CDW Metadata Resources for Researchers Beginning to Use CDW Data

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VA Information Resource Center

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VIReC

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- Everyone who sends their great questions to the VIReC Help Desk
- All the generous contributors to HSRData listserv

Objectives

- Provide resources to help you

    - identify the Corporate Data Warehouse (CDW) data elements you need

    - find detailed information about those CDW data elements

- Contacts + support

- Answer questions

Topics

How to find the answers to questions like:

1. How do I even find out what's in the CDW?

2. I've been using MedSAS data. Which CDW data elements should I use?

3. Is Scrambled SSN available in the CDW?

4. The Outpatient MedSAS variable I'm looking for isn't in the CDW. Why not?

Topics (more)

5. I've been using the DSS National Data Extracts (NDEs). How can I find the names of equivalent variables in the CDW DSS data?

6. Do the Vital Signs data include pain scores?

7. What is a Health Factor?

Topics (more)

8. Can you use Health Factors to determine a veteran's smoking status?

9. Where can I find a list of the surveys and tests included in the CDW's Mental Health data?

10. What's the best data element for identifying lab tests in the CDW data?

Tip

- No one resource can answer all CDW data questions.

- Each resource contains a piece of the puzzle.

Tip

- Metadata for the CDW is located almost solely on the VA Intranet, behind the VA firewall.
- Links for the resources mentioned in this presentation are on a slide at the end of the presentation.

Poll Question #1

- What is your role with regard to VA data?
  - Research investigator
  - Research programmer/statistician/project management
  - Research other
  - Operations
  - Other

Poll Question #2

- How much CDW data have you analyzed?
  - Lots
  - Some
  - A little
  - None. We're just getting started.

1. How do I even find out what's in the CDW?

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VHA Corporate Data Warehouse (CDW)

Overview

The Veterans Health Administration (VHA) Corporate Data Warehouse (CDW) is a national repository of data from VistA and several other VHA clinical and administrative systems. The CDW is physically located at the Austin Information Technology Center.

The CDW is a relational database organized into a collection of data domains. Domains represent logically or conceptually related sets of data tables. Domain themes generally indicate the application in the VistA electronic health record system from which most of the data elements in the domain come (e.g., Vital Signs or Mental Health Assessment).

Available Data

Data from October, 1999 to the present are available in CDW domains. CDW's SharePoint site provides an up-to-date list of available domains with some structural documentation in the Metadata Reports section.

CDW data domains are classified as either production or raw. CDW production data domains contain data uploaded from VistA through the Regional Data Warehouses. No filtering of records, editing of content or business rules have been applied to these data. Raw data domains reflect the source system structure (VistA) and are not modeled, standardized, or indexed. Tables in production domains have been structured to support flexibility of queries.

Access

The method researchers use to request data access depends on the use of the data and the data

CDW

- Overview
- Data Transition to CDW
- Documentation

General Resources

- Data Access
- Data Sources
- Data Topics
- Products & Services

VA Corporate Data Warehouse (CDW)

A VIReC Resource Guide

VA Information Resource Center (VIReC)
June 2012

VIReC Resource Guide for the CDW

Topic
CDW Description
Data Currently Available
Research Utility- Data Quality
Research Utility- Strengths
Research Utility- Limitations
CDW Documentation
Additional Resources

VIReC Resource Guide for the CDW

CDW is
- an SQL relational database
- organized into data domains.
  - Each domain is a set of fact tables and dimension tables with a common theme
    - Usually theme = source VistA application
  - Data domains are categorized as "Production" or "Raw."

VIReC Resource Guide for the CDW

- Documentation for Production (CDW-Prod)domains and Raw (CDW-Raw) domains are stored in different places on the CDW Intranet site.
- Documentation for Decision Support System (DSS) National Data Extracts is located with the CDW Raw documentation.

