

# ONCOLOGY CARE MODEL

## OCM Data Registry File Submission Guide

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 **SECTION  
508**



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# 1. File Processing

## 1.1 Introduction

This Oncology Care Model (OCM) File Submission Guide is intended to aid the user in the preparation and use of the file upload feature in the Oncology Care Model (OCM) Data Registry. The purpose of this document is to:

- Explain the file processing and validation process,
- Explain the different file upload methods,
- Define the upload fields for the OCMR Patient Upload File\_v1.1, OCMR Staging Abstraction Tool\_PP8\_v3.0, OCMR Staging Upload Template\_PP8\_v3.0, Staging Data Gap Export Report, and MBI Transition Upload Template, and
- Define the field validations and error messages for the uploaded data.

## 1.2 Count Records













When a file is uploaded to the Data Registry, the number of records will be counted for the file.

## 1.3 File Validations

The second step is file validation. The file will be checked for file formatting, column headers, and/or transaction IDs. If the file does not pass validation, the uploaded file will get an error status and the file will not be uploaded. The user will need to review the error log and fix the file formatting before re-uploading the file into the Data Registry. See example in Figure 1 below.

**Figure 1: A File with an Error Status that Failed File Validation**

Previous Uploads

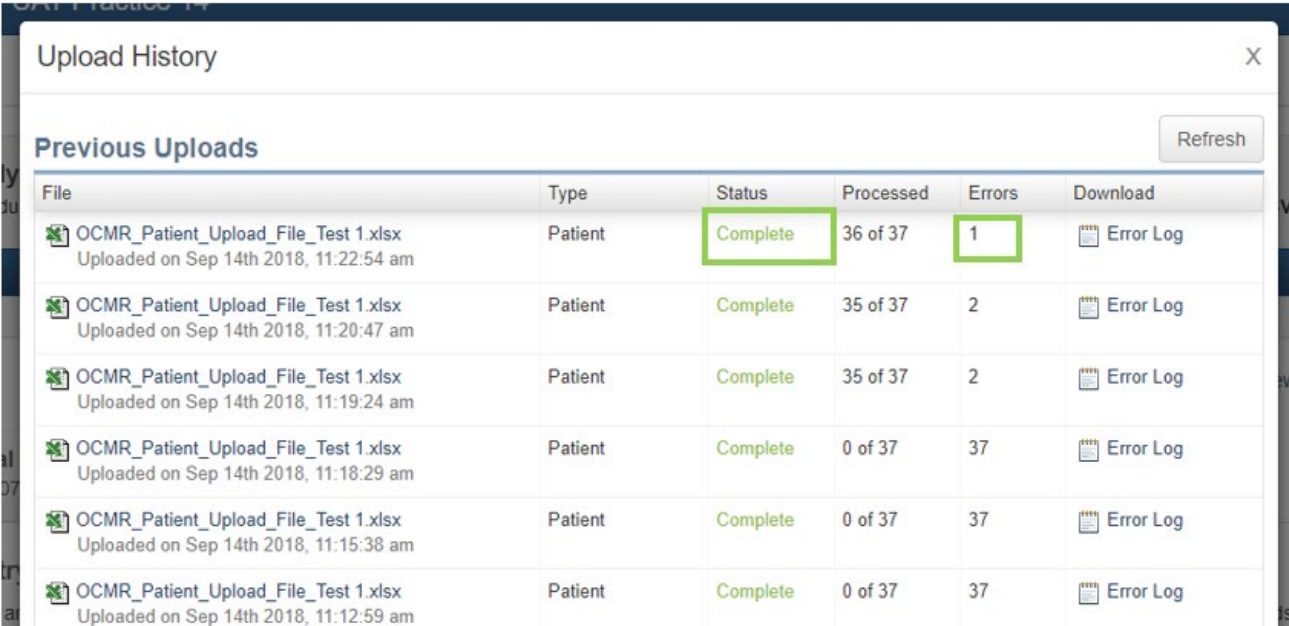
Refresh Data					
File	Type	Status	Processed	Errors	Download
 Error Test-OCMDataRegistryStagingAb... Uploaded on May 23rd 2018, 3:45:16 pm	Paper Tool	Error	0 (of 0)	0	 Error Log
 Error Test-OCMDataRegistryStagingAb... Uploaded on May 23rd 2018, 3:41:29 pm	Paper Tool	Complete	149 (of 149)	29	 Error Log
 OCMDataRegistryStagingAbstractionTo... Uploaded on May 21st 2018, 2:50:09 pm	Paper Tool	Complete	149 (of 149)	28	 Error Log
 OCMR_Patient_Upload_File_v1.2.xlsx Uploaded on May 21st 2018, 2:49:58 pm	Patient	Complete	0 (of 150)	150	 Error Log
 OCMDataRegistryStagingAbstractionTo... Uploaded on May 11th 2018, 4:35:23 pm	Paper Tool	Complete	149 (of 149)	123	 Error Log
 OCMR_Patient_Upload_File_v1.2.xlsx Uploaded on May 11th 2018, 4:35:02 pm	Patient	Complete	150 (of 150)	0	
<b>Legend:</b>  Error Log Select this file if you encountered errors with your uploaded file. This file will contain a list of your errors.					
CLOSE					

## 1.4 Data Validation

The third upload step is the data validation. The data will be validated for data and field formatting, as described in the section [2.2](#).

**Note:** Column headers need to be included in all upload fields. If the record does not pass validation, the record will get an error and will not be uploaded, but the remaining file contents will be uploaded. Records with warnings will be uploaded, but the record will be noted as a warning in the error log.

Figure 2: A File with a Complete Status with the Number of Errors / Warnings Provided



File	Type	Status	Processed	Errors	Download
OCMR_Patient_Upload_File_Test 1.xlsx Uploaded on Sep 14th 2018, 11:22:54 am	Patient	Complete	36 of 37	1	Error Log
OCMR_Patient_Upload_File_Test 1.xlsx Uploaded on Sep 14th 2018, 11:20:47 am	Patient	Complete	35 of 37	2	Error Log
OCMR_Patient_Upload_File_Test 1.xlsx Uploaded on Sep 14th 2018, 11:19:24 am	Patient	Complete	35 of 37	2	Error Log
OCMR_Patient_Upload_File_Test 1.xlsx Uploaded on Sep 14th 2018, 11:18:29 am	Patient	Complete	0 of 37	37	Error Log
OCMR_Patient_Upload_File_Test 1.xlsx Uploaded on Sep 14th 2018, 11:15:38 am	Patient	Complete	0 of 37	37	Error Log
OCMR_Patient_Upload_File_Test 1.xlsx Uploaded on Sep 14th 2018, 11:12:59 am	Patient	Complete	0 of 37	37	Error Log

## 1.5 Measure Evaluation

For practice-reported quality measures, only aggregate results are required to be reported. Practices will not report any beneficiary-level measure data.

As such, practices will be required to manually enter the aggregate denominator, denominator exclusion, numerator and denominator exception totals in the OCM Data Registry for all measures.

To see the OCM Quality Measure Specifications and other supporting documents associated with the September 30, 2021 deadline, please access the 'Quality Measures Submission Deadline September 2021' subfolder in the 'Quality Measures Reporting Reference Documents' folder available on OCM Connect.

## 1.6 Data Processing and Storage

Data uploaded via file upload will be saved to the Data Registry database after validation. The patient data, staging data, and codes will be extracted from the databases and sent to the User Interface (UI) for display to the user as patient data and staging data.

Upon each subsequent upload, the data will be purged and replaced with the updated data into the Data Registry database. This includes manual upload; all staging and clinical data may be updated using file upload regardless of how it was originally input into the OCM Data Registry. Current Clinical Status is the exception to this; multiple values for this field can be uploaded for a patient and all values will be stored.

The codes will be translated to the UI based on the code and the code date, regardless of the source.

## 2. Upload Patients and Patient Data

### 2.1 File Upload Methods

The Patient Upload File, Staging Abstraction Tool, Staging Upload Template, Staging Data Gap Export Report, and MBI Transition Upload Template are all file upload methods in the Data Registry. The table below explains what data each file uploads.

Table 1: File Upload Options

File Upload Method	Data	Registry Location
<b>OCMR Patient Upload File_v1.1</b>	File option to upload patient data.	Resources box on the Upload Patients and Patient Data page in the Data Registry
<b>OCMR Staging Abstraction Tool_PP8_v3.0</b> & <b>OCMR Staging Upload Template_PP8_v3.0</b>	File options to upload staging and clinical data. Must be used with the OCMR Patient Upload File_v1.1.	Resources box on the Upload Patients and Patient Data page in the Data Registry
<b>Staging Data Gap Export Report</b>	File option to upload staging and clinical data to fill data gaps present for those patients identified as being 'staging incomplete'.	Select the 'Export Reports' button, and 'Export Gap Report' option from the Staging tab in the Data Registry.
<b>MBI Transition Upload Template</b>	File option to upload MBI transition data	Available when selecting 'Perform Bulk Actions' and then 'Transition Patients to MBI' from the OCMR Staging Tab

The OCMR Patient Upload File\_v1.1, OCMR Staging Abstraction Tool\_PP8\_v3.0, OCMR Staging Upload Template\_PP8\_v3.0, and OCMR Upload Definition File v6\_20201201 are available in the Resources box on the 'Upload Patients and Patient Data' page (Figure 3), accessible through the 'Staging' tab 'Upload Spreadsheet' button in the Data Registry. The Staging Data Gap Export report is available on the 'Staging' tab in the Data Registry. The OCMR Upload Definition File v6\_20201201 explains the fields for each staging file.

These documents are also available on OCM Connect by searching for the filenames (OCMR Patient Upload File\_v1.1, OCMR Staging Abstraction Tool\_PP8\_v3.0, OCMR Staging Upload Template\_PP8\_v3.0, and OCMR Upload Definition File v6\_20201201).



**Figure 3: Upload Patients and Patient Data Resources**

**HOME MEASURES STAGING SUBMISSION FAQ SUPPORT**

OCM DEV UAT Practice 14

## Upload Patients and Patient Data

To begin the upload process, please download the Data Templates. These files contain the correct column/row headers which correspond to the required data elements. Place the appropriate data into the template, and ensure that the columns match properly. Editing the template column header will cause errors during the upload process. The Definition File is available for download if you need assistance with the data templates.

For all patient data uploads, please upload the entire patient history. All previously uploaded patient data history will be erased and replaced with the currently uploaded data for any patients that are included in the uploaded staging files. At the end of each submission period, the data for that measurement period will be archived.

**Resources**

- Patient Template
- Definition File
- Staging Abstraction Tool
- Staging Template

**Upload Patient Files**

Select patient files to upload. You may upload the patient file and the CSV data file at the same time. Please limit uploaded files to approx. 50,000 records per file. Only .xls, .xlsx, .csv files are accepted.

