CURRICULUM VITAE

#### Bradley N. Doebbeling, M.D., M.Sc.

Professor (tenured)
School for the Science of Healthcare Delivery &

Department of Biomedical Informatics

College of Health Solutions

Faculty, The Barrett Honors College

Arizona State University

500 North 3rd Street, Health South, Rm. 404

Phoenix, AZ

Phone (602) 496-1948

Cell (317) 331-3243

## I EDUCATIONAL AND PROFESSIONAL HISTORY

##### A. Higher Education

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| --- | --- | --- |
| 1981 | B.S. (With Distinction) | Colorado State University, Ft. Collins Colorado |
| 1985  | M.D. (With Honors) | University of Colorado School of Medicine, Denver, Colorado |
| 1990 | M.Sc. | Preventive Medicine and Environmental Health, University of Iowa College of Medicine, Iowa City, Iowa |

##### B. Postgraduate Medical Education

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| --- | --- | --- |
| 1985-88 | Residency, Internal Medicine | University of Iowa Hospitals and Clinics, Iowa City, Iowa |
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| 1988-89 | Fellowship, Clinical Epidemiology and General Medicine | University of Iowa Hospitals and Clinics, Iowa City, Iowa |
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| 1989-91 | Fellowship, Infectious Diseases and Clinical Epidemiology | University of Iowa Hospitals and Clinics, Iowa City, Iowa |
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| 1990-91 | Chief Resident, Internal Medicine | University of Iowa Hospitals and Clinics, Iowa City, Iowa |

##### C. Certification

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| Board | Number | Date | Recertification |
| Diplomate, National Board of Medical Examiners | 317827 | 07/01/86 | N/A |
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| Diplomate, American Board of Internal Medicine (ABIM) | 119475 | 09/15/88 | N/A |
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| Diplomate, Infectious Diseases Subspecialty Exam, ABIM | 119475 | 11/04/92 |  |
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##### D. Licensure

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| --- | --- | --- | --- | --- |
| State | Date | Perm/Temp | Number | Renewal Date |
| Indiana | 8/04 | Perm. | 01059645A | 10/31/2015 |
| Universal Provider Identification Number |  |  | A03199 |  |

##### E. Professional and Academic Positions

1. Academic

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| --- | --- | --- |
| 1991 - 96 | Assistant Professor | Department of Internal Medicine, University of Iowa College of Medicine, Iowa City, Iowa |
| 1996 - 99 | Associate Professor | Departments of Internal Medicine and Preventive Medicine and Environmental Health, University of Iowa College of Medicine, Iowa City, Iowa |
| 1999 - 01 | Associate Professor | Departments of Internal Medicine and Epidemiology, Colleges of Medicine and Public Health, University of Iowa, Iowa City, Iowa |
| 2001 - 03 | Professor | Departments of Internal Medicine and Epidemiology, Colleges of Medicine and Public Health, University of Iowa, Iowa City, Iowa |
| 2003 - 2010 | Department of Medicine Professorship in Health Services Research | Department of Internal Medicine, Indiana University School of Medicine, Indianapolis, Indiana |
| 2003 - 2015 | Faculty | Graduate School, Indiana University-Purdue University-Indianapolis (IUPUI), Indianapolis, Indiana |
| 2003 -2010 | Adjunct Professor | Department of Epidemiology, College of Public Health, University of Iowa, Iowa City, Iowa |
| 2007 - | Professor (Adjunct) | Weldon School of Biomedical Engineering, Purdue University, West Lafayette, Indiana |
| 2011-13 | Professor (Adjunct) | School of Informatics, Indiana University-Purdue University-Indianapolis (IUPUI), Indianapolis, Indiana |
|  |  |  |
| 2013- | Professor (Adjunct) | School of Medicine, Indiana University-Purdue University-Indianapolis (IUPUI), Indianapolis, Indiana |
| 2013-2015 | Professor & Chair | Department of Biohealth Informatics, School of Informatics and Computing, Indiana University-Purdue University-Indianapolis (IUPUI), Indianapolis, Indiana |
| 2015-18 | Professor | School for the Science of Healthcare Delivery, and Department of Biomedical Informatics, College of Health Solutions, Arizona State University, Phoenix, Arizona |
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| 2018- | Professor | College of Health Solutions, Arizona State University, Phoenix, Arizona |

2. Administrative

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| --- | --- | --- |
| 1988 - 91 | Medical Attending Staff | VA Medical Center, Iowa City, IA |
| 1991 - 03 | Staff Physician | VA Medical Center, Iowa City, IA |
| 1993- 97 | Director, Employee Health | VA Medical Center, Iowa City, IA |
| 1996- 00 | Hospital Epidemiologist | VA Medical Center, Iowa City, IA |
| 1997- 99 | VISN Statistical Consultant | Central Plains Veterans Integrated Service Network (VISN), Omaha, NE |
| 2001- 03 | Co-Director, Research Enhancement Award Program, Interdisciplinary Research in Healthcare Organization | VA Medical Center, Iowa City, IA and Health Services Research and Development (HSRD), VA Central Office |
| 2003 -09 | Director, Health Services Research and Development (HSR&D) | Richard L. Roudebush VA Medical Center, Indianapolis, Indiana |
| 2003 - 10 | Director, Health Services Research; Associate Director, Regenstrief Institute | Regenstrief Institute, Inc., Indiana University School of Medicine, Indianapolis, Indiana |
| 2004 -09 | Founding Director, HSR&D Center of Excellence in Implementing Evidence-based Practice | Richard L. Roudebush VA Medical Center, Indianapolis, Indiana |
| 2004 - 10 | Director, IU Center for Health Services & Outcomes Research | Indiana University, Indianapolis, Indiana |
| 2003 - 13 | Regenstrief Scientist | Regenstrief Institute, Inc., Indiana University School of Medicine, Indianapolis, Indiana |
| 2008- 15 | Faculty Scholar in Translating Research into Practice | Indiana University-Purdue University, Indianapolis |
| 2013-2015 | Founding Chair | Department of Biohealth Informatics, School of Informatics and Computing, Indiana University-Purdue University, Indianapolis |
| 2015-18 | Research Chair | School for the Science of Healthcare Delivery, College of Health Solutions, Arizona State University, Phoenix, Arizona |
| 2017- | Senior Sustainability Scientist | Wrigley Institute for Sustainability, ASU, Tempe, AZ |
| 2017- | Professor | Herberger Institute for Design and the Arts, ASU, Tempe, AZ |

###### **Honors and Awards**

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| Year Honor |
| 1977-81 University Honors Program, Colorado State University |
| 1978-81 Dean’s Honor Roll, Colorado State University |
| 1979-81 Psi Chi Honor Society, Colorado State University |
| 1980-81 Phi Kappa Phi Honor Society, Colorado State University |
| 1980-81 Mortar Board Honor Society, Colorado State University |
| 1981 Phi Beta Kappa Honor Society, Colorado State University |
| 1981 Graduation with Distinction, Colorado State University |
| 1985 Graduation with Honors, University of Colorado School of Medicine |
| 1988-89 Housestaff Affairs Subcommittee, UIHC (Elected) |
| 1990 Nosocomial Infections Research Award – Finalist (National Competition), NFID/Lederle Laboratories |
| 1990 Highest Master Comprehensive Exam Score, Department of Preventive Medicine and Environmental Health, UICM |
| 1992 Central Society for Clinical Research (Elected) |
| 1993 Fellow, American College of Physicians (Elected) |
| 1994 College of Medicine Finalist, Collegiate Teaching Award, UI |
|  (1 of 4 Nominated from UICM) |
| 1995 Outstanding Overall Preceptorship Teaching Evaluations (5.00 out of 5.00), Introduction to Clinical Medicine, UICM |
| 1996-97 The Best Doctors in America: Central Region, (First Edition) |
| 1997 Fellow, Infectious Diseases Society of America (Elected) |
| 1998-99 Best Doctors in America  |
| 2000-01 Best Doctors in America  |
| 2002-03 Best Doctors in America  |
| 2004-05 Best Doctors in America  |
| 2005 Undersecretary of Health Certificate of Appreciation, National Clinical Practice Guidelines Council, VA. |
| 2006 Best Doctors in America  |
| 2007 Best Doctors in America  |
| 2008 Best Doctors in America  |
| 2009 Finalist, Diana Forsyth Award, AMIA Best Paper at the Interface of Medical Informatics and Social Sciences |
| 2011 Cambridge Who’s Who Registry of Executives, Professionals and Entrepreneurs |
| 2012-13 Best Doctors, Indianapolis Monthly Magazine |
| 2013- Elected to Fellowship, Distinguished Scholar, National Academy of Practice |
| Year Award |
| 1980 Scholarship, Colorado Mental Health Association |
| 1983-84 Outstanding Scholarship in the Junior Year, University of Colorado School of Medicine |
| 1985 Outstanding Service Award, Admissions Committee, University of Colorado School of Medicine |
| 1993 Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) Young Investigator Award |
| 1993-96 National Institute of Occupational Safety and Health (NIOSH) Special Emphasis Research Career Award |
| 1994 Lewis D. Holloway Award for Research in Health Sciences Education, The University of Iowa College of Medicine |
| 1996 Collegiate Teaching Award for Outstanding Teaching, UI |
| 2003 Leadership in Research and Educational Programs, UI |
| 2006 Outstanding Investigator of the Year Award, Division of General Medicine and Geriatrics, IUSM |
| 2008 Indiana Public Health Foundation’s Excellence in Health Science Research Award 2008.2015 Impact on Access to Care Award, IUPUI, School of Information and Computing2020 Top 100 Healthcare Leaders Award, International Forum on Advancements in Healthcare (IFAH) Conference (formerly Smart Health), Las Vegas, June 23-25, 2020. |
| 2020 Translational Science Faculty Award, College of Health Solutions, ASU |
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###### **Professional Development, Leadership Training**

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| Dates | Training |
| 8/20-23, 2007 | VHA e-Health University: Innovations for Generations, National Conference for Users of VHA’s Electronic Health Record System |
| 9/10-11, 2007 | NIH Conference on: Building the Science of Dissemination and Implementation in the Service of Public Health |
| 10/2-4, 2007 | Regenstrief Conference: Emerging Perspectives on Transformational Change in Healthcare Systems |
| 11/07-5/23/08 | Indiana Healthcare Leadership Academy, School of Public and Environmental Affairs, Executive Education Program, Indiana University |
| 11/10-14, 2007 | American Medical Informatics Association (AMIA): Biomedical and Health Informatics: From Foundations to Applications to Policy |
| 3/26-28, 2008 | National Forum on the Future of the Defense Health Information |
| 4/6-8, 2008 | The Healthcare Engineering Alliance (HEA): First Annual Healthcare Engineering Symposium on the Interface of Health Services Research and Healthcare Engineering |
| 4/9-12, 2008 | “Translating Research into Practice: Enhancing Education, Patient Care, and Community Health, Society of General Internal Medicine Annual Meeting |
| 4/22/2008 | Research Solutions in Healthcare: Successes, Challenges and Lessons Learned, Regenstrief Center for Healthcare Engineering, Purdue University |
| 4/24-28, 6/5-8, 10/9-12, 2008 & 1/8-11, 2009 | Leading Organizations to Health: Transformative Leadership for Healthcare, Relationship Centered Healthcare, Faculty: Anthony Suchman, MD, MA, FACP; Penny Williamson, Sc.D., Diane Robbins, MA; University of Rochester.* Authentic presence and organizational change
* Individual and small group behavior
* How change moves through organization
* The work of leadership
 |
| 6/22-23, 2011 | NIH SBIR/STTR Conference, 13th Annual, NIH Campus. |
| 11/13-17, 2010 | Symposium on Biomedical Health Informatics, 34th AMIA Annual Meeting, Washington, DC.  |
| 9/1/2010-9/30/2011 | NIH CTSA Multi-Site Randomized Controlled Trial Mentoring Trial, Participation (Active Intervention Group, Mentoring Training Curriculum), led by UW Madison Institute for Clinical and Translational Research |
| 10/22-26, 2011 | Improving Health: Informatics and IT Changing the World, 35th AMIA Annual Meeting, Washington, DC. |
| 2/9-10, 2012 | Invited Participant, “Sustaining the Gains: Developing a Research Agenda for Sustainability, AHRQ/Foundation for Jewish Hospital, Washington University in St. Louis, MO. |
| 5/9-12, 2012 | Promoting Generalist Values in Times of Change, Society of General Internal Medicine Annual Meeting, 35th Annual Meeting, Orlando FL. |
| 6/24-26, 2012 | AcademyHealth 2012 Annual Research Meeting, the Walt Disney World Swan and Dolphin Hotel in Orlando, FL.  |
| 11/3-7, 2012 | Informatics: Transforming Health and Healthcare, 36th AMIA Annual Meeting, Chicago, IL. |
| 12/13-14, 2012 | AMIA 7th Annual Public Policy Meeting (Invitational): Health Data Use, Stewardship and Governance: Ongoing Gaps and Challenges, Washington, DC. |
| 4/25-27, 2013 | SGIM Annual Meeting, Denver, CO. |
| 11/16-20, 2013 | AMIA Annual Symposium, 37th Annual Meeting, Washington, DC |
| 2018-Present | ASU Peer Leadership Academy Nominated by College of Health Solutions dean to participate in a leadership development program |

###### **Other IDs**

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| --- | --- |
| ORCID | https://orcid.org/0000-0003-3504-3468 |
| NIH Commons | Person ID: 8623471 |

**A. Graduate student supervision and committees**

Postdoctoral Fellows or Junior Faculty Supervised:

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| --- | --- | --- | --- |
| **Mentee** | **Period** | **Discipline** | **Current Position** |
| Andreas Widmer, MD, MS \* | 1991-1992 | Clinical Epidemiology | Associate Professor, University of Basel, Switzerland |
| Andreas Voss, M.D., Ph.D. | 1992-93 | Clinical Epidemiology | Associate Professor, University of Nijmegen, The Netherlands |
| Michael Edmond, M.D., M.P.H. | 1992-94 | Clinical Epidemiology/Health Services Research | Director, Division of Healthcare Quality, Professor, Medical College of Virginia |
| Daniel Diekema, M.D., M.Sc. | 1993-95 | Clinical Epidemiology/Health Services Research | Director, Division of Infectious Diseases, Professor of Internal Med & Pathology, University of Iowa Carver College of Medicine |
| Kenneth Saag, M.D., M.Sc | 1994-97 | Clinical Epidemiology/Health Services Research | Professor of Internal Med, University of Alabama, UAB AHRQ-funded Center for Education and Research on Therapeutics (CERT) |
| Kristina Gorbatenko-Roth, Ph.D. \* | 1996-97 | Outcomes Research | Licensed Psychologist, University of Wisconsin |
| Sue Ellen Gardner, Ph.D., FAAN \* | 1998-99 | Clinical Epidemiology/Health Services Research | Associate Professor, UI College of Nursing (VA Postdoctoral Fellowship) |
| Peter Kaboli, M.D., M.S. \* | 1998-00 | Health Services Research | Associate Professor of Internal Med, University of Iowa Health (Research Career Award, VA) |
| Caroline Carney, M.D., M.Sc. | 1998-01 | Clinical Epidemiology | Chief Medical Officer, Tennant Health Plans (NIH K08 Award) |
| Thomas Vaughn, Ph.D. | 1998-03 | Health Services Research | Associate Professor, Health Management and Policy, UI College of Public Health |
| Margaret Voelker, Ph.D. | 1998-01 | Clinical Epidemiology/Health Services Research | Res. Scientist, University of Iowa College of Public Health |
| Eunice E. Lee, D.N.Sc., G.N.P. \* | 2001-03 | Clinical Epidemiology/Health Services Research | Associate Professor, UCLA School of Nursing. (NIH K01 Award) |
| Karl Welke, M.D., M.S. | 2001-03 | Clinical Epidemiology/Health Services Research | Cardiothoracic Surgery, OSF Health Care, Peoria, IL |
| John Schneider, Ph.D. | 2001-04 | Health Economics/Clinical Guidelines | Current position: CEO Avedo Health Economics.Previous Positions: Asst. Professor, Health Management & Policy, University of Iowa (VA MREP Award, VA Merit Review) |
| Steve Flach, M.D., Ph.D.  | 2001-03 | Health Economics/Clinical Guidelines | Current Position: Executive Medical Director, Clinical Pharmacology at CovanceMadison, Wisconsin Area. Previous Position: Asst. Professor, Internal Medicine, University of Iowa (VA HSRD Research Career Award) |
| Usha Subramanian, M.D. \* | 2003-08 | Health Services Research | Staff Physician, Roudebush VAMC (HSRD Research Career Award, VA) |
| Matt Bair, M.D., M.S. \* | 2003-09 | Health Services Research | VA Staff Physician, Associate Professor, IUSM(VA HSR&D Research Career Award) |
| Alan Zillich, Pharm.D. | 2005-10 | Health Services Research | Buck Professor and Chair, Pharmacy Practice, Purdue University, and Research Scientist, VA CIEBP (VA HSR&D Research Career Award, 2007-2010)\*nominated and received 2009 American College of Clinical Pharmacy Young Investigator Award |
| Ranga Ramanujam, Ph.D. | 2005-08 | Organizational Change, Implementation Research | Current Position: Assistant Professor, School of Management, Vanderbilt University, Nashville, TN. |
| Mindy Flanagan, Ph.D. | 2005-07, 2007-10 | Informatics, Implementation Research | Fellow, VA Informatics Postdoctoral Fellowship (VA HSR&D Rapid Response Proposal); Current Position: Assistant Research Scientist, IU CHSOR  |
| David Haggstrom, M.D., M.H.S. | 2006-10 | Implementation Research | Associate Professor, IU School of Medicine; Research Scientist, VA CIEBP (VA HSR&D Research Career Award, 2007-2010); RWJ Foundation Faculty Clinical Scholar (Primary Mentor) |
| Ronald Ackerman, M.D., M.P.H.\* | 2006-09 | Implementation Research | Associate Professor, IU School of Medicine, (RWJ Physician Faculty Scholar, Primary Mentor) |
| Laura Jones Meyers, Ph.D. \* | 2006-08 | Medical Informatics Research | Research Scientist, VA HSR&D Center of Excellence, Informatics Postdoctoral Fellowship |
| Erin Krebs, M.D., M.P.H. \* | 2006-09 | Health Services Research | Associate Professor, Department of Medicine, University of Minnesota, Minneapolis, MN; Research Scientist, VA CIEBP (VA HSR&D Research Career Award, 2007-2010); RWJ Foundation Faculty Clinical Scholar  |
| Jason Saleem, Ph.D.  | 2007-10 | Medical Informatics Research | Assistant Professor, Department of Industrial Engineering, J.B. Speed School of Engineering, University of Louisville; Director of the Center for Ergonomics; VA CIEBP (VA HSR&D Research Career Award, 2009-2012, Primary Mentor) |
| C. Amber Welsh, Ph.D.\* | 2007-08 | Implementation Research | Fellow, VA Interdisciplinary Patient Safety Postdoctoral Fellowship. Current Position: Adjunct Faculty, School of Engineering & Technology, IUPUI |
| Alissa Russ, Ph.D.\* | 2007-10 | Human Factors Research | Fellow, VA HSR&D Associate Health Postdoctoral Fellowship. Current position: Research Scientist, VA HSR&D Center of Excellence, Indianapolis |
| Elaine Lipscomb, Ph.D.\* | 2007-09 | Health Services Research | Fellow, VA HSR&D Associate Research Fellow. Current position: Scientist, Diabetes Prevention and Control Center, IU School of Medicine.  |
| Eric Sherer, Ph.D.\* | 2008-10 | Cancer Care Engineering | Fellow, VA HSR&D Medical Informatics Postdoctoral Fellowship. Current position: Assistant Professor, Assistant Professor of Chemical Engineering. Louisiana Tech University. Ruston, LA. |
| Rebecca Fox, Ph.D.\* | 2008-10 | Implementation & Organizational Change Research | Fellow, VA HSR&D Associate Health Postdoctoral Fellowship. Current position: Assistant Professor, Communications, Texas Tech. University |
| Kathleen Abrahamson, Ph.D.\* | 2008-10 | Health Services Research | Fellow, VA HSR&D Associate Health Postdoctoral Fellowship. Current position: Assistant Professor, Sociology, Western Kentucky University, Bowling Green, KY |
| Po-Ching DeLaurentis, Ph.D.\* | 2009-11 | Health Services Research | Fellow, AHRQ HSR Postdoctoral Fellowship; Current position: Consulting Engineer, Purdue University. |
| Nareesa Mohammed, M.D., M.P.H. | 2009-11 | Medical Informatics | Fellow, VA Medical Informatics Postdoctoral Fellowship. Current Position: Assistant Professor, Department of Informatics, Johns Hopkins. |
| Mathew Burton, MD | 2010-12 | Medical Informatics | Current position: Associate Consultant (equivalent of Assistant Professor), Center for the Science of Health Care Delivery, Mayo Clinics, Rochester, MN. |
| Margie Snyder, Pharm.D., M.P.H. | 2010-17 | Implementation Research | Career Development Award, CTSI; AHRQ K12 Award (2013-2016); Assistant Professor, Pharmacy Practice, Purdue University |
| Tammy Toscos, RD, PhD | 2011-13 | Health Services Research | Fellow, AHRQ HSR Postdoctoral Fellowship; Current Position: Research Scientist, Parkland Research Center, Fort Wayne, IN. |
| Thomas A. Carr, MD FACP\* | 2012-13 | Medical Informatics | Assistant Professor, Medicine, IUSM. Note: Former Practicing Gastroenterologist, Master Biomedical Informatics, Oregon Health & Science University. |
| Jason Cadwallader, MD\* | 2012-13 | Medical Informatics | Fellow, AHRQ HSR Postdoctoral Fellowship |
| Jeanne Ballard, MD\* | 2012-13 | Medical Informatics | Fellow, AHRQ HSR Postdoctoral Fellowship |
| Preethi Srinivas, PhD | 2013-16 | Human Computer Interaction | Research Scientist, Regenstrief Institute, Indianapolis, IN |
| \* Denotes shared mentorship |