CDW User Manual

Manual for Data Warehouse Customers
Policies, Guidelines and Best Practices *

Contents

- Find this guide on the Tech Team tab of the CDW SharePoint site on the VA Intranet.
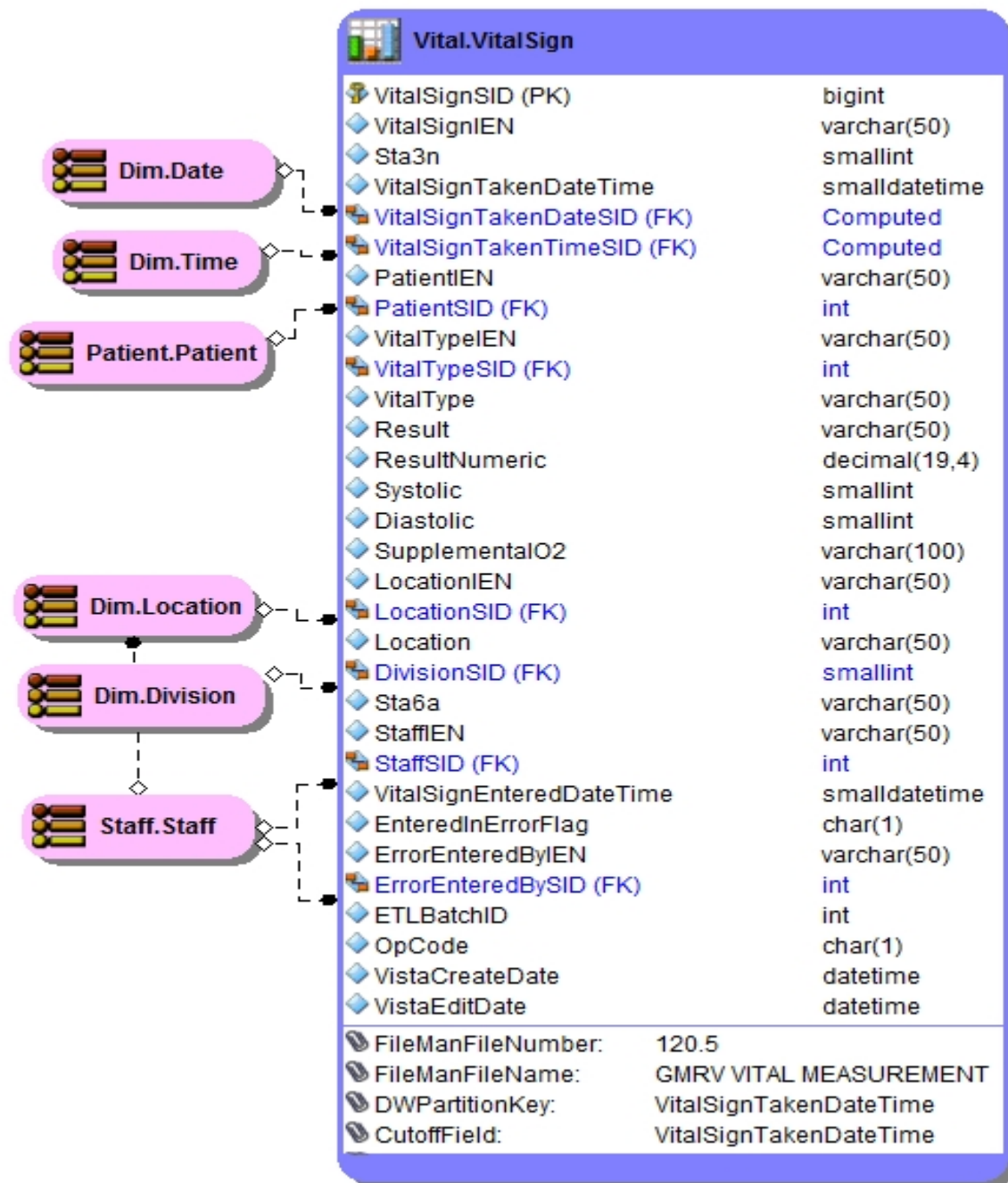
CDW SharePoint site: Metadata Report

Metadata for Production domains only

- Lists domain specifications such as
  - Domain model (the Entity Relationship model)
  - Table names
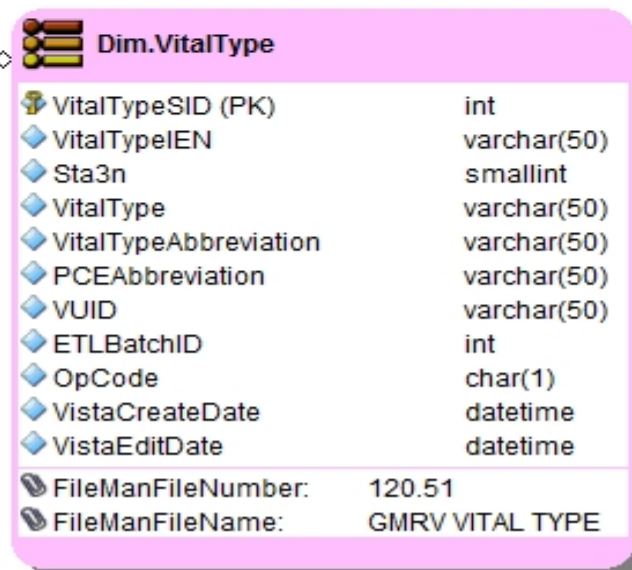 - VistA source file(s)
  - etc.