**SELECT PATIENT FILES**

**Upload Staging Files**

Select staging data files to upload. Please upload the entire patient history in the same staging file. You may upload the patient file and the staging data file at the same time. Please limit uploaded files to approx. 3,000 records per file. Only .xls, .xlsx, .csv files are accepted.

**SELECT PATIENT STAGING FILES**

The OCMR Upload Definition File v6\_20201201 will provide the upload file structures for the OCMR Patient Upload File\_v1.1, OCMR Staging Abstraction Tool\_PP8\_v3.0, and OCMR Staging Upload Template\_PP8\_v3.0. The Data Registry will accept .csv, .xls, and .xlsx formatted files for upload.

The Staging Data Gap Export report is available in the Staging tab of the Data Registry when selecting the 'Export Reports' button, and then 'Export Gap Report' option. An overview of the report can be found in Section [2.1.8](#) below.

The MBI Transition Upload Template and MBI Transition Upload Template Definition File are available when selecting 'Perform Bulk Actions' (Figure 4) and then 'Transition Patients to MBI' (Figure 5) from the OCMR Staging Tab. Once selected, the two files appear in the modal window (Figure 6). The Data Registry will accept .csv, .xls, and .xlsx formatted files for upload.

These documents are also available in the Library on OCM Connect by searching for the file names (MBI Transition Upload Template and MBI Transition Upload Template Definition).

Figure 4: MBI Transition Step 1- Perform Bulk Actions

The screenshot shows the OCM DEV UAT Practice 9 interface. At the top, there's a navigation bar with 'HOME', 'MEASURES', 'STAGING', and 'SUBMISSION'. The 'STAGING' tab is active. Below the navigation bar, there's a header for 'OCM DEV UAT Practice 9'. The main content area is titled 'Staging'. It contains two main sections: 'Manually Enter Patient Data' with an 'ADD NEW PATIENT' button, and 'Upload Your Own File' with an 'UPLOAD SPREADSHEET' button. Below these, there's a yellow alert box stating: 'Attention! There are duplicate patient records reported in the registry for your practice. Click Here to view and address the duplicate patient records.' To the right, there's a 'View Previous Uploads' link and a 'Perform Bulk Actions' button, which is highlighted with a green box. Below this, there's a 'PP8 Attribution' section showing '18 of 81 need attention' and 'All Patients in Registry' showing '997 patients'. The 'PP8 Attribution' section has a description: 'This tab contains a list of all the attributed patients for the current performance period. Complete the patient information and the staging data on this list of patients to count toward the attributed patient reporting requirements completeness threshold for the current performance period.' Below the description, there's a search bar with 'All Incomplete Patients' selected, a search input field, and an 'Export Reports' button. A table of patients is displayed with columns: MBI/HICN, First Name, Last Name, Date Of Birth, Last Submitted, Last Updated, and Actions. The first row shows patient ID 583977HR129, First Name Prognostic Multi-Gen..., Last Name DataElement4, Date Of Birth 07/01/1978, Last Submitted 02/18/2021, Last Updated 02/19/2021, and an Actions button.

Figure 5: MBI Transition Step 2- Transition Patients to MBI

The screenshot shows the OCM DEV UAT Practice 14 interface. At the top, there's a navigation bar with 'HOME', 'MEASURES', 'STAGING', and 'SUBMISSION'. The 'STAGING' tab is active. Below the navigation bar, there's a header for 'OCM DEV UAT Practice 14'. The main content area is titled 'Staging'. It contains two main sections: 'Manually Enter Patient Data' with an 'ADD NEW PATIENT' button, and 'Upload Your Own File' with an 'UPLOAD SPREADSHEET' button. Below these, there's a yellow alert box stating: 'Attention! There are duplicate patient records reported in the registry for your practice. Click Here to view and address the duplicate patient records.' To the right, there's a 'View Previous Uploads' link and a 'Perform Bulk Actions' button. Below this, there's a 'Transition Patients to MBI' button, which is highlighted with a green box. Below this, there's a 'PP8 Attribution' section showing '0 of 0 need attention' and 'All Patients in Registry' showing '841 patients'. The 'PP8 Attribution' section has a description: 'This tab contains a list of all the attributed patients for the current performance period. Complete the patient information and the staging data on this list of patients to count toward the attributed patient reporting requirements completeness threshold for the current performance period.' Below the description, there's a search bar with 'All Incomplete Patients' selected, a search input field, and an 'Export Reports' button. A table of patients is displayed with columns: MBI/HICN, First Name, Last Name, Date Of Birth, Last Submitted, Last Updated, and Actions.

**Figure 6: MBI Transition Step 3- Upload Resources****Transition Patients from HICN to MBI**

X

To transition multiple patients from HICN to MBI, please use the Data Template listed below. This file contains correct column/row headers, which correspond to the required data elements. The Definition File is also available for download to assist with the Data Template.

Identity protection is of the utmost importance to CMS. To ensure that patients' MBIs are protected, providers must initiate a transition from using patient HICNs to using patient MBIs when entering data in the OCM Data Registry. The Registry will also allow providers to transition previously added patients with HICNs to MBIs as the unique identifier.

 [Data Template](#)  [Definition File](#)

Please limit the number of records to approximately 50,000 records per file.  
Only .xls, .xlsx, .csv files are accepted.

[SELECT FILE](#)

[Upload](#)[Close](#)

## 2.1.1 File Upload Sizes

The maximum upload size acceptable for the Patient Upload File is 100,000 rows per file. If a practice has more than 100,000 rows of data to upload, split the file into two or more separate files, making sure that an individual patient's data is not split between the files. These two or more files may be uploaded together at the same time. File headers must match as they are provided in the data templates, but columns may be provided in any order.

The recommended maximum upload size acceptable for the Staging Abstraction Tool, Staging Upload Template, and Staging Data Gap Export Report is no more than 3,000 rows. If you wish to include more than 3,000 rows of data, multiple files may be uploaded to the OCM Data Registry.

The recommended maximum upload size acceptable for the MBI Transition Upload Template is no more than 50,000 rows.

As always, practices have the option of entering their patient demographics and staging and clinical data using manual entry.

**Note:** Please be sure to include the full patient record with each staging and clinical data file. Every submittal will be archived and saved. If a reporting period is unlocked, any updates to the archived data will be used for re-submittals. If a reporting period is re-opened during the attribution process, any additions to the archived data will be used for re-submittals.

## 2.1.2 Patient Upload File Overview

The Patient Upload File is designed to be used by practices uploading patients to the OCM Data Registry. The OCMR Patient Upload File\_v1.1 includes all patient demographics, including HICN and MBI.

### 2.1.2.1 Deleting a Previously Reported Patient by File Upload

Practices may edit or delete previously reported patients in the Data Registry via the Patient Upload File. Practices may delete patients who have never been attributed to any performance period. However, practices are not able to delete patients that have ever been attributed to any performance period. As an example, if a patient was attributed to your practice for PP2, you will not be able to delete them in the Data Registry since they have been attributed to one of the performance periods.

If you want to delete a patient via file upload and they have never been attributed to any performance period, you may do so by using the DELETE\_IND field in the Patient Upload File.

When the DELETE\_IND field is set to 'Y' for a row of data in the Patient Upload File, the patient in that row will be deleted from the Data Registry.

If a user tries to delete an attributed patient using the Patient Upload File, the error message "Changes not saved. Patient has not been deleted. This patient has been attributed to at least one performance period and cannot be deleted" will occur (Figure 7).

**Figure 7: Attempting to Delete an Attributed Patient Error**

```
Data Upload Error Log 02/01/2019 13:57 ET
Row 2|Error: Changes not saved. Patient has not
been deleted. This patient has been attributed to
at least one Performance Period and cannot be deleted.
```

### 2.1.3 Staging Abstraction Tool Overview

The Staging Abstraction Tool is designed to aid OCM Participants in the collection of staging and clinical data prior to reporting to the OCM Data Registry via manual entry or upload. Detailed information on staging and clinical data is available in the OCM Staging and Clinical Data Overview and OCM Staging and Clinical Data Specifications, located on OCM Connect.

The OCMR Staging Abstraction Tool\_PP8\_v3.0 may be used for reporting to the OCM Data Registry for the PP8 submission deadline. If desired, the tool can be manually populated using the OCM Staging and Clinical Data Specifications document located on OCM Connect as guidance.

**Note:** Previous versions of the OCMR Staging Abstraction Tool are no longer supported and cannot be uploaded. Practices uploading staging and clinical data must use the OCMR Staging Abstraction Tool\_PP8\_v3.0.

### 2.1.4 Staging Upload Template Overview

Practices may also wish to map data from their EHR to automatically populate staging and clinical data. In this case, it is recommended that the Staging Upload Template be used. This Excel template contains headers identical to those found in the Staging Abstraction Tool but does not include drop-down options or formatting.

For this file, the tab name should be 'Staging'. If it is not 'Staging', the tab should be renamed, or an updated version of the template can be downloaded from OCM Connect.

**Note:** Previous versions of the OCMR Staging Upload Template are no longer supported and cannot be uploaded. Practices uploading staging and clinical data must use the OCMR Staging Upload Template\_PP8\_v3.0.

### 2.1.5 Staging Abstraction Tool vs. Staging Upload Template

The Staging Abstraction Tool and Staging Upload Template are similar with slight differences. These two files include the same column headers but contain formatting differences to support either manual abstraction or EHR extracts.

The Staging Abstraction Tool contains features which assist practices in the manual collection of data. This includes conditional formatting of columns/cells, drop-downs that include valid values, etc., which are intended to make manual collection or tracking of data easy for practices. The Staging Upload Template version is intended to support practices who extract data directly from their EHR to populate this template. This template will have the same column headers and layout, without the conditional formatting, drop-downs, etc.

While the Staging Abstraction Tool supports text values, the Staging Upload Template allows practices to upload text or code values. It is recommended that practices use AJCC TNM values when submitting data electronically. However, the OCM Data Registry will also accept select SNOMED codes for TNM staging for episodes initiating through 2020 as practices work with their EHR vendors to capture and implement standards for transmission of TNM data.

**Note:** *If practices extract data directly from their EHR into the Staging Abstraction Tool, the functionality of the tool may be compromised (i.e., drop-downs and formatting may be overwritten or may no longer function as designed).*

## 2.1.6 Populating the Staging Abstraction Tool or Staging Upload Template

The Staging Abstraction Tool and Staging Upload Template are the two file upload options for staging and clinical data. Both the Staging Abstraction Tool and Staging Upload Template allow practices to upload the staging and clinical data identified in the OCM Staging and Clinical Data Specifications document which can be found on OCM Connect. The Staging Abstraction Tool supports the upload of text values, while the Staging Upload Template supports the upload of both text and code values.

