National Patient Information Reporting System: National Data Warehouse

NDW Data Quality Mart

User Guide

Version 3.0

April 2011

Department of Health and Human Services

Indian Health Service

Office of Information Technology (OIT)

Contents

Version Control

Version	Date	Notes
1.0	April 2008	Initial version. FY08 contract deliverable, D1.9.3 Approved April 11, 2008
1.1	November 2010	Added section for a new UP Related report DQM-3 Missing Registrations by Facility Added advisory note for DQM-WL2APC report Added note to DQM-UP1, DQM-UP2, and DQM-WL1 reports reflecting a recent change to record selection restriction.
2.1	March 2011	Annual Update/Review; 2nd pass due to changes in related documents (NDW Reporting Web Site UG)
3.0	April 2011	Final April 5, 2011

Contact Information

If you have any questions or comments regarding the NDW Data Quality Mart, please contact the OIT Help Desk at: support@ihs.gov

Introduction

The National Data Warehouse (NDW) **Data Quality Mart** (DQM) was developed by NPIRS to provide feedback to the suppliers of data to the NDW related to the detection of critical and non-critical errors affecting the quality and completeness of their data.

The NDW Data Quality Mart is a collection of easily accessible web-based reports, which provide the user a quantified picture of problems with their data, as well as enough detail to allow record level identification of problematic data. Note that any detail displayed is within the boundaries of currently required laws and regulations, such as the Health Insurance Portability and Accountability Act (HIPAA).

Since producing user population and workload reports is a core function of NPIRS, the first release of the Data Quality Mart focuses on data errors that have or could have an influence on either report. Due to their importance, these data errors will be labeled as NDW critical data errors.

Like any other structure within NDW, the future growth of the Data Quality Mart will be gradual, and it will evolve around the needs of its users. Because the first release of this data mart is tightly connected with user population and workload matters, future releases will concentrate on data quality issues related to clinical data and other data quality issues important to NDW users.

All Data Quality Mart reporting is limited to data already loaded and stored in the NDW. Reports related to problems loading received data into the NDW database are located in the NDW Export Tracking Mart.

Accessing the Data Quality Mart

The Data Quality Mart is accessible via the IHS National Data Warehouse Reporting Web Site at http://rohan.

To view the documentation only, log in as a Guest User. It is recommended that you first review the NDW Reporting Web Site User Guide if you are not familiar with the general workings of this website.

To view your reports along with the documentation, you must log on to the website as a Registered User.   Double-click on the folder named "04. Data Quality Mart" to access the related documentation and report subfolders. Consistent with the configuration of the NDW Userpop/Workload Data Mart, the NDW Data Quality Mart contains a separate

report folder for each IHS Administrative Area, and each Area's users are allowed to view only the reports in their specific area folder.

Data Quality Reports Schedule

The Data Quality reports are generated per the schedule posted in the 'DQM User Documentation' folder. Reports may also be run upon request for a timeframe of your choosing. To request a report run, e-mail your request to the OIT Help Desk at support@ihs.gov.

Data Quality Mart Organization

Currently, the Data Quality Mart provides information about critical data errors. Critical errors are defined as those errors and/or omissions that affect the accuracy of User Population (UP) and Workload (WL) reporting and verification processes. They include data errors that directly influence UP/WL reported numbers, as well as data errors and omissions that could potentially influence UP/WL reported numbers.

Data Quality Mart reports are organized into two categories:

- Reports related to User Population
- Reports related to Workload

Viewing User Population Related Reports

The Data Quality Mart reports related to User Population are located in the "**UP Related"** folder. Currently there are three reports in the UP Related DQM folder:

1) DQM-UP1 Registrations Not Included on User Population Reports

2) DQM-UP2 Registrations Potentially Countable on UP Reports

3) DQM-UP3 Missing Registrations by Facility

These reports assist sending sites in identifying registration records that have been excluded from the User Population (UP) reports, as well as registration records that could potentially be considered countable[1] on the UP reports.

To view a User Population-related report,

---

[1] To be considered countable, registrants must be American Indians or Alaska Natives who reside in selected service units (HQ determined, usually non-Urban) within the Area from which the registration record was received and must not reside in a NON-Service Unit (00).

