**Health Informatics and Data Analytics Resources
REV 5.14.2021**

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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, Pyramid Analytics, 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 2010**1358537: Getting Started with Excel 20101358541: Applying Basic Data Formatting in Excel 20101358542: Moving and Getting Around in Excel 20101358543: Moving Data and Modifying Worksheets in Excel 20101358544: Using Conditional Formatting, Tables and Sparklines in Excel 20101358546: Using Basic Formulas in Excel 20101358635: Using Basic Functions with Excel 20101358638: Inserting Basic Charts in Excel 20101371879: PivotTables and PivotCharts in Excel 20101371789: Analyzing Data with What-If Analysis**Excel 2016 (Microsoft Office 365)**4500582: Microsoft Excel 2016 Essentials: Creating, Editing, and Saving Workbooks4500583 Microsoft Excel 2016 Essentials: Formatting Data4500584 Microsoft Excel 2016 Essentials: Data Presentation Strategies4500679 Microsoft Excel 2016 Essentials: Formulas and Functions4500680 Microsoft Excel 2016 Essentials: Charts, Tables, and Images4500684 Microsoft Excel 2016 Intermediate: Customizing Views, Styles, and Templates4500686 Microsoft Office 2016 Intermediate Excel: Working with Data4500685 Microsoft Office 2016 Intermediate Excel: Creating Custom Visual Effects4500687 Microsoft Office 2016 Intermediate Excel: Macros and Advanced Queries4500753 Microsoft Office 2016 Intermediate Excel: PivotTables and Advanced Charts4500754 Microsoft Office 2016 Intermediate Excel: Share, Review, and Collaborate.**NOTE**: Search for “Microsoft Excel” to find more | VA TMS<https://www.tms.va.gov/SecureAuth35/>Open TMS, copy title or ID number, and paste it into the search window |
| **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** | A list of YouTube training videos | [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 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, Pyramid Analytics, 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) |
| **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 2010**1372564: Getting Started with Access 20101372560: Creating Basic Tables in Access 20101372562: Data manipulation and Simple Relationships in Access 20101376131: Introduction to Forms in Access 20101372615: Modifying Basic Forms in Access 20101372566: Introduction to Queries in Access 20101376134: Introduction to Reports in Access 2010**Access 2016 (Microsoft Office 365)**4500852 Introduction to the Access 2016 Interface, Database Management, and Tables4500853 Creating Relationships, Queries, Forms & Reports in Access 2016**NOTE**: Search for “Microsoft Access” to find more | VA TMS<https://www.tms.va.gov/SecureAuth35/>Open TMS, copy title or ID number, and paste it into the search window |
| **Non-VA training** | A list of YouTube training videos | [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) |
| **MICROSOFT POWER BI** |
| **Microsoft Power BI** | A business intelligence platform providing nontechnical business users tools for aggregating, analyzing, visualizing and sharing data. ... Users can download the 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[Power BI (sharepoint.com)](https://dvagov.sharepoint.com/sites/OITBISL/PowerBI) |
| **PYRAMID ANALYTICS** |
| **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 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) |
| **PA Support Mailbox** |  | BISLPASupport@va.gov |
| **Pyramid Content Points of Contact** | Points of contact for different Program and Field Offices using Pyramid Analytics to provide dashboards and reporting content.  Direct questions regarding data or content to these points of contact. If a Program or Field Office is not listed, please contact BISLPASupport@va.gov for assistance. | [PA Points of Contact](https://vaww.cdw.va.gov/bisl/SSASandPA/SitePages/Pyramid_Content_POCs.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, Pyramid Analytics, 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, Pyramid Analytics, 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 Data4572480: Mastering SQL (Skillsoft Books)4500729: Introduction to SQL4500847: Introduction to SQL: Managing Table Design4500847: Introduction to SQL: Views, Transactions, and SQL Security Architecture**NOTE**: Search for “Structured Query Language” to find more | VA TMS<https://www.tms.va.gov/SecureAuth35/>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) |
| **Business Intelligence Service Line (BISL)** | The BISL Training Page includes all upcoming training sessions with descriptions, dates, times and registration information as well as a repository of previously recorded training sessions and corresponding presentations. The BISL Training page will continue to be updated with new live and previously recorded sessions so check it regularly! | [BISL CDW Home](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdvagov.sharepoint.com%2Fsites%2FOITBISL&data=04%7C01%7C%7C0aaf9635e1b5437e989508d8b73da357%7Ce95f1b23abaf45ee821db7ab251ab3bf%7C0%7C0%7C637460822641448234%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=r3rVjYScH12Gb8bL82hm9bLs38q4Sd4vlcHad6jwfbs%3D&reserved=0) |
| **SAIL (Strategic Analysis for Improvement and Learning)** |
| **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**  | **Open TMS, copy title or ID number, and paste it into the search window****Online Books (Skillsoft Books):** 4580360, 4580359, 4607022: Advanced Statistics Demystified4590328: Data Mining and Statistics for Decision Making | VA TMS<https://www.tms.va.gov/SecureAuth35/>Open TMS, copy title or ID number, and paste it into the search window |
| **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) |
| **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 Sigma4503069: Six Sigma and Lean Foundations and Principles4500611: Fundamentals of Lean and Six Sigma and their Applications**Online Books (Skillsoft Books):** 4501081: Lean Six Sigma Demystified4587006: Practitioners’ Guide for Statistics and Lean Six Sigma for Process Improvements | VA TMS<https://www.tms.va.gov/SecureAuth35/>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) |
| **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 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) |
| **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 to subscribe.
 |
| **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. 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 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 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.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 | 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. | 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> |

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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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