**Note:** *Refer to the OCM Staging and Clinical Data Specifications PP8 v3.0 document for the required and optional staging data elements for each OCM Cancer Bundle and diagnosis code.*

The following sub-sections are general instructions for populating staging and clinical data in the OCMR Staging Abstraction Tool\_PP8\_v3.0 or OCMR Staging Upload Template\_PP8\_v3.0. For additional upload information, please visit the OCM User Manual located on OCM Connect.

### 2.1.6.1 Enter HICN or MBI

In the 'Staging' tab, a 'HICN' or 'MBI' is required for each row of data being reported. Enter a 'HICN' and/or 'MBI'.

If a HICN is reported for a patient without an MBI, the HICN will be displayed for the patient in the Data Registry. If an MBI is reported for a patient without a HICN, the MBI will display for the patient in the Data Registry. If both a HICN and MBI are reported for a patient, only the MBI will display for the patient in the Data Registry.

Patient records that exist in the Data Registry with a HICN cannot be transitioned to an MBI using the OCMR Patient Upload File\_v1.1, Staging Abstraction Tool\_PP8\_v3.0, or OCMR Staging Upload Template\_PP8\_v3.0. See the OCM Data Registry User Manual for instructions on manually transitioning a patient in the Data Registry from HICN to MBI.

For more information on MBIs, please view the OCM Medicare Beneficiary Identifier FAQs\_v1.0 located on OCM Connect.

The 'Delete\_Ind', either the 'HICN' or 'MBI' (whichever field does not contain data), 'Patient\_First\_Name', and 'Patient\_Last\_Name' are optional. In the OCMR Staging Abstraction Tool\_PP8\_v3.0, these fields will be shaded blue since they are optional.

### 2.1.6.2 Enter the Initial\_Diagnosis\_Date and ICD-10\_Cancer\_Diagnosis\_Code

Enter the 'Initial\_Diagnosis\_Date' and 'ICD-10\_Cancer\_Diagnosis\_Code', and then enter the applicable 'Descriptor', and 'OCM\_Cancer\_Bundle'. In the OCMR Staging Abstraction Tool\_PP8\_v3.0, the tool will validate that the 'Diagnosis\_Code' is relevant to OCM, and upon entry of an applicable 'Diagnosis\_Code', the 'Descriptor', and 'OCM\_Cancer\_Bundle' fields will auto-populate. In the OCMR Staging Upload Template\_PP8\_v3.0, the practice can enter the applicable Descriptor and Cancer Bundle or may leave these fields blank since they are optional.

If an 'Initial\_Diagnosis\_Date' prior to 01/01/2018 is reported, the 'AJCC\_Edition' field should have a value of '7<sup>th</sup>'. If an 'Initial\_Diagnosis\_Date' of 01/01/2018 or later is reported, the 'AJCC\_Edition' could have a value of '7<sup>th</sup>' or '8<sup>th</sup>'.

In the OCMR Staging Abstraction Tool\_PP8\_v3.0, the 'AJCC\_Edition' field drop-down options will automatically populate based on the 'Initial\_Diagnosis\_Date' provided.

In the OCMR Staging Abstraction Tool\_PP8\_v3.0, once an AJCC Edition value is selected from the drop-down, all remaining fields in the row will be shaded gray if the field is not applicable to that 'Diagnosis\_Code', and shaded blue if the field is optional for that 'Diagnosis\_Code'. Data does not need to be entered into gray shaded fields. Fields that are not shaded are required for the 'Diagnosis\_Code' and 'AJCC\_Edition' entered in that row. In each field, a drop-down list is available to select the appropriate value, or the user can manually enter the data.

Users must enter the remaining required fields applicable to the provided 'Diagnosis\_Code' and 'AJCC\_Edition' and *may* enter optional fields. A value of 'None Selected' means that data is not yet available, but will be populated when it becomes available.

### 2.1.6.3 Prognostic Multi-Gene Assay Reporting

For applicable diagnoses, when the 'Prognostic\_Multi-Gene\_Assay\_Performed\_Optional' field is answered 'Yes', the 'MammaPrint\_Result\_Optional', 'Oncotype\_Dx\_Result\_Optional', and 'Prosigna\_Result\_Optional' are optional. In the OCMR Staging Abstraction Tool\_PP8\_v3.0, these fields will be shaded blue for optional.

The OCM Data Registry currently accepts only numeric result values for these fields, and reporting is optional in the tool since practices will not be able to report any non-numeric values. If numeric results are available, practices are strongly encouraged to report the values.

### 2.1.6.4 Deleting Previously Reported Staging and Clinical Data

The 'Delete\_Ind' can be used to indicate that all previously reported staging and clinical data for a patient and diagnosis should be deleted. This field is optional. In the OCMR Staging Abstraction Tool\_PP8\_v3.0, this field will be shaded blue since it is optional.

- To delete all previously reported staging and clinical data (including all 'Current\_Clinical\_Status' values) for a patient and diagnosis, select 'Y' for the 'Delete\_Ind' and enter the 'HICN' and/or 'MBI', 'Initial\_Diagnosis\_Date', and 'ICD-10\_Cancer\_Diagnosis\_Code'. Only data associated with the diagnosis indicated will be deleted; any other previously reported diagnoses for the patient will be unaffected.
- To correct a previously reported diagnosis code for a patient, follow the instructions in the previous bullet to delete the incorrect diagnosis and its associated staging and clinical data. In another row of the tool, enter the correct diagnosis code and associated staging and clinical data for the patient.
- If practices do not wish to delete previously reported staging and clinical data, select 'N' for the 'Delete\_Ind', or leave the field blank.
- Do not use the 'Delete\_Ind' to delete patients that have been reported but were not attributed to your practice. You do not need to take any action on these patients, as they may be attributed to your practice in a future performance period.

Practices may only delete ICD-10 diagnosis codes on the Staging Information Page for attributed patients if there is more than one ICD-10 diagnosis code reported for that patient. The Add Cancer Diagnosis icon will be displayed on the Staging Information Page, Patient Grid, and on the left navigation screen of the Patient Edit Page if there was only one ICD-10 diagnosis code associated with an attributed cancer bundle and the practice deleted it. Practices will need to edit or upload the patient's staging information to add the attributed cancer bundle's diagnosis and required staging and clinical data.

### 2.1.6.5 Current Clinical Status Reporting

For diagnoses that require the reporting of 'Current\_Clinical\_Status', the 'Clinical\_Status\_Delete\_Ind' field is optional. In the OCMR Staging Abstraction Tool\_PP8\_v3.0, this field will be shaded blue since it is optional. This indicator can be used to delete a previously reported 'Current\_Clinical\_Status' value if it was reported in error.

- If reporting a 'Current\_Clinical\_Status' for the first time for a patient and diagnosis, select 'N' for the 'Clinical\_Status\_Delete\_Ind', or leave the indicator field blank.
- If a 'Current\_Clinical\_Status' has already been reported for a patient and diagnosis, and practices wish to report an additional 'Current\_Clinical\_Status', enter the 'HICN' and/or 'MBI', 'Initial\_Diagnosis\_Date', 'ICD-10\_Cancer\_Diagnosis\_Code', 'Current\_Clinical\_Status', and 'Current\_Clinical\_Status\_Date'. Select 'N' for the 'Clinical\_Status\_Delete\_Ind' or leave the field blank. The remaining staging and clinical data fields may be left blank. Upon upload, the additional 'Current\_Clinical\_Status' will be added; any previously reported 'Current\_Clinical\_Status' values for the patient and diagnosis will be unaffected.
- To delete a previously reported 'Current\_Clinical\_Status' enter the 'HICN' and/or 'MBI', 'Initial\_Diagnosis\_Date', 'ICD-10\_Cancer\_Diagnosis\_Code', 'Current\_Clinical\_Status', and 'Current\_Clinical\_Status\_Date'. Select 'Y' for the 'Clinical\_Status\_Delete\_Ind'. The values entered for these fields must be an exact match to the previously reported values for the 'Current\_Clinical\_Status' to be deleted. Upon upload, the specified 'Current\_Clinical\_Status' will be deleted; any other previously reported 'Current\_Clinical\_Status' values for the patient and diagnosis will be unaffected.
- To modify a previously reported 'Current\_Clinical\_Status' or 'Current\_Clinical\_Status\_Date', follow the above instructions to delete the 'Current\_Clinical\_Status' that requires correction, then in another row in the tool, record the corrected 'Current\_Clinical\_Status'.

### 2.1.7 Updating Staging and Clinical Data to Current Clinical Reporting Requirements

The OCM Data Registry is updated for each performance period to support reporting the staging and clinical data as required by the OCM Staging and Clinical Data Specifications for that performance period. Existing patients in the Data Registry, who were entered prior to the Data Registry being updated to the clinical reporting requirements for the current performance period, may be updated to the current clinical reporting requirements automatically or through manual update/file upload.

For detailed instructions on how to update staging and clinical data to current clinical reporting requirements, please visit the OCM Data Registry User Manual\_v12.0, section 4.2.2.5 located on OCM Connect.

### 2.1.8 Staging Data Gap Export Report Overview

This report is designed to allow practices to export all staging data currently in the Data Registry for every patient with incomplete staging data to upload missing data where appropriate. The 'Staging Data Gap Export Report' will display a data gap for any required data elements that were not reported. The Staging Data Gap Export Report includes all patients with incomplete staging data regardless of the filter on the Patient List at the time the report is requested. If the patient also has incomplete Patient Information, that will be displayed in the Staging Data Gap Export Report as well.

**Note:** Cancer bundles with only optional data gaps for all reported cancer diagnoses in that bundle will not be included in the Staging Data Gap Export report.

For this file to be uploaded, the tab name should be 'Staging'. If it is not 'Staging', the tab should be renamed. Detailed information on the Staging Data Gap Export Report can be found in the OCM Data Registry User Manual\_v12, located on OCM Connect.



Patient records that exist in the Data Registry with a HICN cannot be transitioned to an MBI using the Staging Data Gap Export Report. See the OCM Data Registry User Manual for instructions on manually transitioning a patient in the Data Registry from HICN to MBI.

### 2.1.9 Populating the Staging Data Gap Export Report

The Staging Data Gap Export Report is available in the Data Registry on the Staging tab and will display “DATA GAP” for any required data elements that were not reported for each ICD-10 code/Initial Diagnosis Date. The report will also display “OPTIONAL DATA GAP” for any missing optional data elements for a patient entry. Once this report has been downloaded, practices may update any fields identified as having a data gap with valid staging and clinical data values as identified in the OCM Staging and Clinical Data Specifications document which can be found on OCM Connect. After updating the data gaps with valid values, practices can upload the updated Staging Data Gap Export Report file for patients that were ‘staging incomplete’ to complete any required data elements for the reported ICD-10 code/Initial Diagnosis Date. Refer to Section [2.3](#) for the field validations applicable to this report.

### 2.1.10 Populating the MBI Transition Upload Template

The MBI Transition Upload Template is the upload option for practices that obtain the MBI for a patient who has previously been entered in the Data Registry with a HICN. The template allows practices to upload data to transition the patient identifier from HICN to MBI. The template supports the upload of text values.

