**Health Informatics and Data Analytics Resources
REV 4.2.2020**

## (--Click link to jump to section--)

## [Data Analytics Training Resources](#DataAnalytics)

## [Health Informatics Educational Resources](#HealthInformatics)

## Data Analytics Training Resources

## VA Introduction to Health Care Data Analytics

This online course provides a broad overview of the role of data analytics in Quality Improvement efforts in health care. Explore topics such as basic statistics, data management, data visualization, tools and techniques used for data analytics. <https://vatraining.remote-learner.net/mod/page/view.php?id=18438>

## Excel

**VA Reporting and Analytics Field Training (RAFT):** The RAFT training site offers a host of training on a wide variety of Analytics topics (SQL, Excel, Access, Pyramid Analytics, SAS) as well as live training delivered via Lync. Click the link below and scroll down to view all the topics

[RAFT Data & Analytics Tools Page](http://raft.vssc.med.va.gov/Pages/TechnologyTraining.aspx)

**VA TMS (**<https://www.tms.va.gov/SecureAuth35/>**)**

**(Open TMS, copy title or ID number, and paste it into the search window)**

**Excel 2010**

1358537: Getting Started with Excel 2010

1358541: Applying Basic Data Formatting in Excel 2010

1358542: Moving and Getting Around in Excel 2010

1358543: Moving Data and Modifying Worksheets in Excel 2010

1358544: Using Conditional Formatting, Tables and Sparklines in Excel 2010

1358546: Using Basic Formulas in Excel 2010

1358635: Using Basic Functions with Excel 2010

1358638: Inserting Basic Charts in Excel 2010

1371879: PivotTables and PivotCharts in Excel 2010

1371789: Analyzing Data with What-If Analysis

**Excel 2016 (Microsoft Office ProPlus)**

4500582: Microsoft Excel 2016 Essentials: Creating, Editing, and Saving Workbooks

4500583 Microsoft Excel 2016 Essentials: Formatting Data

4500584 Microsoft Excel 2016 Essentials: Data Presentation Strategies

4500679 Microsoft Excel 2016 Essentials: Formulas and Functions

4500680 Microsoft Excel 2016 Essentials: Charts, Tables, and Images

4500684 Microsoft Excel 2016 Intermediate: Customizing Views, Styles, and Templates

4500686 Microsoft Office 2016 Intermediate Excel: Working with Data

4500685 Microsoft Office 2016 Intermediate Excel: Creating Custom Visual Effects

4500687 Microsoft Office 2016 Intermediate Excel: Macros and Advanced Queries

4500753 Microsoft Office 2016 Intermediate Excel: PivotTables and Advanced Charts

4500754 Microsoft Office 2016 Intermediate Excel: Share, Review, and Collaborate

**VA Employee Education System (MyEES/iLearn)
NOTE: Most techniques taught work in Excel 2016 too**

[Productivity Series - Calculating Mean Median and Mode with Excel](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?vid=5564980591001)

[Productivity Series - Calculating Frequency Distribution with Excel](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?vid=5589858703001)

[Productivity Series - Creating Pie Charts in Excel](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?vid=5564169010001)

[Productivity Series - Creating Pareto Charts in Excel 2010](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?bcpid=5096599368001&bckey=AQ~~,AAACmABW4_k~,u3UC4vmaoznryyARm4ZmfGFLy9JhJg14&bctid=5202227964001)

[Productivity Series - Creating Run Charts in Excel 2010](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?bcpid=5096599368001&bckey=AQ~~,AAACmABW4_k~,u3UC4vmaoznryyARm4ZmfGFLy9JhJg14&bctid=5314175075001)

[Productivity Series - Creating Line Charts in Excel 2010](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?bcpid=5096599368001&bckey=AQ~~,AAACmABW4_k~,u3UC4vmaoznryyARm4ZmfGFLy9JhJg14&bctid=5323013836001)

[Productivity Series - Creating Bar Charts in Excel 2010](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?bcpid=5096599368001&bckey=AQ~~,AAACmABW4_k~,u3UC4vmaoznryyARm4ZmfGFLy9JhJg14&bctid=5322674818001)

