

# Curriculum Vitae

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

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Primary Office  
Regenstrief Institute, Inc.  
Center for Biomedical Informatics  
1101 W. 10<sup>th</sup> St., RF 347  
Indianapolis, IN 46202  
(317) 278-3072

Secondary Office  
Center for Health Information and Communication  
Roudebush VA Medical Center  
1481 W. 10<sup>th</sup> St., 11H  
Indianapolis, IN 46202  
(317) 988-4419

## Education

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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 [Brian Dixon Doctoral Dissertation](#))

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

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### Current Appointments

Director, Center for Biomedical Informatics  
Regenstrief Institute, Inc., Indianapolis, IN  
December 2024 - Present

Clem McDonald Professor of Biomedical Informatics  
Richard M. Fairbanks School of Public Health  
Indiana University Indianapolis, Indianapolis, IN  
December 2024 - Present

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

Interim Director, Center for Biomedical Informatics  
Regenstrief Institute, Inc., Indianapolis, IN  
June 2022 – November 2024

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**

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#### **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**

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#### **Courses Taught at Indiana University Indianapolis (Formerly IUPUI)**

##### Active Courses

Information Exchange for Population Health (PBHL-E645)

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.

##### Previous Courses

Foundations of Public Health Informatics (PBHL-E635)

2015-2024 (Spring Semester)

This online, asynchronous 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.

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

In 2024, I updated this course to an 8-week asynchronous modular course as part of the updated MPH curriculum at the Fairbanks School of Public Health. In 2025, an adjunct taught the updated course using my recorded lectures and materials.

Leadership Challenges in Global Health Informatics (PBHL H763)

2019-2021; 2023 (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

Public Health Informatics (PBHL E400)

2021 (Spring Semester)

This course is designed to introduce undergraduate students to public health informatics. Emphasis is placed on fundamentals of informatics, including health information exchanges, and common data sources for public health. The course draws on these concepts to examine the use of data and information 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. 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.

### [Applied Public Health Informatics](#)

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.

### [Transforming Public Health Surveillance](#)

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**

Foundations of Public Health Informatics (PBHL-E635) – Course Redesign (2024)

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. In 2024, the course was reformatted for 8-week modular component of MPH curriculum. All materials were updated.

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**

T32 Interdisciplinary Training in Cancer Control Research Program (IU School of Nursing)

Spring 2024; Fall 2019

Guest lectured on informatics, big data, and analytical methods for working with EHR data

Transforming Public Health Surveillance (University of Georgia)

Spring 2024

Guest lectured on the foundations of public health informatics

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 2025, 2024, 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 2022, 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)

Spring 2024; Fall 2023; 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 2025, 2024, 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**

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\*

Guillermo Enrique Tamayo Cabeza (PhD Dental Sciences – Minor Health Informatics) \*Minor Advisor\*

#### **Academic and/or Research Advisor**

MPH in Public Health Informatics Students

### Research Rotation / Independent Study Supervisor

Kitzel Padilla (MPH Informatics Capstone) – 2023  
Alyssa Blaszyński (BSPH, LHSI Internship) – 2023-2024  
Justin Stiles (Indiana Medical Student Program for Research and Scholarship) – 2023  
Chelsea Kim Santos Allanigue (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  
Yenling Ho (PhD Fairbanks SPH – Epidemiology) – 2018

### Graduates

Shane Hanley, PhD (2025; Epidemiology – Minor Population Health Analytics)  
Analyzing the Association of Covid-19 Vaccination with Changes Among Individuals With Diabetes and Obesity: A Retrospective Cohort Analysis Among Indianapolis Metropolitan Residents  
Role: Doctoral Committee Member and Minor Advisor

Christina Albertin, PhD (2025; Epidemiology)  
Studies Examining Maternal Vaccination Decisions and Influenza Burden in U.S. Infants Ages 0-5 Months  
Role: Doctoral Committee Chair  
Dissertation Forthcoming

Katie S. Allen, PhD (2025; Health Policy & Management)  
Barriers to Trust in the Utilization of Health-Related Social Needs Data from the Electronic Health Record  
Role: Doctoral Committee Member; Minor Advisor  
Dissertation Defended – Document Forthcoming

Ahmed Deeb, BA (2023; Biochemistry with Minors in Public Health, Psychology & Medical Humanities)  
Role: Summer Intern Supervisor/Mentor (2021-2022)

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 [Elinor \(Ellie\) Hansotte Doctoral Dissertation](#)

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 [Timothy McFarlane Doctoral Dissertation](#)  
Note: Elite 50 recognition and Sherry Queener Graduate Student of the Year Award (2019)

Matthew Ferguson, MD (2023)  
Role: Indiana Medical Student Program for Research and Scholarship Mentor (2020)

Ben Richter, MD (2023)

Role: Indiana Medical Student Program for Research and Scholarship Mentor (2020)

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 [Casey Kar-Chan Choong Doctoral Dissertation](#)

Eileen Tallman, MPH (2022; Public Health Informatics)

Role: Internship Supervisor (2021)

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 [Zachary Sheff Doctoral Dissertation](#)

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 [Uzay Kirbiyik Doctoral Dissertation](#)

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 [Thomas J. Duszynski Doctoral Dissertation](#)

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 [Patrick T.S. Lai Doctoral Dissertation](#)

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 [Jennifer Alyea Doctoral Dissertation](#)

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 [Nathan C. Apathy Doctoral Dissertation](#)

