**Health Informatics and Data Analytics Resources   
REV 01.05.2022**

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## Data Analytics Training Resources

| **Resource** | | **Description** | | | | | | **Link** | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EXCEL TRAINING** | | | | | | | | | | | | |
| **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, SAS) as well as live training delivered via streaming. | | | | | | Click the link below and scroll down to view all the topic  [RAFT Data & Analytics Tools Page](http://raft.vssc.med.va.gov/Pages/TechnologyTraining.aspx) | | | | |
| **VA TMS** | | **Open TMS, copy title or ID number, and paste it into the search window**  **Excel 2016 (Microsoft Office 365)**  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.  **NOTE**: Search for “Microsoft Excel” to find more | | | | | | **VA TMS**  Open TMS, copy title or ID number, and paste it into the search window | | | | |
| **Non-VA training** | | A list of YouTube training videos | | | | | | [Excel 2016 Tutorials (YouTube)](https://www.youtube.com/results?search_query=excel+2016+tutorial) | | | | |
| **ACCESS TRAINING** | | | | | | | | | | | | |
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| **Employee Education System MyEES/iLearn)** | | **NOTE: Most of the basics taught work in Access 2016 too** | | | | | | [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** | | **Open TMS, copy title or ID number, and paste it into the search window**  **Access 2016 (Microsoft Office 365)**  4500852 Introduction to the Access 2016 Interface, Database Management, and Tables  4500853 Creating Relationships, Queries, Forms & Reports in Access 2016  **NOTE**: Search for “Microsoft Access” to find more | | | | | | **VA TMS**  Open TMS, copy title or ID number, and paste it into the search window | | | | |
| **Non-VA training** | | A list of YouTube training videos | | | | | | [Access 2016 Tutorials (YouTube)](https://www.youtube.com/results?search_query=access+2016+tutorial) | | | | |
| **PYRAMID ANALYTICS / BI OFFICE** | | | | | | | | | | | | |
| **Pyramid Analytics/BI Office Support Site** | | Your One Stop for Support, Announcements and Training for  ​​​​​​​Pyramid Analytics & BI Office | | | | | | [Pyramid Analytics/BI Office Support Site Home Page](https://dvagov.sharepoint.com/sites/vhapyramid/SitePages/Pyramid-Analytics-Support-Site.aspx) | | | | |
| **Non-VA training** | | A list of YouTube training videos | | | | | | [Pyramid Analytics Tutorials (YouTube)](https://www.youtube.com/results?search_query=pyramid+analytics+tutorial) | | | | |
| **SAS** | | | | | | | | | | | | |
| **VA Reporting & Analytics Field Training (RAFT):** | | The RAFT training site offers a host of training on a wide variety of Analytics topics (SQL, Excel, Access, SAS) as well as live training delivered via streaming. | | | | | | Click the link below and scroll down to view all the topic  [RAFT Data & Analytics Tools Page](http://raft.vssc.med.va.gov/Pages/TechnologyTraining.aspx) | | | | |
| **VA Informatics & 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** | |  | | | | | |  | | | | |
| **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) | | | | |
|  | | | | | | | | | | | | |
| **SQL (Structured Query Language)** | | | | | | | | | | | | |
| **NOTE:** SQL training is recommended for those who regularly query large databases to extract data for their analytics tasks | | | | | | | | | | | | |
| **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, SAS) as well as live training delivered via streaming. | | | | | | Click the link below and scroll down to view all the topic  [RAFT Data & Analytics Tools Page](http://raft.vssc.med.va.gov/Pages/TechnologyTraining.aspx) | | | | |
| **VA TMS** | | **Open TMS, copy title or ID number, and paste it into the search window**  3835061: Microsoft SQL Server 2012: Querying Basics and Modifying Data  4572480: Mastering SQL (Skillsoft Books)  4500729: Introduction to SQL  4500847: Introduction to SQL: Managing Table Design  4500847: Introduction to SQL: Views, Transactions, and SQL Security Architecture  **NOTE**: Search for “Structured Query Language” to find more | | | | | | **VA TMS**  Open TMS, copy title or ID number, and paste it into the search window | | | | |
| **Non-VA training** | | A list of YouTube training videos | | | | | | [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) | | | | |
| **STATISTICS** | | | | | | | | | | | | |
| **VA TMS** | | **Open TMS, copy title or ID number, and paste it into the search window**  **Online Books (Skillsoft Books):**  4580360, 4580359, 4607022: Advanced Statistics Demystified  4590328: Data Mining and Statistics for Decision Making | | | | | | **VA TMS**  Open TMS, copy title or ID number, and paste it into the search window | | | | |