The following are general instructions for populating data in the MBI Transition Upload Template:

- Download the MBI Transition Upload Template (data template). Copy HICNs and MBIs into the ‘MBI Transition Upload Template’ by using the ‘Paste Special’ function to ensure the HICN/MBI values copy correctly. After copying the HICN/MBI values, paste the copied data into the HICN and MBI columns in the ‘MBI Transition Upload Template’ using Paste Special:
- Right-click \ Select Paste Special \ Select the Values radio button \ Select OK
- For detailed instructions on how to update Data Registry patients from HICN to MBI, please visit the OCM Data Registry User Manual Section 4.2.2.2 located on OCM Connect.

### 2.1.11 File Upload

In the OCM Data Registry, it is recommended to upload the Patient Upload File before the Staging Abstraction Tool/Staging Upload Template. If practices upload the Patient Upload File after the Staging Abstraction Tool/Staging Upload Template, they will need the update indicator (UPDATE\_IND) to include ‘Y’ for each patient that had staging data uploaded first.

**Note:** *If the patient has been previously added to the Data Registry by the practice, or when the attribution data was loaded, the Patient Upload File does not need to be uploaded again, unless the patient information needs to be updated. Uploading the patient again will result in a warning message.*

For detailed instructions on the file upload process, review the OCM Data Registry User Manual available on OCM Connect.

## 2.2 Data Validation

The Data Registry will validate the uploaded file(s), as explained in the following sections. If there are errors and/or warnings on the uploaded file(s), an error log will be provided.

### 2.2.1 OCMR Patient Upload File\_v1.1 Field Validations

This section lists the validations to be provided on the fields in the OCMR Patient Upload File\_v1.1, as provided in the OCMR Upload Definition File v6\_20201201.



## 2.2.2 Transaction\_ID

- Data required
- Column required in upload document
- Text field
- Minimum length – 1 character, Maximum length – 100 characters
- Must be unique to the file, per row
- May be numeric or alphanumeric value to distinguish the individual record

**Note:** *Transaction\_ID is created by the practice, and is not a predetermined, existing number. Transaction\_ID can be any number as long as it meets the criteria above.*

## 2.2.3 Delete\_Ind

- Column required in upload document
- Text field
- Minimum length – 1 character, Maximum length – 1 character
- Format: Y or N
- Identifies that the record is to be deleted.

**Note:** *Deleting a patient will delete all staging and clinical data associated with the patient.*

- Rules:
  - If left blank, will be treated as a N
  - Cannot have a Y for both Delete Ind and Update Ind
  - Cannot delete a patient that has ever been attributed for a performance period

## 2.2.4 MBI

- Column required in upload document
- Text field
- Minimum length – 11 characters, Maximum length – 11 characters
- Medicare Beneficiary Identifier (MBI)
- This is a patient identifier of record for the Data Registry

**Note:** *Only the MBI or HICN is required, not both.*

## 2.2.5 HICN

- Data required
- Column required in upload document
- Text field
- Minimum length – 6 character, Maximum length – 12 characters
- Health Insurance Claim Number (HICN)
- This is a patient identifier of record for the Data Registry

## **2.2.6 Patient\_First\_Name**

- Data required
- Column required in upload document
- Text field
- Minimum length – 1 character, Maximum length – 100 characters

## **2.2.7 Patient\_Last\_Name**

- Data required
- Column required in upload document
- Text field
- Minimum length – 1 character, Maximum length – 100 characters

## **2.2.8 Patient\_DOB**

- Data required
- Column required in upload document
- Date field
- Minimum length – 10 characters, Maximum length – 20 characters
- Format: M/D/YYYY, M/D/YY, MM/DD/YYYY, MM/DD/YY, MM/DD/YYYY HH:MM PM, MM/DD/YY HH:MM, etc. (must include // in dates)
- Rules:
  - Cannot be a future date
  - Must be a valid date
  - European date format not accepted
  - Text dates such as March 13, 2015 are not accepted
  - If time provided, it will be ignored

## **2.2.9 Patient\_Gender**

- Data required
- Column required in upload document
- Text field
- Minimum length – 1 character, Maximum length – 1 character
- Format: M, F, or U

## **2.2.10 Practice\_TIN**

- Column required in upload document
- Text field
- Minimum length – 9 characters, Maximum length – 9 characters

## 2.2.11 Update\_Ind

- Column required in upload document
- Text field
- Minimum length – 1 character, Maximum length – 1 character
- Format: Y or N
- Rules:
  - If left blank, will be treated as a N
  - Cannot have a Y for both Delete Ind and Update Ind

## 2.2.12 OCM\_ID

- Column required in upload document
- Text field
- Minimum length – 0 character, Maximum length – 9 characters

## 2.2.13 Patient\_ID

- Column required in upload document
- Text field
- Minimum length – 1 character, Maximum length – 100 characters

**Note:** *Patient\_ID is created by the practice, and is not a predetermined, existing number. Patient\_ID can be any alphanumeric combination as long as it meets the criteria above.*

## 2.3 OCMR Staging Abstraction Tool\_PP8\_v3.0, OCMR Staging Upload Template\_PP8\_v3.0 File, and Staging Data Gap Export Report Field Validations

### 2.3.1 Delete\_Ind

- Column required in upload document
- Text field
- Minimum length – 0 character, Maximum length – 1 character
- Format: Y or N
- Identifies that entire cancer diagnosis record is to be deleted.
- Rules:
  - If left blank, will be treated as a N

### 2.3.2 HICN

- Column required in upload document
- Text field
- Minimum length – 6 characters, Maximum length – 12 characters

- Health Insurance Claim Number (HICN)
- This is a patient identifier of record for the Data Registry, all records are keyed off the HICN or MBI

**Note:** Only the MBI or HICN is required, not both.

### 2.3.3 MBI

- Column required in upload document
- Text field
- Minimum length – 11 characters, Maximum length – 11 characters
- Medicare Beneficiary Identifier (MBI)
- This is a patient identifier of record for the Data Registry, all records are keyed off the HICN or MBI

**Note:** Only the MBI or HICN is required, not both.

### 2.3.4 Patient\_First\_Name

- Will be ignored on uploads, do not take values
- Column required in upload document
- Text field
- Minimum length – 0 character, Maximum length – 100 characters

### 2.3.5 Patient\_Last\_Name

- Will be ignored on uploads, do not take values
- Column required in upload document
- Text field
- Minimum length – 0 character, Maximum length – 100 characters

### 2.3.6 Initial\_Diagnosis\_Date

- Data required
- Column required in upload document
- Date field
- Minimum length – 10 characters, Maximum length – 20 characters
- Format: M/D/YYYY, M/D/YY, MM/DD/YYYY, MM/DD/YY, MM/DD/YYYY HH:MM PM, MM/DD/YY HH:MM, etc. (must include // in dates)
- Rules:
  - Cannot be a future date
  - Must be a valid date
  - European date format not accepted
  - Text dates such as March 13, 2015 are not accepted

- If time provided, it will be ignored

### **2.3.7 ICD-10\_Cancer\_Diagnosis\_Code**

- Data required
- Column required in upload document
- Text field
- Minimum length – 1 character, Maximum length – 100 characters
- Must be a valid ICD-10 code specified for the registry

### **2.3.8 Descriptor**

- Column required in upload document
- Text Field
- For reference only, displays descriptor associated with ICD-10-CM code.
- Minimum length – 0 character, Maximum length – 250 characters

### **2.3.9 OCM\_Cancer\_Bundle**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters

### **2.3.10 Clinical\_Status\_Delete\_Ind**

- Column required in upload document
- Text field
- Minimum length – 0 character, Maximum length – 1 character
- Format: Y or N
- Identifies that a previously reported Clinical\_Status is to be deleted.
- Rules:
  - If left blank, will be treated as a N

### **2.3.11 Current\_Clinical\_Status**

- Column required in upload document
- Text Field
- Minimum length – 0, Maximum length – 250
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - Initial Diagnosis
  - No Evidence of Disease/Remission
  - Responding

- Stable Disease
- Progressive Disease
- Metastasis
- Local or Regional Recurrence/Relapse
- Deceased

### 2.3.12 Current\_Clinical\_Status\_Date

- Column required in upload document
- Date field
- Minimum length – 10 characters, Maximum length – 20 characters
- Format: M/D/YYYY, M/D/YY, MM/DD/YYYY, MM/DD/YY, MM/DD/YYYY HH:MM PM, MM/DD/YY HH:MM, etc. (must include // in dates)
- Rules:
  - Cannot be a future date
  - Must be a valid date
  - European date format not accepted
  - Text dates such as March 13, 2015 are not accepted
  - If time provided, it will be ignored

### 2.3.13 AJCC\_Edition

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 3 characters
- Value dependent on Initial Diagnosis Date
- Accepted strings (not case sensitive):
  - 7th
  - 8th

### 2.3.14 Primary\_Tumor

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must match strings or SNOMEDCT codes by AJCC Edition
- Must be defined for the ICD-10 code

### 2.3.15 Nodal\_Disease

- Column required in upload document
- Text Field

- Minimum length – 0 character, Maximum length – 250 characters
- Must match strings or SNOMEDCT codes by AJCC Edition
- Must be defined for the ICD-10 code

### **2.3.16 Metastasis**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must match strings or SNOMEDCT codes by AJCC Edition
- Must be defined for the ICD-10 code

### **2.3.17 Revised\_ISS\_Stage\_Optional**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - Stage I
  - Stage II
  - Stage III
  - None Selected

### **2.3.18 Tumor\_Type\_Optional**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- May be provided as applicable SNOMEDCT codes or accepted strings (not case sensitive):
  - Astrocytoma
  - Ependymoma
  - Oligodendroglioma
  - Embryonal tumors
  - CNS lymphoma
  - Germ cell tumors
  - Other
  - None Selected

### 2.3.19 Tumor\_Grade\_Optional

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - I
  - II
  - III
  - IV
  - None Selected

### 2.3.20 Resection\_Optional

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - Biopsy
  - Partial Resection
  - Gross Total Resection
  - None Selected

### 2.3.21 Clinical\_Stage\_Optional

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - IA
  - IB
  - IEA
  - IEB
  - IIA
  - IIB
  - IIEA
  - IIEB



- ☐ IIIA
- ☐ IIIB
- ☐ IVA
- ☐ IVB
- ☐ I
- ☐ IE
- ☐ II
- ☐ IIE
- ☐ III
- ☐ IV
- ☐ Local Extension or SNOMEDCT code
- ☐ Distant CNS Spread or SNOMEDCT code
- ☐ Extra-Neural Spread or SNOMEDCT code
- ☐ None Selected

### **2.3.22 EGFR\_Activating\_Mutation\_Optional**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - ☐ None Selected
  - ☐ Positive or POS
  - ☐ Negative or NEG
  - ☐ Not Tested