Ph.D. Theses Directed or Supervised:

Margaret D. Voelker, M.S., Ph.D., Chair, Doctoral Dissertation Committee, PhD in Epidemiology, “Symptomology Among Gulf War Veterans With Self-Reported Health Decline Compared to Gulf War Era Military Controls: The Iowa Persian Gulf War Study”, 1998-99; Recipient of Milford E. Barnes Award for Excellence in Epidemiology, 1999. University of Iowa. Current Position: Assistant Research Scientist, UI.

Kislaya Kunjan, MS, PhD, Chair, Doctoral Dissertation Committee, PhD in Health Informatics, 1/2013-8/2015. “Dashboards and Data Modeling to Support Implementation of Measures to Improve Access to Care”, Successfully Defended and Approved, October, 2015. Current position: Director, Health Information Technology, Indiana Primary Healthcare Association.

Lu Zheng, RN, Chair, Doctoral Dissertation Committee. PhD in Biomedical Informatics, College of Health Solutions, ASU, 8/2018-current.” Learning Strategies for Effective EHR-related Workflow in Perioperative Care.”

Benjamin Jake Duncan, M.S., Chair, Doctoral Dissertation Committee. PhD in Biomedical Informatics, College of Health Solutions, ASU, 8/2018-current. “A Micro-Analytic Approach to Understanding and Improving Electronic Health Record Navigation Paths”.

Shalini Sivanandam, MD, MS, Chair, Doctoral Dissertation Committee, PhD in Biomedical Informatics, “Predictive Modeling for Identifying Future High Cost High Need Patients”, ASU, 8/2019-current.

Ph.D. Dissertation Committees:

Mary S. Vaughan, M.A., Ph.D., Doctoral Dissertation Committee, “Factors Related to Choice of a Primary Care Physician in a HMO,” Health Services Research, 1995-97. Current Position: Health Research Specialist, Iowa City VAMC.

Kristina G. Gorbatenko-Roth, B.S., M.A., Ph.D., Doctoral Dissertation Committee, “Establishment of Methodological Standards for Health-related Quality-of-life Assessment,” Counseling Psychology/Health Services Research, 1996-97. Current Position: Associate Professor, Department of Psychology, University of Wisconsin.

Michelle Combs, B.S., M.S., Ph.D., “A Method for Including Dropouts in the Analysis of Clinical Trials Data Using the Two-Sided Truncation Model,” Biostatistics, 1996-97. Current Position: Statistician, Industry.

Deborah Schroeder, R.N., M.S., Ph.D., Doctoral Dissertation Committee, “Predictors of In-hospital Mortality in Patients with Catheter-associated Nosocomial Urinary Tract Infections,” Epidemiology, 1996-98.

Sue Ellen Gardner, B.S.N., M.S., Ph.D., Doctoral Dissertation Committee and Postdoctoral Consultant, “The Validity of the Clinical Signs and Symptoms Used to Identify Chronic Wound Infection.” Nursing/Clinical Epidemiology, 1998-99. College of Nursing Nominee, D.C. Spriesterbach Award for Best Dissertation, 2001, U.I. Current Position: Postdoctoral Fellow, Dept. Veterans Affairs National Fellowship (1 of 2 awarded nationally), Iowa City VAMC, Iowa City.

Matthew Schutte, B.S., M.S., Ph.D., Doctoral Dissertation Committee, “Modeling the Transmission of the Varicella Zoster Virus.” Mathematics, 2000. Current Position: Assistant Professor, Department of Mathematics, Georgia Southern University.

Maria Shirey, M.S., R.N., Doctoral Dissertation Committee, “Stress, Coping, Social Support, and Health Outcomes in Nurse Managers”, Management and Organization Nursing, 2006-2009, IU School of Nursing, Indianapolis, IN. Current Position: Assistant Professor, Nursing, Southern Illinois University.

Vinita Agarwal, M.S., Ph.D., Doctoral Dissertation Committee, “Diffusion of MRSA Practices in Health Care Settings: The Role of Trust and Media Selection in Staff Preventive Behaviors During Organizational Change”, Communications Department, 2007-2008, Successfully defended 11/7/08, Department of Communications, School of Liberal Arts, Purdue University, IN. Current Position: Assistant Professor, Communication Arts, Salisbury University.

Sandra Wu, M.S., Doctoral Dissertation Committee, “”, 2007-2009, Successfully defended 11/7/08, Department of Industrial Engineering, School of Engineering, Purdue University, IN. Current Position: Assistant Professor, University of Texas.

Natasha Birchfield, Doctoral Dissertation Committee, 2018-11/2019, Nutrition and Health Promotion, College of Health Solutions, ASU, “Implementing the Exercise is Medicine Solution: A Process Evaluation Conducted in a University-Based Healthcare System”. Successfully Approved 11/2019.

Jake Benjamin Duncan, Doctoral Dissertation Committee, 1/2017-7/2018, Biomedical Informatics, ASU. Became Chair in 8/2018.

Lu Zhang, Doctoral Dissertation Committee Chair, 1/2017-7/2018, Biomedical Informatics, ASU. .Became Chair in 8/2018. Recipient of 2020 Steve Liber Innovator Scholarship of HIMSS ($5K cash and national HIMSS meeting attendance, Orlando, FL, March 2019)

Masters Students Supervised:

Masters Thesis Committee, Design School, Committee Member. “Diabetes Management System for a New Type 2 Diabetes Geriatric Cohort: Improve the Interaction of Self-Management” by Chenyang Lu, 12/30/2017.

Masters Thesis Committee, Design School, Committee Member. “Design Considerations for Complex Illnesses” by Maozhen Liu, 5/8/2018.

Masters Capstone Faculty Mentor, Science of Health Care Delivery. “Allocation of Operating Room Capacity - Best Practices, Evaluation of Tools, Model for Future” by Juliette Friedland, Eric Siebeneck, and Gabrielle Jimenez.

Masters Applied Project Committee, College of Health Solutions, Committee Chair. Applied Project “Information System Workflow Instances in Emergency Departments Before and After Electronic Health Record Conversion” by Andrew J. Solomon, 5/08/2018.

Masters Capstone Faculty Mentor, Science of Health Care Delivery, Primary Mentor. “Improving Care Coordination for Children with Complex Health Needs” by Carlos Arras, 5/08/2018.

Masters Capstone Faculty Mentor, Science of Health Care Delivery, Primary Mentor. “Reducing Costs for Children Requiring Complex Care Through Care Coordination” by James Buness, 5/08/2018.

Jisun Myung, School of Theatre and Film, Scoping Review, Creative Health Collaborations Project, Impact of Arts, Design and Humanities Interventions on Health and Quality of Life, 1/2018-Current, Co-Mentor.

Faculty Lead and Mentor, Arizona State University Entrepreneurship and Innovation I-Corps Program. “Applications for Surgical Planning and Scheduling” by Niabari Deeyor, 8/2019.

Research Mentor, Barrett’s Honor College Research Experience, “Opiod Prescribing and Effective Behavioral Health Integration”: Casaundra Krob (Psychology), Sydney Wickman (WP Carey Business), Fall 2018.

Masters Capstone Faculty Mentor, Science of Health Care Delivery, Primary Mentor. “Defining and Improving Care Coordination Processes for Children with Complex Needs” by Jennifer Cuadros, Anticipated 5/2019.

Masters Capstone Faculty Mentor, Science of Health Care Delivery, Primary Mentor. “Defining and Improving Care Coordination Processes for Children with Complex Needs” by Megan Kotzin, Anticipated 5/2019.

Masters Capstone Faculty Mentor, Science of Health Care Delivery, Primary Mentor. “Defining and Improving Care Coordination Processes for Children with Complex Needs” by Sarah Nelson, Anticipated 5/2019.

Junior Faculty Mentored, Career Award Sponsor/Co-Sponsor:

Kenneth G. Saag, MD, MSc, Assistant Professor of Rheumatology, “Clinical Epidemiology/ Health Services Research”, 07/01/1994 - 06/30/1998.
Current Position: Professor and Director, AHRQ Center for Education and Research on Therapeutics (CERT), University of Alabama, Birmingham.

Caroline Carney, MD, MSc, “Epidemiology of Cancer and Mental Illness in Rural Areas”, 07/01/2001 - 06/30/2006, NIMH Grant Number: 1 K08 MH01932-01A1, $856,194. APA Mental Health Services Young Investigator Award, 2002-2003, $20,000. NARSAD Young Investigator Award, 2003-2005, $60,000. Assistant Professor, Internal Medicine, Psychiatry and Epidemiology, UI.

Julia Seng, RN, PhD, “PTSD and Adverse Pregnancy Outcomes”, Pfizer Nursing Outcomes Research Award, The Pfizer Postdoctoral Fellowships in Nursing Research, 2001-2003. Now FAAN, and Associate Professor, U Michigan School of Nursing.

Eunice E. Lee, RN, DNSc, “Breast and Cervical Cancer Screening in Korean-American Women”, K01 Career Development Award, NINR, $225,000, 9/30/01-9/29/04. Now Associate Professor, UCLA School of Nursing, Los Angeles, CA.

Steven D. Flach, MD, PhD, “Econometric Models of Guideline Implementation in Hospitals”, VA HSRD Research Associate Award, Funded 5/01/02, 2 years, $150,000 total. Now Executive Medical Director, Clinical Pharmacology at Covance, [Madison, Wisconsin](https://www.linkedin.com/vsearch/p?f_G=us%3A472&trk=prof-0-ovw-location" \o "Find other members in Madison, Wisconsin Area).

John Schneider, Ph.D., “Integrating Cost Analysis and VA Organizational Research”, Merit Research Entry Program (MREP) Career Awardee, 1/1/03 to 12/31/06, 5/8’s salary support, HSRD, VA, and Merit Review, Assistant Professor, Health Management and Policy UI College of Public Health. Now: CEO, Avalon Health Economics.

Kevin Doerschug, MD, “The Role of Microbial Organisms in Acute Lung Injury”, K23 Mentored Patient Oriented Research Career Award, $625,050, 7/1/02-6/30/07, NHLBI, Assistant Professor, Internal Medicine, UI. Now Clinical Professor, Department of Internal Medicine, University of Iowa Health Care.

Colleen M. Kennedy, MD. “Vulvar Disease and Bladder and Bowel Symptoms”, K23 Mentored Patient Oriented Research Career Award, $554,307, 1/01/04-12/30/08, Assistant Professor, Obstetrics and Gynecology, UI.

Matthew J. Bair, MD, MS. “Improving Pain Management in Primary Care”, VA HSR&D Research Career Development Awardee, 9/2005-8/2008, ~$376,000, (Comentor).
- VA HSR&D Career Development Transitional Award (RCD 04-116-1), “Care Management for the Effective Use of Opioids”, 10/1/08-9/30/10, ~ $280,000. Now Associate Professor of Medicine, IUSM, Indianapolis, IN.

Alan Zillich, Pharm.D., 9/05-6/2012, VA HSR&D Research Career Development Award, “Implementation of Evidence-Based Strategies for Pharmaceutical Care,” (7/08-6/11), primary mentor. Current position: Associate Professor and Chair, Pharmacy Practice, Purdue School of Pharmacy and Research Scientist, VA HSR&D Center on Implementing Evidence-based Practice.

Mindy Flanagan, Ph.D., Postdoctoral Fellow, VA Informatics Fellowship, 9/07-6/08, primary mentor. Current position: Assistant Research Scientist, IU Center for Health Services & Outcomes Research and Research Scientist, VA HSR&D Center on Implementing Evidence-based Practice.

Ronald T. Ackermann, MD, MPH, Healthcare-Community Partnerships to Prevent Diabetes, RWJ Generalist Physician Faculty Scholar Award, 6/06-6/09, primary mentor. Current Position: Associate Professor, Northwestern University School of Medicine, Chicago, IL.

David Haggstrom, M.D., M.A.S., 8/06-6/12, VA HSR&D Research Career Development Award, (2/08-1/13), “Colorectal Cancer Survivor Surveillance Care and Personal Health Records”; also VA-RWJ Clinical Scholar Program (inaugural class), primary mentor. Current position:  Associate Professor, IU School of Medicine, and Research Scientist, VA HSR&D Center on Implementing Evidence-based Practice.

Erin Krebs, M.D., M.P.H., Assistant Professor, IU School of Medicine, 7/06-6/10, VA HSR&D Research Career Development Award, “Improving the Quality and Safety of Opioid Prescribing in Primary Care (2/09-1/14); also VA-RWJ Physician Faculty Scholars Program (inaugural class 2009-2012), comentor. Current position:  Associate Professor, Internal Medicine, University of Minnesota, Minneapolis, MN.

Jason Saleem, Ph.D., VA HSR&D Research Career Development Award, (9/1/09-8/30/12); “Circumventing Health IT: Identifying Patient Safety Risks”, Dates TBD, $325,000 total (100% salary support for 3 years), Employed at VA HSR&D Center of Excellence from 2003-2013 as Director, Human Factors Usability Lab and Research Scientist. Assistant Professor, Department of Industrial Engineering, J.B. Speed School of Engineering, University of Louisville; Director of the Center for Ergonomics.

Margie Snyder, Pharm.D., M.P.H., NIH CTSI Clinical Scholar Award, (7/1/10-6/30/2012). AHRQ K12 Clinical Research Award (2013-2016). AssociateProfessor, Pharmacy Management, Purdue University.

Tammy Toscos, RD, PhD, Postdoctoral Fellow, AHRQ HSR Postdoctoral Fellowship; Current Position: Research Scientist Mirro Research Center, Parkview Medical Center, Fort Wayne, IN..

Ayten Turkcan, PhD, Postdoctoral Fellow, Purdue University Regenstrief Center for Healthcare Engineering Fellowship; Previous Position: Assistant Professor, Industrial Engineering and Management, Northeastern University, Boston, MA. Current Position: Senior Systems Engineer, New York City Fire Department.

**B. Courses Taught (since 2015) at ASU**

Undergraduate Courses:

MED 100: Introduction to Medical Studies Fall (2015) 1 SH (128 Freshmen)

Overview: Overview of topics and concepts included in the Medical Studies degree program. Introduces key concepts and frameworks for those considering a career in the medical and other health discipline studies. These concepts and frameworks are important for any U.S. citizen, consumer of healthcare and/or advocate for healthcare system improvement to understand, be able to discuss and apply in problem solving and decision making, and in considering possible career paths.

HCD 302: Health Care Management Spring (2016) 3 SH (11 upperclassmen)

Overview: Provides a systematic understanding of organizational principles, practices, and insights pertinent to the management of health services organizations. While based on state-of-the-art organizational theory and research, the emphasis is on application. Students will go beyond the traditional focus of health care on hospitals and other provider organizations to include suppliers, buyers, regulators, public health and financing organizations, and examine a more comparative, global perspective on how the United States and other countries address issues of health and health care. Case studies, practical scenarios, and controversial issues are highlighted in each session to challenge the student to provide solutions and philosophical positions on a variety of issues.

HSM 502: Health Care Organization Fall (2016) 3 SH Eugene Schneller, PhD, Course Director (Guest Lecture, Health Information Systems and Strategy (4 hours)

Overview: HSM 502 seeks to prepare students to become managers and leaders within the health care sector. To accomplish this they will need to understand the changing U.S. health sector within its historical, political and social context, thereby being able to assess the current strengths, weaknesses and opportunities encountered within the system. The course provides a socio-cultural overview of the patient/consumer, health professions, and delivery and business aspects of the health sector. It highlights the problems faced by patients, caregivers, purchasers (government and business) and insurers of health care as they seek to operate within or modify health care systems. This is a studio course, so classroom time will be spent designing solutions to problems. The course, however, is based upon the theories, models and concepts covered by other courses in the MBA program and demands that solutions designed should be “evidence-based”. It provides a framework and the opportunity to integrate – via their use - concepts and models learned in other courses and to apply them in a health services management context.

CSE 394: VIP-Health IT Innovation 1-3 SH Robert Greenes, PhD, Course Director (Co-Director, Design and Implementation

This course is designed to engage students as members of the research team for the HII-C (Health IT Innovation Collaborative) Initiative at ASU, a project aimed at developing apps, tools, and services to meet the needs of a transforming health-care system. Today’s health system needs patient-centered data from multiple sources, including doctors, mobile devices, and personal biosensors, throughout a patient’s lifetime. To use these data requires compatible ways to share and integrate the data, knowledge models for organizing and reasoning with the data, and the design of apps to deliver high quality visualizations, recommendations, and actions that provide optimal care. Students explore new user interactive app design approaches, knowledge models for supporting the apps to provide decision support, and implementation architectures to build and test such products. In the process, you will learn about health systems needs and requirements, the data analytics, knowledge and reasoning needed to improve care, and the technology to deliver such capabilities. This course is part of a sequence of x94 VIP courses (where x=undergraduate year). This can lead to a senior thesis or capstone project and will be based on the student’s contribution to the team’s research (the 494 version of this course is subject to approval by the academic unit).

BMI 332: Team Dynamics for Healthcare IT Projects. 3 SH David Kaufman, PhD, Course Director (Guest Lecturer).

