



**Physician Quality Reporting System (PQRS)
2013 Group Practice Reporting Option (GPRO)
and Accountable Care Organization (ACO)**



**GPRO Web Interface
Extensible Markup
Language (XML)
*Program Year 2013***

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Agenda

- Extensible Markup Language (XML) for the GPRO Web Interface

XML Specifications

- A link to the 2013 GPRO Web Interface XML Specifications is available on the GPRO Web Interface of the CMS Website http://www.cms.gov/Medicare/Quality-Initiatives-Patient-Assessment-Instruments/PQRS/GPRO_Web_Interface.html

2013 GPRO Web Interface XML Specification

The 2013 Web Interface XML Specification can be viewed as a web page by clicking the following link [2013 Web Interface XML Specification](#) link. Included in the XML Specification are the valid XML format and values, the 2013 GPRO Web Interface XML Specification Release notes, a downloadable PDF version of the specifications, and downloadable XSD files which may be useful to GPROs for custom coding.



- A link to the XML Specifications will also be available in the GPRO Web Interface Online Help

Sample Files Download

- Sample XML files are available in the **Downloads** section on the CMS website

Downloads

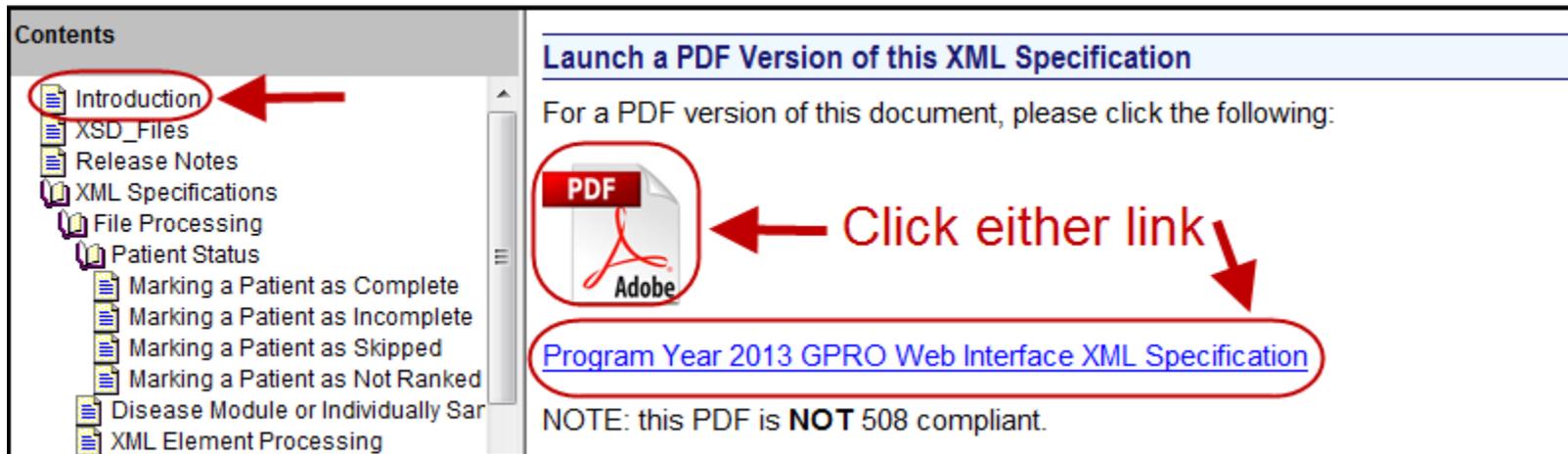
- [2013 Supporting Documents and Release Notes for ACO and PQRS GPRO Web Interface Users \[ZIP, 946KB\]](#) 
- [2013 Measure Flows for ACO GPRO and PQRS GPRO Web Interface Users \[ZIP, 3MB\]](#) 
- [2013 PQRS GPRO Web Interface Measures List Narrative Measure Specifications and Release Notes \[ZIP, 388KB\]](#) 
- [Sample 2013 WebInterface XML files \[ZIP, 522KB\]](#)  
- [2013 GPRO Assignment Specifications \[PDF, 191KB\]](#) 
- [2013 GPRO Sampling Supplement \[PDF, 308KB\]](#) 
- [2013 PQRS GPRO Public Reporting \[PDF, 923KB\]](#) 
- [2013 PQRS GPRO and ACO Web Interface Submission IACS \[PDF, 623KB\]](#) 
- [2013 PQRS GPRO and ACO WI Measures Part-1 \[PDF, 454KB\]](#) 
- [2013 PQRS GPRO and ACO WI Measures Part-2 \[PDF, 441KB\]](#) 
- [2013 PQRS GPRO and ACO WI Measures Part-3 \[PDF, 467KB\]](#) 
- [2013 PQRS GPRO ACO Assignment and Sampling Overview \[PDF, 426KB\]](#) 
- [2013 PQRS GPRO ACO CAHPS Overview \[PDF, 734KB\]](#) 

Sample Files

- The files do not contain any real PHI or PII and all TINs, Medicare IDs, Names, and DOBs have been masked.
- **SampleClinics.xml** – Sample file for the clinics from the patient sampling and loaded into the Web Interface. This is an export only file and cannot be uploaded into the Web Interface.
- **Sample_Providers.xml** - Sample file for the providers from the patient sampling and loaded into the Web Interface. This is an export only file and cannot be uploaded into the Web Interface.
- **Sample_Patient-Ranking.xml** – Sample file of the patient’s ranking in all ranked modules. Contains the patient’s demographic information, associated clinic, up to three providers, and the rank in all modules into which the patient has been sampled. This is an export only file and cannot be uploaded into the Web Interface.
- **Sample_PrefilledOnly_Patients.xml** – Sample of the Patient XML file as it would appear when the data is exported prior to abstracting patients. Contains the patient’s demographic information, associated clinic, up to three providers, the rank in all modules into which the patient has been sampled and the XML tags for each of the measures in the modules in which the patient is ranked. If the measure has prefilled data, the prefilled values are included in the file. Patient XML files may be exported and uploaded.
- **Sample_Complete_Patients.xml** – Sample of the Patient XML file when all required data has been provided and all modules are complete.
- **Sample_PrefilledOnly_Patient-Discharge.xml** – Sample of the Patient Discharge XML file as it would appear when the data is exported prior to abstracting patients. Contains the Medicare ID, rank in CARE-1, and discharge dates.
- **Sample_Complete_Patient-Discharge.xml** - Sample of the Patient Discharge XML file when all required data has been provided and CARE-1 is complete.

