

Data Dictionaries in Collibra

As part of OHIA's Self-Service Offering, OHIA provides access to various data sets that we curate. Our Analytics Ready Data Sets are designed to be user friendly, with descriptive column names and a simple data model. There is a lot of information about these data sets (metadata) available in our Data Dictionaries in Collibra. They can help users find information regarding the data elements including; descriptions, data type, etc.

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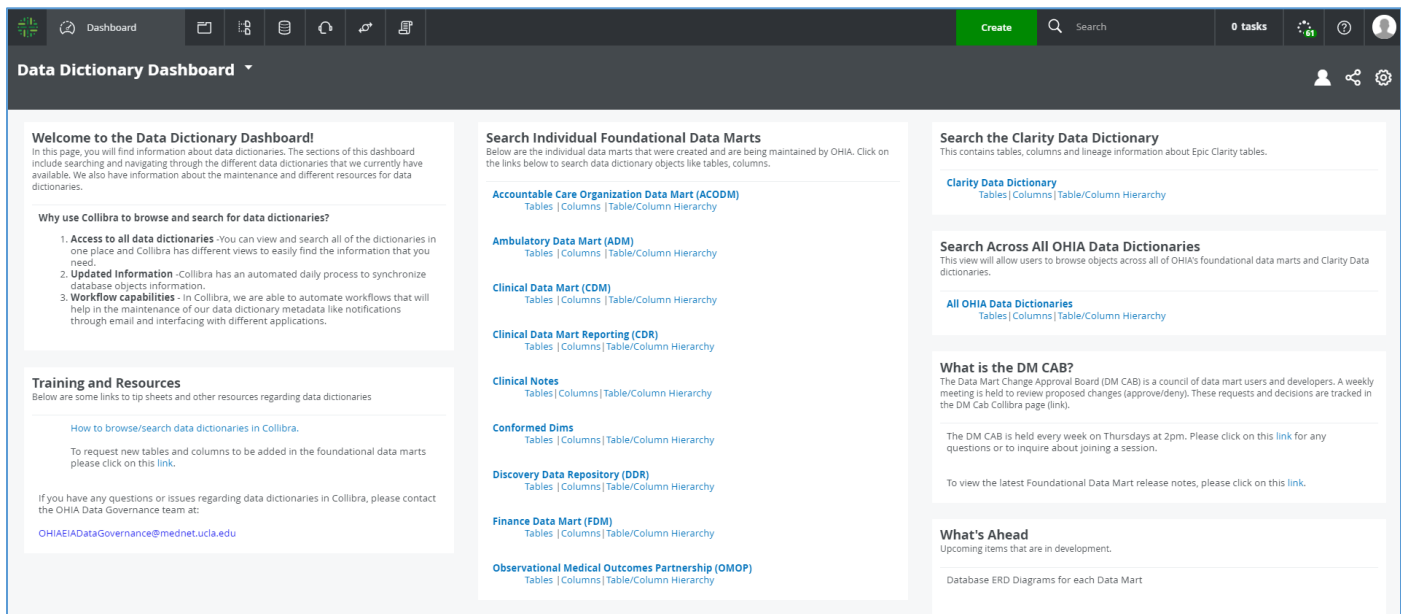
Why should you use OHIA's Data Dictionaries in Collibra?

1. Access to all data dictionaries – You can view and search all of the dictionaries in one place and Collibra has different views to easily find the information that you need.
2. Updated Information – Collibra has an automated daily process to synchronize database objects information so dictionaries always contain the most up-to-date information.
3. Workflow capabilities – Collibra is able to automate workflows that will help in the maintenance of our data dictionary metadata (i.e. notifications through email, and interfacing with different applications etc.)

The Data Dictionary Dashboard

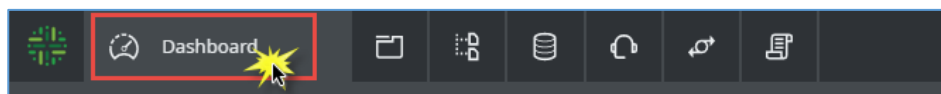
The Data Dictionary dashboard contains information about data dictionaries that are curated by OHIA. The sections of this dashboard include:

- Searching and navigating through specific data dictionaries or across them all,
- Training and resources for using the dashboard, and
- Processes for submitting enhancement requests.

