RESOURCE AND PATIENT MANAGEMENT SYSTEM

Clinical Reporting System

(BGP)

Installation Guide and Release Notes

Version 11.1
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Office of Information Technology (OIT)
Division of Information Resource Management
Albuquerque, New Mexico

Preface

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 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 (GPRA2000).

This manual provides instructions on using the CRS. Version 11.1 adds fiscal year (FY) 2011 clinical performance measures to existing FY 2002 through FY 2010 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 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 also 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 for evaluating and reporting 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 to 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

Table of Contents

1.0   About This Manual

This manual provides user instructions on installing Version 11.1 of the Clinical Reporting System (CRS). The manual provides installation instructions for both the Resource and Patient Management System (RPMS) server side software and the Visual CRS graphical user interface (GUI).

1.1   Key Changes in Version 11.1

1.1.1   Changes to National GPRA Reports

- A new National GPRA Dashboard report has been added. This report can be run at the facility or Area level.

- Added the ability to create a search template from the GPRA & PART Forecast Patient List.

1.1.2   Logic Changes to National GPRA & PART Report Measures

- GPRA Developmental Measures:

  - Added the following new GPRA Developmental measures: Diabetes: Blood Pressure Control (excluded all inpatient and day surgery visits); Childhood Immunizations (added measures for Hep A, Rotavirus, Influenza, 3 or 4 doses of HiB, 4:3:1:3/4:3:1:4 combination)

  - Updated codes in the following measures: Dental Sealants; Pap Smear Rates; Mammogram Rates; Colorectal Cancer Screening (Revised Logic #1-HEDIS); Colorectal Cancer Screening (Revised Logic #2-USPSTF); Comprehensive Cancer Screening; Alcohol Screening; Depression Screening; Comprehensive CVD-Related Assessment

  - Significantly changed the logic for Tobacco Cessation (Developmental Logic)

- Diabetes: Glycemic Control: In the Logical Observation Identifiers Names and Codes (LOINC) taxonomy for A1c (BPG HGBA1C LOINC CODES), added codes 55454-3, 59261-8, 62388-4.

- Diabetes: Blood Pressure Control: Added CPT codes 0001F and 2000F to BP Documented definition.

- Diabetes: LDL Assessment: Added code 43396-1 to LOINC taxonomy for LDL (BGP LDL LOINC CODES).

- Diabetes: Nephropathy Assessment: (1) Added CPT code 36147 to ESRD definition. (2) Added codes 62238-1 and 50110-4 to LOINC taxonomy for Estimated GFR (BGP ESTIMATED GFR LOINC). (3) Added codes 56553-1, 57369-1, 58448-2, 58992-9, and 59159-4 to LOINC taxonomy for Quantitative Urine Protein (BGP QUANT URINE PROT LOINC).

- Influenza: (1) Changed topic name from "Adult Immunizations: Influenza" to "Influenza". (2) Added ICD Procedure code 99.52 to influenza definition.

- Adult Immunizations: Changed topic name from "Adult Immunizations: Pneumovax" to "Adult Immunizations".

- Pap Smear Rates: (1) Added CPT codes 57540, 57545, 57550, 57555, 57556 to hysterectomy definition. (2) Removed POV code V72.31 from Pap Smear definition.

- Mammogram Rates: Added CPT code 77052 to mammogram definition.

- Colorectal Cancer Screening: Added codes 56490-6, 56491-4, 57905-2, and 58453-2 to LOINC taxonomy for FOBT (BGP FOBT LOINC CODES).

- Alcohol Screening (FAS Prevention): Added CPT code 3016F to Alcohol Screening definition.

- Depression Screening: Added CPT code 1220F to Depression Screening definition.

- Comprehensive CVD-Related Assessment: (1) Added CPT codes 0001F and 2000F to BP Documented definition. (2) Added CPT code 1220F to Depression Screening definition. (3) Added code 43396-1 to LOINC taxonomy for LDL (BGP LDL LOINC CODES).

- Breastfeeding Rates: Changed denominator to ages 30-394 days.

1.1.3   Key Logic Changes to Non-GPRA Measures

- For key logic changes to non-GPRA measures, please refer to the CRS 2011 (version 11.1) Selected Measures Report Performance Measure List and Definitions document located on the CRS Web site at http://www.ihs.gov/cio/crs/documents/crsv11/SelectedMeasuresV11_1.pdf.

1.1.4   Additional Key Enhancements and Revisions

- In CRS v11.1, the Executive Order Quality Transparency Measures Report (EO) report has been removed. This report is still available in earlier versions of CRS.

- Two new reports have been added: IPC (Improving Patient Care) and PQA (Pharmacy Quality Alliance). These reports are subsets of the Selected Measures report.

- Added a site parameter to specify the directory in which Area files will be created.

- Added a site parameter to specify if a site is an Urban Outreach and Referral site. These sites will use the Active Behavioral Health denominator in place of the Active Clinical denominator.