XML Specification PDF

- A PDF version of the online XML Specification can be downloaded from the **Introduction** page of the XML Specification



The screenshot displays a web interface with a 'Contents' sidebar on the left and a main content area on the right. In the 'Contents' sidebar, the 'Introduction' item is circled in red, with a red arrow pointing to it. The main content area features a blue header 'Launch a PDF Version of this XML Specification' and the text 'For a PDF version of this document, please click the following:'. Below this text is a red Adobe PDF icon, also circled in red, with a red arrow pointing to it and the text 'Click either link'. A red oval highlights a blue hyperlink: 'Program Year 2013 GPRO Web Interface XML Specification'. At the bottom, a note states: 'NOTE: this PDF is **NOT** 508 compliant.'

XML Schema Definition (XSD)

- The XSD files can be downloaded from the XML Specification
- Click the **XSD_Files** link in **Contents**, then click the links to download the XSD files using the instructions on the same page

The image shows two screenshots from a web application. The left screenshot displays a 'Contents' menu with a tree view. The 'XSD_Files' link is circled in red, and a red arrow points to it. The right screenshot shows a 'Save As' dialog box with the file name 'WEB-INTERFACE-PATIENT.xsd' and the save type 'XSD File'. Below the dialog box, a red-bordered box contains a list of XSD files with red arrows pointing to the 'Patient XSD' link.

2. The **Save As** window appears. Specify a location to save the XSD file and click **Save**.

XSD Files

- Click here for the [Patient XSD](#). For more information, see [Patients XML](#).
- Click here for the [Patient Discharge XSD](#). For more information, see [Patient Discharge XML](#).
- Click here for the [Patient Ranking XSD](#). For more information, see [Patient Ranking XML](#).
- Click here for the [Clinic XSD](#). For more information, see [Clinics XML](#).
- Click here for the [Providers XSD](#). For more information, see [Providers XML](#).

XML Changes for 2013

- The GPRO Web Interface XML is updated each year based on PQRS program needs and user feedback
- Full details of the 2013 changes are listed in the **Release Notes** available by clicking the **Release Notes** link in the XML Specification Contents
- Changes in the measures and allowable values used to remove a patient from the sample are reflected in the XML Specifications
- Up to three providers may be specified for a patient
- Clinic Identifier is a TIN, CMS Certification Number (CCN), or user provided identifier instead of a system generated number
- The required order of the tags and tag data was consolidated into one table in the XML Specification for each file type to be uploaded
- The Patient Discharge format was modified to allow creating XML files using Microsoft Excel
- Increased the number of errors for invalid XML file format from 50 to 500
- Name, Date of Birth, and Gender cannot be updated using XML
- Added a toggle to the Export Data screen to choose which data to include in the file

XML Changes for Skipping a Patient

- New tags are used to confirm if a patient is qualified for a measure or module
 - Each of the individually sampled **CARE** and **PREV** measures has a confirmation, so each confirmation and associated measure is treated as a module
- All patients require a **Medical Record Found** tag with a value
 - If the medical record was not found or the patient is not qualified for the sample due to being **In Hospice, Deceased, Moved out of the Country, or HMO Enrollment**, the XML tag and value are only provided once per patient and the patient is removed from all modules in which the patient is ranked
 - Using **Medical Record Found** to skip a patient will skip the patient in all modules in which they are ranked
- If the medical record was found, you must provide an answer to confirm whether or not the patient is qualified for each of the modules in which they are ranked
 - A patient can be removed from one of the modules in which they are ranked if the diagnosis cannot be confirmed for a disease module or for another CMS approved reason for any of the modules
 - The patient will still be eligible for other modules in which they are ranked

XML Updates from Feedback

The XML Specification was updated since the initial posting

- The Patient Ranking XSD file was updated to correct the <export> tag so it matches the tag in the sample file
- The sample headers in the **Editing the Exported XML File** section were updated to match sample files
- Corrected **Field Size** of the <medical-not-qualified-date> tag from 3 to 10 in Appendix A
- Added the last changed date to the online screens and the PDF version

Data Abstraction

- The Web Interface provides two methods for data abstraction
 - Manually entering the data for one patient at a time
 - Using an XML file to upload data for one or more patients
- The two methods may be used together if desired
- The **Export Data** screen is used to download the XML files for data currently stored in the Web Interface
- The **Upload Data** screen is used to upload the XML files containing the values to update the patient data

Data Abstraction (cont.)

- When generating and downloading the XML files, only the data for your PQRS GPRO Taxpayer Identification Number (TIN) or your ACO Primary TIN will be included
- When uploading XML files, the data must only be for patients sampled for your PQRS GPRO TIN or your ACO Primary TIN
- If your IACS ID is used for multiple ACO or GPRO TINs, you must log in for each TIN to export or upload XML files for that TIN
 - The exported files will automatically contain the TIN you used when logging in
 - The TIN in the XML file to be uploaded must match the TIN you used when logging in or the file will not be processed

Export Data Screen

<Your Organization Name Here> Accessibility | Help

Home Reports ▾ Export Data Upload Data Add/Edit ▾ Locked Records List Users Submit Preferences

Export Data ?

* Export Data Set ▾

Note: When Patient Ranking or Patients option is selected from the Export Data Set drop-down, at least one module needs to be checked in Export Patients In Module(s) checkbox list below.

Export Patients In Module(s):

- CARE-1: Medication Reconciliation
- CARE-2: Falls
- CAD: Coronary Artery Disease
- DM: Diabetes Mellitus
- HF: Heart Failure
- HTN: Hypertension
- IVD: Ischemic Vascular Disease
- PREV-5: Breast Cancer Screening
- PREV-6: Colorectal Cancer Screening
- PREV-7: Influenza Immunization
- PREV-8: Pneumococcal Vaccination
- PREV-9: BMI Screening and Follow-Up
- PREV-10: Tobacco Use: Screening and Cessation Intervention
- PREV-11: Screening for High Blood Pressure and Follow-Up
- PREV-12: Depression Screening

Note: If the patient is ranked in additional modules than the ones selected above, check the Export all data for patients ranked in the selected module(s) checkbox below to export the additional data.

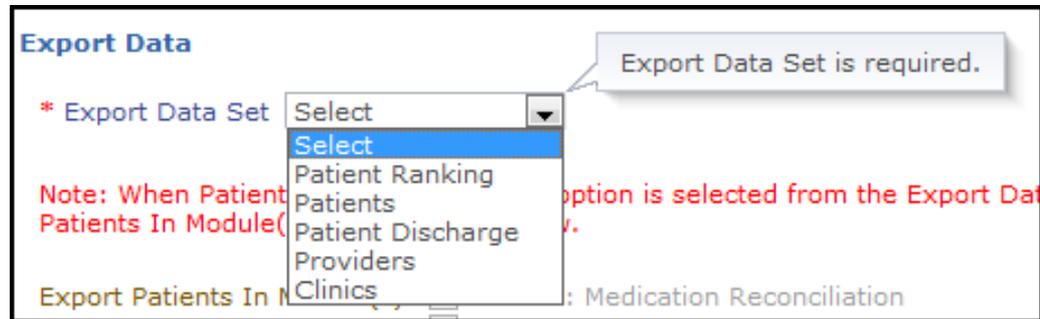
Export all data for patients ranked in the selected module(s)

* Required field

Export Data Results Refresh ?