CDW SharePoint site: Metadata Report

- Lists table specifications such as
  - Field names, data type, length
  - Primary and Foreign key indicators
  - VistA source file and field
  - VistA field description
  - VistA field type
  - etc.

Vital.VitalSign

Field	Type
VitalSignSID (PK)	bigint
VitalSignIEN	varchar(50)
Sta3n	smallint
VitalSignTakenDateTime	smalldatetime
VitalSignTakenDateSID (FK)	Computed
VitalSignTakenTimeSID (FK)	Computed
PatientIEN	varchar(50)
PatientSID (FK)	int
VitalTypeIEN	varchar(50)
VitalTypeSID (FK)	int
VitalType	varchar(50)
Result	varchar(50)
ResultNumeric	decimal(19,4)
Systolic	smallint
Diastolic	smallint
SupplementalO2	varchar(100)
LocationIEN	varchar(50)
LocationSID (FK)	int
Location	varchar(50)
DivisionSID (FK)	smallint
Sta6a	varchar(50)
StaffIEN	varchar(50)
StaffSID (FK)	int
VitalSignEnteredDateTime	smalldatetime
EnteredInErrorFlag	char(1)
ErrorEnteredByIEN	varchar(50)
ErrorEnteredBySID (FK)	int
ETLBatchID	int
OpCode	char(1)
VistaCreateDate	datetime
VistaEditDate	datetime

FileManFileNumber:	120.5
FileManFileName:	GMRV VITAL MEASUREMENT
DWPartitionKey:	VitalSignTakenDateTime
CutoffField:	VitalSignTakenDateTime

Dim.Date

Dim.Time

Patient.Patient

Dim.Location

Dim.Division

Staff.Staff

Vital Signs Domain Entity Relationship (E/R) Model from the CDW Metadata Report

Data from 10/1/1999 to the present day is in the table. It is refreshed each night.

Dim.VitalType

Field	Type
VitalTypeSID (PK)	int
VitalTypeIEN	varchar(50)
Sta3n	smallint
VitalType	varchar(50)
VitalTypeAbbreviation	varchar(50)
PCEAbbreviation	varchar(50)
VUID	varchar(50)
ETLBatchID	int
OpCode	char(1)
VistaCreateDate	datetime
VistaEditDate	datetime

FileManFileNumber:	120.51
FileManFileName:	GMRV VITAL TYPE

CDW SharePoint site: CDW Raw

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DBA Team Task
Extraction Sched

Extraction Schedule (detailed schedule)

3/19/2013 10:47 AM – Steve Martin

Domain	Stakeholders	Schedule	Last Extract	Next Extract	Time	Size	Failures	Project Notes
Allergies v1 Schema: Allergies since Dec 2010	Mike.Wrobel@va.gov; Hamid.Saoudian@va.gov; Evan.Lott@va.gov; Samantha.Wright2@va.gov; matthew.lechtenberg@va.gov; Richard.Schaefer@va.gov;	Monday	03/11/13	03/18/13	2 hrs	157M recs 8 GB		PBM Perform extracts on same sched POC: Mike Wrobel
Beneficiary Travel (CBO) v2 Schema: Travel since Dec 2010	Larry.McNamara@va.gov; Rex.Gilmore@va.gov; Joseph.ErdosMD@va.gov; David.Riley3@va.gov; Paul.Perry@va.gov; Kathleen.Frisbee@va.gov; Aaron.Grinager@va.gov; Francis.Archer@va.gov;	1st & 3rd Wednesday each month	02/13/13	03/13/13	5 hrs	100M recs 42 GB		POC: Larry McNamara
Bill Claims (CBO) v6 AKA: Integrated Billing Schema: BillClaims since Oct 2010	Peter.Chang1@va.gov; Kathleen.Frisbee@va.gov; John.Derderian@va.gov; Michael.Smereka@va.gov; Robert.Justus@va.gov; Timothy.Borchert@va.gov; Cheryl.Strickland@va.gov; Julie.Baker4@va.gov; Regina.McCaskill@va.gov; Scot.Dingman@va.gov; Robert.Jacobs@va.gov; John.Quinn@va.gov; Karen.Burbage@va.gov; Steve.Richards@va.gov; Bruce.Foxe@va.gov;	On demand Weekend	2/19/13	Q2	weekends	1.6+ recs 214 GB Date ranged extracts	r2_v23_minneapolis_prod_618 Minneapolis upgrade to Caché 2012 scheduled for 3/23/13. All other sites had completed their upgrade by 2/9/2013.	3/18/13 - now requires Privilege 2013 Q1 extract of these tables 1. accounts_receivable_430 2. ar_transaction_433 3. billclaims_399 4. claims_tracking_356 5. claims_tracking_nonbilla_3 6. claims_tracking_type_356_1 7. explanation_of_benefits_36 8. ib_billclaims_prescripti_36 9. insurance_company_36 10. integrated_billing_action_3 11. patient_enrollment_27_11