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 [Natalie DiPietro Mager Doctoral Dissertation](#)

Timothy Edward O'Connor, MD (2020)

Role: Indiana Medical Student Program for Research and Scholarship Mentor (2017)

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 [Abdullah Alzeer Doctoral Dissertation](#)

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 [Rizwana Biviji Doctoral Dissertation](#)

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 [Suranga Kasthurirathne Doctoral Dissertation](#)

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 [Adam Knotts Doctoral Dissertation](#)

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 [Macey Henderson Doctoral Dissertation](#)

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 [Masoud Hosseini Doctoral Dissertation](#)

Monica Kasting, PhD (2016; Epidemiology) -- Human Papillomavirus Vaccination Status Association with Subsequent Health Behaviors

Role: Doctoral Committee Co-Chair

Dissertation available at [Monica Kasting Doctoral Dissertation](#)

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 [Crystal Boston-Clay Doctoral Dissertation](#)

Abdulrahman M Jabour, PhD (2016; Informatics) -- Cancer Reporting: Timeliness Analysis and Process Reengineering

Role: Doctoral Committee Member and Research Mentor

Dissertation available at [Abdulrahman M Jabour Doctoral Dissertation](#)

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 Olorunbounmi, 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 [Robin L. Chisholm Doctoral Dissertation](#)

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 [Stephen L. Brown MS Thesis](#)

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

## Faculty Mentoring

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### 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.

### Former Mentees

Daniel P. Riggins, MD, MPH (Jul 2023 – Jun 2024)  
Postdoctoral Fellow (NLM T15), Regenstrief Institute, Inc  
Served as primary mentor for Dr. Riggins who completed a fellowship in public and population health informatics at the Regenstrief Center for Biomedical Informatics, supported by the NLM.  
**Current Position:** Assistant Professor of Clinical Pediatrics, IU School of Medicine

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.

Osayame Ekhaguere, MBBS, MPH, FAAP (Jan 2019 - 2021)

Assistant Professor of 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.

**Current Position:** Assistant Professor of Pediatrics, IU School of Medicine

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

Advancing Surveillance of Congenital Heart Defects: Using Unparalleled Informatics and Data Science to Improve the Health of Children, Adolescents, and Adults

Sep 2024 – Sep 2029

Centers for Disease Control and Prevention (CDC)

Award No. NU01DD000058 (PI: Inderstrodtt)

Through collaboration with our state public health agency, local congenital heart disease (CHD) specialists, and non-profit organizations, this project will use surveillance of congenital heart disease to improve health and continuity of care for individuals ages 0-64 in Indiana. This project will: (a) link clinical, administrative, and public health data for surveillance of CHD; and (b) refine an existent machine learning algorithm using data collected during surveillance.

Role: Co-Investigator

Cumulus-Fab to Instrument the Care Delivery System as an EHR Data Source

Aug 2024 – Jul 2026

Advanced Research Projects Agency for Health (ARPA-H)

Award No. 75N95023D00001 (Boston Children's Hospital; PI: Mandl)

Subaward to Trustees of Indiana University (PI: Rivera)

This project seeks to implement Bulk FHIR-enabled API interfaces with EHR and HIE systems then leverage those interfaces to retrieve population-level datasets for research. The initial target for this work will be examining outcomes for individuals with immunocompromised conditions including those patients who require renal transplant. The project will develop and share open source technologies that enable access to EHR data at-scale for research in partnership with BCH and the other partners in the ARPA-H Bio Data Fabric (BDF) portfolio.

Role: Co-Investigator

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.

Role: Principal Investigator

#### VISION Vaccine Effectiveness (VE) Network (2.0)

Sep 2023 – Dec 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)

#### 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: Principal Investigator

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**

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

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

Sep 2022 – Jun 2024

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.

Role: Site Principal Investigator

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. HHS A2902008100010

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 in Academic Organizations**

Director, Informatics Consortium, Indiana University Indianapolis (IUI), Oct 2023 – Present

- Responsible for budgeting and managing consortium efforts across urban campus
- Planned consortium events, including symposia and workshops to stimulate collaboration and submission of large research proposals involving faculty from multiple schools
- Mentored junior faculty seeking funding and engaged other senior faculty in supporting campus goals for increased funding
- Coordinated with campus and university research staff to promote informatics research funding opportunities and facilitate teams positions to apply for external funding

Director, Center for Biomedical Informatics, May 2022 – Present

- Serve on the Executive Leadership Team responsible for the Regenstrief Institute
- Budgeting and managing research center with 18 investigators and 33 staff
- Facilitate increase in the number of collaborative research proposals and funded projects involving the investigators in the Center
- Co-recruited research faculty with multiple departments in medicine, public health, and dental schools
- Mentored and supervised research faculty, supporting progress towards promotion and tenure and conducting annual reviews on behalf of department chairs
- Expanded research support staff to build capacity for funded projects
- Co-managed Health Equity and Disparities Research initiative across the Regenstrief Institute
- Set vision for Center; establish annual research goals and metrics; facilitate Strategic Plan

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

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

### **Leadership Positions within Professional Societies and Committees**

Chair, Scientific Program Committee, AMIA 2025 Annual Symposium, American Medical Informatics Association (AMIA), 2024-2025

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

Co-Editor, Epidemiology and Public Health Informatics Section, 2025 Yearbook of Medical Informatics, International Medical Informatics Association (IMIA), 2024-2025