This course focuses on topics pertaining to teamwork, project management and cognition in relation to Healthcare IT. Teaches the fundamentals of leadership, management, and team dynamics with a focus on informatics and healthcare applications. Teaches students about team and group dynamics, recognizing dysfunctional teams, and helping to fostering productive group and leadership skills. There is a particular focus on team science, a newly emerging area of research and cognitive support for clinical workflow. Lectured on community informatics teamwork and led exercise on applying recent literature on HITECH investments to career goals.

 BMI 601: (**Fundamentals of Health Informatics**) 3 Sections, Fall, 2017

Offers an overview of the field of health informatics. Combines perspectives from medicine and computer science for use of computers and information in health care and the health sciences. Includes an overview of health information literacy and data standards. Covers specific applications and general methodology in health informatics using current topics in the field. Discusses evaluations of health systems.

 VIP-HCD x94 **(Learning Health System Apps)** 1-3 SH

America's health care system is far too complex, costly and fragmented to continue business as usual. Students have the opportunity to engage in an experiential, interdisciplinary Vertically Integrated Projects (VIP) initiative to work in research and development teams to identify and evaluate challenges, then design and test novel health tools and strategies (such as apps, software or other projects) as potential Learning Health System-driven solutions using a lean startup approach.

Spring 2018: H Sambola (CONHI), C Thomas (CHS), S Wickman (WPC); 294 T Baker (CHS), J Garcia (CLA), S Naik (LA); 494 N Reyes (CHS); and audit (International Health); 2 students,

Fall 2018, 2 students,

BMI 593 (**Applied Project)** 1 section, Spring 2018. AJ Solomon.

BMI 790 (**Readings and Conference in EHR Mediated Workflow)** 1 section, Fall 2018. Lu Zheng and “Jake” Benjamin Duncan.

Developed new readings discussion course for 2 BMI PhD students on EHR mediated workflow models, measurement and research gaps. Students responsible for article selection, presentation and discussion with faculty. Developed annotated bibliography as final product.

Spring 2019.

BMI 792 (**Research)** 1 section, Spring 2019, 3 PhD Students, 12 semester hours.

Lu Zheng, “Jake” Benjamin Duncan, Shalini Sivanandam.

 Vertically Integrated Program VIP-HCD x94 **(Learning Health System Apps)** 1-3 SH. Spring 2019, 11 students, 18 credits, All Barrett Honors Students.

VIP 194: Raphael David (Ind Engineering): 2 credits; VIP394: Sara Ahmad (Cross-sector Leadership); Rachel Fisher (Biomed Engineering); Miriam Goras (Biochem); Kaxandra Nessi (Microbiology); Keene Patarakun (Biomed Engineering); Ellen Ruan (Biology): Christian Sulit (Business), 11 credits; VIP 494: Esther Cheng (Molecular Biosci/Biotech); Ellen Dries (Intl Business); Joe Waugh (Business): 5 credits.

Fall 2019.

Undergraduate: 1 In person Class (38 students, 114 S.H); Research including In-Person: 15 students, 30 S.H.

HCD303: Global Health Care Systems, 114 S.H. total, 38 Students, 3 S.H. each. New class for this instructor.

VIP 194-494: 1-3 S.H. 13 students. X credits, All Barrett Honors Students.

VIP 294 LHS: 4 students, 7 S.H. total: Anika Bausom (Grad, User Experience), 3 S.H.; Raphael David (Industrial Engineering), 1 S.H.; Jon Ocal (Intl Business), 2 S.H.; Gina Toma (Health Solutions-Med Studies), 1 S.H.

VIP 394 LHS: 6 Students, 12 S.H. total: Bayley Brennan (Neurobio), 1 S.H.; Tina Kaing (BMI), 3 S.H.; Liu Stanley (Computer Systems Engineering) 1 S.H.; Christian Sulit (Business) 1 S.H.; Hannah Webber (Health Solutions-Sci Healthcare Delivery), 3 S.H.; Margaret Wong (Human Systems Engineering), 3 S.H.

VIP 494 LHS: 2 Students, 2 S.H. total: Rebecca Sturm (Global Health, switched to BMI), 1 S.H.; Sarah Xi (Chem Engineering), 1 S.H.

BIO 495: 1 student, 3 S.H. Undergraduate Research, Sophia Gibbs (Biomed Sci), 3 S.H.

CHS 492: Honors Directed Study: Esther Cheng (Molecular Biosci/Biotech); Lillie Robinson (BMI): 6 S. H total. Included as part of VIP Program.

Graduate: 1 online class (24 students, 72 hours); Research (3 students, 21 S.H.)

BMI 613. Workflow Analysis and Redesign, 72 S.H. total: 24 students, 3 S.H.

BMI799: Dissertation, 7 S.H. Lu Zheng.

BMI792: Research, 14 S.H. total. 8 S.H. Lu Zheng; 6 S.H. Benjamin Duncan.

Spring 2020.

Undergraduate: 13 In person Honors Research Class & Mentoring: 14 students, 38 S.H.

VIP 194-494: 1-3 S.H. 13 students. 32 credits, All Barrett Honors Students.

VIP 194 LHS: 2 students, 4 S.H. total: 2 S.H.: Anumintha Aravindan (Gen Cell & Dev Biol), 3 S.H.; Kiran Ramakumar (Business Data Analytics). 3 S.H.

VIP 294 LHS: 4 students, 1-3 S.H. total: 6 S.H.: Divya Chauhan (Med Microbiol), 3 S.H.; Anika Islam (Business Health Care), 1 S.H.; Shayna Mallett (Biomedical Informatics), 1 S.H.; Sarah Xi (Chem Engineering).

VIP 394 LHS: 7 Students, 10 S.H. total: Bayley Brennan (Neurobio), 1 S.H.; Elizabeth Batzli (SHCD Med Studies) 3 S.H.; Saigayatri Darira (SHCD), 2 S.H.; Javon Freeman (Neurobiology), 1 S.H.; Teleah Hancer (biomedical Engineering), 1 S.H.; Katherine Holmes (Global Health) 1 S.H.; Santana Solomon (SHCD Medical Studies), 1.S.H.

VIP 494 LHS: 4 Students, All Returning, 12 S.H. total: Tina Kaing (BMI), 3 S.H.; Jon Ocal (Intl Business), 3 S.H., Christian Sulit (Business Data Analytics) 3 S.H.; Margaret Wong (Human Systems Engineering). Note Grad Student listed under Grad Students section.

CHS 493: Honors Thesis: Esther Cheng (Molecular Biosci/Biotech); Lillie Robinson (BMI): 6 S. H total. Included as part of VIP Program.

Graduate: 4 grad students, 3 S.H.

VIP 494 LHS: 1 Grad Student, Returning, 3 S.H. total: Shalini Sivanandam, (PhD student in BMI), 3 S.H.

BMI593 Applied Project: Mathew Borlongan (BMI Grad), 3 S.H.
 -Borlongan, M., Hermer, J., Chiou, E., Greenes, R., Doebbeling, B.N. Characterizing Drug-Drug Interactions: A Rapid Review.

BMI792: Research, 4 S.H. total. 1 S.H. Lu Zheng; 3 S.H. Benjamin Duncan.

BMI799: Dissertation, 5 S.H. Lu Zheng, 12 S.H., Shalini Sivanandam.

Fall 2020.

Undergraduate: 20 In person Honors Research Class & Mentoring: 14 students, 38 S.H.

VIP 194-494: 1-3 S.H. 13 students. 32 credits, All Barrett Honors Students.

VIP 194 LHS: 1 students, 1 S.H. total: 1 S.H.: Hannah Kaufman (BMI). 1 S.H.

VIP 294 LHS: 5 students, 12 S.H. total: 3 S.H.: Anumitha Aravindan (Cell Biol). 2 S.H.: Michelle Houchins (Computer Science); Yash Sharma (Neurobiology) 3 S.H.; Angeli Sirilan (Biomed Sciences, 3 S.H.; Derek Smetanick (Bimed Engineering), 1 S.H.

VIP 394 LHS: 7 students, 1 S.H. total: 18 S.H.: Joy Abaidoo (Biological Sci). 3 S.H.; Nora Abouseido (Biomed Sci), 3 S.H.; Divya Chauhan (Neurobiology), 3 S.H.; Spencer Hauxhurst (Biomed Engineering), 3 S.H.; Danielle Huber (Legal Studies), 3 S.H.; Michael Leung (Biochem), 1 S.H.; Danielle Pais (Neurobiol), 2 S.H.

VIP 494 LHS: 7 students, 1 S.H. total: 17 S.H.: Benjamin Duncan (PhD Biomed Informatics), 3 S.H.; Payton Erickson (Biomed Sci), 3 S.H.; Jon Ocal (MS SHCD), 1 S.H.; Claire Pishko (BioChem) 3 S.H.; Hargun Sachdev (Neurosci), 3 S.H.; Shalini Sivanandam (PhD Biomed Informatics) 3 S.H.; Santana Solomon (Med Studies) 1 S.H.

CHS 492 Honors Directed Study 3 Students, 9 S.H. Bayley Brennan (Health Wellness) 3 S.H.; Saigayatri Darira (SHCD) 3 S.H.; Madeleine Howell-Moroney (Biomed Sci-Illustration) 3 S.H.

Grad

BMI 613 Workflow Analysis & Redesign 28 students 84 S.H., Course Lead, 2 sections, all online

HCD 575 Leadership & Professionalism 31 students, 93 S.H., Taught 1st time, Online section.

BMI 593 Applied Project, Matthew Borlongan, 3 S.H., conducted rapid review,

BMI 792 Lu Zheng (PhD BMI) 6 S.H.

Doctoral Advising (Chair of Committee): Jake Duncan, Shalini Sivanandam, Lu Zheng

Spring 2021

CHS 492 Honors Directed Study:
Nora Abouseido (Biomed Sci) 3 S.H.; Haley Harelson (Computational Life Sci) 3 S.H.; Michelle Houchins (Computer Sci) 3 S.H.; Claire Pishko (Biochem) 3 S.H.

CHS 493 Honors Thesis:
Bayley Brennan (Health Wellness) 3 S.H. Family Centered Perspectives to Improving Care Coordination for Children with Special Health Care Needs. Submitted to the Barrett Honors College (Chair).

Saigayatri Darira (SHCD) 3 S.H. “Healthcare Leadership Strategies during COVID.” Submitted to the Barrett Honors College (Chair).

Graduate

BMI 616 Clinical Decision Support 57 students, 171 S.H. (2 sections, all online), Course Lead \*asked to teach this 72 hours before course started

BMI 792 Doctoral Research
Shalini Sivanandam (BMI PhD) 6 S.H., Lu Zheng (BMI PhD) 6 S.H.

Doctoral Advising BMI (Chair of Committee): Jake Duncan, Shalini Sivanandam, Lu Zheng

One course buyout due to funding from Primary Care Lab of the Future (Lamb PI)

DSC 598 Strategic Design Futures (3 SH), 22 Grad students in Design School
Instructor: G. Mauricio Mejia (Design School), Role: Discussant for Live Project

GRA 522 Advanced Visual Design Studio II (5 SH), 22 Grad students in Design School
Instructor: G. Mauricio Mejia (Design School), Role: Discussant for Live Project
- Visual communication design is about envisioning preferred visual information to communicate ideas, facilitate understanding, trigger behaviors, or visualize complexity.

1. **Publications or Creative Works**

 Peer-Reviewed Papers Published or In Press (By Topic Area)

 Patient Safety

1. Doebbeling, B.N., Pfaller, M.A., Houston, A.K. and Wenzel, R.P.: Removal of Nosocomial Pathogens From the Contaminated Glove: Implications for Glove Reuse and Hand Washing. Ann. Intern. Med., 109:394-398, 1988.
2. Doebbeling, B.N., Bale, M.J., Koontz, F.P., Helms, C.M., Wenzel, R.P., and Pfaller, M.A.: Prospective Evaluation of the Gen-Probe Assay for Detection of *Legionellae* in Respiratory Specimens. Eur. J. Clin. Microbiol. Infect. Dis., 7:748-752, 1988.
3. Doebbeling, B.N., Ishak, M.A., Wade, B.H., Pasquale, M.A., Gerszten R.E., Groschel, D.H.M., Kadner, R.J., and Wenzel, R.P.: Nosocomial *Legionella micdadei* Pneumonia: 10 years Experience and a Case-Control Study. J. Hosp. Infect., 13:289-298, 1989.
4. Doebbeling, B.N., and Wenzel, R.P.: Spontaneous Streptococcal Gangrenous Myositis. Survival with Early Debridement. Southern Medical Journal, 82:900-902, 1989.
5. Doebbeling, B.N., Pfaller, M.A., Kuhns, K.R., Massanari, R.M., Behrendt, D.M., and Wenzel, R.P.: Cardiovascular Surgery Prophylaxis: A Randomized, Controlled Comparison of Cefazolin and Cefuroxime. J. Thorac. Cardiovasc. Surg., 99:981-989, 1990.
6. Doebbeling, B.N., Pfaller, M.A., Bale, M.J., and Wenzel, R.P.: Comparative *In Vitro* Activity of the New Quinolone Sparfloxacin (CI-978, AT-4140) Against Nosocomial Bloodstream Isolates. Eur. J. Clin. Microbiol. Infect. Dis., 9:298-301, 1990.
7. Doebbeling, B.N., and Wenzel, R.P.: The Direct Costs of Universal Precautions in a Teaching Hospital. JAMA, 264:2083-2087, 1990.
8. Reagan, D.R., Doebbeling, B.N., Pfaller, M.A., Sheetz, C.T., Houston, A.K., Hollis, R.J., and Wenzel, R.P.: Elimination of Coincident *Staphylococcus aureus* Nasal and Hand Carriage with Intranasal Application of Mupirocin Calcium Ointment. Ann. Intern. Med., 114:101-106, 1991.
9. Doebbeling, B.N., Hollis, R.J., Isenberg, H.D., Wenzel, R.P., and Pfaller, M.A.: Restriction Fragment Analysis of a *Candida tropicalis* Outbreak of Sternal Wound Infections. J. Clin. Microbiol., 29:1268-1270, 1991.
10. Doebbeling, B.N., Pfaller, M.A., Hollis, R.J., Boyken, L.D., Pignatari, A.C., Herwaldt, L.A., and Wenzel, R.P.: Restriction Endonuclease Analysis of *Staphylococcus aureus* Plasmid DNA from Three Continents. Eur. J. Clin. Microbiol. Infect. Dis., 11:4-8, 1992.
11. Doebbeling, B.N., Stanley, G.L., Sheetz, C.T., Pfaller, M.A., Houston, A.K., Annis, L., Li, N., and Wenzel, R.P.: Comparative Efficacy of Alternative Handwashing Agents in Reducing Nosocomial Infection Rates in Intensive Care Units. N. Engl. J. Med., 327:88-93, 1992.
12. Doebbeling, B.N., Lehmann, P.F., Hollis, R.J., Wu, L-C., Widmer, A.F., Voss, A., and Pfaller, M.A.: Comparison of Pulsed-Field Gel Electrophoresis and Isoenzyme Profiles as a Typing System for *Candida tropicalis*. Clin. Infect. Dis., 16:377-383, 1993.
13. Widmer, A.F., Wenzel, R.P., Trilla, A., Bale, M.J., Jones, R.N., and Doebbeling, B.N.: Outbreak of *Pseudomonas aeruginosa* Infections in a Surgical Intensive Care Unit: Probable Transmission via Hands of a Health Care Worker. Clin. Infect. Dis., 16:372-376, 1993.
14. Doebbeling, B.N., Breneman, D.L., Neu, H.C., Aly, R., Bienvenido, Y.G., Holley, H.P., Jr., Marsh, R.J., Pfaller, M.A., McGowan, J.E., Jr., Scully, B.E., Reagan, D.R., Wenzel, R.P., and the Mupirocin Collaborative Study Group: Elimination of *Staphylococcus aureus* Nasal Carriage in Health Care Workers: Analysis of Six Clinical Trials with Calcium Mupirocin Ointment. Clin. Infect. Dis., 17:466-74, 1993.
15. Doebbeling, B.N., Li, N., and Wenzel, R.P.: An Outbreak of Hepatitis A Among Health Care Workers: Risk Factors for Transmission. Am. J. Publ. Health, 83:1679-1684, 1993.
16. Voss, A., Hollis, R.J., Pfaller, M.A., Wenzel, R.P., and Doebbeling, B.N.: Investigation of the Sequence of Colonization and Candidemia in Nonneutropenic Patients. J. Clin. Microbiol., 32:975-980, 1994.
17. Martin, M.A., Doebbeling, B.N., Li, N., Gorelick, K.J., and Wenzel, R.P.: Prediction of Death in Patients with Suspected Gram-Negative Bacterial Sepsis: A Prospective Study Comparing Two Multi-variable Models. Clin. Perf. Qual. Healthcare, 2:119-127, 1994.
18. Doebbeling, B.N., Reagan, D.R., Pfaller, M.A., Houston, A.K., Hollis, R.J., and Wenzel, R.P.: Long-term Efficacy of Intranasal Mupirocin: A Prospective Cohort Study of *Staphylococcus aureus* Carriage. Arch. Intern. Med., 154:1505-1508, 1994.
19. Diekema, D.J., Ferguson, K.J., and Doebbeling, B.N.: Motivation for Hepatitis B Vaccine Acceptance among Medical and Physician Assistant Students. J. Gen. Intern. Med., 10:1-6. 1995.
20. Voss, A., Pfaller, M.A., Hollis, R.J., Rhine-Chalbert, J., and Doebbeling, B.N.: Investigation of *Candida albicans* Transmission in a Surgical Intensive Care Unit Cluster Using Genomic DNA Typing Methods. J. Clin. Microbiol., 33:576-580, 1995.
21. Hollis, R.J., Barr, J.L., Doebbeling, B.N., Pfaller, M.A., and Wenzel, R.P.: Familial Carriage of Methicillin-Resistant *Staphylococcus aureus* and Subsequent Infection in a Premature Neonate. Clin. Infect. Dis., 21:328-332, 1995.
22. Diekema, D.J., Schuldt, S.S., Albanese, M.A., and Doebbeling, B.N.: Universal Precautions Training of Preclinical Students: Impact on Knowledge, Attitudes and Compliance. Prev. Med., 24:580-585, 1995.
23. Doebbeling, B.N., Ferguson, K.J., and Kohout, F.J.: Predictors of Hepatitis B Vaccine Acceptance in Health Care Workers. Med. Care, 34:58-72, 1996.
24. Diekema, D.J., Albanese, M.A., Schuldt, S.S., and Doebbeling, B.N.: Blood and Body Fluid Exposures During Clinical Training: Relationship to Universal Precautions Knowledge. J. Gen. Intern. Med., 11:109-111, 1996.
25. Diekema, D.J., Albanese, M.A., Densen, P., and Doebbeling, B.N.: Student Health Policies of United States Medical Schools. Acad. Med., 71:1090-1092, 1996.
26. McCoy, K.D., Beekmann, S.E., Ferguson, K.J., Vaughn, T.E., Torner, J.C., Woolson, R.F., and Doebbeling, B.N. Monitoring Adherence to Standard Precautions. Am. J. Infect. Control 29:24-31, 2001.
27. Beekmann, S.E., Vaughn, T.E., McCoy, K.D., Ferguson, K.J., Torner, J.C., Woolson, R.F., and Doebbeling, B.N. Hospital Bloodborne Pathogens Programs: Program Characteristics and Blood and Body Fluid Exposure Rates. Infect. Control Hosp. Epidemiol.22:73-82, 2001.
28. Doebbeling, B.N., Vaughn, T.E., McCoy, K.D., Beekmann, S.E., Woolson, R.F., Ferguson, K.J., and Torner, J.C. Percutaneous injury, blood exposure and standard precautions adherence: Are hospital-based workers at risk? Clin. Infect. Dis. 37, 1006-13, 2003.
29. Ernst, E.J., Diekema, D., BootsMiller, B., Vaughn, T.E., Yankey, J., Flach, S., Ward, M., Franciscus, C.J., Acosta, E., Pfaller, M., and Doebbeling, B. Are U.S. Hospitals Following National Guidelines for the Analysis and Presentation of Cumulative Antimicrobial Susceptibility Data? Diagn. Microbiol. Infect Dis. 49:141-145, 2004.
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31. Ferguson, K.J., Waitzkin, H., Beekmann, S.E., and Doebbeling, B.N. Critical Incidents of Nonadherence with Standard Precautions Guidelines Among Community Hospital-based Health Care Workers. J. Gen. Intern. Med. 19(7):726-731, 2004.
32. Diekema, D.J., BootsMiller, B.B., Vaughn, T.E., Woolson, R.F., Ernst, E.J., Flach, S.D., Ward, M.M., Franciscus, C.J., Pfaller, M.A., and Doebbeling, B.N. Antimicrobial Resistance Trends and Outbreak Frequency in United States Hospitals. Clin. Infect. Dis. 38:78-85, 2004.
33. Flanagan, M.E., Ramanujam, R., Sutherland, J.M., Vaughn, T.E., Diekema, D.J., and Doebbeling, B.N. Development and Validation of Measures to Assess Prevention and Control of Antimicrobial Resistance in Hospitals. Med Care 45 (6):537-544, 2007.