CDW SharePoint site: DSS in CDW

- CDW DSS data are located on the CDW Raw server
- CDW consolidates DSS National Data Extract (NDE) files across years and VISNs
- DSS field names are standardized across years
- CDW DSS metadata are on the SharePoint's CDW Raw page – scroll to the bottom

NDE	fy05	fy06	fy07	fy08	fy09	fy10	fy11	fy12	fy13	Last Load (records)	Description
albcc	X	X	X	X	X	X	X	X	X	767,463	Account Level Budgeter
albhr	X	X	X	X							Account Level Budgeter Hours (ALBCC in 09)
char4								X	X	16,021,849	4 Character National Code (new in FY11)
disch	X	X	X	X	X	X	X	X	X	215,310	Discharge
ecs		X	X	X	X	X	X	X	X	9,095,254	Event Capture System
lar	X	X	X	X	X	X	X	X	X	82,385,654	Lab Results
noshow			X	X	X	X	X	X	X	1,846,130	No Show
obt			X	X	X	X	X	X	X	31,955	Observation Treating Specialty
ocred					X	X	X	X	X	13,754,023	Outpatient Credit Stop (new in FY09)
oipd	X	X	X	X	X	X	X	X	X	102,009,789	Outpatient Intermediate Product Dept
out	X	X	X	X	X	X	X	X	X	60,398,770	Outpatient
out2	X	X	X	X	X	X	X	X	X	1,975,834	Outpatient (zero cost encounters)
trt	X	X	X	X	X	X	X	X	X	388,252	Treating Specialty
trtipd	X	X	X	X	X	X	X	X	X	5,850,146	Treating Specialty Intermediate Product Dept
ward			X	X	X	X	X	X	X	460,883	Inpatient Ward Segments
Annual Updates											
ddc			X	X	X	X	X	X	X	870,812	Denver Distribution Center
lab	X	X	X	X	X	X	X	X	X	64,992,860	Lab
pha	X	X	X	X	X	X	X	X	X	53,207,780	Pharmacy
rad	X	X	X	X	X	X	X	X	X	2,250,963	Radiology
rai			X	X	X	X	X	X	X	42,649	Resident Assessment Index
sua				X	X	X	X	X	X	15,912	Surgery Aborted/Cancelled Cases
sur				X	X	X	X	X	X	546,485	Surgery
Annual Updates											
attend			X				X	X			Attending Physician Workload

CDW Data Profiling Domain

- Descriptive statistics for Production domains
  - Record counts
  - Null counts
  - Frequencies for discrete variables
- Requires CDW access; not available for research purposes
  - Submit a preparatory to research request to Data Access Request Tracker (DART)

Coming soon to the VIReC site

- Record Counts, Null Counts and Discrete Variable Frequencies for every table in the CDW Production domains

- Produced by querying the CDW Data Profiling domain

- Access to the CDW not required to see this summary data

Coming soon to the VIReC site

- Sample rows of data: 20 randomly selected records from each table in the Production domains

- De-identified/No personal identifiers/dates appear as YYYY-MM-DD HH:MM:SS

- Access to the CDW not required to see this summary data

2. I've been using the MedSAS data. Which CDW data elements should I use?

CDW SharePoint site: SAS XWalk

- See SAS XWalk on the SharePoint's NDS page, see the left banner
- Enter a SAS variable name in the textbox provided, select SAS, crosswalk displays the CDW field name in the T-SQL column
- SAS XWalk currently covers MedSAS Outpatient files

CDW SharePoint site: SAS XWalk

CDW SharePoint site: Metadata Report

- See CDW Metadata report for
  - Primary Key info
  - Foreign Key info
  - Field Description
  - more

CDW Metadata Report- selected columns

Table Name	Field Name	Field Datatype	Field Length	Vista File ⬍	Vista Field
VDiagnosis	ICDIEN	varchar(50)	50	V POV (9000010.07)	POV (.01)

