

Curriculum Vitae

Brian E. Dixon, MPA, PhD, FACMI, FIAHSI, FHIMSS, FAMIA, MACE

Primary Office
Regenstrief Institute, Inc.
Center for Biomedical Informatics
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Center for Health Information and Communication
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Education

Ph.D., School of Informatics and Computing, Indiana University, Bloomington, IN, May 2011
Concentration: Health Informatics
Minor: Public Administration
Dissertation: The Perceived and Real Value of Health Information Exchange in Public Health Surveillance
(Available at <http://hdl.handle.net/1805/2626>)

M.P.A., School of Public and Environmental Affairs, Indiana University-Purdue University Indianapolis (IUPUI), Indianapolis, IN, May 2005
Concentration: Public Management

B.A., DePauw University, Greencastle, IN, May 2001
Major: Computer Science
Minor: Public Administration

Academic Appointments and Experience

Current Appointments

Professor (Full, w Tenure), Department of Health Policy & Management
Richard M. Fairbanks School of Public Health, Indiana University
Indiana University Indianapolis, Indianapolis, IN
July 2023 – Present

Interim Director, Center for Biomedical Informatics
Regenstrief Institute, Inc., Indianapolis, IN
June 2022 – Present

Director, Public Health Informatics Program
Center for Biomedical Informatics, Regenstrief Institute and the
Richard M. Fairbanks School of Public Health, Indiana University
October 2018 – Present

Faculty Fellow, Center for Health Policy
Richard M. Fairbanks School of Public Health, Indiana University
Indiana University Indianapolis, Indianapolis, IN
November 2017 – Present

Research Scientist
Center for Biomedical Informatics **and** Center for Health Services Research
Regenstrief Institute, Inc., Indianapolis, IN
August 2011 – Present

Investigator in Residence / Health Research Scientist
Center for Health Information and Communication
Health Services Research & Development Service, U.S. Department of Veterans Affairs
Roudebush VA Medical Center, Indianapolis, IN
August 2011 – Present

Adjunct Professor, Department of BioHealth Informatics
Luddy School of Informatics and Computing, Indiana University
Indiana University Indianapolis, Indianapolis, IN
July 2016 – Present

Past Appointments

Professor (Full, w Tenure), Department of Epidemiology
Richard M. Fairbanks School of Public Health, Indiana University
Indiana University-Purdue University Indianapolis, Indianapolis, IN
July 2022 – June 2023

Associate Professor (w Tenure), Department of Epidemiology
Richard M. Fairbanks School of Public Health, Indiana University
Indiana University-Purdue University Indianapolis, Indianapolis, IN
July 2016 – June 2022

Assistant Professor, Department of Epidemiology
Richard M. Fairbanks School of Public Health, Indiana University
Indiana University-Purdue University Indianapolis, Indianapolis, IN
August 2014 – June 2016

Assistant Professor, Health Informatics, Department of BioHealth Informatics
School of Informatics and Computing, Indiana University
Indiana University-Purdue University Indianapolis, Indianapolis, IN
August 2011 – July 2014

Professional Work Experience

Regenstrief Institute, Inc., Indianapolis, IN, 2001 – 2011

Health Information Project Manager (March 2005 – July 2011)

- Prepared and reviewed technical and cost proposals for extramural funding sponsors that detailed intended Statements of Work (SOWs), including scientific methods to evaluate the project's impact on health care quality, safety, efficiency, and effectiveness
- Directed, planned, implemented, monitored project schedules, deliverables, risks, budgets, and issues
- Designed data collection instruments, including surveys, interview protocols, databases, and Web-based applications
- Performed analyses of literature relevant to research projects, data collected through research activities, and data extracted from biomedical databases
- Prepared technical and scientific reports and other deliverables for submission to internal teams and external stakeholders, including funding agencies
- Assisted in preparation of manuscripts and abstracts for scientific journals and meetings
- Facilitated project planning meetings and cross-team coordination

Computer Programmer (July 2001 – March 2005)

- Redesigned and supported the LOINC® Database and RELMA® Program, both are used by laboratories, hospitals and other health industry segments around the world to promote technology standards through the mapping of local institution codes to standardized LOINC® codes.
- Analyzed large datasets related to public health in the areas of cancer and communicable disease
- Designed and programmed in-house applications for use by health care researchers as well as clinicians

Teaching Experience and Course Development

Courses Taught at Indiana University Indianapolis (Formerly IUPUI)

Active Courses

Leadership Challenges in Global Health Informatics (PBHL H763)

2019-2021; 2023-Present (Summer Session)

This online course provides DrPH students with insights into timely issues relating to global health informatics. The course helps students understand current global challenges and opportunities in health informatics and equips them with the skills and knowledge they need to effectively identify and address information needs in organizations.

Co-Taught course with Dr. Joshua Vest (2019-2021) and Dr. Christopher Harle (2019)

Note: In 2022 the course was taught by an adjunct while on sabbatical

Information Exchange for Population Health (PBHL-E645 & AMIA 10x10)

2015-Present (Summer Session)

This online course explores the electronic exchange of data, information and knowledge between clinical and public health organizations in support of population health. Students will examine the strategic, organizational, legal, technical, and socio-political aspects of clinical and public health information exchange in the United States and abroad.

Note: In 2022 an Adjunct Instructor taught the course using my materials while on sabbatical.

Foundations of Public Health Informatics (PBHL-E635)

2015-Present (Spring Semester)

This online course introduces the field of informatics to public health students. Core aspects of informatics relevant to the collection, management, and application of public health data will be reviewed. Examples are drawn from core public health functions, such as vital records, surveillance, immunization, environmental health, and community health assessment.

Note: In 2022 and 2023 an Adjunct Instructor taught the course using my materials while on sabbatical.

Previous Courses

Public Health Informatics (PBHL E400)

2021 (Spring Semester)

This course is designed to introduce the student to recent and ever-expanding area of public health informatics. First, fundamental concepts of informatics, health information exchanges, and common data sources for public health informatics will be presented. The remainder of the course draws on these concepts to examine the use of these in public health. Throughout this course, students will learn how data can be collected from varying sources and used in public health.

Doctoral Research Seminar in Epidemiology (PBHL-E775)

Summer 2016

This course is designed to expose PhD students to a wide range of specific research topics and issues in Public Health. The seminar topics will be chosen by the Director of the PhD program and the Course Director with input from other faculty members. The PhD students are expected to attend each seminar session, read assigned material, and participate in the seminar discussions. The PhD students may be asked to present their research projects during the seminar to obtain feedback and recommendations from the faculty and other students.

Clinical Decision Support Systems (INFO-B642)

Spring 2014

This course provides an in-depth review of the history, science, practice, and state-of-the-art research on Clinical Decision Support Systems (CDSS). Topics include: design principles behind CDSS, architecture and integration of CDSS, implementation and adoption of CDSS, knowledge management, mathematical foundations of knowledge-based and pattern recognition systems, legal and ethical issues, patient centered CDSS, population level CDSS, and the application of CDSS in a variety of contexts.

Health Information Exchange (INFO-B582)
2013-2014

This course offers an in-depth review of health information exchange (HIE), the electronic exchange of administrative and clinical information between disparate health care organizations. Students will examine the strategic, organizational, legal, technical, and socio-political aspects of HIE initiatives. Students will further review the evidence on the impact of HIE services on health care quality, safety, efficiency, and cost.

Seminar in Health Informatics I (INFO-B667)
2012-2013 (Fall Semester)

The course provides graduate students with knowledge on a wide range of advanced topics in biomedical informatics. Themes: Human-computer interaction and usability of clinical information systems (2012-2013); Development and interoperability of information systems (2011)

Seminar in Health Informatics II (INFO-I668)
2012-2013 (Spring Semester)

The course provides graduate students with knowledge on a wide range of advanced topics in biomedical informatics. Themes: Clinical decision support (2013); Big medical data and health care analytics (2012)

Courses Taught Outside of Indiana University

Applied Public Health Informatics
Technische Hochschule Deggendorf (THD), Pfarrkirchen, Germany
June 2020

Multiday course taught over Microsoft Teams (due to COVID-19) to medical informatics graduate students. The course introduced Public Health Informatics theory, methods, and applications. A focus of the course was on how to analyze population health data and interoperability for public health.

<https://www.th-deg.de/digihealthday#workshops>

Transforming Public Health Surveillance
Institute for Workforce Development, Africa CDC, Addis Ababa, Ethiopia
Summer 2019

Co-taught 4-week course to African public health leaders on how surveillance can be transformed using modern approaches, including informatics. Lead the informatics section of the course, which comprised 25% of the overall course time and effort. Lectured and recruited other lecturers to contribute content to this open, online course designed to enhance the workforce in Africa.

<https://africacdc.institute/courses/tphs>

Introduction to Public and Global Health Informatics
School of Public Health, Nanjing Medical University, Nanjing, China
April 2018

Taught 2-week short course to International MPH students on the foundations of eHealth as applied to clinical and population health in a global context. NMU has a collaboration with FSPH to strengthen the public health workforce globally and collaborate on public health research.

Course Development

Public Health Informatics (PBHL-E400) – Course Design (2019)

Course introduces students to the exciting discipline of public health informatics to undergraduate students, especially epidemiology majors and other public health students.

Public Health Surveillance (PBHL-E391) – Course Design (2019)

Surveillance is the cornerstone of public health practice. In this course, students explore the past, present and future of public health surveillance in the context of the U.S. and international health regulations.

Introduction to Population Health Analytics (PBHL-E647) – Course Design (2018)

This course examines the use of analytics and big data in the context of population health within governmental public health agencies as well as health systems. Students will be introduced to a host of methods used to analyze population health data, and gain technical skills required to perform analytics in support of real-world use cases. Practical demonstrations will be covered using Weka software, as well as python and R programming languages.

Information Exchange for Population Health (PBHL-E645) – Course Design (2015)

This course is designed to introduce MPH and MHA students to the concepts of electronic data exchange for population health contexts within both clinical and public health settings.

Foundations of Public Health Informatics (PBHL-E635) – Course Redesign (2014)

This course introduces public health informatics, especially designed for MPH and MHA students. Emphasis is on foundational informatics building blocks to support public health practice.

Clinical Decision Support Systems (INFO-B642) – Course Redesign (2014)

Previous instructor did not provide materials. Course covered both the theory and application of CDS systems in modern health care. The course syllabus was organized into three sections: introduction and theory; existing CDS applications; emerging CDS paradigms.

Health Information Exchange (INFO-I582) – Course Redesign (2012)

Previous instructor provided materials. I restructured the syllabus to organize the course around key domains pertinent to the exchange of clinical data across institutional boundaries. In addition, I enhanced the content and assignments to include more technical knowledge of HIE information systems and modules. I further enhanced the reading list and lecture materials with papers and knowledge from my own research in HIE.

Guest Lectures

Introduction to Public Health (IUPUI FSPH P109)

Spring 2021

Guest lectured on informatics and its role in supporting the discipline of public health

Implementing Health Informatics Initiatives (UNC Chapel Hill, HPM 620)

Spring 2021

Guest lectured on the use of EHR and HIE systems to support community-based population health initiatives, including the COVID-19 pandemic response

Administration and Management of Physical Therapy Services (IU PTHR-P 664)

Fall 2023 and 2022; Summer 2020

Guest lectured on the importance of data in health care and contextualized into current events (e.g., COVID-19 pandemic response using HIE and EHR systems)

Health Information Exchange (IU SOIC, B582)

Spring 2021 and 2020

Guest lectured on evaluation of HIE efforts, including usage and impact on outcomes

Health Information Research and Analysis Methods (IU SOIC, HIM-M400)

Spring 2019

Guest lectured on key concepts important in public health and informatics research

Patient Safety and Informatics (Purdue University College of Pharmacy, PHRM 86800)

Fall 2020, 2019, and 2018

Guest lectured on 'big data' and analytics in health care, especially population health

Transforming Public Health Surveillance (Emory Rollins School of Public Health, EPI 515)

Fall 2022; Fall 2020; Spring 2019, 2018, and 2017

Guest lectured on the foundations of public health informatics

Seminar in Epidemiology (IU School of Public Health, Bloomington)

Spring 2017

Guest lectured on public health informatics; described active research projects in this space

Introduction to Clinical Informatics (ACI 6110, MS Applied Clinical Informatics, Vanderbilt)

Fall 2023, 2022, 2021, 2020, 2019, 2018, 2017, and 2016

Guest lectured on health information exchange; introduced topic and recent advances

Seminar in BioHealth Informatics (IU School of Informatics and Computing, INFO-B531)

Fall 2016

Guest lectured on public health informatics; described active research projects in this space

Doctoral Research Seminar (PBHL-E775)

Summer 2015, 2016, and 2017

Guest lectured on public health informatics; described active research projects in this space

Advanced Epidemiology (PBHL-E601)

Spring 2015, 2016, and 2017

Guest lectured on public health informatics; defined discipline and how it relates to epidemiology

Health Informatics Standards and Interoperability (IU SOIC, INFO-B581)

Spring 2014, 2015, and 2016

Guest lectured on public health informatics standards

Introduction to Research in Informatics (IU School of Informatics and Computing, INFO-I305)

Spring 2013

Guest lectured on qualitative and mixed methods research in health informatics

The Essential Elements of Health Information Exchange (University of San Diego Extension)

Summer 2012

Presented a case study of the Indiana Health Information Exchange (IHIE)

Evaluation Methods in Informatics Research (IU School of Informatics and Computing, INFO-I399)