2.0   Installation Notes

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

Prefix: BGP
Current Version: 11.1

> **Important Note:**
> This distribution of the CRS contains Version 11.1 of CRS and the GUI front end to the CRS system. The server-side (i.e. "roll-and-scroll" or backend) version 11.1 of the package can be installed alone or both the GUI and the server-side versions can be installed. Currently, there is no requirement to install the GUI.
>
> Please install version 11.1 of CRS (bgp_1110.k) at all sites regardless of whether the site opts to install and use the GUI portion of the package. Version 11.1 of CRS and the GUI have different requirements so please take note of the requirements section for each piece of the software.

2.1   CRS Distribution Contents and Required Resources

2.1.1   Contents of Distribution

File	Description
bgp_1110.k	Kernel Installation and Distribution System (KIDS) file containing software
bgp_111i.pdf	Installation guide in PDF format (this manual)
bgp_111t.pdf	Technical Manual in PDF format
bgp_111u.pdf	User Manual in PDF format
bgp_111u_logicselected.pdf	CRS Clinical Performance Measure Logic Manual in PDF format
bgp_111u_visual.pdf	Visual CRS User Manual in PDF format
bgp_1110client.zip	Visual CRS software for Client's PC

2.1.2   Required Resources

- IHS Clinical Reporting System version 11.0 through Patch 3 (bgp*11.0*3)

2.2   Visual CRS (GUI) Distribution Contents and Required Resources

2.2.1   Contents of GUI CRS Distribution

- bgp_1110client.zip

The following two files are contained in the zip file:

- bgp_1110setup.exe
- bgp_1110.msi

2.2.2   Required Resources for GUI CRS

Additional requirements for installing and using Visual CRS on a client's PC:

- **On the RPMS Server**:

  BMX v4.0
  IHS Clinical Reporting System version 11.1

- **On the Client (User's) PC**:

  Windows XP Service Pack 3 or higher
  Microsoft Office 2003 or later
  .NET Framework v3.5sp1
  If the CRS GUI is not going to be installed, ignore these requirements.

  If the .NET Framework v3.5 sp1 is not installed it will automatically be downloaded and installed when the client installation is started.

2.3   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 the installation is being performed.

3.0   Installation Instructions

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

In all UCIs running the IHS CRS:

1. Ensure that users are unable to use the CRS for the duration of this installation

2. Save all routines (^%RO (CACHE) and globals (^%GO (CACHE) in the BGP0* namespace for use in returning to the prior 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, remove saved routines from your system 7–10 days after this install.

3. Install bgp_1110.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_1110.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 V11.1 entry.

> **Note:** For 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.

Name	Descriptive Name	Description
BGPZAREA	BGP Area Report	This key unlocks the Area Office report options on the main BGPMENU. Note: This key

Name	Descriptive Name	Description
		should be assigned *only* 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 *only* 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 *only* to users who will need to update taxonomies.

3.1 Installation of the CRS GUI

There are two parts to the CRS GUI install: installation on the RPMS server and installation on the local (client) PC. See the steps below for installation instructions.

A. Installation on the RPMS server

1. Make sure BMX Version 4.0 has been installed in RPMS on the RPMS Server.

2. Make sure CRS version 11.1 has been installed in RPMS on the RPMS server. (See instructions above.)

> **Note**: If a previous version of Visual CRS is being used you will not need to perform Steps 3 to 5. If this is the first time Visual CRS is being used perform Steps 3 to 5.

3. Assign option BGPGRPC as a secondary menu option with a synonym of **BGPG** for each user.

4. Assign option BMXRPC as a secondary menu option with a synonym of **BMX** for each user.

B. Installation on each user's (client) PC

1. Place bgp_1110client.zip into a directory of your choice and unzip the file. There are two files included in the zip file: bgp_1110.msi and bgp_1110setup.exe.

2. If a previous version of the Visual CRS product is installed it will need to be removed. Go to the **Start** menu. Then go to **Control Panel** then click **Add/Remove Programs** and select and remove **Visual CRS**.

3. Double click the bgp_1110setup.exe file that was distributed with Visual CRS. If asked, accept the License Agreement and follow the instructions for downloading and installing Microsoft .Net Framework 3.5 sp1 (this will only occur if the most current version of Microsoft.Net Framework 3.5 sp1 is not on the local PC). This step takes approximately 20-30 minutes over a DSL connection.

4. Follow the prompts on the **Visual CRS Setup Screens** and accept all of the defaults.

5. Double click the **Visual CRS** shortcut that appears on the desktop.

6. If this is the first install you will need to add a new connection. Please refer to the BMX 4.0 User Manual for instructions.

7. When the RPMS Login window appears, enter your RPMS access and verify codes, and then click OK.

8. If data for multiple facilities is stored on the same RPMS database, the Select Division window is displayed. Select a Division, and then click OK.