Primary Key	Foreign Key	Vista Field Description	Vista Field Type	Vista File Pointed To
N	N	POV is an abbreviation for "Purpose of Visit". Since Purpose of Visit isoften confused with "Chief complaint", another abbreviation might betterbe "Problem of Visit". This is the Provider's conclusion about what wastreated at the visit. The Provider should be able to indicate a preferrednarrative for what was treated and an ICD Diagnosis code. If the problemtreated is from the Problem List, then the problem list entry informationcan be used for the "Problem of Visit" entry. The provider canalternatively have this information automatically captured via scannedEncounter Forms (e.g., AICS - the VA's Encounter Form Data Capturepackage). At VA facilites, the ICD Diagnosis is screened by Inactive Code and itmust be appropriate for the Patient's age and sex. At IHS facilities, the ICD Diagnosis is screened by Inactive Code,appropriate for the Patient's age and sex, and Not "E" codes.	Pointer	80

3. Is Scrambled SSN available in the CDW?

CDW SharePoint site: SAS XWalk
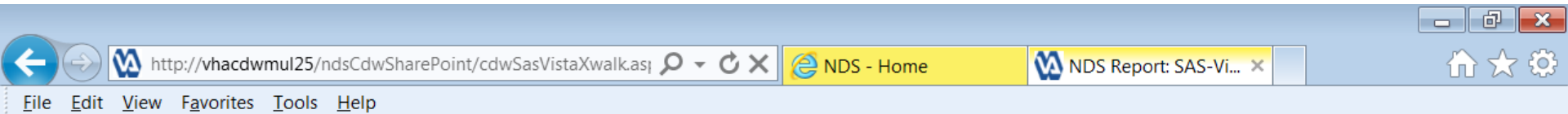
NDS Report: SAS-VistA-CDW Crosswalk - 1000 rows max returned

Select: ▼   or enter a **SasField name** or **CdwColumn name** = `SCRSSN`   [SAS]   [CDW]

SasFile	SasField	SasFieldFormat	SasFieldDescription	VistAFile	VistAField	CdwTable	CdwColumn	T-SQL
SAS IE	SCRSSN	SSN11.	SCRAMBLED SSN		No Code Equivalent in VistA			SPatient.SPatient.ScrSSN
SAS SE	SCRSSN	SSN11.	SCRAMBLED SSN		No Code Equivalent in VistA			SPatient.SPatient.ScrSSN
SAS SE	SCRSSN	SSN11.	SCRAMBLED SSN	Patient	ScrSSN			SPatient.SPatient.ScrSSN
SAS SE	SCRSSN	SSN11.	SCRAMBLED SSN	No Code Equivalent in VistA	ScrSSN			SPatient.SPatient.ScrSSN
SAS SF	SCRSSN	SSN11.	SCRAMBLED SSN		No Code Equivalent in VistA			SPatient.SPatient.ScrSSN

Tip regarding SCRSSN

- CDW uses is the same SCRSSN as is used in the MedSAS and other VA databases

4. The Outpatient MedSAS variable I'm looking for isn't in the CDW. Why not?

VIReC Research User Guides

- MedSAS includes some elements calculated from Vista data.

- In the VIReC Research User Guide for MedSAS data, in the one-page variable description for your target variable, the VistA data source will say "Derived".

VIReC Research User Guides

Extracted from the VIReC Guide for Fiscal Year 2009 VHA Medical SAS Outpatient Datasets and Inpatient Encounters Dataset:

Variable Name: NCPTTOT

Definition: Total Number of CPT codes for one encounter

Variable Availability in Medical SAS® datasets:

Event FY2005 – to date;

Inpatient Encounters FY2005 – to date

VistA Data Source: Derived

5. I've been using the DSS National Data Extracts (NDEs). How can I find the names of equivalent variables in the CDW DSS data?

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Search

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DECISION SUPPORT SYSTEM

National Reporting

National Data Extracts & Reporting Information

NDE (National Data Extract) Technical Guide

DSS Processing & NDE Pull Schedule FY 2013
DSS NDE Technical Guide September 2011
DSS NDE Metadata FY2012
DSS NDE Layout Specifications FY 2012

The links above provide the most recent versions available for DSS NDE documentation. The 'DSS NDE Layout Specifications FY 2012' spreadsheet contains the very latest field specifications for all DSS NDEs, including all FY 2012 updates. The 'DSS NDE Metadata FY 2012' spreadsheet mirrors the layout spec spreadsheet but includes the detailed descriptions and source information for all the fields, also including updates for FY 2012. An updated version of the 'DSS NDE Technical Guide September 2011' is currently a work-in-process and will be released at a later date. For any questions related to these documents please file