[Excel 2010: Basic Formulas](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?bcpid=5096599368001&bckey=AQ~~,AAACmABW4_k~,u3UC4vmaoznryyARm4ZmfGFLy9JhJg14&bctid=4805472050001)

[Excel 2010: Function Basics](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?bcpid=5096599368001&bckey=AQ~~,AAACmABW4_k~,u3UC4vmaoznryyARm4ZmfGFLy9JhJg14&bctid=4775911365001)

[Excel 2010: Pivot Table Basics](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?bcpid=5096599368001&bckey=AQ~~,AAACmABW4_k~,u3UC4vmaoznryyARm4ZmfGFLy9JhJg14&bctid=4805356061001)

[Excel 2010: Charting Basics](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?bcpid=5096599368001&bckey=AQ~~,AAACmABW4_k~,u3UC4vmaoznryyARm4ZmfGFLy9JhJg14&bctid=4805403756001)

**Non-VA training**

[Excel 2010 Tutorials (YouTube)](https://www.youtube.com/results?search_query=excel+2010)

[Excel 2016 Tutorials (YouTube)](https://www.youtube.com/results?search_query=excel+2016+tutorial)

## Access

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**Employee Education System (EES)**

[Microsoft Access 2010 Basics Part 1](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?bcpid=5096599368001&bckey=AQ~~,AAACmABW4_k~,u3UC4vmaoznryyARm4ZmfGFLy9JhJg14&bctid=4775968912001)

[Microsoft Access 2010 Basics Part 2](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?bcpid=5096599368001&bckey=AQ~~,AAACmABW4_k~,u3UC4vmaoznryyARm4ZmfGFLy9JhJg14&bctid=4775958208001)

**VA TMS (**<https://www.tms.va.gov/SecureAuth35/>**)**

**(Open TMS, copy title or ID number, and paste it into the search window)**

**Access 2010**

1372564: Getting Started with Access 2010

1372560: Creating Basic Tables in Access 2010

1372562: Data manipulation and Simple Relationships in Access 2010

1376131: Introduction to Forms in Access 2010

1372615: Modifying Basic Forms in Access 2010

1372566: Introduction to Queries in Access 2010

1376134: Introduction to Reports in Access 2010

**Access 2016 (Microsoft Office ProPlus)**

4500852 Introduction to the Access 2016 Interface, Database Management, and Tables

4500853 Creating Relationships, Queries, Forms and Reports in Access 2016

**Non-VA training**

[Access 2010 Tutorials (YouTube)](https://www.youtube.com/results?search_query=access+2010+tutorial)

[Access 2016 Tutorials (YouTube)](https://www.youtube.com/results?search_query=access+2016+tutorial)

##  Office 365 (General)

**Office 365 Help Site**

[O365 Help site](http://go.va.gov/a2q8)

[Microsoft describes the improved features of Office 365 ProPlus](http://go.va.gov/z5i7)

[Microsoft training opportunities](http://go.va.gov/mz7d)

## Microsoft Power BI

**Microsoft Power BI** is a business intelligence platform that provides nontechnical business users with tools for aggregating, analyzing, visualizing and sharing data. ... Users can download an application for Windows 10, called Power BI Desktop, and native mobile apps for Windows, Android and iOS devices.
**NOTE**: It also offers Pyramid Analytics training
**NOTE**: You must be logged into the VA network to access this resource

<https://vaww.cdw.va.gov/sites/PBI/TrainingRegistration/Pages/Home.aspx>

## Pyramid Analytics

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**PA Support Mailbox** - BISLPASupport@va.gov

**Points of Contact for help with DATA** - [PA Points of Contact](https://vaww.cdw.va.gov/bisl/SSASandPA/SitePages/Pyramid_Content_POCs.aspx)

**Non-VA training**

[Pyramid Analytics Tutorials (YouTube)](https://www.youtube.com/results?search_query=pyramid+analytics+tutorial)

## SAS

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[RAFT Data & Analytics Tools Page](http://raft.vssc.med.va.gov/Pages/TechnologyTraining.aspx)

**VA Informatics and Computing Infrastructure (VINCI) User Guides page:** In addition to VINCI and Observational Medical Outcomes Partnership (OMOP) guides, this page offers several SAS-related user guides.

