Data Dictionary & Search Tools

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Reference Page
Reference → Search Data Dictionary
For the majority of users this will be the mechanism to find a reference for the data element including the location. The user can enter in multiple search terms, separated by commas. This is not a sophisticated search engine; it will return all results that have the search term, regardless of location in the data. The term will be searched for in all data element names, descriptions, technical descriptions, and caveats. The search is not case sensitive. Results are ordered by Column name, Table Name, Schema name, and then database name.

Default Basic Search

From the Basic Search – you can limit your search by data source.

1. **Data Library - SQL data repository Proper DWH Proper** – FSI Data warehouse database. Home grown data warehouse extracts including hospital encounter data from Trendstar/MPA, Physician Practice, HEFM, HEMM, SRC/Axiom and Star Activity Analysis data.
2. **MPA Proper** – McKesson Performance Analytics data. This system is considered the hospital data warehouse and includes data from Star and HEFM as well as costing data.
3. **GDDS Proper (external)** – Georgia Discharge Data System. Hospital data required by the state submitted to the Georgia Hospital Association. Commonly referred to as competitive database.

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Advance Option Search

The Advance Search options allow the user to limit the search to only column names, Table names, Schema names or Database names.

Search Results for charge

Search results include the data element Name, type of data element, user entered Description, user entered Technical Description, user entered Caveat, and the data path to locate the data element in the database. There are 25 results per page, with paging options at the top and bottom of the results section.

Data Path – See Data Dictionary Editor below for a better understanding of how the data is structured.

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Data Dictionary Editor – Database data elements

This is a list of existing SQL Server databases for the FSI group.
Use Edit and Delete controls in grid view below to modify existing databases.

	Name of Database	Description	Technical Desc.	Caveat(s)	Owner	Access	Term Last Updated
Edit	DAA	Daily Activity Analysis Data Mart	Daily Hospital Based Charges by Posting Date		IT		Jul 09, 2013
Edit	DWH	FSI Data Warehouse			FSI		Jul 15, 2013
Edit	NHDW	FSI Data Warehouse in development to eventually replace DWH			FSI		Aug 26, 2013
Edit	ODS	FSI Original Data Source used to load source data into the data warehouse			FSI		Aug 26, 2013

MPA Proper data

	Name of Database	Description	Technical Desc.	Caveat(s)	Owner	Access	Term Last Updated
Edit	MPA	MPA Proper	MPA data	Data resides in DWH database but is a special group of data	FSI		Sep 25 2013 4:00PM

Terms & Definitions
All Pages
Description - Explanation of what the data element is. (Editable)
Technical Desc. - Explanation of any logic or formulas that maybe applied to the data element. (Editable)
Caveat(s) - Any limitations of the data element that need to be highlighted. (Editable)
Owner - Data element steward. (Editable)
Access - Any limitations on access to the data element. (Editable)
Term Last Updated - Date that the data element was last updated. (System Generated)
Database specific
Name of Database - Name pulled directly from SQL Server database. (System Generated)

Schema specific
Schema - A logical grouping of tables in the database. (System Generated)
# of Tables - The number of tables and views in the schema. (System Generated)

Table specific
Table Name - Name of the Table or view. (System Generated)
# of Columns - Number of columns in the table or view. (System Generated)
Type - Base Table or View. (System Generated)

Column specific
Column Name - Name of the column. (System Generated)
Column Order - Ordinal location of the column in the database. (System Generated)
Data Type - Data type of the column in the database. (System Generated)
Size - Data element size, if available. (System Generated)
Default Value - Default size of the data element. (System Generated)
Nullable - If the data element is allowed to be NULL, without data. (System Generated)
Key(s) - Keys allow a database to perform efficiently. While there are several types of keys, this tool does not differentiate between the types. (System Generated)

The Data Dictionary Editor is available to all users but only FSI staff members can access the edit button to make additions to the dictionary. On the first page are the available data areas at the database level. MPA proper is segregated out from the rest of the databases because a DWH MPA database will be developed at a future date.
Below the databases are Terms & Definitions for the data editor and a few examples of data elements.

