with header of
      IHS/RPMS UNIFORM DATA SYSTEM V19.0  ;Created on Oct 21, 2024@08:58:56
It consisted of the following Install(s):
IHS/RPMS UNIFORM DATA SYS 19.0
Checking Install for Package IHS/RPMS UNIFORM DATA SYS 19.0
Will first run the Environment Check Routine, BUDPENV

      Patch "XU*8.0*1018" is installed.
      Patch "DI*22.0*1018" is installed.
      CRS (BGP) Version 24.1 is installed.
      UDS (BUD) Version 18.0 is installed.
      Patch "ATX*5.1*56" is installed.

Install Questions for IHS/RPMS UNIFORM DATA SYS 19.0

```

Incoming Files:

90662.901 UDS 24 SITE PARAMETERS

Note: You already have the 'UDS 24 SITE PARAMETERS' File.

90662.902 UDS 24 CONTROL TABLES (including data)

Note: You already have the 'UDS 24 CONTROL TABLES' File.
I will REPLACE your data with mine.

90662.9021UDS 24 TAXONOMIES (including data)

Note: You already have the 'UDS 24 TAXONOMIES' File.
I will REPLACE your data with mine.

90662.9022UDS 24 ETHNICITY MAPPINGS 3B (including data)

Note: You already have the 'UDS 24 ETHNICITY MAPPINGS 3B' File.
I will REPLACE your data with mine.

90662.9023UDS 24 RACE MAPPINGS 3B (including data)

Note: You already have the 'UDS 24 RACE MAPPINGS 3B' File.
I will REPLACE your data with mine.

90662.903 UDS 24 TABLE 3A FORMAT (including data)

Note: You already have the 'UDS 24 TABLE 3A FORMAT' File.
I will REPLACE your data with mine.

90662.9031UDS 24 DELIMITED FORMAT (including data)

Note: You already have the 'UDS 24 DELIMITED FORMAT' File.
I will REPLACE your data with mine.

90662.904 UDS 24 INCOME LEVELS (including data)

Note: You already have the 'UDS 24 INCOME LEVELS' File.
I will REPLACE your data with mine.

90662.905 UDS 24 TABLE 5 FORMAT (including data)

Note: You already have the 'UDS 24 TABLE 5 FORMAT' File.
I will REPLACE your data with mine.

90662.906 UDS 24 LST2 REPORTS (including data)

Note: You already have the 'UDS 24 LST2 REPORTS' File.
I will REPLACE your data with mine.

90662.907 UDS 24 TABLE 6 CODES (including data)

Note: You already have the 'UDS 24 TABLE 6 CODES' File.
I will REPLACE your data with mine.

90662.908 UDS 24 TABLE CODE LISTS (including data)

Note: You already have the 'UDS 24 TABLE CODE LISTS' File.
I will REPLACE your data with mine.