 Health Services Research

1. Doebbeling, B.N., Edmond, M.B., Davis, C.S., Woodin, J.R., and Zeitler, R.R.: Influenza Vaccination of Health Care Workers: Evaluation of Factors that are Important in Acceptance. Prev. Med., 26:68-77, 1997.
2. Ely, J.W., Goerdt, C. J., Bergus, G. R., West, C.P., Dawson, J.D., Singh, R.F., and Doebbeling, B.N.: The Effect of Physician Characteristics on Compliance with Adult Preventive Care Guidelines. Fam. Med. 30:34-39, 1998.
3. Saag, K.G., Doebbeling, B.N., Rohrer, J.E., Kolluri, S., Mitchell, T.A., and Wallace, R.B.: Arthritis Health Service Utilization Among the Elderly: The Role of Urban-Rural Residence and Other Utilization Factors. Arthr. Care & Research 11:177-185, 1998.
4. Saag, K.G., Doebbeling, B.N., Rohrer, J.E., Kolluri, S., Petersen, R., Hermann, M.E., and Wallace, R.B.: Variation in Tertiary Prevention and Health Service Utilization Among the Elderly: The Role of Urban-Rural Residence and Supplemental Insurance. Med. Care 36:965-976, 1998.
5. Carney, C.P., Yates, W.R., Goerdt, C.J., and Doebbeling, B.N.: Psychiatrists’ and Internists’ Knowledge and Attitudes About Delivery of Clinical Preventive Medical Services. Psychiatr. Serv. 49:1594-1600, 1998.
6. Ely, J.W., Dawson, J.D., Young, P.R., Doebbeling, B.N., Goerdt, C.J., and Elder, N.C.: Malpractice Claims Against Family Physicians: Are the Best Doctors Sued More? J. Fam. Pract. 48:23-30, 1999.
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 αRecipient of the Midwest Nursing Research Society (MNRS) Health Systems Policy Dissertation Award for 2010, April 9, 2010.

\*Recipient of U.I. College of Medicine Student Research Fellowship

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65. Russ, A.L., Saleem, J.J., Justice, C.F., Hagg, H., Woodbridge, P.A., and Doebbeling, B.N.  Health Information Technology:  Characteristics that Support VA Clinical Workflow. Academy Health 26th Annual Research Meeting (Poster), Chicago, IL, June 28-30, 2009.
66. Saleem, J.J., Russ, A.L., Justice, C.F., Hagg, H., Woodbridge, P.A., and Doebbeling, B.N. Paper-based Workarounds to the VA’s Electronic Health Record: Implications for Optimal Healthcare Delivery.  VA Health Services Research and Development Service (HSR&D) National Meeting (Poster).Baltimore, MD, 2009.
67. Wu, S., Lehto, M., Yih, Y., Saleem, J., and Doebbeling, B. On Improving Provider Decision Making with Enhanced Computerized Clinical Reminders. In V.G. Duffy (Ed.): Digital Human Modeling, 13th International Conference on Human-Computer Interaction, Lecture Notes in Computer Science LNCS 5620, pp. 569–577, Springer-Verlag, 2009.
68. Wu, S., Lehto, M., Yih, Y., Saleem, J. J., & Doebbeling, B.N. (2009). Impact of Computerized Clinical Reminder Design on Clinical Decision Making. (Abstract). The 2009 Industrial Engineering Research Conference (IERC).
69. Wu, S., Lehto, M., Yih, Y., Saleem, J. J., & Doebbeling, B.N. (2009). Information Flow Heuristics for the Design of Computerized Clinical Reminders. (Abstract). The 2009 Industrial Engineering Research Conference (IERC).
70. Chou, A.F., McCoy, K.M., & Doebbeling, B.N. Surveying Organizational Characteristics in the Implementation of Infection Control in US Hospitals 137th APHA Annual Meeting and Exposition, November, 2009.
71. Zillich, A.J., Jaynes, H.A., Schmelz, A.N. Gonzalvo, J.D., Doebbeling, B.N., Hudmon, K.S. Frankel, R.M. A qualitative study of communication between physicians and pharmacists: Implications for patient safety. Society of General Internal Medicine Annual National Meeting, (Poster) May, 2010.
72. Mohammed-Rajput, N., Doebbeling, B.N., and Yano, E. The Impact of Organizational and IT Factors on Clinical Decision Support Adoption. National Library of Medicine Medical Informatics Fellows Annual Conference (oral), Denver, CO, June 16, 2010.
73. DeLaurentis, PC., Turkcan, A., Wiebke, E., Lawley, M., and Doebbeling, B.N. Workflow Analysis for Real-time Surgical Suite Operational Logistics. AHRQ National Research Service Award (NRSA) Trainees Research Conference (oral), AcademyHealth Annual Meeting, Boston, MA, June 27-29, 2010.
74. Abrahamson, K., Fox, R., Doebbeling, B.N. Barriers and Facilitators to CPG Use Among Registered Nurses. AcademyHealth Annual Meeting (Poster), Boston, June 27-29, 2010.
75. Burton, M.M., De-Laurentis, P-C., Wiebke, E., Ekbia, H.R., Lawley, M., Doebbeling, B.N. Clinical Workflow: A Systems Lifecycle Approach. Mayo Clinic Conference on Systems Engineering and Operations Research in Health Care (poster), Rochester, MN, August 18-20, 2010.
76. Ekbia, H., Burton, M.M., De-Laurentis, P-C., Flanagan, M.E., Lawley, M., Wiebke, E., Doebbeling, B.N. A Cognitive Systems Engineering Approach for Improving Surgical Work- and Information Flow. Mayo Clinic Conference on Systems Engineering and Operations Research in Health Care (poster), Rochester, MN, August 18-20, 2010.
77. De-Laurentis, P-C., Burton, M.M., Wiebke, E., Canal, D. Doebbeling, B.N. Surgical Care as a Service System of Systems: Implications for Modeling and Redesign. Mayo Clinic Conference on Systems Engineering and Operations Research in Health Care (poster), Rochester, MN, August 18-20, 2010.
78. Zillich, A.J., Jaynes, H.A., Schmelz, A.N. Gonzalvo, J.D., Doebbeling, B.N., Hudmon, K.S. Frankel, R.M. How Physicians and Pharmacists Communicate: Implications for Patient Safety. 2010 American College of Clinical Pharmacy 31st Spring Practice and Research Forum, April, 2010.
79. Merchant, M., Rubin, M.A., Martinello, R.A., Goldstein, M.K., Foulis, P.R., Samore, M., Martins, S.B., Garvin, J.H., Friedlin, J., South, B., Gullans, S.K., Doebbeling, B.N. An Interdisciplinary Research & Development Collaborative for Enhancing MRSA Surveillance and Decision Support. AMIA Annu Symp Proc (poster), November, 2010.
80. Burton, M.M., Zafar, A., Lehto, M., Ekbia, H.R., Doebbeling, B.N. Understanding How We Care for Patients: Information Needs and Best Practices for Capturing Clinical Workflow. AMIA Annu Symp Proc (poster), November, 2010.
81. Martins, S.B., Tu, S.W., Yeh, G.S., Garvin, J.H., Martinello, R.A., Rubin, M.A., Foulis, P.R., Friedlin, J., Doebbeling, B.N., Goldstein, M.K., for the VA CHIR MRSA Project. Creating a MRSA Ontology to Support Natural Language Processing. AMIA Annu Symp Proc (poster), November 14, 2010.
82. Garvin, J.H., Martins, S.B., Rubin, M.A., Doebbeling, B.N. Tools to Facilitate Shared Understanding for Natural Language Processing Design in a Distributed, Virtual Development Environment. AMIA Annu Symp Proc (poster), November, 2010.
83. Haggstrom, D.A., Myers, L.J., Teal, E., Rosenman, M., Doebbeling, B.N. VA –INPC: Linking Department of Veterans Affairs (VA) and Indiana Network for Patient Care (INPC) data to assess screening among veterans with colorectal cancer. AMIA Annu Symp Proc (paper), November, 2010.
84. Zafar, A., Burton, M., Ekbia, H., Saleem, J. Doebbeling, B.N. Multidisciplinary Perspectives on Best Practices for Understanding and Evaluating Clinical Workflows. AMIA Annu Symp Proc (panel), November, 2010.
85. Arling, P., Fox, R. and Doebbeling, B.N.: Leveraging Social Network Analysis to Improve the Implementation of Evidence-Based Practices and Systems in Healthcare. Hawaii International Conference on System Sciences (HICSS) 44, 2011 Conference, January 4-7, (oral) University of Hawaii at Manoa.
86. Saleem, J.J., Haggstrom, D.A., Militello, L.G., Flanagan, M.E., Kiess, C.L., Arbuckle, C.L., Doebbeling BN. Impact of a Redesign for Colorectal Cancer Screening Computerized Decision Support, Veterans Affairs Health Services Research and Development Service 28th Annual National Meeting, Washington, D.C., (poster), February 16-18, 2011.
87. Doebbeling BN, Haggstrom, D.A., Militello, L.G., Flanagan, M.E., Arbuckle, C.L., Kiess, C.L., Saleem, J.J. Investigating Integration of Computerized Decision Support into Workflow at Three Benchmark Institutions, Veterans Affairs Health Services Research and Development Service 28th Annual National Meeting, Washington, D.C., (oral), February 16-18, 2011.
88. Wiebke, E., Burton, M.M., Ekbia, H.R., Lawley, M.A., Doebbeling B.N. Predictive Modeling of Surgical Demand: Integrating Patient Specific and Population Characteristics. 4th Annual Conference on Systems Engineering and Operations Research in Health Care, Rochester, MN, (Poster), August 10-12, 2011.
89. Burton, M.M., Wiebke, E., Ekbia, H.R., Lehto, M., Doebbeling B.N. Capturing the “True Nature” of Clinical Work: A Methodological Framework. 4th Annual Conference on Systems Engineering and Operations Research in Health Care, Rochester, MN, (Poster), August 10-12, 2011.
90. Burton, M.M., Wiebke, E., Ekbia, H.R., Lehto, M., Doebbeling B.N. Clinical Work Composition: Systematic Description of Clinical Activity and Task Structure. 4th Annual Conference on Systems Engineering and Operations Research in Health Care, Rochester, MN, (Poster), August 10-12, 2011.
91. Burton, M.M., Ekbia, H.R., Wiebke, E., Lawley, M., Doebbeling B.N. Surgery Continuum of Care: Information Needs Throughout the Perioperative System. 4th Annual Conference on Systems Engineering and Operations Research in Health Care, Rochester, MN, (Poster), August 10-12, 2011.
92. Burton, M.M., DeLaurentis, P.C., Ekbia, H.R., Wiebke, E., Lawley, M.A., Canal, D., Doebbeling B.N. Perioperative Transitions in Care: Integrating Patient Flow, Information Flow, and Clinical Workflow. Proceedings of the AMIA Annual Meeting, Washington, D.C., (Poster), October 22-26, 2011.
93. Rubin, M., Garvin, J.H., Doebbeling, B.N., Merchant, M.A., Martinello, R.A., Mutalik, P., Goldstein, M., Luther, S., Samore, M., South, B., Gullans, S., and the VA CHIR MRSA Project Investigators. An Informatics Approach to VA MRSA Surveillance. Proceedings of the AMIA Annual Meeting Washington, D.C., (Poster), October 22-26, 2011.
94. Skibowski, A., Zillich, A., Doebbeling, B., Snyder, M. Risk for Medication Non-Adherence and other Drug Therapy Problems among Ambulatory Patients in a Safety-Net Health-System. American College of Clinical Pharmacy 2011 Annual Meeting (student poster).
95. Russ, A.L., Zillich, A.J., McManus, M., Doebbeling, B.N., Saleem, J.J. Nine Factors that Influence Prescribers’ Response to VA Medication Safety Checks at the Point-of-Care, Veterans Affairs Health Services Research and Development Service 29th Annual National Meeting, Washington, D.C., (poster), April, 2012.
96. Toscos, T., Doebbeling, B. Using mobile technology to promote access, effective patient–provider communication, and adherence in underserved populations, The 18th Annual National Research Services Award (NRSA) Conference, Orlando, FL (Poster presentation), June 2012.
97. Toscos, T., Doebbeling, B., DeChant, P. Promoting access to care, patient–provider communication, and adherence in underserved populations Workshop on Interactive Systems in Healthcare (WISH), co-located with the he American Medical Informatics Association (AMIA) Annual Symposium, Chicago, IL (Poster presentation), November 2012.
98. Doebbeling, B.N., Flanagan, M.E., Nall, G., Lindberg, C., Kho, A., Hoke, S., Li, X, Rosenman, M., Kimball, L. Webb, D. Regional Infection Prevention Collaborative to Reduce (MRSA) Infections. American Medical Informatics Association (AMIA)’s Annual Invitational Health Policy Conference. Washington, DC, December 12-13, 2012.
99. Doebbeling, B.N., Fosburgh, B.W., Asch, S., Plews-Ogan, M. Managing Change and Redesigning Systems: Strategies to Identify, Prioritize and Sustain Innovative Practice, Workshop, Society of General Internal Medicine, 36th Annual Meeting, Celebrating Generalism: Leading Innovation and Change, Denver, CO, 3-4:30 PM, April 26, 2013.
100. Chen, S, Zillich, A.J., Melton, B., Saleem, J.J., Johnson, E., Spina, J., Weiner, M., Russell, S.A., McManus, S., Kobylinski, A., Doebbeling, B.N., Hawsey, J., Puleo, A, Russ, A.L. Impact of Redesigned Computerized Drug-Drug Interaction Alerts on Medication Prescribing Errors and Efficiency. ISPOR (International Society for Pharmacoeconomics and Outcomes Research), 18th Annual International Meeting, New Orleans, LA, May 18-22, 2013.
101. Turkcan, A., Adams, S., Myers, L. & Doebbeling, B.N. Resource Planning for Mental Health Services. INFORMS (Institute of Operations Research and Management Science) Healthcare 2013, Chicago, June 23-26, 2013.
102. Toscos, T., Turkcan, A., Dogar, E., & Doebbeling, B.N. Redesigning Healthcare Systems for Improved Access to Care for Underserved Patients. 19th Annual National Research Services Award (NRSA) Conference, Baltimore, MD, June, 2013.
103. Martins, S.B., Tu, S.W., Martinello, R.A., Rubin, M.A., Foulis, P.R., Luther, S.L., Forbush, T.B., Scotch, M., Doebbeling, B.N., Goldstein, M.K., and the VA CHIR MRSA Project Investigators. Creating a MRSA Ontology to Support Categorization of MRSA Infections. Proceedings of the AMIA Annual Meeting Washington, D.C., (Poster), November 18, 2013.
104. Saleem, J.J., Frankel, R. M., Doebbeling, B. N., & Patterson, E. S. (2014). Patterns in patient safety with computerized consult management and clinical documentation. In Proceedings of the 2014 International Symposium on Human Factors and Ergonomics in Health Care, 3(1), 134-141.
105. Turkcan, A., Toscos, T., Doebbeling, B. Redesigning Healthcare Systems for Improved Access to Primary Care. ISERC – Healthcare Modeling Conference, Institute of Industrial Engineers (IIE) Annual Conference, Montreal, Canada, June, 2014.
106. Wright, M.D., Toscos, T., Turkcan, A., Doebbeling, B.N. Analysis of Patient Portal Use in Underserved Populations and Settings. Proceedings of the AMIA Annual Meeting, Washington, D.C., (Poster), November, 2014.
107. Militello, L.G., Border, M.R., Sushereba, C.E., Di Iulio, J., Doebbeling, B.N., Imperiale, T., Saleem, J.J. Employing Decision-Centered Design to Develop Decision Support for Colorectal Cancer Screening. The Human Factors and Ergonomics Society Annual Meeting (2015).
108. Mohammadi, I., Turkcan, A., Toscos, T., Miller, A., Kunjun, K., Doebbeling, B.N. Assessing and Simulating Scheduling Processes in Community Health Centers. Proceedings of the AMIA Annual Meeting, Washington, D.C., (Poster), November, 2015.
109. Doroudi, R., Mohammadi, I., Turkcan, A., Toscos, T., Wu, H., Doebbeling, B.  Agent-based Simulation to Test Optimal Scheduling Scenarios and Improve Access to Care for Underserved Populations. Paper presented at 2016 Institute of Industrial Engineers (IIE) Annual Conference, Anaheim, CA, 21-24 May, 2016.
110. Mohammadi, I., Turkcan, A., Toscos, T., Miller, A., Wu, H., Doebbeling, B.N. Predictive Modeling for Appointment No-show in Community Health Centers. Proceedings of the AMIA Annual Meeting, Washington, D.C., (Poster), November, 2015.
111. Wright, M., Flanagan, M.E., Kunjan, K., Doebbeling, B.N., Toscos, T. Missing links: Challenges in engaging the underserved with health information and communication technology. In Proceedings of PervasiveHealth 2016, Cancun, Mexico, 2016.
112. Tunnell, H.D., Faiola, A., Doebbeling, B.N. Design Guidelines for Secondary User Experiences: Supporting Patient-Provider Interaction. Proceedings of the AMIA Annual Meeting, Washington, D.C., (Paper), November, 2016.
113. Upjohn, A., O’Donnell, J., Deeyor, N., Madura, J., Doebbeling, B.N. Optimal Resourcing and Patient Scheduling for the Multidisciplinary Bariatric Surgery Program. Capstone Poster Symposium, School for Science of Health Care Delivery, ASU, May 3, 2016.
114. Doebbeling BN, Burton M, Kaufman D,Poterack K, McCullough M, Grando A; Helmers, R.A. Integrated Workflow Capture in an EHR Conversion: Standardizing on Best Practice Methods. AMIA 2016 Annu Symp.
115. Toscos, T., Olson, A.O., Kunjan, K., Mohammadi, I., Wright, M., Turkcan, A., Wu, H., Doebbeling, B.N. Access is Meaningful (AIM): Working with Community Health Centers to Improve Access to Care, 9th Annual Conference on the Science of Dissemination and Implementation, AcademyHealth, December 12, 2016.
116. Siebenek, E., Friedland, J., Niak, A., Jimenez, G., Glenn, S., Murphy, M., Andrews, P., Doebbeling, B. Allocation of Operating Room Capacity. Capstone Poster Symposium, School for Science of Health Care Delivery, ASU, May 8, 2017.
117. BN Doebbeling, H Wu, T Toscos, K Kunjan, PhD. Improving Access to Care and Efficiency: Patient-Centered Methods and Strategies. iHealth AMIA Clinical Informatics Conference, Philadelphia, PA, May 2-4, 2017.
118. B Duncan, AJ Solomon, BN Doebbeling, SK Furniss, MA Grando, KA Poterack, TA Miksch, RA Helmers, DR Kaufman. A Comparative In-Situ Study of Two Medication Reconciliation Interfaces in Pre-Operative Nurse Assessments. AMIA WISH 2017 on November 4 – 8, 2017.
119. B Duncan, Lu Zheng, BN Doebbeling, AJ Solomon, SK Furniss, MA Grando, MM Burton,  KA Poterack, T Miksch, RA Helmers, DA Kaufman. Categorization of EHR Design Problems Using Usability Heuristics. AMIA 2018 Clinical Informatics Conference, Scottsdale, AZ May 8-10, 2018.
120. Zheng, L, Duncan, B, Doebbeling, BN, Solomon, AJ, Furniss, SK, Grando, A, Burton, MM, Poterack, K, Miksch, T, Helmers, R, Kaufman, DR, “Pre‐operative Nursing Workflow and Problem Solving”, 2018 AMIA Clinical Informatics Conference, Scottsdale, AZ May 8-10, 2018.
121. Solomon AJ, Kaufman D, Furniss S, Grando A, Poterack K, Helmers, R., Doebbeling BN. “Characterizing Workflow in EDs of a Health System Prior to EHR Conversion”, 2018 Academy Health Annual Meeting, June, 2018.
122. Duncan, B., Zheng, l., Doebbeling, B., Solomon, A.J., Furniss, S.K.; Grando, A., Burton, M.M., Poterack, K.A., Miksch, M., Helmers, R.A., Kaufman, D.K. Reconciling Differences in Preoperative Medication Management across Clinical Sites. Human Factors Ergonomics Society (HFES) Annual Meeting, 2018.
123. Doebbeling, B.N., Lyles, A., Reifsnider, E., Bailey, D.,Caputo, G., Lamb, G, Bernatavicius, W. Challenges to Care Coordination for Children with Special Health Care Needs: Potential Solutions. AMIA 2018 Clinical Informatics Conference, Scottsdale, AZ May 8-10, 2018.
124. Underiner, T., Myung, J.S., Fox, C., Langer, S., Coon, D., Reifsnider, E., Doebbeling, B.N. Challenges for Research and Practice Combining Arts, Humanities, Design and Health: A Preliminary “View from the Bridge” of Creative Health Collaborations at ASU. Annual Conference of the National Organization for Arts in Health (NOAH) in Partnership with the Healthcare Facilities Symposium and Expo (HFSE): Reimagining the Future of Arts and Health (Panel), Austin, Texas, October 8-10, 2018.
125. Reifsnider, E.L., Lyles, A., Lamb, G., Doebbeling, B.N., Caputo, G., Bernatavicius, W., Levandowsky, K. Improving Care Coordination for Children with Medical Complexity through Stakeholder Involvement. APHA's 2018 Annual Meeting & Expo, Nov. 10 – 14, 2018.
126. Solomon, A.J., Dinner, B.A., Greenes, R.A., Kaufman, D.R., Doebbeling, B.N., Ozair, Y.R., Naveed, S., Falls, T., Lee, T., Hodge, K. The Health IT Innovation Collaborative: Supporting Cognitive Processes within Clinical Chart Review and Note Creation. AMIA Annual Meeting, Washington, D.C., November, 2018.
127. \*Kassis, A.N., Duncan, B.J., Zheng, L., Kaufman, D.R., Furniss SK, Grando A, Poterack K, Helmers R,, \*Doebbeling BN. Patient Order Management Efficiency: A Pre-Post Comparative Study of EHR Interfaces. AMIA Symposium, Washington, D.C., November, 2019, JAMIA. \*Student Poster and Primary Advisor/author.
128. *Yadav, S., Duncun, B.J., Zheng, L., Wong, M, Sulit, C., David, R., Robinson, L., Kaing, T., Gibbs, S.,* Doebbeling, B.N. Identifying Opportunities for EHR and EHR-Related Work Redesign with Affinity Diagramming. Biomedical Informatics Annual Conference (Virtual), Phoenix, AZ April 22, 2020 *\**Note: Online Poster Session and Primary Advisor/author. Students and staff in italics.
129. *Zheng, L., Duncun, B.J.,* Kaufman, D.R., Doebbeling, B.N. How Does the EHR Conversion Impact on PreOp Nursing Workflow? Biomedical Informatics Annual Conference (Virtual), Phoenix, AZ April 22, 2020 *\**Note: Online Poster Session and Primary Advisor/author. Students and staff in italics.
130. *Zheng, L., Duncan, B.J.,* Kaufman, D.R., Furniss, S.K., Grando, A., *Poterack, K.A., Helmer, R.A.,* Doebbeling BN. EHR Conversion on the PreOp Care: A Pre-Post Workflow Comparison. AMIA Symposium, Washington, D.C., (Oral Presentation), November, 2020, JAMIA.
131. *Duncan, B.J., Kassis, A.N.,* Kaufman, D.R., Grando, A., *Poterack, K.A., Helmers, R.A., Miksch, T., Zheng, L.,* Doebbeling BN. We’re Lost, But We are Making Good Time: Navigating Complex Pathways in a Patient-Order Management Task. AMIA Symposium, Washington, D.C., (Oral Presentation), November, 2020, JAMIA.
132. Doebbeling BN, \**Cheng, E.,* Carhartt, W., Singh, D. Opiod Prescribing: Culture and Organizational Factors Associated with Effective Low Prescribing. 2020 Beyond Flexner, Transforming Health Professions Education: Social Mission, Equity and Community, Phoenix, AZ Rescheduled due to COVID-19, April 26-28, 2021. Poster. \*Student and Primary Advisor/author.Students and staff in italics
133. Doebbeling BN, \* *Brennan, B.*, for the AZ Alliance for Improving Care Coordination for Children with Complex Illness. Family Centered Perspectives to improving care coordination for children with special health needs. 2020 Beyond Flexner, Transforming Health Professions Education: Social Mission, Equity and Community, Phoenix, AZ Rescheduled due to COVID-19, April 27, 2021. \*Session 6.05, Oral Presentation and Primary Advisor/author.Students and staff in italics
134. Doebbeling, B.N., \**Sivanandam, S., Nguyen, C., Ocal, J*. Meeting the Needs of Arizona’s High Cost High Need patients: Identifying Important Population Health Factors. 2020 Beyond Flexner Conference, Transforming Health Professions Education: Social Mission, Equity and Community, Phoenix, AZ Rescheduled due to COVID-19, April 26, 2021. *\**Note: Session 4.04.B. Oral Presentation and Primary Advisor, Coauthor. Students and staff in italics
135. Peckham, A., Maxfield, M., Pituch , K., Guest,, M.A., Sivanandam, S., Doebbeling., B.N. Aging through the time of COVID-19: Healthcare Access. Gerontological Society of America GSA 2021 Annual Scientific Meeting, November 10-14, Phoenix, AZ (In press, 2021).
136. Mejía, G. M., Der Ananian, C. & Doebbeling, B. Experience Design Studio for Social Connection of Older Adults. Gerontological Society of America GSA 2021 Annual Scientific Meeting, Phoenix AZ. (In press, 2021).
137. Kratche, R., Coon, D., R., Doebbeling, B., Hook, J., Karamehmedovic, N., Kildoo, K., Lamb, G., Ridge, A., Will, K. Designing the Interprofessional CLE of the future: lessons from two clinic start-ups, Nexus Summit on Interprofessional Care and Education, (Seminar). September 14, 2021.
138. Will, K., Doebbeling, B., Kratche, R., Lamb, G., Kildoo, K., Karamehmedovic, N., Ridge, A., Coon, D., Hook, J. Optimizing the EHR to Promote Team-Based Primary Care, Nexus Summit on Interprofessional Care and Education, (Lightning Talk). September 27, 2021.
139. Lamb, G., Coon, D., R., Doebbeling, B., Hook, J., Karamehmedovic, N., Kildoo, K., Kratche, R., Ridge, A., Will, K. Strategies for developing sustainable academic-clinical partnerships, Nexus Summit on Interprofessional Care and Education, (Seminar). September 27, 2021.
140. Hook, J., Coon, D., Doebbeling, B., Karamehmedovic, N., Kildoo, K., Kratche, R., Lamb, G., Ridge, A., Will, K. Data Strategies to Target Community Needs for Interprofessional Education (IPE), Nexus Summit on Interprofessional Care and Education, (Seminar). October 7, 2021.