Terms & Definitions
All Pages
Description - Explanation of what the data element is. (Editable)
Technical Desc. - Explanation of any logic or formulas that maybe applied to the data element. (Editable)
Caveat(s) - Any limitations of the data element that need to be highlighted. (Editable)
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Term Last Updated – Date that the data element was last updated. (System Generated)

Database Specific
Name of Database - Name pulled directly from SQL Server database. (System Generated)

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<u>Schema Specific</u>
Schema - A logical grouping of tables and views in the database. (System Generated)
# of Tables - The number of tables and views in the schema. (System Generated)

<u>Table Specific</u>
Table Name - Name of the Table or view. (System Generated)
# of Columns - Number of columns in the table or view. (System Generated)
Type - Base Table or View. (System Generated)

<u>Column Specific</u>
Column Name - Name of the column. (System Generated)
Column Order - Ordinal location of the column in the database. (System Generated)
Data Type - Data type of the column in the database. (System Generated)
Size - Data element size, if available. (System Generated)
Default Value - Default value of the data element. (System Generated)
Nullable – If the data element is allowed to be NULL, without data. (System Generated)
Key(s) – Keys allow a database to perform efficiently. While there are several types of keys, this tool does not differentiate between the types. (System Generated)

Example:
Name of Database – DWH
Description – FSI Data Warehouse

Schema - MD2
Description - Physician Practice billing repository with extended data
Caveat(s) - Excludes MMIS, and practices maintained in MD
# of Tables - 15
Owner- FSI

Table - Charges
Description - Charges level detail data.
Technical Desc. -Charges made to the groups
# of Columns - 52
Owner - Practice Billing Systems
Type - BASE TABLE

Column Name - BillingEntity
Description - Entity responsible for the joint billing activities for one or more providers to the served users. BillingEntity should represent the billing entity or source system that the charge will be billed out of.
Technical Desc. - For GCS - [NSH] = STAR and [NSH CIP] = Nexgen
Caveat(s) - 1 - [NSH] is STAR billed by Northsides Business Office, [NSH CIPS] is Nextgen billed by GCS. 2 - If BillingEntity is NSH the charge amount should be $0.00. This is not always true especially for older charges where mistakes were made. If we find non-$0 charges in future loads, GCS needs to be notified to evaluate. She would have to explain why non-$0 charges appear on NSH flagged BillingEntity records. 3 - This field should be equivalent to the Business Office's definition of Technical (billed by STAR) vs Profee (billed by NextGen).
Column Order - 21
Data Type - varcahr
Size - 10
Nullable – Yes

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Users can click on the name of the database to drill down to the available schemas contained within the database.

At the database level the data elements are:
Name of Database, Description[*], Technical Description[*], Caveat(s) [*], Owner[*], Access[*] and Updated.

At the Schema level the data elements are:
Schema, Description[*], Technical Description[*], Caveat(s) [*], # of Tables, Owner[*], Access[*], Updated.

At the Table level the data elements are:
Table Name, Description[*], Technical Description[*], Caveat(s)[*], # of Columns, Owner[*], Access[*], Type, and Updated.

At the Column level the data elements are:
Column Name, Description[*], Technical Description[*], Caveat(s) [*], Column Order, Data Type, Size, Default Value, Nullable, Key(s), Owner[*], Access[*], Updated.

> [*] Editable data, all other data is generated by the database.

Schema Data elements

Northside Hospital Finance Division

FSI Help Desk | NSH Intranet

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User Name: ___ Password: ___ ☐ Remember Me Log in

Home > Reference > Data Dictionary

[Return to Database list]

Existing SQL Server information for the following:
Database: **DWH: FSI Data Warehouse**
Use Edit and Delete controls in grid view below to modify existing schemas.

