

# Resource Center Cyberseminar

What can the HSR&D Resource Centers do for you?

October 14, 2015

# The Four HSR&D Resource Centers

- [CIDER](#)—the operational arm of HSR&D (Boston, MA)
- [HERC](#)—assists VA researchers in conducting high-quality health economics research (Menlo Park, CA)
- [VIReC](#)—helps improve the quality of VA research that utilizes databases and information systems (Hines, IL)
- [VINCI](#)—improves researchers' access to VA data and facilitates analyses of those data (Salt Lake City, UT)

# **CiDER**

Center for Information Dissemination  
and Education Resources

[HSRDWeb.Boston@va.gov](mailto:HSRDWeb.Boston@va.gov)

# CIDER STAFF

A. Rani Elwy, *Director*

Rama Palriwala, *Administrative Officer*

Charles Festel, *Web Program Manager*

Michael Short, *Web Developer*

Portia Rivera, *Web Content Specialist*

Karen Bossi, *Special Projects & Publications Coordinator*

Diane Hanks, *Senior Writer and QUERI Dissemination Coordinator*

Maria Hecht, *Writer/Editor – Web & Publications*

Molly Kessner, *Cyber Seminar Content Coordinator*

Heidi Schlueter, *Cyber Seminar Technical Coordinator*

# The CIDER Mission

To improve the health and care of Veterans by disseminating important HSR&D findings and information to policymakers, managers, clinicians, and researchers throughout VA and the larger health care community -- and to serve the operational needs of HSR&D.

# How We Do It.

Briefs  
Publications  
Conferences  
Cyber Seminars  
Journals  
Web  
Impact Videos  
Social Media



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VA » [Health Care](#) » Health Services Research & Development

# Health Services Research & Development

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## Spotlight: World Heart Day

World Heart Day should serve as a reminder that heart disease is the number one killer of both men and women in the United States...

[Learn more >](#)

[Heart Disease](#)

[Cost and Quality](#)

[Research Topics](#)

## What's New



» 10-08-2015 | *Employment Opportunity*  
[Post-Doctoral Fellowship in Health Services Research](#) - Boston, MA

» 10-06-2015 | *Employment Opportunity*  
[Postdoctoral Fellowship in Health Services Research](#) - Portland, OR



GO TO THE  
[OFFICE OF RESEARCH](#)



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Publication Requirements

Scientific Merit Review Board

(SMRB)

## Publication Requirements: Notification & Attribution

The Health Services Research and Development Service (HSR&D) has established the following **requirements** regarding notification of pending publications and presentations:

- [Notification Process](#)
- [Attribution](#)
- [Disclaimer](#)

See also [Checklist for publishing VA research](#)



### Notification Process

Please let us know as soon as you have an article **accepted** for publication. This applies to all publications based on an HSR&D-funded, or HSR&D-managed project, or authored/coauthored by an HSR&D-supported investigator, regardless of funding source. Early notification allows us to prepare briefing materials for VA leadership and plan for other dissemination. See section 7 of [VHA Handbook 1204.5](#) (67 KB, PDF) and [VHA Handbook 1200.19](#) (61 KB, PDF) for more details.

Submit your notifications by following the simple steps below:

- **Go to the ORD PubTracker Website** by copying and pasting the following URL into browser: **<http://vaww.pubtracker.research.va.gov>** (Access restricted to VA Intranet)
- Click the submission type – pre-publication, presentation, media, or other – and fill in the form (Be sure to upload a copy of the presentation abstract or complete accepted article)



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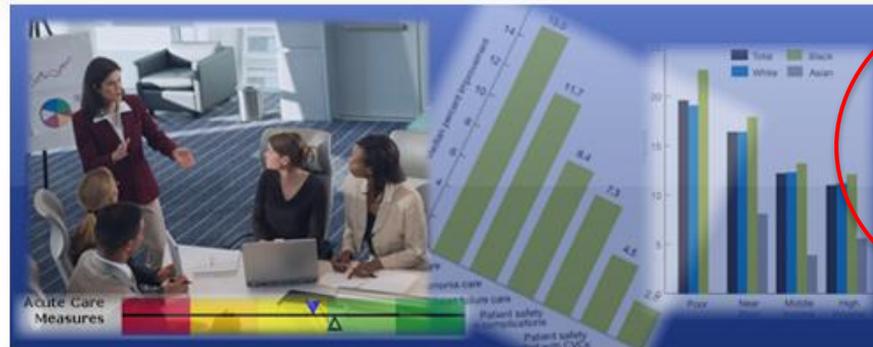
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### For Managers



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#### HSR&D RESEARCH



[VA HSR&D Partnerships: Research & Operations](#) video (2:08)

#### QUERI



[QUERI Partnered Research in Action](#) video (2:52)

#### PUBLICATIONS

[5 Most Recent Publications]

[Evidence Brief: Treatments for Post-traumatic Stress Disorder](#)  
**In this Issue:** ESP Brief (10-02-2015)

[White Paper: The Impact of Pedometers on Chronic Conditions -](#)

# Health Services Research & Development

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Toolkit Home

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▶ Tools for Mentees

National Mentoring Network

Resources

Cyberseminars

## HSR&D CDA Resource Toolkit

The CDA Toolkit is created by CIDER and the CDA Enhancement Initiatives team to help members of the CDA community be more involved and effective in their respective roles. This virtual resource center provides helpful information on fostering great mentorships and enriching the CDA experience. In order to build collegiality, the CDA Toolkit will also serve as place for HSR&D CDA program updates and special announcements.

### TOOLS FOR MENTORS

[Resources for mentors](#) to nurture a successful mentorship and effectively communicate with their mentees.

### TOOLS FOR MENTEES

[Strategies and resources](#) for CDA Awardees to succeed as mentees and health science services researchers.

### RESOURCES

[Online resources on various topics](#) such as career development, mentoring training, work/life balance, conducting research, and more.

### CYBERSEMINARS

[Links to online sessions](#) designed to further strengthen the community of scholarship among HSR&D Career Development Awardees, aspiring CDAs, alumni, and mentors.

### TOOLS FOR PROSPECTIVE CDAS

**IMPORTANT:** Please note that these are 2008 applications. Format and instruction may have changed. Please refer back to the HSR&D website for the most current application.

- [CDA Sample Application 1](#)  (Narrative Only)
- [CDA Sample Application 2](#)  (Narrative Only)

### MENTOR SPOTLIGHT

William Mann, Ph.D, O.T.R



Dr. William Mann is the Director of the Center of Innovation on Disability and Rehabilitation Research, a Distinguished Professor and Chair of Occupational Therapy and the Director of the Florida Institute on Disability and Rehabilitation at the University of Florida. His current work addresses the needs of Veterans with disabilities, applying home monitoring and communications technologies (telehealth, telerehabilitation), addressing the needs of Veterans with dementia and their caregivers, and tools for driver assessment and rehabilitation.... [Read more](#)

View: [Next Mentor](#) | [National Mentoring Network](#)

### SHARE YOUR IDEAS

[Send in suggestions or resources](#) to share with the CDA community.

### NEWS CORNER

**Virtual Networking Event:**

Topic: The Future of the VA

Date/Time: Tuesday, October 27 at 10 am PT/1 pm ET

Call In: [1-800-767-1750](tel:1-800-767-1750) Access code: 32441

If you have questions, please contact [Barbara elpas@va.gov](mailto:Barbara.elpas@va.gov) or [Leah.Zullo@va.gov](mailto:Leah.Zullo@va.gov).

**APHA Informal Networking Event:**

Date/Time: Monday, November 2 at 6pm

Location: Hyatt Regency, Chicago

Contact Info: Barbara Elpas at (850) 799-0994

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Search All Studies / Projects

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## Search Results

Search For:

Num records per page:   Use Boolean Search

Found 9 documents out of 9.

