



RESOURCE AND PATIENT MANAGEMENT SYSTEM

# **IHS Clinical Reporting System**

## **(BGP)**

### **Installation Guide and Release Notes**

Version 9.0  
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Office of Information Technology (OIT)  
Division of Information Resource Management  
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# Table of Contents

<b>1.0</b>	<b>Overview of the IHS Clinical Reporting System.....</b>	<b>1</b>
<b>2.0</b>	<b>Release Notes .....</b>	<b>3</b>
2.1.1	Changes to National GPRA Reports .....	3
2.1.2	Logic Changes to National GPRA and PART Report Measures .....	4
2.1.3	New Non-GPRA Performance Topics Added to Selected Measures (Local) Report .....	5
2.1.4	Key Logic Changes to Non-GPRA Measures .....	6
2.1.5	Additional Key Enhancements and Revisions .....	6
<b>3.0</b>	<b>Installation Notes.....</b>	<b>7</b>
3.1	CRS Distribution Contents and Required Resources .....	7
3.1.1	Contents of Distribution .....	7
3.1.2	Required Resources .....	7
3.2	Before You Begin.....	7
<b>4.0</b>	<b>Installation Instructions .....</b>	<b>9</b>
<b>5.0</b>	<b>Sample Installations.....</b>	<b>11</b>
5.1	Sample Installation of CRS on RPMS Server .....	11
<b>6.0</b>	<b>Contact Information .....</b>	<b>24</b>

## 1.0 Overview of the IHS Clinical Reporting System

The Government Performance and Results Act (GPRA) requires federal agencies to report annually on how the agency measured against the performance targets set in its annual plan. The Indian Health Service (IHS) GPRA measures include measures for clinical prevention and treatment, quality of care, infrastructure, and administrative efficiency functions.

The IHS Clinical Reporting System (CRS) is a Resource and Patient Management System (RPMS) software application designed for national reporting, as well as Area Office and local monitoring of clinical GPRA and developmental measures. CRS was first released for FY 2002 performance measures (as GPRA+) and is based on a design by the Aberdeen Area Office (GPRA 2000).

This manual provides instructions on using the CRS. Version 9.0 adds FY 2009 clinical performance measures to existing FY 2002 through FY 2008 measures.

CRS is the reporting tool used by the IHS Office of Planning and Evaluation to collect and report clinical performance results annually to the Department of Health and Human Services (DHHS) and to Congress.

Each year, an updated version of CRS software is released to reflect changes in the logic descriptions of the different denominators and numerators. Additional performance measures may also be added. Local facilities can run reports as often as they want, and can use CRS to transmit data to their Area Office. The Area Office can use CRS to produce an aggregated Area Office report for either annual GPRA or Area Office Director Performance Reports.

CRS produces reports on demand from local RPMS databases for both GPRA and developmental clinical performance measures that are based on RPMS data, thus eliminating the need for manual chart audits to evaluate and report clinical measures.

To produce reports with comparable data across every facility, the GPRA measures definitions were “translated” into programming code with the assistance of clinical subject matter experts. CRS uses predefined taxonomies to find data items in the RPMS Patient Care Component (PCC) and determine if a patient meets the performance measure criteria. Taxonomies contain groups of codes (e.g., diagnoses or procedures) or site-specific terms. Each performance measure topic has one or more defined denominators and numerators.

Administrative and clinical users can review individual or all measures at any time to:

- 
- Identify potential data issues in their RPMS; for example, missing or incorrect data
  - Monitor their site's performance against past national performance and upcoming agency goals
  - Identify specific areas where the facility is not meeting the measure in order to initiate business process or other changes
  - Quickly measure impact of process changes on performance measures
  - Identify IHS Area Offices meeting or exceeding measures to provide lessons learned

Users of the RPMS CRS include:

- Area Office and site Quality Improvement staff
- Compliance officers
- GPRA coordinators
- Clinical staff, such as physicians, nurses, nurse practitioners, and other providers
- Area Office Directors
- Any staff involved with quality assurance initiatives
- Staff who run the various CRS reports

## 2.0 Release Notes

Note: The CRS graphical user interface (GUI) is *not* updated with CRS version 9.0. It will be updated with CRS version 9.0 Patch 1.

### 2.1.1 Changes to National GPRA Reports

- Renamed report from “National GPRA Report” to “National GPRA and Program Assessment Rating Tool (PART) Report.”
- Moved Breastfeeding Rates measure reported for the PART from the Other National Measures Report to the National GPRA and PART Report.
- Added a GPRA Developmental and PART Measures Clinical Performance summary.
- Added new menu option (SUM) to run *only* the National GPRA and PART Report's three clinical performance summaries for both local and Area Office reports.
- Added new menu option (DPRV) to run the National GPRA and PART Report for a designated primary care provider. The facility must be using the Patient Care Component (PCC) designated provider functionality to run this report.
- Moved the functionality for creating a local file of National GPRA height and weight data from the National GPRA and PART Report to a new menu option (HW).
- For the GPRA Forecast Patient List: (1) fixed a problem for Adult Influenza that showed the patient was due for an immunization when the patient had refused the immunization during the report period, (2) fixed a problem for Colorectal Cancer Screening where the name of the measure was not being displayed, and (3) added Breastfeeding Rates measure to the list. The Forecast will display this measure for all patients age 45-394 days as of the Forecast run date, even if they have had Infant Feeding Choice screening during the report period because patients in this age range should be screened at every visit.