1. In the Folders pane on the left, expand your Area's folder.

2. Click the "**UP Related"** folder.

3. The list of reports will be displayed in the Details pane.

To view the most recent version of the report, double-click the report name. To view a previous version of the report, right click on the report name and then select 'History'.
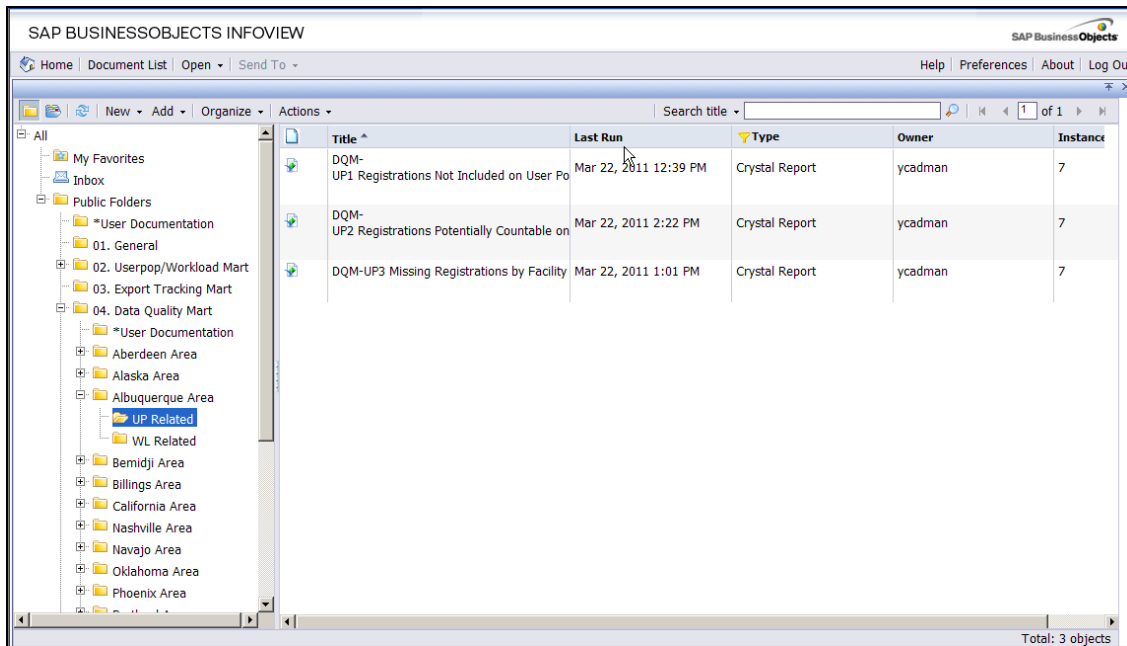

Figure 1 - Data Quality Mart UP Report Listing.

DQM-UP1 Registrations Not Included on User Population Report

According to business rules established by IHS Headquarters, Division of Program Statistics (DPS), a registration record must have, at a minimum, the following data elements to be included on User Population reports:

- Last Name
- First or Middle Name
- Chart Number
- Valid Chart Facility

For each Area and exporting Facility, the **Registrations Not Included on User Population Reports** show registration records that will not be included on the User Population reports because there is a problem with one or more of these required data elements.

This report provides a summary view of the extent of this problem and enough detail to correct the problem. When corrected registration records have been received by NPIRS, the numbers on these reports should disappear, and the Area/Facility can be confident that all their registrations will be included on the next run of the User Population reports.

Note: As of November 2010, this report shows only registration records loaded into NDW during the last three fiscal years.

Viewing the Summary Report

The main view provides a quantified summary of the registrations, showing the total number of registrations not included, as well as numbers affected by each of the required data elements.

The following figure shows an example of the summarized view of a '*DQM-UP1 Registrations Not Included on User Population*' report.

Figure 2 "DQM-UP1 Registrations Not Included on User Population"

Column Header	Description
Exporting Facility	Code and Facility Name of the exported registration data.
Total # of Registrations Not Included	Total count of registration records that will not be included on UP reports.
Chart Facility Missing/Invalid	Number of registration records with no Chart Facility or with a Chart Facility that is not found in the IHS Standard Code Book.
Chart Number Missing	Number of registration records with no Chart Number.

Column Header	Description
Last Name Missing	Number of registration records with no patient Last Name
First and Middle Name Missing	Number of registration records with no patient First Name and no patient Middle Name.

Viewing Report Details

The detail view provides record-level identification of the problems, allowing corrective action. Double-clicking on any listed **Exporting Facility** (blue font), displays the details of the selected report.

The following figure shows an example of the detailed view of a '*DQM-UP1 Registrations Not Included on User Population'* report.

Registrations Not Included on User Population Reports

DETAIL for: 912211 KAUAI HEALTH CENTER

Registration Code	Chart Facility	Chart Number	Last Name	First and Middle Name
99874000017099	919910 INVALID	EXIST	EXIST	EXIST
99874000017102	919910 INVALID	EXIST	EXIST	EXIST
99874000017104	919910 INVALID	EXIST	EXIST	EXIST
99874000017105	912211 KAUAI HEALTH CENTER	EXIST	EXIST	MISSING
99874000017113	MISSING	EXIST	EXIST	EXIST
99874000017114	912211 KAUAI HEALTH CENTER	EXIST	EXIST	MISSING
99874000017118	912211 KAUAI HEALTH CENTER	EXIST	EXIST	MISSING
99874000017119	MISSING	EXIST	EXIST	MISSING
99874000017120	912211 KAUAI HEALTH CENTER	EXIST	EXIST	MISSING
99874000017121	912211 KAUAI HEALTH CENTER	EXIST	EXIST	MISSING
99874000017122	912211 KAUAI HEALTH CENTER	EXIST	EXIST	MISSING
99874000017123	912211 KAUAI HEALTH CENTER	EXIST	EXIST	MISSING
99874000017125	912211 KAUAI HEALTH CENTER	EXIST	EXIST	MISSING
99874000017181	912211 KAUAI HEALTH CENTER	EXIST	EXIST	MISSING
99874000017183	912211 KAUAI HEALTH CENTER	EXIST	EXIST	MISSING
99874000017184	912211 KAUAI HEALTH CENTER	EXIST	EXIST	MISSING
99874000017199	912211 KAUAI HEALTH CENTER	EXIST	EXIST	MISSING
99874000017214	912211 KAUAI HEALTH CENTER	EXIST	EXIST	MISSING