### [IIR 07-199 – HSR&D Study](#)

*Title:* Patients' and Providers' Perceptions of Communicating an Adverse Event

*Primary Investigator:* Anashua Elwy PhD

[http://www.hsrdr.research.va.gov/research/abstracts.cfm?Project\\_ID=2141699730](http://www.hsrdr.research.va.gov/research/abstracts.cfm?Project_ID=2141699730) - 61k

### [IAC 07-087 – HSR&D Study](#)

*Title:* Help-Seeking Depression in VHA Primary Care Patients

*Primary Investigator:* Anashua Elwy PhD

[http://www.hsrdr.research.va.gov/research/abstracts.cfm?Project\\_ID=2141699577](http://www.hsrdr.research.va.gov/research/abstracts.cfm?Project_ID=2141699577) - 60k

### [SDR 11-440 – HSR&D Study](#)

*Title:* Veteran and Staff Perceptions of VHA Large Scale Adverse Event Communications

*Primary Investigator:* Anashua Elwy PhD

[http://www.hsrdr.research.va.gov/research/abstracts.cfm?Project\\_ID=2141701615](http://www.hsrdr.research.va.gov/research/abstracts.cfm?Project_ID=2141701615) - 58k

### [IIR 05-062 – HSR&D Study](#)

*Title:* Culture and Communication in Hypertension Management

*Primary Investigator:* Barbara Bokhour PhD

[http://www.hsrdr.research.va.gov/research/abstracts.cfm?Project\\_ID=2141697589](http://www.hsrdr.research.va.gov/research/abstracts.cfm?Project_ID=2141697589) - 64k

### [IIR 02-144 – HSR&D Study](#)

*Title:* Identifying Patient Safety Indicators from Administrative Data

*Primary Investigator:* Amy Rosen PhD

[http://www.hsrdr.research.va.gov/research/abstracts.cfm?Project\\_ID=2141692532](http://www.hsrdr.research.va.gov/research/abstracts.cfm?Project_ID=2141692532) - 63k

### [SDR 00-300 – HSR&D Study](#)

# QUERI – Quality Enhancement Research Initiative

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- ▶ Veterans Choice Act Awards
- ▶ Q-news
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- ▶ Tools
- ▶ More Health Care

## QUERI

Using Research Evidence to Improve Practice



### Learn About QUERI

The Quality Enhancement Research Initiative (QUERI) is a quality improvement program that has become a central component of VA's commitment to improving the quality of Veterans' healthcare.

[Learn more »](#)

[About QUERI](#)

[Research Impact on Care](#)

[Implementation](#)

LOOKING FOR THE  
**HSR&D**  
WEBSITE? CLICK HERE!

### QUICK LINKS

- Health Programs
- Protect Your Health
- A-Z Health Topics

Mission

[Subscribe to Q-News](#)

#### Mission

QUERI was launched in 1998 as part of a system-wide transformation aimed at improving the quality of healthcare for Veterans. Our mission is to improve care using research evidence to improve clinical practice.

[Read More »](#)

### PAST CYBERSEMINAR SESSIONS

- [QUERI Implementation Seminar](#)
- [QUERI Practice Seminar](#)
- [QUERI Implementation Research](#)
- [Enhancing Implementation Science](#)

### ANNOUNCEMENTS

[HSR&D and QUERI to Host AcademyHealth Delivery System Science Fellowship](#)  
(10/8/15)

**Veterans Crisis Line**  
1-800-273-8255 PRESS 1

# QUERI – Quality Enhancement Research Initiative

QUERI Home

▶ About Us

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Overview

Behavioral Health

Bridging the Care Continuum

Chronic Pain

Long-Term Care

Measurement Science

Patient-Aligned Care Teams

Personalized Care

Precision Monitoring

Safety and Quality

Triple Aim

Virtual Specialty Care

Women's Health

▶ Partnered Evaluation Initiatives

▶ Veterans Choice Act Awards

▶ Q-news

QUERI Impacts

▶ Tools

## National Network of QUERI Programs



- Ann Arbor, MI: [Implementing Goals of Care Conversations with Veterans in VA Long-Term Care Settings](#)
- Ann Arbor, MI: [PeRsonalizing Options through Veteran Engagement \(ProVE\)](#)
- Bedford, MA: [Bridging the Care Continuum QUERI for Vulnerable Populations](#)
- Denver, CO: [Triple Aim QUERI Program](#)
- Indianapolis, IN: [Precision Monitoring to Transform Care \(PRISM\)](#)
- Little Rock, AR: [QUERI for Team-Based Behavioral Health](#)
- Los Angeles, CA: [Enhancing Mental and Physical Health of Women through Engagement and Retention \(EMPOWER\)](#)



Who to follow · Refresh · View all

-  **Mass State Police** @Mas...  
Follow
-  **BU Public Health** @BUSPH  
Follow

Find friends

Trends · Change

- Brian Friel**  
Irish playwright Brian Friel dies aged 86  
8,089 Tweets about this trend
- #Fridayreads**  
Just started trending
- #UCCShooting**  
White Americans Are Biggest Terror Threat in U.S.: Study - NBC News  
486K Tweets about this trend
- #4YearsOfAlwaysInMyHeart**  
36.3K Tweets about this trend
- #Safalgirl**  
India has to start thinking beyond GDP, says Aroon Purie  
Just started trending
- #SmileForAGoodDay**  
12.2K Tweets about this trend

Barbara Bokhour and 2 others follow

 **VA HSR&D** @vahsr · 8m  
HSR&D's IQuEST COIN @ Michael DeBakey VAMC seeks a Deputy Director. Position is open to both MDs & PhDs Learn more: [ow.ly/STITY](http://ow.ly/STITY)

 **VA HSR&D** @vahsr · 21h  
Reminder: Carolyn Clancy, MD, moderates #ECRI15's opening session! Advance registration required; attendance is free: [ow.ly/STHR3](http://ow.ly/STHR3)

 **David Winchester** @drdavemd · Sep 29  
Decision support not a panacea for reducing testing [qualitysafety.bmj.com/content/early/...](http://qualitysafety.bmj.com/content/early/...) @BMJ\_Qual\_Saf @JoelBoggan @vahsr

 **Ziad Gellad, MD MPH** @ZiadGelladMD · Sep 27  
Great @WSJ interview with @vahsr colleague @HardeepSinghMD

**Laura Landro** @LauraLandroWSJ  
We're all at risk of diagnostic error says @theIOM; @HardeepSinghMD offers solutions @WSJ HealthCare Special Report on.wsj.com/1KCamNq

 **Lindsey Zimmerman** @LZPhD · Sep 25  
.@ImplementCollab Dr. Kilbourne cutting edge SMART designs in implementation research @vahsr #QUERI @UMich #SIRC2015



# HSR&D Cyberseminars

Following in 1 stream

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Actions About Share

## GROUP OVERVIEW



HSR&D's cyberseminars provide state-of-the art training and special interest sessions right from your computer! Cyberseminars are available 24/7 as live web conferences and as on-demand archived presentations.

Owned by: Molly Kessner, Heidi Schlueter

Tags: hsr&d, va hsr&d, cyberseminar, hsr&d

Group Type: Open

Created: Sep 21, 2015

## LATEST POLL

Previous Next More polls

Have you ever downloaded or used a medical app on your phone?



You voted for this Leave comment

Created by Heidi Schlueter on Oct 6, 2015 in HSR&D Cyberseminars

14 Votes - 3 Comments

## FEATURED CONTENT

Have you ever downloaded or used a medical app on your phone?