| **Non-VA training** | | **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** | | **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  4587006: Practitioners’ Guide for Statistics and Lean Six Sigma for Process Improvements | | | | | | **VA TMS**  Open TMS, copy title or ID number, and paste it into the search window | | | | |
| **Non-VA training** | | **FREE- Discussions, forums, and other Six Sigma related news**  <http://www.sixsigmaonline.org/six-sigma-training-certification-information/category/six-sigma-general>  **Training aids, reference materials and Six Sigma software for purchase**  [www.sixsigmaproductsgroup.com](http://www.sixsigmaproductsgroup.com)  **National Standardized Lean Training Site**  <https://dvagov.sharepoint.com/sites/VHAQPS/OQSV/QPS-SR/SRD/education/LeanTraining/SitePages/Home.aspx>  **Pocha, C. (2010). Lean Six Sigma in health care and the challenge of implementation of Six Sigma methodologies at a Veterans Affairs Medical Center. Quality Management in Healthcare, 19(4), 312-318. doi: 10.1097/QMH.0b013e3181fa0783.** <https://journals.lww.com/qmhcjournal/Fulltext/2010/10000/Lean_Six_Sigma_in_Health_Care_and_the_Challenge_of.6.aspx>  **YouTube**  [Six Sigma Green Belt Training](https://www.youtube.com/results?search_query=six+sigma+green+belt+training) | [Six Sigma Yellow Belt Training](https://www.youtube.com/results?search_query=six+sigma+yellow+belt+training) | [Lean Six Sigma Black Belt Training](https://www.youtube.com/results?search_query=lean+six+sigma+black+belt+training) | | | | | | | | | | |
| **FILEMAN** | | | | | | | | | | | | |
| **VA National ADPAC FileMan The Series 2013** | | NOTE: Link provided goes to National ADPAC SharePoint site. PPTs for the 2013 series are available there | | | | | | <https://dvagov.sharepoint.com/sites/VHAnational-adpac/SitePages/Home.aspx> | | | | |
| **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) | | | | |
| **WORKFLOW ANALYSIS** | | | | | | | | | | | | |
| **CORE CURRICULUM** | | | | | | | | | | | | |
| **Topic** | **Course Title** | | **Link/Lookup** | | | **Description** | | | **Availability** | | **Credit Hours** | |
| Workflow Mapping | Workflow Mapping and Business Process Modeling | | <https://vatraining.remote-learner.net/course/view.php?id=522> | | | Module covers fundamentals of workflow process analysis & business process modeling. Graphical process representation using flow chart diagrams and Business Process Modeling Notation, as well as methods for acquiring the clinical process knowledge needed for diagramming and analysis, are also addressed.  **NOTE**: If you don’t have an account with the VHA Health Informatics Online Classroom, you will need to create one for access | | | On Demand | | 5 Hours General Education Credit | |
|  | | | | | | | | | | | | |
| **Topic** | **Course Title** | **Link/Lookup** | | | | | **Description** | | | **Availability** | | **Credit Hours** |
| Business Process Model & Notation (BPMN) | Introduction to VHA Process Modeling with Business Process Modeling and Notation (BPMN 2.0) | [https://web.microsoftstream.com/video/21a3e4af-e2eb-4eb8-8e54-3381f7d3866d](https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fweb.microsoftstream.com%2Fvideo%2F21a3e4af-e2eb-4eb8-8e54-3381f7d3866d&data=04%7C01%7C%7C8bfc02afba6e4e96a71508d99578b0d0%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637705167877285766%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=7sSadCKBQNK99%2BZzJ7mq%2BC19oFMT6arfmHV4b6h8CKw%3D&reserved=0). | | | | | * Orient Clinical Informaticists and others to Process Modeling and BPMN 2.0 * Understand how the Site-Specific process models are leveraged in the VHA Architecture * Understand the frequently used BPMN elements | | | On Demand | | View online only – approximately 1 hour |
| Workflow Analysis | HI Lecture Series: Methods of Workflow Analysis | https://hcm03.ns2cloud.com/sf/learning?destUrl=https%3a%2f%2fva%2dhcm03%2ens2cloud%2ecom%2flearning%2fuser%2fdeeplink%5fredirect%2ejsp%3flinkId%3dITEM%5fDETAILS%26componentID%3d11271%26componentTypeID%3dVA%26revisionDate%3d1321457820000%26fromSF%3dY&company=VAHCM03  **NOTE**: You must **copy and paste** the link in your browser for the deep link to work | | | | | This presentation provides an introduction and historical perspective on the study of work; discusses how workflow analysis can improve the outcome of healthcare processes; and describes methods of data collection and analysis.   * Learning Objectives:   + Identify benefits of workflow analysis in healthcare   + Recognize four perspectives to workflow analysis:     - People     - Artifacts     - Information     - Tasks | | | On Demand | | 1-hour CEU/CME |