[VINCI User Guides page](https://vaww.vinci.med.va.gov/VinciCentral/Guides/Index)

**Non-VA training**

[SAS Tutorials (YouTube)](https://www.youtube.com/results?search_query=sas+training+videos+-british)

[SAS.com Training Resources](http://support.sas.com/training/index.html)

**Various Specialties:**

**Medcom Training:**
EES has formed a partnership with Medcom to deliver hundreds of accredited health care courses via the VA TMS. Medcom is an accredited provider of continuing education in many health care specialties. Visit the Medcom page on MyEES for more information and course lists by health care topic and area.

[MyEES Medcom Training Page](https://lnks.gd/l/eyJhbGciOiJIUzI1NiJ9.eyJidWxsZXRpbl9saW5rX2lkIjoxMTYsInVyaSI6ImJwMjpjbGljayIsImJ1bGxldGluX2lkIjoiMjAyMDAxMTMuMTUzODE3NjEiLCJ1cmwiOiJodHRwczovL215ZWVzLmxybi52YS5nb3YvTWVkY29tJTIwQ291cnNlcy9TaXRlUGFnZXMvZGVmYXVsdC5hc3B4In0.y0f4Oq5-pGFLmi2yCPkv0sge-AABJGvrQwA1RWYUFgw/br/73906017579-l)

**VA Enterprise Training Resources (ETR):**
Enterprise Training Resources (ETR) function is to be the information and research capability for Department of Veterans Affairs (VA) Headquarters, staff and field operations integrating all non-clinical and clinical training resources into one easily accessible knowledge hub. ETR's online solution provides Organizational and Individual Training Planners, Research capabilities, and serves as a gateway to Training Partners including VA Acquisition Academy, HR Academy, SkillSoft, Office of Personnel Management (OPM), No/Low Cost Massive Open Online Courses (MOOCs), and VHA National Desktop Library.
**NOTE**: You must be logged into the VA network to access this resource

[VA Enterprise Training Resources](https://vaww.vashare.vaco.va.gov/sites/ETR/SitePages/Home.aspx)

## SQL (Structured Query Language)

**NOTE:** SQL training is recommended for those who regularly query large databases to extract data for their analytics tasks.

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**VA TMS (**<https://www.tms.va.gov/SecureAuth35/>**)**

**(Open TMS, copy title or ID number, and paste it into the search window)**

3835061: Microsoft SQL Server 2012: Querying Basics and Modifying Data

**Non-VA training**

[SQL Query video tutorials (YouTube)](https://www.youtube.com/results?search_query=sql+queries+tutorial)

## Corporate Data Warehouse (CDW)

**Health Services Research & Development Service (HSR&D)**

[HSR&D CDW Page](http://www.hsrd.research.va.gov/for_researchers/vinci/cdw.cfm)

**Business Intelligence Service Line (BISL)**

[BISL CDW Home](https://vaww.cdw.va.gov/Pages/CDWHome.aspx)

## SAIL (Strategic Analysis for Improvement and Learning)

**VA Pulse**

**SAIL Training and Other Resources Page:** This page provides users with SAIL educational learning resources, data tools, relevant journal articles, improvement blogs and other learning products. It provides a variety of information – from how to get started using SAIL to a step by step walkthrough of data sources and measure calculations.