Spring 2012

Guest lectured on qualitative research methods in health informatics

Graduate Student Theses & Project Advising / Mentoring

Active Students

Research Committee Member

Christina Albertin (PhD Epidemiology) *Chair*
Katie Allen (PhD Health Policy & Management) *Minor Advisor*
Yenling Ho (PhD Epidemiology – Minor Population Health Analytics) *Chair*
Mahlet (Mahi) Konjit-Solomon (DrPH Global Health Leadership) *Chair*
Opeyemi Ojo (PhD Epidemiology – Minor Population Health Analytics) *Chair*
Amit Parulekar (PhD Health Informatics – Minor Population Health Analytics) *Minor Advisor*

Academic and/or Research Advisor

Shane Hanley (PhD Epidemiology – Minor Population Health Analytics)

Research Rotation / Independent Study Supervisor

Kitzel Padilla (MPH Informatics Capstone) – 2023
Justin Stiles (Indiana Medical Student Program for Research and Scholarship) – 2023
Chelsea Kim Santos Allanique (BS Informatics, DataWiz Scholar) – 2023
Ava Luo (AMIA High School Scholars Program) – 2023
Mayowa Awoskia (BS Informatics, LHSI Internship) – 2022-2023
Elisabeth Reese (Indiana Medical Student Program for Research and Scholarship) – 2022
Eileen Tallman (MPH Informatics FSPH) – 2021
Ahmed Deeb (BS Pre-Med Earlham College) – 2021
Matt Ferguson (Indiana Medical Student Program for Research and Scholarship) – 2020
Ben Richter (Indiana Medical Student Program for Research and Scholarship) – 2020
Yenling Ho (PhD Fairbanks SPH – Epidemiology) – 2018
Timothy O'Connor (Indiana Medical Student Program for Research and Scholarship) – 2017

Graduates

Elinor (Ellie) Hansotte, PhD (2023; Health Policy & Management)
Community Health Workers: An Examination of State Policies and Analysis of a Healthcare-Based Intervention for Diabetes Management
Role: Doctoral Committee Member; Minor Advisor
Dissertation available <https://hdl.handle.net/1805/34370>

Japjit Tutt, MPH (2023; Health Policy & Management)
Role: Summer Research Supervisor (2021)

Timothy McFarlane, PhD (2023; Epidemiology – Minor Health Informatics)
Traumatic Brain Injury Surveillance and Epidemiological Research with Electronic Health Records: Building New Capacities
Role: Doctoral Committee Chair, Research Mentor
Dissertation available <https://hdl.handle.net/1805/32281>
Note: Elite 50 recognition and Sherry Queener Graduate Student of the Year Award (2019)

Casey Kar-Chan Choong, PhD (2022; Epidemiology – Minor Population Health Analytics)
Real-World Evidence Studies on The Association of Serum 25-Hydroxyvitamin D Levels with Pain Intensity and Opioid Use

Role: Doctoral Committee Member, Minor Advisor
Dissertation available <https://hdl.handle.net/1805/30862>

Nate Peters, B.S. (2022; Health Data Science)
Role: Internship Supervisor (2021)

Zachary Sheff, PhD (2022; Economics)
Three Essays in Health Economics: The Role of Coordination in Improving Outcomes and Increasing Value in Health Care
Role: Doctoral Committee Member, Minor Advisor
Dissertation available at <https://hdl.handle.net/1805/29509>

Uzay Kirbiyik, PhD (2022; Epidemiology)
Systematic Exploration of Associations Between Select Neural and Dermal Diseases in a Large Healthcare Database
Role: Doctoral Committee Chair
Dissertation available at <https://hdl.handle.net/1805/28472>

Liliana N. Gehring, DrPH (2022; Global Health Leadership)
Optimizing MUSC's Outpatient Teleconsultation Nutrition Services in Rural South Carolina
Role: Doctoral Committee Chair
Dissertation available [Coming Soon]

Thomas J. Duszynski, PhD (2022; Epidemiology)
Epidemiological Analysis of SARS-CoV-2: Three Papers Examining Health Status, Response Bias, and Strategies for Engagement
Role: Doctoral Committee Member
Dissertation available at <https://hdl.handle.net/1805/28226>

Patrick T.S. Lai, PhD (2022; Health Informatics)
Analyzing Chlamydia and Gonorrhea Health Disparities from Health Information Systems: A Closer Examination Using Spatial Statistics and Geographical Information Systems
Roles: Doctoral Committee Member, Research Mentor
Dissertation available at <https://hdl.handle.net/1805/29244>

Hetvee Patel, M.S. (2021; Biostatistics)
Role: Research Mentor/Supervisor

Jennifer Alyea, PhD (2021; Epidemiology; Health Informatics)
Utilization Patterns of Lymph Node Dissection in Endometrial Cancer Patients Without Distant Metastasis in the United States
Roles: Doctoral Committee Chair, Minor Advisor
Dissertation available at <https://hdl.handle.net/1805/26253>

Harshpreet Dhani, BS (2021), MHA (2022)
Role: VA Health Services Research Internship Mentor/Supervisor (2020)

Brittney Chong, BS (2021; Neuroscience and Pre-Med at Earlham College) – MD (Cornell University)
Role: Summer Internship Mentor/Supervisor (2019)

Michael Grady, BS (2021; Biology at Earlham College)
Role: Summer Internship Mentor/Supervisor (2019)

Avianna Torres, BS (2021; Health Services IUPUI)

Role: Life and Health Sciences Internship Mentor (2019-2020)

Nathan C. Apathy, PhD (2020; Health Policy & Management; Population Health Analytics)
Health Information Exchange Use in Primary Care
Role: Doctoral Committee Member, Minor Advisor
Dissertation available at <http://hdl.handle.net/1805/23669>

Natalie DiPietro Mager, PhD (2020; Epidemiology; Minor Health Informatics)
Preconception and Interconception Health and Routine Health Service Use Among Women in a Rural
Midwestern Community
Role: Doctoral Committee Chair, Minor Advisor
Dissertation available at <http://hdl.handle.net/1805/22285>

Kaitlynn Brooks, BS Health Services Management (2020)
Role: VA Health Services Research Internship Mentor/Supervisor (2019-2020)

Hallie G. Martin, B.S. Health Data Science (2020)
Role: Life and Health Sciences Internship Mentor (2018-2019)

Vanessa Duran, B.S. Neuroscience (2020 Earlham College)
Role: Summer Internship Mentor (2018)

Corrine Bowditch, B.S. (2020; Health Sciences) - Named Top 100 Undergraduate in 2020
Role: Life and Health Sciences Internship Mentor (2018-2019)

Joanne Yi, B.S. HIM (2019 Luddy School of Informatics and Computing) - RHIA
Role: Preceptor for HIM Internship (2018-2019)

Shahed Sbeta, B.S. Pre-Med (2019 Earlham College)
Role: Summer Internship Mentor (2018)

Amber Halterman, B.S. HIM (2018), MS Health Informatics (2019) - RHIA
Role: Preceptor for HIM Internship (2018)

Abdullah Alzeer, PhD (2018; Informatics with Public Health minor)
Identifying Opioid Use Problems in the State of Indiana: Text-Mining Approach
Role: Doctoral Committee Member; Minor Advisor; Research Mentor
Dissertation available at <http://hdl.handle.net/1805/18079>

Rizwana Biviji, PhD (2018; Health Policy & Management)
Evaluating the Quality of Mobile Health Apps for Maternal and Child Health
Role: Doctoral Committee Member; Minor Advisor
Dissertation available at <http://hdl.handle.net/1805/17759>

Suranga Kasthurirathne, PhD (2018; Informatics) -- The Use of Clinical, Behavioral and Social
Determinants of Health to Improve Identification of Patients in Need of Advanced Care for Depression
Role: Research Rotation / Independent Study Supervisor
Dissertation available at <http://hdl.handle.net/1805/17765>
Current Position: Assistant Professor (Tenure-Track), Department of Pediatrics, Indiana University School
of Medicine

Adam Knotts, PhD (2018; Health Policy & Management) -- Young People in Recovery from Substance
Use Disorders: An Analysis of a Recovery High School's Impact on Student Academic Performance &
Recovery Success

Role: Doctoral Committee Member; Minor Advisor
Dissertation available at <http://hdl.handle.net/1805/16280>

Kevin Lema, B.S., Biology & Neurology (2018)
Role: Life and Health Sciences Internship Supervisor
Current Position: Graduate Assistant of Rinella Learning Center at Miami University

Olivia White, B.S., Health Information Administration (2018)
Role: Practicum Supervisor

Macey Henderson, PhD (2016; Health Policy & Management) -- Living Kidney Donor Follow-Up in a Statewide Health Information Exchange: Health Services Utilization, Health Outcomes and Policy Implications
Role: Doctoral Committee Member
Dissertation available at <http://hdl.handle.net/1805/11007>

Masoud Hosseini, PhD (2016; Informatics) -- Consolidation of CDA-Based Documents from Multiple Sources: A Modular Approach
Role: Doctoral Committee Member and Research Mentor
Dissertation available at <http://hdl.handle.net/1805/11262>

Monica Kasting, PhD (2016; Epidemiology) -- Human Papillomavirus Vaccination Status Association with Subsequent Health Behaviors
Role: Doctoral Committee Co-Chair
Dissertation available at <http://hdl.handle.net/1805/10629>

Crystal Boston-Clay, PhD (2016; Informatics) -- Assessing Health Information Technology Acceptance: Developing A Human-Computer Interaction Activity-Centered Acceptance Framework
Role: Doctoral Committee Member; Minor Advisor
Dissertation available at <https://search.proquest.com/docview/1779282470>

Abdulrahman M Jabour, PhD (2016; Informatics) -- Cancer Reporting: Timeliness Analysis and Process Reengineering
Role: Doctoral Committee Member and Research Mentor
Dissertation available at <http://hdl.handle.net/1805/10481>

Justin Holderman, MPH (2016; Epidemiology) -- Adherence to CDC Recommendations of Gonorrhea and Chlamydia Follow-up Testing in the Indianapolis, IN MSA
Role: Research Mentor

David Lynch, B.S., Health Information Administration (2016)
Role: Practicum Supervisor

Annabel Butler, B.S., Health Information Administration (2016)
Role: Practicum Supervisor

Cara Chandler, B.S., Public Health (2016)
Role: Research Assistant Supervisor

Janae Johns, B.S., Public Health (2016)
Role: Research Assistant Supervisor

Emily McDonald, MD, Infectious Disease (2015) – Epidemiology of Lyme Disease in Veterans
Role: IU School of Medicine Special Elective Rotation Supervisor

Opeyemi Olorungbounmi, MPH (2015) -- Epidemiology of Gonorrhea in Marion County, Indianapolis, Indiana from 2003-2012

Role: Research Mentor

Jill Mazurczyk, Alanna Berdanier, Melissa Kremholz; MPH (2015) -- Bacterial Sexually Transmitted Infections (STIs) in Mothers and their Contribution to Low Birthweight Babies in Marion County, Indiana

Role: Research Mentor

Hassan Shah, B.S., Health Information Administration (2015)

Role: Practicum Supervisor

Richard Crock, B.S., Certificate in Health Information Exchange and Management (2014)

Role: Practicum Supervisor

Karnali Vyawahare, M.S. (2014) -- Feasibility of Identifying Potential Risk Factors for Periodontal Disease from Dental Electronic Health Records (EHR) Data

Role: MS Capstone Advisor and Research Rotation Supervisor

Robin L. Chisholm, Ph.D. (2014; Informatics) -- Emergency Physician Documentation Quality and Cognitive Load: Comparison of Paper Charts to Electronic Physician Documentation

Role: Doctoral Committee Chair

Dissertation available at <http://hdl.handle.net/1805/5809>

Harshini Kondapur, M.S. (2014) -- Exploring the Epidemiology of Lyme Disease in a Veteran Population

Role: MS Capstone Supervisor

Priyanka Singh, M.S. (2014) -- Evaluating Potential Impact of Health Information Exchange (HIE) on Public Health Processes

Role: MS Capstone Supervisor

Louis Imperiale, American Medical Informatics Association High School Scholar (2014)

Role: Research Supervisor, Mentor

Adam Culbertson, M.S. (2014)

Role: Academic Advisor, Research Rotation Supervisor

Fatemah Mohammad Aloudah, M.S. (2014)

Role: Research Rotation Supervisor

Cathleen Whobrey, Certificate in Health Information Exchange and Management (2014)

Role: Certificate Practicum Supervisor

Lacy E. Boyd, M.S. (2013) -- A Personal Electronic Chart

Role: MS Capstone Supervisor

Kavya Gujjula, M.S. (2013) -- Evaluating Completeness for Notifiable Disease Reporting and Public Health Reporting

Role: MS Capstone Supervisor

Aaron Cutshall, M.S. (2013) -- Implementation Challenges for the Health Quality Measures Format

Role: MS Capstone Supervisor

Stephen L. Brown, M.S. (2012) -- A Taxonomy of Autism Terms with Exploratory Analysis of Current Terminology Usage In Public Health
Role: MS Thesis Committee Member
Thesis available at <http://hdl.handle.net/1805/3356>

Amrita Parikh and Nikithareddy Madhavareddygari, M.S. (2012) -- An Electronic Recordkeeping Approach for Elderly In-Home Care
Role: MS Capstone Committee Member

Faculty Mentoring

Current

Muchiri E. Wandai, PhD, MSc (Aug 2023 – Present)
Postdoctoral Fellow, Regenstrief Institute, Inc
Serving as primary mentor for Dr. Wandai who is completing a fellowship in public and population health informatics at the Regenstrief Center for Biomedical Informatics.