| Workflow Re-engineering | HI Lecture Series: Principles of Workflow Re-engineering | https://hcm03.ns2cloud.com/sf/learning?destUrl=https%3a%2f%2fva%2dhcm03%2ens2cloud%2ecom%2flearning%2fuser%2fdeeplink%5fredirect%2ejsp%3flinkId%3dITEM%5fDETAILS%26componentID%3d11274%26componentTypeID%3dVA%26revisionDate%3d1321458180000%26fromSF%3dY&company=VAHCM03  **NOTE**: You must **copy and paste** the link in your browser for the deep link to work | | | | | The purpose of this training is to introduce you to the “why” and the “how” of system improvement; describe “How to think” about re-engineering workflow; and discuss the steps necessary for an organized approach to re-engineering workflow to create high-reliability systems.   * Learning Objectives:   + Recall two Veterans Health Administration goals that facilitate system improvement   + Identify tools and components of the VA Improvement Framework   + Identify principles for building reliable and sustainable processes | | | On Demand | | 1-hour CEU/CME |
| **WORKFLOW ANALYSIS – Additional Resources** | | | | | | | | | | | | |
| **Topic** | **Course Title** | **Link/Lookup** | | | | | **Description** | | | **Availability** | | **Credit Hours** |
| Business Process Model & Notation (BPMN) | Business Process Model & Notation (BPMN) – Overview and Design Guidelines | <https://vaww.ea.oit.va.gov/wp-content/themes/the-standards-child/assets/trainingcaptivate/VAEATraining_BPMN_Overview_20200224_updated/> | | | | | This training provides a general overview of the Business Process Model and Notation (BPMN) including background, benefits, core elements, modeling primitives and design patterns for developing BPMN-compliant process models. | | | On Demand | | Online Viewing –under 1 hour |
| Business Process Model & Notation (BPMN) | Clinical Workflow Modeling Training | [https://dvagov.sharepoint.com/sites/vhahumanfactors/SitePages/Clinical Workflow Modeling Training.aspx](https://dvagov.sharepoint.com/sites/vhahumanfactors/SitePages/Clinical%20Workflow%20Modeling%20Training.aspx) | | | | | This workflow modeling training is currently being piloted by Human Factors Engineering.   * Learn about Business Process Modeling (BPM) to be able to build, read, and interpret clinical workflow and information flow models. * Learn to produce basic and advanced models:   + Using tools: MS Office and Visio   + Using notations including Business Process Model and Notation (BPMN), Decision Model and Notation (DMN), Case Management Modeling and Notation (CMMN), and Unified Modeling Language (UML) * Learn to conduct and document interviews and focus groups to elicit clinical knowledge.   Learn to analyze models to determine benefits of procedural and technology changes, and to uncover constraints to system efficiency and workarounds. ​ | | | On Demand | |  |
| Interface Design | HI Lecture Series: Interface Design Standards and Principles | https://hcm03.ns2cloud.com/sf/learning?destUrl=https%3a%2f%2fva%2dhcm03%2ens2cloud%2ecom%2flearning%2fuser%2fdeeplink%5fredirect%2ejsp%3flinkId%3dITEM%5fDETAILS%26componentID%3d11267%26componentTypeID%3dVA%26revisionDate%3d1321468260000%26fromSF%3dY&company=VAHCM03  **NOTE**: You must **copy and paste** the link in your browser for the deep link to work | | | | | The purpose of this training is to give students an appreciation of issues in interface design and provide guidance for developing and evaluating user interfaces.  **Learning Objectives:**   * Identify the four elements that comprise the definition of usability * Recall two current issues with interface design in health devices or applications * Recognize heuristics that are useful for interface design and usability | | | On Demand | | 1-hour CEU/CME |
|  | | | | | | | | | | | | |
| **Topic** | **Course Title** | | | **Link/Lookup** | | | **Description** | | | **Availability** | | **Credit Hours** |
| System Design | Module 5: Systems Design and Designing for Safety | | | <https://vatraining.remote-learner.net/mod/data/view.php?id=5094> | | | Module 5 describes approaches to identification of system requirements and strategies for development of safe and effective systems. The focus is on user-centered design, incorporating typical users early in the design process and doing formative evaluations using realistic testing scenarios. | | | Available May and November | | 10 hours CEU/CME |
| Requirements Elicitation and Analysis | Requirements Elicitation and Analysis | | | TMS NFED 7000332  (Search in TMS for 7000332) | | | To define great requirements, it's not enough to simply ask customers and stakeholders what they want. By leveraging requirements elicitation and analysis techniques, business analysts can come up with more innovative solutions. In this course, explore these techniques, and learn why they're important, and how to blend them together and tailor them to your project. | | | On Demand | | 1.46 General Education hours |
| Requirements Elicitation | Requirements Elicitation for Business Analysts: Interviews | | | TMS NFED 7003392  (Search in TMS for 7003392) | | | Interviews can be an effective component in identifying requirements during project planning and help business analysts and project managers understand the project from the user's point of view. This course covers interview techniques that can help build relationships with project stakeholders and obtain accurate information about project needs. | | | On Demand | | 1.36 General Education hours |