9. You are now in the Visual CRS software.

4.0   Sample Installations

4.1   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  Kernel Installation & Distribution Syste
m


        Edits and Distribution ...
        Utilities ...
        Installation ...
        Patch Monitor Main Menu ...



Select Edits and Distribution Option:


        Edits and Distribution ...
        Utilities ...
        Installation ...
        Patch Monitor Main Menu ...



Select Kernel Installation & Distribution System Option: INstallation


   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  Load a Distribution
Enter a Host File: c:\cmi\bgp_1110.k
```

```
KIDS Distribution saved on May 17, 2011@08:32:04
Comment: IHS CLINICAL REPORTING V11.1

This Distribution contains Transport Globals for the following Package(s):
   IHS CLINICAL REPORTING 11.1
Distribution OK!

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

Build IHS CLINICAL REPORTING 11.1 has an Enviromental Check Routine
Want to RUN the Environment Check Routine? YES//
   IHS CLINICAL REPORTING 11.1
Will first run the Environment Check Routine, BGP1POS

                        Patch "BGP*11.0*2" is installed.
Use INSTALL NAME: IHS CLINICAL REPORTING 11.1 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


You have 4 PENDING ALERTS
           Enter  "VA to jump to VIEW ALERTS option

Select Installation Option: install Package(s)
Select INSTALL NAME:    IHS CLINICAL REPORTING 11.1     Loaded from Distribution
     Loaded from Distribution  5/17/11@07:40:18
     => IHS CLINICAL REPORTING V11.1  ;Created on May 17, 2011@08:32:04

This Distribution was loaded on May 17, 2011@07:40:18 with header of
   IHS CLINICAL REPORTING V11.1  ;Created on May 17, 2011@08:32:04
   It consisted of the following Install(s):
IHS CLINICAL REPORTING 11.1
Checking Install for Package IHS CLINICAL REPORTING 11.1
Will first run the Environment Check Routine, BGP1POS

                        Patch "BGP*11.0*3" is installed.

Install Questions for IHS CLINICAL REPORTING 11.1

Incoming Files:


   90241.01  BGP CONTROL FILE  (including data)
Note:  You already have the 'BGP CONTROL FILE' File.
I will REPLACE 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 REPLACE your data with mine.


   90377.02  BGP 10 INDIVIDUAL MEASURES  (including data)
Note:  You already have the 'BGP 10 INDIVIDUAL MEASURES' File.
I will REPLACE your data with mine.


   90377.08  BGP 10 TAXONOMIES  (including data)
Note:  You already have the 'BGP 10 TAXONOMIES' File.
I will REPLACE your data with mine.


   90530.11  BGP 07 XP OUTPUT
Note:  You already have the 'BGP 07 XP OUTPUT' File.


   90545.01  BGP 11 MEASURES  (including data)
Note:  You already have the 'BGP 11 MEASURES' File.
I will REPLACE your data with mine.


   90545.02  BGP 11 INDIVIDUAL MEASURES  (including data)
Note:  You already have the 'BGP 11 INDIVIDUAL MEASURES' File.
I will REPLACE your data with mine.


   90545.03  BGP 11 DATA CURRENT
Note:  You already have the 'BGP 11 DATA CURRENT' File.


   90545.04  BGP 11 DATA PREVIOUS
Note:  You already have the 'BGP 11 DATA PREVIOUS' File.


   90545.05  BGP 11 DATA BASELINE
Note:  You already have the 'BGP 11 DATA BASELINE' File.


   90545.06  BGP 11 NATIONAL PATIENT LISTS  (including data)
Note:  You already have the 'BGP 11 NATIONAL PATIENT LISTS' File.
I will REPLACE your data with mine.


   90545.08  BGP 11 TAXONOMIES  (including data)
Note:  You already have the 'BGP 11 TAXONOMIES' File.
I will REPLACE your data with mine.


   90545.09  BGP 11 TAXONOMY TEMP  (including data)
Note:  You already have the 'BGP 11 TAXONOMY TEMP' File.
I will REPLACE your data with mine.


   90545.1   BGP 11 MEASURE GROUPS  (including data)
Note:  You already have the 'BGP 11 MEASURE GROUPS' File.
```

```
I will OVERWRITE your data with mine.


   90545.11  BGP 11 XP OUTPUT
Note:  You already have the 'BGP 11 XP OUTPUT' File.


   90545.12  BGP 11 PATIENT ED DATA CURRENT
Note:  You already have the 'BGP 11 PATIENT ED DATA CURRENT' File.


   90545.13  BGP 11 PATIENT ED DATA PREVIOUS
Note:  You already have the 'BGP 11 PATIENT ED DATA PREVIOUS' File.


   90545.14  BGP 11 PATIENT ED DATA BASELINE
Note:  You already have the 'BGP 11 PATIENT ED DATA BASELINE' File.


   90545.15  BGP 11 PAT ED MEASURES  (including data)
Note:  You already have the 'BGP 11 PAT ED MEASURES' File.
I will OVERWRITE your data with mine.