Osayame Ekhaguere, MBBS, MPH, FAAP (Jan 2019 - Present)
Assistant Professor of Clinical Pediatrics, Department of Pediatrics, Section of Neonatal-Perinatal Medicine, Indiana University School of Medicine
Mentored Dr. Ekhaguere on his research career, especially in preparation for a career development award focused on global biomedical informatics research.

Former Mentees

Nimish Valvi, DrPH, MPH (Sep 2020 – Aug 2023)
Postdoctoral Fellow, Regenstrief Institute, Inc
Served as primary mentor for Dr. Valvi who completed a fellowship in public and population health informatics at the Regenstrief Center for Biomedical Informatics.
Current Position: Assistant Professor of Epidemiology, Ball State University

Suranga Kasthurirathne, PhD (Aug 2018 - 2022)
Assistant Professor, IU School of Medicine, Department of Pediatrics
Mentored Dr. Kasthurirathne on his research career as well as teaching efforts. Supported his development of a career development award in public health informatics.
Current Position: Manager, Data & Insights, NSW Health Pathology (New South Wales, Australia)

Tao Li, PhD (Jan 2021 – Dec 2021)
Assistant Professor, Department of Computer Information and Graphics Technology, Purdue School of Engineering and Technology
Mentored Dr. Li through the EMPOWER program at IUPUI, focused on career development and guidance towards promotion & tenure.

Peter C. Jenkins, MD, MSc (Jun 2017 – Jun 2020)
Assistant Professor of Surgery, IU School of Medicine
Mentored Dr. Jenkins on epidemiology and health outcomes research in preparation for his submission of a career development award in health services research.
Current Position: Associate Professor of Surgery, IU School of Medicine

Willie Tarver, DrPH, MPH (Oct 2017 – Jun 2019)
Informatics Fellow, Richard L. Roudebush VA Medical Center
Mentored Dr. Tarver on his research career in population health informatics. Supported his application for a career development award from VA HSR&D.

Current Position: Assistant Professor, Center for the Advancement of Team Science, Analytics, and Systems Thinking in Health Services and Implementation Science Research (CATALYST), The Ohio State University Wexner Medical Center

Saurabh Rahurkar, BDS, DrPH (Nov 2015 – Feb 2019)

Junior Research Scientist, Regenstrief Institute, Inc

Served as the primary mentor for Dr. Rahurkar who received his doctorate in public health from UAB.

Under mentorship, Dr. Rahurkar completed postdoctoral training in informatics with a focus on research in the area of health information exchange (HIE). Dr. Rahurkar particularly focused on developing a research agenda around measuring the impacts and outcomes of HIE.

Current Position: Assistant Professor, Center for the Advancement of Team Science, Analytics, and Systems Thinking in Health Services and Implementation Science Research (CATALYST), The Ohio State University Wexner Medical Center

Beatriz Rodrigues Lopes Vincent, MD, PhD (Jun - Sep 2017)

Visiting Faculty from Universidade do Estado do Rio de Janeiro, Faculdade de Ciências Médicas, Departamento de Tecnologias da Informação e Educação em Saúde (DTIES)

Hosted Dr. Vincent during her sabbatical at the Regenstrief Institute to pursue public health informatics research and collaborations with Regenstrief & IU Fairbanks School of Public Health

Susan M. Benson, MD, FRACP, FRCPA, FACHSM, Diploma of Clinical Epidemiology (Oct 2014)

Clinical Associate Professor, University of Western Australia School of Biomedical & Chemical Sciences

Hosted Dr. Benson and facilitated her learning about the Regenstrief Institute's efforts to transform medical education as well as health services research and biomedical informatics. Dr. Benson travelled on a 2014 Winston Churchill Memorial Trust Fellowship.

Grants, Contracts, and Research Projects

Active

Linking Data Across Clinical and Public Health Systems to Enhance Maternal and Child Health Surveillance in Indiana - Component B

Oct 2023 – Sep 2027

Centers for Disease Control and Prevention

Award No. NU01DD000026

This project will systematically improve and expand the capacity for longitudinal surveillance of pregnant persons and young children (ages 0-6 years) in Indiana in collaboration with state and local public health agencies. The project will link digital clinical and public health data to create a robust surveillance system that can be used by epidemiologists to more comprehensively understand the key risk factors associated with birth outcomes, specifically focused on neonatal abstinence syndrome (NAS), stillbirth, congenital syphilis, and COVID-related pregnancy outcomes.

VISION Vaccine Effectiveness (VE) Network (2.0)

Sep 2023 – Jun 2025

Centers for Disease Control and Prevention

Contract No. 75D30121D12779/75D30123F00001 (Westat, Inc.)

This network leverages electronic health records (EHRs) and vaccine registries from multiple sites/states to conduct real-world studies on vaccine effectiveness for COVID-19, influenza, and RSV. Data are extracted monthly to examine VE rapidly to inform vaccine policy and the public. Data are shared with CDC and published rapidly to support clinical and public health programs across the U.S.

Role: Co-Investigator

Vaccine Safety Datalink Project

Oct 2022 – Sep 2027

Centers for Disease Control and Prevention

Contract No. 75D30122D15424

Vaccine safety monitoring and evaluation meeting public health priorities for CDC. Work performed will be based on VSD project infrastructure activities, active surveillance and monitoring, and epidemiologic studies and evaluations.

Role: Principal Investigator

Advancing the Epidemiology and Management of Post-COVID-19 Conditions through Surveillance and Research

Sep 2022 – Sep 2027

Centers for Disease Control and Prevention

Cooperative Agreement No. NU58IP000004

We seek to develop a comprehensive, statewide surveillance system for post-COVID-19 Conditions (e.g., long COVID). First, we will define, extract, and validate a retrospective, population-level cohort of diverse individuals with SARS-CoV-2 infection. The cohort will expand over time, enabling measurement of incidence and prevalence of PCCs longitudinally. Second, we will recruit three age-based cohorts (<12 years, 12-17 years, 18+ years) to prospectively track individuals with recent SARS-CoV-2 infection to measure the burden and outcomes for individuals with long COVID.

Role: Co-Principal Investigator (with Shaun Grannis)

Cumulus: a universal research sidecar for a smart learning healthcare system

Sep 2022 – Dec 2023

Office of the National Coordinator of Health Information Technology

Contract No. 90AX0031

This project is evaluating the real-world performance in delivering patient data on populations, using the SMART/HL7 Bulk FHIR Access API, required in Electronic Health Records (EHRs) under the 21st Century Cures Act Rule. Regenstrief is one of 5 sites using the standard to pilot test sending data to public health agencies. The project is coordinated by Boston Children's Hospital.

Development and Evaluation of Patient Medical Summary From Health Information Exchange To Improve Dental Care

Apr 2022 – Mar 2026

NIDCR/NIH

Grant No. R01DE031259

This project aims to develop and evaluate a usable patient medical summary (PMS) imported from the state-wide community Indiana Health Information Exchange (IHIE) that updates a dental clinician about their patients' medical history and can be used even in solo- and small-group dental practice settings.

Role: Co-Investigator

Leveraging Electronic Health Data to Assess the Burden of Diabetes among Young Adults, part of Assessing the Burden of Diabetes By Type in Children, Adolescents and Young Adults (DiCAYA)

Sep 2020 – Sep 2025

Centers for Disease Control and Prevention

Grant No. U18DP006500

We will leverage an electronic health data network, representative of its underlying population, to better estimate incidence and prevalence of diabetes. The long-term objective of this project is to enhance access to information that can stimulate improving the surveillance, prevention, and management of diabetes across Indiana and the nation.

Role: Co-Principal Investigator (with Eneida Mendonca)

Improving Chronic Disease Surveillance and Management through the Use of EHRs and Health Information Systems (MENDS)

Aug 2020 – Jul 2024

National Association of Chronic Disease Directors/Centers for Disease Control and Prevention
Grant No. NU38OT000286

We will leverage an electronic health data network, representative of its underlying population, to estimate incidence and prevalence of hypertension and other chronic diseases. Surveillance data will be shared with clinical and public health partners to inform disease management as well as primary and secondary prevention strategies at the community level.

Role: Site Principal Investigator for Indiana University/Regenstrief Institute

The Indiana Training Program in Public & Population Health Informatics

Jul 2017 – Jun 2027

National Library of Medicine, National Institutes of Health

Grant No. T15LM012502 (Renewed in 2022 thru 2027)

The Indiana Training Program in Public & Population Health Informatics (PHI) seeks to train the next generation of pioneering PHI research scientists. Our program equips trainees with advanced methods to address informatics research challenges in the context of public and population health. Program participants receive multi-disciplinary training that enable them to apply a range of research methods to important use cases in PHI research, including understanding the etiology of disease, capturing and analyzing social determinants of health, assessing impact of policies related to information systems use, and developing infrastructures that influence decision-making while transforming health outcomes.

Role: Co-Principal Investigator

Completed

Estimating Gonorrhea and Chlamydia Treatment Rates in US Private Settings

Oct 2021 – Sep 2023

Centers for Disease Control and Prevention

Contract No. 75D301-21-C-73974

Using evidence from real-world administrative and clinical information systems, we will assess the percentage of patients with diagnosed gonorrhea (GC) or chlamydia (CT) who are treated with the recommended treatments in private settings.

Role: Principal Investigator

Virtual Network to Investigate the Trajectory of COVID-19-Related Severe Outcomes (1.0)

Jan 2021 – Sep 2023

Centers for Disease Control and Prevention

Contract No. 75D30120C07986 (Westat, Inc.)

This study is a collaborative network of organizations led by the CDC and Westat that will leverage EHR and HIE data from 11 sites across the country to evaluate COVID-19 vaccine effectiveness. Regenstrief provides data on a bi-weekly basis to Westat, who will utilize these data and data from other sites to conduct a set of common analyses primarily focusing on vaccine effectiveness. In partnership with CDC and Westat, we will conduct additional analyses on subpopulations of interest as well as emerging trends related to COVID-19 vaccines.

Role: Co-Investigator

Indiana Sickle Cell Data Collection Program

Sep 2020 – Sep 2023

Centers for Disease Control and Prevention

Grant No. NU58DD000020

We will leverage an electronic health data network, representative of its underlying population, to better estimate incidence and prevalence of sickle cell disease (SCD). The long-term objective of this project is to enhance access to information that can stimulate improving surveillance, prevention, and research on SCD across Indiana.

Role: Site Principal Investigator for Indiana University/Regenstrief Institute

Using the statewide registry of traumatic brain and spinal cord injuries to support population health surveillance and research in Indiana

Sep 2018 – Feb 2022

Indiana Spinal Cord & Brain Injury Research Fund, Indiana State Department of Health
Contract #29083

To accomplish the goals of this project, we will coordinate with the Indiana State Department of Health, Division of Trauma and Injury Prevention (ISDH) to 1) update and maintain a database for TBI/SCI research; and 2) provide ongoing consultation and technical assistance to support the development of analysis plans, extraction of research data from the database, performance of data analyses, and interpretation of study findings.

Role: Principal Investigator

The Indiana Addictions Data Commons [IADC]

Feb 2018 – Feb 2022

IUGC-Addictions (Grant PI: Newhouse, Project PI: Embi)

As part of IU's \$50 million commitment to prevent, reduce and treat addictions in Indiana, initial pilot grants feature collaborative teams of faculty members, researchers, community organizations and cross-sector partners. Together, the projects funded under the grant program are intended to address five focus areas of the statewide initiative. Dr. Embi's project' aim is to bring together comprehensive healthcare and non-healthcare data into a state-of-the-art data commons that will serve as the core data/information hub for characterizing the additions crisis, identifying correlated factors contributing to the crisis, and supporting evidence-based interventions, treatments, and prevention strategies.: ground-level data collection and analysis.

Role: Co-Investigator responsible for Governance and Services

Exploring the Utilization of and Outcomes from Health Information Exchange in Emergency Settings

Sep 2017 – Aug 2020

Agency for Healthcare Research and Quality

Grant No. R21HS025502

The objective of the study is to better understand the usage and impact of HIE through mixed methods involving an objective and longitudinal analysis of individual user behavior and an inductive analysis of the facilitators and barriers to usage in the context of emergency care. The specific aims include: 1) Characterize HIE use within a mature HIE over time; 2) Explore the antecedents to HIE use; and 3) Quantify the association between HIE use and potentially avoidable utilization of health care services.

Role: Principal Investigator

Regional Data Exchange to Improve Care for Veterans after Non-VA Hospitalization

Feb 2016 – Aug 2020

Department of Veterans Affairs (VA), Health Services Research & Development Service

Grant No. I01HX001563

The objective of this study is to examine the impact of VA provider notification when older veterans utilize non-VA inpatient or ED services, and to compare the effect of notification plus geriatric care coordination versus notification alone on VA and non-VA costs. In addition, we will evaluate the implementation of, including barriers and facilitators to, real-time VA provider notification of non-VA hospital admission or ED visit and post-hospital geriatric care coordination to identify opportunities for improvement among relevant stakeholders.

Role: Indianapolis VAMC Site Principal Investigator

Building Capacity for Public Health Surveillance in Africa

Jan 2019 – Jan 2020

Emory University / Africa CDC

Contract No. A236833

The Africa CDC Institute for Workforce Development (IWD) was established to strengthen public health workforce in Africa through training of public health professionals already working at National Public Health Institutes, Ministries of Health and other related institutes in African Union Member States. Dr. Dixon's role was to develop the Informatics modules within the Transforming Public Health Surveillance course.