†† Recipient of the Best Clinical Abstract Submitted by Junior Faculty or Staff Award, Internal Medicine Research Day, February 20, 2003.

 † Recipient of the Women in Science and Engineering (WISE)/University of Iowa Staff Council Award, University of Iowa Carver College of Medicine, College of Public Health, and VA Research Week, April 2003.

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| Papers Submitted or in Preparation:  |  |  |

1. Peckham, A., Maxfield, M., Pituch, K., Guest, M.A., Doebbeling, B.N. Aging Through the Time of COVID -19: Health Care Access for Older Adults Living with Chronic Conditions. Medical Care (In review, 2021).
2. Martin, M., Suri, Y., Doebbeling, B.N., Andrew, R., Kathol, R. Value-Based Integrated Case Management at the Payor Level: Implementation and Impact. Psychotherapy and Psychosomatics (In review, 2021).
3. Austin, K., Will, K., Doebbeling, B.N. Using Systems Thinking and Interdisciplinary Teamwork to Re-Imagine the US Health Care System in the Era of COVID-19. (In revision, 2021).
4. Langer, S., Myung, J., Reifsnider, E., Coon, D., Underiner, T., Doebbeling, B.N. An Umbrella Review of Arts-based Interventions for Health and Wellbeing. (In preparation, 2021).
5. Saw, J, Duncan, B.J., Kaing, T., Wong, M., Yadav, S., Sulit, C., Doebbeling BN. Electronic Health Record Post-Implementation Redesign Opportunities to Improve Transitions While Improving Practice. (In preparation, 2021).
6. Doebbeling, B.N., Militello, L.G., Flanagan, M., Saleem, J.J. Integration of Computerized Decision Support into Clinical Workflow: Investigating Social, Technical and Contextual Factors, (In preparation, 2021).
7. Doebbeling, B.N., et al. Understanding Electronic Health Record Mediated Workflow Challenges and Opportunities. To be submitted to Journal of the American Medical Informatics Association (JAMIA) (In preparation, 2021).

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1. **B. Areas of Research Interest**

Development and implementation of informatics technology

Clinical decision support and planning technology

Healthcare systems delivery modeling and redesign

Health care context, process and organizational change

Improving quality of care, patient safety and health outcomes

Health care delivery, implementation science and informatics research methodology

Access to care

**C. Grants Received**

 Federal:

 Principal Investigator Awards:

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| Title | Period | Amount |
| NIEHS Environmental Health Sciences Research Center, Pilot Grant: “Evaluation of Health Care Worker Compliance with Hepatitis B Vaccination.” | 3/1/92-10/1/92 | $7,000 |
| NIOSH Special Emphasis Research Career Award: “Health Care Worker Compliance with Hepatitis B Vaccine.” #5 K01 OH00131 | 4/1/93-3/31/96 | $158,144 |
| CDC U.I. Injury Prevention Research Center Pilot Grant: “Recurrent Percutaneous Injuries in Health Care Workers.”  | 3/1/94 -1/31/95 | $5,000 |
| CDC Cooperative Agreement: "Health Assessment of Persian Gulf War Veterans." (D.A. Schwartz), Role: Co-P.I. (35% Effort Years 1&2, 20% Year 3) #U50/CCU711513 | 12/1/94-11/30/98  | $2,870,550 |
| CDC/NIOSH Grant: “Implementation of Strategies for the Prevention of Occupational Transmission of Blood-borne Pathogens.” (25% effort years 1-3, 10% Effort years 4 & 5) #U60-CCU712173 | 9/30/95-3/29/00 | $606,924 |
| NCI SEER Special Studies Grant: “Breast Cancer Screening and Treatment Patterns: A Pilot Study.” (5% Effort) #NO1-PC-67008 | 9/30/96-4/30/98 | $55,000 |
| DoD Grant: “Illness Among Persian Gulf War Veterans: Case Validation Studies.” (25% Effort) #DAMD17-97-1-7355 | 9/25/97-10/24/05 | $1,506,812 |
| CDC: “National Surveillance System for Hospital Healthcare Workers.” (NASH) (5% Effort) | 12/1/97 11/30/99 | $50,000 |
| VA HSR&D QUERI Grant: “Determinants of Clinical Guideline Implementation Effectiveness.” (15% effort) #CPI99-126 | 07/1/99 –06/30/01 | $423,000 |
| NIH SEER Special Studies, “Comparison of Two Linked Databases to Study Variation in Treatment Patterns of Breast Cancer”, (David Wyant) Role: Co-PI (5% effort) N01-PC-67008  | 7/1/99-6/30/01 | $63,313 |
| VA Merit Epidemiology Grant: “Epidemiology and Control of Antimicrobial Resistance in Hospitals.” (20% effort) | 10/01/99 –09/30/06 | $758,000 |
| NIH K30 Clinical Research Curriculum Award, “Graduate Training Program in Clinical Research” (25% effort), 1 K30 HL04117-01A1 | 09/30/00–09/29/05 | $926,000 |
| VA HSR&D Research Enhancement Award Program (REAP), “Program for Interdisciplinary Research in Health Care Organizations”, (G.E. Rosenthal), Role: Co-PI (15% effort) | 6/1/01–5/30/06 | $1,334,097 |
| VA HSR&D QUERI Grant: “Determinants of Clinical Guideline Implementation Effectiveness” (15% effort) #CPI -01-141 | 10/1/01 –9/30/03 | $327,000 |
| DoD Grant: “Illness Among Persian Gulf War Veterans: U.S.-U.K. Collaborative Project” (5% Effort) #DAMD17-97-1-7355 | 9/25/01-10/24/06 | $271,601 |
| DoD Grant: “Validation Study of Gulf War Deployment Files” #DAMD16-02-P-0750 (P.J. Amoroso, PI) Role: Project Director | 9/26/02 –10/15/03 | $134,348 |
| Department of Veterans Affairs, Management Consultation Project: “Current Barriers and Facilitators to Use of Automated Clinical Reminders”, # QCI 03-204.  | 4/01/03- 9/30/03 | $10,000 |
| NIH K12 Grant: “Mentored Clinical Research Scholar Program Award” (10% effort)—Note transferred PI due to leaving UI. | 9/01/03-8/31/08 | $6,192,652 |
| Department of Veterans Affairs: “Information Management for Patient-Centered Treatment (IMPACT)”, # REA 01-098.  | 9/08/03- 4/30/06 | $1,343,900 |
| Department of Veterans Affairs: “Roudebush Medical Informatics Research Fellowship Program” | 9/08/03-1/31/04 | $92,366 |
| Department of Veterans Affairs: “Information Management for Patient-Centered Treatment (IMPACT)”, Infrastructure Grant # REA 03-278.  | 10/01/03- 9/30/04 | $49,937 |
| VA HSRD “Economic Effects of Clinical Practice Guidelines”, (J. Schneider, PI) Role: Co-PI (10% effort) | 01/01/04-12/30/06 | $733,150 |
| VA HSRD “Center of Excellence on Implementing Evidence-based Practices”, #HFP 04-148 (70% effort) | 07/01/04-6/30/09 | $3,597,000 |
| VA Associated Health Postdoctoral Fellowship in Health Services Research Role: Director  | 7/01/05-6/30/10 | $600,000 |
| VA HSRD “Center of Excellence on Implementing Evidence-based Practices”, #HFP 04-148 Supplement | 09/30/05-9/29/06 | $83,733 |
| Agency for Healthcare Research & Quality (AHRQ): “Indiana Accelerating Change and Transformation in Organizations and Networks (ACTION) Center” (PI) | 3/1/06 –2/28/11 | $0.2-4M(task orders) |
| VA Rapid Response Proposal, “Pre-Implementation Evaluation of an Electronic Handoff Template Tool” | 4/1/06 – 10/30/06 | $50,000 |
| VA Medical Informatics Training Grant, Director | 7/1/06 – 6/30/09 | $388,000 |
| VA Interprofessional Safety Fellowship Training Grant, Director | 7/1/06 – 6/30/09 | $388,000 |
| Regenstrief Foundation: “Collaboration in Healthcare Engineering & Health Services Research”  | 1/1/06 –12/31/07 | $525,000 |
| Agency for Healthcare Research & Quality (AHRQ): “Testing Techniques to Radically Reduce Antibiotic Resistant Bacteria” (Co-PI with Paul Dexter), (contract HHSA 2902006000131). | 10/1/06 –3/31/08 | $375,000 |
| Agency for Healthcare Research & Quality (AHRQ): Supplement to “Testing Techniques to Radically Reduce Antibiotic Resistant Bacteria” (Co-PI with Paul Dexter) | 10/1/06 –3/31/08 | $75,000 |
| Regenstrief Foundation, “Improving Healthcare Through the Application of Engineering Research and Best Practices”, Subcontract through Purdue University (30% effort) | 1/1/07 –12/31/08 | $44,693 |
| Regenstrief Foundation, “Developing a Hierarchical System-based Approach to Improving Cancer Care: Establishing an Indiana -Prototype for Next-Generation Colorectal Cancer Care (Co-PI with Joseph Pekny) | 7/1/07 – 6/30/08 | $1.35M |
| Agency for Healthcare Research & Quality (AHRQ): “Implementing and Improving the Integration of Decision Support into Outpatient Clinical Workflow” | 10/1/07 – 9/30/09 | $400,000 |
| DoD “Improving Cancer Care Delivery for Indiana Veterans: Health Services Research”, (PI) Project on “Warfighter Cancer Care Engineering”, (Overall PI Steve Williams) | 7/1/09 – 6/30/10 | $75,000 |
| Agency for Healthcare Research & Quality (AHRQ): “Institutional Training Grant (T32) in Health Services Research” (Co-PI, with Steve Downs) | 7/1/08 – 6/30/11 | ~$600K |
| Agency for Healthcare Research & Quality (AHRQ): “Hospital Acquired Infection (HAI) Assessment Program” (PI) | 7/1/08 – 6/30/10 | $400,000 |
| VA: Healthcare Informatics Research Consortium; CHIR-Ontology Development and Text Processing for MRSA Surveillance (CHIR-MRSA) (Project PI), Project # HIR 09-004 | 3/1/09-9/28/13 | $1.2M |
| Agency for Healthcare Research & Quality (AHRQ): “Spreading Techniques to Radically Reduce MRSA” (PI) | 9/30/08 –3/30/12 | $1.8M |
| VA HSR&D IIR: “Simulation Based Planning Model for Health Care Services” (PI), Grant # IAC 06-049. | 10/1/099/30/12 | $269,300 |
| Agency for Healthcare Research & Quality (AHRQ): “Nephrology Collaborative to Radically Reduce MRSA” (PI) | 9/30/08 –9/29/11 | $89,979 |
| NIH NIHBI STTR: “Optimizing Operating Room Efficiency” (PI), through Advanced Process Combinatorics, Inc., Grant # R41EB012425-01 | 8/1/10-7/30/11 | $143,462 |
| NIH CTSI Pilot Study: “Pilot Testing of Organizational Networks on Uptake of MRSA Bundle for Efficacy Intervention Project Expansion” | 9/1/10-8/30/11 | $23,152 |
| CDC SHEPheRD IDIQ (Indefinite Duration, Indefinite Quantity) Proposal: Domain 1 HAI Prevention Implementation (PI) | 1/1/12-12/31/17 | TBD |
| PCORI (PI): “Improving Healthcare Systems for Access to Care by Underserved Patients” | 10/1/13-12/30/16 | $2,200,000 |
| Mayo Clinic: “Registry of Operations and Tasks Workflow Project.” Role: Co-PI | 11/01/16 – 12/31/17 | $348,000 |
| Mayo Clinic: “Registry of Operations and Tasks Workflow Project.” Role: PI | 1/01/17 – 12/31/19 | $698,000 |
| Schmidt Foundation: Local Growth: A Cross-Sector Community-Centered Partnership to Develop Entrepreneurship and Improve Quality of Life in Maricopa County Role: PI  | 8/1/2018- 7/30/2019 | $48,965 |
| CIHRA: Social Isolation Among the Elderly: Preventing Adverse Health Impacts of Social Distancing and COVID-19 (PI) PG13276. | 5/17/2020- 8/8/2021 | $43,996 |
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| Submitted (Not Funded): |  Period: | Amount:  |
| PCORI: “Uncovering Innovative Strategies for Managing Primary Care and Population Health in the Era of COVID-19” Role: PI |  7/1/2020- 6/30/2020 | $2,499,322 |
| PCORI: “Impact of COVID-19 on Tribal Populations in Arizona: Evaluation of Alternatives to Eliminate Inequities in Access, Quality and Cost.” Role: Co-PI (Primary Author) | 7/1/2020- 6/30/2020 | $2,499,500 |
| Data.org: “Data Science for Tribal Community Resilience.” Role: PI (Primary Author) | 1/1/2021- 12/30/2022 | $2,000,000 |