- Reviewed candidate papers published in 2024 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 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

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

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***

Yearbook of Medical Informatics Editorial Board, International Medical Informatics Association (IMIA), July 2024 – June 2025

- Theme: Environmental Informatics and Climate Change (2025)
- Review candidate papers published in Yearbook as “Best” papers published in field
- Establish Yearbook theme and provide oversight of selection process

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

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

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

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**

Walther-Regenstrief Endowed Chair in Cancer Informatics Search Committee, Regenstrief Institute, June 2023 – October 2024

- 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

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

- Theme: Precision Prevention (2024)
- Review candidate papers published in Yearbook as "Best" papers published in field
- Establish Yearbook theme and provide oversight of selection process

Search Committee, Department of Health Policy & Management, IU Fairbanks School of Public Health, April 2023 - 2024

- 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

MPH Admissions Committee, IU Fairbanks School of Public Health, January 2019 – December 2023

- 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

Scientific Committee, 6<sup>th</sup> 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

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
- Publish findings/discussions in workshop report

Executive Committee, American College of Medical Informatics (ACMI), December 2020 – Dec 2023

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

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

- Themes: Managing Pandemics with Informatics (2021), Inclusive Digital Health (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, Regenstrief 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, Regenstrief 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

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

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:

*BMC Infectious Disease*, 2024 – Present

*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

*IMIA Yearbook in Medical Informatics*, 2015 - Present

*BMC Medical Informatics and Decision Making*, 2012 – Present

*Journal of the American Medical Informatics Association*, 2008 – Present

Full profile available here: [Brian Dixon Web of Science Full Profile](#)

### **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 – 2022, 2024 – 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

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## Civic Engagement and Service

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Committee Chair, BSA Troop 396, Brownsburg, IN, 2021 – 2025

- 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

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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 – 2022

AcademyHealth, 2012 – 2022

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

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### Bibliometrics

Citations to my articles:	8071
h-index	45
Google Scholar profile:	<a href="#">Brian Dixon Google Scholar Profile</a>
Researcher ID:	<a href="#">Brian Dixon Researcher ID Webpage</a>
ORCID:	<a href="#">Brian Dixon ORCID Profile</a>

### Preprint Articles

None

### Refereed (Peer-Reviewed) Journal Articles

Accepted

1. Wandai ME, Allen KS, Wiensch A, Price J, **Dixon BE**. Type 2 Diabetes Prevalence Estimates using EHR Data with Similar Phenotyping Algorithms: A Test of Equivalence using Two One-sided t-Test. *JMIR Public Health and Surveillance*. Accepted Sept 2025. doi: 10.2196/preprints.79653
2. Irving SA, et al. Effectiveness of 2023-2024 COVID-19 vaccines in children in the United States. *Pediatrics*. Accepted Sept 2025.
3. **Dixon BE**, Ghimire U, Richter B, Ferguson M, Bowditch C, Rahrkar S, Finnell JT, Vest JR. Influences on Emergency Clinician Use of Health Information Exchange: Qualitative Study from the Indiana Network for Patient Care. *JMIR Medical Informatics*. Accepted Aug 2025. doi: 10.2196/preprints.75865

#### In Press (Online ahead of Print)

4. Tenforde MW, et al. Influenza vaccine effectiveness against hospitalizations and emergency department or urgent care encounters for children, adolescents, and adults during the 2023-2024 season, United States, *Clinical Infectious Diseases*, 2024; ciae597. doi: 10.1093/cid/ciae597. PMID: 39656838
5. **Dixon BE**, Allen KS, Simmons N, Brinkley J, Andrews JG, Dzomba BJ, Feiler MO, Jones RM, Ortiz MR, Sharma V, Dalton AF, Pratt C, Grannis SJ, Saydah SH; Track PCC Study Group. Incidence of long COVID among U.S. children and adults during the omicron era - Tracking Post-COVID Conditions (Track-PCC) network, 2022-2023. *Journal of Infection and Public Health*. 2025 Aug 26;18(11):102935. doi: 10.1016/j.jiph.2025.102935. PMID: 40914131

#### Published

6. Payne AB, et al. Effectiveness of nirsevimab among infants in their first RSV season in the United States, October 2023–March 2024: a test-negative design analysis. *THE LANCET Regional Health - Americas*. 2025 Sep; 49: 101196. doi: 10.1016/j.lana.2025.101196
7. Reeves EL, Dascomb K, Irving SA, Klein NP, Tartof SY, Grannis SJ, Ong TC, Ball SW, Vazquez-Benitez G, Sheffield T, Bride D, Arndorfer J, Van Otterloo J, Naleway AL, Koppolu P, Zerbo O, Jacobson KB, Fireman BH, Hansen JR, Block L, Salas SB, Bezi C, Sy LS, Reyes IAC, **Dixon BE**, Fadel WF, Rogerson C, Duszynski T, et al. Effectiveness of 2023-2024 seasonal influenza vaccine against influenza-associated emergency department and urgent care encounters among pregnant and non-pregnant women of reproductive age. *Vaccine*. 2025 Aug 30;62:127483. doi: 10.1016/j.vaccine.2025.127483. PMID: 40660660
8. McMurry AJ, Phelan D, **Dixon BE**, Geva A, Gottlieb D, Jones JR, et al. Large Language Model Symptom Identification from Clinical Text: Multicenter Study. *Journal of Medical Internet Research*. 2025 Jul 31;27:e72984. doi: 10.2196/72984. PMID: 40743494
9. Link-Gelles R, Rowley EAK, Irving SA, Klein NP, Grannis SJ, Ong TC, Ball SW, DeSilva MB, Dascomb K, Naleway AL, Koppolu P, Zerbo O, Fireman B, Hansen J, Timbol J, Block L, **Dixon BE**, et al. Estimated 2023-2024 COVID-19 Vaccine Effectiveness in Adults. *JAMA Network Open*. 2025 Jun 2;8(6):e2517402. doi: 10.1001/jamanetworkopen.2025.17402. PMID: 40560584
10. Irving SA, Crane B, Weintraub ES, Patel SA, Razzaghi H, Daley MF, **Dixon B**, Donahue JG, Fuller CC, Fuller S, Getahun D, Glenn SC, Hambidge SJ, Jackson LA, Jacobson KB, Kharbanda EO, Maro JC, O'Leary ST, Schmidt T, Sznajder K, Weinfield NS, Williams JTB, Zerbo O, Naleway AL. Infant Respiratory Syncytial Virus Immunization Coverage in the Vaccine Safety Datalink: 2023-2024. *Pediatrics*. 2025 Jun 1;155(6):e2024070240. doi: 10.1542/peds.2024-070240. PMID: 40324788