## HSR&D LINKS

- [HSR&D Home Page](#)
- [HSR&D Cyberseminar catalog](#)
- [HSR&D Cyberseminar archive](#)

## UPCOMING EVENTS

- Preliminary Results from a Randomized Controlled Trial of a Smartphone Application for Veterans with Suicidal Ideation  
10/13/15 3:00 PM
- A System for Comparing Outpatient Use between VA and Medicare  
10/21/15 2:00 PM

## ASK HSR&D CYBERSEMINARS

Type your question

Ask it

# FORUM

- HSR&D and AcademyHealth collaboration
- Targets VHA managers, researchers and non-VA audience
- 10,200 total distribution
  - 6100 in VA (via email)
  - 4100 through AcademyHealth (via print)
- Editorial Board plans issues



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# Health Economics Resource Center

[www.herc.research.va.gov](http://www.herc.research.va.gov)

Todd Wagner, PhD

Director

Oct 2015

# HERC Overview

- The mission of HERC is to increase the quality of VA health economics research so that the nation and the nation's Veterans may get the best possible health care value from available resources.
- HERC was created in 1999 and we're located in Menlo Park, California

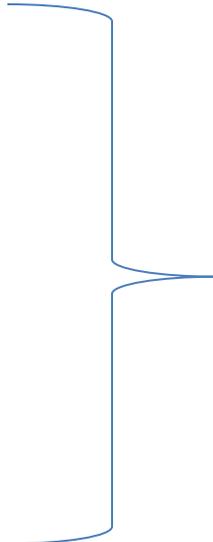
# HERC Product Lines

- Datasets
  - Average cost data
  - MCA discharge with subtotals
  - Wage index
  - Nosos risk adjustment (in collaboration with OPES)
- Data documentation and support
- Customer service
  - Help desk
  - Cybercourses: CEA, econometrics
  - Monthly health econ Cyber Seminars

# Funding & Staff

- Each year, HERC receives \$500,000 in HSR&D Resource Center funds for our product lines

- 25 Full Time staff
  - 8 Health economists
  - 9 Programmers
  - 7 project managers
  - 1 administrative officer



The remaining funds comes through grants (QUERI, HSR&D, CSP)

<http://www.herc.research.va.gov/include/page.asp?id=staff>

# Do you need help?

- Help consultations: [HERC@va.gov](mailto:HERC@va.gov) (or contact specific HERC individuals)
- As a co-investigator
  - We are social scientists who look at behaviors through an economic lens
  - There are more requests than we can handle
  - Early engagement is key
  - List of other economists

<http://www.herc.research.va.gov/include/page.asp?id=extended-economist-help>

# Highlights

- New health economist: Josephine (Jo) Jacobs



- ACA and Choice Act
  - Jean Yoon
  - Megan Vanneman



- Risha Gidwani's pending IIR on value of end of life care





# VA Information Resource Center

Maria Souden

Associate Director for Communications

# Mission

Advance VA capacity to use data effectively for research and quality improvement.

Foster communication between research data users and the VA healthcare community.

Data Knowledge &  
Methods

Dissemination &  
Communication

Improving  
Data Use  
Environment

**VIREC** [www.virec.research.va.gov](http://www.virec.research.va.gov)

Assisting VA Researchers

Public-facing VIREC overview  
Publications & events  
Cyberseminars

Who We Are

News & Events

Open Positions at VIREC

VIREC at Upcoming Meetings

**vaww.virec.research.va.gov**

Upcoming Cyberseminars

Real SSN Data Request Process

VA REDCap Project

Data News

New from VIREC

VIREC Resources

VA network only  
Data news  
Resources for working with data

<http://vaww.vhadataportal.med.va.gov>

Home Data Sources Data Access Tools Resources Training About Us Support

Welcome to the VHA Data Portal!

The one-stop-shop for data users' needs.

The VHA Data Portal is a collaborative effort among the following program offices to provide a central gateway to information about VHA data:

- VHA National Data Systems (NDS)
- VA Information Resource Center (VIREC)
- VA Informatics and Computing Infrastructure (VINCI)
- VHA Data Quality Program

Our mission is to promote a knowledge-sharing culture that supports the needs of VHA data users. The portal integrates information from multiple sources into a common format and single location to promote a comprehensive knowledge base and to facilitate a positive end-user experience.

News

Upcoming Events

Data Access Request Tracker (DART)

NDS Operational Access Requests

Resources

VA network only  
Combined resource (with NDS and VINCI)  
Data source & access information

## VA INFORMATION RESOURCE CENTER (VIReC)

- VIReC Home
- VA/CMS Home
- About Us
- New Users of VA Data
- FAQs
- Acronyms
- HelpDesk



**Oct 14: What Can the HSR&D Resource Centers Do For You?**  
[Learn more...](#)

- Data Issues Brief, September 2015**
- Upcoming Cyberseminars**
- Real SSN Data Request Process**
- VA REDCap Project**
- Data Tip of the Month**

CONVERSATIONS ABOUT VA DATA  
**HSRData Listserv**

CURRENT VA DATA NEWS  
**Data Issues Brief**

GATEWAY TO DATA RESOURCES  
**VHA Data Portal**

**Data News**

**ICD-10 Transition:** VA will implement the ICD-10 code set October 1, 2015. Datasets commonly used by researchers will be affected.  
[More info...](#)

**New CMS Data for Researchers:** 2013 Medicare, 2011-2012 MCBS, and 2007-2012 HEDIS data.  
[More info...](#)

**NPCD Retirement Data Extended:** NDS had extended the retirement date to October 1, 2016.  
[More info...](#)

**New from VIReC**

**Open Positions at VIReC**  
VIReC is recruiting for two positions in our Data Knowledge area

- [Associate Director for Research](#)
- [Social Science Analyst](#)

**ICD-10 Information for Researchers**  
Learn how the ICD-10 transition affects select datasets commonly used by the research community.

**Race & Ethnicity Data**  
Learn about data sources containing race and ethnicity data elements.

**VIReC Resources**

**Working with VA Data:** Guide to VA data sources, topics, and tools.

**VA/CMS Data for Research Project:** Data custodian for CMS and USRDS data for VA research.

**Factbooks:** Describe tables, columns, and values in select CDW Domains.

**Research User Guides:** Detailed information on select data sources, including variable descriptions.

**The Researcher's Notebook:** Practical information on using data from

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**ICD-10 Information for Researchers**  
Learn how the ICD-10 transition affects select datasets commonly used by the research community.

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**Race & Ethnicity Data**  
Learn about data sources containing race and ethnicity data elements.

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- Research User Guides (RUGs)
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- Resource Guides
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# VIReC Research User Guide

## Fiscal Year 2014 VHA Medical SAS

May 2015

### 2.1 Background

VA health care facility staff members across the United States and Puerto Rico enter patient care information into Veterans Health Information Systems and Technology Architecture (VistA), the main information collection and data management system in the Veterans Health Administration (VHA). A select set of data collected during patient health care occasions are entered in local health care facilities VistA systems and then electronically transferred from each local VistA system upon discharge of a patient or upon collection of quarterly census data only to a centralized Patient Treatment Master File (PTF) maintained at the Austin Information Technology SAS Dataset

National Data and provides project coordination data progress

Figure 1. D: Inpatient D

VHA Medi  
(Local Vis



### 3.1 List of Variables & their Dataset Locations

This section lists variables and their dataset locations for the fiscal year (FY) 2014 VHA Medical SAS Inpatient Acute Care Main, Bed Section, Procedure and Surgery Datasets. An X in the frequency column indicates VIREC provides additional summary information for this variable in *VIReC Select Variable Frequencies: Medical SAS Datasets, FY2000–2014* [16].

Table 5 provides a short definition of each variable and reports their presence in the FY2014 Inpatient Acute Care Datasets.

Table 5. FY2014 VHA Medical SAS Inpatient Variables and their Dataset Locations

SAS Name	Definition	Main	Bed Section	Surgery	Procedure	Frequency
ABO	Number of days a patient was out of the hospital on pass during an inpatient stay	X				
ADMITDAY	Date of admission of the inpatient stay	X	X	X	X	
ADMITM						
ADMITYF						
ADTIME						
AFIX						
AG15Y						
AG8R						
AG9R (No						
AGE						
AGOCAR						
ANESTEK						
AOR						
ASIH (Not						
AXIS4B						
AXIS51B						
AXIS52B						

Variable Name: ABO

Definition: Number of days a patient was out of the hospital on pass during an inpatient stay

Remarks: This variable is used in the calculation of the LS (number of bed days for the entire episode of care) variable. Chapter 10, "Absences," of the *VHA Manual of Policies (M-1), Operations: Part I, Medical Administration Activities* [17] provides guidelines for granting of authorized absences. Section 10.08 of this manual indicates that an authorized absence for hospital patients may not exceed 96 hours. The 96-hour limit applies to the variables PASS and PASSB. This section suggests that ABO is reserved for absences greater than 96 hours.