   90545.17  BGP 11 ICARE GROUPS  (including data)
Note:  You already have the 'BGP 11 ICARE GROUPS' File.
I will OVERWRITE your data with mine.


   90545.18  BGP 11 ICARE CATEGORIES  (including data)
Note:  You already have the 'BGP 11 ICARE CATEGORIES' File.
I will OVERWRITE your data with mine.


   90546.08  BGP 11 GUI REPORT OUTPUT
Note:  You already have the 'BGP 11 GUI REPORT OUTPUT' File.


   90547.02  BGP 11 ELDER INDIVIDUAL MEASURES  (including data)
Note:  You already have the 'BGP 11 ELDER INDIVIDUAL MEASURES' File.
I will OVERWRITE your data with mine.


   90547.03  BGP 11 ELDER DATA CURRENT
Note:  You already have the 'BGP 11 ELDER DATA CURRENT' File.


   90547.04  BGP 11 ELDER DATA PREVIOUS
Note:  You already have the 'BGP 11 ELDER DATA PREVIOUS' File.


   90547.05  BGP 11 ELDER DATA BASELINE
Note:  You already have the 'BGP 11 ELDER DATA BASELINE' File.


   90547.06  BGP 11 ELDER MEASURES  (including data)
Note:  You already have the 'BGP 11 ELDER MEASURES' File.
I will OVERWRITE your data with mine.
```

```
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
qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq

 Install Started for IHS CLINICAL REPORTING 11.1 :
               May 17, 2011@07:40:40

Build Distribution Date: May 17, 2011

 Installing Routines:
               May 17, 2011@07:40:45

 Running Pre-Install Routine: PRE^BGP1POS

 Installing Data Dictionaries:
...........................................................................
................
               May 17, 2011@07:40:55

 Installing Data:
               May 17, 2011@07:41:08

 Installing PACKAGE COMPONENTS:

 Installing SECURITY KEY

 Installing INPUT TEMPLATE

 Installing PROTOCOL

 Installing REMOTE PROCEDURE

 Installing LIST TEMPLATE

 Installing OPTION
               May 17, 2011@07:41:13

 Running Post-Install Routine: POST^BGP1POS
Updating [BGP ESRD CPTS] taxonomy...
Updating [BGP BP MEASURED CPT] taxonomy...
Updating [BGP ESTIMATED GFR LOINC] taxonomy...
Updating [BGP HGBA1C LOINC CODES] taxonomy...
Updating [BGP LDL LOINC CODES] taxonomy...
Updating [BGP QUANT URINE PROT LOINC] taxonomy...
Updating [BGP FOOT AMP CPTS] taxonomy...
Updating [BGP FOOT AMP PROCEDURES] taxonomy...
Updating [BGP HEPATITIS A CPTS] taxonomy...
Updating [BGP HIGH RISK FLU DXS] taxonomy...
Updating [BGP HEPATITIS A EVIDENCE] taxonomy...
Updating [BGP GROUP A STREP CPT] taxonomy...
Updating [BGP HYSTERECTOMY CPTS] taxonomy...
```