11. Shao H, Thorpe LE, Islam S, Bian J, Guo Y, Li P, Bost S, Dabelea D, Conway R, Crume T, Schwartz BS, Hirsch AG, Allen KS, **Dixon BE**, Grannis SJ, Lustigova E, Reynolds K, Rosenman M, Zhong VW, Wong A, Rivera P, Le T, Akerman M, Conderino S, Rajan A, Liese AD, Rudisill C, Obeid JS, Ewing JA, Bailey C, Mendonca EA, Zaganjor I, Rolka D, Imperatore G, Pavkov ME, Divers J; DiCAYA Writing Group. Developing a Computable Phenotype for Identifying Children, Adolescents, and Young Adults With Diabetes Using Electronic Health Records in the DiCAYA Network. *Diabetes Care*. 2025 Jun 1;48(6):914-921. doi: 10.2337/dc24-1972. PMID: 40163581
  12. Ghimire U, **Dixon BE**. Achieving Data Modernization Requires Addressing the Digital Divide Among Local Health Departments. *Journal of Public Health Management & Practice*. 2025 May-Jun;31(3):340-342. doi: 10.1097/PHH.0000000000002087. PMID: 39808746
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<sup>§</sup>Denotes conference proceedings for which the primary author was a student or mentee.

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### **Policy and Trade (Non-Refereed) Publications**

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## **Presentations and Abstracts**

### **Refereed (Peer-Reviewed) Presentations and Abstracts**

Rajamani, Aasa, Biggers, **Dixon BE**. Multifaceted Approaches to Building the Public Health Informatics Workforce for Supporting Data Modernization in Public Health [Panel]. AMIA Annual Symposium. November 15-19, 2025.

Mandl, McMurray, **Dixon BE**, et al. Federated, Fast, and Frugal: Building Multi-Site Research Networks with Federally Mandated FHIR APIs and AI [Panel]. AMIA Annual Symposium. November 15-19, 2025.

Ghimire U, **Dixon BE**, Rahrkar SR. Leveraging Information Quality, Social Influence and Technical Support to Enhance Health Information Exchange Adoption in Emergency Care Settings [Poster]. AMIA Annual Symposium. November 15-19, 2025.

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**Dixon BE**, Wandai M, Reese E, Di M, Hills GD, Gatz JL, Okolo A, Hardesty BM. Making SCD Warriors Visible: A Public Health Visualization Project [Poster]. MEDINFO 2025 – 20<sup>th</sup> World Congress on Medical and Health Informatics. August 9-13, 2025. Taipei, Taiwan. \*Abstract Published in *Studies in Health Technology and Informatics*. 2025 Aug 7:329:1896-1897. doi: 10.3233/SHTI251269 PMID: 40776286

Rosenman MB, **Dixon BE**, Divers J. Assessing the Burden of Diabetes by Type in Children, Adolescents and Young Adults (DiCAYA). CSTE Workshop on Chronic Disease Surveillance at the CSTE Annual Conference. Council of State and Territorial Epidemiologists. June 8-12, 2025. Grand Rapids, MI.

Rajamani S, Tenenbaum J, Karras BT, Schmidt AD, **Dixon BE**. Partnerships to Promote Public Health Informatics Capacity to Support the Data Modernization Initiative (DMI) in Public Health [Panel]. AMIA Annual Symposium. American Medical Informatics Association. November 10-13, 2024. San Francisco, CA.

Inderstrodt J, Riggins D, Greenwell A, Price J, Crago J, O'Brien S, Schleyer TKL, Grannis SJ, **Dixon BE**. Linking Maternal and Child Health Data to Enhance Public Health Surveillance and Implement Sustainable Interventions [Poster]. AMIA Annual Symposium. American Medical Informatics Association. November 10-13, 2024. San Francisco, CA.

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Gunashekar DR, Leider JP, **Dixon B**, Rajamani S. Informatics training needs in the public health workforce in the United States [Poster]. APHA Annual Meeting. American Public Health Association. October 27-30, 2024. Minneapolis, MN.

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Rajamani S, **Dixon BE**, Pina J, Fenton S, Cullen T. Data Modernization Initiative in Public Health: Efforts to Strengthen the Public Health Information Infrastructure and the Informatics Workforce. AMIA Annual Symposium. November 10-15, 2023. New Orleans, LA.