 Collaborating Investigator Awards:

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| Title | Period | Amount |
| NLM Rural Telemedicine Grant. “Enhanced Communication for the Acute Care of Trauma in Rural Iowa.” (M. Kienzle, Project P.I.: J. Torner), Role: Co-Investigator (5% Effort, $11,834 direct salary support) | 4/1/94-12/31/97  | $456,726 |
| NLM Rural Telemedicine Grant, N01-NLM-96-105MVA, (M. Kienzle, Project P.I.: J. Torner) “Health Applications for the National Information Infrastructure: Acute Evaluation and Treatment of Vascular Ischemia,” Role: Co-Investigator (5% effort), $11,054 (salary) | 9/30/96-9/29/99  | $630,470  |
| VA HSR&D Service (Gary Rosenthal), “Outsourcing VA Inpatient Care: Impact on Utilization, Quality, and Policy”, Role: Co-Investigator (10% effort) | 3/1/00-2/27/03 | $600,000 |
| Health Resources and Services Administration (Cynda Johnson), “Improving the Research Infrastructure of Family Medicine and Internal Medicine”, Role: Co-Research Director (10% effort) | 09/01/00-08/31/03 | $574,000 |
| NCI (Gerry Rushton), “A GIS Based Workbench to Interpret Cancer Maps”, Role: Co-Investigator (15% effort year 1, 10% years 2-3) | 05/01/02-04/31/05 | $1,494,201 |
| VA HSR&D “Evaluation of Preventable Diabetes Hospitalizations in the VHA (IIR 02-079-1)” (Pogach, PI) Role: Co-Investigator (2.5% effort) | 11/01/03-10/30/06 | $750,000 |
| VA HSR&D “Human Factors and the Effectiveness of Computerized Clinical Reminders” (Patterson and Asch, PIs) Role: Co-Investigator (5% effort) | 7/01/03-6/30/06 | $490,000 |
| VA HSR&D “Research Synthesis for QUERI Implementation Research” (Brian Mittman, PI) Role: Co-Investigator (5% effort) | 7/01/04-6/30/07 | $700,000 |
| VA HSRD Stroke Quality Enhancement Research Initiative (Pam Duncan and Linda Williams, PIs) Role:Translation, Implementation and Evaluation Core Co-Director (5% effort) | 7/01/04-6/30/07 | $1,149,976$446,404 (Indy) |
| NIH K30 Clinical Investigator Training Enhancement Program (Kurt Kroenke, PI) Role: Associate Director (10% effort) | 7/01/05-6/30/10 | $1.5M |
| NIH R01 Promoting Colon Cancer Screening Among African Americans (Sue Rawl, PI) (Co-Inv., 10%) | 07/01/06-06/30/10 | $3,089,744 |
| DoD “Center for Traumatic Amputation Rehabilitation Research” (M. Sothmann, PI) (Co-Investigator, 15%) | 1/01/06-12/30/08 | $1.0M |
| Sisters of St. Francis Health Systems “Six Sigma Implementation in St. Francis Hospitals: An Examination of Implementation Effectiveness and Employee Outcomes” (H. Woodman, PI) (Co-Investigator, 5%) | 1/01/06-12/30/08 | $120,000 |
| NIH “Indiana Clinical and Translational Sciences Institute” (Shekhar, PI) (Co-Investigator, 15%) | 7/01/08-6/30/13 | $6.0M |
| VA HSRD Redesigning Medication Alerts to Support Prescriber Workflow (Alissa Russ, PI) Role:Co-Investigator (5% effort) | 1/01/10-5/30/11 | $100,000 |
| VA Assessing VHA patient and provider perceptions of Point of Care research (POCr) (Charlene Weir, PI) Role: Site PI, Co-Investigator (5% effort) | 10/01/11-9/30/12 | $425,000 |
| VA IIR: “Sensemaking in VHA Health Care Systems: A Focus on Readmissions” (J. Pugh, PI), Role: Site PI (5%) | 7/1/13-6/30/16 | $1,100,000 |
| RWJ Foundation Grant: “Action Research Center for a Culture of Health (ARCCOH): Financing and Service Delivery”, (W. Riley, PI), Medical College of Virginia, Role: Co-Investigator (15% effort) | 3/1/16-2/28/18 | $997,769 |
| PCORI: “Take Action for Arizona's Children Through Care Coordination” (E. Reifsnider, PI), Role: Co-I (5%) | 10/1/16-9/30/18 | $250,000 |
| Dignity Health: ASU: “Transforming the Primary Care Workforce: Phase 1” (Gerri Lamb, PI), Role: Co-I (15%) | 9/1/2020-2/30/22 | $500,000 |
| Pending: |  |  |
| CDC: “Integration of Managing Epilepsy” (Susan Herman, PI) | 10/1/2021 – 9/30/2026 | $161,675 |
| NIH: “Transforming Health Resilience by Introducing Video Education (THRIVE) for Vulnerable Communities” 1U01DE031687-01, Susan Pepin, PI, Role: Co-I (10%) | 1/1/2022 – 12/31/2025 | 5%M |
| Not Funded (starting 2021): |  |  |
| NIH: “Arizona Coalition for the Comprehensive Evaluation of Long-COVID (ACCEL)” (George Poste, PI), Role: Co-I (15%) | 7/1/2021-6/30/26 | $9.999M |

Collegiate/University Awards

Principal Investigator Awards:

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| Title | Period | Amount |
| College of Medicine Educational Development Grant: “Development and Validation of a Program to Teach Universal Precautions”  | 1/1/92-12/31/92  | $5,000 |
| College of Medicine Research Committee Award: “Determinants of Multiple Percutaneous Injuries in Health Care Workers.”  | 11/1/93-10/30/94  | $5,000 |
| University of Iowa Hospitals and Clinics (UIHC) Process Improvement Grant: “Outcomes of Computer-Generated Reminders to Immunize Adults According to National Guidelines.” | 7/1/96-6/30/99  | $12,102 |
| Indiana University Interdisciplinary Collaborative Research Grant: “Perioperative Systems Reengineering Program.” Role: Principal Investigator. | 3/15/01-2/14/02  | $72,500 |
| Arizona State University Institute for Social Science Research: “Understanding effective behavioral health integration (BHI) practices for chronic pain and opioid prescribing.” Role: Principal Investigator with Leah Randolph, MA (Co-PI). | 09/2017 | $7,000 |
| Mayo Clinic Summer Residency Fellowship Program. Role: Principal Investigator. | 7/1/2018-8/10/2018 | $47,653 |
| Arizona State University College of Health Solutions Jump Start Award: “Factors Influencing Care Integration and Coordination for High-Need Patients.” Role: Principal Investigator.  | 7/1/2018-6/30/2019 | $20,000 |
| Center for Innovation in Healthy and Resilient Aging (CIHRA): “Social Isolation Among the Elderly: Preventing Adverse Health Impacts of Social Distancing and COVID.” Role: Principal Investigator.  | 5/18/2020-5/17/2021 | $45,000 |
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| COVID-19 Grant, CHS, ASU: “Responding to COVID With Technology and Patient Reported Data for Rapid, Out of Office Triage and Real Time Clinical Decision Support.” Role: Co-PI with Rodger Kessler, PhD.  | 021 | $20,000 |

 | 6/1/2020-6/30/2021 | $20,000 |
| Not Funded: |  |  |
| COVID-19 Grant, CHS, ASU: “Innovative Strategies to Manage Those at High Risk for COVID-19 Due to Comorbidity and Social Determinants of Health.” Role | 6/1/2020-6/30/2021 | $20,000 |
| COVID-19 Grant, CHS, ASU: “Impact of COVID Control Measures on Social Isolation for Community Dwelling Groups at Elevated Risk.” Role: Principal Investigator | 6/1/2020-6/30/2021 | $20,000 |
| Pending: |  |  |

Other:

 Principal Investigator Awards:

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| Title | Period | Amount |
| Bristol-Myers Squibb Pharmaceuticals: "Geographic Variation in the Treatment and Outcome of Candidemia." Co-P.I. with R.P. Wenzel | 12/1/91-12/1/94 | $90,000 |
| Pfizer-Roerig Pharmaceuticals: "Multicenter Study of Fluconazole Versus Amphotericin in the Treatment of Candidemia in Non-Neutropenic Patients." Co-P.I. with R.P. Wenzel  | 3/17/92-4/1/93  | $18,000 |
| SmithKline-Beecham: "Source of Relapse After Eradicating S. aureus from Chronic Carriers." | 7/1/92- 3/1/94 | $28,000 |
| Pfizer-Roerig Pharmaceuticals: “Prospective, Multicenter Randomized Comparison of Fluconazole and Placebo in the Treatment of Funguria.” | 11/1/92-10/31/93  | $7,500 |
| CTSI Pilot Testing of Organizational Networks on Uptake of MRSA Bundle for Efficacy Intervention Project Expansion  |  9/30/11- 6/30/2012 |  $25,000 |
| CDC SHEPheRD IDIQ (Indefinite Duration, Indefinite Quantity) Proposal: Domain 1 HAI Prevention Implementation (PI) | 1/1/12-12/31/17 | TBD |

Collaborating Investigator Awards:

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| Title | Period | Amount |
| Robert Wood Johnson Foundation (Marcia Ward) “Effectiveness of Clinical Practice Guideline Implementation on Smoking Cessation.” Co-Investigator (20% effort, $60,547 salary support). | 7/1/98-6/30/00  | $342,852 |
| National Arthritis Foundation (Ken Saag) “Epidemiology of Elderly Onset Rheumatoid Arthritis.” Role – Co-Inv., Local PI (2% effort) #1-81218-00. | 7/1/97-6/30/00  | $240,000 |
| Doris Duke Clinical Research Fellowship Program (Allyn Mark), Role: Associate Director (5% effort) | 12/15/00-12/14/04 | 625,000 |
| RWJ Foundation (Pat Ebright) “Remote Electronic ICU Nurse Decision Making and Interventions Related to Rescuing and Care Coordination: Effect on ICU Patient Outcomes.” Co-Investigator (Contributed effort). | 7/1/06-6/30/09 | $450,000 |
| UT Southwestern Foundation (Pranavi Sreeramoju) “Trial of Positive Deviance to Reduce Hospitals Infections.” Co-Investigator (5%).  | 8/1/11-7/30/13 | $150,000 |
| Arizona State University College of Health Solutions Jump Start Award: “Value‐Based Integrated Case Management at the PREMERA Blue Cross Health Plan: Implementation Study**”**. Matt Martin, PhD, PI, Role: Co-Investigator.  | 1/1/2018-12/30/2019 | $10,050 |

**D. Invited Lectures & Panel Discussions**

Conference presentations:

