

## CURRICULUM VITAE

Thomas H. Payne

Address: Division of General Internal Medicine  
Department of Medicine  
University of Washington  
Box 359780  
325 Ninth Ave  
Seattle WA 98104-2499  
[tpayne@uw.edu](mailto:tpayne@uw.edu)

Website: <http://faculty.washington.edu/tpayne>

### EDUCATION

1980 M.D. University of Washington  
1976 B.S. Stanford University

### POSTDOCTORAL TRAINING

1989-1990 Post-doctoral Fellow, Center for Health Studies, Group Health Cooperative of Puget Sound  
1987-1989 NLM Fellow in Medical Information Science  
Massachusetts General Hospital and Harvard School of Public Health  
1981-1983 Residency in Medicine, University of Colorado Affiliated Hospitals  
1980-1981 Internship in Medicine, University of Colorado Affiliated Hospitals

### FACULTY POSITIONS HELD

2016-Present Professor of Medicine  
Adjunct Professor, Department of Health Services  
Adjunct Professor, Department of Biomedical Informatics and Medical Education  
University of Washington  
2013-2016 Associate Professor, Department of Medicine  
Adjunct Associate Professor, Department of Health Services  
Adjunct Associate Professor, Department of Biomedical Informatics and Medical Education  
University of Washington  
2000-2013 Clinical Associate Professor, Departments of Medicine, Health Services, and Medical Education  
and Biomedical Informatics  
University of Washington  
1998-2000 Clinical Assistant Professor, Department of Health Services  
University of Washington  
1997-2000 Clinical Assistant Professor, Department of Medicine  
University of Washington  
1994-1997 Adjunct Assistant Professor, Department of Medicine  
George Washington University

- 1991-1998      Affiliate Assistant Professor, Department of Health Services, School of Public Health  
University of Washington
- 1987-1989      Research Fellow, Department of Biostatistics, Harvard School of Public Health
- 1983-1986      Instructor, Department of Medicine, University of Colorado

## HOSPITAL POSITIONS HELD

- 2001-Present    Attending Physician, Department of Medicine, University of Washington Medical Center (since 2001) and Harborview Medical Center (since 2002). Attend on inpatient Medicine Service 2-4 weeks per year and practice one half day per week in Roosevelt General Internal Medicine Center.
- 1997-2000      Attending Physician, Medical Service and General Internal Medicine Clinic, VA Puget Sound Health Care System, Seattle Division. Attended on inpatient service 1-2 months per year.
- 1989-1997      Primary Care Internal Medicine physician, Downtown Seattle Medical Center and Central Hospital, Group Health Cooperative of Puget Sound (half-time)
- 1987-1989      Department of Medicine, Massachusetts General Hospital, Boston, Massachusetts
- 1984-1986      Director of Internal Medicine, Westside Health District, Denver Department of Health and Hospitals, Denver, Colorado
- 1983-1986      Attending Physician, Medical Service, Denver General Hospital
- 1983-1986      Staff Internist, Westside Health Center, Denver Department of Health and Hospitals, Denver, Colorado
- 1982-1983      Staff Physician, WalkIn Clinic, Denver General Hospital

## HONORS

- 2019            Elected to Fellowship, American Medical Informatics Association
- 2015            Leadership Award, American Medical Informatics Association
- 2013            Leadership Award, American Medical Informatics Association
- 2012            Top Doctor Award, Seattle Met Magazine
- 2012            Inaugural Chief of Medicine Award, Department of Medicine, UW Medical Center
- 2010            Elected to Fellowship, Royal College of Physicians of Edinburgh
- 2008            Spring 2008 UW School of Medicine Service Excellence Award
- 2001            Elected to Fellowship, American College of Medical Informatics
- 2001            Elected to Fellowship, American College of Physicians
- 2000            VA Puget Sound was awarded the 2000 Nicholas E. Davies CPR Recognition Award of Excellence from CPRI-HOST
- 2000            Public Service Recognition Award from Seattle Federal Executive Board
- 1998            Special Contribution Award, Department of Veterans Affairs, Office of the Chief Information Officer
- 1997            Special Contribution Award, Department of Veterans Affairs, Northwest Network (VISN20)
- 1987-1989      National Library of Medicine Training Grant in Medical Information Science
- 1983            Offered Chief Residency in Medicine, University of Colorado

1980            Alpha Omega Alpha, University of Washington  
1976            Phi Beta Kappa, Stanford University  
1976            B.S. with Distinction and Departmental Honors, Stanford University

## BOARD CERTIFICATION

2014 (current)    Clinical Informatics, American Board of Preventive Medicine  
1983 (current)    American Board of Internal Medicine

## CURRENT LICENSES TO PRACTICE

1989 (current)    Medical License, State of Washington  
1987 (expired)    Limited License, Commonwealth of Massachusetts  
1986 (expired)    Medical License, State of Alaska  
1981 (expired)    Medical License, State of Colorado

## PROFESSIONAL ORGANIZATIONS

2018            Past Chair, American Medical Informatics Association.  
2016-2017        Board Chair, American Medical Informatics Association.  
2015            Board Chair-elect, American Medical Informatics Association.  
2017-2018        Member, Society of General Internal Medicine  
2010-2015        Board Member, American Medical Informatics Association. Re-elected 2013.  
2010-Present    Fellow, Royal College of Physicians of Edinburgh  
2001-Present    Fellow, American College of Medical Informatics  
2001-Present    Fellow, American College of Physicians-American Society of Internal Medicine  
1992-1994        Member, American Public Health Association  
1990-Present    Member, American Medical Informatics Association  
1987-1989        Member, Massachusetts Medical Society  
1985-1986        Member, Society for Medical Decision Making  
1984-Present    Member, American College of Physicians  
1980-1984        Associate, American College of Physicians

## PROFESSIONAL POSITIONS

2000 - 2019      Medical Director, UW Medicine Information Technology Services  
University of Washington  
  
For about 20 years, until 1/1/2020, served in role equivalent to Chief Medical Information Officer initially for the UW Academic Medical Center and then for UW Medicine when it was created.