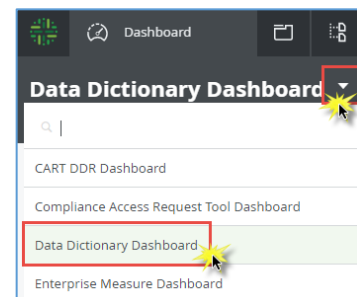


How to Access and Use the Data Dictionary Dashboard

1. Log in to Collibra at the following link: <https://uclahealth.collibra.com/>
2. Click on **Dashboard** from the main menu.



3. Click on the drop down and select **Data Dictionary Dashboard**.



4. In the center of the dashboard you will find the section of individual data marts.

Welcome to the Data Dictionary Dashboard!
In this page, you will find information about data dictionaries. The sections of this dashboard include searching and navigating through the different data dictionaries that we currently have available. We also have information about the maintenance and different resources for data dictionaries.

Why use Collibra to browse and search for data dictionaries?

- Access to all data dictionaries** - You can view and search all of the dictionaries in one place and Collibra has different views to easily find the information that you need.
- Updated Information** - Collibra has an automated daily process to synchronize database objects information.
- Workflow capabilities** - In Collibra, we are able to automate workflows that will help in the maintenance of our data dictionary metadata like notifications through email and interfacing with different applications.

Training and Resources
Below are some links to tip sheets and other resources regarding data dictionaries

[How to browse/search data dictionaries in Collibra.](#)

To request new tables and columns to be added in the foundational data marts please click on this [link](#).

If you have any questions or issues regarding data dictionaries in Collibra, please contact the OHIA Data Governance team at:
OHIAEIDataGovernance@mednet.ucla.edu

Search Individual Foundational Data Marts
Below are the individual data marts that were created and are being maintained by OHIA. Click on the links below to search data dictionary objects like tables, columns.

- Accountable Care Organization Data Mart (ACODM)**
[Tables](#) | [Columns](#) | [Table/Column Hierarchy](#)
- Ambulatory Data Mart (ADM)**
[Tables](#) | [Columns](#) | [Table/Column Hierarchy](#)
- Clinical Data Mart (CDM)**
[Tables](#) | [Columns](#) | [Table/Column Hierarchy](#)
- Clinical Data Mart Reporting (CDR)**
[Tables](#) | [Columns](#) | [Table/Column Hierarchy](#)
- Clinical Notes**
[Tables](#) | [Columns](#) | [Table/Column Hierarchy](#)
- Conformed Dims**
[Tables](#) | [Columns](#) | [Table/Column Hierarchy](#)
- Discovery Data Repository (DDR)**
[Tables](#) | [Columns](#) | [Table/Column Hierarchy](#)
- Finance Data Mart (FDM)**
[Tables](#) | [Columns](#) | [Table/Column Hierarchy](#)
- Observational Medical Outcomes Partnership (OMOP)**
[Tables](#) | [Columns](#) | [Table/Column Hierarchy](#)

Search the Clarity Data Dictionary
This contains tables, columns and lineage information about Epic Clarity tables.

Clarity Data Dictionary
[Tables](#) | [Columns](#) | [Table/Column Hierarchy](#)

Search Across All OHIA Data Dictionaries
This view will allow users to browse objects across all of OHIA's foundational data marts and Clarity Data dictionaries.

All OHIA Data Dictionaries
[Tables](#) | [Columns](#) | [Table/Column Hierarchy](#)

What is the DM CAB?
The Data Mart Change Approval Board (DM CAB) is a council of data mart users and developers. A weekly meeting is held to review proposed changes (approve/deny). These requests and decisions are tracked in the DM Cab Collibra page ([link](#)).

The DM CAB is held every week on Thursdays at 2pm. Please click on this [link](#) for any questions or to inquire about joining a session.

To view the latest Foundational Data Mart release notes, please click on this [link](#).

What's Ahead
Upcoming items that are in development.

Database ERD Diagrams for each Data Mart

5. You can find additional information about any of the data marts by clicking on the name of the data mart. This will display the description and additional information available about the data set. The menu items below that will bring you to different views of the data dictionary asset page.

Clinical Data Mart (CDM)
[Tables](#) | [Columns](#) | [Table/Column Hierarchy](#)

a b c

UCLA Health Enterprise > OHIA Enterprise > OHIA Data Dictionary Library

OHIA Clinical Data Mart
Type: Physical Data Dictionary ⓘ

> **Description**

The ClinicalDM is a datamart developed by OHIA containing outpatient and inpatient data.