Figure 3 "DQM-UP1 Registrations Not Included on User Population"

Column Header	Description
Registration Code	The unique registration record identifier generated by the source system, comprised of the 5-digit exporting database identifier concatenated with the zero-filled IEN (Internal Entry Number) of the source system registration record.
Chart Facility	Record level information about the chart facility validation. The Chart Facility Code and Facility Name appear only when the code is valid. INVALID (red, bold font) indicates an invalid code. MISSING (red, bold font) indicates no code.

Column Header	Description
Chart Number	Record level information about the patient chart number. EXIST indicates that there is a chart number for the registration record. MISSING (red, bold font) indicates that the chart number is missing.
Last Name	Record level information about the Last Name of the patient. EXIST indicates that there is a chart number for the registration record. MISSING (red, bold font) indicates no chart number.
First and Middle Name	Record level information about the First and Middle Name of a patient. EXIST indicates that the registration record has a First Name *or* Middle Name. MISSING (red, bold font) indicates that both of these name fields are missing.

DQM-UP2 Registrations Potentially Countable on UP Report

Although the registrants are included on the Area's User Population report, they may not be credited to the User Population counts for that Area. Registrants considered as countable must be American Indians or Alaska Natives who reside in selected service units (HQ determined, usually non-Urban) within the Area from which the registration record was received and must not reside in a Non-Service Unit (00).

For each Area and exporting Facility, the **Registrations Potentially Countable on UP Report** shows registration records that could potentially be considered as countable on the User Population reports but are not, because essential elements related to a patient's residency and/or related to a patient's American Indian/Alaska Native (AI/AN) status is missing or invalid.

This report provides a picture of the extent of this problem and enough detail to correct the problem. When corrected registration records have been received by NPIRS, the numbers on this report should get lower, giving the Area confidence that these fixed registrations may contribute to the Area's User Population counts.

Note: As of November 2010, this report shows only registration records loaded into NDW during the last three fiscal years.

Viewing the Summary Report

The main view provides a quantified summary of potentially countable registrations, showing total numbers, as well numbers related to patient residency and patient AI/AN status.

The following figure shows an example of the summarized view of a '*DQM-UP2 Registrations Potentially Countable on User Population'* report.

Figure 4 "DQM-UP2 Registrations Potentially Countable on User Population"

Column Header	Description
Exporting Facility	Code and Facility Name of the exported registration data.
Total # of Potentially Countable Registrations	Total count of registration records that potentially could be counted on UP Reports.
Community Missing/Invalid	Number of registration records with no community of residence code or with a code that does not exist in the IHS Standard Code Book at the time this report was run.
Tribe Missing/Invalid	Number of registration records with no tribal code or with a code that does not exist in the IHS Standard Code Book at the time this report was run.
Beneficiary Missing/Invalid	Number of registration records with no beneficiary code or with a code that does not exist in the IHS Standard Code Book at the time this report was run.
Blood Quantum Missing/ Invalid	Number of registration records with no blood quantum code or with a code that does not exist in the IHS Standard Code Book at the time this report was run.

Viewing Report Details

The detail view provides record-level identification of the problems, allowing corrective action. Double-clicking on any listed **Exporting Facility** (blue font), displays the details of the selected report.

The following figure shows an example of the detailed view of a '*DQM-UP2 Registrations Potentially Countable on UP'* report.

Registrations Potentially Countable on User Population Reports

DETAIL for: 912211 KAUAI HEALTH CENTER

Registration Code	Patient Residency Community	Patient AI/AN Status Tribe	Beneficiary	Blood Quantum
99874000022131	1671001 INVALID	945 KASHUB TRIBE	VALID	VALID
99874000022239	6605888 BIG ISLAND BAY	499 INVALID	VALID	VALID
99874000022284	MISSING	999 INDIAN – TRIBE UNSPECIFIED	INVALID	MISSING
99874000022324	1671001 INVALID	920 GORAL NATION	VALID	VALID
99874000022404	5568993 INVALID	999 INDIAN – TRIBE UNSPECIFIED	VALID	VALID
99874000022705	1671001 INVALID	945 KASHUB TRIBE	VALID	VALID
99874000022733	2899927 INVALID	999 INDIAN – TRIBE UNSPECIFIED	VALID	VALID
99874000022822	MISSING	945 KASUB TRIBE	VALID	VALID
99874000022830	1671001 INVALID	945 KASHUB TRIBE	VALID	VALID
99874000022865	6641993 WAIKOLOA BEACH	998 OTHER	MISSING	MISSING
99874000022903	MISSING	945 KASHUB NATION	VALID	VALID
99874000022921	1671001 INVALID	920 GORAL NATION	VALID	VALID
99874000022986	1671001 INVALID	945 KASHUB TRIBE	VALID	VALID
99874000023073	1671001 INVALID	955 BIG FOOT NATION	VALID	VALID
99874000023074	1671001 INVALID	920 GORAL NATION	VALID	VALID
99874000023089	1671001 INVALID	998 OTHER	VALID	VALID
99874000023112	1671001 INVALID	920 GORAL NATION	VALID	VALID
99874000023182	MISSING	MISSING	MISSING	MISSING
99874000023215	MISSING	955 BIG FOOT NATION	VALID	VALID
99874000023275	MISSING	945 KASHUB TRIBE	VALID	VALID
99874000023288	MISSING	955 BIG FOOT NATION	VALID	VALID
99874000023290	MISSING	945 KASHUB TRIBE	VALID	VALID
99874000023291	MISSING	945 KASHUB TRIBE	INVALID	VALID