- 1997-2000 Associate Chief Medical Officer for Clinical Information Management†  
VA Puget Sound Health Care System, Seattle Washington
- † (title changed with reorganization 10/98 from Associate Chief of Staff for Clinical Information Management)
- Developed and promoted clinical computing resources for Seattle and American Lake Veterans Affairs Medical Centers, University of Washington teaching hospitals. Led project to install computer-based medical record system (order entry, note entry, results review--CPRS) used by ~2,000 inpatient and outpatient providers. Clinical advisor to CIO for VA Northwest Network, comprised by 8 VA facilities in Washington, Oregon, Idaho, Alaska).
- VA Puget Sound was awarded the 2000 Nicholas E. Davies CPR Recognition Award of Excellence from CPRI-HOST for the implementation of our computer-based medical record system.
- 1994-1997 Medical Staff Member, Clinical Computing Project, Group Health Cooperative of Puget Sound, Seattle, Washington
- Served as Clinical Chair of the Group Health Cooperative/Virginia Mason Clinical Computing Team. Provided Medical Staff perspective in design of computing systems used in clinical care. Member of Information Systems Clinical Planning Team in position funded by Medical Director's Office, Information Systems, and the MacColl Institute.
- 1994 (Jan-June) Clinical Information Architect (Chief Medical Information Officer), King Faisal Specialist Hospital and Research Centre, Riyadh, Kingdom of Saudi Arabia.
- As part of Saudi-U.S. Universities Project, worked closely with clinical and IS departments in a leading Saudi Arabian hospital system to design and implement clinical computing and communications systems. Participated in selection of major clinical computing systems, planning for campus and wide-area network, implementation of satellite teleradiology, telepathology, teleconferencing systems and installation of Internet.
- 1991-1994 Assistant Scientific Investigator, Center for Health Studies, Group Health Cooperative
- Involved in development of immunization tracking systems, ambulatory care computing systems, development of clinical vocabularies, and participation in studies of childhood immunization programs and continuous quality improvement programs in ambulatory care.
- 1989-1991 Research Associate, Center for Health Studies, Group Health Cooperative of Puget Sound

## TEACHING RESPONSIBILITIES

- 2020 Course Director. 2020 Spring Elective-Electronic Health Records. 2 sessions of 2 weeks each for third and fourth year medical students, UW School of Medicine.
- 2020 With Mike Leu, MD, Instructor for NMETH 524: Healthcare Information Systems & Electronic Health Records Winter, 2020.
- 2015 Facilitator, with Lucas McCarthy, MD, MS. BIME 591A (SLN 11180) – Shared Clinical Decision Support Seminar, Fall, 2015.
- 2005-2015 Coordinator of seminar series, Operating Clinical Computing Systems in a Medical Center, University of Washington, MEBI 598C
- 2013 Instructor for NMETH 524: Healthcare Information Systems & Electronic Health Records Winter, 2013
- 1988-1989 Preceptor, Introduction to Clinical Medicine, Harvard Medical School
- 1983-1986 Instructor in Introduction to Clinical Medicine course for first year medical students, Univ. of Colorado. Taught interviewing and physical diagnosis.
- 1983-1986 Attending, Medical Service, Denver General Hospital

1983-1985      Attending Physician and Director, University of Colorado Medical Residents Continuity Clinic,  
Westside Health Center

## EDITORIAL RESPONSIBILITIES

2019-Present      Senior Editor, Applied Clinical Informatics  
2018-Present      Editorial Board member, JAMIA Open  
2004-Present      Editorial Board member, Journal of the American Medical Informatics Association, (effective  
January 1, 2004) (appointed to second term, 2006, third term 2018)  
2006-2010      Editorial Board member, Journal of Biomedical Informatics. Four year term.

## SPECIAL NATIONAL RESPONSIBILITIES

2020-2021      Member, Nominating Committee, American Medical Informatics Association  
2019-2020      Member, Scientific Program Committee 2020 AMIA Clinical Informatics Conference  
2019      Chair, HSR ZHS1 Special Emphasis Panel, Agency for Healthcare Research and Quality (AHRQ).  
2020/01 Council ZHS1 HSR-A 01 M, 10/18/2019, Bethesda, Maryland.  
2019-Present      Member, Healthcare Research Training (HCRT) Study Section, Agency for Healthcare Research  
and Quality (AHRQ). Four year term, October 1, 2019-September 30, 2023.  
2018-2019      Chair, Nominating Committee, American Medical Informatics Association  
2018      Past Chair, American Medical Informatics Association  
2017      Panelist, Point of care, Telemedicine, ER/ Hospital operations panel, PFI:BIC Smart Service  
Systems Program, National Science Foundation, March 13-14, 2017, Arlington, VA.  
2016-2017      Board Chair, American Medical Informatics Association  
2015      Board Chair-elect, American Medical Informatics Association  
2014-2015      Program Chair, 2015 AMIA Policy Meeting  
2014-2015      Chair, AMIA Task Force on Status and Future Direction of EHRs (EHR-2020)  
2014-2018      Member, AMIA Executive Committee  
2010-2018      Board Member, American Medical Informatics Association. Re-elected to second term,  
November, 2013. One of 12 elected members of the Board of Directors of the premier informatics  
association in the United States.  
2012-Present      Content Developer and Lecturer, American Medical Informatics Association Clinical Informatics  
Subspecialty Board Review Course  
2012-2015      Member, Technical Expert Panel. A Multisite Field Study Applying Novel Methods to Better  
Understand the Causal Relationship between Health IT & Ambulatory Care Workflow Redesign.  
AHRQ Task Order #15. Kai Zhang, PI.  
2012-2015      Member, AMIA Task Force on Skill Set and Educational Requirements for  
Chief Clinical Informatics Officers  
2013-2014      Member, AMIA Task Force on AMIA Affiliation, Structure & Membership Engagement  
2012-2013      Member, Medical Informatics External Advisory Board. University of Kansas  
2012      Member, - Health Care Technology and Decision Sciences Special Emphasis Panel/Scientific  
Review Group, Agency for Healthcare Research and Quality, Rockville, Maryland, February  
23-24, 2012.

- 2006, 7, 10, 12 Member, Scientific Program Committee, Annual Symposium, American Medical Informatics Association
- 2011-2013 Member, AMIA Task Force on Usability of Electronic Health Records
- 2010-2014 Member, Project Advisory Committee, National Center for Cognitive Informatics and Decision Making in Healthcare (NCCD) and SHARPC.
- 2010-2011 Chair, Scientific Program Committee, Winter Symposium, American College of Medical Informatics
- 2010 Member, Health Care Technology and Dissemination Sciences Study Section meeting, Agency for Healthcare Research and Quality, Rockville, Maryland
- 2010 Participant, Learning From Other Industrialized Nations Informing Health Information Technology & Exchange Efforts Underway in the United States. An Exploration of Cross-Cultural Issues and Themes in Six Nations: Canada, England, Germany, Japan, Scotland, & Sweden. Academy Health, Washington, DC, May 25, 2010.
- 2009 Participant, Clinical Decision Support Workshop, Office of the National Coordinator for Health IT, Washington, DC.
- 2009 Member, National Quality Forum's (NQF) Health IT Expert Panel (HITEP) Data Workflow Workgroup
- 2007-2009 Decision support initiatives, advisor to the Board, American Medical Informatics Association
- 2007-2008 Member, Special Emphasis Panel , Ambulatory Safety and Quality Program: Improving Quality through Clinician Use of Health IT , Agency for Healthcare Research and Quality, Bethesda.
- 2006 Member of the Inpatient Functionality Work Group, Certification Commission for Health Information Technology (CCHIT)
- 2005-2006 Scientific Program Committee, 2006 AMIA Spring Congress
- 2004 Member, Steering Committee, University Health System Consortium Computerized Physician Order Entry Benchmarking Project
- 2002-Present Ad hoc reviewer, International Journal of Medical Informatics and other clinical computing publications
- 2002 Reviewer, European Federation for Medical Informatics, MIE 2003
- 2002-2003 Member, Expert Panel, Center for Information Technology Leadership, Partners HealthCare
- 2002-2003 Member, Scientific Program Committee, 2003 Annual Symposium, American Medical Informatics Association
- 2002 Review Committee Chair, Davies Committee, CPRI-HOST
- 2002 Member, External Scientific Review Committee, Clinical and Laboratory Studies of Malignant Lymphomas, Ronald Levy, Stanford University, Principal Investigator
- 2001 Member, Special Emphasis Panel, Clinical Informatics to Promote Patient Safety (CLIPS), Agency for Healthcare Research and Quality, Bethesda, August 2001
- 2001 Member, Advisory Group to the Leapfrog Group/First Consulting Group project on Development of Testing Criteria and Methodology for Evaluation of Computer-based Physician Order Entry.
- 2001 Member, 2001 Davies Review Committee, CPRI-HOST
- 2000 Member, National VA Workgroup on Warning Alerts and Order Checks
- 1999-2000 Member, National VA CPRS Clinical Workgroup Advisory Committee