Date	User ID	File Name	Status	Comments
No XML files have been generated.				

Export Data Sets



- Five Data Sets can be exported from the Web Interface
 - **Patient Ranking** –list of patients with demographic information and rank order for modules in which the patient was selected for the sample
 - **Patients** – list of patients with demographic information and measure data for modules in which the patient was selected for the sample
 - **Patient Discharge** – pre-populated discharge dates and measure data for the CARE-1: Medication Reconciliation measure
 - **Providers** –list of pre-populated or user added providers
 - **Clinics** –list of pre-populated or user added clinics

Patient Ranking XML File

- Contains the patients ranked in the selected modules with the following data:
 - Medicare ID
 - First and Last Name
 - Gender
 - Date of Birth
 - Up to three Provider NPIs
 - Clinic Identifier
 - Rank in the modules in which the patient is included in the sample

Patients XML File

- Contains the patients ranked in the selected modules with the same data as the Patient Ranking file plus:
 - Medical Record Number
 - Other Identifier
 - General and module specific comments
 - Medical Record Found with Reason and Date
 - Module confirmation and measure data for each module in which the patient is ranked
 - **CARE-1** discharge dates and measure data is not included
- If the file is generated before the additional data has been entered, the file will contain empty XML tags for these values
- Some measure data may be pre-filled during sampling

Pre-filled Measure Data

- DM-2 and DM-15 – HbA1c Test and Date Drawn
- DM-14 – LDL-C Test and Date Drawn
- IVD-1 – Lipid Profile Performed and Date Drawn
- PREV-5 – Screening Performed
- PREV-6 – Screening is Current
- PREV-7 – Immunization Received
- PREV-8 – Vaccination Received

Patient Discharge XML File

- Contains the patients ranked in CARE-1 with the following data:
 - Medicare ID
 - Medical Record Found with Reason and Date
 - CARE-1 Rank
 - CARE-1 Confirmation
 - Discharge Date(s)
 - Measure Data
 - CARE Comments
- The Discharge Dates are pre-populated during sampling
- If the file is generated before the CARE-1 data has been entered, the file will contain the dates, but will contain empty XML tags for the measure values

Providers XML File

- Contains the providers currently in the Web Interface with the following data:
 - Provider's National Provider Identifier (NPI)
 - Provider First and Last Name
 - Provider's Employer Identification Number (EIN)
 - EIN defaults to the GPRO's TIN or the ACO's Primary TIN
 - Provider's Credentials
 - The credentials are optional and are not pre-populated
 - Indicator that the provider was pre-populated or was added using the Web Interface

Clinics XML File

- Contains the list of clinics currently in the Web Interface with the following data:
 - Clinic Identifier
 - The default clinic identifier is the TIN for PQRS GPROs
 - The default clinic identifiers will be pre-populated with the Participating TINs or CMS Certification Numbers (CCN) for ACOs
 - Clinic Name
 - Clinic's Address
 - The address is optional and is not pre-populated
 - Indicator that the clinic was pre-populated or was added using the Web Interface

Exporting Data

- The current data can be exported at the beginning of the submission period or at any time during the submission period
- Exporting the data at the beginning of the submission period results in a file containing all data that has been pre-filled for the sampled patients
- Exporting the data during the Submission Period results in a file containing all pre-filled and data entered during the Submission Period

Export Data Module Selection

Export Data

* Export Data Set Patient Ranking ▼

Note: When Patient Ranking or Patients option is selected from the Export Data Set drop-down, at least one module needs to be checked in Export Patients In Module(s) checkbox list below.

* Export Patients In Module(s):

- CARE-1: Medication Reconciliation
- CARE-2: Falls
- CAD: Coronary Artery Disease
- DM: Diabetes Mellitus
- HF: Heart Failure
- HTN: Hypertension
- IVD: Ischemic Vascular Disease
- PREV-5: Breast Cancer Screening
- PREV-6: Colorectal Cancer Screening
- PREV-7: Influenza Immunization
- PREV-8: Pneumococcal Vaccination
- PREV-9: BMI Screening and Follow-Up
- PREV-10: Tobacco Use: Screening and Cessation Intervention
- PREV-11: Screening for High Blood Pressure and Follow-Up
- PREV-12: Depression Screening

- If you have selected **Patient Ranking** or **Patients** from the **Export Data Set** pull-down menu, you must select one or more modules to export
 - The checkboxes for the modules are only available for selection when the **Patient Ranking** or **Patients** data set is selected
 - The checkboxes are not available for selection for other data sets because the other data sets are not module specific
- Only the patients ranked in the selected modules will be included in the XML file

Export Data Module Selection (cont.)

Export Data

* Export Data Set

Note: When Patient Ranking or Patients option is selected from the Export Data Set drop-down, at least one module needs to be checked in Export Patients In Module(s) checkbox list below.

* Export Patients In Module(s):

- CARE-1: Medication Reconciliation (will not include Discharge Dates)
- CARE-2: Falls
- CAD: Coronary Artery Disease
- DM: Diabetes Mellitus
- HF: Heart Failure
- HTN: Hypertension
- IVD: Ischemic Vascular Disease
- PREV-5: Breast Cancer Screening
- PREV-6: Colorectal Cancer Screening
- PREV-7: Influenza Immunization
- PREV-8: Pneumococcal Vaccination
- PREV-9: BMI Screening and Follow-Up
- PREV-10: Tobacco Use: Screening and Cessation Intervention
- PREV-11: Screening for High Blood Pressure and Follow-Up
- PREV-12: Depression Screening

- Note that the text for the **CARE-1** module changes when **Patients** is selected to alert you that the Discharge Dates are not included in the Patients XML file

Export All Data Checkbox

Note: If the patient is ranked in additional modules than the ones selected above, check the Export all data for patients ranked in the selected module(s) checkbox below to export the additional data.