[SAIL Training and Other Resources Page](https://sail.vssc.med.va.gov/Pages/Training-Resources.aspx)

**VA Employee Education System (MyEES/iLearn)**

[SAIL: How to Understand and Use the Information for Healthcare System Improvement](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?bcpid=5096599368001&bckey=AQ~~,AAACmABW4_k~,u3UC4vmaoznryyARm4ZmfGFLy9JhJg14&bctid=4805357890001)

## Statistics

**VA TMS (**<https://www.tms.va.gov/SecureAuth35/>**)**

**(Open TMS, copy title or ID number, and paste it into the search window)**

**Online Books (Skillsoft Books):**

2052050: Advanced Statistics Demystified

3867943: Data Mining and Statistics for Decision Making

**Non-VA training**

**Stanford University Open Learning Initiative**

[Statistical Reasoning](http://oli.stanford.edu/statistical-reasoning/)

[Probability and Statistics](http://oli.stanford.edu/probability-statistics)

**Khan Academy (NOTE:** You must use either the Chrome or Microsoft Edge web browser**.** Internet Explorer is not supported**)**

[Statistics and Probability](https://www.khanacademy.org/math/statistics-probability)

## Lean/Six Sigma

**VA TMS (**<https://www.tms.va.gov/SecureAuth35/>**)**

**(Open TMS, copy title or ID number, and paste it into the search window)**

**Online courses in TMS:**

4503074: Basic Statistics for Six Sigma

4503069: Six Sigma and Lean Foundations and Principles

4500611: Fundamentals of Lean and Six Sigma and their Applications

**Online Books (Skillsoft Books):**

4501081: Lean Six Sigma Demystified

3867945: Practitioners’ Guide for Statistics and Lean Six Sigma for Process Improvements

**Non-VA training**

Six Sigma Online: <http://www.sixsigmaonline.org/six-sigma-training-certification-information/category/six-sigma-general/>

[www.isixsigma.com](http://www.isixsigma.com)  (FREE- Discussions, forums, and other Six Sigma related news)

[www.sixsigmaproductsgroup.com](http://www.sixsigmaproductsgroup.com)  (Training aids, reference materials and Six Sigma software

for purchase)

## FileMan

**VA National ADPAC FileMan The Series 2013**

<https://dvagov.sharepoint.com/sites/VHAnational-adpac/SitePages/Home.aspx>

[Video: FileMan The Series 2013 Part 1- The Data Dictionary](https://vaww.visn23.portal.va.gov/SiteDirectory/clinproviders/nationalADPAC/Shared%20Documents/Monthly%20ADPAC%20Meeting%20Recordings/Previous/Misc/National%20ADPAC%20Call%20-%20Nov%2012%202013%2010.03.18%20AM.wmv)[Video: FileMan The Series 2013 Part 2- Inquire to File Entries](https://vaww.visn23.portal.va.gov/SiteDirectory/clinproviders/nationalADPAC/Shared%20Documents/Monthly%20ADPAC%20Meeting%20Recordings/Previous/Misc/National%20ADPAC%20Call%20-%20Dec%2010%202013%2010.03.18%20AM.wmv)[Video: FileMan The Series 2013 Part 3- Sort File Entries](https://vaww.visn23.portal.va.gov/SiteDirectory/clinproviders/nationalADPAC/Shared%20Documents/Monthly%20ADPAC%20Meeting%20Recordings/Previous/Misc/National%20ADPAC%20Call%20-%20Feb%2011%202014%2010.02.54%20AM.wmv)[Video: FileMan The Series 2013 Part 3A- FileMan Printing](https://vaww.visn23.portal.va.gov/SiteDirectory/clinproviders/nationalADPAC/Shared%20Documents/Monthly%20ADPAC%20Meeting%20Recordings/Previous/Misc/National%20ADPAC%20Call%20-%20Apr%2008%202014%2010.02.48%20AM.wmv)[Video: FileMan The Series 2013 Part 4- Search File Entries](https://vaww.visn23.portal.va.gov/SiteDirectory/clinproviders/nationalADPAC/Shared%20Documents/Monthly%20ADPAC%20Meeting%20Recordings/Previous/Misc/National%20ADPAC%20Call%206%2010%20-%20Jun%2010%202014%2010.01.23%20AM.wmv)[Website: VistA Metadata Repository](http://enterprise.metadata.va.gov/pls/apex/f?p=VISTA:1:3673902919028482:::::)[Job Aide: FileMan Purple Pages, FM Functions, Useful links for FileMan knowledge](https://vaww.visn23.portal.va.gov/SiteDirectory/clinproviders/nationalADPAC/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2FSiteDirectory%2Fclinproviders%2FnationalADPAC%2FShared%20Documents%2FFileMan%20the%20Series%202014&FolderCTID=0x012000602C0C94)