Figure 5 "DQM-UP2 Registrations Potentially Countable on UP"

Column Header	Description
Registration Code	The unique registration record identifier generated by the source system, comprised of the 5-digit exporting database identifier concatenated with the zero-filled IEN (Internal Entry Number) of the source system registration record.
Community	Record level information about community validation. The community code and community name appear only when the code is valid. INVALID (red, bold font) indicates an invalid code MISSING (red, bold font) indicates no code.
Tribe	Record level information about tribal code validation. The tribal code and tribe name appear only when the code is valid. INVALID (red, bold font) indicates an invalid code. MISSING (red, bold font) indicates no code.
Beneficiary	Record level information about beneficiary code validation. VALID indicates a valid code. INVALID (red, bold font) indicates an invalid code MISSING (red, bold font) indicates no code. If the tribal code equals 998 or 999, red, bold font is used to indicate a critical error.

Column Header	Description
Blood Quantum	Record level information about blood quantum code validation. VALID indicates a valid code. INVALID (red, bold font)indicates an invalid code MISSING (red, bold font) indicates no code. If the tribal code equals 998 or 999, red, bold font is used to indicate a critical error.

DQM-UP3 Missing Registrations by Facility

Encounter records with missing registrations are included in NPIRS workload reporting. Each of these potentially workload reportable encounter records have a registration identifier that does not yet have a matching registration record in the NDW.

Absence of an associated registration record for a workload reportable encounter will prevent inclusion of this "would be Active" registration on User Population reports. Active status is assigned to each registration based on the presence of at least one workload reportable visit within the last three fiscal year periods preceding the UP reporting end date[2]. The impact of missing registrations on User Population numbers may vary. User Population numbers may increase when the NDW receives a registration record that includes all data elements required for UP processing and there is no other Active registration(s) for the same patient.

For each Area and exporting/authorizing Facility, the **Missing Registration by Facility** report lists unmatched registration identifiers (unique registration code, or authorizing/chart facility and chart number) received in the workload reportable encounter record with service date/discharge date within the most recent three fiscal years.

This report provides a summary view showing the extent of this problem and detail information needed to correct the problem. When missing registration records have been received by NPIRS and successfully matched with associated visit(s), it no longer will appear on this report. Consequently, the missing registration will be included on the next run of the User Population reports if it is not showing on the '*DQM-UP1 Registrations Not Included on User Population'* report.

---

[2] Reporting end date for User Population reports is published in the annual HQ memorandum – Timeline for Transmittal of Fiscal Year 20XX Workload Data and Production of User Population Estimates

Viewing the Summary Report

The main view provides a summary count of registrations missing from the NDW and a count of un-linked workload reportable visits waiting to be matched with these registrations.

The following figure shows an example of the summarized view of a *'DQM-UP3 Missing Registrations by Facility'* report.

Figure 6 "DQM-UP3 Missing Registrations by Facility"

Column Header	Description
Exporting Facility	Code and Name of the Facility sending encounter data or authorizing/chart facility.
	Depending on export file type received by NPIRS, the exporting facility may not be available. In that case authorizing facility or chart facility is provided for tracking purposes.
Number of Known Registrants Involved	Number of discrete registration identifiers submitted in workload reportable encounter records received by NDW. Registration data for these identifiers needs to be sent in to the NDW.
Number of Un-linked Workload Reportable Visits	Number of workload reportable encounter records that could not be linked to any existing record in the NDW registration data.

Viewing Report Details

The detail view provides record-level identification of the problems, allowing corrective action. Double-clicking on any listed **Exporting Facility** (blue font), displays the details of the selected report.

Figure 7 "Missing Registrations" report detail.

Column Header	Description
Unique Registration Code	The unique registration record identifier submitted in the encounter record(s) received by NDW.
	The unique registration code consists of the 5-digit source database identifier concatenated with zero filled IEN (Internal Entry Number) of the source system registration record.
	MISSING means that unique registration code was not supplied on encounter record(s). In this case supplemental registration identifiers are provided. These identifiers include combination of Authorizing/Chart Facility and Chart Number.
Chart Facility	Chart facility code from encounter record(s).
	As a supplemental identifier it is displayed only when Unique Registration Code is MISSING.
Chart Number	Chart number from encounter record(s).
	As a supplemental identifier it is displayed only when Unique Registration Code is MISSING.
Authorizing Facility	Chart facility code from encounter record(s).
	As a supplemental identifier it is displayed only when Unique Registration Code is MISSING.
Number of Known Registrants Involved	Number of discrete registration identifiers submitted in workload reportable encounter records received by NDW.
	Since the detail view lists each discrete identifier the displayed number is always '1'.
Number of Un-linked Workload Reportable Visits	Number of workload reportable encounter records for this registration identifier waiting for matching registration data.