## 2.1.2 Logic Changes to National GPRA and PART Report Measures

- **GPRA Developmental Measures:** Added GPRA developmental measures that are the same as the current GPRA measures, except that refusals are not included for the following: Diabetic Retinopathy; Access to Dental Service; Dental Sealants; Topical Fluoride; Adult Immunizations, Influenza; Adult Immunizations, Pneumovax; Childhood Immunizations 4:3:1:3:3; Pap Smear Rates; Mammogram Rates; Colorectal Cancer Screening; Tobacco Cessation; Alcohol Screening (Fetal Alcohol Syndrome (FAS) Prevention); Intimate Partner Violence/Domestic Violence (IPV/DV) Screening; Depression Screening; Comprehensive Cardiovascular Disease- (CVD-) Related Assessment; and Prenatal Human Immunodeficiency Virus (HIV) Screening.
- **Diabetes: Glycemic Control:** For the rare cases when there is more than one A1c laboratory test for a patient documented on the same day or same visit and one test has a result and the other does not, revised the logic to use the test with a result.
- **Diabetes: LDL Assessment:** For the rare cases when there is more than one LDL laboratory test for a patient documented on the same day or same visit and one test has a result and the other does not, revised the logic to use the test with a result.
- **Diabetes: Nephropathy Assessment:** (1) In the End Stage Renal Disease (ESRD) definition, added HCPCS G0392 and G0393, CPT codes 90951-90970, and V45.11 and V45.12. (2) In the Logical Observation Identifiers Names and Codes (LOINC) taxonomy for quantitative urinary protein assessment (BGP QUANT URINE PROT LOINC), added codes 53121-0, 53530-2, 53531-0, and 53532-8.
- **Childhood Immunizations:** (1) Removed as evidence disease for Diphtheria codes V02.4 and 032\*, Tetanus codes 037\*, Acellular Pertussis 033\*, Polio V12.02, 045\*, and 138, and Hib 038.41, 041.5, 320.0, and 482.2. (2) Added old code CPT 90737 to Hib definition. (3) Added CVX/HL7 code 130 to DTaP and refusal of DTaP definitions. (4) Added as other GPRA developmental measures: (A) 4:3:1:3:3:1 including refusals, (B) 4:3:1:3:3:1 without refusals, (C) 4:3:1:3:3:1:4 including refusals, and (D) 4:3:1:3:3:1:4 without refusals.
- **Pap Smear Rates:** (1) Added current procedural terminology (CPT) codes 58570-58573 to hysterectomy definition. (2) Removed Health Care Financing Administration Common Procedure Coding System (HCPCS) code G0101 from and added International Classification of Diseases (ICD-9) diagnosis codes 795.10-795.16 and 795.19 to pap smear definition. (3) Added code 47528-5 to LOINC taxonomy for pap smear (BGP PAP LOINC CODES).
- **Mammogram Rates:** Removed add-on CPT codes 76083, 77051, and 77052 from mammogram and refusal of mammogram definitions.

- **Colorectal Cancer Screening:** (1) Moved ICD-9 procedure code 45.42 from flexible sigmoidoscopy to colonoscopy for both screening and refusal of screening. (2) Removed old CPT code 45325 from colonoscopy because it was never included in any IHS CPT file. (3) Added code 50196-5 to LOINC taxonomy for Fecal Occult Blood Test (FOBT) definition (BGP FOBT LOINC CODES).
- **Childhood Weight Control:** (1) Changed measure from annual GPRA measure to long-term measure. (2) Changed “at risk for overweight” to “overweight” and “overweight” to “obese.”
- **Comprehensive CVD-Related Assessment:** Added Body Mass Index (BMI) refusal and BMI without refusal measures.
- **Prenatal HIV Screening:** For pregnancy definition, (1) revised logic from looking for the *last* two pregnancy diagnoses during the 20-month period to the *first* two diagnoses during the 20-month period. (2) Corrected logic to look for an abortion/miscarriage after the second pregnancy diagnosis. Previously, the logic was looking after the date of the first pregnancy diagnosis it found (which represented the patient's next to last diagnosis). (3) Corrected the logic used to determine if the patient has at least one pregnancy diagnosis that occurs during the report period. Previously, the logic required the next to the last pregnancy diagnosis to occur during the report period. Now, it looks at all of the patient's pregnancy diagnoses during the 20-month period to determine if at least one of them occurs during the report period. It does not require that the first two diagnoses occur during the report period.

Note: This change was made for all performance measure topics, both GPRA and non-GPRA, included in all reports that use the same definition of pregnancy.

### 2.1.3 New Non-GPRA Performance Topics Added to Selected Measures (Local) Report

- **Stroke and Stroke Rehabilitation:** Anticoagulant Therapy Prescribed for Atrial Fibrillation at Discharge (also included in the Executive Order (EO) Quality Transparency Measures Report)
- **Assessment of Oxygen Saturation for Community-Acquired Bacterial Pneumonia** (also included in the EO Quality Transparency Measures Report)

## 2.1.4 Key Logic Changes to Non-GPRA Measures

- For key logic changes to non-GPRA measures, please refer to the CRS 2009 (v9.0) Selected Measures Report Performance Measure List and Definitions document located on the CRS website ([http://www.ihs.gov/cio/crs/documents/CRS2009\\_V9%20SelectedMeasuresLogic\\_05\\_13\\_2009.pdf](http://www.ihs.gov/cio/crs/documents/CRS2009_V9%20SelectedMeasuresLogic_05_13_2009.pdf))

## 2.1.5 Additional Key Enhancements and Revisions

- Added the performance measure topics listed below to the EO Quality Transparency Measures Report. The measures will also be reported on the IHS Quality of Care web site by September 30, 2009.
  - Influenza 65+
  - Pneumovax 65+
  - Controlling High Blood Pressure
  - Cholesterol Management in Patients with Cardiovascular Conditions
  - Persistence of Beta Blocker Treatment after a Heart Attack
- Added new menu option (P3) to run the Patient Education Report for a patient panel (i.e. search template of patients).
- Updated CRS 2007 Version 7.0 (not CRS 2009 Version 9.0), National GPRA Reports menu by adding menu option “XP9” to create a comprehensive GPRA export for GPRA year 2009. This data will be based on performance measure logic contained in CRS 2007 Version 7.0.