| Facilitation Skills | Business Analysis: Essential Facilitation and Workshop Skills | | | TMS NFED 7010056  (Search in TMS for 7010056) | | | To effectively analyze business needs and deliver quality solutions that address these business needs, key facilitation skills are needed in various workshop settings—in virtual and in-person, as well in agile settings—to identify, verify and validate this important information. | | | On Demand | | 0,9 General Education hours |
| Facilitation Skills | The Facilitator’s Pocketbook | | | NFED 4587179  (Search in TMS for 4587179) | | | Including a detailed case study and examples of six typical facilitation sessions, this comprehensive book covers all stages of facilitation, from planning through to implementation. | | | Skillsoft Online Learning Book | | 2.2 General Education hours |
| Effective Communication | Communicate Effectively: 24 Lessons for Day-to-Day Business Success | | | TMS NFED 4582503  (Search in TMS for 4582503) | | | Offering techniques for communicating clearly and managing conflicts, this book features guidelines for everything from sharing information and gathering input to handling disagreements and conducting results-driven meetings and presentations. | | | Skillsoft Online Learning Book | | 1.1 General Education hours |
| **MISCELLANEOUS** | | | | | | | | | | | | |
| **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 the following Training Partners:   * [VA Acquisition Academy](https://www.acquisitionacademy.va.gov/schools/ppm/facPpmProgram.asp) * HR Academy * SkillSoft * Office of Personnel Management (OPM) * No/Low Cost Massive Open Online Courses (MOOCs) * 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) | | | | |
| **VA Information Resource Center (VIReC):** | | [**VIReC**](https://gcc01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fvaww.virec.research.va.gov%2F&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124155921%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=IqsX9bDJu6muZqiwMZKFyBNnFlNxccM233o4a782628%3D&reserved=0) is an HSR&D funded resource center with the mission to advance VA capacity to use data effectively for research and quality improvement  **Informatics-Relevant Presentations and Resources from** [**VIReC**](https://gcc01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fvaww.virec.research.va.gov%2F&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124155921%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=IqsX9bDJu6muZqiwMZKFyBNnFlNxccM233o4a782628%3D&reserved=0)  **Presentations:** The[*Using Data and Information Systems in Partnered Research Series*](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.hsrd.research.va.gov%2Fcyberseminars%2Fcatalog-archive-virec.cfm%3FSeriesSortParam%3Dy%26SeriesIDz%3D91&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124106145%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=6fiNqz4zkaDfMyayPQ5F1HZ6xMHwtTkh02xya5o9tO8%3D&reserved=0) focuses on the use of VA data and information systems in quality improvement projects and research-operations partnerships.  * [Leveraging VA Data and Partnerships to Advance Equity-Guided Improvement: Introducing the Primary Care Equity Dashboard](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.hsrd.research.va.gov%2Ffor_researchers%2Fcyber_seminars%2Farchives%2Fvideo_archive.cfm%3FSessionID%3D3934&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124116098%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=EppK8kyifcQikz9d%2F2qV8W%2BqPDEKsWUtmWRKB3L0aws%3D&reserved=0) * [Evaluating the Implementation of VA’s TeleWound Practice Program](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.hsrd.research.va.gov%2Ffor_researchers%2Fcyber_seminars%2Farchives%2Fvideo_archive.cfm%3FSessionID%3D3922&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124116098%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=mDL0LdIjLqmMo5qHB2VprklSe1iiGLW%2FHFD3AXzkzTA%3D&reserved=0) * [Facilitation of the Stepped Care Model and Medication Treatment for Opioid Use Disorder](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.hsrd.research.va.gov%2Ffor_researchers%2Fcyber_seminars%2Farchives%2Fvideo_archive.cfm%3FSessionID%3D3806&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124126054%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=LDMD9LU8wrgCdMiZ1vjQj8ju1IBJ0%2BnmCPATwNJgVEY%3D&reserved=0) * [Increasing Access to Medication-Assisted Treatment in VISN 22: Using VA Data to Guide Implementation](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.hsrd.research.va.gov%2Ffor_researchers%2Fcyber_seminars%2Farchives%2Fvideo_archive.cfm%3FSessionID%3D3808&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124126054%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=nBxi2bFP2kajQ4p86YspRFOCZgl84LJz415ZZknnz%2BQ%3D&reserved=0) * [A