Extract – selected columns from the DSS NDE Layout Specifications FY2012											

DSS NDE: ALB (Account Level Budgeter) page

SAS Variables									SQL Variables	

DSS FIELD NAME	FY05 SAS	FY06 SAS	FY07 SAS	FY08 SAS	FY09 SAS	FY10 SAS	FY11 SAS	FY12 SAS	SAS LENGTH	SQL	SQL Data Types
REC TYPE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VISN	visn	visn	visn	visn	visn	visn	visn	visn	4	**visn**	**tinyint**
COMPANY CODE	sta3n	sta3n	sta3n	sta3n	sta3n	sta3n	sta3n	sta3n	4	**sta3n**	**smallint**
DIVISION	sta6a	sta6a	sta6a	sta6a	sta6a	sta6a	sta6a	sta6a	6	**sta6a**	**varchar(6)**
FISCAL YEAR	fy	fy	fy	fy	fy	fy	fy	fy	4	**fy**	**smallint**
FISCAL PERIOD	fp	fp	fp	fp	fp	fp	fp	fp	4	**fp**	**smallint**
DSS PRODUCTION UNIT	produnit	produnit	produnit	produnit	produnit	produnit	produnit	produnit	2	**produnit**	**varchar(2)**
EXEMPT STATUS	exempt	exempt	exempt	exempt	exempt	exempt	exempt	exempt	1	**exempt**	**varchar(1)**
COST CENTER	albcc	albcc	albcc	albcc	albcc	albcc	albcc	albcc	10	**albcc**	**varchar(10)**
ACCOUNT CODE	albacct	albacct	albacct	albacct	albacct	albacct	albacct	albacct	11	**albacct**	**varchar(11)**
COST TYPE	N/A	N/A	N/A	N/A	costtyp	costtyp	costtyp	costtyp	3	**costtyp**	**varchar(3)**
CATEGORY NUMBER	N/A	N/A	N/A	N/A	catnum	catnum	catnum	catnum	2	**catnum**	**varchar(2)**
ACCOUNT TYPE	edi	edi	edi	edi	edi	edi	edi	edi	1	**edi**	**varchar(1)**
STATUS	active	active	active	active	active	active	active	active	1	**active**	**varchar(1)**
ACT COST	act_dllr	act_dllr	act_dllr	act_dllr	act_dllr	act_dllr	act_dllr	act_dllr	8	**ActualDollars**	**numeric(20,6)**
ACT REG COST	reg_dllr	reg_dllr	reg_dllr	reg_dllr	reg_dllr	reg_dllr	reg_dllr	reg_dllr	8	**reg_dllr**	**numeric(20,6)**
ACT VSH COST	vsh_dllr	vsh_dllr	vsh_dllr	vsh_dllr	vsh_dllr	vsh_dllr	vsh_dllr	vsh_dllr	8	**vsh_dllr**	**numeric(20,6)**
ACT OT COST	ot_dllr	ot_dllr	ot_dllr	ot_dllr	ot_dllr	ot_dllr	ot_dllr	ot_dllr	8	**ot_dllr**	**numeric(20,6)**
ACT HOURS	act_hour	act_hour	act_hour	act_hour	act_hour	act_hour	act_hour	act_hour	8	**ActualHours**	**integer**
ACT REG HOURS	reg_hour	reg_hour	reg_hour	reg_hour	reg_hour	reg_hour	reg_hour	reg_hour	8	**reg_hour**	**integer**
ACT VSH HOURS	vsh_hour	vsh_hour	vsh_hour	vsh_hour	vsh_hour	vsh_hour	vsh_hour	vsh_hour	8	**vsh_hour**	**integer**
ACT OT HOURS	ot_hour	ot_hour	ot_hour	ot_hour	ot_hour	ot_hour	ot_hour	ot_hour	8	**ot_hour**	**integer**
IPD NUMBER	dcm_dept	dcm_dept	dcm_dept	dcm_dept	dcm_dept	dcm_dept	dcm_dept	dcm_dept	10	**IPD**	**varchar(10)**
IPD NUMBER DESCRIPTION	N/A	N/A	N/A	N/A	IPDDesc	IPDDesc	IPDDesc	IPDDesc	30	**ipddesc**	**varchar(30)**

"I'm interested in using new data available now for the first time from the CDW"

- Vital Signs
- Health Factors
- Mental Health
- Lab results for all lab tests
- Clinical notes
- More

6. Do the Vital Signs data include pain scores?

VINCI Central

- VINCI Central is the VA Intranet web site where the VINCI group posts useful information and CDW metadata

- VINCI Central has the list of Vital Signs
  - On the Data tab, select Data Available then Vital Signs

VINCI Central Vital counts

PAIN	363475783
VENTILATOR MINUTE VOLUME	86704
VENTILATOR TIDAL VOLUME	86780
BLOOD PRESSURE	369612858
VENTILATOR MODE	42670
CENTRAL VENOUS PRESSURE	523754
CIRCUMFERENCE/GIRTH	1000887
PULSE	344803275
PULSE OXIMETRY	95485935
RESPIRATION	293103643
TEMPERATURE	287732921
WEIGHT	166764666
HEIGHT	84513025

(as of 4/14/2011)

CDW SharePoint site: Metadata Report

- See additional, essential metadata on the Vital Signs in the Metadata Report, such as

  - Parameters such as dates and locations

  - EnteredInErrorFlag

Other resources

- See also

  - Noël PH J Rehabil Res Dev. 2010: VHA Corporate Data Warehouse height and weight data: opportunities and challenges for health services research.