### **2.3.23 ALK\_Gene\_Mutation\_Optional**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - ☐ None Selected
  - ☐ Positive or POS
  - ☐ Negative or NEG
  - ☐ Not Tested

### **2.3.24 ROS1\_Gene\_Mutation\_Optional**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - None Selected
  - Positive or POS
  - Negative or NEG
  - Not Tested

### **2.3.25 Estrogen\_Receptor**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - Positive or POS
  - Negative or NEG
  - Not Tested
  - None Selected

### **2.3.26 Progesterone\_Receptor**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must match strings or codes
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - Positive or POS
  - Negative or NEG
  - Not Tested
  - None Selected

### **2.3.27 HER2\_Amplification**

- Column required in upload document

- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - Positive or POS
  - Negative or NEG
  - Equivocal or EQU
  - Not Tested
  - None Selected

### **2.3.28 KRAS\_Mutation\_Optional**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - None Selected
  - Positive or POS
  - Negative or NEG
  - Not Tested

### **2.3.29 NRAS\_Mutation\_Optional**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - None Selected
  - Positive or POS
  - Negative or NEG
  - Not Tested

### **2.3.30 BRAF\_Mutation\_Optional**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code

- Accepted strings (not case sensitive):
  - None Selected
  - Positive or POS
  - Negative or NEG
  - Not Tested

### **2.3.31 Histology**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must match strings or codes
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - None Selected
  - Adenocarcinoma
  - Inflammatory
  - Small Cell Lung Cancer
  - Other
  - NSCLC – Squamous Cell
  - NSCLC – Adenocarcinoma
  - NSCLC – Large Cell
  - Squamous cell carcinoma

### **2.3.32 Prognostic\_Multi-Gene\_Assay\_Performed\_Optional**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - Yes
  - No

### **2.3.33 MammaPrint\_Result\_Optional**

- Column required in upload document
- Numeric Field
- Minimum length – 0 character, Maximum length – 250 characters
- Decimals accepted to the thousandths

- Negative values accepted
- Accepted values -1.000 through 1.000
- Must be defined for the ICD-10 code

### **2.3.34 Oncotype\_Dx\_Result\_Optional**

- Column required in upload document
- Numeric Field
- Minimum length – 0 character, Maximum length – 250 characters
- Decimals accepted
- Accepted values – 0 through 100
- Must be defined for the ICD-10 code

### **2.3.35 Prosigna\_Result\_Optional**

- Column required in upload document
- Numeric Field
- Minimum length – 0 character, Maximum length – 250 characters
- Decimals accepted
- Accepted values -0 through 100
- Must be defined for the ICD-10 code

### **2.3.36 BRCA1\_Result\_Optional**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - None Selected
  - Positive or POS
  - Negative or NEG
  - Not Tested

### **2.3.37 BRCA2\_Result\_Optional**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):

- None Selected
- Positive or POS
- Negative or NEG
- Not Tested

### **2.3.38 IDH2\_Result\_Optional**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - None Selected
  - Positive or POS
  - Negative or NEG
  - Not Tested

### **2.3.39 FLT3\_Result\_Optional**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - None Selected
  - Low Risk
  - High Risk
  - Not Tested

### **2.3.40 dMMR\_Result\_Optional**

- Column required in upload document
- Text Field
- Minimum length – 0 character, Maximum length – 250 characters
- Must be defined for the ICD-10 code
- Accepted strings (not case sensitive):
  - None Selected
  - Positive (Expressed) or POS
  - Negative (Absent) or NEG
  - Not Tested

## 2.4 MBI Transition Upload Template

This section lists the validations to be provided on the fields in the MBI Transition Upload Template, as provided in the MBI Template Upload Definition File.

### 2.4.1 HICN

- Data Required- Yes
- Column Required- Yes
- Type- Text
- Minimum Length- 6
- Maximum Length- 12
- Description- Health Insurance Claim Number (HICN)
- Format Value- N/A
- Example- ABC123

### 2.4.2 MBI

- Data Required- Yes
- Column Required- Yes
- Type- Text
- Minimum Length- 11
- Maximum Length- 11
- Description- Medicare Beneficiary Identifier (MBI). Formatting rules can be found in ['Understanding the Medicare Beneficiary Identifier \(MBI\) Format'](#).
- Format Value- #A##AA#AA##
- Example- 1A00A00AA00

### 3. Error Logs

The error log will provide errors and/or warnings for the uploaded data. Use the error log to identify the records in the uploaded file that need to be corrected. Then re-upload the file into the Data Registry.

#### 3.1 OCMR Patient Upload File\_v1.1 Error Log

The error log will be a .txt file that will list the errors and/or warnings from the file.

##### 3.1.1 Transaction\_ID Errors

Validation	Error Message
Transaction ID missing	The Transaction ID was not provided. Record was not loaded.
Transaction ID column missing	The Transaction ID column is missing. No data was loaded.
Transaction ID greater than 100 characters	The Transaction ID exceeds the max length. Record was not loaded.

##### 3.1.2 Delete\_Ind Errors

Validation	Error Message
Delete Ind column missing	The Delete Ind column is missing. No data was loaded.
Delete Ind greater than 1 character	The Delete Ind exceeds the max length. Record was not loaded.
Delete Ind invalid	The Delete Ind is not a valid value. Only Y   N is allowed. Record was not loaded.
Delete Ind and Update Ind set to Y	Delete Ind column and Update Ind column were both set as Y. No action taken.
Delete Ind set to Y for an attributed patient	Changes not saved. Patient has not been deleted. This patient has been attributed to at least one Performance Period and cannot be deleted.

##### 3.1.3 HICN Errors

Validation	Error Message
HICN only alphabetic and numeric values.	The HICN value is not valid. Only alphabetical, numerical, a curly bracket (right '}' or left '{') values are accepted. Record was not loaded.
HICN column missing	The HICN column is missing. No data was loaded.
HICN less than 6 characters	The HICN is less than the minimum length. Record was not loaded.
HICN greater than 12 characters	The HICN exceeds the max length. Record was not loaded.
HICN value missing	Changes not saved. Please enter a value for MBI or HICN and try again.

##### 3.1.4 MBI Errors

Validation	Error Message
MBI column missing	The MBI column is missing. No data was loaded.
MBI less than 11 characters	The MBI is less than the minimum length. Record was not loaded.
MBI greater than 11 characters	The MBI exceeds the max length. Record was not loaded.
MBI does not conform to standards.	The MBI is not a valid value. MBI does not conform to the standards. Record was not loaded.
MBI value missing	Changes not saved. Please enter a value for MBI or HICN and try again.



**3.1.5 Patient\_First\_Name Errors**

Validation	Error Message
Patient First Name missing	The Patient First Name was not provided. Record was not loaded.
Patient First Name column missing	The Patient First Name column is missing. No data was loaded.
Patient First Name greater than 100 characters	The Patient First Name exceeds the max length. Record was not loaded.

**3.1.6 Patient\_Last\_Name Errors**

Validation	Error Message
Patient Last Name missing	The Patient Last Name was not provided. Record was not loaded.
Patient Last Name column missing	The Patient Last Name column is missing. No data was loaded.
Patient Last Name greater than 100 characters	The Patient Last Name exceeds the max length. Record was not loaded.

**3.1.7 Patient\_DOB Errors**

Validation	Error Message
Patient DOB missing or incomplete	The Patient DOB was not provided. Record was not loaded.
Patient DOB column missing	The Patient DOB column is missing. No data was loaded.
Patient DOB invalid date	The Patient DOB was not a valid date. Record was not loaded.
Patient DOB future date	The Patient DOB was greater than the current date. Record was not loaded.
Patient DOB is before 01/01/1898	The Patient DOB is before 01/01/1898. Record was not loaded.

**3.1.8 Patient\_Gender Errors**

Validation	Error Message
Patient Gender missing	The Patient Gender was not provided. Record was not loaded.
Patient Gender column missing	The Patient Gender column is missing. No data was loaded.
Patient Gender greater than 1 character	The Patient Gender is not a valid value. Only M   F   U is allowed. Record was not loaded.
Patient Gender invalid	The Patient Gender is not a valid value. Only M   F   U is allowed. Record was not loaded.

**3.1.9 Practice\_TIN Errors**

Validation	Error Message
Practice TIN Column Missing	The Practice TIN column is missing. No data was loaded.
Practice TIN Invalid	The Practice TIN is invalid.
Practice TIN less than 9 characters	The Practice TIN is less than the minimum length.
Practice TIN greater than 9 characters	The Practice TIN exceeds the max length.

**3.1.10 Update\_Ind Errors**

Validation	Error Message
Update Ind column missing	The Update Ind column is missing. No data was loaded.
Update Ind greater than 1 character	The Update Ind exceeds the max length. Record was not loaded.
Update Ind invalid	The Update Ind is not a valid value. Only Y   N is allowed. Record was not loaded.

Validation	Error Message
Delete Ind and Update Ind set to Y	Delete Ind column and Update Ind column were both set as Y. No action taken.
Patient exists in the registry with a HICN record and an MBI record. Patient file is uploaded with HICN record only, Update Ind set to Y, Delete Ind set to N	Changes not saved. This Patient has also been added with an MBI. Update cannot be made to this Patient. Please remove the duplicate Patient.
Patient exists in the registry with a HICN record and an MBI record. Patient file is uploaded with MBI record only, Update Ind set to Y, Delete Ind set to N	Changes not saved. This Patient has also been added with a HICN. Update cannot be made to this Patient. Please remove the duplicate Patient.
Patient exists in the registry with a HICN record. Patient file is uploaded with MBI, Update Ind is N, Delete Ind set to N	Changes not saved. This Patient has also been added with a HICN. Please remove the duplicate Patient.
Patient exists in the registry with a MBI record. Patient file is uploaded with HICN, Update Ind is N, Delete Ind set to N	Changes not saved. This Patient has also been added with an MBI. Please remove the duplicate Patient.

### 3.1.11 OCM\_ID Errors

Validation	Error Message
OCM ID column missing	The OCM ID column is missing. No data was loaded.
OCM ID invalid	The OCM ID is invalid.

### 3.1.12 Patient\_ID Errors

Validation	Error Message
Patient ID column missing	The Patient ID column is missing. No data was loaded.
Patient ID invalid	The Patient ID is not a valid value. Record was not loaded.
Patient ID greater than 100 characters	The Patient ID exceeds the max length. Record was not loaded.

### 3.1.13 Miscellaneous Warnings

Validation	Error Message
The update indicator says yes for a HICN and/or MBI that is not in the registry.	Changes not saved. This Patient does not exist and cannot be updated.
The delete indicator says yes for a HICN and/or MBI that is not in the registry.	Changes not saved. This Patient does not exist and cannot be deleted.
A HICN and/or MBI is in the patient file that is already in the registry and the delete indicator or update indicator are null or no.	Changes not saved. Patient has already been added. No action taken.