Export all data for patients ranked in the selected module(s)

- Below the module list is an **Export all data for patients in the selected module(s)** checkbox to choose which data is included in the XML file
- The checkbox is only available for selection when the **Patients** data set has been selected
- The checkbox will be deselected as the default selection
 - Deselect the checkbox to export the patient's data for only the selected modules when the patient is ranked in additional modules that are not selected
 - Deselecting the checkbox is useful when modules are exported one at a time and duplication of data for patients in multiple modules is not desired
 - Select the checkbox to export the patient's data for all the modules in which the patient is ranked when the other module checkboxes are not selected
 - Selecting the checkbox is useful when some of the modules are exported, but all data for the patients ranked in the selected modules is desired

Export All Data Checkbox Example

- A patient is ranked in the **Hypertension (HTN)**, **Heart Failure (HF)**, **PREV-6**, and **PREV-8** modules
- The **Patients** data set is selected and the **HTN** module checkbox is the only module selected for the export
 - The XML file will only contain the patients who are ranked in **HTN**
 - When the **Export all data for patients ranked in the module(s)** checkbox is deselected, the XML file will only contain the **HTN** data for the patient in this example
 - This option is useful if you are working module-by-module for your patients
 - When the checkbox is selected, the XML file will contain the **HTN** data for this patient, plus the **HF**, **PREV-6**, and **PREV-8** data for this patient
 - This option is useful if you are working patient-by-patient for your patients

Export All Data Checkbox XML Files

- This example shows the patient's data in the XML file when the checkbox is not selected

```
2774 <patient>
2775   <medicare-id>079850618E</medicare-id>
2776   <patient-first-name>FNAME216485</patient-first-name>
2777   <patient-last-name>LNAME216485</patient-last-name>
2778   <gender>1</gender>
2779   <birth-date>03/23/1938</birth-date>
2780   <medical-record-number/>
2781   <other-id/>
2782   <provider-npi>0265062770</provider-npi>
2783   <provider-npi-two>0147425326</provider-npi-two>
2784   <provider-npi-three>0956338200</provider-npi-three>
2785   <clinic-identifier>614902219</clinic-identifier>
2786   <general-comments/>
2787   <medical-record-found/>
2788   <medical-not-qualified-reason/>
2789   <medical-not-qualified-date/>
2790   <htn-rank>295</htn-rank>
2791   <htn-confirmed/>
2792   <htn-recent-bp/>
2793   <htn-bp-date/>
2794   <htn-bp-systolic/>
2795   <htn-bp-diastolic/>
2796   <htn-comments/>
2797 </patient>
```

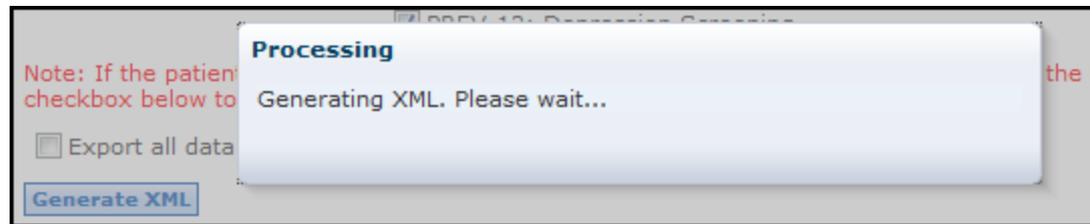
Export All Data Checkbox XML Files

- This example shows the same patient's data in the XML file when the checkbox is selected

```
3194 <patient>
3195   <medicare-id>079850618E</medicare-id>
3196   <patient-first-name>FNAME216485</patient-first-name>
3197   <patient-last-name>LNAME216485</patient-last-name>
3198   <gender>1</gender>
3199   <birth-date>03/23/1938</birth-date>
3200   <medical-record-number/>
3201   <other-id/>
3202   <provider-npi>0265062770</provider-npi>
3203   <provider-npi-two>0147425326</provider-npi-two>
3204   <provider-npi-three>0956338200</provider-npi-three>
3205   <clinic-identifier>614902219</clinic-identifier>
3206   <general-comments/>
3207   <medical-record-found/>
3208   <medical-not-qualified-reason/>
3209   <medical-not-qualified-date/>
3210   <hf-rank>181</hf-rank>
3211   <hf-confirmed/>
3212   <hf-lvsd/>
3213   <hf-beta-blocker/>
3214   <hf-comments/>
3215   <htn-rank>295</htn-rank>
3216   <htn-confirmed/>
3217   <htn-recent-bp/>
3218   <htn-bp-date/>
3219   <htn-bp-systolic/>
3220   <htn-bp-diastolic/>
3221   <htn-comments/>
3222   <pccolorectal-rank>109</pccolorectal-rank>
3223   <pccolorectal-confirmed/>
3224   <pccolorectal/>
3225   <pcpneumoshot-rank>326</pcpneumoshot-rank>
3226   <pcpneumoshot-confirmed/>
3227   <pcpneumoshot/>
3228 </patient>
```

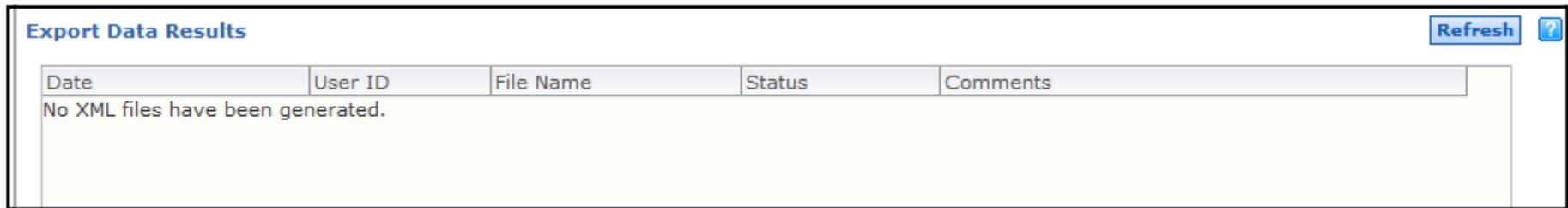
Generate XML File

- After making your selections, click the **Generate XML** button
- Confirmation of the request appears



- The request to generate the XML file is sent to the database and the **Export Data Results** table is updated with the status of the file generation

Export Data Results Table



Date	User ID	File Name	Status	Comments
No XML files have been generated.				