Viewing Workload Related Reports

Each encounter record received by NPIRS is evaluated for its workload reportability using business rules established by IHS Headquarters, Division of Program Statistics (DPS). Based on these rules, some encounter records will never be workload reportable. However, some records are marked as not workload reportable because deciding data elements are missing or invalid. Also, some encounter records marked workload reportable will not appear on workload reports because data elements for selecting records for these reports are missing or invalid.

The Data Quality Mart reports related to Workload are located in "**WL Related"** folder. Currently, there are five reports in the WL Related DQM folder:

1) DQM-WL1 WL Reportable Visits Not Included on Workload Reports

2) DQM-WL2APC Potentially Workload Reportable Ambulatory Visits

3) DQM-WL2CON Potentially Workload Reportable Contract Visits

4) DQM-WL2DEN Potentially Workload Reportable Dental Visits

5) DQM-WL2INP Potentially Workload Reportable Inpatient Visits

Each report provides a summary view of the extent of the problem and enough detail to correct the problem. These reports should help sending sites identify workload reportable visits that are not included on the Workload reports, as well as visits that potentially could be workload reportable and subsequently included on workload reports.

To display a Workload report,

1. In the Folders pane on the left, expand your Area's folder.

2. Click the "WL Related" folder.

3. The list of reports will be displayed in the Details pane.

To view the most recent version of the report, double-click the report name. To view a previous version of the report, right click on the report name and then select 'History'.

Figure 8 - Data Quality Mart WL Report Listing

DQM-WL1 WL Reportable Visits Not Included on Workload Report

For each Area and exporting Facility or export file type, the **WL Reportable Visits Not Included on Workload** reports show all visits (APC, Inpatient, Dental, Contract Inpatient, Contract Outpatient) marked as workload reportable but not included on the Workload reports, because the date field used by workload verification reports is missing or invalid, or the facility code used by these reports is missing or invalid.

Note: As of November 2010, this report shows only visit records loaded into NDW during the last three fiscal years.

Viewing the Summary Report

The main view provides a quantified summary of the visits, showing the total number of workload reportable visits not included on workload verification reports, as well as the number of visits affected by problems related to facility validation or date validation.

The following figure shows an example of the summarized view of the *'DQM-WL1 WL Reportable Visits Not Included on Workload'* report.

Figure 9 "DQM-WL1 WL Reportable Visits Not Included on Workload"

Column Header	Description
Exporting Facility/Export File Type	Code and Facility Name of the exported encounter data or export file type.
	Depending on export file type received by NPIRS, the exporting facility may not be available. When it is not available, the export file type is provided for tracking purposes.
Total # of WLR Visits Not Included	Total count of workload reportable visits that are not included on any of the Workload reports, because the date field that these reports are based is missing, could not be calculated, or falls beyond the end date of the current fiscal year, or the required facility code (location of encounter for direct visits or authorizing facility for contract visits) is missing or invalid (does not exist in the IHS Standard Code Book).
Location of Encounter Missing/Invalid	Number of direct workload reportable visits with no location of encounter facility code or with a location of encounter facility code not found in the IHS Standard Code Book.
Authorizing Missing/Invalid	Number of contract workload reportable visits with no authorizing facility code or with an authorizing facility code not found in the IHS Standard Code Book.

Column Header	Description
Service Date Missing/Invalid	Number of workload reportable visits with date of service or admission date missing or invalid.
	The service date is counted as invalid when it falls before 01/01/1955 or beyond the end date of the current fiscal year. In the case of inpatient visits, the admission date is invalid when it falls after the discharge date
Discharge Date Missing/Invalid	Number of workload reportable inpatient visits with discharge date missing or invalid.
	The discharge date is counted as invalid when it falls before 01/01/1955 or beyond the end date of the current fiscal year, or it falls before the admission date.

Viewing Report Details

The detail view provides record-level identification of the problems, allowing corrective action. Double-clicking on any listed **Exporting Facility/Export File Type** (blue font), displays the details of the selected report.

The following figure shows an example of a detailed view of the *'DQM-WL1 WL Reportable Visits Not Included on Workload'* report.