1. "Decontaminating the Rubber Glove." Audio Tape, Medical Outlook on Infectious Disease and Oncology, 5(1), 1989.
2. "Nosocomial Infections: The Importance of Hands." Invited Lecture, Oregon Health Sciences University, Portland, OR, April 23, 1991.
3. "Diagnosis and Treatment of Pneumonia: State of the Art." Invited Lecture, Annual Meeting of the American College of General Practitioners/American Osteopathic Association, New Orleans, LA, November 5, 1991.
4. "Nosocomial Fungal Infections." Invited Lecture, Current Concepts in Fungal Infections, 1991 Symposium, The Jewish Hospitals, Cincinnati, OH, November 16, 1991.
5. "Impact of Intranasal Mupirocin on *S*. *aureus* Carriage." Invited Lecture, Advisory Workshop on Staphylococcal Infections, Boston, MA, September 11-12, 1993.
6. "Application of Epidemiologic Techniques to Improve Quality of Care". Opening Lecture, The 2nd National Symposium on Control of Hospital Infection, Buraidah, Quassim, Kingdom of Saudi Arabia, November 29, 1993.
7. "Nosocomial Bloodstream Infections." Invited Lecture, The 2nd National Symposium on Control of Hospital Infection, Buraidah, Quassim, Kingdom of Saudi Arabia, November 30, 1993.
8. "Hand Washing and Prevention of Infections." Invited Lecture, The 2nd National Symposium on Control of Hospital Infection, Buraidah, Quassim, Kingdom of Saudi Arabia, December 1, 1993.
9. "Nasal Colonization and Nosocomial Infections." Invited Lecture and Workshops, Conference on Nosocomial Colonization and Its Impact on Hospital-Acquired Infections, National Foundation for Infectious Diseases (NFID), Clearwater, FL, January 15, 1994.
10. "Statistical Packages." Invited Lecture and Workshop, Workshop on "Computers in Infection Control," 4th Annual Meeting of the Society for Hospital Epidemiology of America, New Orleans, LA, March 16, 1994.
11. "Risk Factors for Colonization and Infection with *S. aureus*." Invited Lecture: Advisory Workshop on Staphylococcal Infections, Aylesbury, England, September 3, 1994.
12. “Protecting the Health Care Worker from Blood-borne Infections.” Invited Lecture, Department of Internal Medicine, The Mayo Clinic, Rochester, MN, January 9, 1996.
13. “Methodological Issuesin Studies of the Epidemiology of Illness among Persian Gulf Veterans.” The 2nd Annual Meeting of Federal Investigators in Gulf War Illness, Fredrick, MD, January 30, 1997.
14. “Study Results Briefing, Iowa Persian Gulf Study.” VA Expert Scientific Panel, Washington, DC, February 3, 1997.
15. “Preventing Occupational Infectious Diseases among Health Care Workers.” Special Lecture, Department of Internal Medicine, University of Utah School of Medicine and Health Sciences Center, Salt Lake City, UT, April 23, 1997.
16. “Transmission via Environmental Surfaces and Personal Contact.” Invited Lecture and Paper, Joint Medical/Engineering Approaches for Controlling Nosocomial Infection Workshop, National Research Council, Washington, DC, (Presentation deferred due to funding).
17. “Viral Vaccines for the Health Care Worker”, Colloquium on Viral Infections in Health Care Settings, American Society for Microbiology Meeting, Atlanta, GA, May 19, 1998.
18. “An Intervention Program in Community Hospitals to Protect Health Care Workers from Bloodborne Pathogens Exposure”. Annual APA/NIOSH Meeting Stress, Work and Health, Baltimore, MD, March 11, 1999.
19. “Institutional Organizational and Program Characteristics of Effective Bloodborne Pathogens Programs in Community Hospitals”, 99th General Meeting, Chicago, IL, May 30, 1999.
20. “The Iowa Persian Gulf Study: An Update,” Invited Presentation, Institute of Medicine/National Academy of Sciences, Committee on the Health Effects Associated with Exposures Experienced During the Gulf War, Georgetown, June 14, 1999.
21. “Case Definition Panel Discussion” Scientific Discussant, 4th Annual Meeting of Federal Investigators on Gulf War Illness, Washington, DC, June 23, 1999.
22. “Veterans’ Forum: A Roundtable Discussion,” Scientific Discussant, 4th Annual Meeting of Federal Investigators on Gulf War Illness, Washington, DC, June 24, 1999.
23. “Occupational Percutaneous Injuries in Health Care Workers: Current Rates and Use of Protected Devices”, Invited Presentation, Iowa Hospitals and Health Systems Legislative Review Committee, Des Moines, Iowa, July 19, 1999.
24. “Illness Among Persian Gulf War Veterans”, Invited Presentation, Iowa County Commission on Veterans’ Affairs, Des Moines, Iowa, October 13, 1999.
25. “Dissemination Workshop: Gulf War Veterans: Measuring Health and National Center for Military Deployment Health Research”, Invited Panel Member, Institute of Medicine, National Academy of Sciences, Washington, D.C., December 16-17, 1999.
26. “Health-Related Quality of Life in Gulf War Veterans,” Invited Presentation, Persian Gulf Veterans Coordinating Board, Research Working Group, Washington, D.C., April 27, 2000.
27. “Organizational Factors Predicting Standard Precautions Compliance and Sharps Injury,” Invited Presentation, VA National Occupational Health and Safety Conference, Health and Safety Improvement through Partnering, San Antonio, TX, July 12, 2000.
28. “Rural Public Health Panel”, and “Hospitals and Community Systems”, Invited Panel Member, National Rural Health Research Agenda Setting Conference, Washington, D.C., August 13-15, 2000.
29. “Solving Challenges in Longitudinal Research on Gulf War Illnesses Studies,” in “Ongoing Longitudinal Follow-up Studies of Gulf War Veterans”, Invited Plenary Speaker, 2001 Research Conference on Gulf War Veterans’ Illnesses, *“Illnesses in Gulf War Veterans: A Decade of Scientific Research”*, Washington, D.C., January 24-26, 2001.
30. “The Iowa Study Syndrome Analysis” in “Is There a Gulf War Syndrome?: Alternate Approaches to Case-Definition”, Invited Plenary Speaker, 2001 Research Conference on Gulf War Veterans’ Illnesses, *“Illnesses in Gulf War Veterans: A Decade of Scientific Research”*, Washington, D.C., January 24-26, 2001.
31. “Research Needs for Program Evaluation”, Invited Panelist, Quality Enhancement Research Initiative (QUERI) Program Evaluation Meeting, Department of Veterans Affairs, Cecil G. Sheps Center, University of North Carolina, Chapel Hill, NC, October 23, 2001.
32. “Ongoing Longitudinal Studies—Boston, Iowa, UK, New Jersey”, Invited Panelist, Annual Plenary Session, Miliary Veterans Health Coordinating Board, Washington, D.C., December 10-12, 2001.
33. “Translation Research Methods”, Quality Enhancement Research Initiative (QUERI) Annual Meeting, Department of Veterans Affairs, December 12, 2001.
34. “Using Informatics & Automated Tools”, Co-Chair, Breakout Session, Quality Enhancement Research Initiative (QUERI) Annual Meeting, Department of Veterans Affairs, Florida, December 13, 2001.
35. “Integration of Cross-cutting Projects”, Co-Chair, Breakout Session, Quality Enhancement Research Initiative (QUERI) Annual Meeting, Department of Veterans Affairs, Florida, December 13, 2001.
36. “Funding Sources and the Future of Translation Research”, Chair, Quality Enhancement Research Initiative (QUERI) Translation Experts Meeting, Department of Veterans Affairs, Washington, D.C., August 13-14, 2002.
37. “Cross-Cutting Evidence Synthesis, Facility Characteristic Data/Survey”, Quality Enhancement Research Initiative (QUERI) Annual Meeting, Department of Veterans Affairs, Washington, D.C., December 11, 2002.
38. “Research Career Development”, Panel Discussant, Workshop, 26th Annual National Society of General Internal Medicine Meeting, Vancouver, B.C., April 30-May 3, 2003.
39. “Mentoring over Time and Distance: Creating a New SGIM Mentorship Program”, Discussion Group Leader, Precourse Workshop, 26th Annual National Society of General Internal Medicine Meeting, Vancouver, B.C., April 30-May 3, 2003.
40. “Organizational Issues in Guideline Implementation”, Workshop on Management Research, National VA HSRD Meeting, Washington, D.C., February 14, 2003.
41. “Cross-Cutting Issues in Guideline Implementation”, Visiting Professor, Regenstrief Institute/ VA HSRD REAP Center, Indianapolis, IN, February 26-27, 2003.
42. “Organizational Factors in Successful Guideline Implementation”, Workshop on Management Research in VA, Annual Academy Health Meeting, Nashville, TN, June 28, 2003.
43. “Qualitative Analytic Methods in Translational Research”, with Toni Tripp-Reimer, PhD., Advancing Quality Care Through Translation Research Conference, Agency for Healthcare Research and Quality, Iowa City, IA, October 13-14, 2003.
44. “Informatics Strategies to Support Healthcare Quality Improvement,” Invited Speaker, VA Quality Enhancement Research Initiative (QUERI) Annual Meeting, Washington, D.C., December 11, 2003.
45. “The Iowa Gulf War Study”, Invited Presentation, Canadian Health Ministry, Ontario, Canada, March 2, 2004.
46. “Implementing Evidence-based Practices: Recent Findings”, Grand Rounds, Purdue Regenstrief Center for Healthcare Engineering and Management, West Lafayette, IN, April 28, 2004.
47. “Getting Funded: Career Development Awards for Aspiring Generalist Investigators”, Presenter and Panel Discussant, Workshop, 27th Annual National Society of General Internal Medicine Meeting, Chicago, IL, May, 2004.
48. “Barriers & Facilitators to Use of Computers in VA for Implementing Guidelines”, Presenter and Discussant, Improving Quality of Care in the VA, Academy Health Annual Meeting, San Diego, CA, June 7, 2004.
49. “Attributes of an Ideal Integrated Informatics System that Supports Implementation of Evidence.” VHA State of the Art Conference (SOTA) VII. Implementing the Evidence: Transforming Practices, Systems, and Organizations. Washington, D.C., August, 2004.
50. “The Iowa Cohort Study: An Update”, Invited Presentation, Institute of Medicine Committee on Gulf War and Health, National Academy of Sciences, April 20, 2005.
51. “VA Clinical Reminder Survey Results”, Office of Information and Office of Patient Care Services Retreat Follow-up Meeting, September 8, 2005.
52. **“**Implementing Evidence and Organizational Change to Improve Care Delivery”, Symposium on Indiana State Patient Safety Initiative, Indiana Health Industry Forum, Indianapolis, IN, January 12, 2006.
53. “Implementing Evidence and Using Health Information Technology:
Findings and Options. Informatics Symposium, IU School of Informatics, Bloomington, Indiana, January 13, 2006.
54. “Indiana State Patient Safety Initiative”, Indiana State Senate Hearings, Indianapolis, Indiana, January 25, 2006.
55. “Using Health Information Technology to Implementing Evidence:
Barriers and Strategies”, VA HSR&D Annual Meeting, February 18, 2006.
56. “Health Services Research Ethics”, Clinical Ethics Journal Club, Fairbanks Center for Medical Ethics, Clarian Medical Center, March 16, 2006.
57. “Strategies to use Health Information Technology to Implement Evidence”, VA Cyberseminar Series, April 18, 2006.”
58. “Implementing the Evidence: Speeding the Adoption of Evidence-based Innovation in Healthcare”, Medicine Department Noon Conference, IUSM, May 8, 2006.
59. “Radically Reducing MRSA Infection”, CDC National Conference on Reducing MRSA Infections, Atlanta, GA, October 17, 2006.
60. “Informatics Implementation in the Veterans Health Administration Healthcare System to Improve Quality of Care.” American Medical Informatics Association Annual Meeting, Washington, D.C., November, 2006.
61. “Standards for Quality Improvement Reporting Excellence (SQUIRE)”, Institute for Healthcare Improvement, Boston, MA, April 3-5, 2007.
62. “Using Information Technology to Improve Care of the Complex Patient: Lessons from VA”, Chair, Presentation and Panel Discussion, Society for General Internal Medicine Annual Meeting, Toronto, Canada, April 29, 2007.
63. “Clinical Decision Support to Improve Quality of Care”, Presentation and Panel Discussion, Academy Health Annual Meeting, Orlando, Florida, June 5, 2007.
64. TIDES Quality Improvement/Information Technology Expert Panel, VA Greater Los Angeles Healthcare System, Los Angeles, CA, Sept. 27-28, 2007.
65. “A Citywide Electronic Infection Control Network: Successfully Translating Data into Action.” Theater-style Demonstration, American Medical Informatics Association Annual Meeting, Chicago, IL, November 10-14, 2007.
66. “Implementation & System Redesign Research.” Invited Presentation, Session on Translation of Research Into Practice, SGIM Annual Meeting, Pittsburgh, PA, May, 2008.
67. “Career Development Awards in VA.” Invited Panel Presentation, Session on Research Career Development Awards, SGIM Annual Meeting, Pittsburgh, PA, May, 2008.
68. “Implementing a Novel Approach to Reducing MRSA in a Hospital Collaborative.” Invited Presentation, Session on Research Translation, Academy Health Annual Meeting, Washington, D.C., June 10, 2008.
69. “Efforts to Reduce MRSA: Experience and Ongoing Studies”, AHRQ's 2008 Annual Conference: Promoting Quality — Partnering for Change. Agency for Healthcare Research and Quality, Bethesda, MD, September 7-10, 2008.
70. “Quality Measurement and Implementation Research”, Discussant, Breakfast Roundtable, VA HSR&D Annual Research Career Development Meeting, Baltimore, MD, February 11, 2009.
71. “Writing a Successful Career Development Award”, Invited Panel Presentation, Session on VA Research Career Development Awards, SGIM Annual Meeting, Miami, FL, May 14, 2009.
72. National Meeting of the Hospital Acquired Infections Reduction Collaborations”, Moderator. AHRQ's 2009 HAI Conference. Agency for Healthcare Research and Quality, Bethesda, MD, July 13-14, 2009
73. “Redesigning Hospital Care for Quality and Efficiency”, Panel with Paul Conlon, Pharm.D., J.D.; Shinyi Wu, Ph.D.; Moderator: Michael Harrison. AHRQ's 2009 Annual Conference. Agency for Healthcare Research and Quality, Bethesda, MD, September 15, 2009.
74. Redesign Strategies to Reduce MRSA: Community Collaboratives Using Positive Deviance and Lean”, Invited Talk, Eliminating Hospital Acquired Infections Grantees Meetings, CDC, Atlanta, GA, October 19-21, 2009.
75. Healthcare Associated Infections: Assessment Center Findings, Invited Talk, NCQIP, Agency for Healthcare Research and Quality, Bethesda, MD, February 22, 2010.
76. Taking Transformational Change to Scale: Reducing MRSA and other Infections. Invited Panel on Tools and Strategies for Transformational Change. Integrated Healthcare Association’s National Pay for Performance Summit, San Francisco, CA.  March 9, 2010.
77. Research Career Development Awards: Successful Strategies, Presentation at Society for General Internal Medicine Meeting, Minneapolis, MN, April 30, 2010.
78. “A Fusion Center for Cancer Care System Information”, 5th Annual Cancer Care Engineering Retreat, Indianapolis, IN, May 26, 2010.
79. “Ontology Development and Text Processing for MRSA Surveillance”, VA Consortium for Healthcare Informatics Research Steering Committee Meeting, Salt Lake City, June 22, 2010.
80. “Programs to Reduce MRSA Infections”, Symposium on Healthcare Associated Infections, University of Texas Southwestern Medical Center, Dallas, TX, August 28, 2010.
81. “Advancing Transformational Science”, Bridges to Sustainable Healthcare Transformation Through Evidence, Partnerships & Technology: 19th International Conference San Francisco, CA, January 19-22, 2011.
82. **“**Methodologic, Design and Conceptual Standards”, Small Group Discussant (invited), Delivery System Research, AHRQ Meeting, February 15-16, 2011.
83. **“**Investigating Integration of Computerized Decision Support into Workflow at Three Benchmark Institutions”, VA HSR&D Annual Meeting, February 16-18, 2011.
84. **“**Models for Interdisciplinary Collaboration”, Consortium for Healthcare Informatics Research, VA HSR&D Annual Meeting, February 16-18, 2011.
85. “Implementation of Guidelines: System Redesign and Technology Use”, Invited Lecture, NIMH supported *Implementation Research Institute (IRI)* training initiative (R25 MH080916, 09/09-08/14), expert faculty, June 27-July 1, 2011, Washington University in St. Louis, MO.
86. “Sustaining the Gains: Developing a Research Agenda on Sustainability”, Invited Discussant, AHRQ and Barnes Jewish Foundation, February 9-10, 2012, Washington University in St. Louis, MO.
87. “Strategies to Engage and Empower Staff in System Redesign”, Invited Speaker and Panelist, Invited Methods Workshop on Implementation Research, AcademyHealth 2012 Annual Research Meeting, June 24-26 at the Walt Disney World Swan and Dolphin Hotel in Orlando, FL.
88. Invited Participant, AMIA’s 2012 Invitational Health Policy Conference, December 12-13, 2012, Washington, DC.
89. Workshop Chair: Doebbeling, BN, Fosburgh, B., Plews-Ogan, M. “Managing Change and Redesigning Systems: Strategies to Identify, Prioritize and Sustain Innovative Practice”, 36th Annual SGIM Annual Meeting, April 26, 2013, Denver, Co.
90. Invited Discussion with Dr. Tony Suchman, “Relational Coordination Administration: Creating a Work Environment that Supports Patient-Centered Care.” NCP Education Webinar, May 14, 2013, 1:00-2:00 EDT.
91. Invited Presentation: Doebbeling, BN. “Improving Healthcare Systems for Access to Care by Underserved Patients”, Indiana Clinical and Translational Sciences Institute Sixth Annual Meeting, September 26th, 2014, Indianapolis, IN.
92. Paper Presentation, “Patient-Centered Appointment Scheduling Using Agent-Based Simulation, Annual AMIA Meeting, 2014.
93. Invited Presentation, “Redesigning Healthcare Systems for Improved Access to Primary Care in Underserved Populations”, School for the Science of Health Care Delivery, May 13, 2015, Phoenix, AZ.
94. Invited Presentation, Redesigning Healthcare Systems for Improved Access to Primary Care in Underserved Populations”, Teamwork and Care Coordination Research Group, CONHI/CHS, ASU, September 15, 2016, Phoenix, AZ.
95. Invited Presentation, “Redesigning Healthcare Systems for Improved Access to Primary Care in Underserved Populations”, Mayo Clinic Center for the Science of Health Care Delivery, Works in Progress Meeting, September 19, 2016, Scottsdale, AZ.
96. Yadav, S., Paode, P., Doebbeling BN. Rapid Ethnography of Health Leaders to Inform Understanding of EHR-Related Workflow and Redesign Opportunities. BMI Research Day, ASU, Scottsdale, AZ, March, 2019.
97. Doebbeling, B.N., Scotch, M., Sklar, D.P., Leischow, S. The COVID-19 Pandemic: Causes, Testing Options and Care. My topic: COVID-19 health care system challenges, needs and opportunities, online seminar, ASU, April 2, 2020.
98. Doebbeling, B.N., Scotch, M. Opiod Use Disorder, My Topic: Strategies for reducing opiod prescribing and alternative treatments, online seminar, ASU, April 22, 2020.
99. **Clinical assignments (last 5 years)**

None

**B. Offices Held in Professional Organizations**

Editorial Advisory Boards:

1991-93 *Infection Control and Hospital Epidemiology*

1992-99 *Clinical Performance and Quality Health Care*

1998-02 *American Journal of Infection Control*

2005- 12 *Implementation Science*

2009- *Primary Care & Community Health
 --Associate Editor (2010-2011)*

2010- *J Healthcare Engineering*

2010- *J Bioengineering & Biomedical Science*

Textbook Editing

* 1. Associate Editor, *Maxcy-Rosenau*-*Last* Public Health and Preventive Medicine, R.B. Wallace, B.N. Doebbeling (Eds.), Norwald, CT, Appleton & Lange, 14th Edition, 1998

Manuscript Ad-Hoc Reviewer

*American Journal of Epidemiology*

*American Journal of Infection Control*

*American Journal of Medicine*

*American Journal of Preventive Medicine*

*Annals of Internal Medicine*

*Antimicrobial Agents and Chemotherapy*

*Chest*

*Clinical Infectious Diseases*

*European Journal of Epidemiology*

*Infection Control and Hospital Epidemiology*

*JAMA*

*Journal of Aging and Health*

*Journal of Clinical Microbiology*

*Journal of General Internal Medicine*

*Medical Care*

*New England Journal of Medicine*

*Preventive Medicine
Psychological Medicine*

Senior Guest Editor/Conference Organizer:

“Emerging Perspectives in Transforming Healthcare”, 10th Bienniel Regenstrief Institute Conference Supplement, *Medical Care*. Group of 12 manuscripts published Dec 2011.

Grant Review Panels

Specific Research Grant Program, Idaho Board of Education, External Peer Reviewer, 1996

Review Panel, Epidemiology, American Institute of Biological Sciences Defense Health Research Program, 1998.

Review Panel, (Invited, declined), Health Services Research, National Institute of Occupational Safety and Health, Centers for Disease Control and Prevention, National Occupational Research Agenda (Note: declined due to competing proposal submission), June 1998.

Scientific Review and Evaluation Board, Quality Enhancement Research Initiative (QUERI), Service Directed Research to Improve HIV/AIDS Data and Assess VA HIV Therapy, Health Services Research and Development (HSR&D), Department of Veterans Affairs, December, 1998, February, 1999, June, 1999.

Scientific Review and Evaluation Board, Quality Enhancement Research Initiative (QUERI) on HIV/AIDS, Health Services Research and Development (HSR&D), Department of Veterans Affairs, 1999.

Review Panel, American Institute of Biological Sciences Defense Health Research Program, Washington, DC, June 13-15, 1999.

Ad-Hoc Reviewer, American Institute of Biological Sciences Defense Health Research Program, Washington, DC, September 3, 1999.

Ad-hoc Reviewer, Epidemiology Career Development Applications, Department of Veterans Affairs’ Medical Research Service, Washington, DC, October, 1999.

Ad-hoc Reviewer, Merit Applications, Epidemiology, Department of Veterans Affairs’ Medical Research Service, Washington, DC, March, 2000.

Translation Reviewer, Research and Methodology Committee, Quality Enhancement Research Initiative (QUERI) Strategic and Translation Plans, Health Services Research and Development (HSR&D), Department of Veterans Affairs, Washington, DC, April 5-6, 2001.

Review Panel, K08/K23/K24/K25 Career Development Awards, National Institutes of Health, Washington, DC, March 31-April 1, 2001; July, 2001.

Review Panel, K08/K23/K24/K25 Career Development Awards, National Institutes of Health, Washington, DC, May 13-14, 2002.

Ad-hoc Reviewer, Health Care Systems Research Panel, Agency for Healthcare Research and Quality (AHRQ), Washington, DC, February 20-21, 2003.

Ad-hoc Reviewer, HSRD Career Development Review Panel, Scientific Review and Evaluation Board, Department of Veterans Affairs’ Medical HSRD Service, Washington, DC, April, 2003 .

HSR&D Career Development Review Panel, Scientific Review and Evaluation Board, Department of Veterans Affairs’ Medical HSRD Service, Washington, DC, September, 2003- 06.

HSR&D Research and Methodology Panel, Quality Enhancement Research Initiative (QUERI) Program, Department of Veterans Affairs’ HSR&D Service, Washington, DC, January, 2007-2010.

HSR&D Service Directed Research, Scientific Review Evaluation Board, Department of Veterans Affairs’ HSR&D Service, Washington, DC, January, 2007-10.

VHA Systems Improvement Steering Subcommittee Grant Evaluation Workgroup, VHA Operations (10N) and Office of System Redesign, Department of Veterans Affairs’, HSR&D Service, Washington, DC, January, 2009-2011.

AHRQ Health Systems and Value Research Study Review Section, 2009-2012, meetings quarterly.

NIH Challenge Grants, Editorial Panel 3 (Health Services Research), 7/20-21/09.

NIH Implementation and Dissemination Research (R18 & R25) Review Panel, NHLBI, Bethesda, MD, December 9, 2011.

Patient Centered Outcomes Research Initiative Review Panel, Bethesda, MD, Feb 21, 2012.

NIH Center for Scientific Review, Biomedical Computing and Health Informatics (BCHI) Study Section, (Mail Reviewer), March, 2013, Bethesda, MD.

Health Services Research and Development (HSR&D) Scientific Merit Review Board, HSR3 (Medical Informatics), March 2014.

National Science Foundation (NSF) Review Panel, Partnerships for Innovation: Building Innovation Capacity (PFI: BIC) Program, **PFI: BIC: Health- Related I,** NSF, Arlington, VA, **03/31/2014 to 04/01/2014.**

NIH ZRG1 BBBP-B (55) R - PAR Panel: Behavioral/Social Science Methods and Measurement, February 08, 2018 - February 09, 2018. Bethesda, MD.

NIH ZRG1 HDM-Z 52 R, PAR-16-292 Mobile Health: Technology and Outcomes in Low and Middle Income Countries (R21), February 08, 2018 - February 09, 2018. Bethesda, MD.

NIH ZRG1 Grant Review Panel, HDM-W Health Services and Health Informatics, November 1, 2018; November 2019.

NIH ZRG1 BBBP-B (55) R - PAR Panel: Behavioral/Social Science Methods and Measurement, Jan 31, 2019. Bethesda, MD.

NIH ZRG1 HDM-Z 52 R, PAR-16-292 Mobile Health: Technology and Outcomes in Low and Middle Income Countries (R21), February, 2019. Editorial Review Panel. Bethesda, MD.

AHRQ Special Emphasis Panel Study Section – INTUIT-PC SEP (ZHS1 HSR-H (01), Non-surgical Treatment of Urinary Incontinence in Women in Primary Care, July 13 or 15, 2021. Ad-Hoc Review Panel. Bethesda, MD.