- 1998-2000 Member, Clinician Review Committee (1998) and Framework Expert Panel (2000), Government Computer-based Patient Record (G-CPR), Department of Defense, Veterans Health Administration, and Indian Health Service.
- 1997, 2001 Member, American Medical Informatics Association Task Force on Guidelines for the Use of Clinic-Patient Electronic Mail
- 1996-1999 Division Chair, American Society for Testing and Materials (ASTM) Division Two on Health Records, E 31 Committee on Healthcare Informatics.
- 1995 Member, Advisory Committee, AHCPR Center for Rural Health Services Research, Rural Information Systems Options

## SPECIAL LOCAL RESPONSIBILITIES

- 2019-Present Member, Explore and Focus Committee (subcommittee of the Curriculum Committee), of University of Washington School of Medicine
- 2019-Present Member, Brotman Baty Institute for Precision Medicine, Seattle, Washington, USA.
- 2017-Present Member, Clinical and Affiliate Appointments and Promotions Committee, Department of Medicine
- 2014-Present Member, Clinical Practice Committee, UW Physicians
- 2015-2016 Member, Department of Medicine Task Force on Residency Health Systems Pathway
- 2014-2019 Member, Medical Quality Improvement Committee, Harborview Medical Center
- 2014-Present Co-Director for Research, UW Medicine Center for Scholarship in Patient Care Quality and Safety
- 2014 UWMC Chief of Medicine Service Award Search Committee
- 2009-2016 Member, Advisory Board, Clinical Informatics and Patient-Centered Technologies University of Washington School of Nursing
- 2006-2015 Member, Business Excellence Committee, UW Physicians. I served as Chair, 2010-2012.
- 2007-2013 Member, UW Physicians Information Technology Committee
- 2006-2007 Board Member (Clinician-at-Large), Health Information Management Systems Society (HIMSS), Washington Chapter
- 2006-2018 Member, UW Medicine CQIP/Patient Safety Coordination Committee
- 2004-2013 IT Committee, UW Physicians (member Business Applications Committee until 2009)
- 2002-2009 Member, UW Medical Center EMR Steering Committee
- 2002-2006 Co-Chair, Harborview Medical Center EMR User Advisory Committee
- 2002 Member, Templates Task Force of Physician Education, Billing, and Compliance Council, University of Washington Physicians
- 2002-2006 Member, Patient Safety Committee, University of Washington Academic Medical Center
- 2001--2006 Member, Pharmacy and Therapeutics Committee, University of Washington Academic Medical Center
- 2001-2006 Member, Executive Quality Committee (Q1), University of Washington Medical Center
- 2001-2019 Member, UW Medicine Information Technology Services Oversight Committee, previously called Clinical Systems Advisory Committee

- 2001-2019 Member, Medical Records Committee, Harborview Medical Center and University of Washington Medical Center, currently UW Medicine Health Information Management Committee (Chair of Health Information Management Operations Subcommittee)
- 2001-2014 Member, Safe Medication Practices Committee, University of Washington Medical Center
- 2001-2004 Chair, Clinical Computing Advisory Committee, University of Washington Academic Medical Centers
- 2000-2001 Member, Clinical Information Systems Steering Committee, University of Washington Academic Medical Centers
- 2000 Member, VISN20 Telemedicine and Vista Imaging Committee
- 2000 Chair, VISN20 Security/Confidentiality Committee
- 1999-2000 Chair, Security and Confidentiality Subcommittee of Information Resources Advisory Committee, VA Puget Sound
- 1998-2000 Member, Pharmacy and Therapeutics Committee, VA Puget Sound Health Care System
- 1998-Present Member, Advisory Board, Health Information Administration Program, School of Public Health and Community of Medicine, University of Washington
- 1997-2000 Co-chair, Information Resources Advisory Committee, VA Puget Sound Health Care System
- 1997-2000 Chair, Computerized Patient Record System Steering /Consolidated Health Record Committee, VA Puget Sound Health Care System
- 1993-1996 Member, Subcommittee on Immunizations of Committee on Prevention, Group Health Cooperative
- 1993-1997 Member, Clinical Workstation Design Team, Group Health Cooperative (GHC)
- 1993-1994 Member, Problem List Vocabulary Committee, GHC
- 1993-1994 Member, Care Plan Workgroup, GHC
- 1993 Judge, Student Paper Competition, 17th annual Symposium Computer Applications in Medical Care, American Medical Informatics Association
- 1992-1994 Member, Combined Immunization Advisory Board, Seattle/King County, Snohomish County, State of Washington
- 1992, 1998, 2000, 2001, 2002, 2003, 2005, 2007, 2010 Reviewer, annual Symposium on Computer Applications in Medical Care/AMIA Fall Symposium, American Medical Informatics Association
- 1992 Judge, Student Paper Competition, 16th annual Symposium on Computer Applications in Medical Care, American Medical Informatics Association
- 1991-1993 Reviewer, Journal of General Internal Medicine
- 1991-1993 Team Leader, Clinically Related Information Systems Prototype, Group Health Cooperative
- 1991 Reviewer, 15th annual Symposium on Computer Applications in Medical Care, American Medical Informatics Association
- 1990-1993 Advisory Committee and Work Group, Clinically Related Information Systems, Group Health Cooperative
- 1990-1991 Reviewer, Information Services Department Strategic Plan, Group Health Cooperative
- 1989-1994 Committee on Disease Prevention and Health Promotion, Group Health Cooperative
- 1985-1986 Member, Executive Committee, Medical Staff, Denver General Hospital
- 1984-1986 Chairman, Pharmacy and Therapeutics Committee, Neighborhood Health Program, Denver Department of Health and Hospitals