Data Type	Numeric
Print Format	None
Label	ABSENT BED OCCUPANT DAYS
Variable Availability in Medical SAS Datasets: Fiscal Years (FY)	Acute Main: FY1970 – to date
VistA Data Source	PTF (45) file, ASIH field

## VIReC Factbook

Corporate Data Warehouse (CDW)

Inpatient 2.1 Domain (Part I – Inpatient)

Version 2

June, 2015



### Part 3. Clinical Context

Part 3 lists a series of definitions for terms associated with enrollment in Veterans Health Administration (VHA), level of service-connected disability, and eligibility for care and benefits. According to VHA Corporate Database Monograph [10], the Health Eligibility Center (HEC) is responsible for determining the eligibility of Veterans for VHA medical care. The HEC is the authoritative source for Veteran eligibility and subsequent enrollment priority. To be enrolled, a Veteran must meet basic eligibility criteria, so HEC gathers all the information needed to make eligibility decisions then records and processes the information. This process involves:

- validating social security numbers from the Social Security Administration
- verifying incomes from the Internal Revenue Service and Social Security Administration

### Part 4. Table and Column Descriptions

Part 4 describes each table in the Patient Enrollment Domain and selected columns within each table. It is organized by table. The name of the table is presented in large font with a description of its general content immediately following. After each table description, selected columns within that table are described. Table 1 summarizes the various parts of the column descriptions.

Table 1. Content of Column Descriptions

Part	Description
Description	A description of the meaning of the column.
Notes	Values of selected columns are examined for potential irregularities or ambiguities of values. The notes describe the source of these irregularities or ambiguities, if any, and provide a list of the affected rows.

### Part 6. Example SQL Code for Basic Research Questions

This section contains a series of simple research questions that are answered using data from the Domain by applying basic SQL queries. Due to the extraordinary size of the Patient.Enrollment table, it is essential to limit the scope of your queries in order to avoid overtaxing the server. The two research questions include:

1. What is the distribution of service-connected percentages for my cohort?
2. What annual VA compensation is being paid to patients assigned to various priority groups?

#### Question 1. What is the distribution of service-connected percentages for my cohort?

The first section of the SQL query mimics the creation of a cohort in the simplest way, by selecting the first million records in the Patient.Patient table that have potentially valid identification numbers (non-null patient identifiers greater than one) who have an enrollment date that is not null.

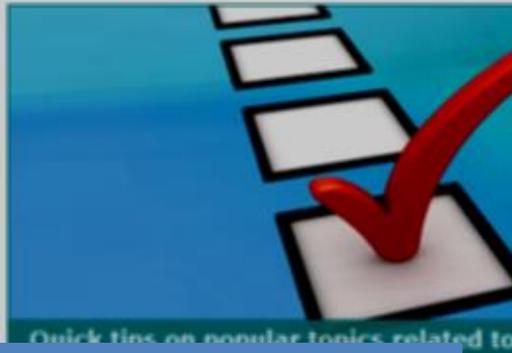
The second section of the SQL query counts the unique number of patients (using COUNT and DISTINCT in the SELECT statement) associated with each value found in the column/variable called ServiceConnectedPercentage (by selecting the column and then grouping by it).

--simple cohort example

```
SELECT TOP 1000000 A.PatientSID , B.EnrollmentDate , B.ServiceConnectedPercentage
INTO #ExampleCohort
FROM CDWWork.Patient.Patient AS A
INNER JOIN CDWWork.Patient.Enrollment AS B ON A.PatientSID = B.PatientSID
```

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# Summary Information

- Domain Layout
- Sample Records
- Frequencies & Counts
- Historical Info
- Proc/Data Contents

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# Technical Documentation

- Tutorials
- Data Investigations
- Technical Reports
- Briefs
- Publications

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# The Researcher's Notebook

## How do I identify the bed sections for my cohort?

### Introduction

This Researcher's Notebook is intended to provide logical steps for identifying the bed section in the Corporate Data Warehouse (CDW). The bed section is commonly referred to as the type of inpatient service provided and helps categorize the type of care provided. A patient may move from one specialty to another during the inpatient stay. This notebook provides information on various bed section stays a patient experienced during an inpatient stay.

### Step 1 | Become Familiar with the Terminology and Data

These are some terms that used in this notebook:

- Specialty – type of inpatient service, or bed section (e.g. Medicine, Surgery)
- BedSection – type of inpatient service, or specialty (e.g., Medicine, Surgery)
- Treating Specialty – subsection of the specialty (e.g. Cardiology, Surgical ICU)
- PTF Code – “Specialty Code” (e.g., 72 = “ALCOHOL DEPENDENCE TRMT UNIT”)
- Inpatient stay – complete stay from admission to discharge (made up of 1 or more bed section stays)
- Bed section stay – duration in a particular specialty or bed section
- LOS in Service – length of stay in a specialty or bed section
- Vista 501 Movement – specialty transfer/bed section movements
- Vista 535 Movement – physical transfer/ward transfer movements (e.g. “1 North”)

### Step 2 | Understand the Logic of the CDW Inpatient (Inpat) Tables

It is first necessary to understand how and when the information about bed section is entered into the various tables found in the inpatient domain. This understanding of the data has been inductively reasoned via the presence of a LosingSpecialtySID in Inpat.Inpatient and Inpat.SpecialtyTransfer.

- Inpatient data is not populated in the Inpat.Inpatient and Inpat.SpecialtyTransfer until the patient is discharged from the hospital (inpatient stay ends). Upon discharge from the last bed section (and thus the hospital) the data will be populated in these CDW tables.

### Step 3 | Identify the Tables/Views and Columns Needed

- SPatient.SPatient is used to identify individual patients and eliminate known and probable test patients; the columns used in this process include: PatientSSN, PatientSID and CDWPossibleTestPatientFlag.
- Dim.Specialty is needed to identify the specialty's code and description; the following columns Specialty and PTFCode will be used.

### Step 5 | Write SQL Queries

Step 5 provides basic code to identify bed section records of interest.

#### 5.1 Select bed section stays from Inpat.Inpatient (last or only bed section of discharged patients only)

The following SQL query selects bed section stays of interest (in this example bed section code 72, 73, and 74) from the Inpat.Inpatient table. This is done by selecting the appropriate columns from the Inpat.Inpatient

```
--Inpat.SpecialtyTransfer Records
SELECT
    st.InpatientSID,
    st.PatientSID,
    st.AdmitDateTime, -- same as below if bed section stay is also the first bed section stay
    SpecialtyTransferDateTimeIn=DATEADD(DAY, st.LOSInService*-1, st.SpecialtyTransferDateTimeOut)
    -- DATEADD back calculates start
    st.SpecialtyTransferDateTime as SpecialtyTransferDateTimeOut,
    sp.Specialty,
    sp.PTFCode,
    st.LOSInService,
    InpatCensus='I' -- Flag source
INTO [personal schema].sabuseBSinpat501
FROM Inpat.SpecialtyTransfer st
INNER JOIN Dim.Specialty sp
ON (st.LosingSpecialtySID=sp.SpecialtySID) -- The name of PK and FK differ !!!
WHERE (sp.PTFCode in ('72', '73', '74')) and
    st.LosingSpecialtySID is not null and
    st.LOSInService is not null /* -- ignore rows w/ Treating Specialty change but
    no Specialty changes */

;
```

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- Upcoming Cyberseminars**
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**VHA Data Portal**

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**New CMS Data for Researchers:** 2013 Medicare, 2011-2012 Medicaid and 2007-2012 HEDIS data. [More](#)

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**CDW Domain Updates:** Microbiology Domain now includes all etiologies involved in pathogenic microorganisms. Outpatient 2.1 Domain has been released. [More info...](#)