**VA Employee Education System (MyEES/iLearn)**

[Basic FileMan](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?vid=4807481765001)

[FileMan for HIM I: Theory, Foundation, and Resources](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?vid=4810751410001)

[FileMan for HIM II: Nuts, Bolts, and Practical Applications](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?vid=4810751412001)

[CIS: VA FileMan: How to design custom reports from ORDER file #100](https://myees.lrn.va.gov/Watch/Video%20Center.aspx?vid=4810483575001)

## Miscellaneous

**VA Information Resource Center (VIReC):** VIReC is an HSR&D funded resource center with the mission is to advance VA capacity to use data effectively for research and quality improvement.

[VIReC Cyberseminars](http://www.virec.research.va.gov/Resources/Cyberseminars.asp)

**VA Health Services Research & Development Service (HSR&D):** HSR&D's Cyberseminars offer state-of-the art training and special interest sessions via live web conferences and 24/7 on-demand archived presentations.

[VA HSR&D Cyberseminars](http://www.hsrd.research.va.gov/cyberseminars/default.cfm)

**VA VHA Data Portal:** The VHA Data Portal provides access to a variety of educational presentations and training resources for VHA data users including cyberseminars, tutorials, presentations, training videos, and user guides.

[VA VHA Data Portal Training Overview page](http://vaww.vhadataportal.med.va.gov/Training/TrainingOverview.aspx)

**VHA Data Users Conference Call:** This monthly open-forum meeting features representatives from many VHA data groups ready to provide any pertinent updates and to be there to answer any questions you may have. From Office of Informatics and Analysis (OIA): Office of Productivity, Efficiency, and Staffing (OIA/OPES), the National Data System (OIA/NDS), VA Inpatient Evaluation Center (OIA/IPEC), and the VHA Support Service Center (OIA/VSSC). Other data offices represented are the Managerial Cost Accounting Office (MCAO), the Allocation Resource Center (ARC), the Office of VA Information Resource Center (VIREC), and the office of Veterans’ Informatics, Information, & Computing Infrastructure (VINCI). This call has an open agenda allowing for direct communication with data users for questions, requests, clarifications or other feedback. The main part of the call is an “open microphone” for everyone to participate allowing you to ask questions about anything produced by the VSSC, DSS, OQP or the ARC including any report, the web page, training or other items. Attendees have the ability to send in questions ahead of time.

[VHA Data Users Conference Call](http://raft.vssc.med.va.gov/Pages/usercall.aspx)

**VA National Pharmacy Benefits Management (PBM) Services:**

[VA PBM Course Catalog](http://vapharmacytraining.remote-learner.net/mod/data/view.php?id=6126)

[Return to Top of Document](#Top)