## 3.0 Installation Notes

**Note:** Read the entire Notes File prior to attempting any installation.

**Prefix:** BGP

**Current Version:** 9.0

### 3.1 CRS Distribution Contents and Required Resources

#### 3.1.1 Contents of Distribution

File	Description
bgp_0900.k	Kernel Installation and Distribution System (KIDS) file containing software
bgp_090i.pdf	Installation guide in PDF format (this manual)
bgp_090t.pdf	Technical Manual in PDF format
bgp_090u.pdf	User Manual in PDF format

#### 3.1.2 Required Resources

- Kernel v8.0 or higher
- FileMan v21 or higher
- IHS PCC Suite v1.0 through Patch 2 (bjpc\*1.0\*2)
- IHS Clinical Reporting System v8.0 through Patch 3 (bgp\*8.0\*3)

### 3.2 Before You Begin

- Make a copy of this distribution for offline storage
- Print all notes/readme files
- Create a printed audit trail, in case there are any problems with the installation

To capture terminal output during the installation, use an auxport printer attached to the terminal on which you are performing the installation.

**Note:** This installation is a KIDS install. If you have any questions on how to do a KIDS installation, please contact your Area Office information systems support personnel.

## 4.0 Installation Instructions

**Note:** *Important.* This distribution of the IHS CRS contains version 9.0 of the software. The CRS graphical user interface is *not* updated with CRS version 9.0. It will be updated with CRS version 9.0 Patch 1.

In all UCIs running the IHS Clinical Reporting System:

1. Ensure that users are unable to use the CRS for the duration of this installation
2. Save all routines (^%RS (MSM) or ^%RO (CACHE)) and globals (^%GS (MSM) or ^%GO (CACHE)) in the BGP8\* namespace for use in returning to your existing version, if needed

**Notes:**

1. *Do not* delete any of these routines prior to installation.
2. If this is a first install, there will be no routines or globals in this namespace.
3. If no problems are noted with the new installation, you can remove saved routines from your system 7-10 days after this install.

3. Install bgp\_0900.k. This file is the KIDS file for the IHS CRS.
  - a. Load the distribution into KIDS using Option 1 on the KIDS Installation menu. The distribution was released in a file named bgp\_0900.k
  - b. Verify the load using Option 2 on the KIDS Installation menu.
  - c. Consider using Options 3 and 4 on the KIDS Installation menu to print and compare the Transport global.
  - d. For results, use the KIDS Install File Print option to view/print the IHS CLINICAL REPORTING SYSTEM V9.0 entry.

**Note:** If you need assistance with a KIDS install, call your Area Office support personnel.

4. After the install completes, assign security keys, as appropriate, using the following table.

<b>Name</b>	<b>Descriptive Name</b>	<b>Description</b>
BGPZAREA	BGP Area Report	This key unlocks the Area Office report options on the main BGPMENU. Note: This key should be assigned <i>only</i> at the Area Office level.
BGPZMENU	BGP Main Menu – CRS	This key unlocks the main CRS menu. It should be assigned to all users who need to run GPRA/CRS reports.
BGPZ PATIENT LISTS	BGP Patient Lists	This key allows the holder to obtain patient lists. The patient lists contain sensitive patient/clinical information. This key should be given <i>only</i> to those users who have a need for such information.
BGPZ SITE PARAMETERS	BGP Site Parameters	This key should be given to those with authority to update the site parameters.
BGPZ TAXONOMY EDIT	BGP Taxonomy Edit	This key should be given <i>only</i> to users who will need to update taxonomies.

## 5.0 Sample Installations

### 5.1 Sample Installation of CRS on RPMS Server

```

Select Kernel Installation & Distribution System Option:

KIDS   Kernel Installation & Distribution System ...
NTEG   Build an 'NTEG' routine for a package
PG     Programmer mode
       Calculate and Show Checksum Values
       Clean Error Trap
       Delete Unreferenced Options
       Error Processing ...
       Global Block Count
       List Global
       Map Pointer Relations
       Number base changer
       Routine Tools ...
       Test an option not in your menu

Select Programmer Options Option: KIDS <Enter> Kernel Installation & Distribution
System

       Edits and Distribution ...
       Utilities ...
       Installation ...

Select Kernel Installation & Distribution System Option: Installation <Enter>

1      Load a Distribution
2      Verify Checksums in Transport Global
3      Print Transport Global
4      Compare Transport Global to Current System
5      Backup a Transport Global
6      Install Package(s)
       Restart Install of Package(s)
       Unload a Distribution

Select Installation Option: 1 <Enter> Load a Distribution
Enter a Host File: c:\pathname\bgp_0900.k <Enter>

KIDS Distribution saved on Jun 07, 2009@16:52:07
Comment: IHS CLINICAL REPORTING V9.0 6-7-09

This Distribution contains Transport Globals for the following Package(s):
Build IHS CLINICAL REPORTING 9.0 has been loaded before, here is when:
  IHS CLINICAL REPORTING 9.0   Install Completed
                               was loaded on May 14, 2009@14:12:42
  IHS CLINICAL REPORTING 9.0   Install Completed
                               was loaded on May 28, 2009@20:23:38

```

```
OK to continue with Load? NO// y YES

Distribution OK!

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

Build IHS CLINICAL REPORTING 9.0 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES//
  IHS CLINICAL REPORTING 9.0
Will first run the Environment Check Routine, BGP9POS

          Patch "BGP*8.0*3" is installed.
Use INSTALL NAME: IHS CLINICAL REPORTING 9.0 to install this Distribution.

1      Load a Distribution
2      Verify Checksums in Transport Global
3      Print Transport Global
4      Compare Transport Global to Current System
5      Backup a Transport Global
6      Install Package(s)
       Restart Install of Package(s)
       Unload a Distribution

Select Installation Option: install Package(s)
Select INSTALL NAME:      IHS CLINICAL REPORTING 9.0      Loaded from Distribution
      Loaded from Distribution 6/7/09@16:08:14
      => IHS CLINICAL REPORTING V9.0 6-7-09 ;Created on Jun 07, 2009@16:52:07

This Distribution was loaded on Jun 07, 2009@16:08:14 with header of
  IHS CLINICAL REPORTING V9.0 6-7-09 ;Created on Jun 07, 2009@16:52:07
It consisted of the following Install(s):
IHS CLINICAL REPORTING 9.0
Checking Install for Package IHS CLINICAL REPORTING 9.0
Will first run the Environment Check Routine, BGP9POS

          Patch "BGP*8.0*3" is installed.

Install Questions for IHS CLINICAL REPORTING 9.0

Incoming Files:

90241.01  BGP CONTROL FILE  (including data)
```

Note: You already have the 'BGP CONTROL FILE' File.  
I will OVERWRITE your data with mine.