Figure 10 "DQM-WL1 WL Reportable Visits Not Included on Workload"

Column Header	Description
Encounter Code or Export File Name	The unique encounter record identifier generated by the source system is displayed when available (HL7 and SFE files).
	The unique encounter code consists of the 5-digit exporting database identifier concatenated with zero filled IEN (Internal Entry Number) of the source system encounter record, and should allow record-level tracking (at the sending site) of these visits.
	If the unique encounter code is not available (CHSSTAT, STATRECS, DENTSTAT files), the export file name is displayed. The export file name, in combination with other information under headings like Authorization Number, Authorizing Facility, should allow record-level tracking of these visits.
Visit Type	Information about type of visit having problems.
Authorization Number	The authorization number for contract visits only; it can be used in conjunction with the export file name and authorizing facility to identify these visit (purchase order) records at the source system.
LOE Facility	Record-level information for direct visits only, about location of encounter facility validation. The location of encounter facility code and facility name appears only when the code is valid.
	INVALID (red, bold font) indicates an invalid code
	MISSING (red, bold font) indicates no code.
Authorizing Facility	Record-level information for contract visits only, about authorizing facility validation. The authorizing facility code and facility name appears only when the code is valid.
	INVALID (red, bold font) indicates an invalid code
	MISSING (red, bold font) indicates no code.
Service Date	Record-level information about date of service (admission date for inpatient visits) validation.
	The service date is considered invalid when it falls before 01/01/1955 or beyond the end date of the current fiscal year. In the case of inpatient visits, an admission that date falls after discharge date is considered invalid.
	Valid date value is displayed in regular font.
	INVALID (red, bold font) indicates an invalid date
	MISSING (red, bold font) indicates no date.
Discharge Date	Record level information about discharge date validation.
	The discharge date is considered invalid when it falls before 01/01/1955 or beyond the end date of the current fiscal year, or it falls before admission date.
	Valid date value is displayed in regular font.
	INVALID (red, bold font) indicates an invalid date
	MISSING (red, bold font) indicates no date.

DQM-WL2APC Potentially Workload Reportable Ambulatory Visits

For each Area and location of encounter facility, the **Potentially Workload Reportable Ambulatory Visits** reports show ambulatory visits within a specified date range that could potentially be workload reportable but are not, because essential data elements that decide ambulatory visit workload reportability status are either missing or have values outside IHS proprietary code sets. These data elements include:

- 1A Facility Designation Flag
- Service type
- Service Category
- Provider Code
- Clinic Code
- Diagnosis Code

Note: Per Stat Officers' request, an automatic delay has been built into this report in order to minimize incomplete encounters being shown as errors. Records containing errors do not appear until 1 month AFTER they are loaded in the NDW.

Viewing the Summary Report

The main view displays a quantified summary of potentially workload reportable ambulatory visits, showing total numbers of these visits as well as the number of visits affected by problems related to these essential data elements.

The following figure shows an example of the summarized view of the *'DQM-WL2APC Potentially Workload Reportable Ambulatory Visits'* report.

Figure 11 "DQM-WL2APC Potentially Workload Reportable Ambulatory Visits"

Column Header	Description
Location of Encounter Facility	Location of encounter facility code and name.
Total # of Potentially WLR Visits	Total count of ambulatory visits that could potentially be workload reportable.
Non APC Facility	Number of ambulatory visits currently marked as not workload reportable because location of encounter facility is not designated as a 1A facility.
Service Type Missing/Invalid	Number of ambulatory visits marked as not workload reportable with service type code missing or invalid (not found in the IHS Standard Code Book).
Service Category Missing/ Invalid	Number of ambulatory visits marked as not workload reportable with service category code missing or invalid (not found in the IHS Standard Code Book).
Provider Missing/Invalid	Number of ambulatory visits marked as not workload reportable with provider code missing or invalid (not found in the IHS Standard Code Book).
Clinic Missing/Invalid	Number of ambulatory visits marked as not workload reportable with clinic code missing or invalid (not found in the IHS Standard Code Book).
Diagnosis Missing	Number of ambulatory visits marked as not workload reportable without at least one diagnosis code. **Note:** This workload requirement applies only to visits starting in FY 2008.

Viewing Report Details

The detail view provides record-level identification of the problems, allowing corrective action. Double-clicking on any listed **Location of Encounter Facility** (blue font), displays the details of the selected report.

The following figure shows an example of a detailed view of the *'DQM-WL2APC Potentially Workload Reportable Ambulatory Visits'* report.

Figure 12 "DQM-WL2APC Potentially Workload Reportable Ambulatory Visits"

Column Header	Description
Exporting Facility	Code and name of facility exporting this visit record.
Encounter Code	Unique encounter record identifier generated by the source system, composed of the 5-digit exporting database identifier concatenated with the zero filled IEN (Internal Entry Number) of the source system encounter record.
Service Date	Date of service for this visit.
APC Facility	Whether the location of encounter facility is designated in the Standard Code Book as a 1A facility, where YES (regular font) indicates that it is. NO (red, bold font) indicates that it is not.
Service Type	Record level information about service type code validation. The service type code and its name appear only when the code is valid. INVALID (red, bold font) indicates an invalid code. MISSING (red, bold font) indicates no code.
Service Category	Record level information about service category code validation. The service category code and its name appear only when the code is valid. INVALID (red, bold font) indicates an invalid code. MISSING (red, bold font) indicates no code.
Provider	Record level information about provider code validation. The provider code and its name appear only when the code is valid. INVALID (red, bold font) indicates an invalid code. MISSING (red, bold font) indicates no code.

Column Header	Description
Clinic	Record level information about clinic code validation. The clinic code and its name appear only when the code is valid. INVALID (red, bold font) indicates an invalid code. MISSING (red, bold font) indicates no code.
Diagnosis	Record level information about presence of at least one diagnosis code. EXIST indicates that there is at least one diagnosis code present for the visit. MISSING (red, bold font) indicates no code.