# Cyberseminar Series

- Database & Methods
- Corporate Data Warehouse
- Good Data Practices
- Partnered Research
- Clinical Informatics

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- Working with VA Data:** Guide to VA resources, topics, and tools.
- SSN Data for Research Project:** VA is the custodian for CMS and USRDS SSN data for VA research.
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**CDW Factbooks**  
Learn about tables, columns, and

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**Open Positions at VIReC**  
 VIReC is recruiting for two positions in our Data Knowledge area

- [Associate Director for Research](#)
- [Social Science Analyst](#)

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# Acknowledgements

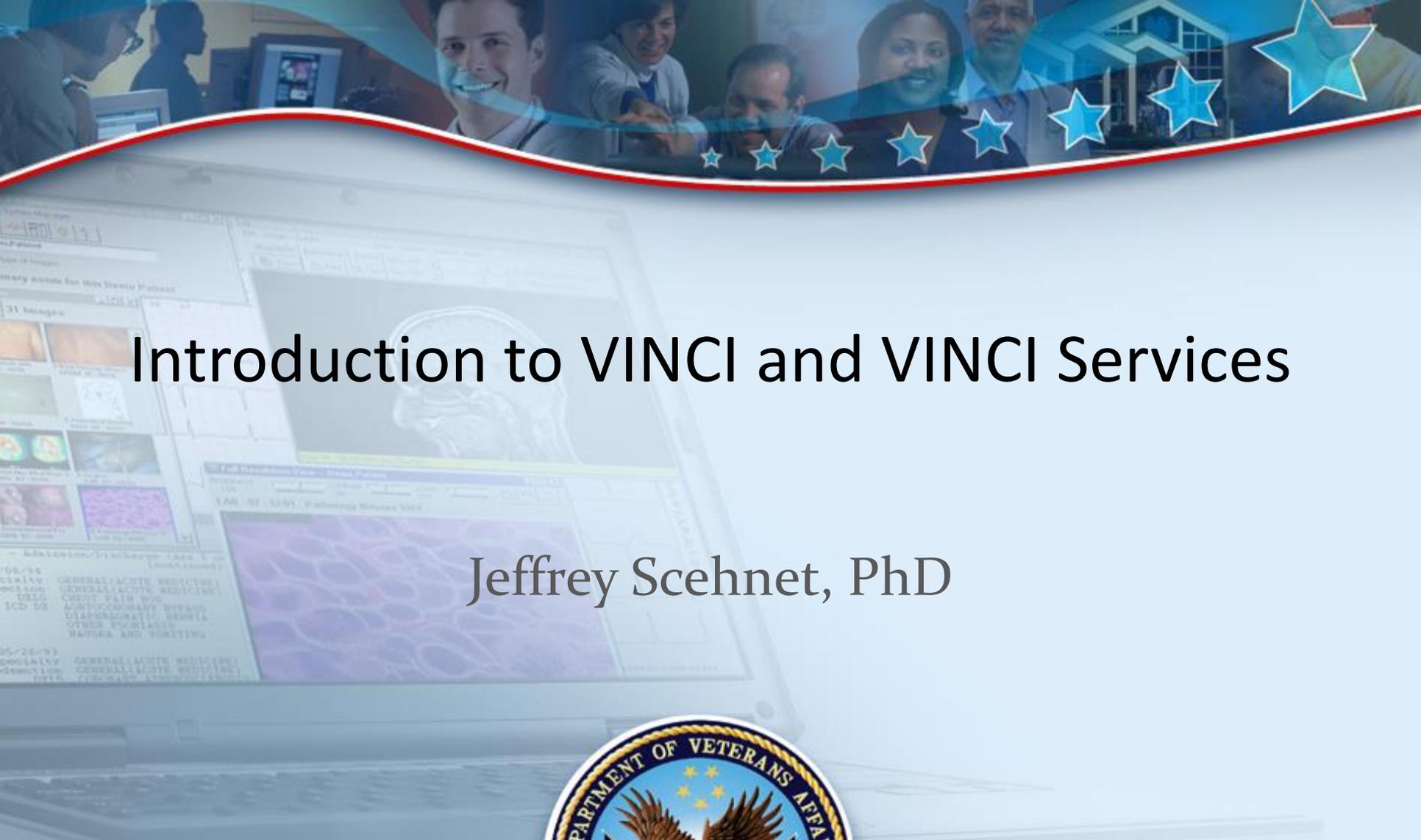
Denise M. Hynes, MPH, PhD, RN, Director

HSR&D VA Research Career Scientist (RCS 98-352)

Quality Enhancement  
Research Initiative  
(QUERI)  
(TRA 01-001)

VHA Health Services  
Research &  
Development (HSR&D)  
(SDR 98-004)

VA/CMS Data for  
Research Project  
(SDR 02-237)



# Introduction to VINCI and VINCI Services

Jeffrey Scehnet, PhD



Oct 14, 2015





# Mission

The VA Informatics and Computing Infrastructure (VINCI) Resource Center's mission is to improve the compliance, efficiency, and quality of VHA research with services and innovations supporting acquisition and analysis of healthcare data. This mission is reflected in the Resource Center's three high-level goals:





# Goals

- Goal 1. Improve the quality and efficiency of research and satisfaction of researchers through improved access to and understanding of better healthcare data, analytical technologies, and informatics tools.
- Goal 2. Uphold privacy of research subjects, security of data, and statutes governing research data while improving appropriate access to data.
- Goal 3. Reduce risk and cost while increasing quality and speed of acquiring and maintaining research technologies.





# Focus Areas

VINCI's mission is accomplished through four major focus areas: Services, Computing Infrastructure, Data, and Tools. In addition to these focus areas, VINCI embarks on special projects where dedicated teams work towards common goals that span the focus areas. VINCI's current special projects include OMOP/OHDSI and Natural Language Processing.





# VINCI Services

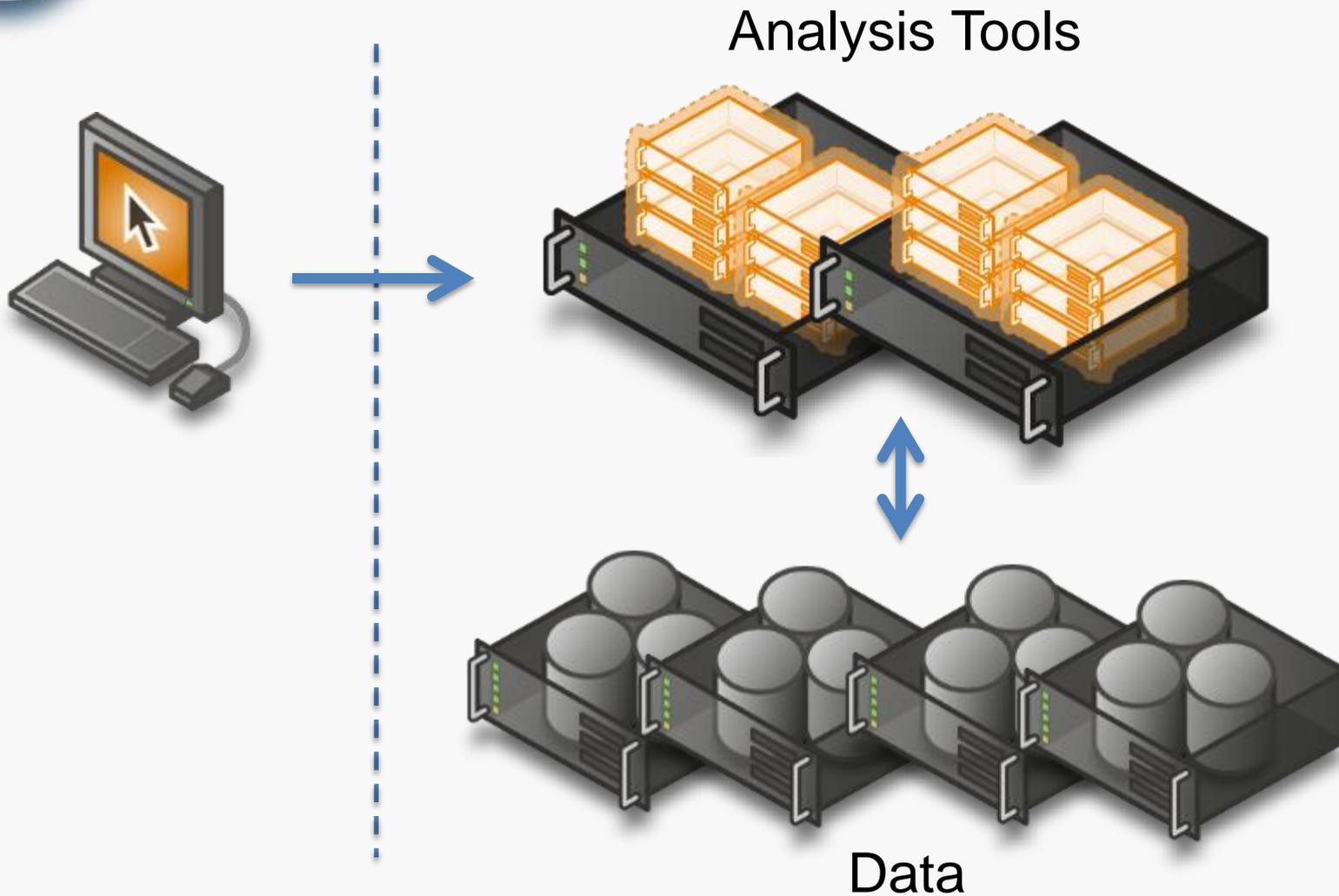
Scott DuVall, PhD  
Jeffrey Scehnet, PhD  
Kevin Malohi  
& the rest of our  
highly skilled staff