1983-1986      Member of Advisory Board, Health and Hospitals Diabetes Care Committee, Colorado  
Department of Health

## RESEARCH FUNDING

Principal Investigator. Using EHR Content to Prevent Breast and Ovarian Cancer. Fuki Hisama and Lue-Ping Zhao, Co-Investigators  
Total Cost: \$84,769  
5% salary support 1/1/19-12/31/19  
FY18 Catalytic Collaborations granting program  
Brotman Baty Institute

Subcontract Principal Investigator (PI: Delbanco/Walker) 01028539/01028584  
Total Cost: \$1,065,000 (Subaward)  
20% Salary Support 11/01/2017-Present  
Robert Wood Johnson Foundation, Moore Foundation, Peterson Foundation & Cambia Foundation  
OpenNotes: Improving Health through a Culture of Transparency

Principal Investigator. Inpatient progress notes on Medicine: Analysis of current practice and development and piloting of a plan to improve them. Carolyn Sy, Pallavi Arora, Allison Brusati, co-investigators. Department of Medicine Quality and Safety Accelerator Grant Program. \$17,135. 07/01/2017-06/30/2018. Salary support 0%.

Principal Investigator. Improving Accuracy of Electronic Notes Using A Faster, Simpler Approach. AHRQ 1R21HS023631-01. \$293,592. Thomas Gallagher, Andrew White, and Meliha Yetisgen co-investigators. 09/30/2014 – 09/29/2016. Salary support 20%.

Co-Investigator. Using NLP to Extract Clinically Important Recommendations from Radiology Reports. NIH R21 Principal Investigator: Meliha Yetisgen-Yildiz, 4/1/14-3/31/16. Salary support 3%.

Principal Investigator, UW Medicine Patient Safety Innovations Program project, Improving ORCA Patient Problem List Rate of Use and Functionality. Samuel Mandell and Kristina Rudd, co-investigators. Total funding: \$44,023. 2/1/2013 to 1/31/2014. Salary support donated.

Subcontractor, for University of Washington. Tools for Optimizing Prescribing, Monitoring and Education FOA: HS07-004 Council: 05/2007-09/2011 . Bruce Lambert, PhD, PI.  
FOA Title: CENTERS FOR EDUCATION AND RESEARCH ON THERAPEUTICS  
(CERTS)(U18)

VTE Safety Toolkit: A Systems Approach to Safe Practice Interventions AHRQ/DVT budget (61-1879) Grant No.: HS015898-01 Principal Investigator: Brenda K. Zierler, PhD, RN. Total funding XXXX Year 1 Funding: \$299,731. Salary support 5% for 9/16/05-6/30/06.

Co-investigator. AHRQ RFA (HS-04-011) Transforming Healthcare Quality through Information Technology – Implementation Grant (U-01) Principal Investigator: Sullivan, Sean Dale. Effort is 10%. Funding is 12-1-05 through 9-30-05 Continuation to 9-30-06.

Co-investigator. Cyber Disease Management: Using the World Wide Web to share the medical record with patients at home. Harold Goldberg, Principal Investigator. Center for Health Management Research. Total funding \$325 thousand, 5% salary support, 7/1/01-6/30/04, (donated).

Computer Systems Specialist. Breast cancer surveillance in a defined population. Stephen H. Taplin, MD, MPH, Principal investigator. National Cancer Institute. 1994-1999

Co-investigator, then consultant on medical informatics. A comprehensive system for quality improvement in ambulatory care, Stephan D. Fihn, MD, MPH, Principal investigator. Solicited HSR&D IIR Project. 1992-1995

Co-principal investigator. Multicenter data collection of medical adverse events and immunization, Robert S. Thompson, MD, Principal investigator. Centers for Disease Control. 1990-1995

## COMMUNITY SERVICE

2014 Cascade Bicycle Club, Advocacy Leadership Institute  
2009-2015 Board Member, University Family YMCA  
1997-1998 Secretary, Montlake Community Club  
1995-2002 Member, Montlake School PTA

## MAJOR PROFESSIONAL INTERESTS

The use of electronic health records in patient care, clinical research, and quality improvement  
Computerized practitioner order entry  
Exchange of health information  
Computerized clinical decision support  
Natural language processing  
Notes in computer-based medical records, and their content  
Clinical computing

## GRADUATE STUDENTS AND TRAINEES SUPERVISED

2019-Present Wilson Lau. Candidate for Doctoral Degree in Biomedical and Health Informatics. I serve on doctoral supervisory committee.

2019-Present Nikita Pozdeyev. Clinical Informatics Fellow, Department of BIME. I serve as his mentor.

2019-Present Kyle Oelrichs. Candidate for Masters of Science, UW School of Nursing. I serve as his scholarly project chair. Thesis topic: Smart infusion pumps and EHRs.

2018-Present Nicholas Burwick. Assistant Professor without Tenure, DOM - Hematology. I serve as his Center Scholar mentor through the UW Medicine Center for Scholarship in Patient Care Quality and Safety.

2018-Present A. Fischer Lees. Medicine Resident on Clinical Informatics elective. I serve as his mentor and project advisor. Research topic: Utilization of inpatient progress notes.

2018-Present Sandeep Napa. Candidate for Masters of Science in Biomedical and Health Informatics. Research advisor. Health information system infrastructure failures and their clinical implications.

2018-2019 Kevin Li. Candidate for Masters of Science in Biomedical and Health Informatics. Committee member.

2018 Marc Opdahl. Candidate for Masters of Science in Clinical Informatics and Patient-Centered Technologies. Committee member.

2016-2018 Ming-tse Tsai. Candidate for Masters Degree in Biomedical and Health Informatics. Committee chair. Thesis topic: Machine learning to predict ER wait times.

2014-2015 Lucas McCarthy. NLM postdoctoral fellow in Biomedical Informatics. Advisor

2014-2015 Whitney Gretch. Candidate for Masters Degree in Biomedical and Health Informatics. I serve as project advisor and committee chair. Evaluation of blood transfusion CDS.

2013-2015 Ross Lordon. Candidate for Doctorate Degree in Biomedical and Health Informatics. I serve as project advisor. Timing of progress note creation.