Mixed Methods Evaluation of Evidence-Based Quality Improvement of Comprehensive Women’s Health Care Implementation in Low-Performing VA Facilities](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.hsrd.research.va.gov%2Ffor_researchers%2Fcyber_seminars%2Farchives%2Fvideo_archive.cfm%3FSessionID%3D3805&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124126054%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=9oJ03a7x5yixKtuZPeUej8A6dxyRLEcB6Dwjky895c0%3D&reserved=0) * [Development of a Patient Reported Measures Display and Implementation across VA Salt Lake City](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.hsrd.research.va.gov%2Ffor_researchers%2Fcyber_seminars%2Farchives%2Fvideo_archive.cfm%3FSessionID%3D3644&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124136013%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=%2Fj5vVptoUQwow4efrzaFDrjkgRcWMSia3yp7es8udlo%3D&reserved=0)  1. The[*Clinical Informatics Series*](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.hsrd.research.va.gov%2Fcyberseminars%2Fcatalog-archive-virec.cfm%3FSeriesSortParam%3Dy%26SeriesIDz%3D23&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124136013%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=w19JPCo2yjyRw1dZMGbcBvaKFulhWJ%2FS%2F2WhjVbHRwU%3D&reserved=0)focuses on applications of clinical informatics in research and quality improvement projects and explain how to evaluate clinical informatics and IT interventions.    * [VA Geriatric Scholars Quality Improvement Dashboards: Leveraging Informatics to Facilitate Change](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.hsrd.research.va.gov%2Ffor_researchers%2Fcyber_seminars%2Farchives%2Fvideo_archive.cfm%3FSessionID%3D3643&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124145968%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=N1rTXPHWB9YRZjwWmZDEwO%2BcdBTg1nJikCoHRDCofl0%3D&reserved=0) 2. The [*Innovations in Healthcare Informatics Series*](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.hsrd.research.va.gov%2Fcyberseminars%2Fcatalog-archive-virec.cfm%3FSeriesSortParam%3Dy%26SeriesIDz%3D82&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124145968%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=zO2uneS6gYIhmlqgdDntdJxN0b43rOcgRSgEnK21TVs%3D&reserved=0)provide innovative and cutting edge healthcare informatics practices to VA researchers and practitioners to help them elaborate important scientific areas for their future research. 3. The [*Corporate Data Warehouse (CDW)*](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.hsrd.research.va.gov%2Fcyberseminars%2Fcatalog-archive-virec.cfm%3FSeriesSortParam%3Dy%26SeriesIDz%3D69&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124155921%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=4I%2B3e8jF5S42FyHZA77yxluusDVrpG49g1Gj4qqjFT0%3D&reserved=0) series provides information on various topics related to the use of CDW data.   **Additional** [**VIReC**](https://gcc01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fvaww.virec.research.va.gov%2F&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124155921%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=IqsX9bDJu6muZqiwMZKFyBNnFlNxccM233o4a782628%3D&reserved=0) **Resources:**   1. [Working with VA Data Webpage](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fvaww.virec.research.va.gov%2FIntro%2FWorking-with-VA-Data.htm&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124155921%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=XCiaHWxa9lxDtXLe5t4Cq6JBb4aFsB4vA3LS1HN%2BeLc%3D&reserved=0) provides information on various data sources, topics and analytic tools used in VA research and quality improvement. 2. The [VHA Data Portal](https://gcc01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fvaww.vhadataportal.med.va.gov%2FHome.aspx&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124165872%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=6xR%2BF6bEjsPotrnoAKJzNTVAQxwp0mB8HQ4ALZmXyK8%3D&reserved=0) is a collaboratively developed website that provides information about centrally available data sources and the processes for applying for data access for research or operations/quality improvement projects. 3. [Factbooks](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fvaww.virec.research.va.gov%2FCDW%2FDocumentation.htm%23Factbooks&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124165872%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=fCx2HI4x%2BOD2F2KL7oN10ZlEU%2FmC6nqxKtphhO7suPs%3D&reserved=0) provide descriptions of tables, columns, and values in select CDW Domains including domain-specific SQL “starter language” and sample SQL code. 4. [Researcher’s Notebooks](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fvaww.virec.research.va.gov%2FNotebook%2FOverview.htm&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124175833%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=7OTNC3YmlO6RzTVTADC1QoRS3dmheM8UpAQKgWE%2FF7A%3D&reserved=0) provide methodological approaches to working with VA data and elaborates on a nuance of data use for a specific topic or question and conveys practical information from the perspective of data users in the field. 