ClinicalDM Refresh:

Validation Environment:
WEEKLY FULL -Sunday, 10PM*
*CDM_DiagnosisProblemFact retrieves Professional Billing (PB) Diagnoses

Production Environment:
WEEKLY FULL -Sunday, 10PM
DAILY INCREMENTAL -Mo to Thu, 10PM

a. Click on **Tables**, to find all tables in the data set.

UCLA Health Enterprise > OHIA Enterprise > OHIA Data Dictionary Library

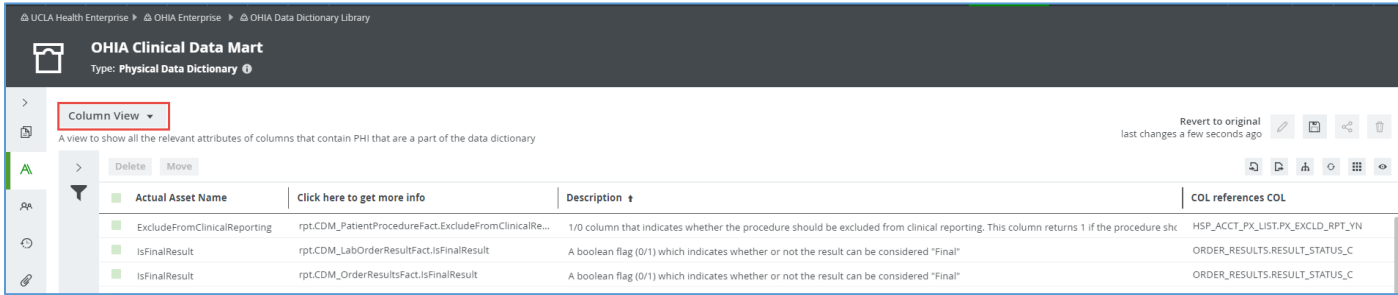
OHIA Clinical Data Mart
Type: Physical Data Dictionary ⓘ

> **Table View** ▾
This view displays the tables that are part of the Clinical Data Mart.

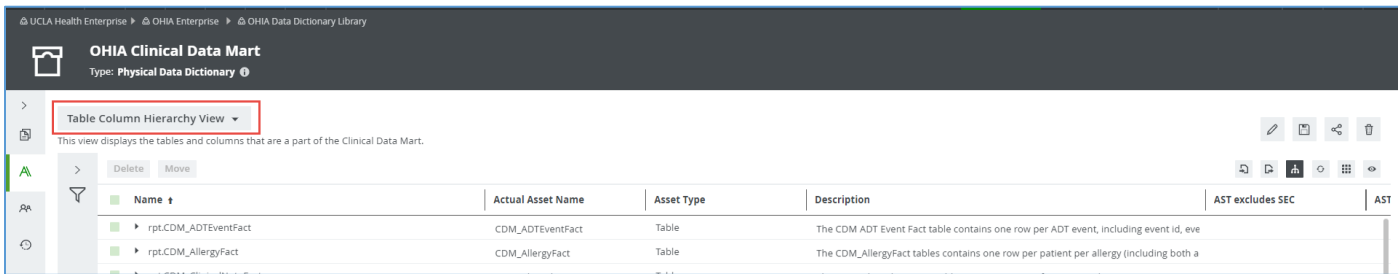
Delete Move

Actual Asset Name	Click on the link below to get more info ↗	Description	Granularity
CDM_TreatmentTeamFact	rpt.CDM_TreatmentTeamFact	The CDM_TreatmentTeamFact table contains one row for every treatment team member on an encounter. There are multiple lines (i	One row per treatment team member
CDM_SurgeryProcedureFact	rpt.CDM_SurgeryProcedureFact	The CDM_SurgeryProcedureFact table contains all the procedures attached to a case. The grain for this table is one surgery procedur	One surgery procedure (Scheduled or
CDM_SurgeryCaseStaffFact	rpt.CDM_SurgeryCaseStaffFact	The CDM_SurgeryCaseStaffFact table gathers ALL staff participating in each OR case, including anesthesiology. The grain is each staff	One row per staff member associated

b. Click on **Columns**, to find all columns in the data set.