## Health Informatics Educational Resources

| **Resource** | **Description** | **Suggested Audience** | **Link** |
| --- | --- | --- | --- |
| **Introduction to Health Care Data Analytics** | Nine-week online course provides foundational knowledge and skills in health care data analytics that will equip students to contribute more effectively to local data and performance improvement efforts. Offered 3 times a year. | Anyone interested in health care data analytics. Accredited for 31 units by ANCC, ACCME, ACCME-NP, APA, ACPT, ASWB and NYSED SW. Eligible for ABPM MOC Part 2A (LLSA) requirements for Clinical Informatics Board Diplomates and eligible for CAHIMS and CPHIMS approved credits. | VA Health Informatics Online Classroom<http://vatraining.remote-learner.net/mod/page/view.php?id=18438> |
| **Introduction to Health Informatics** **(HI 101)** | Six self-paced online modules offered one per month on a rotating basis provide a general overview of Health Informatics | Anyone working in or interested in Health Informatics. Unlimited enrollment. Introductory level. Non-accredited course. | VA Health Informatics Online Classroom [http://vatraining.remote-learner.n-et/mod/data/view.php?id=5094](http://vatraining.remote-learner.net/mod/data/view.php?id=5094) |
| **VA Health Informatics Lecture Series (HI 301)** | 45 accredited video lectures provide a broad survey course on the principles and practice of Health Informatics. This series is the core curriculum for the VA Health Informatics Certificate Program (10x10) | Anyone working in or interested in Health Informatics. Unlimited enrollment. Intermediate level. Courses accredited by ANCC, ACCME, ACCME-NP, APA, ACPT. Check brochure for details. Also eligible for ABPM MOC Part 2A (LLSA) requirements for Clinical Informatics Board Diplomates. | TMS**Health Informatics Lecture Series (301)**1. Log into TMS (<https://www.tms.va.gov/SecureAuth35/>)2. Search for "Health Informatics Lecture Series (301)"3. From the search results, select "Health Informatics Lecture Series (301)"4. Choose "Start Course"Download/Print Catalog of lectures: <https://vatraining.remote-learner.net/pluginfile.php/7806/mod_page/content/58/Health%20Informatics%20Lecture%20Series%20Course%20Guide%202017.pdf>Online Catalog: <https://vatraining.remote-learner.net/course/view.php?id=8>  |
| **VA Health Informatics Certificate Program (AMIA 10x10)**  | Rigorous six-month online program designed to build a cadre of leaders in Health Informatics. Offered twice per year. | Current or emerging leaders in Health Informatics. Enrollment Limited to 35 students per session.  | VA Health Informatics Online Classroom<http://vatraining.remote-learner.net/mod/page/view.php?id=5093> |
| **HIS-CAC National Training Program**  | Online course designed to enhance the skills of Health Informatics Specialists (HIS) and Clinical Application Coordinators (CAC) | Anyone who is in a HIS or CAC role or is in training for a HIS or CAC role. May include TCF interns. | <http://vatraining.remote-learner.net/mod/data/view.php?id=13756> |
| **CPRS Training** | SharePoint site that houses training resources for latest versions of CPRS | Anyone who is responsible for coordinating training of new software releases for CPRS. | <https://vaww.vha.esp.va.gov/sites/OIA/SitePages/Home.aspx>  |
| **Nursing Informatics Guided Study Group** | Online study group designed to prepare RN’s to sit for the ANCC Nursing Informatics Certification Exam | RNs in any Nursing Informatics roles including Nursing Informatics Specialists, AdPacs, CAC’s, HIS, BCMA Coordinators, VANOD, DSS, etc. | VA Health Informatics Online Classroom – Self enroll here:[Nursing Informatics Guided Study Group](https://vatraining.remote-learner.net/course/view.php?id=114) |
| **Pharmacy Informatics**  | Extensive catalog of offerings including VistA, CPRS, Fileman Classes, etc. | Pharmacy Informatics, AdPacs, CAC, HIS, etc. |  VA Pharmacy Online Classroom<http://vapharmacytraining.remote-learner.net/index.php> |
| **MyVeHU Campus** | MyVeHU Campus closed in July 2016. Its extensive catalog of clinical and informatics sessions is moving to EES. | Anyone working in or interested in Health Informatics.  | 1. Go to the MyEES website: <https://myees.lrn.va.gov/default.aspx>
2. Click the “Video Center” icon
3. On the Video Center page, type “VeHU” into the “Search Videos” search box then select your video from the results. **NOTE**: You must use the “Search Videos” box
 |
| **Healthcare Analytics Certificate Program** | Four course certificate program offered through collaboration between Nebraska Methodist College & VA Nebraska-Western Iowa.  | Designed to develop skills for analyzing data, translating information into knowledge, and exploring opportunities for improvements. | Healthcare Analytics Certificate Program: <http://blog.methodistcollege.edu/hacp> |