7.   What is a Health Factor?

Health Factors

- VistA data elements
- Hold patient info not stored elsewhere such as
  - Family History of Alcohol Abuse
  - Lifetime Non-smoker
  - No Risk Factors for Hepatitis C
- Often used to capture results from clinical reminders
- Not standardized across the VA

Data Architecture Repository

- List of current health factors available from the VistA Metadata Repository in the Data Architecture Repository (DAR) on the VA Intranet

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Data Architecture Repository (DAR) Home

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DAR User Guide

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⊞ **What's New**

⊞ **Introduction**

VHA Data Management

Cooperative Studies Program (CSP)

Corporate Database Monograph

VistA Metadata Repository

ADR Metadata Repository

data, a Data Steward, or a Data Organization

es and describes the characteristics of other data, used to improve both business and technical understanding of data and data-related processes.

nes where the metadata originated, metadata is gathered from multiple repository sources.
llows users to query on a category and to retrieve metaobject types in a similar category.
es a categorization based on the unique characteristics, metadata is always defined by type.
- **Metadata Name:** defines the title given to a specific metadata element, the name is only unique when combined with the metadata type.

Metadata Source: all metadata sources ▼

Metadata Category: all metadata categories ▼

Metadata Type: all metadata types ▼

Metadata Name: [   ]

[Search Metadata]

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⊞ **Metadata Search Help**

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VISTA METADATA REPOSITORY

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Data Architecture Repository (DAR) Home

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Enhancement Request

The **DAR Veterans Health Information Systems and Technology Architecture (VistA) Metadata Repository** provides an easy means to access and navigate the metadata describing Veterans VistA Platinum data structures within the June 30, 2011 VistA Platinum image. VistA Platinum is the master version of the complete VistA system maintained by the Standards and Compliance Office within the Office of Information and Technology. As VistA evolves and Platinum images are updated, the metadata will be added to the DAR with the identified publication date. For additional VistA references refer to the VistA Monograph and the VistA Document Library.

A listing of VHA national databases can be found within the DAR VHA Corporate Database Monograph. Some of these databases are derived from point-of-service generated data and/or data used for program management and tracking, and are not part of VistA, or included within the DAR VistA Portal.

How to Find VistA Metadata

There are several options for searching VistA metadata:

- Use Tabs above to search within packages, files, fields, etc.
- Use the general Search VistA box below to search all packages, files, and field names, and descriptions.
- If you know the package name, you can navigate directly to a specific VistA package with drill down capabilities to files and fields using the Package Name select-list.
- If you know the file name, you can navigate directly to a specific VistA file with associated field information using the File Name (#) select-list.

General Search: ERI | Search VistA | | Reset |

Package Name: FEE BASIS CLAIMS SYSTEM ▼ | Search |

File Name (#): VISIT (9000010) ▼ | Search |

VistA Background

Standard Table Data

File   Edit   View   Favorites   Tools   Help

UNITED STATES *INTRANET*
DEPARTMENT OF VETERANS AFFAIRS

VISTA METADATA REPOSITORY

Home | Packages | Files | Fields | **Standard Table Data** | Cross

Home > **Standard Table Data**

Standard table data files contains reference data (such as state, race, etc.).

[History Data]

Select Standard Table: [HEALTH FACTORS (9999999.64) ▼]   [Display File Structure]

FILE	SF	IEN	FACTOR	CATEGORY	SHORT NAME	USE ONLY WITH SEX	LOWER AGE	UPPER AGE	DISPLAY ON HEALTH SUMMARY	SYN	ENTRY TY
9999999.64		101	HTN NO MED CHANGE - COMORBID ILLNESS	598003~HYPERTENSION		~			Y~YES		F~FACTOR
9999999.64		102	HTN NO MED CHANGE - SIDE EFFECTS FROM RX	598003~HYPERTENSION		~			Y~YES		F~FACTOR
9999999.64		103	HTN NO MED CHANGE - LIMITED LIFE EXP	598003~HYPERTENSION		~			Y~YES		F~FACTOR
9999999.64		104	MENTAL HEALTH	~		~			~		C~CATEG
9999999.64		105	CURRENT F/U OR RX FOR DEPRESSION	104~MENTAL HEALTH		~			Y~YES		F~FACTOR
9999999.64		106	REFUSED DEPRESSION SCREENING	104~MENTAL HEALTH		~			Y~YES		F~FACTOR
			DEP SCREEN 2								