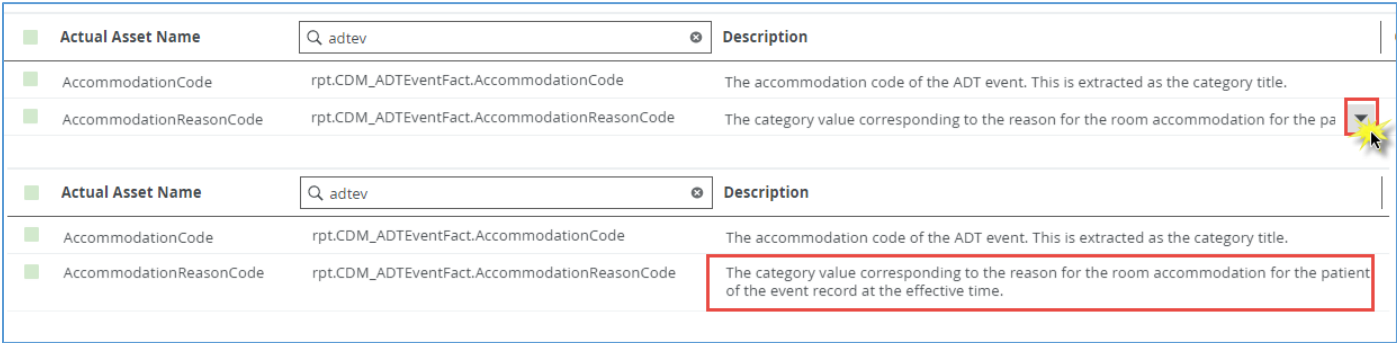


c. Click on **Table/Column Hierarchy**, to find a view of the hierarchy of tables and columns.

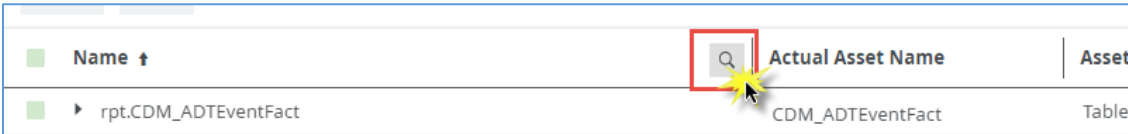


6. You can:

a. Expand any of the cells by clicking the  icon in the bottom right corner of the cell,



b. Filter on any of the columns by hovering on the column header and clicking on the magnifying glass icon, or



- c. Enter a keyword to filter and show all of the objects with the keyword you entered.

<input type="text" value="charge"/>	Click here to get more info	Description
ChargeAmount	rpt.CDM_MedicationDispenseFact.ChargeAmount	When a prescription is filled in an integrated pharmacy, a fill contact is created in the or...
ChargeStatusCode	rpt.CDM_MedicationDispenseFact.ChargeStatusCode	When a prescription is filled in an integrated pharmacy, a fill contact is created in the or...
DischargeDestinationCode	rpt.CDM_EncounterFact.DischargeDestinationCode	The category value corresponding to the discharge destination for this patient contact.
DischargeDispositionCode	rpt.CDM_EncounterFact.DischargeDispositionCode	The category value corresponding to the discharge disposition for this patient contact.
DischargePatientServiceCode	rpt.CDM_EncounterFact.DischargePatientServiceCode	The hospital service code associated with patient discharge.
DischargeProviderID	rpt.CDM_EncounterFact.DischargeProviderID	The unique ID of the provider who discharged the patient from this patient contact.
HospitalDischargeTime	rpt.CDM_EncounterFact.HospitalDischargeTime	The hospital discharge date and time for this patient contact.
TransplantCalculatedDischargeD	rpt.CDM_OrganTransplantFact.TransplantCalculatedDi...	

Sample Use Cases for the Data Dictionary Dashboard

Use Case #1: Searching tables and columns in a specific Data Dictionary

A developer needs to create a report that displays information about medications administered on patients including the site (location of administration in the body – arm, extremities, etc.)

1. In the Data Dictionary Dashboard, find the Data Dictionary that is relevant for your need.

- a. If you want to know more about the contents of each data mart, click on the name of the data mart and you will see the description section

2. The medication administration info that the developer needs could be found in the Clinical Data Mart. Let us explore the **Tables** view, click on **Tables**.