A dashboard to monitor the hepatitis C care cascade in Indiana; a state planning grant to eliminate viral hepatitis

February 2019 – December 2019

Association for State and Territorial Health Officials

Contract Number 35464

In coordination with the Indiana State Department of Health, we will develop a care cascade for Hepatitis C as well as dashboard to visualize the cascade. Data gathered from public as well as private health system medical records will populate the case and dashboard. The dashboard will be leveraged by state public health professionals to support efforts to identify, diagnose, treat and suppress viral hepatitis C in the State of Indiana.

Role: Principal Investigator

Assessing Adherence to and Impact of Syphilis Testing in Pregnancy

Sep 2018 – Sep 2019

Centers for Disease Control and Prevention

Contract No. 00HCVJD1-2018-27268

To extract and link data over a 10-year period from a community-wide health information exchange (HIE) to 1) identify women with live birth or stillbirth; 2) assess prenatal care and prenatal syphilis testing practices for all women with live or stillbirth; 3) assess syphilis testing practices after delivery for women with stillbirth; and 4) review medical charts for syphilis-related services for women who had confirmed syphilis or treated syphilis during their pregnancies or who had stillbirth or congenital syphilis children.

Role: Principal Investigator

An Integrated Curriculum in Informatics and Data Science for Biomedical Researchers

Sep 2018 – Jun 2019

National Library of Medicine, National Institutes of Health

Grant No. T15LM012502-02S1

We seek to enhance the T32 training infrastructure at IUPUI by developing an integrated curriculum for data science available to all biomedical and clinical scholars at IUPUI regardless of their T32 program "home." Today none of the existing T32 programs incorporate formal training in biomedical informatics or data science. Working with T32 faculty from across the campus, we will develop informatics and data science learning pathways for pre-doctoral, post-doctoral and clinical scholars at IUPUI.

Role: Principal Investigator

Validation study on ICD-9 and ICD-10 codes for chlamydia, gonorrhea, and syphilis

Oct 2017 – Dec 2018

Centers for Disease Control and Prevention

Contract No. 200-2017-M-94698

While research focused on sexually transmitted diseases (STDs) has used administrative data to examine care delivery, screening, prevalence and risk factors; the ability of these data to accurately identify STD cases has remained largely unexamined. Using data from a community-based HIE integrated with morbidity data from the Marion County Public Health Department for individuals with three common STDs, we will assess the validity of administrative codes found in electronic health records.

Role: Principal Investigator

Strengthening Data Science Curriculum at Indiana University

Sep 2017 – Dec 2018

National Library of Medicine, National Institutes of Health

Grant No. T15LM012502-01S1

Like in many institutions of higher education, data science courses relevant for our T15 trainees are taught by faculty who lack the combined domain expertise to train individuals on both the mechanics of a method (e.g., machine learning) and its application to population health (e.g., phenotyping using data from electronic health records). Therefore we seek to strengthen the curriculum by developing population health datasets and course materials that can be incorporated into existing courses for T15 trainees at Indiana as well as other T15 sites.

Role: Co-Principal Investigator

Development of an Electronic Health Record Repository for Traumatic Brain and Spinal Cord Injuries in Indiana: Toward a Rapid-Learning Health System

May 2014 – Jun 2018

Indiana Spinal Cord and Brain Injury Research Board, Indiana State Department of Health

To accomplish the goals of this project, we will coordinate with the Indiana State Department of Health, Division of Trauma and Injury Prevention (ISDH) to 1) update and maintain a database for TBI/SCI research; and 2) provide ongoing consultation and technical assistance to support the development of analysis plans, extraction of research data from the database, performance of data analyses, and interpretation of study findings.

Role: Principal Investigator

Advancing Methods to Measure and Improve the Quality of Large Scale Health Data

Sep 2015 – May 2018

National Library of Medicine, National Institutes of Health

Grant No. R21LM012219

This project will 1) extend the Automated Characterization of Health Information at Large-scale Longitudinal Evidence Systems (ACHILLES) software to measure the quality of data electronically reported from disparate information systems to public health agencies for disease surveillance; and 2) apply the ACHILLES extensions to explore the quality of data captured from multiple real-world hospitals, laboratories, and clinics.

Role: Principal Investigator

Establishing a collaborating research center at Indiana University to improve population health integrated services and advanced analytics

Mar 2016 – May 2018

Robert Wood Johnson Foundation

The objective of this project is to determine the impact of social, behavioral, and medical integrated services supported by analytics on the health of an urban safety-net population. The project will focus on three aims: 1) determine the impact of integrated service delivery on health outcomes in a safety-net population; 2) determine the impact of community, population and public health advanced analytics in identifying and linking patients to needed integrated services; and 3) identify the benefits and challenges of public health participation in case conferences.

Role: Co-Investigator

Assessing Adherence to and Impact of Syphilis Testing in Pregnancy and STD Medical Examinations in Immigrants and Refugees

Oct 2016 – Sep 2017

Centers for Disease Control and Prevention

Contract No. 200-2016-M-92342

Using data over a 10-year period from a community-wide health information exchange (HIE) we sought to 1) identify women with live birth or stillbirth; 2) assess prenatal care and prenatal syphilis testing practices for all women with live or stillbirth; and 3) assess syphilis testing practices after delivery for women with stillbirth.

Role: Principal Investigator

Improving Population Health through Enhanced Targeted Regional Decision Support,
Oct 2011 – Sept 2017

Agency for Healthcare Research and Quality (AHRQ)
Grant No. 5R01HS020209

The objective in this project is to improve the effectiveness of acute and preventative care processes by improving information sharing and data quality among healthcare providers and population health stakeholders using novel decision support tools. These tools will deliver reminders to clinical providers using pre-populated reportable condition forms that contain patient demographics and pertinent case management information. Further, this research will investigate the process and effects of deploying a framework to integrate HIE data captured from present and previous clinical encounters to improve the identification and reporting of conditions of population health significance.

Role: Principal Investigator

Evaluation of DOH Capacity for Using EHR Data for Cardiovascular Disease Surveillance
Jan 2017 – Jun 2017

Public Health Informatics Institute / Centers for Disease Control and Prevention

The project goals include 1) enhance public health capacity to use electronic health record (EHR) data for hypertension surveillance, 2) use EHR data to meaningfully inform public health activities to reduce the risk for heart attacks, strokes, and other adverse chronic disease outcomes, and 3) document lessons learned in technical guidance material designed to help public health agencies use EHR data for hypertension surveillance.

Role: Principal Investigator

Evaluation of VLER-Indiana Health Information Exchange (IHIE) Demonstration,
Apr 2012 – Oct 2016

Department of Veterans Affairs (VA), Health Services Research & Development Service
Grant No. IIR 11-058

Aims are to study the effect of the VA-IHIE demonstration project upon the quality and cost of care among Veterans. Quality will be measured in terms of ambulatory care performance measures likely sensitive to HIE, as well as potential overuse, representative of unnecessary repeated, redundant testing.

Role: Co-Investigator

Improving Vaccine-Preventable Disease Reporting and Surveillance through Health Information Exchange (RWJF/PHSSR/MRSDA), Jan 2014 – Dec 2015

Robert Wood Johnson Foundation's Public Health Services and Systems Research Program, Mentored Research Scientist Development Award

RWJF Award No. 71596

Given rapid growth in the deployment and use of integrated, computerized information infrastructures that have the capacity for improving disease reporting, we examined the deployment of an intervention that can pre-populate provider-based case reporting forms using data from a health information exchange (HIE) for vaccine preventable diseases.

Role: Principal Investigator

Leveraging Integrated Electronic Data Sources to Improve Population Health Assessment at Local Levels (RWJF/PHSSR), Sep 2013 – Sep 2015

Robert Wood Johnson Foundation's Public Health Services and Systems Research Program
RWJF Award No. 71271

This project integrated electronic health record and community information system data to generate HEDIS-like population health indicators at various geographic levels smaller than a county. Lessons and outcomes of the project provided insight on the feasibility and validity of using integrated electronic health data with neighborhood level information to improve community assessment.

Role: Principal Investigator

STD Testing, Management, and Related Clinical Outcomes in a Large Metropolitan Community,
Oct 2013 – Jun 2015

Centers for Disease Control and Prevention (CDC)
Contract No. 200-2011-42027 0003

This project developed a registry that includes variables collected over a 10-year period from a community-wide health information exchange (HIE) to create both population-based cross-sectional and cohort samples to study access, utilization, and quality of STD services and to study the association between STDs, STD healthcare service provision, and adverse outcomes.

Role: Principal Investigator

HPV Vaccination: An Investigation of Physician Reminders and Recommendation Scripts,
Feb 2014 – Jan 2015

Merck-Regenstrief Program in Personalized Health Care Research and Innovation
Project 14

This project implemented a computer-based clinical decision support (CDS) intervention to address inadequate HPV vaccination rates of young adolescent males and females. Health care providers at five community clinics were randomized to one of three arms: control, CDS, or CDS plus suggested script for engaging patients.

Role: Co-Investigator

Interoperable Data Exchange with LOINC: Learning from the Crowd, Mar 2012 – Mar 2014

Indiana Clinical and Translational Sciences Institute (CTSI)

This project seeks to enhance the RELMA mapping program with features that will tap into the “wisdom of the crowd” of the LOINC community and also provide a peer-review feedback mechanism.

Role: Co-Principal Investigator

Improving Medication Adherence in Type 2 Diabetes Using Integrated e-Technology,
Sep 2012 – Dec 2013

National Institutes of Health (NIH)
Grant. No. 1R34DK092769

This project developed and tested a clinical decision support system for primary care to assist with identifying, monitoring, and addressing problems with medication adherence in patients with Type 2 diabetes. This system includes an algorithm that objectively assesses patient oral medication adherence based on aggregate patient medication history from an electronic health record (EHR) system as well as behavioral and psychological data entered by patients in a web-based portal.

Role: Co-Investigator

Lyme Disease in Veterans: Epidemiology & Economic Burden, Oct 2012 – Oct 2013

Centers for Disease Control and Prevention (CDC)
Contract No. 200-2011-42027 0002

This project supported the CDC in identifying and examining the prevalence of Lyme disease within Veteran populations.

Role: Principal Investigator

Clinical Decision Support Consortium (CDSC), Jul 2010 – Jul 2013

Agency for Healthcare Research and Quality (AHRQ)
Contract No. HHS2902008100010

Demonstrate technologies developed for the CDSC in primary care practice locations in Indianapolis, Indiana utilizing the Regenstrief CareWeb EHR application. Support the CDSC’s ongoing work to develop and evaluate open knowledge management platform for decision support tools.

Role: Co-Investigator

Indiana Center of Excellence in Public Health Informatics, Sep 2009 – Aug 2012

Centers for Disease Control and Prevention (CDC)

Grant No. 501HK000077

The project advanced public health informatics through development and maintenance of preeminent research, education, and practice.

Role: Co-Investigator

Transforming Special Collections, Aug 2011 – Jul 2012

Institute of Museum and Library Services, Sparks! Ignition Grants for Libraries

This project tested a new way of using open technical standards (RDF, OWL) to overcome common problems that many libraries and archives face when digitizing historic collections.

Role: Consultant

Authorized Release of Medical Information through Integration with the Nationwide Health Information Network (NHIN), Mar 2010 – Jun 2012

Social Security Administration (SSA)

Contract No. SS00-10-60031

This project enhanced the disability determination process through the exchange of electronic health record (EHR) data between health care providers and SSA.

Role: Project Director

Accelerating Public Health Situational Awareness through Health Information Exchanges, Oct 2008 – Feb 2011

Centers for Disease Control and Prevention (CDC)

Contract No. 200-2008-24368

This project involved the creation, use, and evaluation of novel informatics applications in public health for the detection and response to disease outbreaks within a health information exchange.

Roles: Project Manager and Researcher

National Health Information Network (NHIN) Trial Implementations, Oct 2007 – Jan 2011

Office of the National Coordinator for Health Information Technology (ONC)

Contract No. HHSP23320074102EC

This project developed technology infrastructure for the Nationwide Health Information Network, a network of regional health information exchanges and large integrated delivery networks.

Roles: Project Manager, Standards Developer, Researcher

Care Transitions: Continuity Assessment Record and Evaluation Health Information Exchange Project, Sep 2009 – Nov 2010

Centers for Medicare and Medicaid Services (CMS)

Contract No. HHSM-500-2007-00018I

This project developed and tested novel methods for improving transitional care. The NHIN will served as the platform for the project, with three health information exchanges to capture and exchange health information with CMS for the purpose of monitoring Medicare beneficiaries as they are transferred between care settings (e.g., inpatient, nursing home, ED, rehab).

Roles: Project Manager and Business Analyst

SHINE Project (Statewide HIV/AIDS Information Network), Oct 2008 – Mar 2010

National Library of Medicine (NLM)

Contract No. 00-608-6700

The SHINE Project created and distributed Internet-based information resources to clinicians, public health professionals, and the general public regarding prevention, treatment, and management of HIV/AIDS.