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<sup>§</sup>Choong C, Zhang Z, Song Y, **Dixon B**, Han J, Li X. Serum Vitamin D Levels and Incident Prescription Opioid Use Among Opioid-Naïve Patients. ICPE 2021. International Society for Pharmacoepidemiology. August 23-25, 2021. Virtual Conference.

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<sup>§</sup>Jonnalagadda P, **Dixon B**, Williams L, Rahrurkar S. Leveraging Informatics for Health Services Outcomes Research: Evaluating All-cause Inpatient Stroke Mortality Using a Statewide Health Information Exchange. AMIA 2021 Virtual Clinical Informatics Conference. American Medical Informatics Association. May 19-20, 2021. Online Symposium.

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**Dixon BE**, McFarlane T, Grannis SJ, Gibson PJ. Public Health Informatics Workforce Skills and Needs: A Descriptive Analysis using the 2017 PH WINS [Oral Presentation 1.G.]. World Congress on Public Health. October 12-16, 2020. Rome, Italy (Virtual due to COVID-19).

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**Dixon BE**, Ho JA, Broyles AA, Wiensch A, Arno JN. Validation of ICD-10 codes for identifying cases of chlamydia and gonorrhea [Poster DA.40]. World Congress on Public Health. October 12-16, 2020. Rome, Italy (Virtual due to COVID-19).

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<sup>§</sup>Ojo O, Arno JN, Tao G, Patel C, Broyles AA, **Dixon BE**. Syphilis Testing Adherence among Women with Livebirth Deliveries: 2014-2016 [Poster PW11]. 2020 STD Prevention Conference. Centers for Disease Control and Prevention. September 14-16, 2020. Virtual due to COVID-19.

\*Abstract published in *Sexually Transmitted Diseases*. 2020;47(9S):S71.

**Dixon BE**, Duszynski T. Supporting Viral Hepatitis Surveillance with Advanced Visualization Tools and Electronic Health Record Data. NACCHO 360. National Association of County and City Health Officials. July 7-9, 2020. \*NOTE: Virtual due to COVID-19. Recording available at: [Supporting Viral Hepatitis Surveillance with Advanced Visualization Tools and Electronic Health Record Data](#)

**Dixon BE**. Integrating Social Determinants into an HIE Network [Oral]. HIMSS20 -- HIMSS Global Conference & Exhibition. Healthcare Information Management Systems Society. Orlando, FL. March 9-13, 2020. \*NOTE: Virtual due to COVID-19, renamed HIMSS20 Digital. Recording available at: [Integrating Social Determinants into an HIE Network](#)

**Dixon BE**, McFarlane T, Grannis SJ, Gibson PJ. Local and State Public Health Informatics Workforce Skills and Needs: A Descriptive Analysis using the PH WINS [Oral]. AMIA 2019 Annual Symposium. 2019 November 16-20. Washington, D.C.

<sup>§</sup>Tarver W, Bouhaddou O, Jain N, **Dixon BE**. Identifying Non-VA Care Encounters using ADT Messages: Early Data from Two VA Medical Centers [Poster]. AMIA 2019 Annual Symposium. 2019 November 16-20. Washington, D.C.

<sup>§</sup>Rivera RL, Rahrurkar S, **Dixon BE**, Vest JR, Menachemi N, Zhang Y, Schaffer JT, Adler-Milstein J, Schleyer TK. Towards Measuring Real-World vs. Theoretical Impact: Development of an Enhanced Method for Evaluating Health Information Exchange [Poster]. AMIA 2019 Annual Symposium. 2019 November 16-20. Washington, D.C.

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<sup>§</sup>Dexter G, Kasthurirathne S, **Dixon BE**, Grannis SJ. Generalization of Machine Learning Approaches to Identify Notifiable Diseases Reported from a Statewide Health Information Exchange [Oral]. MEDINFO 17<sup>th</sup> World Congress on Medical and Health Informatics. August 25-30, 2019. Lyon, France.

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Jenkins P, **Dixon B**, Savage S, Carroll A, Newgard C, Tignanelli C, Hemmila, Timsina L. Comparison of a trauma comorbidity index with other measures of comorbidities to predict mortality following trauma [Oral]. 78th Annual Meeting of AAST & Clinical Congress of Acute Care Surgery. August 18-21, 2019. Dallas, TX.

Schwartz DG, McGrath S, Monsen K, **Dixon BE**. Current Approaches and Trends in Public Health Informatics Education [Panel]. Informatics Educators Forum. American Medical Informatics Association. June 18-20, 2019. St. Louis, MO.

**Dixon BE**, Harle C, Schleyer T. New Programs and Curricula to Develop the Pipeline for Public and Population Health Informatics [Oral]. Informatics Educators Forum. American Medical Informatics Association. June 18-20, 2019. St. Louis, MO.

**Dixon BE**, Rahurkar S, Schleyer T. Two Real-World Population Health Data Sets to Support Teaching Data Science Skills [Poster]. Informatics Educators Forum. American Medical Informatics Association. June 18-20, 2019. St. Louis, MO.

**Dixon BE**. Lourens S, Kharrazi H, Lehmann H, Fenton S. Integrating Data Science into Public Health Informatics Training Programs [Panel]. Informatics Educators Forum. American Medical Informatics Association. June 18-20, 2019. St. Louis, MO.