2013-2015	Justin McReynolds. Candidate for Masters Degree in Biomedical and Health Informatics. I serve as project advisor. Evaluation of DDI alerts in ambulatory EMR.
2013-2014	Hyrum Kurth. Candidate for Masters Degree in Biomedical and Health Informatics. I serve as CIPCT scholarly project committee chair.
2013-2016	Xinran Liu, MD. Resident, Department of Medicine. Research block project advisor and mentor. Using voice to create inpatient admission notes: comparison in time required.
2013-Present	Dan Martin, MD. Division of Hematology Mentorship Committee, non-Hematology member.
2012-2014	Alex Bryant, MD. Resident, Department of Medicine. Research block project evaluating inpatient drug-drug and drug-allergy alerts
2013	Joshua Brocklesby, BSN. Candidate for Masters in Nursing, CIPCT. Committee member.
2012-2014	Logan Kendall, Candidate for Master of Science and PhD in Department of Biomedical and Health Informatics. Committee member.
2012-2013	Misty Anguiano, RN-BC, BSN. Candidate for Masters in Nursing, CIPCT. Committee member.
2012-2013	Hannah Mandel. Candidate for Masters of Science in Department of Biomedical and Health Informatics. Project advisor and committee chair. Thesis: An evaluation of natural language processing to support the problem list.
2009-2013	Rupa Patel, MS. Candidate for Doctor of Philosophy in Department of Biomedical and Health Informatics. Project advisor.
2007-2009	Jessica Loetel, RN. Masters candidate in UW School of Nursing Informatics Program. Master's Thesis: Success of the electronic medical record, does it depend on nurse acceptance?
2007-2009	Barry Aaronson, MD, Postdoctoral fellow, Dept of Biomedical & Health Informatics, preceptor.
2007-2010	Imre Solti, MD, Postdoctoral fellow, Dept of Biomedical & Health Informatics, research advisor. Use of natural language processing to extract problem list entries from narrative text notes
2004-2010	Ching-Ping Lin, Candidate for Doctor of Philosophy in in Department of Biomedical and Health Informatics, project advisor. Override rates in CPOE.
2005	Zelia Schmidt, MHA Capstone Project, project advisor
2004-2005	Jon Nakashima, Candidate for Master of Science in in Department of Biomedical and Health Informatics, thesis advisor
2004	Amy Chused, Medicine resident, project advisor
2001-2002	Ashley Warner, MD, Candidate for Masters of Science candidate in Department of Biomedical and Health Informatics, project advisor

## CONSULTING

Health Advisory Board, [TransformativeMed.com](http://TransformativeMed.com), 2013-2014.

I-TECH, University of Washington, 2012. EMR systems in developing countries.

Southeast Alaska Regional Health Consortium, Juneau, Alaska, 2010. Electronic medical record implementation.

Vista Institute, University of Hawaii, 2005. CPRS and Vista training.

Integrated Care, South Auckland Health and Middlemore Hospital, Auckland, New Zealand, 2001. Clinical computing systems.

Health information technology company, Seattle, 2000. Advisor on development plans.

Health care organization in Puget Sound region, 1999-2000. Installation and operation of clinical computing systems.

Venture capital firm, 1999-2000. Evaluation of health care computing proposals.

King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia, 1999. Clinical information system selection and installation.

Santa Barbara Medical Foundation, Santa Barbara, California, 1996. Clinical computing systems and planning.

King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia, 1993. Telecommunications and Medical Information Systems Site Visit Team

## PUBLICATIONS. REFEREED JOURNALS. (\*=representative publication)

1. **Payne TH**, Goroll AH, Webster SA, Morgan MM, Varady JA, Barnett GO. The use of COSTAR in a retrolective cohort study of the effect of non-steroidal antiinflammatory agents on blood pressure control. Proceedings of the Twelfth Annual Symposium on Computer Applications in Medical Care. New York: IEEE, November, 1988, pages 740-744.
2. Aronow DB, **Payne TH**, Pincetl SP, and Barnett GO. A survey of the background, activities and goals of medical informatics trainees. Proc Annu Symp Comput Appl Med Care. 1988 Nov 9 : 893-897. PMID: PMC2245199
3. Elkin PL, Cimino JJ, Aronow DB, **Payne TH**, Pincetl SP, Lowe HJ, Barnett GO. Mapping to MeSH. Proceedings of the Twelfth Annual Symposium on Computer Applications in Medical Care. New York: IEEE, November, 1988, pages 185-190.
4. **Payne TH**, Goodson JD, Morgan MM, Barnett GO: Antihypertensive medication selection in essential hypertension: Retrospective studies using COSTAR. Proceedings of the Thirteenth Annual Symposium on Computer Applications in Medical Care. New York: IEEE, November, 1989, pages 718-722.
5. **Payne TH**, Gabella BA, Michael SL, Young WF, Pickard J, Hofeldt FD, Fan F, Stromberg JS, Hamman RF: Preventive care in diabetes mellitus: Current practice in an urban health care system. Diabetes Care 1989; 23:745-47. PMID: 2612308
6. **Payne TH**, Goroll AH, Morgan M, Barnett GO: Conducting a matched-pairs historical cohort study with a computer-based ambulatory medical record system. Computers and Biomedical Research 1990; 23:455-472. PMID: 2225790
7. **Payne TH**, Cohn DL, Davidson AJ, Schaefer JW, Gabow PA: Marked elevation of serum alkaline phosphatase in patients with the acquired immunodeficiency syndrome. Journal of Acquired Immune Deficiency Syndromes 1991;4(3):238-243. PMID: 1992101
8. **Payne TH**, Goodson JD, Morgan MM, Barnett GO: Do resident and staff physicians differ in the types and costs of antihypertensive drugs they select? Journal of General Internal Medicine 1991;6:439-444. PMID: 1744760
9. **Payne TH**, Kanvik S Seward R, Beeman D, Salazar A, Miller Z, Thompson RS: Development of an immunization tracking system in a large health maintenance organization. Proceedings of the Fifteenth Annual Symposium on Computer Applications in Medical Care. New York: IEEE, November, 1991, pages 131-135. PMID: 1807572
10. Aronow DB, **Payne TH**, Pincetl SP. Postdoctoral training in medical informatics: a survey of National Library of Medicine-supported fellows. Med Decis Making. 1991 Jan-Mar;11(1):29-32. PMID: 2034071
11. **Payne TH**, Murphy G, Wagner EH: The Ambulatory Medical Record Project at Group Health Cooperative: What did a decade of experience teach us? Journal of Ambulatory Care Management, 1992; 15:44-54. PMID: 10119976
12. **Payne TH**, Murphy GR, Salazar AS: How well does ICD9 represent phrases used in the medical record problem list? Proceedings of the Sixteenth Annual Symposium on Computer Applications in Medical Care, November, 1992, pages 654-657. PMID: 1482953

13. **Payne T**, Kanvik S, Seward R, Beeman D, Salazar A, Miller Z, Thompson RS: Development and validation of an immunization tracking system in a large health maintenance organization. *American Journal of Preventive Medicine* 1993; 9:96-100. PMID: 8471277
14. **Payne TH**, Savarino J: Computer "Advice" aids in managing care of a population. *HMO Practice* 1993; 7(2):73-74. PMID: 10126685
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## ABSTRACTS, POSTERS, ELECTRONIC PRESENTATIONS