90241.02 BGP SITE PARAMETERS

Note: You already have the 'BGP SITE PARAMETERS' File.

90241.03 BGP SUMMARY CATEGORIES (including data)

Note: You already have the 'BGP SUMMARY CATEGORIES' File.  
I will OVERWRITE your data with mine.

90536.01 BGP 09 MEASURES (including data)

Note: You already have the 'BGP 09 MEASURES' File.  
I will OVERWRITE your data with mine.

90536.02 BGP 09 INDIVIDUAL MEASURES (including data)

Note: You already have the 'BGP 09 INDIVIDUAL MEASURES' File.  
I will OVERWRITE your data with mine.

90536.03 BGP 09 DATA CURRENT

Note: You already have the 'BGP 09 DATA CURRENT' File.

90536.04 BGP 09 DATA PREVIOUS

Note: You already have the 'BGP 09 DATA PREVIOUS' File.

90536.05 BGP 09 DATA BASELINE

Note: You already have the 'BGP 09 DATA BASELINE' File.

90536.06 BGP 09 NATIONAL PATIENT LISTS (including data)

Note: You already have the 'BGP 09 NATIONAL PATIENT LISTS' File.  
I will OVERWRITE your data with mine.

90536.08 BGP 09 TAXONOMIES (including data)

Note: You already have the 'BGP 09 TAXONOMIES' File.  
I will OVERWRITE your data with mine.

90536.09 BGP 09 TAXONOMY TEMP (including data)

Note: You already have the 'BGP 09 TAXONOMY TEMP' File.  
I will OVERWRITE your data with mine.

90536.11 BGP 09 XP OUTPUT  
Note: You already have the 'BGP 09 XP OUTPUT' File.

90536.12 BGP 09 PATIENT ED DATA CURRENT  
Note: You already have the 'BGP 09 PATIENT ED DATA CURRENT' File.

90536.13 BGP 09 PATIENT ED DATA PREVIOUS  
Note: You already have the 'BGP 09 PATIENT ED DATA PREVIOUS' File.

90536.14 BGP 09 PATIENT ED DATA BASELINE  
Note: You already have the 'BGP 09 PATIENT ED DATA BASELINE' File.

90536.15 BGP 09 PAT ED MEASURES (including data)  
Note: You already have the 'BGP 09 PAT ED MEASURES' File.  
I will OVERWRITE your data with mine.

90536.17 BGP 09 ICARE GROUPS (including data)  
Note: You already have the 'BGP 09 ICARE GROUPS' File.  
I will OVERWRITE your data with mine.

90536.18 BGP 09 ICARE CATEGORIES (including data)  
Note: You already have the 'BGP 09 ICARE CATEGORIES' File.  
I will OVERWRITE your data with mine.

90537.01 BGP 09 HEDIS MEASURES (including data)  
Note: You already have the 'BGP 09 HEDIS MEASURES' File.  
I will OVERWRITE your data with mine.

90537.02 BGP 09 HEDIS INDIVIDUAL MEASURES (including data)  
Note: You already have the 'BGP 09 HEDIS INDIVIDUAL MEASURES' File.  
I will OVERWRITE your data with mine.

90537.03 BGP 09 HEDIS DATA CURRENT  
Note: You already have the 'BGP 09 HEDIS DATA CURRENT' File.

90537.04 BGP 09 HEDIS DATA PREVIOUS  
Note: You already have the 'BGP 09 HEDIS DATA PREVIOUS' File.



90537.05 BGP 09 HEDIS DATA BASELINE  
Note: You already have the 'BGP 09 HEDIS DATA BASELINE' File.

90537.08 BGP 09 GUI REPORT OUTPUT  
Note: You already have the 'BGP 09 GUI REPORT OUTPUT' File.

90538.01 BGP 09 CMS MEASURES (including data)  
Note: You already have the 'BGP 09 CMS MEASURES' File.  
I will OVERWRITE your data with mine.

90538.02 BGP 09 ELDER INDIVIDUAL MEASURES (including data)  
Note: You already have the 'BGP 09 ELDER INDIVIDUAL MEASURES' File.  
I will OVERWRITE your data with mine.

90538.03 BGP 09 ELDER DATA CURRENT  
Note: You already have the 'BGP 09 ELDER DATA CURRENT' File.

90538.04 BGP 09 ELDER DATA PREVIOUS  
Note: You already have the 'BGP 09 ELDER DATA PREVIOUS' File.

90538.05 BGP 09 ELDER DATA BASELINE  
Note: You already have the 'BGP 09 ELDER DATA BASELINE' File.

90538.06 BGP 09 ELDER MEASURES (including data)  
Note: You already have the 'BGP 09 ELDER MEASURES' File.  
I will OVERWRITE your data with mine.

90538.07 BGP 09 CMS PATIENT LISTS (including data)  
Note: You already have the 'BGP 09 CMS PATIENT LISTS' File.  
I will OVERWRITE your data with mine.

90538.08 BGP 09 EO MEASURES (including data)  
Note: You already have the 'BGP 09 EO MEASURES' File.  
I will OVERWRITE your data with mine.