Mishra N, Duke JD, Pierce G, Riley M, Choi M, **Dixon B**. Using Fast Healthcare Interoperability Resources (FHIR) to Enhance Electronic Case Reporting for Sexually Transmitted Infections [Oral]. CSTE Annual Conference. Council of State and Territorial Epidemiologists. June 2-6, 2019. Raleigh, NC. Abstract available at: [Using Fast Healthcare Interoperability Resources \(FHIR\) to Enhance Electronic Case Reporting for Sexually Transmitted Infections](#)

**Dixon BE**. An Infrastructure to Address the Opioid Crisis and Other Population Health Needs [Oral]. Community Information Exchange Summit 2019. San Diego 211. April 23-26, 2019. San Diego, CA.

**Dixon BE**. Enhanced Public Health Reporting Using an HIE Network [Oral]. HIMSS19 -- HIMSS Global Conference & Exhibition. Healthcare Information Management Systems Society. February 11-15, 2019. Orlando, FL.

**Dixon BE**, Grannis SJ, Gibson JG. Enhancing Provider Reporting of Notifiable Diseases using HIE-enabled Decision Support [Oral]. International Society for Disease Surveillance (ISDS) Conference. January 30–February 1, 2019. San Diego, CA. \*Abstract published in in the *Online Journal of Public Health Informatics*. 2019; 11(1). Available at: [Enhancing Provider Reporting of Notifiable Diseases using HIE-enabled Decision Support](#)

<sup>§</sup>Ho Y, Rahurkar S, Arno JN, **Dixon BE**. Accuracy of ICD Codes for Identification: Review of Chlamydia, Gonorrhea and Syphilis [Poster]. International Society for Disease Surveillance (ISDS) Conference. January 30–February 1, 2019. San Diego, CA. \*Abstract published in the *Online Journal of Public Health Informatics*. 2019; 11(1). Available at: [Accuracy of ICD Codes for Identification: Review of Chlamydia, Gonorrhea and Syphilis](#)

**Dixon BE**, Zhang Z, Gibson PJ, Revere D, Grannis SJ. Improving Population Health Reporting through Information Exchange Supported Decision Support: A Randomized Trial [Oral]. AMIA Annual Symposium. American Medical Informatics Association. November 3-7, 2018. San Francisco, CA.

Grannis SJ, **Dixon BE**, Vest J, Patel C, Holbrook E. Navigating the Exposome: Real-World Experiences Connecting Environment, Community, and Behavior to Health [Panel]. AMIA Annual Symposium. American Medical Informatics Association. November 3-7, 2018. San Francisco, CA.

<sup>§</sup>Rahurkar S, Ho Y, **Dixon BE**, Tao G, Arno J. A Systematic Review and Proposed Validation Study to Evaluate the Accuracy of ICD Codes for the Identification of Chlamydia, Gonorrhea, and Syphilis [Poster]. AMIA Annual Symposium. American Medical Informatics Association. November 3-7, 2018. San Francisco, CA.

<sup>§</sup>Alzeer AH, Patel J, Bair MJ, Jones JF, **Dixon BE**. A Comparison Between two Approaches to Identify Opioid Use Problem [Poster]. AMIA Annual Symposium. American Medical Informatics Association. November 3-7, 2018. San Francisco, CA.

**Dixon BE**, Boockvar K. Notifying VA Primary Care Providers of Acute Care Events outside the VA Health System: Perceptions from Veterans [Poster]. AMIA Annual Symposium. American Medical Informatics Association. November 3-7, 2018. San Francisco, CA.

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<sup>§</sup>Ojo O, Arno J, **Dixon B**, Holderman J, Tao G, Lai P, Wang J, Zhang Z, Tu W, Patel C. Comparison of Traditional Reporting Systems in Detection of Gonorrhea to a STD Registry in a Midwest City [Poster]. STD Prevention Conference. Centers for Disease Control and Prevention. August 27-30, 2018. Washington, DC.

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**Dixon BE**, Lourens S, Fenton S, Kharrazi H. Integrating Data Science into Public Health Informatics Training Programs [Oral]. Public Health Informatics Conference. National Association of County and City Health Officials (NACCHO) and the Centers for Disease Control and Prevention. August 20-23, 2018. Atlanta, GA.

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<sup>§</sup>Rahurkar S, **Dixon BE**. HIE Usage Over Time: Value Added Services May Be Key [Oral]. SHIEC Annual Conference. Strategic Health Information Exchange Collaborative (SHIEC). August 29-22, 2018. Atlanta, GA.

Gibson PJ, **Dixon BE**, Zou F, Comer K, Rosenman M. Using Electronic Health Records in Place of Community Surveys for Estimating Disease Prevalence: Some Adjustment May Be Needed [Oral]. NACCHO Annual. National Association of County and City Health Officials (NACCHO). July 10-12, 2018. New Orleans, LA.

<sup>§</sup>Biviji R, Vest J, **Dixon B**, Cullen T, Harle C. Factors Related to User Ratings and User Downloads of Mobile Apps for Maternal and Child Health (MCH) [Poster]. AcademyHealth Annual Research Meeting. June 24-26, 2018. Seattle, WA.

**Dixon BE**, Rahrurkar S. Enabling Hands-on Access to Social Determinants of Health Data in an Interdisciplinary Informatics Course [Oral]. AMIA 2018 Informatics Educators Forum. American Medical Informatics Association. June 19-21, 2018. New Orleans, LA.