Role: Web Architect / Designer, Usability Evaluator

National Resource Center for Health Information Technology, Sep 2004 – Sep 2009

Agency for Healthcare Research and Quality (AHRQ)

Contract No. 290-04-0016

This project supported the Agency and its Health IT Portfolio through technical assistance, portfolio management, research, and Web site development. Many aspects of the project involved the creation and dissemination of synthesis reports related to AHRQ-funded project findings, the adoption and use of health information technologies, and the impact of health IT on patient safety, quality, and effectiveness of care. Roles: Project Manager, Researcher, Knowledge Manager

Professional Appointments and Service

Leadership Positions within Professional Societies and Committees

Co-Editor, Special Section on Digital Health for Precision Prevention, 2024 Yearbook of Medical Informatics, International Medical Informatics Association (IMIA), 2023-2024

- Reviewed candidate papers published in 2023 for “Best” recognition
- Managed selection process for “Best” papers as well as editorship of the invited review paper
- Co-Authored synopsis paper summarizing state of the science and selected “Best” papers

Co-Chair, Scientific Program Committee, Rebuilding the Nation’s Public Health Informatics Infrastructure, American College of Medical Informatics (ACMI), 2022 Winter Symposium

- Oversight of the agenda and scientific sessions (invited)
- Managed connections with key leaders in the field to secure speakers and attendees
- Recruited SPC members to committee to support the development of agenda.

Co-Editor, Special Section on Inclusive Digital Health: Addressing Bias, Equity, and Literacy to Strengthen Health Systems, 2022 Yearbook of Medical Informatics, International Medical Informatics Association (IMIA), 2021-2022

- Reviewed candidate papers published in 2021 for “Best” recognition
- Managed selection process for “Best” papers as well as editorship of the invited review paper
- Co-Authored synopsis paper summarizing state of the science and selected “Best” papers

Co-Editor, Special Section on Pandemic Health Informatics, 2021 Yearbook of Medical Informatics, International Medical Informatics Association (IMIA), 2020-2021

- Reviewed candidate papers published in 2020 for “Best” recognition
- Managed selection process for “Best” papers as well as editorship of the invited review paper
- Co-Authored synopsis paper summarizing state of the science and selected “Best” papers

Chair, Modeling and Epidemiology Committee, Indiana Pandemic Information Collaborative (IPIC), April 2020 – June 2021

- Facilitated meetings involving university, health systems, public health agencies, private sector organizations
- Planned agendas, presented evidence reviews, managed group activities

Chair, Selection Committee, Assistant Professor of Public Health Informatics, Department of Epidemiology, IU Richard M. Fairbanks School of Public Health, Jul – Dec 2019

- Reviewed candidate materials and coordinated interviews as well as on-campus visits
- Interviewed candidates and reconciled candidate strengths and weaknesses
- Managed selection process, including collaboration w Regenstrief

Chair, Selection Committee, Lecturer in Epidemiology, Department of Epidemiology, IU Richard M. Fairbanks School of Public Health, Jul – Dec 2019

- Reviewed candidate materials and coordinated interviews as well as on-campus visits
- Interviewed candidates and reconciled candidate strengths and weaknesses
- Managed selection process

Chair, Library Affairs Committee, IUPUI Faculty Council, Indiana University-Purdue University Indianapolis, Jul 2016 – Jun 2019

- Facilitate discussion of issues and challenges facing library services as well as digital scholarship facing the faculty at IUPUI
- Represent the voice and position of faculty with respect to library affairs in meetings with campus and university officials

Informatics Track Co-Chair, Scientific Program Committee, Annual Conference, International Society for Disease Surveillance, 2013 – 2015 and 2017 – 2019

- Managed selection of abstracts for the Informatics track

President, Faculty Council, Fairbanks School of Public Health, Indiana University-Purdue University Indianapolis, Jul 2017 – Jun 2018

- Represent faculty views, positions and issues in meetings with School, IUPUI campus, and university-wide officials
- Plan and coordinate forums to discuss faculty governance issues, provide timely information to faculty on issues facing them, and establish effective faculty governance policies
- Serve on the executive committee for faculty governance

Vice Chair for Public Health Informatics, Scientific Program Committee, Annual Symposium, American Medical Informatics Association, 2017 Symposium

- Oversight in the selection of PHI sessions for presentation at the conference
- Managed the review process for PHI submissions
- Recruited SPC members to review PHI submissions

Chair, Selection Committee, Open Rank Faculty Position in Clinical Epidemiology, Department of Epidemiology, IU Richard M. Fairbanks School of Public Health 2016-2017

- Reviewed candidate materials and coordinated interviews as well as on-campus visits
- Interviewed candidates and reconciled candidate strengths and weaknesses
- Managed selection process, including collaboration w Regenstrief and IU School of Medicine

Chair, Scientific Program Committee, Annual Conference, International Society for Disease Surveillance, 2016 Conference

- Oversight in the selection of abstracts for presentation at the conference
- Managed SPC meetings and review processes
- Served as liaison to ISDS Board of Directors
- Key decision maker regarding conference venue, schedule, keynote speakers, pre-conference program, conference theme, membership of SPC, and call for proposals

Chair, Educational Technology Taskforce, Fairbanks School of Public Health, Indiana University-Purdue University Indianapolis, 2015 – 2016

- Facilitate educational technology acquisition and usage discussions as well as planning for the School amongst faculty and staff
- Review, catalog and monitor technology usage in the classroom to facilitate planning
- Make recommendations to the Dean and faculty with respect to educational technology

Chair, Annual Conference Education Committee (ACEC), Health Information Management Systems Society, Jul 2013 – Jun 2014

- Oversight in the selection of abstracts for presentation at the conference
- Managed ACEC meetings and review processes, including revision of submission topics and guidelines
- Served as liaison to HIMSS Leadership Team

Chair, Colloquia Committee, School of Informatics and Computing, Indiana University-Purdue University Indianapolis, Jan 2013 – Jun 2014

- Facilitated selection of external speakers for the School’s colloquia on a broad range of informatics sub-disciplines and applications
- Responsible for committee budget

President, American Society for Public Administration, Indiana Chapter, 2008 – 2013

- Provided guidance and oversight on budgetary and programming activities
- Planned and managed 2-3 chapter events each year
- Worked with the National ASPA organization to cultivate an environment for the growth and development of public administration in Indiana
- Organized and facilitated meetings of chapter membership
- Founded the Indiana Public Service Awards

Facilitator, Public Policy Invitational Meeting, American Medical Informatics Association, Dec 2012

- Facilitated discussion in breakout groups
- Synthesized meeting notes and discussions

Chair, Nationwide Health Information Network Specifications Factory Profile Development Team, Office of the National Coordinator for Health Information Technology, 2009 – 2010

- Managed team of diverse technical experts in the development of specifications to enable interoperable health care data exchange
- Authored and edited technical specifications documents for the Nationwide Health Information Network (NwHIN Exchange)
- Planned and facilitated meeting agendas

Committees and Working Groups

Active

Joint Public Health Informatics Task Force (JPHIT), Representing the American Medical Informatics Association (AMIA), October 2023 – Present

- Provide updates on AMIA activities relevant to public health informatics
- Discuss timely, emerging issues facing the public health informatics community
- Work collaboratively with other public health informatics organizations to address issues
- Report public health informatics community efforts back to AMIA leadership

Yearbook of Medical Informatics Editorial Board, International Medical Informatics Association (IMIA), July 2023 – June 2024

- Review candidate papers published in Yearbook as “Best” papers published in field
- Establish Yearbook theme and provide oversight of selection process

Walther-Regenstrief Endowed Chair in Cancer Informatics Search Committee, Regenstrief Institute, June 2023 – Present

- Solicited opportunity to biomedical informatics professional networks
- Reviewed candidate materials to assess for fit with Cancer Center and campus needs/goals
- Interviewed candidates and reconciled candidate strengths and weaknesses
- Presented a list of strong candidates to the Cancer Center Director

Data Modernization Initiative (DMI) Stakeholder Advisory Group, Data Across Sectors for Health (DASH), National Network of Public Health Institutes (NNPHI), May 2023 - Present

- Advise on technical assistance offerings to jurisdictions

- Advise on DMI-related meetings and activities

Scientific Committee, 6th Annual eHealth Workforce Development Conference, GCC Taskforce on Workforce Development in Digital Healthcare, Dubai UAE, April 2023 – November 2023

- Advised on critical topics for the conference agenda
- Suggested international speakers to present at the conference
- Reviewed and discussed Zimam Digital Health Award applicants
- Recommended applicants for annual Zimam Digital Health Awards

Search Committee, Department of Health Policy & Management, IU Fairbanks School of Public Health, April 2023 - Present

- Reviewed candidate materials to assess for fit with department and campus needs/goals
- Interviewed candidates and reconciled candidate strengths and weaknesses
- Presented a list of strong candidates to the Chair

Planning Committee, Future of Pandemic Prevention and Response Workshop, Computing Community Consortium, January 2023 – September 2023

- Designed agenda and learning objectives
- Nominated speakers and attendees for the workshop
- Attend workshop to provide subject matter expertise

Sabbatical Leaves Committee, Indiana University-Purdue University Indianapolis, July 2022 – Present

- Reviewed applicant materials as primary, secondary, and tertiary reviewer (4-6)
- Recommended faculty for sabbatical based on submitted materials

Search Committee, Department of Biostatistics and Health Data Science, IU School of Medicine, March 2022 - Present

- Reviewed candidate materials to assess for fit with department and campus needs/goals
- Interviewed candidates and reconciled candidate strengths and weaknesses
- Presented a list of strong candidates to the Chair

Executive Committee, American College of Medical Informatics (ACMI), December 2020 – Present

- Served on strategic planning execution committee
- Provided strategic input on association activities

MPH Admissions Committee, IU Fairbanks School of Public Health, January 2019 – Present

- Review and vote on applicants to MPH degree programs at FSPH
- Advise peers and faculty council on proposed changes to the MPH curricula, including but not limited to how best to ensure students are prepared for the workforce and courses align with CEPH criteria

Masters Curriculum Committee, IU Fairbanks School of Public Health, October 2018 – Present

- Advise Dean's Office staff on strategies for improving graduate education programs, including recruitment, retention, and graduation rates.
- Review and provide feedback on proposed changes to Masters degrees at FSPH
- Suggest and develop improved curricula for Masters degrees at FSPH

Preparing Future Faculty Advisory Board, Indiana University-Purdue University Indianapolis, 2017 –Present

- Advise PFF Director on strategies for engaging graduate students and faculty
- Review and provide feedback on planned workshops, events, and program requirements

Completed

Promotion and Tenure Committee, IU Fairbanks School of Public Health, July 2022 – June 2023

- Reviewed candidate materials to assess for fit with school and campus criteria for P&T
- Provided feedback to junior faculty on their third-year reviews and dossiers

Yearbook of Medical Informatics Editorial Board, International Medical Informatics Association (IMIA), July 2020 – 2022

- Review candidate papers published in Yearbook as “Best” papers published in field
- Establish Yearbook theme and provide oversight of selection process

Search Committee, Chair, Department of Biostatistics and Data Science, IU School of Medicine, March 2021 – June 2021

- Reviewed candidate materials to assess for fit with department and campus needs/goals
- Interviewed candidates and reconciled candidate strengths and weaknesses
- Presented a list of strong candidates to the Dean

University Restart Committee, Indiana University, April 2020 – June 2021

- Review and discuss the evolving evidence on COVID-19 mitigation strategies for continuing university operations, including teaching and research
- Make recommendations to the IU President on mitigation strategies to ensure safety and well being of IU students, faculty, and staff while continuing operations
- Develop and publish university restart guidelines based on committee consensus around mitigation strategies

Search Committee, Open Rank Tenure Track Faculty Positions in Data Science for the Precision Health Initiative, IU School of Medicine, September 2018 – June 2021

- Reviewed candidate materials to assess for fit with faculty and campus needs/goals
- Interviewed candidates and reconciled candidate strengths and weaknesses

Health Information Exchange Task Force, Africa Centers for Disease Control and Prevention, Africa Union, January 2020 – March 2021

- Develop guiding documents for policy and technical standards that will enable electronic exchange of health information for integrated disease surveillance across Africa

Search Committee, Director of LOINC, Regenstrief Institute, 2020

- Review candidate materials to assess for fit with program needs/goals
- Interviewed candidates and reconciled candidate strengths and weaknesses

Trailblazer Award Committee, Office of the Vice Chancellor for Research, Indiana University-Purdue University Indianapolis, February 2020

- Reviewed and scored applications for the 2020 Research Frontiers Trailblazer Award

Executive Committee, Public Health Informatics Working Group, American Medical Informatics Association, 2010 – 2020 (Appointed by Committee Chair)

- Worked with the Chair to plan meeting agendas
- Coordinated working group activities
- Assisted with responses to requests for information (RFIs) on matters relevant to the public health informatics working group

Scientific Program Committee, MEDINFO 2019, International Medical Informatics Association, Nov 2018 – Aug 2019

- Facilitated the review process for papers and abstracts
- Recruited and managed conference paper and abstract peer-reviewers

Board of Directors, International Society for Disease Surveillance, Jan 2019 – Jul 2019 (Elected by ISDS Membership)

- Provide strategic guidance for the operations and closing of the organization
- Provide oversight of Executive Director
- ISDS had to shut down in July 2019 due to a lack of stable funding caused by a myriad of factors including highly variable funding for public health organizations

Library Affairs Committee, IUPUI Faculty Council, Indiana University-Purdue University Indianapolis, Jul 2014 – Jun 2019

- Provide strategic guidance on policies and resources for the IUPUI University Library

Search Committee, Dean of the University Library, Indiana University-Purdue University Indianapolis, Sep 2018 – May 2019

- Reviewed candidate materials to assess for fit with faculty and campus needs/goals
- Interviewed candidates and reconciled candidate strengths and weaknesses

Scientific Program Committee, Annual Conference, International Society for Disease Surveillance, Aug 2013 – Jan 2019 (Appointed by Conference Chair)

- Facilitated the review process for papers and abstracts
- Recruited and managed conference paper and abstract peer-reviewers
- Assisted with the design and execution of the conference programming

Task Force on Library Procurement Strategies, IUPUI Faculty Council, Indiana University-Purdue University Indianapolis, May 2018 – Jun 2018

- Review the fiscal issues that the University Library (UL) faced in the short and long term
- Consider the relative advantages and disadvantages of alternative strategies for funding UL
- Make recommendations to campus leadership on short, medium and long term strategies

Behavioral & Population Sciences PDT (Proposal Development Team), Indiana Clinical and Translational Sciences Institute, Jul 2015 – Jun 2018

- Review early stage research proposals and provide constructive criticism to improve them
- Support the development of behavioral and population health science research on campus

Research Affairs Committee, Faculty Council, IUPUI, Jul 2014 – Jun 2018

- Provide strategic guidance on research policies and procedures for the university

BioSense 2.0 Governance Group, Centers for Disease Control and Prevention (CDC), May 2014 – Jun 2018 (Elected by Vote of Biosense 2.0 User Community)

- Advocate for responsible use of public health data and advanced informatics capacity for improving population health within the Biosense 2.0 environment
- Represent and facilitate dialogue between clinical and health information organizations and the CDC's BioSense program

Minnesota Health Information Exchange Legislative Study Steering Team, Minnesota Department of Public Health, Jan 2017 – Jan 2018

- Provide guidance and advice to study team throughout the process of examining existing HIE policy, business drivers for HIE, use of HIE, and impact of HIE in Minnesota
- Contribute to the interpretation of findings and development of policy recommendations

AHIMA Informatics Committee, American Health Information Management Association (AHIMA), Jan 2017 – Jun 2017

- Provide guidance to AHIMA on its ideal role in the training of the informatics workforce.
- Create a strategy for AHIMA to support training the informatics workforce.