- The **Export Data Results** table will provide information on the current and prior file generation requests for your TIN
 - **Date** and time of the file generation request
 - **User ID** (IACS ID) of the user generating the file
 - **File Name**, which reflects the Export Data Set selected
 - **Status** of the file generation
 - **Comments**, which contains the list of modules selected
- The **Refresh** button updates the list and the status of the current file generation request
- If XML files have not been generated for your TIN, the table will display a message instead of request results

Exporting XML Files

- When the status of the file is **Complete**, the file name is a hyperlink that can be used to download the XML file

Export Data Results				
Date	User ID	File Name	Status	Comments
12/05/2013 12:13PM	JM24	Patients.xml	Request Received	CARE-1,CARE-2,CAD,6,PREV-7,PREV-8,PRE12
12/05/2013 12:05PM	JM24	Patients.xml	Complete	CARE-1,CARE-2,CAD,6,PREV-7,PREV-8,PRE12

- Selecting the hyperlink will open the Windows File Download popup to save or open the file
- Files can be downloaded after the date they were created, but will only contain data current at the time the file was generated

Viewing and Modifying XML Files

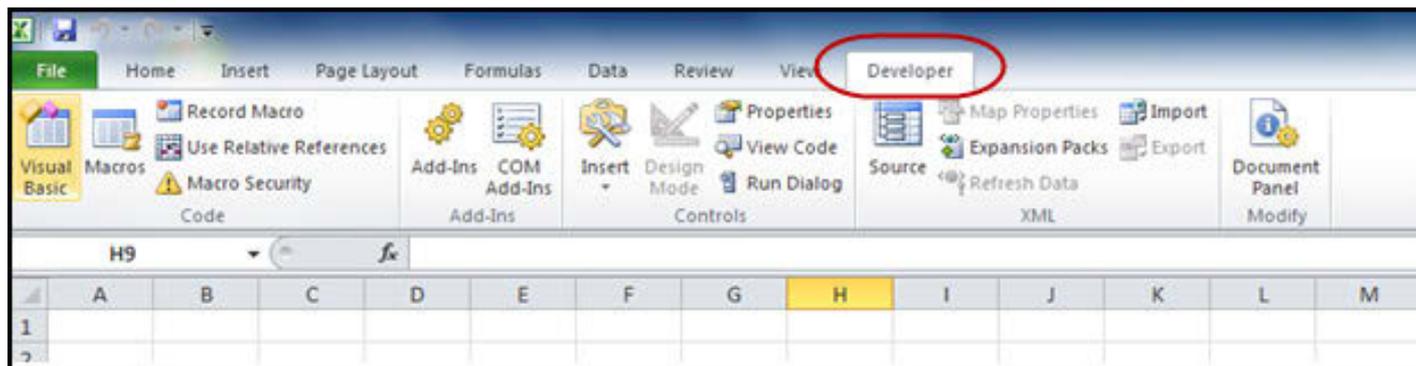
- The file can be viewed as a read only XML file which opens in Internet Explorer
- The file can be viewed and modified as an XML file using free text editors such as Notepad++, or any other editor that has the capability to save with encoding UTF-8 without BOM
- The file can be viewed and modified as an XML file using proprietary XML editors
- The file can be used as input into GPRO or ACO developed software to create XML files
- The files can be viewed and modified with Microsoft Excel

Using Excel with XML Files

- All XML files exported from the Web Interface can be imported into an Excel spreadsheet
- The Excel spreadsheet can be used to view, sort, or filter the exported data using standard Excel functionality
- The Excel spreadsheet can be used with the provided XSD files to update the **Patient** and **Patient Discharge** data and to create an XML file for upload into the Web Interface
- The XML Specification contains directions on how to import and export Web Interface XML files using Excel 2007, 2010, and 2013

Importing XML Files into Excel

- The **Developer Tab** in Excel is used to import the XML files from the Web Interface and to create XML files using the data in the spreadsheet
 - The following screenshots are from Excel 2010, but Excel 2007 or 2013 may also be used

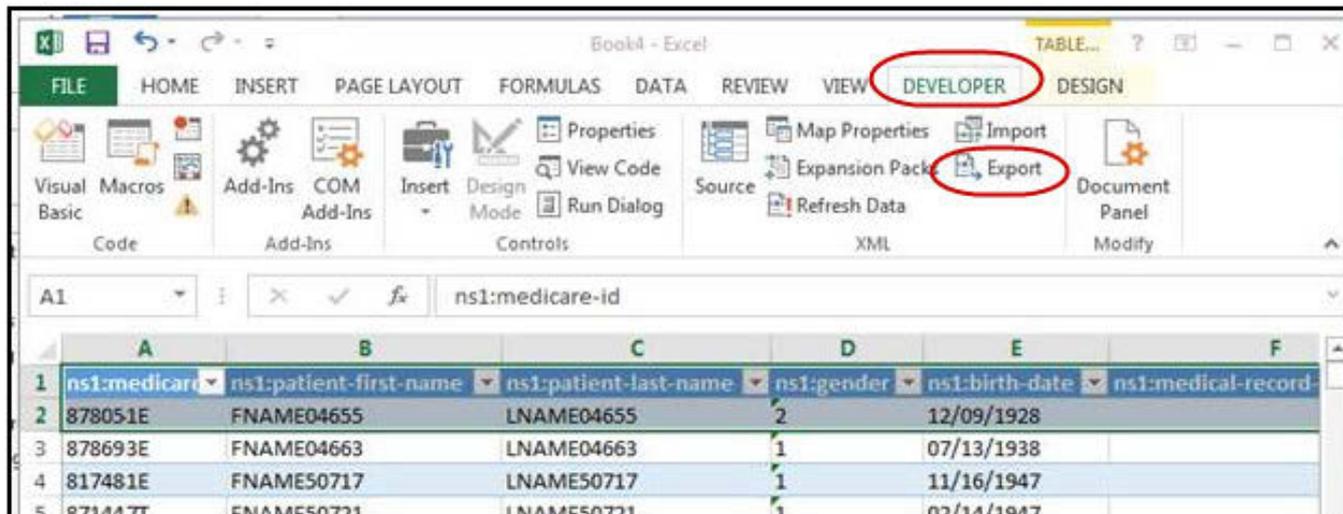


Importing XML Files into Excel (cont.)

- Set up the workbook by adding the XSD Mapping to the Excel workbook
 - The Patient XSD must be used when importing or creating Patient XML files
 - The Patient Discharge XSD must be used when importing or creating Patient Discharge XML files
- Import the XML file into the Excel workbook
- Detailed step-by-step directions on how to add the **Developer Tab**, map the XSD, and import the files are provided in the XML Specifications

Exporting XML Files from Excel

- After importing and editing the XML data in the Excel file, The **Developer Tab** is used to **Export** the data
- The exported file must be edited to remove Excel added tags



Editing XML Files Exported from Excel

- When Exporting XML files, Excel adds a default Target Name Space (TNS) to the tags and a default header
- The TNS addition to the tag, **ns1:**, must be removed from the XML tags before uploading the file in the Web Interface
- The TNS can be removed with a text editor, such as NotePad++, using find and replace
 - The editor used must support saving the file with encoding **UTF-8 without BOM**

Editing XML Files Exported from Excel (cont.)