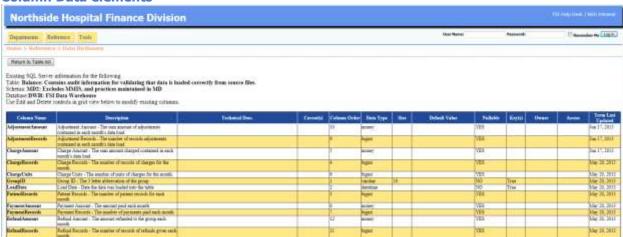| Schema	Description	Technical Desc.	Caveat(s)	# of Tables	Owner	Access	Term Last Updated
Axios				8			Jul 31, 2013
BI				2			
DAA				2			
dbo	data tables that apply to multiple areas		some tables will be moved to the Reference schema	13	FSI		Jun 13, 2013
DOC	Data dictionary schema			4	FSI	read only access to all, read write limited to FSI	Jun 14, 2013
Grants	tables that support time effort allocation of grants to the GL			2	Grants Coordinator		Jun 13, 2013
Greenway	CPNA data tables from their EMR system		May be discontinued or replaced in the future	7	CPNA		Jun 13, 2013
HEFM	Horizon Enterprise Financial Management	Contains select GL level tables, including AP, Fixed Assets and Projects		26	Accounting		Jun 13, 2013
HEMM	Horizon Enterprise Materials Management	Contains select Materials Management data tables, including AP, purchase orders, invoices and vendors		18	Materials Management		Jun 13, 2013
MD	Physician Practice billing repository		Excludes MMIS, ACC and GCS and will be discontinued as it moves to MD2	30	FSI		Jun 13, 2013
MD2	Physician Practice billing repository with extended data		Excludes MMIS, and practices maintained in MD	11	FSI		Jun 13, 2013
MMIS	McKesson Physician Practice billing repository		Will only be maintained until all claims have been collected	46	McKesson Revenue Management Services		Jun 13, 2013
MPA				3			
ProFee				4			
Reference	lookup tables for data that applies to multiple areas			13	FSI		Jun 13, 2013
RX	Oncology supply services data sets			5			Jun 13, 2013
SRC	Operating Budget system active through FY13		Axios replaces budget system starting with FY2014	6	FP&A		Jun 13, 2013
STAR	transfer transaction tables used to populate patient types in DAA to tie to the GL			7	FSI		Jun 13, 2013
TSTAR	Trendstar		will be replaced by MPA in August	60	FSI		Jun 13, 2013

From the Schema level the user can continue to drill down to the tables contained in the schema area or return to the database level. Note that the name of the current database is above the results in bold. In addition to the user entered data there is also the number of tables contained in the schema.

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Table data elements

Existing SQL Server information for the following
Schema: **MD2: Excludes MMIS, and practices maintained in MD**
Database:**DWH: FSI Data Warehouse**
Use Edit and Delete controls in grid view below to modify existing tables.

Table Name	Description	Technical Desc.	Caveat(s)	# of Columns	Owner	Access	Type	Term Last Updated
ACCClaims	ACC Claims	Claims made in the ACC private practice		13	FSI		BASE TABLE	Jun 14, 2013
Adjustments	Adjustments level detail data.	Adjustments made to the encounters at the facilities		12	Practice Billing Systems		BASE TABLE	Jun 17, 2013
Balance	Balance table contains audit information	Contains audit information for validating that data is loaded correctly from source files.		13	FSI		BASE TABLE	Jun 17, 2013
Charges	Charges level detail data.	Charges made to the groups		52	Practice Billing Systems		BASE TABLE	Jun 17, 2013
Encounters	Encounters represents a unique visit by patient, date of service and location.	The table where the patient physician encounters are kept.		12	Practice Billing Systems		BASE TABLE	Jun 17, 2013
GCS_CPT_Modality_LU							BASE TABLE	
GCSProviders	GCS Providers	List of all GCS Providers		3	FSI		BASE TABLE	Jun 14, 2013
NSHProfee	Northside Hospital Pro Fee	Northside Hospital professional billing information		12	FSI		BASE TABLE	Jun 14, 2013
Patients	Patients level detail data.	Patient information		34	Practice Billing Systems		BASE TABLE	Jun 17, 2013
Payments	Payments level detail data.	Payments level transactions for practices, groups and affiliates		11	Practice Billing Systems		BASE TABLE	Jun 17, 2013
PayerMapping	Lookup table for payer to payer group	Lookup table for payer to payer group		6	Practice Billing Systems		BASE TABLE	Jun 17, 2013
Payers	Payers - Insurance plan details.			21	Practice Billing Systems		BASE TABLE	Jun 17, 2013
Profee	Pro Fee			12	FSI		BASE TABLE	Jun 14, 2013
Transaction_View	Transaction View			80	FSI		VIEW	Jun 14, 2013
Utilization_View	Utilization View			79	FSI		VIEW	Jun 14, 2013