Preconference Symposia on Interoperability and Health Information Exchange, HIMSS17, Health Information Management Systems Society (HIMSS), Jul 2016 – Jun 2017

- Planned symposia details, including session themes, learning objectives, and format
- Recruited and provided guidance to speakers participating in the symposia

Selection Committee, Faculty Candidate, Health Informatics, School of Informatics and Computing, Indiana University-Purdue University Indianapolis, Sep 2015 – Jun 2016

- Reviewed candidate materials and assisted with preparations for on-campus visits
- Interviewed candidates and reconciled candidate strengths and weaknesses

Interoperability and Health Information Exchange Committee, Health Information Management Systems Society (HIMSS), Jul 2015 – Jun 2016 (Appointed by HIMSS Board of Directors)

- Provide strategic guidance on best practices, technologies, and emerging trends

Distance Education Committee, Health Information Management Systems Society (HIMSS), Jul 2014 – Jun 2015 (Appointed by HIMSS Board of Directors)

- Provide strategic guidance on best practices, technologies, and emerging trends to optimize distance education

Selection Committee, Junior and Senior Research Scientists, Center for Biomedical Informatics, Regeneron Institute, 2013-2014 (Appointed by Center Director)

- Reviewed candidate materials and interviewed candidates
- Reconciled candidate strengths and weaknesses

Selection Committee, Chief Research Informatics Officer, Center for Biomedical Informatics, Regeneron Institute, 2013-2014 (Appointed by Center Director)

- Reviewed candidate materials and interviewed candidates
- Reconciled candidate strengths and weaknesses

Selection Committee, Director, Human Factors-HCI Lab, Center for Health Information and Communication, HSR&D Service, VA Medical Center, 2013-2014

- Reviewed candidate materials and interviewed candidates
- Reconciled candidate strengths and weaknesses

Faculty Policy Committee, Department of BioHealth Informatics, School of Informatics and Computing, Indiana University-Purdue University Indianapolis, 2013 – 2014

- Reviewed and authored recommended changes to faculty-related policies and procedures for presentation to the School's Faculty Council

Selection Committee, Chair, BioHealth Informatics Department, School of Informatics and Computing, Indiana University-Purdue University Indianapolis, 2013

- Reviewed candidate materials and interviewed candidates
- Reconciled candidate strengths and weaknesses

Public Policy Committee, American Medical Informatics Association, 2012 – 2016 (Appointed by AMIA Board of Directors)

- Authored comments on proposed national legislation on behalf of AMIA
- Authored position statements regarding informatics topics for the AMIA Website
- Liaison between the AMIA and external groups

Annual Conference Education Committee (ACEC), Health Information Management Systems Society (HIMSS), 2012 – 2014 (Appointed by HIMSS Board of Directors)

- Facilitated selection of conference abstracts for presentation in the areas of population health and health information exchange
- Mentored first-time presenters

Selection Committee, Executive Associate Dean, School of Informatics and Computing, Indiana University-Purdue University Indianapolis, 2012 – 2013

- Reviewed candidate materials and interviewed candidates
- Reconciled candidate strengths and weaknesses

Colloquia Committee, School of Informatics, Indiana University-Purdue University Indianapolis, 2012 – 2014

- Reviewed nominations of external speakers for the School's colloquia on a broad range of informatics sub-disciplines and applications
- Hosted invited speakers for the sub-discipline of biomedical and health informatics

Faculty Affairs Committee, School of Informatics, Indiana University-Purdue University Indianapolis, 2011 – 2013

- Reviewed and authored recommended changes to faculty-related policies and procedures for presentation to the School's Faculty Council

Scientific Program Committee, 2012 Annual Symposium, American Medical Informatics Association, 2011 – 2012 (Appointed by Conference Chair)

- Facilitated the review process for papers and abstracts submitted in the domain of health information exchange and interoperability
- Recruited and managed conference paper and abstract peer-reviewers
- Assisted with the design and execution of the conference programming

Campaign for Informatics Faculty and Staff Committee, School of Informatics, Indiana University-Purdue University Indianapolis, 2011 – 2012

- Provided guidance on engaging faculty and staff in campaign
- Facilitated discussions with potential faculty and staff donors

Selection Committee, Faculty Candidate, Health Informatics, School of Informatics, Indiana University-Purdue University Indianapolis, 2011 – 2012

- Reviewed candidate materials and assisted with preparations for on-campus visits
- Interviewed candidates and reconciled candidate strengths and weaknesses

Invited Expert, Public Health Informatics Conference, American Medical Informatics Association, May 2011 (Appointed by Conference Chair)

- Facilitated discussion in breakout groups
- Synthesized meeting notes and discussions

Nationwide Health Information Network Policy & Technical Task Group, Office of the National Coordinator for Health Information Technology (ONC), 2010 – 2012

- Provided guidance to NWHIN Exchange Coordinating Committee on technical issues related to development, maintenance, and operations of national standards for interoperability in health care data exchange
- Reviewed and edited policy statements, operations guides, and strategic plans for nationwide health data exchange as requested by the Coordinating Committee

Steering Committee, Invitational Policy Conference, American Medical Informatics Association, 2010 (Appointed by Conference Chair)

- Planned meeting schedule, topics, speakers, and logistics
- Facilitated discussion in breakout groups

Study Sections

Special Emphasis Panel, Individual Training Grant Applications (K08, K23 for PA20-205), National Eye Institute, National Institutes of Health (NIH), November 2020

Review of Investigator-Initiated Grant from the Israel Science Foundation (ISF), May 2019

Special Emphasis Panel, Extramural Loan Repayment Program for Health Disparities Research (NOT-OD-18-199), National Institute on Minority Health and Health Disparities, National Institutes of Health (NIH), April 23-25, 2019

Special Emphasis Panel, Early Psychosis Intervention Network (RFA-MH-19-150 and RFA-MH-19-151), National Institute of Mental Health, National Institutes of Health (NIH), February 21, 2019

KACST ARGP-BRGP Proposal Review Round 2, RDO International Collaboration Initiative, AAAS Research Competitiveness Program, American Association for the Advancement of Science (AAAS), February 2019

Special Emphasis Panel, Advanced Laboratories for Accelerating the Reach and Impact Research Centers (PAR-16-354), National Institute of Mental Health, National Institutes of Health (NIH), October 27, 2017

Research Support Funds Grant (RSFG) Program, IUPUI, Summer 2017

Scientific Merit Review Board for Healthcare Informatics (HSR3), Health Services Research and Development (HSRD) Service, Office of Research and Development (ORD), Department of Veterans Affairs (VA), March 7-8, 2017.

Scientific Merit Review Board for Healthcare Informatics (HSR3), Health Services Research and Development (HSRD) Service, Office of Research and Development (ORD), Department of Veterans Affairs (VA), August 23-26, 2016.

Review of R01s, R21s, R15s and K01s for the Biomedical Computing and Health Informatics Study Section (BCHI), Center for Scientific Review, National Institutes of Health (NIH), February 5, 2016

Special Emphasis Panel, State Occupational Health and Safety Surveillance Program (PAR-14-275), National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC), December 1-4, 2014.

Predocctoral and Postdoctoral Scholars in Public Health Delivery (PPS-PHD), Public Health Services and Systems Research (PHSSR) National Coordinating Center, Robert Wood Johnson Foundation, August 2014.

Multidisciplinary Undergraduate Research Institute (MURI), IUPUI, Summer 2014

Rapid Response Proposals (RRPs), Quality Enhancement Research Initiative (QUERI) Proposals for Existing QUERI Focus Areas, Department of Veterans Affairs, Spring 2014

Special Emphasis Panel, Pragmatic Research and Natural Experiments PARs (PAR-13-365, PAR-13-366, and PAR-13-367), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH), June 4, 2014.

Improving Infrastructure for Conducting Patient Centered Outcomes Research, Patient Powered Research Networks (PPRN), Patient Centered Outcomes Research Institute, November 11-12, 2013.

Rapid Response Proposals (RRPs), Quality Enhancement Research Initiative (QUERI) Proposals for Existing QUERI Focus Areas, Department of Veterans Affairs, Fall 2012 and Winter 2013 Cycles

Rapid Response Proposals (RRPs), Quality Enhancement Research Initiative (QUERI) Special Solicitation for Projects Implementing Research into Practice to Improve Care Delivery, Department of Veterans Affairs, Winter and Spring 2012 Cycles

Peer-Review for Journals

I periodically review articles submitted for peer review with the following journals as time allows:

Journal of the Association for Information Science and Technology, 2023 – Present

BMJ Open, 2018 – Present

JAMIA Open, 2018 – Present

Journal of Public Health Management & Practice, 2017 – Present

International Journal of Medical Informatics, 2017 - Present

Journal of Medical Internet Research (JMIR), 2016 – Present

Includes *JMIR Medical Informatics*, *JMIR Public Health & Surveillance*

BMC Health Services Research, 2016 - Present

BMC Public Health, 2016 - Present

Applied Clinical Informatics, 2016 - Present

IMIA Yearbook in Medical Informatics, 2015 - Present

BMC Medical Informatics and Decision Making, 2012 – Present

Online Journal of Public Health Informatics, 2011 – Present

Journal of the American Medical Informatics Association, 2008 – Present

Full profile available here: <https://www.webofscience.com/wos/author/record/727186>

Peer-Review for Conferences and Symposia

International Society for Disease Surveillance Conference, 2010 – 2019

- Reviewed 4-8 scientific abstracts each year
- Served on the Scientific Program Committee from 2013 – 2015 and 2017 – Present
- Served as Informatics Track Co-Chair from 2013 – 2015 and 2017 – Present
- Served as the Chair of the SPC for the 2016 conference

Health Information Management Systems Society Conference and Exhibition, 2008 – 2018

- Reviewed 10-16 conference abstracts each year
- Worked with the public health and health information exchange review committees to establish the conference's programming
- Served on the Annual Conference Education Committee from 2012 – 2014
- Chaired the Annual Conference Education Committee for the 2014 conference

American Medical Informatics Association Symposium, 2007 – Present

- Reviewed 4-8 scientific papers and abstracts each year
- Served on the Scientific Program Committee for the 2012 symposium

International Health (Medical) Informatics Congress, Medinfo, 2007 – Present

- Reviewed 4-8 scientific abstracts and papers for each congress

Agency for Healthcare Research and Quality Annual Conference 2007 – 2008

- Reviewed 4-8 scientific abstracts each year
- Worked with scientific review committee to establish the conference's programming

Civic Engagement and Service

Committee Chair, BSA Troop 396, Brownsburg, IN, 2021 – Present

- Provide oversight and monitor compliance of troop activities, including health/safety
- Facilitate Committee meetings and recruitment of adult leaders into Troop
- Coordinate strategy and planning activities for Troop

Merit Badge Counselor, Crossroads of America Council, Indianapolis, IN, 2019 – Present

- Taught Public Speaking Merit Badge (June 2021): 1 scout
- Taught Digital Technology Merit Badge (June 2021): 4 scouts
- Taught Public Health Merit Badge (May 2020): 20 scouts

Assistant Cubmaster, BSA Pack 396, Brownsburg, IN, 2018 – 2021

- Recruit new boys and girls into scouting
- Coordinate Pack events, including summer camp
- Support youth development programming and leadership opportunities

Cubmaster, Pack 396, Brownsburg, IN, 2016 – 2018

- Plan and help carry out the Cub Scout program: lead pack meetings and work with the pack committee on program ideas, recruiting adult leaders, and establishing a budget plan
- Guide and support den leaders
- Develop and maintain relationships with parents and guardians
- Conduct impressive advancement, recognition, and graduation ceremonies