- The first two lines in the XML file generated by Excel must be replaced with the appropriate header as indicated in the XML Specifications
 - The header from an exported XML file may be copied into the file created by Microsoft Excel
 - Files that do not have the TNS removed or do not have the appropriate header will be rejected as having an invalid format when they are uploaded
 - Full instructions on the appropriate replacements are included in the XML specifications

XML Data

- You may upload your XML data to one or more files
- Examples of how the data can be uploaded:
 - Upload one module at a time
 - Upload all data available in your electronic health record system
 - Upload Medical Record Numbers for the patients
 - Upload test dates and enter dates manually
 - When multiple locations exist for a TIN, upload patients for each location in a separate file

Empty Tags in the XML Data

- When the XML file is exported, empty tags are provided for each data item in the modules in which the patient is ranked
- The empty tags are provided so you know which tags can be used for the patient
- The empty tags can be removed if the tag is not required
 - For example, if the patient cannot be confirmed in a module, the measure data is not required
- Empty tags will be ignored in the XML processing

Pre-filled Data in the XML Data

- Pre-filled data can be overwritten if more recent data is available in the patient's medical record
- If you are unable to confirm a pre-filled test was performed, or you do not have the result
 - Set the value in the tag for the test or screening to **1** to indicate the test was not performed (e.g. Screening Performed, Vaccination Received, HbA1c Test) or
 - Set the value for the result to zero (e.g. HbA1c Result or LDL-C result)
- See the appropriate 2013 GPRO Supporting Documents for details on each of the pre-filled measures

XML Processing

- XML tags containing data will overwrite any existing data already entered using XML or manual entry
- If a data field does not apply to a patient, you do not need to provide the XML tag
 - For example, in DM-16 if the patient does not have IVD, you do not need to provide a tag or value for Daily Aspirin Use
 - If you provide a value that is not required for the patient, it will be ignored in the measure performance calculations
- When included in the file, the XML tags must be in the order specified in **Appendix A** for the **Patient** file or in order specified in **Appendix B** for the **Patient Discharge** file

XML Processing (cont.)

- The **CARE-1** discharge dates for a patient in the XML file must be the same as the pre-populated discharge dates in the Web Interface
 - The data guidance allows plus or minus two days from the pre-populated date to confirm the discharge, but the date in the XML file must be an exact match
- The **Clinic ID** and **Provider NPI** must exist in the Web Interface before they can be used in the XML file

Upload Data Screen

<Your Organization Name Here> Accessibility | Help

Home Reports ▾ Export Data Upload Data Add/Edit ▾ Locked Records List Users Submit Preferences

Upload Data ?

* Upload Data Set ▾

Note: No other users should be using the database while data is being uploaded.

* Source File

Note: The name of the file can not exceed 35 characters.

* Required field

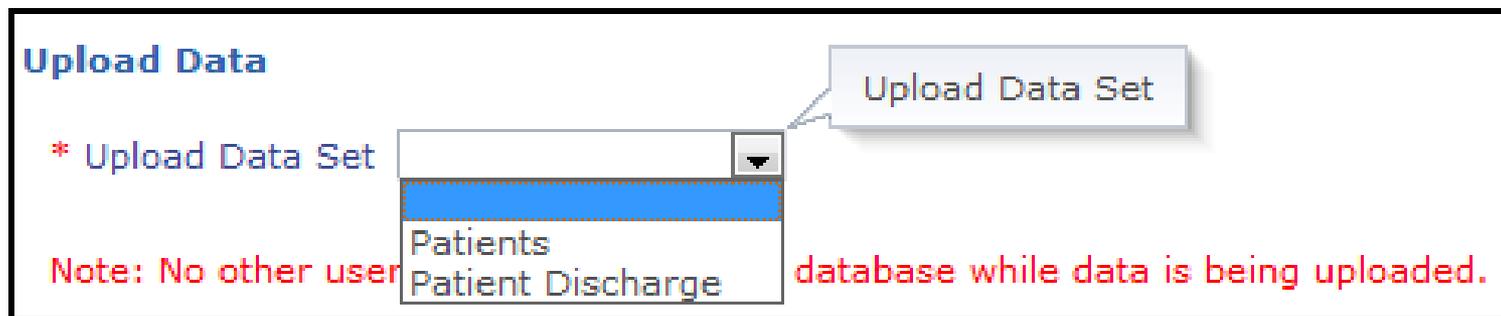
Upload Data Results Refresh ?

Date	User ID	File Name	File Type	Status
No XML files have been uploaded.				

◀ ▶

Uploading XML Files

- Two data sets can be imported into the Web Interface
 - Patients
 - Patient Discharge
- Select one of the options on the **Upload Data Set** pull-down menu



Uploading XML Files (cont.)

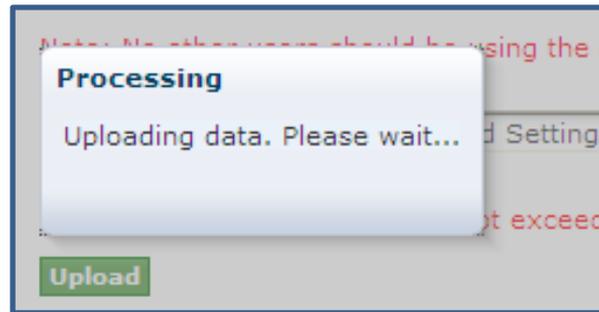
- Select the **Browse** button to open the Windows file selector and chose the file to upload

The screenshot shows a web application interface for uploading XML files. The interface includes a navigation menu with options like Home, Reports, Export Data, Upload Data, Add/Edit, and Lock. The main section is titled "Upload Data" and contains a dropdown menu for "Upload Data Set" set to "Patients". A red note states: "Note: No other users should be using the database while data is". Below this is a "Source File" input field with a "Browse..." button circled in red and a red arrow pointing to it. Another red note says: "Note: The name of the file can not exceed 35 characters." There is a green "Upload" button and a red asterisk indicating a required field. The "Upload Data Results" section shows a table with columns for Date, User ID, and File Name, with the message "No XML files have been uploaded." overlaid on it.

The overlaid Windows file selector dialog, titled "Choose File to Upload", shows the "Documents" library. The "Name" column lists a file named "Patients" with a size of 12 KB. The "File name" field at the bottom contains "Patients" and the file type is set to "All Files (*.*)". The "Open" button is highlighted.