90538.09 BGP 09 EO INDIVIDUAL MEASURES (including data)  
Note: You already have the 'BGP 09 EO INDIVIDUAL MEASURES' File.  
I will OVERWRITE your data with mine.



```
.....
Installing Data Dictionaries:
.....
.....
          Jun 07, 2009@16:10:06

Installing Data:
          Jun 07, 2009@16:10:46

Installing PACKAGE COMPONENTS:

Installing INPUT TEMPLATE

Installing PROTOCOL

Installing REMOTE PROCEDURE

Installing LIST TEMPLATE

Installing OPTION
          Jun 07, 2009@16:10:52

Running Post-Install Routine: POST^BGP9POS
Updating [BGP ABNORMAL GAIT OR MOBILITY] taxonomy...
Updating [BGP ABORTION PROCEDURES] taxonomy...
Updating [BGP ACUTE MENTAL HEALTH] taxonomy...
Updating [BGP ALCOHOL DXS] taxonomy...
Updating [BGP ALCOHOL HLTH FACTOR] taxonomy...
Updating [BGP ALCOHOL PROCEDURES] taxonomy...
Updating [BGP ALCOHOL SCREEN ICDS] taxonomy...
Updating [BGP ALCOHOL SCREENING CPTS] taxonomy...
Updating [BGP ALT CPT] taxonomy...
Updating [BGP ALT LOINC] taxonomy...
Updating [BGP AMI DXS (HEDIS)] taxonomy...
Updating [BGP AMI DXS PAMT] taxonomy...
Updating [BGP AMI IND 30] taxonomy...
Updating [BGP ANTIDEPRESSANT VA CLASS] taxonomy...
Updating [BGP ASA ALLERGY 995.0-995.3] taxonomy...
Updating [BGP AST CPT] taxonomy...
Updating [BGP AST LOINC] taxonomy...
Updating [BGP ASTHMA CONTROLLER NDC] taxonomy...
Updating [BGP ASTHMA DXS] taxonomy...
Updating [BGP ASTHMA INHALED STEROID NDC] taxonomy...
Updating [BGP ASTHMA LEUKOTRIENE NDC] taxonomy...
Updating [BGP BE CPTS] taxonomy...
Updating [BGP MASTECTOMY CPTS] taxonomy...
Updating [BGP BLOOD CULTURE LOINC] taxonomy...
Updating [BGP BMD CPTS] taxonomy...
Updating [BGP BMD DXS] taxonomy...
Updating [BGP BMD PROCEDURES] taxonomy...
Updating [BGP BNI CPTS] taxonomy...
Updating [BGP CABG CPTS] taxonomy...
Updating [BGP CABG PROCS] taxonomy...
Updating [BGP CAUSE OF INJURY ECODES] taxonomy...
Updating [BGP CBC CPT] taxonomy...
Updating [BGP CBC LOINC] taxonomy...
Updating [BGP CD4 CPTS] taxonomy...
Updating [BGP CD4 LOINC CODES] taxonomy...
```

```
Updating [BGP CHLAMYDIA CPTS] taxonomy...
Updating [BGP CHLAMYDIA LOINC CODES] taxonomy...
Updating [BGP CHLAMYDIA TEST PROCEDURES] taxonomy...
Updating [BGP CHOLESTEROL LOINC CODES] taxonomy...
Updating [BGP CMS 2/3 HEART BLOCK DXS] taxonomy...
Updating [BGP CMS ABD HYSTERECTOMY PROCS] taxonomy...
Updating [BGP CMS ABG CPTS] taxonomy...
Updating [BGP CMS ABG LOINC] taxonomy...
Updating [BGP CMS ACEI MEDS CLASS] taxonomy...
Updating [BGP CMS ALLERGY POV DXS] taxonomy...
Updating [BGP CMS ALLERGY DX FOR POV] taxonomy...
Updating [BGP CMS AMI DXS] taxonomy...
Updating [BGP CMS ANGIOEDEMA DXS] taxonomy...
Updating [BGP CMS ANTI-PLATELET CLASS] taxonomy...
Updating [BGP CMS ANTIBIOTICS MEDS CLASS] taxonomy...
Updating [BGP CMS AORTIC STENOSIS DXS] taxonomy...
Updating [BGP CMS ARB MEDS CLASS] taxonomy...
Updating [BGP CMS BETA BLOCKER CLASS] taxonomy...
Updating [BGP CMS BETA BLOCKER NDC] taxonomy...
Updating [BGP CMS BLOOD CULTURE PROC] taxonomy...
Updating [BGP CMS BONE MARROW CPT] taxonomy...
Updating [BGP CMS BONE MARROW PROC] taxonomy...
Updating [BGP CMS BRADYCARDIA DXS] taxonomy...
Updating [BGP CMS CABG PROCEDURES] taxonomy...
Updating [BGP CMS CARDIAC CATH/LV PROCS] taxonomy...
Updating [BGP CMS CHEST XRAY CPT] taxonomy...
Updating [BGP CMS CHEST XRAY PROC] taxonomy...
Updating [BGP CMS CHRONIC DIALYSIS CPTS] taxonomy...
Updating [BGP CMS CHRONIC DIALYSIS DXS] taxonomy...
Updating [BGP CMS CIRCULATORY SHOCK DXS] taxonomy...
Updating [BGP CMS COLON SURGERY PROCS] taxonomy...
Updating [BGP CMS CT SCAN CPT] taxonomy...
Updating [BGP CMS CT SCAN PROC] taxonomy...
Updating [BGP CMS CYSTIC FIBROSIS DXS] taxonomy...
Updating [BGP CMS ECHOCARDIOGRAM PROCS] taxonomy...
Updating [BGP CMS EJECTION FRACTION CPTS] taxonomy...
Updating [BGP CMS EJECTION FRACTION PROC] taxonomy...
Updating [BGP CMS HEART FAILURE DXS] taxonomy...
Updating [BGP CMS HIP ARTHROPLASTY PROCS] taxonomy...
Updating [BGP CMS HYPERKALEMIA DXS] taxonomy...
Updating [BGP CMS HYPOTENSION DXS] taxonomy...
Updating [BGP CMS INFECTIOUS DXS] taxonomy...
Updating [BGP CMS KNEE ARTHROPLASTY PROC] taxonomy...
Updating [BGP CMS LEUKEMIA DXS] taxonomy...