```
Updating [BUD 24 T6A LINE 20D] taxonomy...
Updating [BUD 24 T6A LINE 21 CPTS] taxonomy...
Updating [BUD 24 T6A LINE 21 CPTS] taxonomy...
Updating [BUD 24 T6A LINE 21A CPTS] taxonomy...
Updating [BUD 24 T6A LINE 21B CPTS] taxonomy...
Updating [BUD 24 T6A LINE 22 CPTS] taxonomy...
Updating [BUD 24 T6A LINE 22] taxonomy...
Updating [BUD 24 T6A LINE 23] taxonomy...
Updating [BUD 24 T6A LINE 23 CPTS] taxonomy...
Updating [BUD 24 T6A LINE 24 CPTS] taxonomy...
Updating [BUD 24 T6A LINE 24 CVX CODES] taxonomy...
Updating [BUD 24 T6A LINE 24A CPTS] taxonomy...
Updating [BUD 24 T6A LINE 24A CVX CODES] taxonomy...
Updating [BUD 24 T6A LINE 25] taxonomy...
Updating [BUD 24 T6A LINE 26] taxonomy...
Updating [BUD 24 T6A LINE 26 CPTS] taxonomy...
Updating [BUD 24 T6A LINE 26A] taxonomy...
Updating [BUD 24 T6A LINE 26A CPTS] taxonomy...
Updating [BUD 24 T6A LINE 26B CPTS] taxonomy...
Updating [BUD 24 T6A LINE 26C CPTS] taxonomy...
Updating [BUD 24 T6A LINE 26D CPTS] taxonomy...
Updating [BUD 24 T6A LINE 27 CPTS] taxonomy...
Updating [BUD 24 T6A LINE 28 CPTS] taxonomy...
Updating [BUD 24 T6A LINE 29 CPTS] taxonomy...
Updating [BUD 24 T6A LINE 30 CPTS] taxonomy...
Updating [BUD 24 T6A LINE 31 CPTS] taxonomy...
Updating [BUD 24 T6A LINE 32 CPTS] taxonomy...
Updating [BUD 24 T6A LINE 33 CPTS] taxonomy...
Updating [BUD 24 T6A LINE 34 CPTS] taxonomy...
Updating [BUD 24 T6A LINE 24B] taxonomy...
Updating [BUD 24 HPV CPTS] taxonomy...
Updating [BUD 24 T6B CONTRA ALL VACCINES] taxonomy...
Updating [BUD 24 T6B TOBACCO PREV CPTS] taxonomy...
Updating [BUD 24 T6B TOBACCO USER CPTS] taxonomy...
Updating [BUD 24 T6B TOBACCO USER DXS] taxonomy...
Updating [BUD 24 T6B TOBACCO SCREEN DXS] taxonomy...
Updating [BUD 24 T6B TOBACCO SCREEN CPTS] taxonomy...
Updating [BUD 24 T6B ASTHMA PERS DXS] taxonomy...
Updating [BUD 24 T6B ASTHMA PERS CPTS] taxonomy...
Updating [BUD 24 T6B ASTHMA EXCL DXS] taxonomy...
Updating [BUD 24 T6B DENTAL NO SEAL DXS] taxonomy...
Updating [BUD 24 T6B ADULT UW DXS] taxonomy...
Updating [BGP IPC HBA1C LOINC CODES] taxonomy...
Updating [BUD 24 T6B HYSTERECTOMY PROCS] taxonomy...
Updating [BUD 24 T6A LINE 21E] taxonomy...
Updating [BUD 24 T6B ESRD IHS DXS] taxonomy...
Updating [BUD 24 T6B ESRD IHS CPTS] taxonomy...
Updating [BUD 24 T6B IVD AMI DXS] taxonomy...
Updating [BUD 24 T6B IVD CABG/PCI CPTS] taxonomy...
Updating [BUD 24 T6B CRC CANCER IHS DXS] taxonomy...
Updating [BUD 24 T6B CRC COLECT IHS CPTS] taxonomy...
Updating [BUD 24 T6B CRC COLO IHS CPTS] taxonomy...
Updating [BUD 24 T6B CRC COLO IHS PROCS] taxonomy...
Updating [BUD 24 T6B CRC FOBT IHS CPTS] taxonomy...
Updating [BUD 24 T6B HIV HIV DXS] taxonomy...
Updating [BUD 24 T6B HIV FU CPTS] taxonomy...
Updating [BUD 24 T7 ESRD IHS CPTS] taxonomy...
Updating [BUD 24 T7 ESRD IHS PROCS] taxonomy...
Updating [BUD 24 T7 ESRD IHS DXS] taxonomy...
Updating [BUD 24 T7 DIABETES DXS] taxonomy...
Updating [BUD 24 T7 GEST/STEROID DXS] taxonomy...
Updating [BUD 24 T7 HGA1C CPTS] taxonomy...
```

```
Updating [BUD 24 T5 SUBSTANCE ABUSE DXS] taxonomy...
Updating [BUD 24 T5 MENTAL HEALTH DXS] taxonomy...
Updating [BUD 24 VIRTUAL VISIT CPTS] taxonomy...
Updating [BUD 24 T6A LINE 20E] taxonomy...
Updating [BUD 24 T6A LINE 20F] taxonomy...
Updating [BUD 24 T6B TOB CESSATION CPTS] taxonomy...
Updating [BUD EQM HIV TEST LOINC] taxonomy...
Updating [BUD 24 T6A LINE 4C] taxonomy...
Updating [BUD 24 T6A LINE 21C] taxonomy...
Updating [BUD 24 T6A LINE 21D] taxonomy...
Updating [BUD 24 T6B HIVSCR HIV DXS] taxonomy...
Updating [BUD 24 T6A L24B CVX CODES] taxonomy...
Updating [BUD 24 PALLIATIVE CPTS] taxonomy...
Updating [BUD 24 T6B IHS FLU CVX] taxonomy...
Updating [BUD 24 T6B LAIV CVX] taxonomy...
Updating [BUD 24 T6B HIV HIV DXS] taxonomy...
Updating [BUD 24 T6A LINE 4D] taxonomy...
Updating [BUD 24 T6A LINE 6A] taxonomy...
Updating [BUD 24 T6B LAIV CPTS] taxonomy...
Updating [BUD DIABETES MEDS NDC] taxonomy...
Updating [BUD 24 T6A LINE 26E] taxonomy...
Updating [BUD 24 T6A LINE 26E CPTS] taxonomy...
Updating [BGP IPC PNEUMO CVX CODES] taxonomy...
Updating [BGP IPC PNEUMO CPT CODES] taxonomy...
Updating [BGP IPC CHILD FLU CPT CODES] taxonomy...
Updating [BGP IPC HYSTERECTOMY CPTS] taxonomy...
Updating [BGP IPC ACUTE IP CPTS] taxonomy...
Updating [BGP IPC BELOW NORMAL FU CPTS] taxonomy...
Updating [BGP IPC SIG CPT CODES] taxonomy...
Updating [BUD 24 ADULT UW DXS] taxonomy...
Updating [BUD 24 T6B ADULT OW DXS] taxonomy...
Updating [BUD 24 T6B TOBACCO PREV 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 19.0 Installed.
      Oct 21, 2024@09:01:10

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/>

Email: itsupport@ihs.gov