```
Updating [BGP CPT MAMMOGRAM] taxonomy...
Updating [BGP FOBT LOINC CODES] taxonomy...
Updating [BGP HYSTERECTOMY CPTS] taxonomy...
Updating [BGP TOB CESS REFUSAL CPTS] taxonomy...
Updating [BGP ALCOHOL SCREENING CPTS] taxonomy...
Updating [BGP IHD DXS] taxonomy...
Updating [BGP MELANOMA CANCER DXS] taxonomy...
Updating [BGP BREAST CANCER DXS] taxonomy...
Updating [BGP COLON CANCER DXS] taxonomy...
Updating [BGP GYN CANCER DXS] taxonomy...
Updating [BGP PROSTATE CANCER DXS] taxonomy...
Updating [BGP TESTES/MALE GU CANCER DXS] taxonomy...
Updating [BGP HEAD AND NECK CANCER DXS] taxonomy...
Updating [BGP HEAD AND NECK CANCER DXS] taxonomy...
Updating [BGP URINARY TRACT CANCER DXS] taxonomy...
Updating [BGP NON-MELANOMA CANCER DXS] taxonomy...
Updating [BGP NON-COLON GI CANCER DXS] taxonomy...
Updating [BGP LUNG CANCER DXS] taxonomy...
Updating [BGP BRAIN CANCER DXS] taxonomy...
Updating [BGP BONES/TISSUE CANCER DXS] taxonomy...
Updating [BGP ENDOCRINE CANCER DXS] taxonomy...
Updating [BGP PLEURA CANCER DXS] taxonomy...
Updating [BGP NON-SPECIFIC CANCER DXS] taxonomy...
Updating [BGP LYMPH NODE CANCER DXS] taxonomy...
Updating [BGP FALL RISK EXAM CPTS] taxonomy...
Updating [BGP HDL LOINC CODES] taxonomy...
Updating [BGP AST LOINC] taxonomy...
Updating [BGP CBC LOINC] taxonomy...
Updating [BGP LIVER FUNCTION LOINC] taxonomy...
Updating [BGP CHLAMYDIA CPTS] taxonomy...
Updating [BGP CHLAMYDIA LOINC CODES] taxonomy...
Updating [BGP ANNUAL WELLNESS CPTS] taxonomy...
Updating [BGP HEDIS ASTHMA NDC] taxonomy...
Updating [BGP HEDIS ASTHMA LEUK NDC] taxonomy...
Updating [BGP HEDIS ASTHMA INHALED NDC] taxonomy...
Updating [BGP HEDIS PRIMARY ASTHMA NDC] taxonomy...
Updating [BGP HEDIS AMPHETAMINE NDC] taxonomy...
Updating [BGP HEDIS ANALGESIC NDC] taxonomy...
Updating [BGP HEDIS ANTIANXIETY NDC] taxonomy...
Updating [BGP HEDIS ANTIEMETIC NDC] taxonomy...
Updating [BGP HEDIS ANTIHISTAMINE NDC] taxonomy...
Updating [BGP HEDIS ANTIPSYCHOTIC NDC] taxonomy...
Updating [BGP HEDIS BARBITURATE NDC] taxonomy...
Updating [BGP HEDIS BELLADONNA ALKA NDC] taxonomy...
Updating [BGP HEDIS CALCIUM CHANNEL NDC] taxonomy...
Updating [BGP HEDIS ORAL ESTROGEN NDC] taxonomy...
Updating [BGP HEDIS GASTRO ANTISPASM NDC] taxonomy...
Updating [BGP HEDIS BENZODIAZEPINE NDC] taxonomy...
Updating [BGP HEDIS NARCOTIC NDC] taxonomy...
Updating [BGP HEDIS ORAL HYPOGLYCEMIC ND] taxonomy...
Updating [BGP HEDIS OTHER NDC AVOID ELD] taxonomy...
Updating [BGP HEDIS SKL MUSCLE RELAX NDC] taxonomy...
Updating [BGP HEDIS VASODILATOR NDC] taxonomy...
Updating [BGP HEDIS ACEI NDC] taxonomy...
Updating [BGP HEDIS ARB NDC] taxonomy...
Updating [BGP HEDIS BETA BLOCKER NDC] taxonomy...
Updating [BGP HEDIS ANTIDEPRESSANT NDC] taxonomy...
Updating [BGP HEDIS STATIN NDC] taxonomy...
Updating [BGP HEDIS OSTEOPOROSIS NDC] taxonomy...
Updating [BGP PQA BETA BLOCKER NDC] taxonomy...
```

```
Updating [BGP PQA ACEI ARB NDC] taxonomy...
Updating [BGP PQA CCB NDC] taxonomy...
Updating [BGP PQA BIGUANIDE NDC] taxonomy...
Updating [BGP PQA SULFONYLUREA NDC] taxonomy...
Updating [BGP PQA THIAZOLIDINEDIONE NDC] taxonomy...
Updating [BGP PQA STATIN NDC] taxonomy...
Updating [BGP PQA ANTIRETROVIRAL NDC] taxonomy...
Updating [BGP PQA SABA NDC] taxonomy...
Updating [BGP PQA CONTROLLER NDC] taxonomy...
Updating [BGP PAP SMEAR DXS] taxonomy...
Updating [BGP PAP SMEAR DXS] taxonomy...
Updating [BGP HEAD AND NECK CANCER DXS] taxonomy...
Creating [BGP HIGH RISK PNEUMO DXS] taxonomy...
Updating [BGP PCI CPTS] taxonomy...
Creating [BGP PCI CM PROCS] taxonomy...
Creating [BGP PCI CM CPTS] taxonomy...
Updating [BGP PCI CPTS] taxonomy...
Updating [BGP HGBA1C LOINC CODES] taxonomy...
Creating [BGP IHD DXS (GPRA)] 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 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 PQA BETA BLOCKER MEDS Taxonomy...
Creating BGP PQA ACEI ARB MEDS Taxonomy...
Creating BGP PQA CCB MEDS Taxonomy...
Creating BGP PQA BIGUANIDE MEDS Taxonomy...
Creating BGP PQA SULFONYLUREA MEDS Taxonomy...
Creating BGP PQA THIAZOLIDINEDIONE MEDS Taxonomy...
Creating BGP PQA STATIN MEDS Taxonomy...
Creating BGP PQA ANTIRETROVIRAL MEDS Taxonomy...
Creating BGP PQA SABA MEDS Taxonomy...
Creating BGP PQA CONTROLLER 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...

 Updating KIDS files...