Assistant Cubmaster, Pack 396, Brownsburg, IN, 2015 – 2016

- Assist and Mentor Den leaders in planning and executing activities to support youth achievement and personal development
- Coordinate Pack and District events, including summer camp

Jump IN for Healthy Kids, 2014 – 2019

- Provided strategic guidance on realistic goals for improving childhood obesity rates in Indiana as well as data sources to enable measurement of progress towards those goals
- Facilitated access to data sources for evaluation of progress towards reaching goals

Board of Directors, College Mentors for Kids, Inc., 2003 – 2009

- Chaired the Information and Communications Technology (ICT) Committee
- Provided guidance and oversight on budgetary and programming activities
- Organized and assisted with program development activities

Board of Directors, Hanover Homeowners Association, 2006 – 2008

- Presided over the Board as well as the Association's budget, contractors, and regulatory functions
- Organized and facilitated Association meetings

Professional Affiliations

American College of Epidemiology, 2022 – Present
 American College of Medical Informatics, 2018 – Present
 American Association for the Advancement of Science (AAAS), 2018 – Present
 American Public Health Association, 2014 – Present
 AcademyHealth, 2012 – Present
 International Society for Disease Surveillance (ISDS), 2011 – 2019
 Health Information Management Systems Society (HIMSS), 2007 – Present
 American Medical Informatics Association (AMIA), 2006 – Present
 American Society for Public Administration (ASPA), 2004 – 2015

Publications

Bibliometrics

Citations to my articles: 5700
 h-index 37
 Google Scholar profile: <https://scholar.google.com/citations?user=E6ehgh4AAAAJ>
 Researcher ID: <https://publons.com/researcher/1666181/brian-e-dixon/>
 ORCID: <https://orcid.org/0000-0002-1121-0607>

Refereed (Peer-Reviewed) Journal Articles

In Press (Online ahead of Print)

Kraus EM, Saintus L, Martinez AK, Brand B, Begley E, Merritt RK, ..., **Dixon BE**. Fostering Governance and Information Partnerships for Chronic Disease Surveillance: The Multi-State EHR-Based Network for Disease Surveillance. *Journal of Public Health Management and Practice*. 2023. 10.1097/PHH.0000000000001810.

Griggs EP, Mitchell PK, Lazariu V, Gaglani M, McEvoy C, Klein NP, Valvi NR, Irving SA, Kojima N, Stenhjem E, Crane B, Rao S, Grannis SJ, Embi PJ, Kharbanda AB, Ong TC, Natarajan K, Dascomb K, Naleway AL, Bassett E, DeSilva MB, Dickerson M, Konatham D, Fireman B, Allen KS, Barron MA, Beaton M, Arndorfer J, Vazquez-Benitez G, Garg S, Murthy K, Goddard K, **Dixon BE**, Han J, et al. Clinical epidemiology and risk factors for critical outcomes among vaccinated and unvaccinated adults hospitalized with COVID-19-VISION Network, 10 States, June 2021-March 2023. *Clinical Infectious Diseases*. 2023 Aug 26:ciad505. doi: 10.1093/cid/ciad505. PMID: 37633258

Okolo AI, Jacob SA, **Dixon BE**, Valvi NR, Janson IA, Hardesty BR. Increasing Visibility of Sickle Cell Disease in Indiana: Establishing Baseline Prevalence Using Integrated Data From Multiple Sources. *Public Health Rep*. 2023 May 26:333549231170229. doi: 10.1177/00333549231170229.

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Embi PJ, Levy ME, Patel P, DeSilva MB, Gaglani M, Dascomb K, Dunne MM, Klein NP, Ong TC, Grannis SJ, Natarajan K, Yang DH, Stenhjem E, Zerbo O, McEvoy C, Rao S, Thompson MG, Konatham D, Irving SA, **Dixon BE**, Han J, et al. Effectiveness of COVID-19 vaccines at preventing emergency department or urgent care encounters and hospitalizations among immunocompromised adults: An observational study of real-world data across 10 US states from August-December 2021. *Vaccine*. 2023 Aug 23;41(37):5424-5434. doi: 10.1016/j.vaccine.2023.05.038. PMID: 37479609

Adams K, Riddles JJ, Rowley EAK, Grannis SJ, Gaglani M, Fireman B, Hartmann E, Naleway AL, Stenehjem E, Hughes A, Dalton AF, Natarajan K, Dascomb K, Raiyani C, Irving SA, Sloan-Aagard C, Kharbanda AB, DeSilva MB, **Dixon BE**, Ong TC, et al. Number needed to vaccinate with a COVID-19 booster to prevent a COVID-19-associated hospitalization during SARS-CoV-2 Omicron BA.1 variant predominance, December 2021-February 2022, VISION Network: a retrospective cohort study. *The Lancet Regional Health - Americas*. 2023 Jul;23:100530. doi: 10.1016/j.lana.2023.100530. PMID: 37333688

Link-Gelles R, Weber ZA, Reese SE, Payne AB, Gaglani M, Adams K, Kharbanda AB, Natarajan K, DeSilva MB, Dascomb K, Irving SA, Klein NP, Grannis SJ, Ong TC, Embi PJ, Dunne MM, Dickerson M, McEvoy C, Arndorfer J, Naleway AL, Goddard K, **Dixon BE**, et al. Estimates of Bivalent mRNA Vaccine Durability in Preventing COVID-19-Associated Hospitalization and Critical Illness Among Adults with and Without Immunocompromising Conditions - VISION Network, September 2022-April 2023. *American Journal of Transplantation*. 2023 Jul;23(7):1062-1076. doi: 10.1016/j.ajt.2023.06.004. PMID: 37394267.

Bozio CH, Butterfield KA, Briggs Hagen M, Grannis S, Drawz P, Hartmann E, Ong TC, Fireman B, Natarajan K, Dascomb K, Gaglani M, DeSilva MB, Yang DH, Midgley CM, **Dixon BE**, Naleway AL, et al. Protection from COVID-19 mRNA vaccination and prior SARS-CoV-2 infection against COVID-19-associated encounters in adults during Delta and Omicron predominance. *The Journal of Infectious Diseases*. 2023 Jun 15;227(12):1348-1363. doi: 10.1093/infdis/jiad040. PMID: 36806690.

Acharya JC, Staes C, Allen KS, Hartsell J, Cullen TA, Lenert L, Rucker DW, Lehmann HP, **Dixon BE**. Strengths, weaknesses, opportunities, and threats for the nation's public health information systems infrastructure: synthesis of discussions from the 2022 ACMI Symposium. *Journal of the American Medical Informatics Association*. 2023 May 5;30(6):1011–21. doi: 10.1093/jamia/ocad059. PMID: 37146228

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Dalton AF, Weber ZA, Allen KS, Stenehjem E, Irving SA, Spark TL, Adams K, Zerbo O, Lazariu V, **Dixon BE**, et al. Relationships between social vulnerability and COVID-19 vaccination coverage and vaccine effectiveness. *Clinical Infectious Diseases*. 2023 May 3;76(9):1615-1625. doi: 10.1093/cid/ciad003. PMID: 36611252

Klein NP, Demarco M, Fleming-Dutra KE, Stockwell MS, Kharbanda AB, Gaglani M, Rao S, Lewis N, Irving SA, Hartmann E, Natarajan K, Dalton AF, Zerbo O, DeSilva MB, Konatham D, Stenehjem E, Rowley EAK, Ong TC, Grannis SJ, Sloan-Aagard C, Han J, Verani JR, Raiyani C, Dascomb K, Reese SE, Barron MA, Fadel WF, Naleway AL, Nanez J, Dickerson M, Goddard K, Murthy K, Grisel N, Weber ZA, **Dixon BE**, et al. Effectiveness of BNT162b2 COVID-19 Vaccination in Children and Adolescents. *Pediatrics*. 2023 May 1;151(5):e2022060894. doi: 10.1542/peds.2022-060894. PMID: 37026401

Dixon BE, Staes C, Acharya J, Allen KS, Hartsell J, Cullen T, Lenert L, Rucker DW, Lehmann H. Enhancing the nation's public health information infrastructure: a report from the ACMI symposium. *Journal of the American Medical Informatics Association*. 2023 Apr 19;30(5):1000-1005. doi: 10.1093/jamia/ocad033. PMID: 36917089

DeSilva MB, Mitchell PK, Klein NP, **Dixon BE**, Tenforde MW, Thompson MG, et al. Protection of 2 and 3 mRNA Vaccine Doses Against Severe Outcomes Among Adults Hospitalized with COVID-19 – VISION Network, August 2021 – March 2022. *The Journal of Infectious Diseases*. 2023 Apr 18;227(8):961-969. doi: 10.1093/infdis/jiac458. PMID: 36415904

Allen KS, Hinrichs R, Heumann CL, Titus MK, Duszynski TJ, Valvi NR, Wiensch A, Tao G, **Dixon BE**. Findings from a Scoping Review: Presumptive Treatment for Chlamydia Trachomatis (CT) and Neisseria Gonorrhoeae (GC) in the USA, 2006-2021. *Sexually Transmitted Diseases*. 2023 Apr 1;50(4):209-214. doi: 10.1097/OLQ.0000000000001762. PMID: 36584164

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Boockvar KS, Koufacos NS, May J, Schwartzkopf AL, Guerrero VM, Judon KM, Schubert CC, Franzosa E, **Dixon BE**. Effect of Health Information Exchange Plus a Care Transitions Intervention on Post-Hospital Outcomes Among VA Primary Care Patients: a Randomized Clinical Trial. *Journal of General Internal Medicine*. 2022 Dec;37(16):4054-4061. doi: 10.1007/s11606-022-07397-5. PMID: 35199262

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Britton A, Embi PJ, Levy ME, Gaglani M, DeSilva MB, **Dixon BE**, et al. Effectiveness of COVID-19 mRNA Vaccines Against COVID-19-Associated Hospitalizations Among Immunocompromised Adults During SARS-CoV-2 Omicron Predominance - VISION Network, 10 States, December 2021-August 2022. *MMWR Morbidity and Mortality Weekly Report*. 2022 Oct 21;71(42):1335-1342. doi: 10.15585/mmwr.mm7142a4. PMID: 36264840

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Schrag SJ, Verani JR, **Dixon BE**, Page JM, Butterfield KA, Gaglani M, et al. Estimation of COVID-19 mRNA Vaccine Effectiveness Against Medically Attended COVID-19 in Pregnancy During Periods of Delta and Omicron Variant Predominance in the United States. *JAMA Network Open*. 2022 Sep 1;5(9):e2233273. doi: 10.1001/jamanetworkopen.2022.33273. PMID: 36156146

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Dixon BE, Zayas-Caban T. Five important usability challenges for informatics applications [Poster]. AMIA Spring Congress. Orlando, FL; May 28-30, 2009.

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Dixon BE. The landscape of the AHRQ health information technology portfolio [Poster]. AMIA Annual Symposium. Washington, DC; November 11-15, 2006: 912. PubMed PMID: 17238531; PubMed Central PMCID: PMC1839591.

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Invited Presentations and Lectures

Dixon BE. “Public Health 3.0: Promoting Interoperability-centric Digital Public Health” Special Keynote Talk for the Public Health Informatics Track. 5th GCC eHealth Workforce Development Conference. Dubai, United Arab Emirates. November 2-3, 2022.

Dixon BE. “New Trends in Interoperability: HIE 2.0” MENA HIE Summit. 5th GCC eHealth Workforce Development Conference. Dubai, United Arab Emirates. November 2-3, 2022.

Holmes JH, **Dixon BE**, Foraker R, Goodman K. On using novel methodologies for epidemiologic surveillance for health disparities: Inferential benefits and ethical perils. 2022 Annual Meeting. American College of Epidemiology. Scottsdale, Arizona. September 8-11, 2022.

Dixon BE. “Enterprise Architecture for Public Health.” Data Modernization Initiative Lecture Series. Tennessee Department of Health. July 11, 2022.

Dixon BE. “A Modern Workforce for Modern Systems.” Panelist. 2022 Public Health TechXpo. Association for State and Territorial Health Officials. May 11, 2022.

Dixon BE. “Surveillance and Response to COVID-19: Public Health Informatics in Action.” E391 Public Health Surveillance. Indiana University Fairbanks School of Public Health. November 17, 2021.

Dixon BE. “Health Informatics Contributions to COVID-19 Pandemic Response and Control.” Plenary Talk. DigiHealthDay 2021. Technische Hochschule Deggendorf (THD), Fakultät European Campus Rottal-Inn (ECRI). Online Event. November 12, 2021.

Dixon BE. “A Public Health Informatics Program: Responding to COVID-19.” Special Keynote Talk for the Public Health Informatics Track. GCC eHealth Workforce Development Conference. United Arab Emirates (Online). November 7-8, 2021.

Dixon BE. “Trends in Interoperability to Address Public Health and Cross-Countries Data Sharing.” Special Keynote Talk for the Health Information Exchange Summit. GCC eHealth Workforce Development Conference. United Arab Emirates (Online). November 7-8, 2021.

Dixon BE. “Datedeling i Danmark – Current state and future directions.” eHealth Observatory Conference. Odense, Denmark. October 12-13, 2021.

Dixon BE. “Responding to the COVID-19 Pandemic: Saga of the Public Health Informatics Program.” Grand Rounds. Regenstrief Institute. Indianapolis, IN (Online). May 21, 2021

Dixon BE. “Population Approaches in Response to the COVID-19 Pandemic.” Introduction to Clinical Informatics Course. Pfizer, organized by Harvard Medical School, Division of Clinical Informatics. April 23, 2021.