From the Table level the user can continue to drill down to the column specific data elements or return to the Schema level. Note that the current Database and schema area that the table resides in are highlighted above in bold. # of columns denotes the total number of columns contained in the table. There are two types of elements that SQL server considers table data elements; Base Table and View. A base table is a structured table of persistent data within the schema. A view is a compiled query from a base table's data. Base tables require physical storage space on the server while views reside only in memory.

Column Data elements

Existing SQL Server information for the following
Table: Balance: Contains audit information for validating that data is loaded correctly from source files.
Schema: MD2: Excludes MMIS, and practices maintained in MD
Database:DWH: FSI Data Warehouse
Use Edit and Delete controls in grid view below to modify existing columns.

Column Name	Description	Technical Desc.	Caveat(s)	Column Order	Data Type	Size	Default Value	Nullable	Key(s)	Owner	Access	Term Last Updated
AdjustmentAmount	Adjustment Amount - The sum amount of adjustments contained in each month's data load.			13	money			YES				Jun 17, 2013
AdjustmentRecords	Adjustment Records - The number of records adjustments contained in each month's data load.			9	bigint			YES				Jun 17, 2013
ChargeAmount	Charge Amount - The sum amount charged contained in each month's data load.			7	money			YES				Jun 17, 2013
ChargeRecords	Charge Records - The number of records of charges for the month.			4	bigint			YES				May 20, 2013
ChargeUnits	Charge Units - The number of units of charges for the month.			6	bigint			YES				May 20, 2013
GroupID	Group ID - The 3 letter abbreviation of the group			1	varchar	10		NO	True			May 20, 2013
LoadDate	Load Date - Date the data was loaded into the table			2	datetime			NO	True			May 20, 2013
PatientRecords	Patient Records - The number of patient records for each month			3	bigint			YES				May 20, 2013
PaymentAmount	Payment Amount - The amount paid each month			8	money			YES				May 20, 2013
PaymentRecords	Payment Records - The number of payments paid each month			10	bigint			YES				May 20, 2013
RefundAmount	Refund Amount - The amount refunded to the group each month			12	money			YES				May 20, 2013
RefundRecords	Refund Records - The number of records of refunds given each month			11	bigint			YES				May 20, 2013

From the column level the user can return to the table level. Note that the current Database, Schema and table name are all above in bold. Column order is the ordinal location in the table, useful when looking directly in the database. Data Type and size are the transact-SQL data type with the appropriate size limitations. If the database has a default value then it will appear otherwise the column is blank. If a column is not nullable then the database must have a value for that element otherwise the data cannot be entered into the table. Key(s) allow a database to function more efficiently. If a column is a key column then it both is unique and cannot be duplicated in the table or it is required to already exist in

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another table. This tool does not differentiate between these two types of keys, it only informs the user that the data element is a key column or not.

Edit function

The ability to edit data in the dictionary is limited to certain users. Once the user is logged in, using their Northside employee network log in, the edit link appears. By clicking on the edit link the editable fields in that data element will change from labels to textboxes.

Editing

Once the desired data is entered click Update or Cancel and the information will be ignored.