5. [HSRData-L Listserv](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fvaww.virec.research.va.gov%2FSupport%2FHSRData-L.htm&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124175833%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=AOMfNVjLjwf2w%2F1lfAJH25dmVlvRVt5Inf0PpTRsxUs%3D&reserved=0) is virtual platform where VA data users can share their collective knowledge and experience about VA data and information systems. 6. VIReC’s [Data Issues Brief (DIB)](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fvaww.virec.research.va.gov%2FDIB%2FOverview.htm&data=04%7C01%7C%7C465f102ebcf043f400a908d8f43769ca%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637527866124185793%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=EtJQg3i%2BkcUCwEV2rWs0LqidhEZHQpBQmV4v0F68fv0%3D&reserved=0) newsletter provides current news or updates regarding health data, databases, and medical informatics, including data and informatics resources and education. Email [virec@va.gov](mailto:virec@va.gov) to subscribe. | | | | | | | | | | |
| **The Center for Strategic Analytics and Reporting (CSAR)**  **NOTE:** Also provides access to **SAIL** (Strategic Analysis for Improvement and Learning) | | A solid understanding and knowledge of data and analytic strategies is essential to become a high-performing, data-driven organization. The Center for Strategic Analytics and Reporting (CSAR) provides a number of analytic training opportunities to help promote the use of data and analytics to support system improvement in VHA.   * **National Organization for Leadership and Analytics University** (NOLA U) is a collaborative effort between the Office of Analytics and Performance Integration, CSAR, the Center for Improvement and Coordination, VISN 16, and the New Orleans VA Medical Center. * **Healthcare Analytics Courses**: These courses are open to anyone interested in augmenting their quantitative and analytical skills. They are self-paced, asynchronous training using Blackboard as the learning management system. * **Excel Courses**: Three instructor-led Excel courses are available to enrich your knowledge of Excel. The instructor guides you through the application and solution of a common parsing problem. | | | | | | [CSAR MAIN PAGE](https://dvagov.sharepoint.com/sites/VHACSAR/SitePages/Training.aspx)  [NOLA U](https://dvagov.sharepoint.com/sites/VHACSAR/SitePages/NOLA-U.aspx)  [HEALTHCARE ANALYTICS COURSES](https://dvagov.sharepoint.com/:u:/r/sites/VHACSAR/SitePages/Test-Page-for-Serge.aspx?csf=1&web=1&e=KmBPT9)  [EXCEL COURSES](https://dvagov.sharepoint.com/sites/VHACSAR/SitePages/EXCEL-Courses.aspx) | | | | |
| **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 can send in questions ahead of time | | | | | | [VHA Data Users Conference Call](http://raft.vssc.med.va.gov/Pages/usercall.aspx) | | | | |
| **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) | | | | |

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## Health Informatics Educational Resources

| **Resource** | **Description** | **Suggested Audience** | | **Link** | |
| --- | --- | --- | --- | --- | --- |
| **Introduction to Health Care Data Analytics** | 9-week online course provides foundational knowledge & skills in health care data analytics. Equips students to contribute more effectively to local data and performance improvement efforts. Offered 4 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. Courses accredited by ACCME, ACCME-NP, ACPE, ACPE-T, ANCC, APA, NBCC, ASWB, NYSED-SW. Completion of the entire series is potentially worth a total of 70 credit hours. | | 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  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 skills of Health Informatics Specialists (HIS) & Clinical Application Coordinators | 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 videos is available on 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 Video Center page, type “VeHU” in “Search Videos” search box & select your video from results. **NOTE**: You must use “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 | | **TMS**: Log in and search for “Project Management.”  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.edu/>  Twenty-Eight Strategy Execution (Formerly ESI). VA students will receive a 10% discount from GSA rates.  <https://www.strategyex.com> | |
| **Change Management Toolkits** | VA employees have access to multiple change management resources. Change efforts vary in scope, complexity, and impact and there’s not a one-size-fits-all approach. Explore available toolkits to help drive change forward for your specific change effort | | | | |