Dixon BE. “Informatics: The Sixth Pillar of Public Health.” Introduction to Public Health. Fairbanks School of Public Health at IUPUI. Indianapolis, IN. April 22, 2021.

Dixon BE. “Leveraging EHR Data for Public and Population Health Initiatives” HPM 620 Implementing Health Informatics Initiatives. University of North Carolina. Online. April 15, 2021.

Dixon BE. “The Value of Health Information Exchange.” IU School of Informatics and Computing at IUPUI. INFO B582 Course on Health Information Exchange. Indianapolis, IN. April 15, 2021.

Dixon BE. “Supporting Care Coordination with Health Information Exchange: Results from a VA-based Randomized Trial.” VA Center for Health Information and Communication Work in Progress Seminar. HSR&D Service, Roudebush VA Medical Center. Indianapolis, IN. February 12, 2021.

Dixon BE. “HIE and the Pandemic: The Inside Story.” Special Keynote Talk. GCC eHealth Workforce Development Conference. United Arab Emirates (Online). November 14-16, 2020.

Dixon BE. “Applied Public Health Informatics: An eHealth Discipline Supporting Response to COVID-19, Chronic Diseases, and Social Determinants.” Plenary Talk. DigiHealthDay 2020. Technische Hochschule Deggendorf (THD), Fakultät European Campus Rottal-Inn (ECRI). Online Event. November 13, 2020.

Dixon BE. “Data and Information Challenges in a Pandemic plus COVID-19 Modeling.” Public Health Panel. IU School of Medicine. Online. April 29, 2020.

Dixon BE, Menachemi N, Duszynski T, Halverson PK. “Updates on COVID-19 Modeling: Updated Assumptions, Model Performance, Lessons Learned.” Indiana Hospital Association. Online. April 22, 2020.

Dixon BE, Menachemi N, Halverson PK, Richardson D. “Leveraging Data and Information Infrastructure in Response to COVID-19.” Indiana HIMSS Chapter Webinar. Online. April 21, 2020.

Dixon BE, Halverson PK, Tenenbaum J, Hupert N, Loonsk J. “Maximizing Health IT, Modeling, Tracking, Tracing, and Other Public Health Tools during the COVID-19 Outbreak.” AMIA 2020 COVID-19 Webinar Series. Online. April 20, 2020.

Dixon BE. “The Value of Health Information Exchange.” IU School of Informatics and Computing at IUPUI. INFO B582 Course on Health Information Exchange. Indianapolis, IN. April 5, 2020.

Dixon BE, Menachemi N, Duszynski T, Halverson PK. “COVID-19 Estimates using Modified CDC FluSurgeModels.” Indiana Hospital Association. Online. March 27, 2020.

Dixon BE. “Leveraging HIE to Facilitate Care Coordination between VA and non-VA Providers: A Study Update.” VA HSR&D Center for Health Information & Communication and the Indiana University Center for Health Services & Outcomes Research. Indianapolis, IN. February 21, 2020.

Dixon BE. “Public Health Information Systems: Trends, Challenges, and Opportunities.” DePauw University, Departments of Computer Science and Global Health. Greencastle, IN. April 8, 2019.

Dixon BE, Welhausen C. “Strategies for Improving Grant and Scientific Writing.” International Society for Disease Surveillance. San Diego, CA. January 30–February 1, 2019.

Dixon BE. “An Indiana Registry for Traumatic Brain and Spinal Cord Injuries (plus Stroke).” IU School of Medicine, Department of Physical Medicine and Rehabilitation. December 19, 2018.

Dixon BE. “Health Information Exchange Applications.” Masters of Science in Applied Clinical Informatics Program. Vanderbilt University, Department of Biomedical Informatics. October 2018.

Dixon BE. “Public Health Informatics and Its Role in Biosurveillance.” International Society for Disease Surveillance. Orlando, FL. January 31–February 2, 2018.

Dixon BE. “Strategies for Improving Grant and Scientific Writing.” International Society for Disease Surveillance. Orlando, FL. January 31–February 2, 2018.

Available at: <https://vimeo.com/280222972> and <https://vimeo.com/280445867>

Dixon BE. “Health Information Exchange Applications.” Masters of Science in Applied Clinical Informatics Program. Vanderbilt University, Department of Biomedical Informatics. October 2017.

Dixon BE. Bridging the Clinical and Public Health Divide through Informatics. Guest Lecture for ME 600.903 Introduction to Public Health and Biomedical Informatics. Johns Hopkins University Division of Health Sciences Informatics MS Program. October 2016.

Dixon BE. “Health Information Exchange Applications.” Masters of Science in Applied Clinical Informatics Program. Vanderbilt University, Department of Biomedical Informatics. October 2016.

Ash JS, **Dixon BE.** “Evidence based Informatics: Evaluating Value.” NLM Georgia Biomedical Informatics Course. Brasstown Valley Resort & Spa, Young Harris, GA. September 12-17, 2016.

Dixon BE. “Health Information Exchange and Meaningful Use.” NLM Georgia Biomedical Informatics Course. Brasstown Valley Resort & Spa, Young Harris, GA. September 12-17, 2016.

Dixon BE. “Governance for Public Health Surveillance Data.” Transforming Public Health Surveillance Course Guest Lecture, Epidemiology and Population Health Summer Institute at Columbia University (EPIC). Online Lecture. June, 2016.

Dixon BE. “The Indiana TBI/SCI Registry: A Resource for Research and Surveillance.” Indiana Spinal Cord and Brain Injury Research Conference. Indianapolis, IN. April 15, 2016.

Dixon BE. “Current and Future State of Case Reporting: Towards Automation.” CDC EHR Forum. Online Webinar. April 6, 2016.

Dixon BE. “Health Information Exchange and Meaningful Use.” NLM Georgia Biomedical Informatics Course. Brasstown Valley Resort & Spa, Young Harris, GA. April 4, 2016.

Dixon BE. “Improving Vaccine-Preventable Disease Reporting through Health Information Exchange.” Research Seminar, Public Health Services and Systems Research (PHSSR) Coordinating Center. Lexington, KY. October 16, 2015.

Dixon BE. “Leveraging Electronic Health Records for Public Health: From Automated Disease Reporting to Developing Population Health Indicators.” Research in Progress Webinar, Public Health Services and Systems Research (PHSSR) Coordinating Center. [Online] March 3, 2015. Available at: <http://connect.uky.edu/p3d88q1h0cd/>

Dixon BE. “Ways to Keep the Patient, Provider and the Computer from Becoming a Crowd.” Health Informatics Tri-State Summit. University of Southern Indiana. Evansville, IN: January 28, 2015. Available online at: <https://www.youtube.com/watch?v=vG-yb2kuSQY>

Dixon BE, Turner A, Pina J, Kharrazi H, Richards J. Public and Global Health Informatics Year in Review [Panel]. AMIA Annual Symposium. Washington, DC. AMIA Annual Symposium. Washington, DC. November 15-19, 2014.

Dixon BE. “Disseminating Your Research and Big Idea.” IUPUI Preparing Future Faculty and Professionals (PFFP) Annual Pathways Conference. Indianapolis, IN: November 8, 2013.

Dixon BE. “Maintaining the Real Social Network.” IUPUI Preparing Future Faculty and Professionals (PFFP) Annual Pathways Conference. Indianapolis, IN: November 8, 2013.

Cusack CM, **Dixon BE**, Wright A. "Evaluating Health Information and Communications Technologies: Why, How, Challenges." MEDINFO 2013 – 14th World Congress on Medical and Health Informatics. Copenhagen, Denmark: August 20-23, 2013.

Dixon BE, Jenders RA. “Clinical Decision Support at the National Level: Current State and Implications for Pharmacy.” Plenary for the American Society of Health-System Pharmacists (ASHP) 2013 Summer Meeting. Minneapolis, MN: June 1-5, 2013.

Dixon BE. “Leveraging Health Information Exchange to Achieve Population Health Surveillance Requirements of Meaningful Use.” Medical Informatics World Conference. Bio-IT World. Boston, MA: April 8-9, 2013.

Dixon BE. “The Neolithic Revolution in Health: Applying Computer Science to Domesticate Information Systems and Data.” 175th Anniversary Speaker Series. DePauw University. Greencastle, IN: October 29, 2012.

Dixon BE. “The Neolithic Revolution in Public Health: Domesticating Electronic Systems and Data.” Redesigning Public Health Surveillance in an e-Health World. Public Health Informatics Institute. Atlanta, GA: December 13-15, 2011.

Dixon BE. “The Indiana Public Health Emergency Surveillance System.” CDC Public Health Informatics Conference. Atlanta, GA; August 21-24, 2011.

Dixon BE, Gentry R. “Collaborating to Improve Syndromic Surveillance: The Indiana Public Health Emergency Surveillance System.” AMIA Public Health Informatics. Kissimmee, FL; May 25-27, 2011.

Dixon BE. “Using Health Information Exchange to Improve Quality of Care.” CMS QualityNet Conference. Baltimore, MD; November 30 – December 2, 2010.

Cusack CM, Poon EG, **Dixon BE.** “Evaluating Health IT Projects: A Practical Approach.” MEDINFO 2010 - 13th World Congress on Medical Informatics. Cape Town, South Africa; September 12-15, 2010.

Dixon BE. “Bidirectional Communication: Enhancing Situational Awareness in Public Health and Clinical Practice.” Interoperability Showcase – HIMSS Conference and Exhibition. Atlanta, GA; March 1-3, 2010.

Magruder C, **Dixon BE.** “Using the NHIN to Enhance Situational Awareness.” National eHealth Collaborative Stakeholder Forum. Washington, DC; February 22, 2010.

Cusack CM, Poon EG, **Dixon BE.** “Evaluating Health IT Projects: A Practical Approach.” AMIA Annual Symposium. San Francisco, CA; November 14-18, 2009.

Dixon BE. “Exploring Informatics with a Padawan: Using the Force to Improve Healthcare.” Mathematics and Computing Colloquium Series. Franklin College. Franklin, IN; October 29, 2009.

Dixon BE. “Health Care IT Vendors Need to Hire More HCI Graduates and Other Things Health Care Needs to Do as It Reforms.” Indiana Chapter of the Usability Professionals Association Meeting. Indianapolis, IN; October 14, 2009.

Tokars J, Karras B, Dobbs D, **Dixon BE**, Stevens KC, Howell JF, et al. "Biosurveillance: Coordinating a Nationwide Approach." 5th Nationwide Health Information Network Forum: Trial Implementations - A Path to Production. Washington, DC: December 2008.

Dixon BE. "A Practical Guide to Securing Funds for Health Information Technology." Healthcare Financial Management Association Summer Conference, Show-Me of Missouri Chapter. Lake Ozark, MO; July 2008.

Dixon BE. "A Practical Guide to Grant Funding." Rural Health IT Conference. Kansas City, MO; September 2007.

Dixon BE. "The Role and Management of IT in the Public Sector." American Society for Public Administration (ASPA), Indiana Chapter Fall Meeting. Indianapolis, IN; October 2007.

Dixon BE. "Grant Funding for the Community Hospital: A Practical Guide." HealthLeaders Media Webinar; December 2006.

Dixon BE. "The Promise and Challenge of Transforming Health Care with Information Technology." DePauw University Information Technology Associates Program (ITAP) Lecture Series. Greencastle, IN; May 2006.

Dixon BE. "Health Communications Systems." Introduction to biomedical and health informatics [Tutorial]. AMIA Annual Symposium. Washington, DC; October 22-26, 2005.

Honors and Awards

Fellow (Elected), International Academy of Health Sciences Informatics, International Medical Informatics Association (IMIA), 2023

Member (Elected), American College of Epidemiology, 2022

One Regenstrief Award, Regenstrief Institute, 2022

Health Services Research (HSR) Impact Award, AcademyHealth, 2021

Fellow, American Medical Informatics Association, 2021

Open Education Award, University Library, IUPUI, 2020

Scouting Couple of the Year, Hou Koda District, Crossroads Council of America, BSA, 2020

"Best Paper" of 2019, International Medical Informatics Association (IMIA), paper included in the *2020 IMIA Yearbook of Medical Informatics*, 2020

Inspiring Alumni Award, College Mentors for Kids, 2019

Cubmaster's Key Award, Crossroads of America Council, Boy Scouts of America, 2018

Fellow (Elected), American College of Medical Informatics (ACMI), 2018

Research Frontiers Trailblazer Award, IUPUI, 2018

Unit Leader Award of Merit, Crossroads of America Council, Boy Scouts of America, 2018

Finalist, Best Paper Award, MEDINFO World Congress on Medical and Health Informatics, 2017

Book of the Year, Healthcare Information Management Systems Society (HIMSS), 2017

Assistant Cubmaster of the Year, Hou Koda District, Crossroads Council of America, BSA, 2016

Outstanding Investigator, Center for Biomedical Informatics, Regenstrief Institute, 2014

Forty Under 40, Indianapolis Business Journal, 2014

Fellow, Health Information Management Systems Society, 2012

"Best Paper" of 2010, International Medical Informatics Association (IMIA), paper included in the *2011 IMIA Yearbook of Medical Informatics*, 2011

Doctoral Consortium on Sociotechnical Issues in Medical Informatics Participant, AMIA, IMIA, and NSF, 2010

Eagle Scout Award, Boy Scouts of America, 1994