DQM-WL2CON Potentially Workload Reportable Contract Visits

For each Area and authorizing Facility, the **Potentially Workload Reportable Contract Visits** reports show contract inpatient and outpatient visits within a specified date range that could potentially be workload reportable but are not, because the essential data element deciding the contract visit workload reportability status is either missing or has a value outside IHS proprietary code sets. For both contract inpatient and outpatient visits, the essential data element is **Provider Type** code.

Viewing the Summary Report

The main view displays a quantified summary of potentially workload reportable contract inpatient and outpatient visits, showing the total number of these visits, as well as the number of visits affected by a missing or invalid provider type code.

The following figure shows an example of the summarized view of the *'DQM-WL2CON Potentially Workload Reportable Contract Visits'* report.

Figure 13 "DQM-WL2CON Potentially Workload Reportable Contract Visits"

Column Header	Description
Authorizing Facility	Authorizing facility code and name.
Total # of Potentially WLR Visits	Total count of contract inpatient and contract outpatient visits that potentially could be workload reportable.
Provider Type Missing/Invalid	Number of contract visits marked as not workload reportable because the provider type code is missing or invalid (not found in the IHS Standard Code Book).

Viewing Report Details

The detail view provides record-level identification of the problems, allowing corrective action. Double-clicking on any listed **Authorizing Facility** (blue font), displays the details of the selected report.

The following figure shows an example of a detailed view of the *'DQM-WL2CON Potentially Workload Reportable Contract Visits'* report.

Figure 14 "DQM-WL2CON Potentially Workload Reportable Contract Visits"

Column Header	Description
Exporting Facility	Code and name of facility exporting this visit record, which is displayed only when it is available.
Encounter Code or Export Name	The unique encounter record identifier generated by the source system is displayed when available (HL7 and SFE files). The unique encounter code consists of the 5-digit exporting database identifier concatenated with zero filled IEN (Internal Entry Number) of the source system encounter record, and should allow record-level tracking (at the sending site) of these visits. If the unique encounter code is not available (CHSSTAT, STATRECS, DENTSTAT files), the export file name is displayed. The export file name, in combination with other information under headings like Authorization Number, Authorizing Facility, should allow record-level tracking of these visits.
Authorizing Facility	The authorizing facility code and facility name appears only when the code is valid.
Provider Type Missing/Invalid	Record level information about provider type validation. The provider type and its name appear only when the code is valid. INVALID (red, bold font) indicates an invalid code MISSING (red, bold font) indicates no code.
Authorization Number	The authorization number for this visit; it can be used in conjunction with the export file name and authorizing facility to identify these visit (purchase order) records at the source system.
Service Date	Date of service for the outpatient visit and admission date for the inpatient visit.
Discharge Date	Discharge date for this inpatient visit.
Visit Type	Displays the type of contract visit: contract outpatient or contract inpatient.

DQM-WL2DEN Potentially Workload Reportable Dental Visits

For each Area and facility, the **Potentially Workload Reportable Dental Visits** reports show direct and contract dental visits within a specified date range that potentially could be workload reportable but are not, because the essential data element deciding the dental visit workload reportability status is missing. For all dental visits, the essential data element is the presence of at least one **ADA** code.

Viewing the Summary Report

The main view displays a quantified summary of potentially workload reportable dental visits, showing the total number of these visits with no ADA code.

The following figure shows an example of the summarized view of the *'DQM-WL2DEN Potentially Workload Reportable Dental Visits'* report.
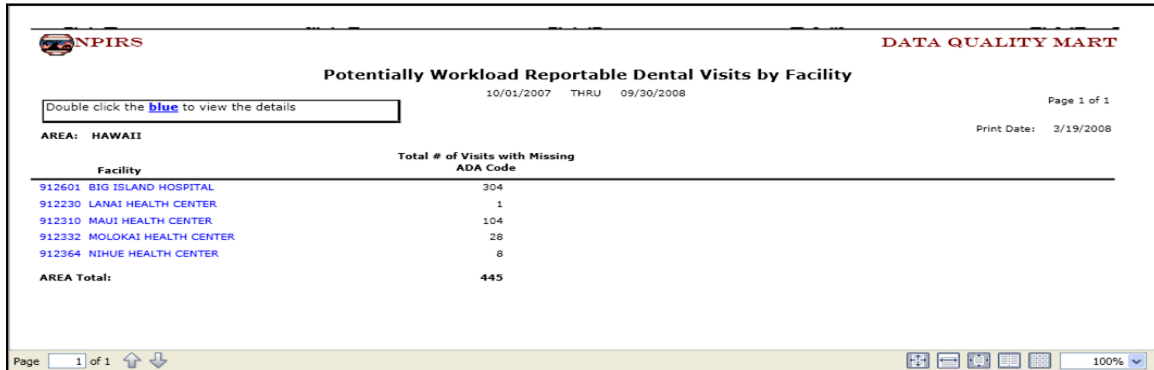

Figure 15 "DQM-WL2DEN Potentially Workload Reportable Dental Visits"

Column Header	Description
Facility	Authorizing facility code and name (Contract) or location of encounter facility code and name (Direct).
Total # of Visits with Missing ADA Code	Total count of dental visits marked as not workload reportable because these is not at least one ADA code).