## 3.2 File Warnings

In addition to the errors in the error log, warnings will also be communicated. Example warnings are:

- Patient has already been added. No action taken.

- This patient does not exist. Patient could not be deleted.
- OCM ID is less than the minimum length.
- OCM ID exceeds the max length.
- TIN is less than the minimum length.
- TIN exceeds the max length.
- The TIN value not in a numerical format.

### 3.2.1 Sample Error and Validation Logs

A sample error log might look like Figures 8, 9, or 10.

Figure 8: Sample Error Log with Errors

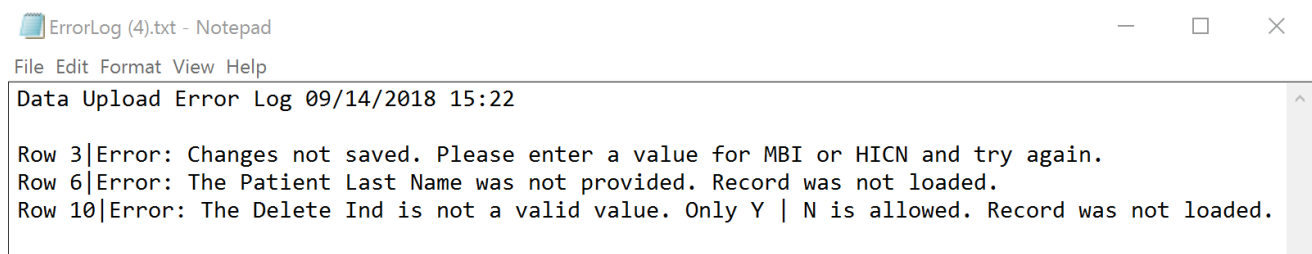


Figure 9: Sample Error Log with Warnings

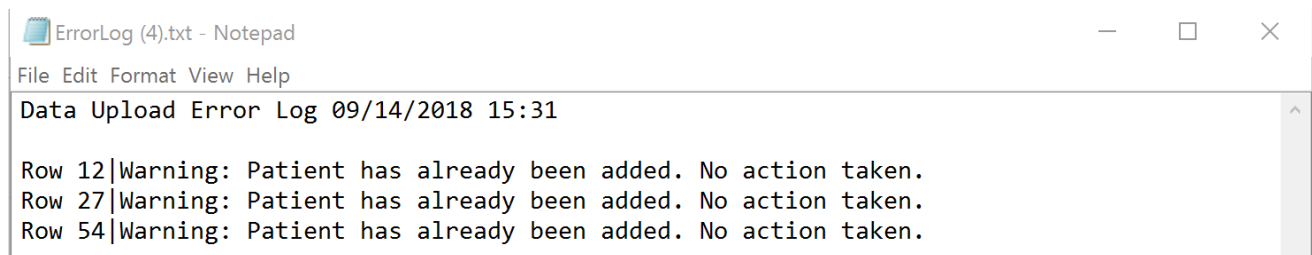
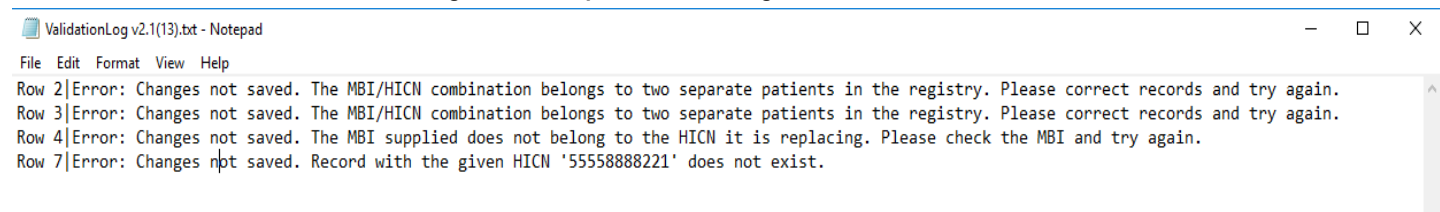


Figure 10: Sample Validation Log with Errors



## 3.3 OCMR Staging Abstraction Tool\_PP8\_v3.0, OCMR Staging Upload Template\_PP8\_v3.0, and Staging Data Gap Export Report File Error Log

The error log will be a .txt file that will list the errors and/or warnings from the file.

### 3.3.1 Delete\_Ind Errors

Validation	Error Message/Warning	Type
The Delete Indicator column is missing	Changes not saved. Please add Delete_Ind column to the file and try again.	Error

Validation	Error Message/Warning	Type
Delete Indicator is invalid	Changes not saved. Delete_Ind is not a valid value. Only letters 'Y' or 'N' are allowed. Please edit Delete_Ind and try again.	Error
Delete Indicator for a diagnosis that is not in the registry.	Changes not saved. This diagnosis does not exist for this patient in the registry and cannot be deleted.	Error

### 3.3.2 HICN Errors

Validation	Error Message/Warning	Type
HICN missing	Changes not saved. Please enter a value for MBI or HICN and try again.	Error
HICN column missing	Changes not saved. Please add HICN column to the file and try again.	Error
HICN less than 6 characters	Changes not saved. HICN is less than the minimum length of 6 characters. Please edit HICN and try again.	Error
HICN greater than 12 characters	Changes not saved. HICN exceeds the maximum length of 12 characters. Please edit HICN and try again.	Error
HICN only alphabetic and numeric values.	Changes not saved. The HICN value is not valid. Only alphabetical, numerical, a curly bracket (right '}' or left '{') values are accepted. Please edit HICN and try again.	Error
HICN/MBI combination does not match	Changes not saved. The MBI/HICN combination belongs to two separate patients in the registry. Please correct records and try again.	Error
Patient is already in the registry with a MBI.	Changes not saved. This Patient has already been added with an MBI. Please update the patient identifier to MBI in the file and try again.	Error

### 3.3.3 MBI Errors

Validation	Error Message/Warning	Type
MBI missing	Changes not saved. Please enter a value for MBI or HICN and try again.	Error
MBI column missing	Changes not saved. Please add MBI column to the file and try again.	Error
MBI less than 11 characters	Changes not saved. The MBI value is not valid. MBI does not conform to the standards. Please edit MBI and try again.	Error
MBI greater than 11 characters	Changes not saved. The MBI value is not valid. MBI does not conform to the standards. Please edit MBI and try again.	Error
MBI does not conform to standard	Changes not saved. The MBI value is not valid. MBI does not conform to the standards. Please edit MBI and try again.	Error
HICN/MBI combination does not match	Changes not saved. The MBI/HICN combination belongs to two separate patients in the registry. Please correct records and try again.	Error
Patient is already in the registry with a HICN.	Changes not saved. This Patient has already been added with an HICN. Please update the patient identifier to HICN in the file and try again.	Error

### 3.3.4 Patient\_First\_Name Errors

Validation	Error Message/Warning	Type
Patient First Name column missing	Changes not saved. Please add Patient_First_Name column to the file and try again.	Error

### 3.3.5 Patient\_Last\_Name Errors

Validation	Error Message/Warning	Type
Patient Last Name column missing	Changes not saved. Please add Patient_Last_Name column to the file and try again.	Error

### 3.3.6 Initial\_Diagnosis\_Date Errors

Validation	Error Message/Warning	Type
Initial Diagnosis Date missing	Changes not saved. The Initial_Diagnosis_Date is required. Please edit Initial_Diagnosis_Date and try again.	Error
Initial Diagnosis Date column missing	Changes not saved. Please add Initial_Diagnosis_Date column to the file and try again.	Error
Initial Diagnosis Date invalid date	Changes not saved. The Initial_Diagnosis_Date is not a valid date. Please edit Initial_Diagnosis_Date and try again.	Error
Initial Diagnosis Date future date	Changes not saved. The Initial_Diagnosis_Date is greater than the current date. Please edit Initial_Diagnosis_Date and try again.	Error

### 3.3.7 ICD-10\_Cancer\_Diagnosis\_Code Errors

Validation	Error Message/Warning	Type
ICD-10 Cancer Diagnosis Code missing	Changes not saved. The ICD-10_Cancer_Diagnosis_Code is required. Please edit ICD-10_Cancer_Diagnosis_Code and try again.	Error
ICD-10 Cancer Diagnosis Code column missing	Changes not saved. Please add ICD-10_Cancer_Diagnosis_Code column to the file and try again.	Error
ICD-10 Cancer Diagnosis Code invalid	Changes not saved. The ICD-10_Cancer_Diagnosis_Code is not a valid diagnosis code for the OCM program. Please add an ICD-10_Cancer_Diagnosis_Code from the current version of the OCM Staging and Clinical Data Specifications and try again.	Error

### 3.3.8 Descriptor Errors

Validation	Error Message/Warning	Type
Descriptor column missing	Changes not saved. Please add Descriptor column to the file and try again.	Error

### 3.3.9 OCM\_Cancer\_Bundle Errors

Validation	Error Message/Warning	Type
OCM Cancer Bundle column missing	Changes not saved. Please add OCM_Cancer_Bundle column to the file and try again.	Error

### 3.3.10 Clinical\_Status\_Delete\_Ind Errors

Validation	Error Message/Warning	Type
Clinical Status Delete indicator column is missing	Changes not saved. Please add Clinical_Status_Delete_Ind column to the file and try again.	Error
The clinical status delete indicator says yes for a diagnosis that is not in the registry	This current clinical status does not exist for this patient in the registry and cannot be deleted.	Warning

Validation	Error Message/Warning	Type
The clinical status delete indicator says yes for a clinical status that is not in the registry.	This current clinical status does not exist for this patient in the registry and cannot be deleted.	Warning
Clinical status delete Indicator is invalid	Changes not saved. Clinical_Status_Delete_Ind is not a valid value. Only letters 'Y' or 'N' are allowed. Please edit Clinical_Status_Delete_Ind and try again.	Error
Yes for Clinical Status Delete Ind, when current clinical status and/or clinical status date are not provided	The Current_Clinical_Status and Current_Clinical_Status_Date were not provided. The Current_Clinical_Status cannot be deleted.	Warning

### 3.3.11 Current\_Clinical\_Status Errors

Validation	Error Message/Warning	Type
Current Clinical Status column missing	Changes not saved. Please add Current_Clinical_Status column to the file and try again.	Error
Current Clinical Status date not provided with the Current Clinical Status	The Current_Clinical_Status_Date was not provided with the Current_Clinical_Status. Please add a Current_Clinical_Status_Date to the Current_Clinical_Status in the file and try again.	Error
Current Clinical Status does not match strings	The Current_Clinical_Status does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a Current_Clinical_Status (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Warning
Current Clinical Status is not defined for the ICD-10 Code	The Current_Clinical_Status is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.12 Current\_Clinical\_Status\_Date Errors