| **Prosci** | Learn how to apply Prosci’s change management process framework and tools to help you manage the ‘people side of change’ and achieve project results. Resources are available by registering your VA email address: | | | [**Prosci Homepage**](https://www.prosci.com/)  [Prosci Webinars](https://www.prosci.com/resources/webinars)  [Prosci Articles](https://www.prosci.com/resources/articles)  [Prosci Portal](https://store.prosci.com/customer/account/login/?uenc=aHR0cHM6Ly9wb3J0YWwucHJvc2NpLmNvbQ==)  Portal Contains:   * ADKAR Audiobook * How to Integrate CM and PM * Best Practices Research Exposé * Change Management Blueprint |
| **VHA SmartChange Toolkit** | Learn how to put together a change strategy in six steps with tools adapted from Prosci for VHA change projects. This toolkit features change tools and guidance to define success, measure project health, prepare sponsors, understand individual change through ADKAR, engage impact groups, and create a master change plan. | | | [**VHA SmartChange Toolkit**](https://dvagov.sharepoint.com/sites/VHANCOD/sitepages/smartchange/smartchangehome.aspx) |
| **VHA SmartChange for Managers** | Learn how to construct the future state in a way that gets results and engage your team in the process. This toolkit offers best practices for managing resistance, tips for coaching for ability and reinforcement, and other resources tailored specifically to the manager role. | | | [**VHA SmartChange for Managers**](https://dvagov.sharepoint.com/sites/VHANCOD/webassets/webpages/home.aspx) |
| **High Reliability Organization –Change Management Templates** | Access templates and resources to create a customized change management plan tied to the overarching organizational strategy and HRO implementation activities. This toolkit features HRO-specific change management plan templates, sponsorship roadmaps, communications templates, and videos adapted from Prosci’s framework. | | | [**High Reliability Organization –Change Management Templates**](https://dvagov.sharepoint.com/sites/OHT-PMO/high-reliability/Pages/Change-Management.aspx) |
| **Six Sigma LEAN Training** | Various offerings at national, VISN and local levels. Check with your Education Dept & TMS Administrator | Excellent training for all informatics and analytics staff | | **EES:**  Search for “LEAN” and or “Six Sigma”  <https://myees.lrn.va.gov/iLearn.aspx/#q=LEAN>  **TMS**  Search for “LEAN” and or “Six Sigma” | |
| **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 | | Search for “Mentoring” or “Core Coach”  <http://vaww.hlti.va.gov/> | |
| **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>  **TMS**  Search for the book title | |
| **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> | |
| **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. | | Technical Career Field SP <https://dvagov.sharepoint.com/sites/vhawmcHLTI/Employee_Development/TCF/default.aspx>  Healthcare Leadership Talent Institute (HLTI) Career Site: <http://vaww.hlti.va.gov/> | |
| **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> | |
| **Office of Healthcare Transformation**: | The primary mission is to plan, engineer, and implement enterprise Veteran driven systems of care in support of VA priorities. The vision is to deliver innovative solutions and continually improve the healthcare experience for every Veteran through project and program management, health care systems engineering, and strategic implementation in alignment with VA core values. | |  | **Office of Healthcare Transformation**: [https://dvagov.sharepoint.com/sites/VHAOHT/Pages/OHT.aspx](https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdvagov.sharepoint.com%2Fsites%2FVHAOHT%2FPages%2FOHT.aspx&data=04%7C01%7C%7C8b29a80ee45649edfa3c08d9d05b4481%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637769912666649076%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000&sdata=0stZg674Kx578LsrAzqnFVMTXqVxmECzZ4RY8zuwQ%2Fw%3D&reserved=0) | |
| **Office of Healthcare Transformation Professional Growth:** | The OHT Professional Growth Program was established in 2017 to provide mentorship training. The ​​Program evolved to include other resources to help staff build individual competencies and maximize the potential of everyone. The overarching goal is to empower staff with the knowledge and skills to manage their care​er path and develop staff to enhance performance. ​​ | |  | **Office of Healthcare Transformation Professional Growth**: [https://dvagov.sharepoint.com/sites/VHAOHT/HCLearnOrg/pg/Pages/Home.aspx](https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdvagov.sharepoint.com%2Fsites%2FVHAOHT%2FHCLearnOrg%2Fpg%2FPages%2FHome.aspx&data=04%7C01%7C%7C8b29a80ee45649edfa3c08d9d05b4481%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637769912666649076%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000&sdata=2HUZXtOCxcGFBF%2F4sQs5ua%2FjUcIu%2FlM9Hit2AdgfGho%3D&reserved=0) | |