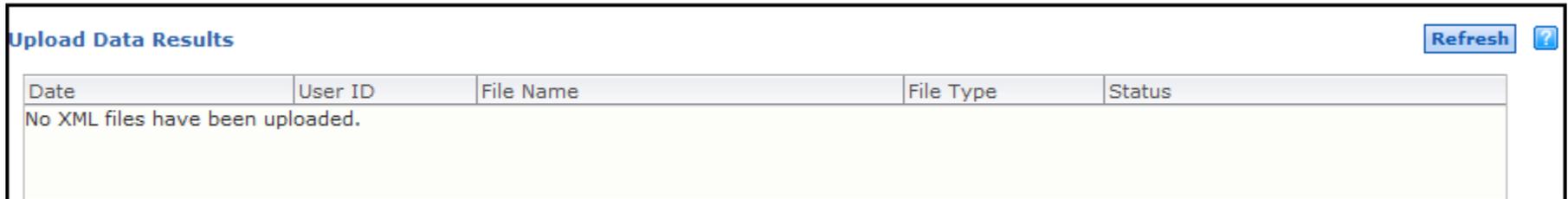
Uploading XML Files (cont.)

- Click the **Upload** button
- Confirmation of the upload request will appear



- The request to upload the XML file is sent to the database and the **Upload Data Results** table is updated with the status of the file submission

Uploading XML Files (cont.)



Date	User ID	File Name	File Type	Status
No XML files have been uploaded.				

- The **Upload Data Results** table will display information on the current and prior file uploads
 - **Date** and time the file was uploaded
 - **USER ID** (IACS ID) of the user uploading the file
 - User provided **File Name** for the uploaded file
 - **File Type** – Patient or Patient Discharge
 - **Status** of the upload processing
- The **Refresh** button updates the list and the status of the current file processing
- If XML files have not been uploaded for your TIN, the table will display a message instead of request results

XML File Errors

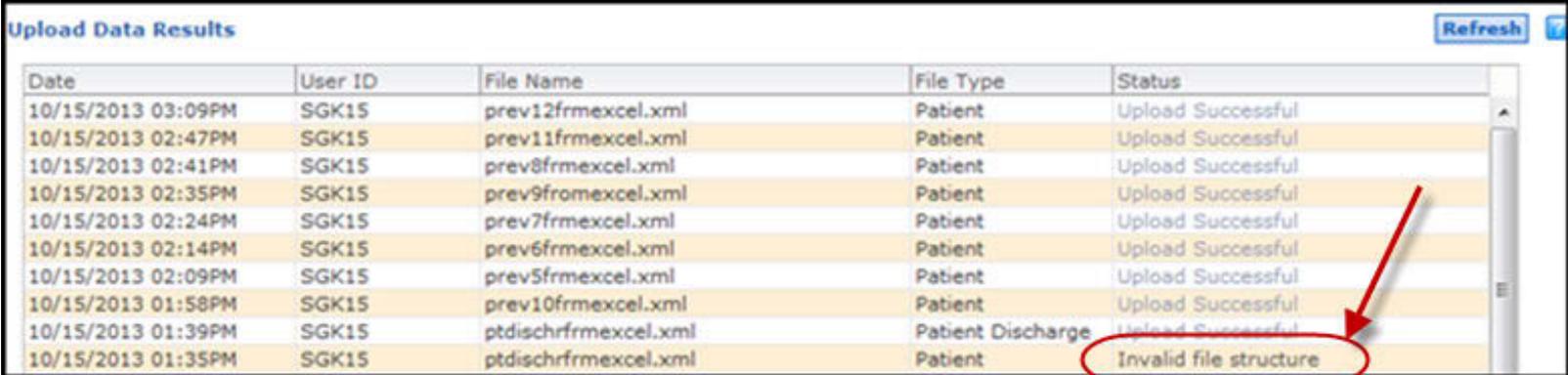


- This error message will appear if the XML file was not saved with encoding **UTF-8 without BOM**
- If the header for the XML file is invalid, the Error message will appear and no further validation will be done on the file

XML File Editing Hints

- XML files cannot contain unprintable characters or BOM and those files with unprintable characters will be marked as invalid
 - Unprintable characters will not appear in Wordpad or Notepad
 - Wordpad may even **ADD** unprintable characters when copying
 - The freeware editors found to be most helpful to display special characters for removal are **Notepad++** and **PSPad**
- XML files do not need to be formatted using Pretty-Print
 - The `<?xml version="1.0" encoding="UTF-8"?>` line must be on a separate line from all other data
 - Files with the `<?xml version="1.0" encoding="UTF-8"?>` line on the same line as other data will be marked as having an invalid header
- The header format for a file to be uploaded may be copied from a file that has been downloaded
 - The header format in an exported XML file is the same format used in an XML file to be uploaded
 - The File Audit data and Submission Period data are optional, but may be included to help you track your files
 - Patient XML file header and Patient Discharge XML file header are different
- While some users have been able to save and successfully upload files using various encoding methods, **UTF-8 without BOM** has been found to be the most reliable

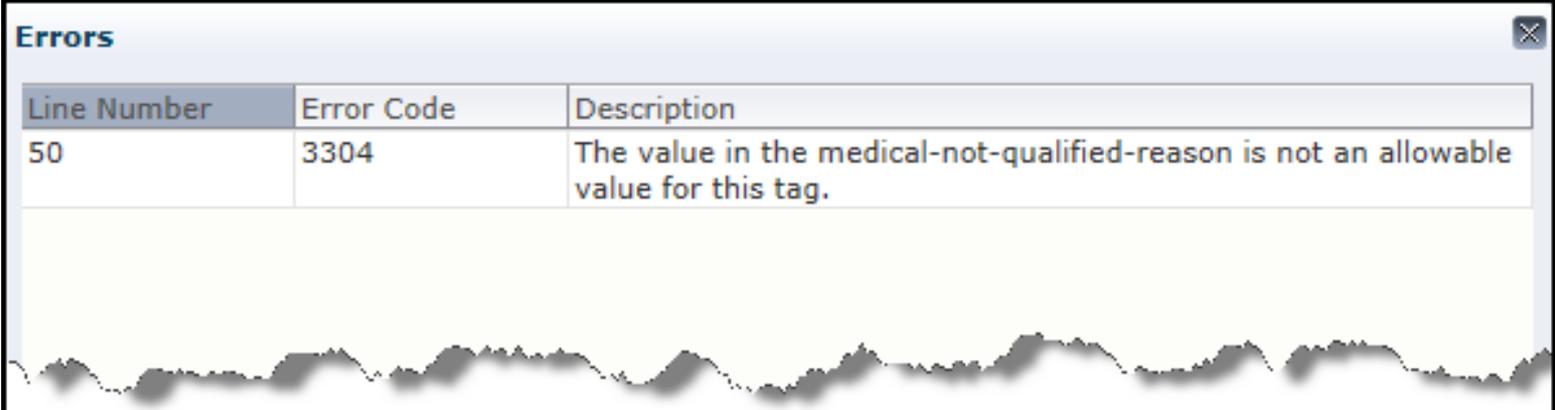
XML File Errors (cont.)