Updating [BGP CMS LVSD DXS] taxonomy...
Updating [BGP CMS LYMPHOMA DXS] taxonomy...
Updating [BGP CMS MAJOR SURGERY PROCS] taxonomy...
Updating [BGP CMS NUCLEAR MEDICINE PROCS] taxonomy...
Updating [BGP CMS OTHER CARDIAC PROCS] taxonomy...
Updating [BGP CMS OTHER INFECTION DXS] taxonomy...
Updating [BGP CMS PACEMAKER CPTS] taxonomy...
Updating [BGP CMS PACEMAKER DXS] taxonomy...
Updating [BGP CMS PACEMAKER PROCS] taxonomy...
Updating [BGP CMS PCI-PTCA CPTS] taxonomy...
Updating [BGP CMS PCI-PTCA DXS] taxonomy...
Updating [BGP CMS PCI-PTCA PROCEDURES] taxonomy...
Updating [BGP CMS PNEUMONIA DXS] taxonomy...
Updating [BGP CMS POST-OPERATIVE INF DXS] taxonomy...
Updating [BGP CMS RADIATION THER DXS] taxonomy...
Updating [BGP CMS RENAL ART STEN DXS] taxonomy...
Updating [BGP CMS RENAL DISEASE DXS] taxonomy...
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Updating [BGP CMS SEPTI/RESP FAIL DXS] taxonomy...
Updating [BGP CMS SMOKING CESSATION NDC] taxonomy...
Updating [BGP CMS VAG HYSTERECTOMY PROCS] taxonomy...
Updating [BGP CMS VASCULAR SURGERY PROCS] taxonomy...
Updating [BGP CMS WOUND CARE DXS] taxonomy...
Updating [BGP COLO CPTS] taxonomy...
Updating [BGP COLO PROCS] taxonomy...
Updating [BGP COLORECTAL CANCER CPTS] taxonomy...
Updating [BGP COLORECTAL CANCER DXS] taxonomy...
Updating [BGP COPD DXS] taxonomy...
Updating [BGP COPD DXS BB CONT] taxonomy...
Updating [BGP CPT ABORTION] taxonomy...
Updating [BGP CPT FLU] taxonomy...
Updating [BGP CPT HIV TESTS] taxonomy...
Updating [BGP CPT MAMMOGRAM] taxonomy...
Updating [BGP CPT MAMMOGRAM HEDIS] taxonomy...
Updating [BGP CPT MISCARRIAGE] taxonomy...
Updating [BGP CPT PAP] taxonomy...
Updating [BGP CREATINE KINASE LOINC] taxonomy...
Updating [BGP CREATININE CPTS] taxonomy...
Updating [BGP CREATININE LOINC CODES] taxonomy...
Updating [BGP CRS LVAD/HEART TRANS PROC] taxonomy...
Updating [BGP DEPRESSIVE DISORDERS] taxonomy...
Updating [BGP DIASTOLIC BP CPTS] taxonomy...
Updating [BGP DIPHTHERIA EVIDENCE] taxonomy...
Updating [BGP DM EYE EXAM CPTS] taxonomy...
Updating [BGP DM RETINAL EXAM CPTS] taxonomy...
Updating [BGP DV DXS] taxonomy...
Updating [BGP EMPHYSEMA DXS] taxonomy...
Updating [BGP ESRD CPTS] taxonomy...
Updating [BGP ESRD DXS] taxonomy...
Updating [BGP ESRD PMS DXS] taxonomy...
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Updating [BGP EYE EXAM CPTS] taxonomy...
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Updating [BGP FLU IZ CVX CODES] taxonomy...
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Updating [BGP FLU IZ PROCEDURES] taxonomy...
Updating [BGP FOBT CPTS] taxonomy...
Updating [BGP FOBT DXS] taxonomy...
Updating [BGP FOBT LOINC CODES] taxonomy...
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Updating [BGP FRACTURE DXS] taxonomy...
Updating [BGP FRACTURE PROCEDURES] taxonomy...
Updating [BGP GLUCOSE CPTS] taxonomy...
Updating [BGP GLUCOSE LOINC] taxonomy...
Updating [BGP GPRA PREGNANCY DIAGNOSES] taxonomy...
Updating [BGP GPRA SMOKING DXS] taxonomy...
Updating [BGP GROUP A STREP CPT] taxonomy...
Updating [BGP GROUP A STREP LOINC] taxonomy...
Updating [BGP HDL LOINC CODES] taxonomy...
Updating [BGP HEART FAILURE DXS] taxonomy...
Updating [BGP HEDIS AMPHETAMINE NDC] taxonomy...
Updating [BGP HEDIS ANALGESIC NDC] taxonomy...
Updating [BGP HEDIS ANALGESIC NDC] taxonomy...
Updating [BGP HEDIS ANTIANXIETY NDC] taxonomy...
Updating [BGP HEDIS ARB NDC] taxonomy...
Updating [BGP HEDIS ASTHMA INHALED NDC] taxonomy...
Updating [BGP HEDIS ASTHMA LEUK NDC] taxonomy...
Updating [BGP HEDIS ASTHMA NDC] taxonomy...
Updating [BGP HEDIS BARBITURATE NDC] taxonomy...
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Updating [BGP HEDIS BELLADONNA ALKA NDC] taxonomy...
Updating [BGP HEDIS BENZODIAZEPINE NDC] taxonomy...
Updating [BGP HEDIS CALCIUM CHANNEL NDC] taxonomy...
Updating [BGP HEDIS GASTRO ANTISPASM NDC] taxonomy...
Updating [BGP HEDIS NARCOTIC NDC] taxonomy...
Updating [BGP HEDIS NEPHROPTHY SCR LOINC] taxonomy...
Updating [BGP HEDIS ORAL ESTROGEN NDC] taxonomy...
Updating [BGP HEDIS ORAL HYPOGLYCEMIC ND] taxonomy...
Updating [BGP HEDIS OSTEOPOROSIS NDC] taxonomy...
Updating [BGP HEDIS OTHER BENZO NDC] taxonomy...