 IHS CLINICAL REPORTING 11.1 Installed.
             May 17, 2011@07:42:21

 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
```

Figure 4-1: Sample installation for IHS Clinical Reporting package 11.0

4.2   Sample Installation of the CRS GUI

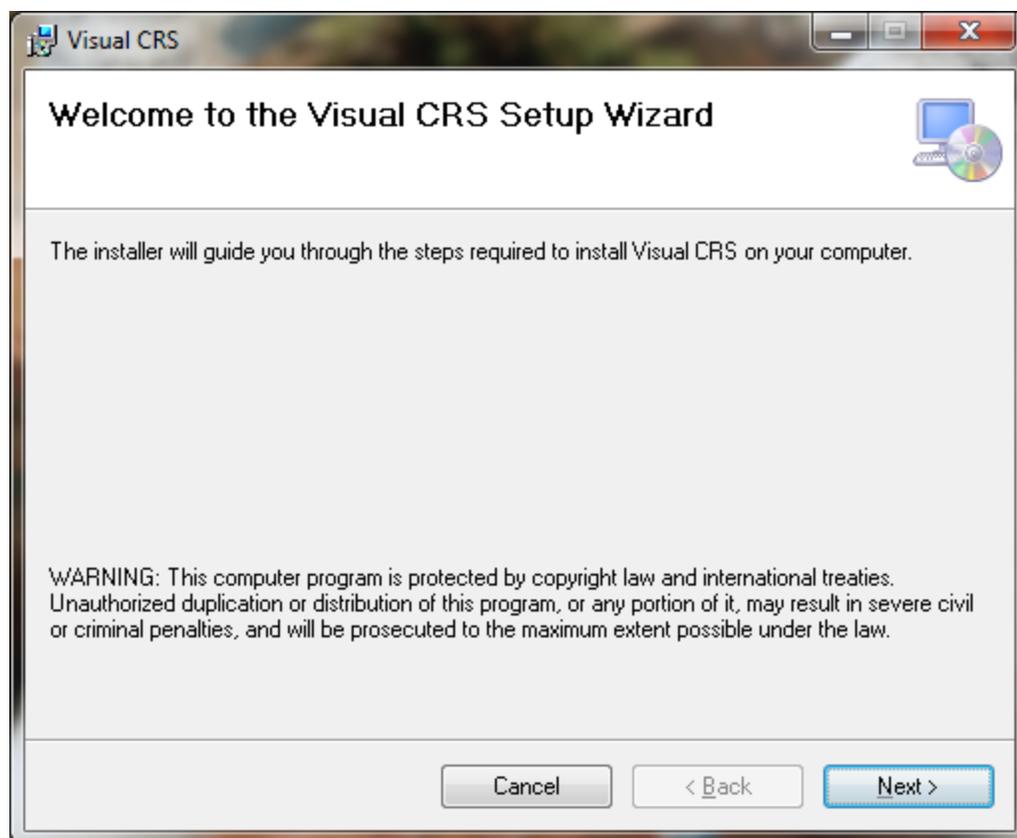1. Double click bgp_1100setup.exe to display the following window:

Figure 4-2: Visual CRS Setup Wizard
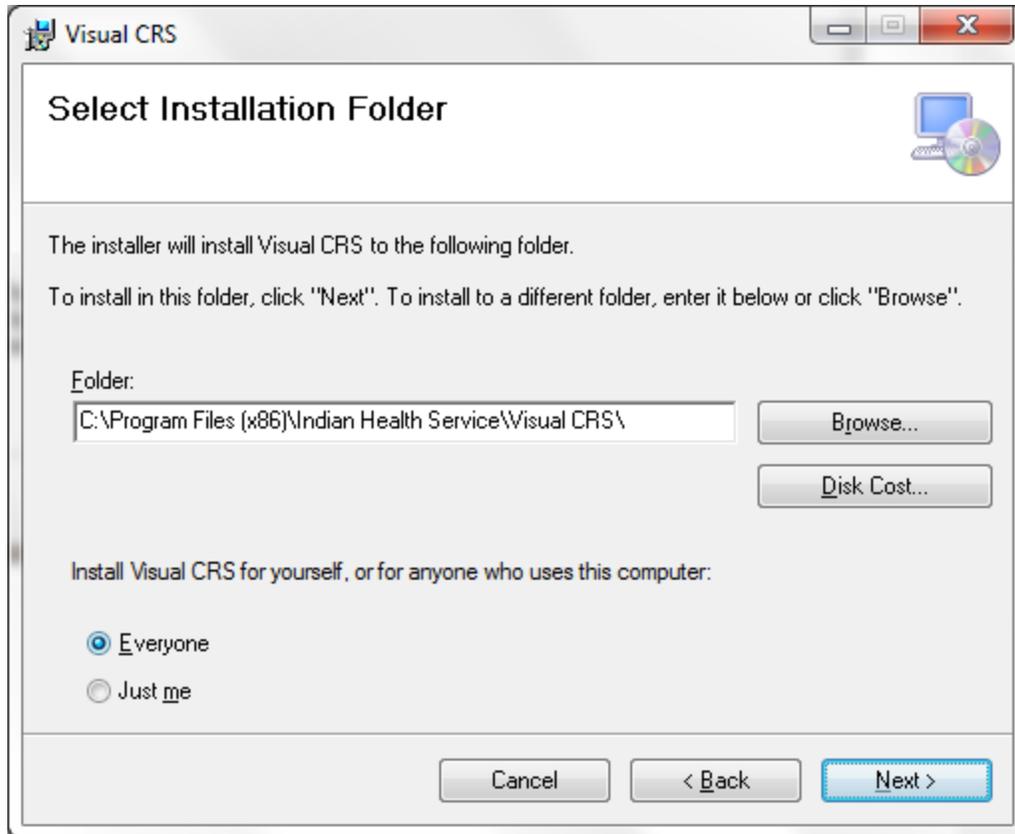