Date	User ID	File Name	File Type	Status
10/15/2013 03:09PM	SGK15	prev12frmexcel.xml	Patient	Upload Successful
10/15/2013 02:47PM	SGK15	prev11frmexcel.xml	Patient	Upload Successful
10/15/2013 02:41PM	SGK15	prev8frmexcel.xml	Patient	Upload Successful
10/15/2013 02:35PM	SGK15	prev9frmexcel.xml	Patient	Upload Successful
10/15/2013 02:24PM	SGK15	prev7frmexcel.xml	Patient	Upload Successful
10/15/2013 02:14PM	SGK15	prev6frmexcel.xml	Patient	Upload Successful
10/15/2013 02:09PM	SGK15	prev5frmexcel.xml	Patient	Upload Successful
10/15/2013 01:58PM	SGK15	prev10frmexcel.xml	Patient	Upload Successful
10/15/2013 01:39PM	SGK15	ptdischrfrmexcel.xml	Patient Discharge	Upload Successful
10/15/2013 01:35PM	SGK15	ptdischrfrmexcel.xml	Patient	Invalid file structure

- If the XML file is valid, the **Status** will display **Upload Successful** when processing is complete
- If there are errors in the XML file, the **Status** will display **Invalid file Structure**
- The **Invalid file Structure** text will be a hyperlink, which can be selected to display the associated errors

XML File Errors (cont.)



Line Number	Error Code	Description
50	3304	The value in the medical-not-qualified-reason is not an allowable value for this tag.

- Up to 500 errors appear in a grid with the **Line Number** of the error, the **Error Code**, and a **Description** of the error
- The error codes and valid values for each tag are detailed in the XML Specifications

Check Entries Report

<Your Organization Name Here>

Check Entries Report - 10/24/2013 09:33AM -- <Your Organization Name Here>

Medicare ID	Type	Measure	Element	Message	Provider Name 1	Provider Name 2	Provider Name 3
622696114E	ERROR	CARE-2	Screening for Future Fall Risk	The value is missing.	PLNAME022761, PFNAME022761	PLNAME022710, PFNAME022710	PLNAME022730, PFNAME022730
622696114E	WARNING	CAD-7	Has Diabetes	Inconsistent with similar element: DM: DM Confirmed.	PLNAME022761, PFNAME022761	PLNAME022710, PFNAME022710	PLNAME022730, PFNAME022730
622696114E	WARNING	DM Confirmation	DM Confirmed	Inconsistent with similar element: CAD: Has Diabetes.	PLNAME022761, PFNAME022761	PLNAME022710, PFNAME022710	PLNAME022730, PFNAME022730
283943584C	ERROR	CARE-2	CARE-2 Confirmation	The value is missing.	PLNAME022658, PFNAME022658	PLNAME022761, PFNAME022761	PLNAME022692, PFNAME022692
281155695E	ERROR	CARE-2	CARE-2 Confirmation	The value is missing.	PLNAME022714, PFNAME022714	PLNAME022729, PFNAME022729	PLNAME022672, PFNAME022672
283358089E	ERROR	CARE-2	CARE-2 Confirmation	The value is missing.	PLNAME022701, PFNAME022701	PLNAME022702, PFNAME022702	PLNAME022662, PFNAME022662
223155930E	ERROR	CARE-2	CARE-2 Confirmation	The value is missing.	PLNAME022734, PFNAME022734	PLNAME022717, PFNAME022717	PLNAME022649, PFNAME022649

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CMS SENSITIVE INFORMATION - REQUIRES SPECIAL HANDLING

Check Entries Report (cont.)

- The **Check Entries Report** is new for 2013
- This report enables you to find errors and warnings for all patients
- The report will list
 - The patient's **Medicare ID**
 - The **Type** of message (error or warning)
 - The **Measure** and **Element** within the measure with the error or warning
 - **Message** describing the error or warning
 - Up to three **Provider Names** for the patient

Check Entries Report (cont.)

- Generate the report after uploading your XML files or manually editing the patients to find any missing or inconsistent data
- The report will list errors and warning for all patients, so generating before you begin abstraction will create a large file
- The missing data is based on the required data using the parent/child relationship

Check Entries Report (cont.)

- An error appears if the **Medical Record Found** does not have an answer
 - No other values for the patient will be checked until an answer is provided for **Medical Record Found**
- If **Medical Record Found** is **Yes**
 - The **Confirmation** for each module in which the patient is ranked will be checked and an error will appear for each confirmation missing a value
 - Measure values will not be checked in a module until the **Confirmation** for the module is set to **Yes**
- If **Confirmation** is **Yes** for the module, required values for the measures in that module are checked

Free Source Code Editors

- Notepad++ and PSPad are free source code editors that support encoding in **UTF-8 without BOM**
- A downloadable package, which does not require installation, is available for both Notepad++ and PSPad
- Notepad++ is available at <http://notepad-plus-plus.org>
- PSPad is available at <http://www.pspad.com>

List of 2013 GPRO Webinars

- Look out for these other 2013 PQRS GPRO Webinars on the CMS YouTube site: <http://go.cms.gov/GPROPlaylist>
 - 2013 PQRS GPRO 101 Parts 1 & 2
 - 2013 GPRO Reporting Mechanisms Parts 1 & 2
 - 2013 GPRO Value-Based Modifier
 - Public Reporting
 - Measures Overview
 - Individuals Authorized Access to the CMS Computer Services (IACS)
 - 2013 PQRS GPRO and ACO Web Interface Measure Specifications/ Supporting Documents Parts 1, 2 & 3
 - 2013 PQRS GPRO and ACO Web Interface Assignment and Sampling
 - CAHPS Overview

Upcoming Support Calls

- Live support calls will held on the following dates:
 - 1/9, 2-4 pm ET – GPRO Web Interface training
 - 1/16, 2-4 pm ET – Question & Answer Session
 - 1/27-1/31, 2-3 pm ET –
 - Daily support calls during the first week of submission
 - 2/6, 2/13, 2/20, 2/27, 3/6, 3/13, 3/20, 2-3 pm ET –
 - Weekly support calls during the remaining submission period

Resources

- GPRO Section of CMS PQRS Website:
http://www.cms.gov/Medicare/Quality-Initiatives-Patient-Assessment-Instruments/PQRS/GPRO_Web_Interface.html
- Medicare Shared Savings Program Website:
<http://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/sharedsavingsprogram/index.html>
- QualityNet Help Desk
 - Monday – Friday: 7:00 am - 7:00 pm CT
 - E-mail: qnetsupport@sdps.org
 - Phone: (866) 288-8912 (TTY 1-877-715-6222)
 - Fax: (888) 329-7377