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- **Compliance**
- **Concierge**
- **Data Provisioning**
- **Preparatory to Research**
- **Clinical Trial Recruitment**
- **Annotation / Chart Review**
- **Natural Language Processing**
- **Analytics and Data Services**
- **Application Development**



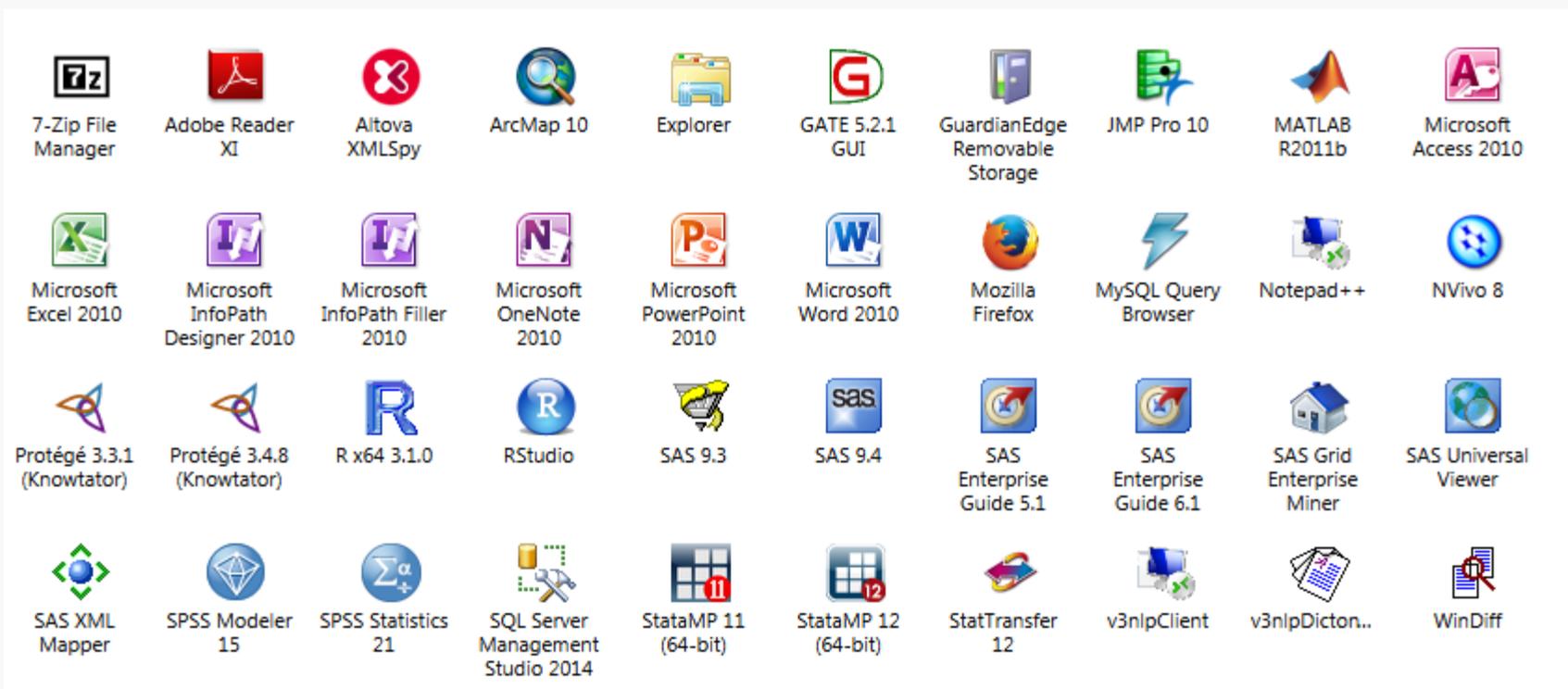
# VINCI Infrastructure





# VINCI Workspace

- VINCI provides, STATA, R, SAS, SPSS, MatLab, NLP, and other software for FREE







# VINCI Use

FY15 to date

- 5,253 Users
- 1,989 Projects
- 130 Development VMs
  
- 1,610 Education & Help Desk Tickets





# Data in VINCI

VINCI has data on more than 22 million patients receiving care at over 1,400 medical centers, outpatient clinics, nursing homes, and domiciliaries. Most data originates from the extensively used Veterans Health Information Systems and Technology Architecture (VistA), the VA electronic medical record system collected through the Corporate Data Warehouse (CDW)





# Data modeled in OMOP





# Data available for use in VINCI

## **Corporate Data Warehouse (CDW)**

CDW Production Domains

CDW Raw Domains

MCA (formerly DSS) NDE

MedSAS Files including VetsNet Files

TIU Text Notes

Vital Status Files (includes BIRLS)

## **Other Data**

CAPRI/VistAWeb

Care Assessment Need (CAN) Score (Requires Scrambled SSN Level Access)

Health Economics Resource Center (HERC) Average Cost Data

Health Economics Resource Center (HERC) V21 and Nosos Risk Scores Data

Homeless Registry

Legacy Data Warehouses (i.e. VISN 21)

MCA (formerly DSS) Web Reports

OEF/OIF Roster File

Patient Aligned Care Team (PACT) Implementation Index (Pi2)

Surgery Quality Data Users Group (SQDUG)