2. Click **Next**.

Figure 4-3: Visual CRS installation wizard
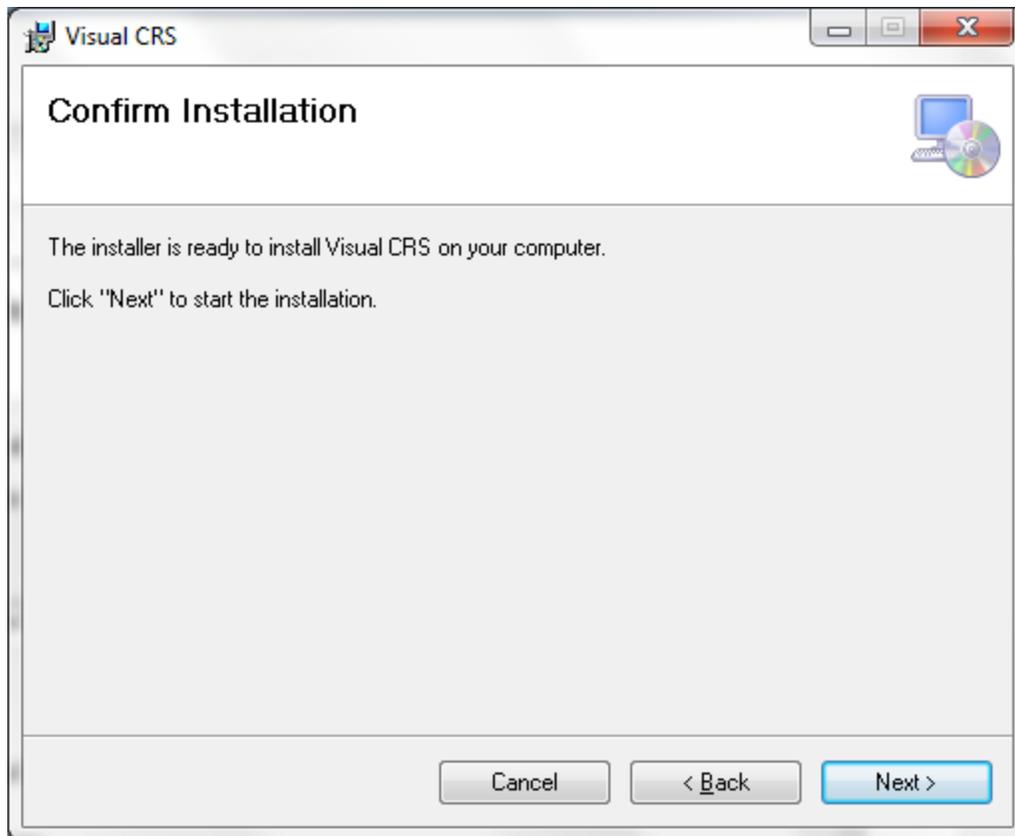
3. Click **Next**.

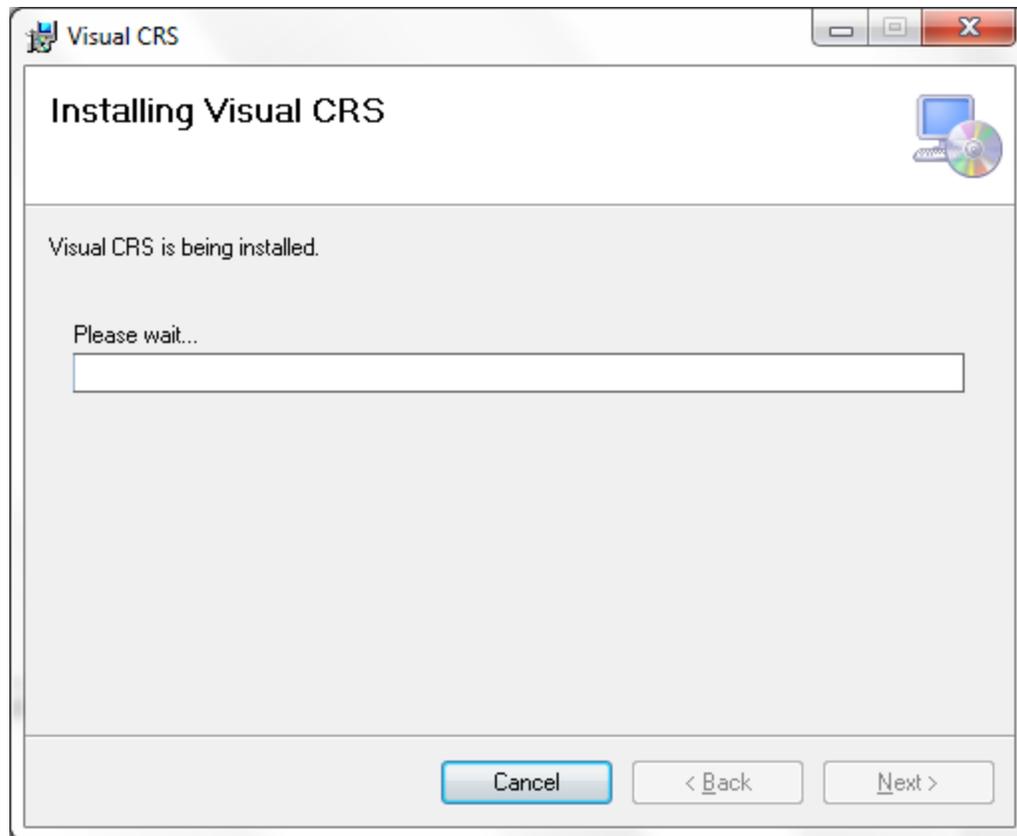Figure 4-4: Visual CRS installation wizard

4. Click **Next**.

Figure 4-5: Installation of Visual CRS

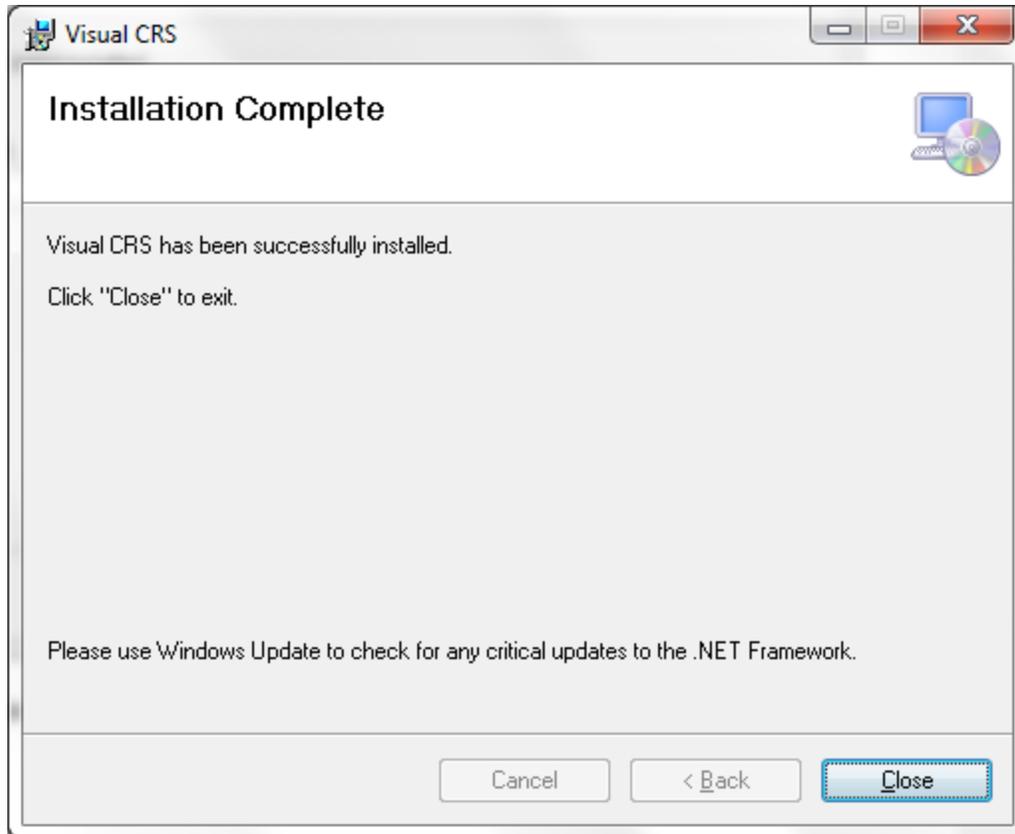5. Wait while the application is installed.

Figure 4-6: Final screen for Visual CRS installation

6. When Visual CRS has been successfully installed the **Installation Complete** screen will display. Click **Close**.

A desktop shortcut named Visual CRS should now be available. Refer to the user manual for instructions on use of the Visual CRS application.

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) 248-4363

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

Email: support@ihs.gov