Updating [BGP HEDIS OTHER NDC AVOID ELD] taxonomy...
Updating [BGP HEDIS PAP SMEAR DXS] taxonomy...
Updating [BGP HEDIS PRIMARY ASTHMA NDC] taxonomy...
Updating [BGP HEDIS RETINAL SCREENING] taxonomy...
Updating [BGP HEDIS RETINAL SCRIN PROCS] taxonomy...
Updating [BGP HEDIS VASODILATOR NDC] taxonomy...
Updating [BGP HEP EVIDENCE] taxonomy...
Updating [BGP HEPATITIS CPTS] taxonomy...
Updating [BGP HGBA1C CPTS] taxonomy...
Updating [BGP HGBA1C LOINC CODES] taxonomy...
Updating [BGP HIB EVIDENCE] taxonomy...
Updating [BGP HIV TEST LOINC CODES] taxonomy...
Updating [BGP HIV VIRAL LOAD CPTS] taxonomy...
Updating [BGP HIV/AIDS DXS] taxonomy...
Updating [BGP HYPERTENSION DXS] taxonomy...
Updating [BGP HYPOTENSION DXS] taxonomy...
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Updating [BGP HYSTERECTOMY DXS] taxonomy...
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Updating [BGP HYSTERECTOMY PROCEDURES] taxonomy...
Updating [BGP IHD DXS] taxonomy...
Updating [BGP INJURY DIAGNOSES] taxonomy...
Updating [BGP IPV/DV COUNSELING ICDS] taxonomy...
Updating [BGP ISCHEMIC HEART DXS] taxonomy...
Updating [BGP IVD DXS] taxonomy...
Updating [BGP LBBB ON ECG CPT] taxonomy...
Updating [BGP LBBB ON ECG PROC] taxonomy...
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Updating [BGP LIVER FUNCTION LOINC] taxonomy...
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Updating [BGP LVAD/HEART TRANSPLANT PROC] taxonomy...
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Updating [BGP MAJOR DEPRESSION PRIOR] taxonomy...
Updating [BGP MAJOR DEPRESSIVE DISORDERS] taxonomy...
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Updating [BGP MAMMOGRAM PROCEDURES] taxonomy...
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Updating [BGP MEASLES EVIDENCE] taxonomy...
Updating [BGP MH OPT VISIT CPT NMH 1] taxonomy...
Updating [BGP MH OPT VISIT CPT NMH 3] taxonomy...
Updating [BGP MICROALBUM LOINC CODES] taxonomy...
Updating [BGP MISCARRIAGE/ABORTION DXS] taxonomy...
Updating [BGP MMR CONTRAINDICATIONS] taxonomy...
Updating [BGP MOOD DISORDERS] taxonomy...
Updating [BGP MUMPS EVIDENCE] taxonomy...
Updating [BGP MYOPATHY/MYALGIA] taxonomy...
Updating [BGP NEPHROPATHY CPTS] taxonomy...
Updating [BGP NEPHROPATHY DXS] taxonomy...
Updating [BGP NEPHROPATHY PROCEDURES] taxonomy...

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Updating [BGP OA GLUCOCORTICOIDS CLASS] taxonomy...
Updating [BGP OPT MH VISIT CPTS MH] taxonomy...
Updating [BGP OPT MH VISIT POVS] taxonomy...
Updating [BGP OPV CONTRAINDICATIONS] taxonomy...
Updating [BGP OPV EVID DISEASE] taxonomy...
Updating [BGP OSTEO SCREEN CPTS] taxonomy...
Updating [BGP OSTEOARTHRITIS DXS] taxonomy...
Updating [BGP OSTEOPOROSIS DXS] taxonomy...
Updating [BGP PAP ICDS] taxonomy...
Updating [BGP PAP LOINC CODES] taxonomy...
Updating [BGP PAP PROCEDURES] taxonomy...
Updating [BGP PAP SMEAR DXS] taxonomy...
Updating [BGP PCR LOINC CODES] taxonomy...
Updating [BGP PERTUSSIS EVIDENCE] taxonomy...
Updating [BGP PHARYNGITIS DXS] taxonomy...
Updating [BGP PNEUMO IZ PROCEDURES] taxonomy...
Updating [BGP PNEUMO IZ DXS] taxonomy...
Updating [BGP PNEUMO IZ CPTS] taxonomy...
Updating [BGP POISONINGS SUBSTANCE ABUSE] taxonomy...
Updating [BGP POTASSIUM LOINC] taxonomy...
Updating [BGP PRE DM MET SYN DX] taxonomy...
Updating [BGP PTCA CPTS] taxonomy...
Updating [BGP PTCA PROCS] taxonomy...
Updating [BGP QUANT URINE PROT LOINC] taxonomy...
Updating [BGP RA AZATHIOPRINE NDC] taxonomy...
Updating [BGP RA CYCLOSPORINE NDC] taxonomy...
Updating [BGP RA GLUCOCORTICOIDS CLASS] taxonomy...
Updating [BGP RA IM GOLD NDC] taxonomy...
Updating [BGP RA LEFLUNOMIDE NDC] taxonomy...
Updating [BGP RA METHOTREXATE NDC] taxonomy...
Updating [BGP RA MYCOPHENOLATE NDC] taxonomy...
Updating [BGP RA PENICILLAMINE NDC] taxonomy...
Updating [BGP RA SULFASALAZINE NDC] taxonomy...
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Updating [BGP SIG PROCS] taxonomy...
Updating [BGP SINUS BRADYCARDIA DXS] taxonomy...
Updating [BGP SMOKELESS TOBACCO CPTS] taxonomy...
Updating [BGP SMOKER CPTS] taxonomy...
Updating [BGP SMOKING CPTS] taxonomy...
Updating [BGP ST ELEVATION DX] taxonomy...