**Dixon BE**, Rahrurkar S, Schleyer T. Population Health Data Wrangling: Data Science Curriculum for Biomedical Informatics Training Programs [Poster]. AMIA 2018 Informatics Educators Forum. American Medical Informatics Association. June 19-21, 2018. New Orleans, LA.

Gibson PJ, **Dixon BE**, Zou F, Comer K, Rosenman M. Can Electronic Health Records Replace Community Surveys for Estimating Disease Prevalence? Some Adjustments May be Needed [Oral]. 2018 CSTE Annual Conference. Council of State and Territorial Epidemiologists (CSTE). June 10-14, 2018. West Palm Beach, FL. [Can Electronic Health Records Replace Community Surveys for Estimating Disease Prevalence? Some Adjustments May be Needed](#)

<sup>§</sup>Ho YA, **Dixon BE**, O'Connor T, Arno J. Syphilis Testing among Women with Stillbirth Deliveries in Indiana: 2010-16 [Poster]. NLM Informatics Training Conference. June 4-5, 2018. Nashville, TN.

Eliacin J, Yang Z, **Dixon BE**, Wang J, Kean J. Healthcare Utilization after Acute Traumatic Brain Injury in Indiana from 2004 – 2014 [Poster]. Indiana Traumatic Spinal Cord and Brain Injury Research Conference. April 18, 2018. Indianapolis, IN.

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<sup>§</sup>McFarlane TD, Gibson PJ, **Dixon BE**. Using Electronic Health Records for Public Health Hypertension Surveillance [Oral]. International Society for Disease Surveillance (ISDS) Conference. January 31–February 2, 2018. Orlando, FL. \*Abstract published in in the *Online Journal of Public Health Informatics*. 2018; 10(1). Available at: [Using Electronic Health Records for Public Health Hypertension Surveillance](#)

**Dixon BE**, Gibson PJ, Comer KF, Zou J, Williams J, Rosenman M. Leveraging Electronic Health Record Data for Community Health Assessment and Surveillance [Oral]. AMIA Annual Symposium. Washington, DC. November 4-8, 2017.

<sup>§</sup>Kochmann M, Wang J, **Dixon BE**, Kasthurirathne SN, Grannis SJ. Evaluation of Text Mining Methods to Support Reporting Public Health Notifiable Diseases Using Real-World Clinical Data [Oral]. AMIA Annual Symposium. Washington, DC. November 4-8, 2017.

Haggstrom DA, Myers L, **Dixon B**, Rosenman M, French D, Ofner S, Perkins S, Weiner M. Impact of VA Health Information Exchange upon the Overuse of Laboratory and Imaging Tests [Oral]. AMIA Annual Symposium. Washington, DC. November 4-8, 2017.

**Dixon BE**, Vest JR. Unpacking Care Coordination Alerts: What, How and Why They Matter [Oral]. HIMSS Midwest Fall Technology Conference. Health Information Management Systems Society (HIMSS). Indianapolis, Indiana. October 22-24, 2017.

**Dixon BE**, Boockvar KS. Event Notification in Support of Population Health: The Promise and Challenges from a Randomized Controlled Trial [Poster]. MEDINFO 16<sup>th</sup> World Congress on Medical and Health Informatics. Hangzhou, China. August 21-25, 2017. PMID: 29295436  
Available at: [Event Notification in Support of Population Health: The Promise and Challenges from a Randomized Controlled Trial](#)

Cusack CM, **Dixon BE**. Pragmatic Approaches to Getting Started with the Evaluation of Health Information and Communication Technologies [Oral]. MEDINFO 16<sup>th</sup> World Congress on Medical and Health Informatics. Hangzhou, China. August 21-25, 2017.

**Dixon BE**, Lang L, LaVenture M. The Informatics Agenda for Public Health: A Six Year Update [Oral]. National Association of County and City Health Officials (NACCHO) Annual Conference. Pittsburgh, PA. July 11-13, 2017.

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Cusack CM, **Dixon BE.** Web-based tools from AHRQ's national resource center. AMIA Annual Symposium. Washington, DC; November 8-12, 2008.

**Dixon BE, Dimitropoulos LL.** Privacy and security solutions for health information exchange. HIMSS Conference & Exhibition. Orlando, FL; February 2008.

McGowan JJ, **Dixon BE, McConnochie KM, Scheideman-Miller C, Bryant CA.** Impacting quality and safety via telehealth. AMIA Annual Symposium. Chicago, IL; November 10-14, 2007.

**Dixon BE, Samarth A, Starmer J.** Improved management of chronic disease using health information technology [Poster]. AMIA Annual Symposium. Chicago, IL; November 10-14, 2007: 942. PubMed PMID: 18694042.

**Dixon BE, Samarth A, Starmer J.** Lessons in using clinical decision support for chronic disease management. AMIA Spring Congress. Orlando, FL; May 22-24, 2007.

**Dixon BE, Stamper MK, Cutshall A.** Development of a registry to improve infection control efficiency [Poster]. AMIA Spring Congress. Orlando, FL; May 22-24, 2007.

**Dixon BE.** Using geographic information systems in public health [Poster]. AMIA Spring Congress. Orlando, FL; May 22-24, 2007.