Viewing Report Details

The detail view provides record-level identification of the problems, allowing corrective action. Double-clicking on any listed **Facility** (blue font), displays the details of the selected report.

The following figure shows an example of a detailed view of the *'DQM-WL2DEN Potentially Workload Reportable Dental Visits'* report.

Figure 16 "DQM-WL2DEN Potentially Workload Reportable Dental Visits"

Column Header	Description
Exporting Facility	Code and name of facility exporting this visit record, which is displayed only when it is available.
Encounter Code or Export Name	The unique encounter record identifier generated by the source system is displayed when available (HL7 and SFE files).
	The unique encounter code consists of the 5-digit exporting database identifier concatenated with zero filled IEN (Internal Entry Number) of the source system encounter record, and should allow record-level tracking (at the sending site) of these visits.
	If the unique encounter code is not available (CHSSTAT, STATRECS, DENTSTAT files), the export file name is displayed. The export file name, in combination with other information under headings like Authorization Number, Authorizing Facility, should allow record-level tracking of these visits.
ADA Code	A valid visit must have at least one ADA code.
	INVALID (red, bold font) indicates an invalid code
	MISSING (red, bold font) indicates no code.
Service Date	Date of service for the dental visit.

Column Header	Description
Type of Visit	The type of Dental visit: CONTRACT or DIRECT.
Authorization Number	The authorization number for contract dental visits only; it can be used in conjunction with the export file name and authorizing facility to identify these visit (purchase order) records at the source system.

DQM-WL2INP Potentially Workload Reportable Inpatient Visits

For each Area and Location of Encounter Facility, the **Potentially Workload Reportable Inpatient Visits** reports show direct inpatient visits within a specified date range that could potentially be workload reportable but are not, because the essential data element deciding inpatient visit workload reportability status is missing. Starting with FY 2008, the data element is a **Primary Diagnosis** code.

Viewing the Summary Report

The main view displays a quantified summary of potentially workload reportable inpatient visits, showing the total number of these visits with no primary diagnosis code.

The following figure shows an example of the summarized view of the *'DQM-WL2INP Potentially Workload Reportable Inpatient Visits'* report.
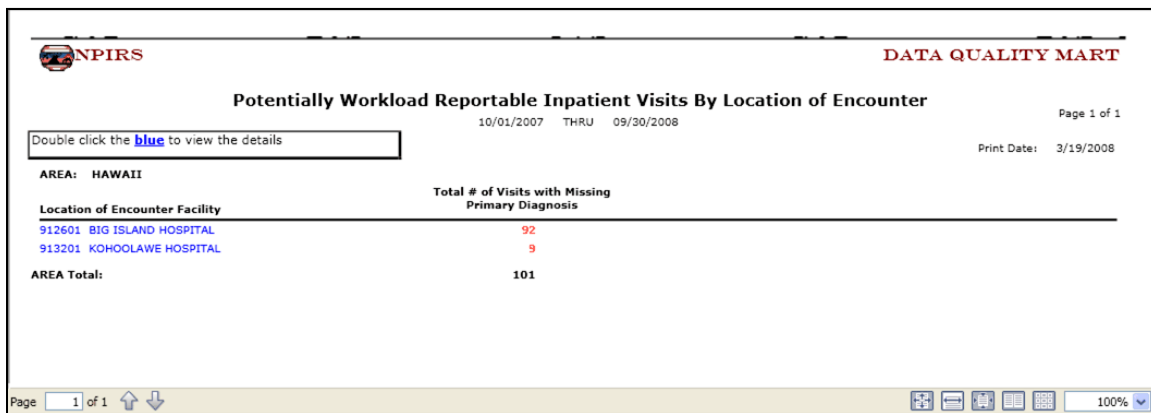

Figure 17 "DQM-WL2INP Potentially Workload Reportable Inpatient Visits"

Column Header	Description
Location of Encounter Facility	Location of encounter facility code and name.
Total # of Visits with Missing Primary Diagnosis	Total count of direct inpatient visits marked as not workload reportable because the primary diagnosis code is missing

Viewing Report Details

The detail view provides record-level identification of the problems, allowing corrective action. Double-clicking on any listed **Location of Encounter Facility** (blue font), displays the details of the selected report.

The following figure shows an example of a detailed view of the *'DQM-WL2INP Potentially Workload Reportable Inpatient Visits'* report.

Figure 18 "DQM-WL2INP Potentially Workload Reportable Inpatient Visits"

Column Header	Description
Exporting Facility	Code and name of facility exporting this visit record.
Encounter Code or Export Name	The unique encounter record identifier generated by the source system is displayed when available (HL7 and SFE files). The unique encounter code consists of the 5-digit exporting database identifier concatenated with zero filled IEN (Internal Entry Number) of the source system encounter record, and should allow record-level tracking (at the sending site) of these visits.
Primary Diagnosis	INVALID (red, bold font) indicates an invalid code. MISSING (red, bold font) indicates no code.
Admission Date	Admission date of the inpatient visit.
Discharge Date	Discharge date of the inpatient visit.