- Use the column headers to search (by clicking on the magnifying glass icon of the header name)

Actual Asset Name	Click on the link below to get more ...	Description
CDM_TreatmentTeamFact	rpt.CDM_TreatmentTeamFact	The CDM_TreatmentTeamFact table con

- Enter "medication" to display the relevant records. It looks like the table most relevant is "rpt.CDM_MedicationAdminstrationFact" based on the keyword search.

Table View		
This view displays the tables that are part of the Clinical Data Mart.		
>	Delete	Move
>	Actual Asset Name	Description
	CDM_MedicationOrderMixtureFact	rpt.CDM_MedicationOrderMixtureFact This table is used to extract ingredient medication information for mixture orders.
	CDM_MedicationOrderFact	rpt.CDM_MedicationOrderFact The CDM Medication Order Fact table contains medication orders at order level, including order id, patient encounter csn, order des-
	CDM_MedicationDispenseFact	rpt.CDM_MedicationDispenseFact The CDM Medication Dispense Fact table contains medication dispense data at dispense action level, including medication order id, i
	CDM_MedicationAdministrationFact	rpt.CDM_MedicationAdministrationFact The CDM Medication Administration Fact table contains medication administration data at administration action level, including medication order id, medication id and key, patient id & key, administration encounter csn id, administration time, administration action code, administration user id, dose, route, site, and unit code, department id, meds scanned flag, patient scanned compliance code, and encounter key.

- Click on the table to view the Tables asset page:

UCLA Health Enterprise > OHIA Enterprise > OHIA Data Dictionary Library > OHIA Clinical Data Mart		
TBL	rpt.CDM_MedicationAdministrationFact	
Type: Table	Status: Candidate	
>	SCH rpt > TBL rpt.CDM_MedicationAdministrationFact	
Description	The CDM Medication Administration Fact table contains medication administration data at administration action level, including medication order id, medication id and key, patient id & key, administration encounter csn id, administration time, administration action code, administration user id, dose, route, site, and unit code, department id, meds scanned flag, patient scanned compliance code, and encounter key.	
TBL contains COL Column		
Name	Domain	Description
rpt.CDM_MedicationAdministrationFact.Admin...	OHIA Clinical Data Mart	The unique ID of the user that took action on the administration.
rpt.CDM_MedicationAdministrationFact.Admin...	OHIA Clinical Data Mart	The MAR action category number associated with this administration.
rpt.CDM_MedicationAdministrationFact.Admin...	OHIA Clinical Data Mart	The unique ID of the department associated with this administration. A department is associated with an admi
rpt.CDM_MedicationAdministrationFact.Admin...	OHIA Clinical Data Mart	The dose value of the administration.
rpt.CDM_MedicationAdministrationFact.Admin...	OHIA Clinical Data Mart	The unique contact serial number for the encounter that was accessed to administer the medication. This nu
rpt.CDM_MedicationAdministrationFact.Admin...	OHIA Clinical Data Mart	The line count for the item.

- Since we are looking for a column that contains site location, we can search for "site" in the column header. This narrows our list down to "rpt.CDM_MedicationAdministrationFact.SiteCode" Click on the name of the column to navigate to the column asset page

Q site	Domain	Description
rpt.CDM_MedicationAdministrationFact.SiteCode	OHIA Clinical Data Mart	The site category number used for the administration.

- On the column asset page, you can find attributes like Description, Transformation Logic, Scale, Column references, etc.

The screenshot shows the 'COL rpt.CDM_MedicationAdministrationFact.SiteCode' page. The page header includes navigation links for UCLA Health Enterprise, OHIA Enterprise, OHIA Data Dictionary Library, and OHIA Clinical Data Mart. The page title is 'COL rpt.CDM_MedicationAdministrationFact.SiteCode' with a status of 'Implemented'. The left sidebar contains icons for various data dictionary objects. The main content area displays the following attributes:

- Actual Asset Name:** SiteCode
- Description:** The site category number used for the administration.
- Scale:** 0
- Data Type Precision:** 10
- Foreign Key Transformation Logic:** left outer join ConformedDims.DIM_NRI.CategoryDim on CategoryDim.TextCodeValue = CDM_MedicationAdministrationFact.SiteCode and CategoryDim.CategoryName = 'ZC_MAR_SITE'
- COL references:** A table listing columns and their references.