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19. Yan J and **Payne TH**. Recurrent ascites in Castleman-Kojima disease (TAFRO syndrome): A mimic of lymphoma in FDG PET-CT imaging. Society of Nuclear Medicine and Molecular Imaging Annual Meeting. Poster to be presented June 7-11, 2014, St. Louis, MO.
20. Gunn MLD, Yetisgen-Yildiz, M, **Payne TH**, Ilgen, JS, Shandro J,Lehnert BE. Major Incidental Findings on Trauma CT: Rate and Impact of Patient Age. Presentation at RSNA 2014..
21. Schook CC and Flanagan MR Schleyer A, Peterson GN, Mandell SP, Rudd KE, MD, Joyner BD, **Payne T**. Aligning Institutional Priorities: Engaging Housestaff in Quality Improvement and Safety Initiatives to Fulfill CLER Guidelines and Meaningful Use. Accepted for presentation to Association for Surgical Education annual meeting, 2015.
22. Yetisgen M, Klassen P, McCarthy L, **Payne T**, Gunn M. Annotating Recommendation Sentences in Radiology Reports. Poster presentation. In Proceedings of the American Medical Informatics Association Fall Symposium (AMIA'15). San Francisco, November, 2015.
23. Yetisgen M, Klassen P, McCarthy L, Pellicer E, **Payne T**, Gunn M. Annotation of Clinically Important Follow-up Recommendations in Radiology Reports. Poster presentation. In Proceedings of Sixth International Workshop on Health Text Mining and Information Analysis of EMNLP'2015, Lisbon, Portugal, September, 2015.
24. **Payne TH**, Anselmo M, Fellner J and Fazzina R, Elmore J. Open Notes Implementation: The University of Washington's Report and a Review of Approaches and Experiences at Ten Other Sites. Poster presentation at the 2015 Academy Health Annual Research Meeting in Minneapolis, June 14, 2015, Minneapolis, MN.
25. Liu X and **Payne T**. A study to imitate use of voice software and natural language processing to improve physician documentation." Poster presentation at the Washington Chapter of the American College of Physicians, Seattle, WA, November 6, 2015.
26. Lordon R and **Payne T**. Assessing the Delay in Communication Regarding Physician Digital Inpatient Documentation. Poster Presentation – National Library of Medicine Annual Training Conference 2016, June 29, 2016, Columbus, OH.
27. **Payne TH**, Markiel JA, Alonso WD, Lordon R, Lybarger K, Yetisgen M, Zech JM, MS, White AA. Improving Electronic Inpatient Progress Notes Using Voice: Results from the VGEENS Project. Presentation at 2017 AMIA Fall Symposium, Washington, DC, November 5, 2017. (Abstract in Proceedings; listed also in Presentations).
28. **Payne TH**, Peacock S, Shucard H, Radick A, Reisch LM, Liao JM, DesRoches C, Walker JD, Delbanco T, Elmore JG. The patient perspective on provider computer use during patient visits: Results from a large survey. Poster presentation at 2018 Society of General Internal Medicine Annual Meeting, April 12, 2018, Denver, CO.
29. Wilcox P, Hale M, Yi T, Hussey D, Le C, Hinshaw J, Hisama F, Zhao L, Brimm J, and **Payne T**. Needles in the EHR Haystack: Identifying Predictive Factors for Women at Risk for Heritable Breast and Ovarian Cancer. Poster presentation at the American College of Physicians, Washington Chapter, November 1-2, 2019, Seattle, WA.
30. Hisama FM, Zhao L-P, Wilcox P, Yi T, Le C, Hinshaw J, Kostrinsky-Thomas A, Brimm J, and **Payne TH**. Using Electronic Health Record Content To Prevent Breast And Ovarian Cancer. Accepted as a poster presentation at the 2020 ACMG Annual Clinical Genetics Meeting, March 17-21, 2020, San Antonio, TX.

## PRESENTATIONS AND LECTURES IN LAST 5 YEARS (other than listed in Abstracts and Publications)

“Using EHR Content to Prevent Breast and Ovarian Cancer.” With Fuki Hisama, MD, and Lue Ping Zhao, PhD. Presentation to the Breast & Ovarian Cancer Translational Incubator (BOC Incubator) via teleconference. Fred Hutchinson Cancer Research Center, Seattle, April 22, 2020.

“I’m Not Burned Out. Here’s How I Write Clinic Notes.” Ignite presentation. American College of Medical Informatics 2020 Winter Symposium. Scottsdale, Arizona, February 8, 2020.

“Reducing Burnout from the EHR: What’s Next for Practice and Policy.” Panel presentation, with Hardeep Singh, MD, Patricia Dykes, PhD, RN, Genevieve Melton-Meaux, MD, PhD. American College of Medical Informatics 2020 Winter Symposium. Scottsdale, Arizona, February 7, 2020.

“Privacy, Security and Confidentiality.” Lecture to BIME 533 Public Health and Informatics. Seattle, February 5, 2020.

“Information Technology and Patient Safety.” Lecture to UW Medicine Certificate Program in Patient Care Quality and Safety, Seattle, December 4, 2019.

“Reducing Burden: Evidence-based Solutions for Improving Clinicians’ EHR Experiences.” Panel with Chris Dymek, EdD, Genevieve Melton-Meaux, MD, PhD, Hardeep Singh, MD, MPH. 2019 AMIA Fall Symposium, Washington, DC, November 19, 2019.

“Using Voice to Create Hospital Progress Notes.” Presentation to Seattle Tableau User’s Group. Seattle, October 23, 2019.

“Ethics, Privacy Legal, and Regulatory and Financial Issues in Informatics.” “Security.” “Health Information Systems and Applications.” “Implementation and Operation of Clinical Information Systems.” Presentations in AMIA Clinical Informatics Board Review Course, Dallas, September 13-15, 2019.

“Using EHR Content to Prevent Breast and Ovarian Cancer.” Presentation to UW Medicine Center for Scholarship in Patient Safety and Quality Works In Progress Seminar Series, University of Washington, June 3, 2019.

“Information Technology and Patient Safety.” Lecture to UW Medicine Certificate Program in Patient Care Quality and Safety, Seattle, May 22, 2019.

“New approaches to generating and leveraging narrative in the medical record.” Invited speaker, Bakar Computational Health Institute, UCSF. San Francisco, CA, April 23, 2019

“The Electronic Health Record as a Catalyst for Quality Improvement in Patient Care.” Denis Protti Keynote Lecture, Information Technology and Communications in Health Conference 2019. Victoria, BC, Canada, February 17, 2019.

“EHRs and Informatics: Where do we stand?” Panel with Erik Van Eaton, MD. Presentation to Seattle Surgical Society 2019 Annual Meeting. Seattle, February 8, 2019.

“Privacy, Security and Confidentiality.” Lecture to BIME 533 Public Health and Informatics. Seattle, January 29, 2019.

“Unlocking Patient Data – Pulling the Linchpin of Data Exchange and Patient Empowerment.” Panel member representing the American Medical Informatics Association. Briefing at U.S. Capitol with representatives from American Medical Informatics Association (AMIA) and the American Health Information Management Association (AHIMA), Washington, DC, December 5, 2018.