VSSC Web Reports

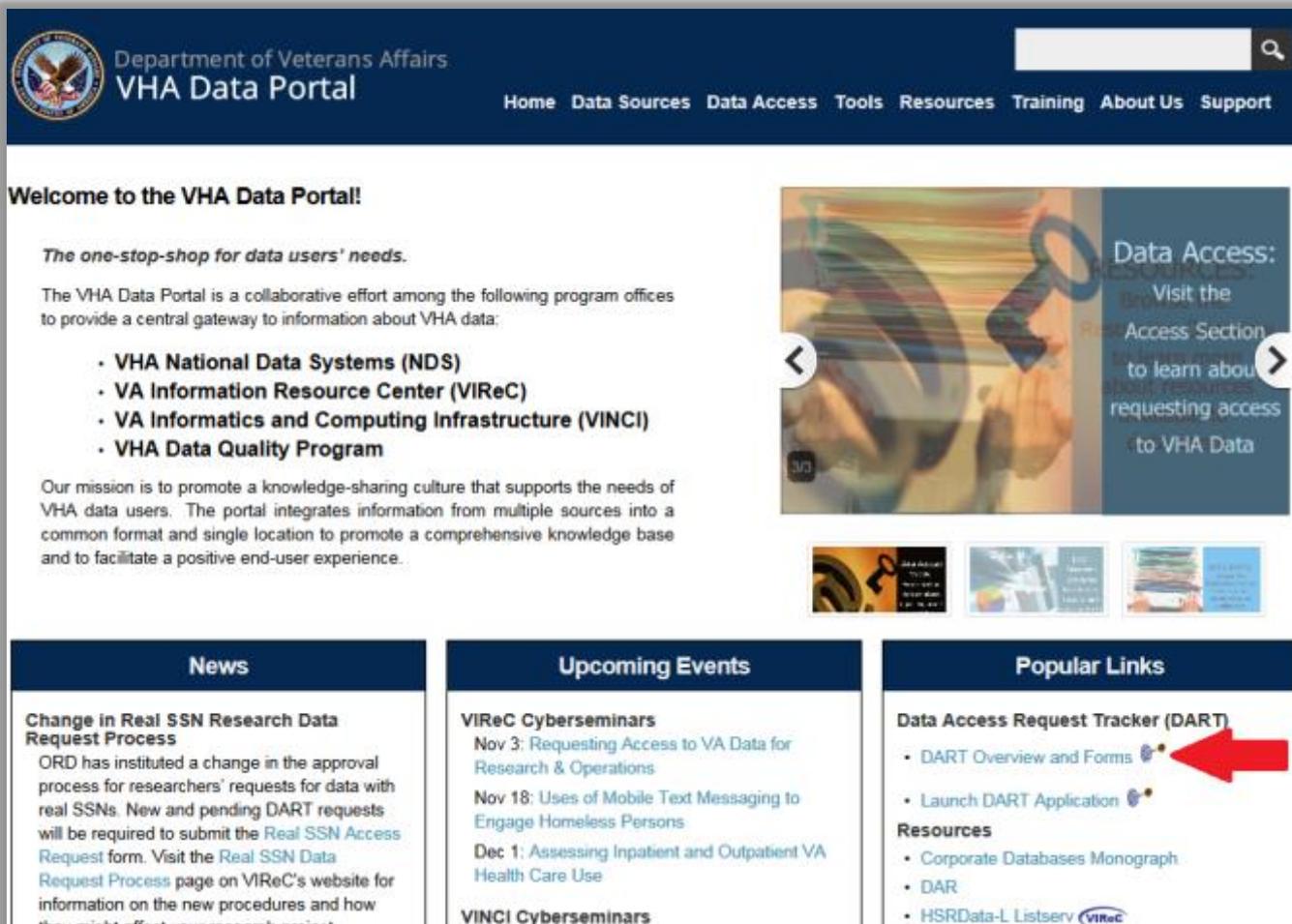
More coming soon...





# Data Tools- VHA Data Portal

<http://vaww.vhadataportal.med.va.gov>



The screenshot shows the VHA Data Portal website. At the top left is the Department of Veterans Affairs logo. The main header includes the text "Department of Veterans Affairs VHA Data Portal" and a search bar. A navigation menu contains links for Home, Data Sources, Data Access, Tools, Resources, Training, About Us, and Support. The main content area features a "Welcome to the VHA Data Portal!" message, a sub-header "The one-stop-shop for data users' needs.", and a paragraph explaining the portal's collaborative nature. A list of program offices is provided: VHA National Data Systems (NDS), VA Information Resource Center (VIReC), VA Informatics and Computing Infrastructure (VINCI), and VHA Data Quality Program. A mission statement follows. To the right is a large banner for "Data Access" with a key icon and text: "Visit the Access Section to learn about requesting access to VHA Data". Below the banner are three small thumbnail images. At the bottom, there are three columns: "News" with a link to "Change in Real SSN Research Data Request Process", "Upcoming Events" with links for "VIReC Cyberseminars" (Nov 3, Nov 18, Dec 1) and "VINCI Cyberseminars", and "Popular Links" with a link to "Data Access Request Tracker (DART)" and a red arrow pointing to "DART Overview and Forms".

Department of Veterans Affairs  
VHA Data Portal

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## Welcome to the VHA Data Portal!

*The one-stop-shop for data users' needs.*

The VHA Data Portal is a collaborative effort among the following program offices to provide a central gateway to information about VHA data:

- VHA National Data Systems (NDS)
- VA Information Resource Center (VIReC)
- VA Informatics and Computing Infrastructure (VINCI)
- VHA Data Quality Program

Our mission is to promote a knowledge-sharing culture that supports the needs of VHA data users. The portal integrates information from multiple sources into a common format and single location to promote a comprehensive knowledge base and to facilitate a positive end-user experience.

### Data Access:

Visit the Access Section to learn about requesting access to VHA Data

#### News

**Change in Real SSN Research Data Request Process**  
ORD has instituted a change in the approval process for researchers' requests for data with real SSNs. New and pending DART requests will be required to submit the [Real SSN Access Request form](#). Visit the [Real SSN Data Request Process](#) page on VIReC's website for information on the new procedures and how they might affect your research project.

#### Upcoming Events

**VIReC Cyberseminars**  
Nov 3: [Requesting Access to VA Data for Research & Operations](#)  
Nov 18: [Uses of Mobile Text Messaging to Engage Homeless Persons](#)  
Dec 1: [Assessing Inpatient and Outpatient VA Health Care Use](#)

**VINCI Cyberseminars**

#### Popular Links

**Data Access Request Tracker (DART)**

- [DART Overview and Forms](#)
- [Launch DART Application](#)

**Resources**

- [Corporate Databases Monograph](#)
- [DAR](#)
- [HSRData-L Listserv](#)





# VINCI Tools-VINCI Central

vawww.vinci.med.va.gov/vincicentral/

VINCI Central

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VIReC

HSRData-L Listserv

 **Just Ask a  
VINCI Concierge**

Home



## VA Informatics and Computing Infrastructure

*The mission of VINCI is to improve the healthcare of Veterans by providing researchers access to integrated national data sets and tools for analysis in a secure, high-performance computing environment. The vision of VINCI is to become VA researchers' preferred data source and data-processing environment.*



## Learn About VINCI

[About](#) [VINCI Workspace](#) [Software](#) [Available Data](#)



## I Want to Use VINCI

[Get a VINCI Workspace](#) [How to use VINCI](#)



## I Am a Current User

[Support](#) [Training](#) [VINCI Guides](#) [SAS Guides](#) [FAQs](#)



## Launch the VINCI Workspace

 [UPLOAD files to Workspace](#)  [DOWNLOAD files from Workspace](#)

**Did you know?**  
VINCI has 3,727 VINCI Workspace users as well as 1,329 research and 263 operations project data folders in the VINCI Workspace.