| **Nursing Informatics Continuing Education Series** | Monthly webinars on current nursing informatics topics. Schedule and resources now on VA Health Informatics Online Classroom. | Open to anyone interested in nursing informatics topics. Each session accredited by ANCC for RNs, follow instructions on website to register in TMS. | VA Health Informatics Online Classroom – Self enroll in the Nursing Informatics Continuing Education Series here:<https://vatraining.remote-learner.net/course/view.php?id=275>POCs: Lynn Schuler or Danielle Marano |
| **Health Services Research & Development Cyberseries** | HSR&D's cyberseminars provide training and special interest sessions available 24/7 as live web conferences and on-demand archived presentations. | Anyone interested in learning about VA research activities, e.g. key issues around clinical informatics | HSR&D Cyberseminars: <http://www.hsrd.research.va.gov/cyberseminars/default.cfm> |
| **Project / Program Management** | Multiple offerings in TMS, through VA Acquisition Academy | Anyone seeking training and/or certification in Project or Program Management | Log onto TMS then search for “Project Management.” <https://www.tms.va.gov/SecureAuth35/>VA Acquisition Academy: <http://vaww.acquisitionacademy.va.gov/schools/ppm/index.asp>Federal Acquisition Institute:<https://www.fai.gov/drupal/training/find-and-register-for-courses>Defense Acquisition University: <https://www.dau.mil>Twenty-Eight Strategy Execution (Formerly ESI). VA students will receive a 10% discount from GSA rates.<https://www.strategyex.com> |
| **Six Sigma LEAN Training** | Various offerings at national, VISN and local levels. Check with your Educaton Dept & TMS Administrator | Excellent training for all informatics and analytics staff | Search for LEAN and or Six Sigma **EES:**<https://myees.lrn.va.gov/iLearn.aspx/#q=LEAN>**TMS**:<https://www.tms.va.gov/SecureAuth35/> |
| **Core Coach/Mentor Training via Healthcare Leadership Talent Institute (HLTI)** | Training resources for certified coaches, mentors and preceptors. The certification is facilitated at the local or VISN levels. Please check with your Education Department for more information.  | Anyone interested in serving as a coach, mentor or preceptor  | <http://vaww.hlti.va.gov/>Search for “Mentoring” or “Core Coach” |
| **Skillsoft Books****(Formally Books 24/7)** | Access thousands of online and audio books | Great resource for technical, project management, analytics and informatics topics | <http://www.valu.va.gov/Home/Explore>Access thru TMS:<https://www.tms.va.gov/SecureAuth35/> |
| **e-books** | Online Series: Studies in Health Technology and Informatics | Great resource library for VA staff | <http://ebooks.iospress.nl/bookseries/studies-in-health-technology-and-informatics> |
| **Safari Books Online** | Access hundreds of books and video resources for Microsoft products | Great technical resource library- available to all VA staff  | <http://mserefcorp.safaribooksonline.com/?uicode=dva> |
| **VHA National Desktop Library** | National subscriptions to journals, e-books etc. through your local or national library. JAMIA, CIN etc. | Great resource for VA staff working in all areas. | <http://www.va.gov/library> |
| **VA Internship Programs**  | Listing of internship programs in VA including the Technical Career Field Internship Program | VA employees, non-employees, veterans etc. Anyone interested in a VA career. | [Home - Technical Career Field (TCF) Programs](https://dvagov.sharepoint.com/sites/vhawmcHLTI/Employee_Development/TCF)[Home - VA Aspiring Leaders](https://dvagov.sharepoint.com/sites/vhawmcHLTI/Employee_Development/VALP)[Home - VHA Pathways Programs](http://vaww.succession.va.gov/Employee_Development/pathways/default.aspx) |
| **SNOMED CT Courses** | IHTSDO offers free online courses to learn about SNOMED CT.  | Anyone interested in learning about SNOMED CT. Some courses require previous knowledge and/or experience with SNOMED CT. If you are new to SNOMED consider starting with the starter tutorials. | SNOMED CT Homepage: <https://www.snomed.org/> |
| **Evidence-Based Health Informatics - Promoting Safety and Efficiency Through Scientific Methods and Ethical Policy** | Open Source eBook- free to download |  | <http://ebooks.iospress.nl/volume/evidence-based-health-informatics-promoting-safety-and-efficiency-through-scientific-methods-and-ethical-policy> |

[Return to Top of Section](#SectionTop)

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