“Using Voice to Create Hospital Progress Notes.” Seattle Health IT Summit, healthcare informatics Health IT Summit Series, Seattle, Washington, October 23, 2018.

“Perspectives on Serving 8 years as a Board Member and Board Chair of AMIA.” Presentation to BIME 590–Biomedical & Health Informatics Lecture Series. University of Washington, October 18, 2018.

“Clinical Computing Systems: Architecture, Functionality, Operations.” Lecture to BIME 530, University of Washington, October 10, 2018.

“Inpatient Progress Notes: How Can We Make Progress?” Grand Rounds, Department of Biomedical Informatics, University of Utah, September 20, 2018.

“Ethics, Privacy Legal, and Regulatory and Financial Issues in Informatics.” “Security.” “Health Information Systems and Applications.” “Implementation and Operation of Clinical Information Systems.” Presentations in AMIA Clinical Informatics Board Review Course, Bethesda, September 14-16, 2018.

“The EHR and the Quadruple Aim: Realities and Potential.” Keynote presentation, 2018 Annual Meeting and Orientation. Clinical Informatics & Patient-Centered Technologies, University of Washington, September 7, 2018.

“Making a Difference. A Rising Tide Lifts All...” Panel presentation with Adam Wright PhD and Christ Mast, MD. 2018 Epic UGM Conference. Verona, WI, August 30, 2018.

“OurNotes Briefing to AMDIS.” Association of Medical Directors of Information Systems, June 21, 2018, Ojai, California.

“The EHR in 2018: Current Status and Future, Locally and Nationally.” With Paul Sutton, MD. Department of Medicine Grand Rounds, University of Washington, May 17, 2018.

“Hospital Clinical Computing Infrastructure and Its Vulnerabilities.” Lecture to BIME 598, University of Washington, April 25, 2018

“Information Technology and Patient Safety.” Lecture to UW Medicine Certificate Program in Patient Care Quality and Safety. University of Washington, April 25, 2018.

“Special Symposium: Creating a Hospital-Based Academic Niche in Health IT.” 2018 Society of General Internal Medicine Annual Meeting, April 13, 2018, Denver, CO.

“The Story of OpenNotes.” Panelist. 2018 Society of General Internal Medicine Annual Meeting, April 12, 2018, Denver, CO.

SGIM “Health Information Technology Shark Tank.” Panelist. 2018 Society of General Internal Medicine Annual Meeting, April 12, 2018, Denver, CO.

“Improving Electronic Inpatient Progress Notes Using Voice.” Presentation to HIMSS Government Relations Roundtable, national webcast, April 11, 2018.

“The electronic health record as a catalyst for quality improvement in patient care.” Presentation to UW Medicine IT Services Analytics All Hands Meeting, Seattle, March 6, 2018.

“Conversation with a CIO and CMIO” To Executive MHA program, University of Washington, Bellevue, March 2, 2018.

“Analytics in the Clinical Setting.” Lecture to Certificate in Health Care Analytics, UW Professional Continuing Education. Seattle, March 1, 2018.

“Privacy, Security and Confidentiality.” Lecture to BIME 533 Public Health and Informatics. Seattle, February 8, 2018.

“House Forum: Informatics. A partnership between the Chief Medical Information Officer and the HIM Director.” National web presentation to AHIMA House of Delegates, with Sally Beahan, RHIA. December 13, 2017

“Health Informatics: An exciting path for internists and more than just health IT.” Keynote address, Association of Chiefs and Leaders in General Internal Medicine Winter Summit. Paradise Valley, Arizona, December 3, 2017.

“Improving Electronic Inpatient Progress Notes Using Voice.” AMIA Fall Symposium, Washington, DC, November 5, 2017.

“Clinical Computing Systems: Architecture, Functionality, Operations.” Lecture to BIME 530, University of Washington. Seattle, October 9, 2017.

“Ethics, Privacy Legal, and Regulatory and Financial Issues in Informatics.” “Security.” “Health Information Systems and Applications.” “Implementation and Operation of Clinical Information Systems.” Presentations in AMIA Clinical Informatics Board Review Course, Portland, August 4-6, 2017; Bethesda, September 8-10, 2017.

“Improving Electronic Inpatient Progress Notes Using Voice.” Informatics Grand Rounds, Oregon Health & Sciences University, Portland, Oregon, August 3, 2017.

“Personalized Medicine: Promise and Pitfalls from EHRs.” Presentation to Strategic Analytics: Changing the Future of Healthcare. MIT Management Latin America Office and Universidad de Chile, Santiago, Chile, May 25, 2017.

“The electronic health record as a catalyst for quality improvement in patient care.” Presentation to P. Universidad Católica de Chile, Santiago, Chile, May 24, 2017.

“The Profession of Clinical Informatics.” Presentation to International Academic Forum Medical Informatics 2017 Santiago, Chile, May 22, 2017.

“Observations on the Evolution of the Role of CMIO.” Presentation to the Bioinformatics Seminar Series, University of New Mexico. Albuquerque, April 6, 2017.

“Information Technology and Patient Safety.” Presentation to UW Medicine Certificate Program in Patient Care Quality and Safety. University of Washington, February 8, 2017.

“Improving Accuracy of Electronic Notes Using a Faster, Simpler Approach.” Presenter in AHRQ’s National Web Conference on Improving Health IT Safety through the Use Natural Language Processing to Improve Accuracy of EHR Documentation. February 7, 2017.

“The EHR Everyone Will Like, & Why.” Ignite presentation at the American College of Medical Informatics 2017 Winter Symposium. Duck Key, Florida, February 3, 2017.

“Information Technology and Patient Safety.” Presentation in QI curriculum, Fellowship in Integrated Care and Telepsychiatry, UW Department of Psychiatry. University of Washington, January 30, 2017.

“The Profession of Clinical Informatics.” Cerner Physician Community (CPC) Call Connection Series. October 26, 2016.

“AMIA: Overview and Its Value to a Career in Informatics.” BIME 590 Biomedical and Health Informatics Seminar Series, University of Washington, October 7, 2016.

“The electronic health record as a catalyst for quality improvement in patient care.” 2016 International Symposium on Consumer Health Informatics and Personal Health Records, Puli Christian Hospital, Puli, Taiwan, August 12, 2016.

“Ethics, Privacy Legal, and Regulatory and Financial Issues in Informatics.” “Security.” “Health Information Systems and Applications.” “Implementation and Operation of Clinical Information Systems.” Presentations in AMIA Clinical Informatics Board Review Course, Providence, RI, August 5-7, 2016; Denver, CO, September 8-11, 2016.

“The electronic health record as a catalyst for quality improvement in patient care.” Kurt Aaron Oration, at the 56th

Princess Alexandra Hospital (PAH) Health Symposium, Brisbane, QLD, Australia, August 3, 2016.

“The transition to electronic health records: Lessons from US and elsewhere.” Keynote Address. 56th Princess Alexandra Hospital (PAH) Health Symposium, Brisbane, QLD, Australia, August 1, 2016.