# VINCI Tools-DART



Data Access Request Tracker > [Dashboard](#)

Welcome [Duvall, Scott L.](#)

To-Do List **6**

Requests **51**

## Requests

[+ Create a New Request](#)

Filter

All

Research

Operations

Showing 11 to 20 of 51

Search:

Tracking #	Name	Type	Contact	Submitted	Status	Actions
2012-02-004-D-A04	<a href="#">Study of Patients with ANCA-Associated Vasculitides at the Department of Veterans Affairs</a>	Research Data Access	Duvall, Scott L.	07/15/2014	APPROVED	Actions
2012-03-011-D-A13	<a href="#">aBCC - Study of Advanced Basal Cell Carcinoma Patients at the Department of Veterans Affairs</a>	Research Data Access	Duvall, Scott L.	08/22/2014	APPROVED	Actions
2012-07-003-D	<a href="#">Lanny's Test Study 99</a>	Research Data Access	Duvall, Scott L.		NOT SUBMITTED	Actions
2012-07-010-D-A01	<a href="#">Descriptive Study of Patients on Selegrin</a>	Research Data Access	Duvall, Scott L.	07/10/2014	APPROVED	Actions



# VINCI Tools-ChartReview

ChartReview Home Admin Help Settings Logout

Annotation

Task

Done Save Hold/Next Submit/Next Task Info

Task Name: Blood Transfusions Associated with Dialysis  
Principal: Chronic Kidney Disease Patient 0001

Annotations

- Evidence of Transfusion
- Indication for Transfusion
- Relevant Laboratory Value

All Annotations Filter Wrap

Span Class Creation Date

Span	Class	Creation Date
transfused with 2 units RBC.	Evidence of Transfusion	08/23/2014

Is there indication of pre and post transfusion Hemoglobin values?  
Yes

Is there a mention of the cause of anemia?  
Yes

CKD Diagnoses List (39 of 39)

Diagnosis D.	Code	Description	Type
01/12/2011	V65.40	Other Unspecified Counseling	Outpatient
01/14/2011	V65.40	Other Unspecified Counseling	Outpatient
01/20/2011	V45.11	Renal Dialysis Status	Outpatient
01/20/2011	250.42	Diabetes with renal manifestations, type II	Outpatient
01/22/2011	V45.11	Renal Dialysis Status	Outpatient
01/24/2011	280.0	Iron deficiency anemia secondary to blood loss	Outpatient
01/24/2011	250.42	Diabetes with renal manifestations, type II	Outpatient

Classify: Indication for Transfusion

CKD Medications List (432 of 432)

Medication Date	Medication Name	Days Supply
12/14/2010	Metformin 500mg TAB	30
12/14/2010	Insulin (Injectable)	30
01/12/2011	Metformin 500mg TAB	30
01/12/2011	Insulin (Injectable)	30
01/24/2011	Packed Red Blood Cells	1
02/13/2011	Metformin 500mg TAB	30
02/13/2011	Insulin (Injectable)	30

Classify: Evidence of Transfusion

CKD Note List (221 of 221) 42

Reference Date Title

01/24/2011	Nephrology Progress Note
02/13/2011	Nursing Note
02/13/2011	Admission Report
02/15/2011	Inpatient Progress Note
02/16/2011	Inpatient Progress Note
02/17/2011	Inpatient Progress Note
02/18/2011	Inpatient Progress Note
02/19/2011	Inpatient Progress Note
02/20/2011	Discharge Summary

Classify:

01/24/2011  
Nephrology Progress Note  
Treating Provider: VA 00123, MD  
Patient: CKD Patient 001

HPI: 68 year old man with history of type 2 diabetes, ESRD with dialysis on M/W/F.

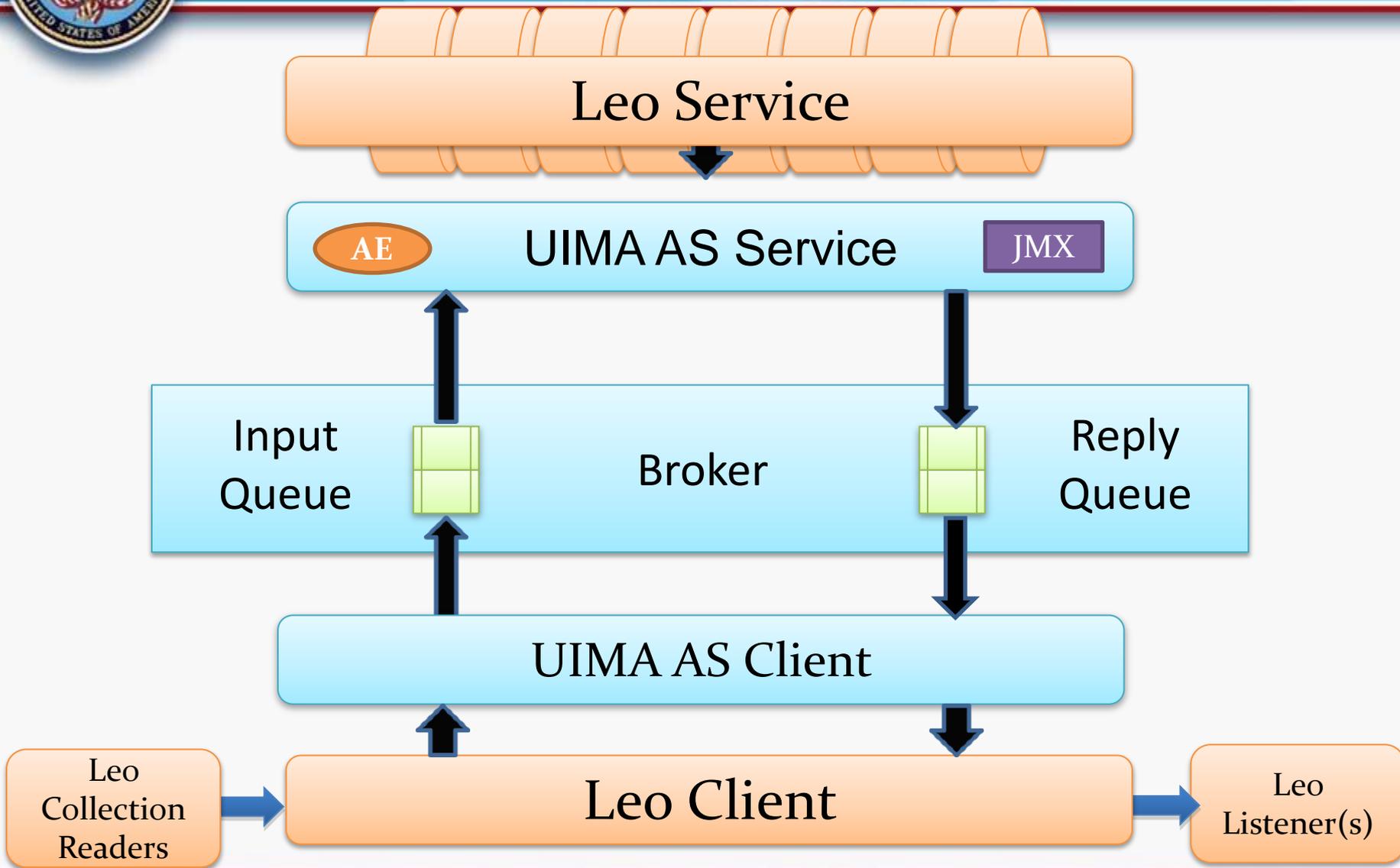
Diabetes mostly under control. Patient currently on metformin and insulin.

The patient presents with anemia (Hgb of 9g/dL) after some blood loss from an outpatient procedure. Packed red blood cells were ordered and the patient was transfused with 2 units RBC. After transfusion, patient's Hgb was 12 g/dL.

\*\*\*synthetic medical record data



# VINCI Tools-Leo





# VINCI Tools-OHDSI Suite

- **OLYMPUS – A Unified Platform for OHDSI Applications**
- **ACHILLES for data characterization**
- **CIRCE for cohort creation**
- **HERACLES for quality of care**
- **HERMES for vocabulary exploration**
- **HOMER for population-level estimation**
- **PLATO for patient-level prediction**





# DaVINCI

- DoD and VA Infrastructure for Clinical Intelligence (DaVINCI)
- Joint project between Department of Defense and VA with objectives to:
  - Increase DoD-VA data integration for interagency collaboration/resource sharing
  - Implement governance process for interagency operation & research collaboration
  - Identify technical solution for each agency to access & use data
  - Identify opportunities to leverage integrated platform to develop novel clinical tools and test computing performance





# QUESTIONS OR COMMENTS?

**PREFERRED CONTACT METHOD:**

**[VINCI@VA.GOV](mailto:VINCI@VA.GOV)**

Have you heard about VA Pulse?



It is an excellent resource to connect with your colleagues and continue conversations about this and other research topics. All you need to do is **sign up** using your VA email address.

You can start today by visiting us at HSR&D's Cyberseminar site:

**<https://www.vapulse.net/groups/hsrd-cyberseminars>**

Become part of the VINCI Services community today!

**<https://www.vapulse.net/groups/vinci-services>**