Name	Domain	Description	COL references INI
MAR_ADMIN_INFO.SITE_C	OHIA Clarity Data Dictionary	The site category number used for the administration.	ORD 11170
ZC_MAR_SITE.SITE_C	OHIA Clarity Data Dictionary		ECT 34010

Use Case #2: Searching objects across multiple Data Dictionaries

A developer needs to create a report that displays information about discharge dates. The developer is unfamiliar on where this information is within OHIA's different data marts.

- In the Data Dictionary Dashboard, find the **Search Across All OHIA Data Dictionaries** section and click on **Columns** under **All OHIA Data Dictionaries**.

The screenshot shows the 'Data Dictionary Dashboard' with a sidebar for navigation. The main content area is divided into several sections:

- Welcome to the Data Dictionary Dashboard!** - A welcome message and overview of the dashboard's purpose.
- Search Individual Foundational Data Marts** - A section listing various data marts with links to their respective pages.
- Search the Clarity Data Dictionary** - A section for searching within the Clarity Data Dictionary.
- Search Across All OHIA Data Dictionaries** - A section for searching across all OHIA data dictionaries. This section is highlighted with a red box, and the 'Columns' link under 'All OHIA Data Dictionaries' is highlighted with a yellow box.
- What is the DM CAB?** - A section explaining the Data Mart Change Approval Board (DM CAB).

2. Use the column headers to narrow your search by entering “dischargedate.” Once your list is filtered you can:
 - a. View which data mart the column is part of,
 - b. The full name of the column, and
 - c. Description of the column.
 - d. Once you find the column you need, you can click on the name of the column and it'll bring you to the asset page where attributes like Description, Transformation Logic, Scale, Column references, etc. are displayed

The screenshot shows the OHIA Data Dictionary interface. The search bar at the top contains the text "dischargedate". The results are displayed in a table with the following columns: Data Dictionary, Actual Asset Name, Description, and Technical Data Type. The table is filtered to show only columns containing "dischargedate".

Data Dictionary	Actual Asset Name	Description	Technical Data Type
ACODM Data Dictionary	DischargeDate	PopHealth.Cigna_ReceivedClaimFact.DischargeDate	DATE
ACODM Data Dictionary	DischargeDate	PopHealth.HealthNet_ReceivedClaimFact.DischargeDate	DATE
ACODM Data Dictionary	DischargeDate	PopHealth.HealthNet_ReceivedClaimProcedureFact.DischargeDate	DATE
ACODM Data Dictionary	DischargeDate	PopHealth.Cigna_ReceivedClaimProcedureFact.DischargeDate	DATE
Finance Data Mart Data Dictionary	DischargeDate	rpt.MCReferralAuthDenyCloseDetail.DischargeDate	DATETIME
Finance Data Mart Data Dictionary	DischargeDate	FDM_NRI.HBAccounts.DischargeDate	DATE
Finance Data Mart Data Dictionary	DischargeDate	rpt.HBTransactions.DischargeDate	DATE
Finance Data Mart Data Dictionary	DischargeDate	MC_ALL.MCReferralAll.DischargeDate	DATETIME
Finance Data Mart Data Dictionary	DischargeDate	FDM_NRI.MCReferralAll.DischargeDate	DATETIME
Finance Data Mart Data Dictionary	DischargeDate	FDM_NRI.HBAccounts.DischargeDate	DATE
Finance Data Mart Data Dictionary	DischargeDate	rpt.HBAccounts.DischargeDateKey	bigint
Finance Data Mart Data Dictionary	DischargeDate	rpt.MCReferralAll.DischargeDate	DATETIME
Finance Data Mart Data Dictionary	DischargeDate	rpt.HBAccounts.DischargeDate	DATE
Finance Data Mart Data Dictionary	DischargeDate	rpt.MCReferralAll.DischargeDate	DATETIME
Finance Data Mart Data Dictionary	DischargeDate	rpt.MCReferralDetail.DischargeDate	datetime2
Finance Data Mart Data Dictionary	DischargeDate	FDM_NRI.MCReferralAuthDenyCloseDetail.DischargeDate	DATETIME
Finance Data Mart Data Dictionary	DischargeDate	MC_ALL.MCReferralAuthDenyCloseDetail.DischargeDate	DATETIME
Finance Data Mart Data Dictionary	DischargeDate	FDM_NRI.HBTransactions.DischargeDate	DATE

Questions/Comments

For any questions or comments, please reach out to the OHIA EIA Data Governance Team by emailing the following address: OHIAEIADataGovernance@mednet.ucla.edu.