“Learning from the Record of Hospital Care. Do Physician Progress Notes Help or Hinder?” Presentation to UW Medicine Center for Scholarship in Patient Safety and Quality Works In Progress Seminar Series, University of Washington, July 5, 2016.

“Improving the User Experience” AMDIS Physician-Computer Connection Symposium  
Ojai, California. June 24, 2016

“AMIA EHR-2020 Task Force on Status and Future Direction of EHRs.” LaëL Cranmer Gatewood Distinguished Lectureship, University of Minnesota. May 5, 2016.

“AMIA EHR-2020 Task Force on Status and Future Direction of EHRs.” Presentation to MED262 - Current Trends in Biomedical Informatics, UC San Diego, April 15, 2016.

“Electronic Notes in EHRs: Ten Lessons from a Decade of Experience at the University of Washington.” UC San Diego Information Technology, San Diego, April 15, 2016.

“OpenNotes Implementation and Experiences.” Panel presentation with Homer Chin MD and Alistair Erskine, MD. 2016 Epic XGM Conference. Verona, WI, April 12, 2016.

“Information Technology and Patient Safety.” Lecture to UW Medicine Certificate Program in Patient Safety and Quality. University of Washington, February 24, 2016.

“Privacy, Security and Confidentiality.” Lecture to BIME 533 Public Health & Informatics, University of Washington, Seattle, February 24, 2016.

“Problems and Pitfalls of IT in the ICU” and “EHRs and Hand-held Devices: How they can be Better Used to Help Doctors Doctor.” Washington Thoracic Society 26th Annual Chest Conference and Winter Lung Day. Leavenworth, WA, January 9, 2016.

“Clinical Decision Support in UW Medicine: Successes, potential & pitfalls to avoid.” Presentation to BIME 591A (SLN 11180) – Shared Clinical Decision Support Seminar, University of Washington, November 3, 2015.

“Electronic Notes in EHRs: Ten Lessons from a Decade of Experience at the University of Washington.” Electronic Health Records in Research Seminar Series, Vancouver Coastal Health Research Institute, Vancouver General Hospital, Vancouver, Canada, September 25, 2015.

“Information technology & patient safety: Successes, promise & pitfalls to avoid.” Keynote address to Transitioning to eMedication Management Systems Conference, Implementing eMedication management to improve medication safety. Melbourne, Australia, September 15, 2015.

“Ethics, Privacy Legal, and Regulatory Issues in Informatics.” “Security.” “Health Information Systems and Applications.” “Implementation and Operation of Clinical Information Systems.” “Financial Planning.” Presentations in AMIA Clinical Informatics Board Review Course, Portland, July 10-12, 2015; Indianapolis, September 10-12, 2015.

“AMIA EHR 2020 Task Force on Status and Future Direction of EHRs.” Redwood Mednet Ninth Annual Connecting California to Improve Patient Care in 2015. Santa Rosa, CA, July 31, 2015

Testimony before the U.S. Senate Committee on Health, Education, Labor & Pensions, Senator Lamar Alexander, Chair, and Senator Patty Murray, Ranking Member. “Health Information Exchange: A Path towards Improving the Quality and Value of Health Care for Patients.” Washington, DC, June 10, 2015

“Impact of the EHR on Clinical Productivity.” Grand Rounds, FHCRC Clinical Research/UW Medical Oncology/



Seattle Cancer Care Alliance. Seattle, June 9, 2015.

“AMIA EHR-2020 Task Force on Status and Future Direction of EHRs.” Presentation with Charlene Weir. iHealth 2015. Boston, May 29, 2015.

iHealth 2015 CMIO/CNIO Pre-Conference Workshop: EHR 2020.” Facilitator and presenter, with Michael Weiner, Judy Murphy and Ross Martin. Boston, May 27, 2015

“Improving Accuracy of Electronic Notes Using A Faster, Simpler Approach.” Presentation to UW Medicine Center for Scholarship in Patient Safety and Quality Works In Progress Seminar Series, University of Washington, May 5, 2015.

“The Electronic Health Record in 2020.” Presentation to University Health Network Board of Trustees Annual Retreat, Toronto, Canada, April 15, 2015.

“Health Information Technology Topics.” Presentation to UW Department of Medicine Residency Program, 2014-15 Healthcare Systems Immersion Block, March 31, 2015.

“Privacy, Security and Confidentiality.” Lecture to BIME 533 Public Health & Informatics, University of Washington, Seattle, February 12, 2015.

“Health Information Exchange Here and Abroad.” Lecture to NMETH 524 Health Information Systems and the EHR, University of Washington, Seattle, January 26, 2015.

“A CMIO panel discussion.” With James Bender, MD, Mary Horan, MD, Jean-Paul Creusat, MD, and Eric Shry, MD. HIMSS Washington Executive Dinner, Woodinville, Washington, January 16, 2015.

“Information Technology and Patient Safety.” Lecture to UW Medicine Certificate Program in Patient Safety and Quality. University of Washington, January 14, 2015.

“Physicians as stakeholders of electronic health records.” Lecture to HIHIM 510, University of Washington, Bellevue, WA, November 1, 2014.

“Decision Support and Medication Use.” AMIA Clinical Decision Support Workgroup Conference Call, October 14, 2014.

“Ethics, Privacy Legal, and Regulatory Issues in Informatics.” “Security.” “Health Information Systems and Applications.” “Implementation and Operation of Clinical Information Systems.” “Financial Planning.” Presentations in AMIA Clinical Informatics Board Review Course, Philadelphia, July 18-20, 2014; Chicago, September 5-7, 2014.

“Rebooting Medication Clinical Decision Support: Insights from Bayes' Theorem.” Presentation to Agency for Healthcare Research & Quality (AHRQ) Centers for Education and Research on Therapeutics (CERTs) Steering Committee, Rockville, Maryland, June 25, 2014.

“Health Information Technology Topics.” Presentation to UW Department of Medicine Residency Program, 2014-15 Healthcare Systems Immersion Block, April 3, 2014.

“Problems with Clinical Decision Support: Insights from Bayes' Theorem.” MEBI 590A, Winter 2014, Biomedical and Health Informatics Lecture Series, University of Washington, April 1, 2014.

“Drug-Drug Interaction Clinical Decision Support Conference Series.” Presentation with Dan Malone and Alissa Russ, 2014 HFES International Symposium on Human Factors and Ergonomics in Health Care, Chicago, IL, March 18, 2014.

“Clinical Computing Topics.” To Executive MHA program, University of Washington, Bellevue, March 13, 2014.

“Privacy, Confidentiality and Security.” Lecture to MEBI 533/HSERV 509, Public Health and Informatics.

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University of Washington, February 11, 2014.

“Selected topics on Electronic Medical Records.” Lecture to HIHIM 460 Management Project I, University of Washington, February 6, 2014.