External Scientific Reviewer/Consultant:

1997-98 Hospital Infection Control Practices Advisory Committee (HICPAC), Guidelines for Infection Control in Health Care Personnel, Centers for Disease Control & Prevention, Published in *Infect Control Hosp Epidemiol*,19 (6), 407-463, 1998.

1999 External Scientific Consultant, National Institute for Occupational Safety and Health, Applied Psychology & Ergonomics Branch, Centers for Disease Control & Prevention.

1. External Reviewer, Institute of Medicine, National Academy of Sciences, Report of the Committee on Measuring the Health of Gulf War Veterans.
2. Advisory Panel, Anthrax Vaccine Immunization Outcomes, National Immunization Program, CDC, July 19, 2001; May 14, 2002.

2002 External Reviewer, Institute of Medicine, National Academy of Sciences, Report on Hepatitis B Vaccine and Neurological Disease.

2002 External Reviewer, Institute of Medicine, National Academy of Sciences, Report of the IOM Committee to Review the CDC Anthrax Vaccine Safety and Efficacy Collaborative Research Program.

2004-06 External Scientific Consultant, Post-deployment Health Section in the Canadian Forces Directorate of Medical Policy, Canadian Forces Medical Group.

2004 External Reviewer, Institute of Medicine, National Academy of Sciences, Report on Vaccines and Autism, Immunization Safety Review Committee.

2007-08 Consultant, Assessment of Infection Control Professional Inter-rater Reliability for Classification of Bloodstream Infections (BSI) Study, CDC Epicenter Proposal, M. Samore, PI, Salt Lake City UT.

2011- Consultant, Trial of Positive Deviance in Inpatient Wards to Reduce Hospital Infections, UT Health System Patient Safety Committee, Pranavi Sreeramoju, PI, Dallas, TX.

2011-15 Consultant, SBIR, *Integrated Decision Support for Colorectal Cancer Screening*, Applied Decision Science, LLC, CDC grant, Dayton, OH.

Scientific Advisory Committees:

2000-05 Scientific Advisory Panel, Patterns of Illness and Care Before Deployment to the Persian Gulf War, Institute of Medicine, The National Academies.

2001-05 Steering and Scientific Advisory Committee, Millennium Cohort Study, Departments of Defense and Veterans Affairs.

2005-06 IMPACT Study National Advisory Committee, Phase II Dissemination.

2005-08 Steering Committee, National Practice System Assessment Survey, Offices of Quality and Performance and Research and Development, VA.

2005 Technical Assistance Panel on Health Care Quality Benchmarking, Centers for Medicare and Medicaid Services.

2005 Consultant, Proposal on Evaluation of Care Management Software, VHA, Salt Lake City GRECC

2007-08 Standards for Quality Improvement Reporting Excellence (SQUIRE) Advisory Committee

2007-08 TIDES Quality Improvement/Information Technology Expert Panel, VHA

2007-09 Center for IT Leadership Study Advisory Board, VHA

2007-10 Steering Committee (Chair), VERDICT Center, San Antonio, TX VAMC, VHA

2007-14 Steering Committee (Chair), IDEAS Center, Salt Lake City VAMC, VHA

Abstract Reviewer:

1993 AFCR/CSCR/SGIM Midwest Section Annual Meeting, Health Care Research and Clinical Epidemiology

1996 AFCR/CSCR/SGIM Midwest Section Annual Meeting, Health Care Research, Clinical Epidemiology

1998 American Society for Microbiology Annual Meeting, Nosocomial Infections

1998 International Conference on Emerging Infectious Diseases, Nosocomial Infections Section, AHA/CDC/VA, Atlanta

1998- Federal Investigators Meeting on Gulf War Illness Research

1999 American Society for Microbiology General Meeting, Nosocomial Infections

2007- American Medical Informatics Association Annual Meeting

2008 -2013 SGIM Annual Meeting

Session Chair or Moderator:

1991 Nosocomial Infections, 31st Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), Chicago, IL

1992 Nosocomial Infections, 32nd ICAAC, Anaheim, CA

1993 Nosocomial Infections, 33rd ICAAC, New Orleans, LA

1993 Health Care Research and Clinical Epidemiology, Midwest AFCR/CSCR/SGIM Meeting, Chicago, IL

1996 Clinical Epidemiology, Midwest AFCR/CSCR/SGIM Meeting, 9/20/96, Chicago, IL

1997 Epidemiology, 2nd Annual Federal Investigators’ Meeting on Gulf War Illness Research, 1/29-30/97, Ft. Detrick, MD

1998 Session Chair, Epidemiology, 3rd Annual Federal Investigators’ Meeting on Gulf War Illness Research

1998 Colloquium: Viral Infections in Health Care Settings, Annual Meeting of the American Society of Microbiology, 5/17/98, Atlanta, GA

1999 Interventions to Protect Healthcare Workers from Bloodborne Pathogens, 99th Annual Meeting of the American Society of Microbiology, 5/30/99, Chicago, IL

1999 General Health Outcomes, 4th Annual Federal Investigators’ Meeting on Gulf War Illness Research, 6/23/99, Washington, D.C.

1999 Session Chair, Health Care Outcomes, Federal Investigators Meeting on Gulf War Illness Research

2001 Session Chair, Epidemiology, 5th Annual Federal Investigators’ Meeting on Gulf War Illness Research

2007 Invited Panel Chair, Clinical Decision Support in the Care of the Complex Patient: Lessons from the VA, Society of General Internal Medicine Meeting, Toronto, Canada

2009 Invited Workshop Chair, Research Career Development, VA Annual HSR&D Career Development Meeting

2012 Invited Session Chair, S90 – Theater-style Demonstrations – Clinical Informatics and Training, AMIA 2012 Annual Symposium, Chicago, IL, November 7, 2012

Departmental, Collegiate, VA or University Committees (since 1998):

Departmental

1997-98 Promotions Committee to Review Assistant Professors and Associates, Internal Medicine

1. Clinical Research Future Planning Group, Departmental Self-Study
	1. Divisional Leadership Group, GIM

2003 Full Professor Review Committee, Internal Medicine

2004-09 Promotion & Tenure Review Committee, Internal Medicine

Iowa City VAMC

1993-00 Environmental (Infection) Control Committee, IC VAMC

1994-95 Safety Management Committee, IC VAMC

1996-00 Chair, Environmental (Infection) Control Committee, VAMC

1996-00 Co-Chair, Medicine/Neurology Performance Improvement (originally Clinical Care) Committee, VAMC

1997-00 Clinical Executive Board, At-Large Member, VAMC

1998-03 Steering Committee & Core Faculty, Quality Scholars Program, Iowa City VAMC

1999-00 Chair, Search Committee, Associate Chief of Staff for Ambulatory Care, General Internal Medicine VA Medical Center, Iowa City, IA

1. 03 Research Committee, Iowa City VAMC

UIHC

1998-99 Utilization Review Subcommittee, Hospital Advisory Committee

UI College of Medicine

1997-98 Search Committee, Division Director, Occupational & Environmental Health, Preventive Medicine & Environmental Health, UI

1998 Collegiate Pediatrics Departmental Review Committee, UICM

1999-03 The Patient and Population-Oriented Research Retreat Committee, UI COM/COPH, and Subcommittee on Mentoring

2001-03 Executive Committee, Graduate Program in Translational Biomedical Research

2002-03 Planning Committee, Interdisciplinary Geriatric Research Center [IGRC], Hartford Foundation/RAND

College of Public Health

1999-01 Chair, Infectious Diseases Epidemiology Curriculum Review and Search Committee, UI College of Public Health (COPH)

1999-03 Steering Committee, NIMH Psychiatric Epidemiology/Biometry, UI COPH/COM

2001-03 Biostatistics Head Search Committee, UI College of Public Health (COPH)

2001-03 College of Medicine/Public Health New Investigators Research Award Review Committee

University of Iowa

1996-03 Member, The University of Iowa Cancer Center

1996-03 Steering Committee, Cancer Epidemiology, Prevention and Control Program of the University of Iowa Cancer Center

1996-99 Steering Committee, Global Health Program, UI

1996-97 Task Force on Faculty Development in Teaching, UI Health Sciences Colleges

1998-01 Faculty Senate, University of Iowa

1999-03 Mentor Faculty, T32 Infectious Diseases Research Training Grant

2000-03 Environmental Epidemiology Core, UI Environmental Health Sciences Research Center, CDC/NIEHS/UI

2000-03 Mentor Faculty, T32 Cardiovascular Research Training Grant

2000-03 Mentor Faculty, T32 Pulmonary Research Training Grant

2000-03 Advisory Committee, T32 Comprehensive Research Training Program in Oral Health

2002-05 Mentor Faculty, T32 Training in Nurse Effectiveness Research

2003-03 Mentor Faculty, T32 Pediatrics, Neonatology Training grants

2003- Affiliated Faculty, P30 Gerontologic Nursing Intervention Research Center

IU School of Medicine & Clarian Health Systems

2003-08 Executive and Fellowship Committees, K30 Clinician Investigator Training Enhancement (CITE) Program

2004-09 Operations Committee, Indiana Genomics (INGEN) Research Initiative

2004-06 Co-Director, Behavioral Oncology and Cancer Prevention Program, Indiana University Cancer Center

2004-06 Executive Committee, Indiana University Cancer Center

2004-09 Promotions & Tenure Committee, Department of Medicine

2005-09 Ad-hoc reviewer, Indiana University General Clinical Research Center

2005-08 Research Advisory Committee, Department of Medicine, Indiana University

2005-08 Quality and Patient Care Board, Clarian Health Systems

2006-08 Steering Committee, Patient Safety Resident Curriculum, Department of Medicine

Roudebush VAMC

2003-06 Clinical Executive Board, Roudebush VAMC

2003-09 Secretary/Treasurer, Indiana Medical Research Foundation

2004-06 Strategic Planning Workgroup, Roudebush VAMC

2006-09 Fellowship Leadership Group, HSR&D COE, Roudebush VAMC

Indiana University Purdue University Indianapolis (IUPUI)

2005 Search Committee, Public Health Dentist/Epidemiologist, IU School of Dentistry

2005 Search Committee, Health Economist, School of Public and Environmental Affairs

2005-13 Executive Committee & Core Faculty, NIH T32 Training in Behavioral Nursing Research Pre- and Postdoctoral Training, NINR (T32 NR007066)

2005-09 Advisory Board, Indiana-Ohio Center for Traumatic Amputation Rehabilitation Research, DoD

2007- 15 Human-Computer Interaction Graduate Program Affiliated Faculty Advisors, IUPUI

2007 IUPUI School of Informatics Review Committee

2011- 14 Core Faculty, T32 Medical Informatics Training Grant Pre- and Postdoctoral Training, NLM

2011- 15 MD/PhD Combined Degree Committee, Biomedical Engineering, MSTP Training Program, IU/Purdue

2013-2015 Promotion and Tenure Committee, School of Informatics and Computing, IUPUI (Chair 2013-2014)

2013-2015 Faculty Affairs Committee, School of Informatics and Computing, IUPUI

2013-2015 Leadership Committee, School of Informatics and Computing, IUPUI

2014- 2015 Urban Health and Well Being Planning Committee, IUPUI Campus Strategic Initiatives

College of Health Solutions, Arizona State University (ASU) Committees

2015- Student Engagement Team, College of Health Solutions

2015-18 Curriculum Committee, Science of Healthcare Delivery

2015-18 Promotion and Tenure Committee, School for the Science of Healthcare Delivery

2015-18 Executive Committee, School for the Science of Healthcare Delivery

2016-20 Dean’s Research Advisory Council, College of Health Solutions

2016-18 Chair, Promotion and Tenure Committee, College of Health Solution

2016-20 Tenure Track Search Committee, School for the Science of Healthcare Delivery

2016- Advisory Committee, Biomedical and Data Sciences Research Training Program, Department of Biomedical Informatics

2016- Chair, Clinical Work and Information Flow, Research Working Group, ASU College of Health Solutions and Mayo Clinic

2016-19 Graduate Curriculum Committee, Science of Healthcare Delivery, CHS

2017-18 Co-Chair, AHRQ K12 Planning and Writing Committee, Phoenix Metropolitan Area Learning Health Systems (PMALHS) Mentored Career Development Program

2018-19 T32 in Data Analytics Planning Committee, CHS

2018-20 Co-Director, Research and Scholarship Learning Group, CHS, a weekly research design methods and proposal development review

2018 Member, Ad Hoc Promotion and Tenure Committee, College of Health Solutions

2018- Dissemination and Implementation (D & I) Affinity Network, CHS

2018- Research & Community Partnerships Database Committee, Research Council, College of Health Solutions, ASU

2018-20 Research Review Committee, College of Health Solutions, ASU

2019-20 Chair, Strategic Program Development Committee, Science of Healthcare Delivery, College of Health Solutions, ASU

2019-20 Applied Research Initiatives Committee, Science of Healthcare Delivery, College of Health Solutions, ASU

2019-20 Personnel Committee, College of Health Solutions, ASU, conducts reviews of tenure track, non-tenure track, interim faculty appointments, and annual reviews

2019-21 Co-Director, High Cost, High Needs Patients Translational Team, CHS

Arizona State University (ASU) Campus wide Committees

2016-18 Internal Grant Review Committee, OKED, ASU

2017-18 Health Tech Advisory Board, ASU CHS & CONHI

2017- Creative Health Team, Team Leadership Academy, ASU

2018- Health Entrepreneurship Accelerator Lab (HEAL), Advisory Board, ASU

2018- Faculty Advisor, Entrepreneurship and Innovation Program, Knowledge Enterprise Development, ASU

2018-20 I-Corps Program Mentor, ASU

2019- Advisory Board, Creative Health Collaborations, Arizona Wellbeing Commons, ASU

2019- Faculty Advisor, Entrepreneurship and Innovation Program, Knowledge Enterprise Development, including ASU Startup School and Faculty and Staff Network Community, ASU

2019- Health Equity Data Working Group, ASU

2019- Indigenous Health Research Working Group, ASU

2019- Co-Lead, COVID-19 Translational Team, ASU

National, Regional or Statewide Committees:

1992-97 Iowa State Department of Public Health Expert Ad-hoc Reviewer on the HIV/HBV-Infected Health Care Worker (Reserve)

1994-95 Public Policy Committee, Society for Healthcare Epidemiology of America (SHEA)

1994-96 Nominating Committee, Society for Healthcare Epidemiology of America (SHEA)

1996-97 Partnership for Cancer Control in Underserved Populations, Iowa

1996-03 Research Advisory Board, Central Plains Veterans Health Network

1997-01 Technical Planning Committee, Annual Federal Investigators Meeting on Gulf War Illness Research

* 1. Chair Elect, Nosocomial Infections Section (L), American Society for Microbiology

1998-99 Chair, Nosocomial Infections Section (L), American Society for Microbiology

1998-02 Finance Committee, Society for Healthcare Epidemiology of America

1999-03 Implementation and Education Work Group, Advisory Council for Adoption, Development and Implementation of Clinical Practice Guidelines, Department of Veterans Affairs

1999-03 Disease Reporting Task Force, Iowa Department of Public Health

2001-05 Subcommittee on Clinical Reminders, Audit and Feedback, Advisory Council for Adoption, Development and Implementation of Clinical Practice Guidelines, Department of Veterans Affairs

2001-04 Planning Committee, Ongoing Program Evaluation and Improvement, Quality Enhancement Research Initiative (QUERI) Program, Department of Veterans Affairs

2002-05 National Clinical Practice Guideline Council, HSRD Representative, Department of Veterans Affairs

2002-05 Clinical Reminders Committee, National Clinical Practice Guideline Council (NCPGC), Department of Veterans Affairs

2002-04 DoD/DVA Health Executive Council Work Group on Deployment Health, Joint Committee DVA and DoD

2003-08 Review Panel, Health Services Research and Development Service Career Development Awards, Department of Veterans Affairs

2002-04 DoD/DVA Health Executive Council Work Group on Deployment Health, Research Subcommittee

2003-04 Planning Committee, State of the Art Conference on Implementation Research, DVA

2004-05 Quality Management Workgroup: Subcommittee on “Improving Quality Improvement”, DVA

2004-07 Steering Committee, VHA Practice Assessment Survey, Office of Quality & Performance and HSR&D, DVA

2005-11 Council on Quality and Patient Safety, Indiana Hospital & Health Association

2005-08 Medical Error Reporting Taskforce, Indiana Hospital & Health Association

2005-10 Indiana State Patient Safety Center Partners Committee, Indiana Hospital & Health Association

2006-09 Executive Committee, Stroke Quality Enhancement Research Initiative, DVA

2006 Synergy Knowledge Management Strategic Planning Group, Department of Veterans Affairs.

2006-10 Quality Enhancement Research Initiative (QUERI) Research and Methodology (R&M) Committee, Department of Veterans Affairs.

2007-08 Clinical Decision Support Redesign Workgroup, Department of Veterans Affairs.

2007-11 System Redesign Steering Committee, Department of Veterans Affairs

2009-13 SGC Four: Enhancing the Health of Our Communities and the Nation, NIH Clinical and Translational Science Application (CTSI)

2009-18 External Advisory Committee, Wesorick Center for Healthcare Transformation, Grand Valley State University, Grand Rapids, MI.

2012-15 hi2 Usability-User Experience Workgroup, Department of Veterans Affairs, Washington, D.C.

Professional Organizations:

1985-89 American College of Physicians (Associate)

1989-93 American College of Physicians (Member) (#20256)

1991-94 Infectious Diseases Society of America (Associate)

1. American Society for Microbiology (Member) (#5430160)

 (Chair Elect 1997-98; Chair, 1998-99, Section L, Nosocomial Infections)

1992-94 Society for Hospital Epidemiology of America (Member)

1992- Society for Epidemiologic Research (Member)

1992- Central Society for Clinical Research (Member)

1993- American College of Physicians (Fellow) (#20256)

1993- Association for Health Services Research (Member)

1994-97 Infectious Diseases Society of America (Member)

1994- Society for Healthcare Epidemiology of America (Member)

1. Society of General Internal Medicine (Member)

1997- Infectious Diseases Society of America (Fellow)

1997-07 American Public Health Association (Member)

2002-06 Research Committee, Society of General Internal Medicine

2003-2006 Best Published Paper Award Committee, Society of General Internal Medicine

2003-04 Iowa Foundation for Medical Care (Member)

2004-05 Mid-Career Mentoring Award Committee, Society of General Internal Medicine

2006-10 VA Research Committee, Society of General Internal Medicine

2009 Mid-Career Research Mentorship Award Selection Committee, Society of General Internal Medicine

2010-12 Abstract Review Committee, Quality of Care/Patient Safety, Society of General Internal Medicine

2010-13 Development Committee, Society of General Internal Medicine, Co-Chair (2011-2012), Chair 2012-13.

2012-13 Clinical Practice Innovations (CPI) review committee for SGIM’s 36th Annual Meeting in April 2013 in Denver, Society of General Internal Medicine

2005-19 AMIA Working Groups: Implementation; Clinical Decision Support; Clinical Information Systems

2008- AMIA Annual Meeting: Abstract and Paper Reviewer

2012-20 AMIA Working Groups: Clinical Research Informatics; Population Health Informatics

2014- AMIA Working Groups: Evaluation, and People and Organizational Issues

2016- AMIA Annual Meeting Mentor (meets with 1-3 junior faculty to provide career advice during annual meeting)

2018- AMIA Clinical Annual Meeting: Abstract and Paper Reviewer

See http://myprofile.cos.com/doebbeling