Validation	Error Message/Warning	Type
Current Clinical Status Date column missing	Changes not saved. Please add Current_Clinical_Status_Date column to the file and try again.	Error
Current Clinical Status not provided with the Current Clinical Status date	Changes not saved. The Current_Clinical_Status was not provided with the Current_Clinical_Status_Date. Please add a Current_Clinical_Status to the Current_Clinical_Status_Date in the file and try again.	Error
Current Clinical Status Date invalid date	Changes not saved. The Current_Clinical_Status_Date is not a valid date. Please edit Current_Clinical_Status_Date and try again.	Error
Current Clinical Status Date future date	Changes not saved. The Current_Clinical_Status_Date is greater than the current date. Please edit Current_Clinical_Status_Date and try again.	Error
Current Clinical Status Date before Initial Diagnosis date	Changes not saved. The Current_Clinical_Status_Date is before the Initial_Diagnosis_Date. Please correct the Current_Clinical_Status_Date and try again.	Error

Validation	Error Message/Warning	Type
More than one Current Clinical Status provided with the same Current Clinical Status Date	Patient cannot have more than one clinical status on the same date.	Warning
Current Clinical Status with dates after the Deceased Clinical Status date	Changes not saved. This cancer diagnosis has clinical status(es) with the date(s) following the Deceased clinical status.	Error
Uploading a Deceased Current Clinical Status with a different Current Clinical Status Date, when a Deceased CCS already exists	Changes not saved. Deceased clinical status reported with more than one Current_Clinical_Status_Date. Please review the patient record to determine the correct Current_Clinical_Status_Date to be reported for the Deceased clinical status	Error
Uploading multiple Deceased Current Clinical Statuses in the same upload file	Changes not saved. Multiple Deceased clinical statuses have been provided. Please review the patient record to determine the correct Current_Clinical_Status_Date to be reported for the Deceased clinical status	Error

### 3.3.13 AJCC\_Edition Errors

Validation	Error Message/Warning	Type
AJCC Edition column missing	Changes not saved. Please add AJCC_Edition column to the file and try again.	Error
AJCC Edition not provided, when required based on the ICD-10 code	Changes not saved. The AJCC_Edition is required. Please edit AJCC_Edition and try again.	Error
AJCC Edition is not valid	Changes not saved. The AJCC_Edition value is not valid. Accepted values are 7th and 8th. Please edit AJCC_Edition and try again.	Error
AJCC Edition greater than 3 characters	Changes not saved. AJCC_Edition exceeds the maximum length of 3 characters. Please edit AJCC_Edition and try again.	Error
8th edition not available	Changes not saved. Incorrect AJCC_Edition for the Initial_Diagnosis_Date provided. Please correct AJCC_Edition and try again.	Error

### 3.3.14 Primary\_Tumor Errors

Validation	Error Message/Warning	Type
Primary Tumor column missing	Changes not saved. Please add Primary_Tumor column to the file and try again.	Error
Primary Tumor does not match codes or strings	The Primary_Tumor does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a Primary_Tumor (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
Primary Tumor is not defined for the ICD-10 code	The Primary_Tumor is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

**3.3.15 Nodal\_Disease Errors**

Validation	Error Message/Warning	Type
Nodal Disease column missing	Changes not saved. Please add Nodal_Disease column to the file and try again.	Error
Nodal Disease does not match codes or strings	The Nodal_Disease does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a Nodal_Disease (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
Nodal Disease is not defined for the ICD-10 code	The Nodal_Disease is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

**3.3.16 Metastasis Errors**

Validation	Error Message/Warning	Type
Metastasis column missing	Changes not saved. Please add Metastasis column to the file and try again.	Error
Metastasis does not match codes or strings	The Metastasis does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a Metastasis (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
Metastasis is not defined for the ICD-10 code	The Metastasis is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

**3.3.17 Revised\_ISS\_Stage\_Optional Errors**

Validation	Error Message/Warning	Type
Revised ISS Stage Optional column missing	Changes not saved. Please add Revised_ISS_Stage_Optional column to the file and try again.	Error
Revised ISS Stage Optional does not match strings	The Revised_ISS_Stage_Optional does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a Revised_ISS_Stage_Optional (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
Revised ISS Stage Optional is not defined for the ICD-10 code	The Revised_ISS_Stage_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

**3.3.18 Tumor\_Type\_Optional Errors**

Validation	Error Message/Warning	Type
Tumor Type Optional column missing	Changes not saved. Please add Tumor_Type_Optional column to the file and try again.	Error



Validation	Error Message/Warning	Type
Tumor Type Optional does not match code or strings	The Tumor_Type_Optional does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a Tumor_Type_Optional (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
Tumor Type Optional is not defined for the ICD-10 code	The Tumor_Type_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.19 Tumor\_Grade\_Optional Errors

Validation	Error Message/Warning	Type
Tumor Grade Optional column missing	Changes not saved. Please add Tumor_Grade_Optional column to the file and try again.	Error
Tumor Grade Optional does not match strings	The Tumor_Grade_Optional does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a Tumor_Grade_Optional (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
Tumor Grade Optional is not defined for the ICD-10 code	The Tumor_Grade_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.20 Resection\_Optional Errors

Validation	Error Message/Warning	Type
Resection Optional column missing	Changes not saved. Please add Resection_Optional column to the file and try again.	Error
Resection Optional does not match strings	The Resection_Optional does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a Resection_Optional (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
Resection Optional is not defined for the ICD-10 code	The Resection_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.21 Clinical\_Stage\_Optional Errors

Validation	Error Message/Warning	Type
Clinical Stage Optional column missing	Changes not saved. Please add Clinical_Stage_Optional column to the file and try again.	Error
Clinical Stage Optional does not match strings	The Clinical_Stage_Optional does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a Clinical_Stage_Optional (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error

Validation	Error Message/Warning	Type
Clinical Stage Optional is not defined for the ICD-10 code	The Clinical_Stage_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.22 EGFR\_Activating\_Mutation\_Optional Errors

Validation	Error Message/Warning	Type
EGFR Activating Mutation Optional column missing	Changes not saved. Please add EGFR_Activating_Mutation_Optional column to the file and try again.	Error
EGFR Activating Mutation Optional does not match strings	The EGFR_Activating_Mutation_Optional does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add an EGFR_Activating_Mutation_Optional (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
EGFR Activating Mutation Optional is not defined for the ICD-10 code	The EGFR_Activating_Mutation_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.23 ALK\_Gene\_Mutation\_Optional Errors

Validation	Error Message/Warning	Type
ALK Gene Mutation Optional column missing	Changes not saved. Please add ALK_Gene_Mutation_Optional column to the file and try again.	Error
ALK Gene Mutation Optional does not match strings	The ALK_Gene_Mutation_Optional does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add an ALK_Gene_Mutation_Optional (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
ALK Gene Mutation Optional is not defined for the ICD-10 code	The ALK_Gene_Mutation_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.24 ROS1\_Gene\_Mutation\_Optional Errors

Validation	Error Message/Warning	Type
ROS1 Gene Mutation Optional column missing	Changes not saved. Please add ROS1_Gene_Mutation_Optional column to the file and try again.	Error
ROS1 Gene Mutation Optional does not match strings	The ROS1_Gene_Mutation_Optional does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a ROS1_Gene_Mutation_Optional (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error

Validation	Error Message/Warning	Type
ROS1 Gene Mutation Optional is not defined for the ICD-10 code	The ROS1_Gene_Mutation_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.25 Estrogen\_Receptor Errors

Validation	Error Message/Warning	Type
Estrogen Receptor column missing	Changes not saved. Please add Estrogen_Receptor column to the file and try again.	Error
Estrogen Receptor does not match codes or strings	The Estrogen_Receptor does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add an Estrogen_Receptor (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
Estrogen Receptor is not defined for the ICD-10 code	The Estrogen_Receptor is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.26 Progesterone\_Receptor Errors

Validation	Error Message/Warning	Type
Progesterone Receptor column missing	Changes not saved. Please add Progesterone_Receptor column to the file and try again.	Error
Progesterone Receptor does not match codes or strings.	The Progesterone_Receptor does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a Progesterone_Receptor (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
Progesterone Receptor is not defined for the ICD-10 code	The Progesterone_Receptor is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.27 HER2\_Amplification Errors

Validation	Error Message/Warning	Type
HER2 Amplification column missing	Changes not saved. Please add HER2_Amplification column to the file and try again.	Error
HER2 Amplification does not match codes or strings	The HER2_Amplification does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a HER2_Amplification (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
HER2 Amplification is not defined for the ICD-10 code	The HER2_Amplification is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.28 KRAS\_Mutation\_Optional Errors

Validation	Error Message/Warning	Type
KRAS Mutation Optional column missing	Changes not saved. Please add KRAS_Mutation_Optional column to the file and try again.	Error
KRAS Mutation Optional does not match strings	The KRAS_Mutation_Optional does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a KRAS_Mutation_Optional (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
KRAS Mutation Optional is not defined for the ICD-10 code	The KRAS_Mutation_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data	Warning

### 3.3.29 NRAS\_Mutation\_Optional Errors

Validation	Error Message/Warning	Type
NRAS Mutation Optional column missing	Changes not saved. Please add NRAS_Mutation_Optional column to the file and try again.	Error
NRAS Mutation Optional does not match strings	The NRAS_Mutation_Optional does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add an NRAS_Mutation_Optional (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
NRAS Mutation Optional is not defined for the ICD-10 code	The NRAS_Mutation_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.30 BRAF\_Mutation\_Optional Errors

Validation	Error Message/Warning	Type
BRAF Mutation Optional column missing	Changes not saved. Please add BRAF_Mutation_Optional column to the file and try again.	Error
BRAF Mutation Optional does not match strings	The BRAF_Mutation_Optional does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a BRAF_Mutation_Optional (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
BRAF Mutation Optional is not defined for the ICD-10 code	The BRAF_Mutation_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.31 Histology Errors

Validation	Error Message/Warning	Type
Histology column missing	Changes not saved. Please add Histology column to the file and try again.	Error

Validation	Error Message/Warning	Type
Histology does not match codes and strings	The Histology does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a Histology (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
Histology is not defined for the ICD-10 code	The Histology is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.32 Prognostic\_Multi-Gene\_Assay\_Performed\_Optional Errors

Validation	Error Message/Warning	Type
Prognostic Multi-Gene Assay Performed Optional column missing	Changes not saved. Please add Prognostic_Multi-Gene_Assay_Performed_Optional column to the file and try again.	Error
Prognostic Multi-Gene Assay Performed Optional does not match strings	The Prognostic_Multi-Gene_Assay_Performed_Optional does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a Prognostic_Multi-Gene_Assay_Performed_Optional (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
Prognostic Multi-Gene Assay Performed Optional is not defined for the ICD-10 code	The Prognostic_Multi-Gene_Assay_Performed_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.33 MammaPrint\_Result\_Optional Errors