8. Can you use Health Factors to determine a patient's smoking status?

Smoking Status Health Factors

- Several dozen Health Factors pertain to smoking status

- None of the smoking related Health Factors are standardized across the VA

- Other VA data on smoking status:
  - Tobacco Use related CPT codes not often used

Other Smoking Status Data Sources

- Tobacco Use related CPT codes (not often used), including codes for tobacco cessation counseling
- Pharmacy data – prescriptions for nicotine or nicotine agonists

VIReC

Other resources

Previous studies of smoking among veterans found the CDW Health Factors to be the most reliable smoking status indicators available. See:

Validating Smoking Data From the Veteran's Affairs Health Factors Dataset, an Electronic Data Source

Kathleen A. McGinnis, M.S., Cynthia A. Brandt, M.D., M.P.H., Melissa Skanderson, M.S.W., et al., Nicotine Tob Res. 2011 Dec;13(12):1233-9.

9. Where can I find a list of the surveys and tests included in the CDW's Mental Health data?

Mental Health Dim.Survey

- No list of the surveys in CDW Metadata

- The CDW table Dim.Survey holds the names of the surveys + tests.

- The domain includes data from interviews, surveys and tests available in VA's Mental Health Assistant package, except those that are copyrighted.

Mental Health

Non-exhaustive lists of tests/surveys/interviews in the Mental Health table Dim.Survey.SurveyName:

- AUDC
- PHQ-2
- PC PTSD
- PHQ-9
- AIMS
- MORSE FALL SCORE

- AIMS
- BRADEN SCALE
- PCLC
- BD12
- PCLM
- BAI
- MMPI2

- AUDIT
- MISS
- MOMC
- MCM13
- SF-36
- BPRS
- MBMD

10. What's the best way to identify a lab test in the CDW?

CDW SharePoint site: training available online

- See Richard Pham's course "Laboratory and Chemistry – Round 1" and "…Round 2" for
  - Pros and Cons of using the identifiers LabChemTestName, NationalVACodeIEN and LOINC
  - Suggested code
- On the Support tab, select Training, then on under Training Links, select CDW Data: Datasets and Basic SQL

Summary: Resources

Resources

CDW SharePoint site	On the VA Intranet: https://vaww.dwh.cdw.portal.va.gov/Pages/welcome.aspx
VIReC web site	On the Internet: http://vaww.virec.research.va.gov/ On the VA Intranet: http://www.virec.research.va.gov/
VINCI Central:	On the VA Intranet at http://vaww.vinci.med.va.gov/vincicentral/default.aspx

Resources

Data Architecture Repository	On the VA Intranet at http://vacodeve2.dva.va.gov/pls/apex/f?p=VISTA:1:92964 9074432930
Decision Support Office	On the VA Intranet at http://vaww.dss.med.va.gov/nationalrptg/nr_extracts.asp

Contacts & Support

VINCI	VINCI users can get support through the VINCI Service Desk from 8:30 to 4:30pm Mountain Time, Monday through Friday.	
	VINCI Contact Method	**Contact Information**
	Service Desk Phone	801-588-5212
	Email	VINCI@va.gov

Austin Help Desk	The Austin Information Technology Center's National Service Desk offers technical support for users of the CDW 24 hours of every day.	
	NSD Contact Method	**Contact Information**
	Help Desk Phone	512-326-6780 or 888-326-6780
	TDD	512-326-6638
	Email	nsd-aus@va.gov or cdco.nsd@va.gov

VIReC	The VA Information Resource Center is a good resource for VA researchers with questions about CDW data.	
	VIReC Contact Method	Contact Information
	Help Desk Email	virec@va.gov
	Help Desk Phone	708-202-2413
	Internet website	http://www.virec.research.va.gov
	VA Intranet website	http://vaww.virec.research.va.gov
	Physical address	VA Information Resource Center (151V) Health Services Research and Development Service Department of Veterans Affairs Edward J. Hines, Jr. VA Hospital 5000 South 5th Avenue Hines, IL 60141

HSRData Listserv	VIReC hosts this virtual community of VA researchers who share knowledge and experiences about VA data and information systems.
	Please see VIReC's web site for enrollment information.
	The Listserv is only open to individuals with "va.gov" email addresses.

Questions & Suggestions

VIReC