**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.

*<sup>s</sup>Denotes abstracts and posters for which the primary author was a student or mentee.*

### **Invited Presentations and Lectures**

Hersh W, **Dixon BE**, Ayumba EM, Moen A, Marin H. Strategies for AI Literacy and Safety among Health Professionals. IAHSI Plenary Session. MEDINFO 2025 – 20<sup>th</sup> World Congress on Biomedical and Health Informatics. August 9-13, 2025. Taipei, Taiwan.

**Dixon BE.** Modernizing Population Surveillance via Informatics Approaches: Examples from the Regenstrief Institute. AeHIN Hour. AeHIN (Asia eHealth Information Network). Virtual Presentation. March 12, 2025.

**Dixon BE.** Collaborating to Achieve European and Global Interoperability. Xpanding Innovative Alliance (XIA) Kickoff Meeting. Lisbon, Portugal. February 10-12, 2025.

**Dixon BE.** Fire-side Chat: Unlocking the Value of HIE Data: from Population Health to Public Health. GCC eHealth Workforce Development Conference. ZIMAM. Dubai, UAE November 5-9, 2024.

**Dixon BE.** “Advancing Competencies for Health Data Interoperability” [Panel]. GCC eHealth Workforce Development Conference. ZIMAM. Dubai, UAE November 5-9, 2024.

**Dixon BE.** Fire-side-Chat: Vertical Analysis of Digital Public Health Competencies. GCC eHealth Workforce Development Conference. ZIMAM. Dubai, UAE November 5-9, 2024.

**Dixon BE.** “Modernizing Disease Surveillance via Informatics Approaches: Examples from the Regenstrief Institute.” Surveillance Revolution: Transforming Pandemic Prevention Series. University of Oklahoma. Part of the NSF Predictive Intelligence for Pandemic Prevention (PIPP) Program. Virtual. September 26, 2024.

**Dixon BE.** “Modernizing Public Health via Health Information Exchange and Governance.” Maryland Public Health Commission on Data and IT. CDC Foundation. Virtual Meeting. September 24, 2024.

Kavanagh P, Brown M, Ross-Woman A, **Dixon B**, Taiwo O. State and Private Sector Innovations in Sickle Cell Care [Panel]. HHS Sickle Cell Disease (SCD) Summit: Empowered and Thriving SCD Warriors and Communities. Washington, DC. September 24, 2024.

**Dixon BE.** “Modernizing the Public Health Workforce: The Roles and Challenges for Health Informatics Education Programs.” Keynote for the Third International Workshop on Health Informatics Education. 12<sup>th</sup> IEEE International Conference on Healthcare Informatics. Orlando, FL. June 3-6, 2024.

**Dixon BE.** “Evaluating Data Exchange and Interoperability Solutions for Public Health.” CDC Public Health Informatics Fellowship Program. U.S. Centers for Disease Control and Prevention. Atlanta, GA. May 31, 2024.

**Dixon BE.** “Big Data, Analytics, and Informatics. Oh, My!” Guest Lecture to Fellows in the NIH-funded T32 Interdisciplinary Training in Cancer Prevention and Control Program. Indiana University Melvin and Bren Simon Comprehensive Cancer Center. Indianapolis, IN. April 15, 2024.

**Dixon BE.** "State of the Center for Biomedical Informatics." Regenstrief Institute Education and Learning Series. Regenstrief Institute. Indianapolis, IN. April 10, 2024.

**Dixon BE.** "Addressing Diabetes in Indiana." Scientific Presentation. DiCAYA Network Meeting. Diabetes in Children and Young Adults. Indianapolis, IN. March 7-8, 2024.

**Dixon BE.** "HIE 3.0: Piloting Services to Enable Population and Public Health." MENA HIE Summit. 6<sup>th</sup> GCC eHealth Workforce Development Conference. Dubai, United Arab Emirates. October 31-November 2, 2023.

**Dixon BE.** "Professionalizing Digital Public Health: Advancing Digital PH Competencies and Training." Digital Public Health Forum. 6<sup>th</sup> GCC eHealth Workforce Development Conference. Dubai, United Arab Emirates. October 31-November 2, 2023.

**Dixon BE.** "Creating a SCDC Online Dashboard." Sickle Cell Disease Collection Program Summit. Centers for Disease Control and Prevention. September 28-29, 2023.

**Dixon BE.** "Data and Information Needs during the COVID-19 Pandemic." Future of Pandemic Prevention and Response Workshop, Computing Community Consortium. September 20, 2023.

**Dixon BE.** "Informatics to Facilitate Chronic Disease Management and Prevention." French Delegation Forum, HIMSS23. Healthcare Information Management Systems Society. April 17-21, 2023.

**Dixon BE.** "Applications of EHR Data to Public Health Challenges." Indiana Department of Health Summit. March 15, 2023.

**Dixon BE.** "Tracking the burden, distribution, and impact of Post COVID-19 conditions." Work-in-Progress Seminar. Regenstrief Center for Health Services Research. Indianapolis, IN. February 3, 2023.

**Dixon BE.** "Public Health 3.0: Promoting Interoperability-centric Digital Public Health" Special Keynote Talk for the Public Health Informatics Track. 5<sup>th</sup> 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. 5<sup>th</sup> 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: [Strategies for Improving Grant and Scientific Writing](#) 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.

**Dixon BE.** "[Ways to Keep the Patient, Provider and the Computer from Becoming a Crowd.](https://www.youtube.com/watch?v=vG-yb2kuSQY)" 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 – 14<sup>th</sup> 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 Domesticated Information Systems and Data." 175<sup>th</sup> 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.

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## Honors and Awards

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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