Validation	Error Message/Warning	Type
Mammaprint Result Optional column missing	Changes not saved. Please add MammaPrint_Result_Optional column to the file and try again.	Error
Mammaprint Result Optional is for numbers only	The MammaPrint_Result_Optional was not provided as a numeric value. This value was not loaded and your patient's staging information may be incomplete.	Error
Mammaprint Result Optional is not within the accepted range.	The MammaPrint_Result_Optional is not within the accepted range of -1.000 through 1.000. This value was not loaded.	Error
Mammaprint Result Optional is not defined for the ICD-10 code	The MammaPrint_Result_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.34 Oncotype\_Dx\_Result\_Optional Errors

Validation	Error Message/Warning	Type
Oncotype Dx Result Optional column missing	Changes not saved. Please add Oncotype_Dx_Result_Optional column to the file and try again.	Error
Oncotype Dx Result Optional is for numbers only	The Oncotype_Dx_Result_Optional was not provided as a numeric value. This value was not loaded and your patient's staging information may be incomplete.	Error

Validation	Error Message/Warning	Type
Oncotype Dx Result Optional is not within the accepted range	The Oncotype_Dx_Result_Optional is not within the accepted range of 0 through 100. This value was not loaded.	Error
Oncotype Dx Result Optional is not defined for the ICD-10 code	The Oncotype_Dx_Result_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.35 Prosigna\_Result\_Optional Errors

Validation	Error Message/Warning	Type
Prosigna Result Optional column missing	Changes not saved. Please add Prosigna_Result_Optional column to the file and try again.	Error
Prosigna Result Optional is for numbers only	The Prosigna_Result_Optional was not provided as a numeric value. This value was not loaded and your patient's staging information may be incomplete.	Error
Prosigna Result Optional is not within the accepted range	The Prosigna_Result_Optional is not within the accepted range of 0 through 100. This value was not loaded.	Error
Prosigna Result Optional is not defined for the ICD-10 code	The Prosigna_Result_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data	Warning

### 3.3.36 BRCA1\_Result\_Optional Errors

Validation	Error Message/Warning	Type
BRCA1 Result Optional column missing	Changes not saved. Please add BRCA1_Result_Optional column to the file and try again.	Error
BRCA1 Result Optional does not match strings	The BRCA1_Result_Optional does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a BRCA1_Result_Optional (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
BRCA1 Result Optional is not defined for the ICD-10 code	The BRCA1_Result_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.37 BRCA2\_Result\_Optional Errors

Validation	Error Message/Warning	Type
BRCA2 Result Optional column missing	Changes not saved. Please add BRCA2_Result_Optional column to the file and try again.	Error
BRCA2 Result Optional does not match strings	The BRCA2_Result_Optional does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a BRCA2_Result_Optional (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error

Validation	Error Message/Warning	Type
BRCA2 Result Optional is not defined for the ICD-10 code	The BRCA2_Result_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.38 IDH2\_Result\_Optional Errors

Validation	Error Message/Warning	Type
IDH2 Result Optional column missing	Changes not saved. Please add IDH2_Result_Optional column to the file and try again.	Error
IDH2 Result Optional does not match strings	The IDH2_Result_Optional does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add an IDH2_Result_Optional (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
IDH2 Result Optional is not defined for the ICD-10 code	The IDH2_Result_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.39 FLT3\_Result\_Optional Errors

Validation	Error Message/Warning	Type
FLT3 Result Optional column missing	Changes not saved. Please add FLT3_Result_Optional column to the file and try again.	Error
FLT3 Result Optional does not match strings	The FLT3_Result_Optional does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add an FLT3_Result_Optional (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error
FLT3 Result Optional is not defined for the ICD-10 code	The FLT3_Result_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.40 dMMR\_Result\_Optional Errors

Validation	Error Message/Warning	Type
dMMR Result Optional column missing	Changes not saved. Please add dMMR_Result_Optional column to the file and try again.	Error
dMMR Result Optional does not match strings	The dMMR_Result_Optional does not match a valid response for the OCM registry. This value was not loaded and your patient's staging information may be incomplete. Please add a dMMR_Result_Optional (provided in the current version of the OCM Staging and Clinical Data Specifications) to the file and try again.	Error

Validation	Error Message/Warning	Type
dMMR Result Optional is not defined for the ICD-10 code	The dMMR_Result_Optional is not applicable for the ICD-10 diagnosis provided. This value was not loaded. Please review the current version of the OCM Staging and Clinical Data Specifications.	Warning

### 3.3.41 Miscellaneous Errors and Warnings

Validation	Error Message/Warning	Type
Generic File Process Failure (no specific cause)	Staging Data Extraction: Internal error: Staging data extraction failed.	Error
Upload file is blank (all fields null)	No records found in file to upload.	Error
Column from old abstraction tool/template included in the	Column Revised_ISS_Stage was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column Tumor_Type was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column Tumor_Grade was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column Resection was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column Clinical_Stage was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column EGFR_Activating_Mutation was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column ALK_Gene_Mutation was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column ROS1_Gene_Mutation was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column KRAS_Mutation was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column NRAS_Mutation was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column BRAF_Mutation was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column Prognostic_Multi-Gene_Assay_Performed was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column MammaPrint_Result was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column Oncotype_Dx_Result was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column Prosigna_Result was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column BRCA1_Result was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column BRCA2_Result was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column IDH2_Result was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the	Column FLT3_Result was not expected, data from this column was ignored while importing.	Warning



Validation	Error Message/Warning	Type
Column from old abstraction tool/template included in the	Column dMMR_Result was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the file	Column Disease_Status was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the file	Column Oncotype_Dx_DCIS_Result was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the file	Column Relapses was not expected, data from this column was ignored while importing.	Warning
Column from old abstraction tool/template included in the file	Column Remissions was not expected, data from this column was ignored while importing.	Warning
HICN and/or MBI does not match existing records	HICN/MBI provided does not match any existing records. A new incomplete patient record has been created.	Warning

### 3.4 MBI Transition Upload Template Validation Log

The validation log will be a .txt file that will list the errors and/or warnings from the file.

#### 3.4.1 HICN Errors

Validation	Error Message
HICN and MBI missing	No records found in the file to upload.
HICN missing	Changes not saved. The HICN is required. Please edit HICN and try again.
MBI/HICN combination belongs to two different patients in the registry	Changes not saved. The MBI/HICN combination belongs to two separate patients in the registry. Please correct records and try again.
HICN/MBI combination does not match	Changes not saved. The MBI supplied does not belong to the HICN it is replacing. Please check the MBI and try again.
HICN does not exist in the registry	Changes not saved. Record with the given HICN 'xxxxxxxxxx' does not exist.
HICN column missing	Changes not saved. Please add HICN column to the file and try again.
HICN only alphabetic and numeric values.	Changes not saved. The HICN value is not valid. Only alphabetical, numerical, a curly bracket (right '}' or left '{') values are accepted. Please edit HICN and try again.
HICN less than 6 characters	Changes not saved. HICN is less than the minimum length of 6 characters. Please edit HICN and try again.
HICN greater than 12 characters	Changes not saved. HICN exceeds the maximum length of 12 characters. Please edit HICN and try again.
Invalid HICN status of patient is preventing the transition to MBI	Changes not saved. Patients with Invalid HICN status cannot be transitioned to MBI.

### 3.4.2 MBI Errors

Validation	Error Message
HICN and MBI missing	No records found in the file to upload.
MBI missing	Changes not saved. Please enter an MBI and try again.
HICN/MBI combination does not match	Changes not saved. The MBI/HICN combination belongs to two separate patients in the registry. Please correct records and try again.
MBI column missing	Changes not saved. Please add MBI column to the file and try again.
MBI does not conform to standard	Changes not saved. The MBI value is not valid. MBI does not conform to the standards. Please edit MBI and try again.
MBI greater than 11 characters	Changes not saved. The MBI value is not valid. MBI does not conform to the standards. Please edit MBI and try again.

## 4. File Upload Samples and Resources

Section 4.1 provides file upload samples and resources which can be found on OCM Connect.

### 4.1 File Upload Samples

For examples of each file upload method, please refer to the resources available on OCM Connect in Table 2.

Table 2: File Upload Samples

File Upload Method	Samples
OCMR Patient Upload File_v1.1	<ul style="list-style-type: none"> <li>The OCMR Upload Definition File v6_20201201 (includes a sample OCMR Patient Upload File_v1.1)</li> </ul>
OCMR Staging Upload Template_PP8_v3.0	<ul style="list-style-type: none"> <li>The OCMR Upload Definition File v6_20201201 (includes a sample OCMR Staging Upload Template_PP8_v3.0)</li> </ul>
OCMR Staging Abstraction Tool_PP8_v3.0	<ul style="list-style-type: none"> <li>OCMR Staging Abstraction Tool_v2.1.1_Podcast_v1.1</li> <li>OCMR Staging Abstraction Tool_v2.1.1_Training Slides_v1.1</li> <li>OCMR Staging Abstraction Tool_v2.1.1_Sample File_v2.0</li> </ul>

### 4.2 File Upload Resources

For additional file upload resources, please refer to the resources available on OCM Connect in Table 3.

Table 3: Upload Resources

Name	Description
OCMR Patient Upload File v1.1	File option to upload patient data.
OCMR Staging Abstraction Tool_PP8_v3.0	File option to upload staging and clinical data. Must be used with the OCMR Patient Upload File_v1.1.
OCMR Staging Upload Template_PP8_v3.0	File option to upload staging and clinical data. Must be used with the OCMR Patient Upload File_v1.1.
OCMR Upload Definition File v6_20201201	Provides information on the OCMR Patient Upload File_v1.1, OCMR Staging Abstraction Tool_PP8_v3.0, and OCMR Staging Upload Template_PP8_v3.0.
OCM Medicare Beneficiary Identifier FAQs_v1.0	Set of frequently asked questions (FAQs) to assist practices in understanding the New Medicare Card Initiative's Medicare Beneficiary Identifier (MBI).

Name	Description
OCMR Staging and Clinical Data Specifications_PP8_v3.0	Includes the specific data elements and codes for the clinical data that will be collected for each cancer type.
Staging Data Gap Export Report	File option to upload staging and clinical data to fill data gaps present for those patients identified as being staging incomplete.
OCMR Data Registry User Manual_v12	Overview of using the OCM Data Registry.
OCMR Staging and Clinical Data Overview_PP8_v3.0	Overview of OCM Staging and Clinical Data for reporting Performance Period 5 data to the OCM Registry.
Updating Data Registry Patients from HICN to MBI_v1	Includes steps for when a practice obtains the MBI for a patient who has previously been entered in the Data Registry with a HICN, and how to modify the patient record to remove the HICN and add the MBI
MBI Transition Upload Template	File option to upload MBI transition data
MBI Transition Upload Template Definition File	The 'MBI Transition Upload Template Definition' file includes the file definitions for the 'MBI Transition Upload Template'