| **VHA Change Management Hub** | The VHA Change Management Hub is a one stop shop for tools, training opportunities, best practices, and news—tailored specifically to meet the unique needs of change agents at VA. | |  | **Change Management Hub:** [https://dvagov.sharepoint.com/sites/VHAChangeManagement/Pages/Home.aspx](https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdvagov.sharepoint.com%2Fsites%2FVHAChangeManagement%2FPages%2FHome.aspx&data=04%7C01%7C%7C8b29a80ee45649edfa3c08d9d05b4481%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637769912666649076%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000&sdata=f99FQAIS%2FkHHONFQnzE6VAXKIAyC8EA5j6JsOLXOe30%3D&reserved=0) | |
| **VHA IHPM Project Portal** | The VHA IHPM Project Portal provides project teams with the resources needed to successfully manage enterprise impacting projects. | |  | **VHA Integrated Healthcare Portfolio Management (IHPM) Project Portal:** [https://dvagov.sharepoint.com/sites/VHAIHPM](https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdvagov.sharepoint.com%2Fsites%2FVHAIHPM&data=04%7C01%7C%7C8b29a80ee45649edfa3c08d9d05b4481%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637769912666649076%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000&sdata=5h9f5bow8YmrLpiJm%2FG6uiSNBQmIG0c81JIod7puDsQ%3D&reserved=0) | |

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## Organizations

## Professional Organizations:

| **Name** | **Abbreviation** | **Description** | **Link** |
| --- | --- | --- | --- |
| **Association for the Advancement of Medical Instrumentation** | AAMI | [AAMI](http://www.aami.org/), the Association for the Advancement of Medical Instrumentation, is a nonprofit organization founded in 1967. It is a diverse community of nearly 7,000 healthcare technology professionals united by one important mission -supporting the healthcare community in the development, management, and use of safe and effective medical technology. | <http://www.aami.org/> |
| **American College of Clinical Engineering** | ACCE | [American College of Clinical Engineering (ACCE](http://www.accenet.org/)), founded in 1990 is committed to enhancing the profession of clinical engineering. | <https://accenet.org/Pages/Default.aspx> |
| **American Health Information Management Association** | AHIMA | [American Health Information Management Association (AHIMA)](http://www.ahima.org/) is the worldwide professional association of recognized leaders in health information management, informatics, heath data technology, and innovation. | <http://www.ahima.org/> |
| **American Medical Informatics Association** | AMIA | [AMIA](http://www.amia.org/), formerly known as the American Medical Informatics Association, is an American non-profit organization dedicated to the development and application of biomedical and health informatics in the support of patient care, teaching, research, and health care administration. | <http://www.amia.org/> |
| **American Nursing Informatics Association** | ANA | [American Nursing Informatics Association (ANIA](https://www.ania.org/)) is a non-profit organization dedicated to supporting NI education and supporting NI nationally. | <https://www.ania.org/> |
| **College of Healthcare Information Management Executives** | CHIME | The [College of Healthcare Information Management Executives (CHIME)](http://www.cio-chime.org/) is the professional organization for chief information officers and other senior healthcare IT leaders. CHIME enables its members and business partners to collaborate; exchange ideas; develop professionally; and advocate the effective use of information management to improve the health and healthcare in the communities they serve. | <http://www.cio-chime.org/> |
| **Healthcare Information and Management Systems Society** | HIMSS | [Healthcare Information and Management Systems Society (HIMSS)](http://www.himss.org/) is a cause-based, not-for-profit organization exclusively focused on providing global leadership for the optimal use of information technology (IT) and management systems for the betterment of healthcare. | <http://www.himss.org/> |

**Standards Organizations:**

| **Organization Abbreviation** | **Organization Name** | **Link** |
| --- | --- | --- |
| ANSI | American National Standards Institute | <http://www.ansi.org/> |
| HITSP | Healthcare Information Technology Standards Panel | <http://www.hitsp.org/> |
| IEC | International Electro-technical Commission | <http://www.iec.ch/> |
| ISO | International Organization for Standardization | <http://www.iso.org/iso/home.html> |
| NIST | National Institute of Standards and Technology | <https://www.nist.gov/> |
| ONC | Office of National Coordinator | <http://www.healthit.gov/> |
| NLM | US National Library of Medicine | <http://www.nlm.nih.gov/healthit.html> |

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