Updating [BGP SUBSTANCE ABUSE] taxonomy...
Updating [BGP SYSTOLIC BP CPTS] taxonomy...
Updating [BGP THROMBOLYTIC AGENT CLASS] taxonomy...
Updating [BGP TIA DXS] taxonomy...
Updating [BGP TOBACCO CESS DENTAL CODE] taxonomy...
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Updating [BGP TOBACCO USE CPTS] taxonomy...
Updating [BGP TOBACCO USER HLTH FACTORS] taxonomy...
Updating [BGP TOBACCO USER DXS] taxonomy...
Updating [BGP TOTAL COLECTOMY CPTS] taxonomy...
Updating [BGP TOTAL COLECTOMY PROCS] taxonomy...
Updating [BGP TOTAL CHOLESTEROL LOINC] taxonomy...
Updating [BGP TRIGLYCERIDE LOINC CODES] taxonomy...
Updating [BGP URI DXS] taxonomy...
Updating [BGP URINE GLUCOSE LOINC] taxonomy...
Updating [BGP URINE PROTEIN LOINC CODES] taxonomy...
Updating [BGP VARICELLA CONTRA] taxonomy...
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Updating [BGP VARICELLA EVIDENCE] taxonomy...
Updating [BGP VIRAL LOAD LOINC CODES] taxonomy...
Updating [BGP COLO DXS] taxonomy...
Creating BGP CMS WARFARIN MEDS Taxonomy...
Creating BGP CMS ACEI MEDS Taxonomy...
Creating BGP CMS BETA BLOCKER MEDS Taxonomy...
Creating BGP CMS ANTIBIOTIC MEDS Taxonomy...
Creating BGP CMS ARB MEDS Taxonomy...
Creating DM AUDIT ASPIRIN DRUGS Taxonomy...
Creating BGP ANTI-PLATELET DRUGS Taxonomy...
Creating BGP HEDIS OSTEOPOROSIS DRUGS Taxonomy...
Creating BGP ASTHMA CONTROLLERS Taxonomy...
Creating BGP ASTHMA INHALED STEROIDS Taxonomy...
Creating BGP ASTHMA LEUKOTRIENE Taxonomy...
Creating BGP HEDIS ANTIDEPRESSANT MEDS Taxonomy...
Creating BGP RA OA NSAID MEDS Taxonomy...
Creating BGP RA GLUCOCORTICOIDS MEDS Taxonomy...
Creating BGP HEDIS ANTIBIOTICS MEDS Taxonomy...
Creating BGP HEDIS ASTHMA LEUK MEDS Taxonomy...
Creating BGP HEDIS ASTHMA MEDS Taxonomy...
Creating BGP HEDIS PRIMARY ASTHMA MEDS Taxonomy...
Creating BGP HEDIS ASTHMA INHALED MEDS Taxonomy...
Creating BGP HEDIS BETA BLOCKER MEDS Taxonomy...
Creating BGP RA IM GOLD MEDS Taxonomy...
Creating BGP RA AZATHIOPRINE MEDS Taxonomy...
Creating BGP RA LEFLUNOMIDE MEDS Taxonomy...
Creating BGP RA ORAL GOLD MEDS Taxonomy...
Creating BGP RA CYCLOSPORINE MEDS Taxonomy...
Creating BGP RA METHOTREXATE MEDS Taxonomy...
Creating BGP RA MYCOPHENOLATE MEDS Taxonomy...
Creating BGP RA PENICILLAMINE MEDS Taxonomy...
Creating BGP RA SULFASALAZINE MEDS Taxonomy...
Creating BGP CMS THROMBOLYTIC MEDS Taxonomy...
Creating BGP HEDIS ANTIANXIETY MEDS Taxonomy...
Creating BGP HEDIS ANTIEMETIC MEDS Taxonomy...
Creating BGP HEDIS ANALGESIC MEDS Taxonomy...
Creating BGP HEDIS ANTIHISTAMINE MEDS Taxonomy...
Creating BGP HEDIS ANTIPSYCHOTIC MEDS Taxonomy...
Creating BGP HEDIS AMPHETAMINE MEDS Taxonomy...
Creating BGP HEDIS BARBITURATE MEDS Taxonomy...
Creating BGP HEDIS BENZODIAZEPINE MEDS Taxonomy...
Creating BGP HEDIS OTHER BENZODIAZEPINE Taxonomy...
Creating BGP HEDIS CALCIUM CHANNEL MEDS Taxonomy...
Creating BGP HEDIS GASTRO ANTISPASM MED Taxonomy...
Creating BGP HEDIS BELLADONNA ALKA MEDS Taxonomy...
Creating BGP HEDIS SKL MUSCLE RELAX MED Taxonomy...
Creating BGP HEDIS ORAL ESTROGEN MEDS Taxonomy...
Creating BGP HEDIS ORAL HYPOGLYCEMIC RX Taxonomy...
Creating BGP HEDIS VASODILATOR MEDS Taxonomy...
Creating BGP HEDIS OTHER MEDS AVOID ELD Taxonomy...
Creating BGP HEDIS NARCOTIC MEDS Taxonomy...
Creating BGP HEDIS ACEI MEDS Taxonomy...
Creating BGP HEDIS ARB MEDS Taxonomy...
Creating BGP HEDIS STATIN MEDS Taxonomy...
Creating BGP CMS SMOKING CESSATION MEDS Taxonomy...
Creating BGP CMS SYSTEMIC CHEMO MEDS Taxonomy...
Creating BGP CMS IMMUNOSUPPRESSIVE MEDS Taxonomy...

Updating Routine file...
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Updating KIDS files...
```

```
IHS CLINICAL REPORTING 9.0 Installed.  
Jun 07, 2009@16:11:44
```

```
Not a VA primary domain
```

```
Install Completed
```

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)  
Unload a Distribution

```
Select Installation Option:
```

## 6.0 Contact Information

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

**Phone:** (505) 248-4371 or (888) 830-7280 (toll free)

**Fax:** (505) 248-4297

**Web:** <http://www.ihs.gov/GeneralWeb/HelpCenter/Helpdesk/index.cfm>

**Email:** [support@ihs.gov](mailto:support@ihs.gov)