

# Bari Dzomba, MS, PhD

Assistant Professor, Temple University

College of Public Health

*Health Services Administration & Policy, Health Information Management and Health Informatics*

Ritter Annex, 1301 Cecil B. Moore Ave Rm 529, Phila, PA 19122

215-204-1892 (office)

## Professional Focus

*I am a unique candidate with education and experience across multiple domains in business, leadership, healthcare, data science, information technology, education, and social science. I have over 20 years' experience in for-profit, not-profit, government, and consulting domains.*

## Education

**Ph.D.** (May, 2015), **Leadership**, Alvernia University, Reading, PA

Research Focus – *Dimensions of Leadership in Online Health and Wellness Communities (Leadership, Big Data, & Healthcare)*

**M.S.** 2005, **Information Science**, The Pennsylvania State University, Great Valley School of Graduate Professional Studies, Malvern, PA

Professional Focus – *I am a Dataist focused on designing information systems, processes, and technologies across healthcare including public health, population health, research, and education.*

**B.A.** 1987, Advertising Design, The College of New Jersey, Ewing, NJ

## Experience

Temple University

2018 to present

### *Roles held*

**Assistant Professor, College of Public Health**

**Graduate Program Director for Master of Science, Health Informatics**

2020 to present

Department of Health Services Administration & Policy

Programs: Undergraduate Health Information Management & Graduate Health Informatics

Courses Taught: HIM 4121 Healthcare Data Analytics, HIM 5129 Health Data Analysis, HIM 5113 Database Administration for Health Informatics, HIM 3113 Database Design and Development, HIM 5112 Health Informatics Design and Decision Making, HIM 1055 IT applications for Health, HIM 5114 Health Informatics Project Management, HIM 5106 Tech for Population Health..

Pennsylvania State University

2009 to 2018

### *Roles held*

**Educational Director, Accreditation Monitoring, CQI, and Database Analysis, Educational Affairs / Assistant Professor of Public Health Sciences**

May 2016 to 2018

Responsible for business process engineering for the office of medical education, an MD program that spans multiple campuses and sites.

Responsible for all informatics across the medical education programs, including people, process, and technology for program evaluation and assessment, curriculum management, and data analytics.

Responsible for LCME accreditation of the Penn State College of Medicine MD Programs at Hershey and State College. I sit on the educational IT governance council, medical education leadership team, Office of Scholarship and Learning Educational Research, and other governance and working committees.

Program Leadership for Continuous Quality Improvement in Undergraduate Medical Education

**Interim IT Director, Research Informatics, Educational Computing, and Public Health Sciences**, Penn State University, College of Medicine July 2015 to present

August 2015 to May 2016

Fulfilling multiple roles across Penn State University and Hershey Medical Center to lead and implement the strategic initiatives and day to day operations across multiple research and education IT teams. Collaborating across domains, disciplines, and geographic borders both within and external to the institution for all aspects of clinical, basic science, and public health research, as well as medical and graduate education. Providing executive leadership and governance on the CATS IRB executive steering committee, Academic Campus team, Research Mission team, Research Advisory Council, Educational Advisory Council, Public Health Science Online Task Force, and Research Computing and Cyber Infrastructure Governance and Working Teams. Strategically focused on building relationships with the Teaching and Learning with Technology Director, InventPenn State Director, University Librarian, and various Deans across the institution. Building relationships and knowledge by facing externally with the Clinical Research IT Forum (serving on various working teams for EMR data re-use and Research IT maturity models), NCATS (serving on various working teams for Innovative Clinical Trial Design and Good Clinical Practice Data Management Metrics), and with the IRB, HSPO, and outside entities for the Notice of Proposed Changes to the Common Rule.

**Assistant Professor of Public Health Sciences (faculty appointment)**, Penn State University, College of Medicine July 2015 to 2018

Leading the Informatics effort in the Master of Public Health degree program. Developed the inaugural Public Health Informatics course, in Spring 2016.

Leading the Advanced Leadership effort in the Doctor of Public Health degree program. Collaborated with the Director and Co-Director of the program to develop the inaugural Advanced Leadership course for the Doctor of Public Health program, currently course director.

Doctoral Committee Member

Master's Capstone Advisor

- **CTSI Informatics Core Director (20%)**, Penn State University, July 2015 to present

Co-authored the Informatics section of the Penn State proposal for the NIH CTSA RFA in collaboration with the Informatics Lead at University Park, and collaborated on the Clinical Trial Innovation Center section with research, clinical, and education colleagues at both the UP and Hershey Campus.

- **Research Data and Educational Computing Program Director (staff appointment)**, Penn State University, College of Medicine June 2015 to 2016

Led both the Research Data Program and Educational Computing Team by working collaboratively with business and IT partners to fulfill both the research and education missions. Project oversight and governance, resource management, financial management, compensation and performance management, and mentoring across Team Leads, Leads, System Analysts, and Programmers.

- **Research Data Warehouse Program Director**, Penn State University, College of Medicine, August 2013 to August 2015  
Provide Program and Project Management for the Medical Research Community with projects such as PCORI PaTH, Informatics for integrating biology and the bedside (i2b2/SHRINE) patient cohort discovery, clinical (EMR) and billing research data, omics data, big data, PCORI Clinical Data Research Network. Enterprise Information Management Strategy.  
Lead cross institution collaboration with Virginia Commonwealth University, and lead informatics across funded research projects with University of Pittsburgh, Temple University, University of Utah, Geisinger, and Johns Hopkins University.  
IRB ancillary reviewer for data management, security, information technology, and data use agreements and policies.

**2014 Faculty Research Recognition Award for Innovation in Team Science** ~ Presented by Vice Dean for Research and Graduate Studies

- **Adjunct Faculty**, Penn State University, Berks Campus  
Courses taught: Management Information Systems, Project Management, Computer Science (MIS 204, CompSc 203, BusAd)  
January 2009 to 2018
- **Sr. IT Project Consultant**, UnitedHealth Group (now known as Optum)  
Software Engineering Leadership: Manage onshore and offshore interdisciplinary matrixed teams for release planning, Medicare and Retirement Projects related to Healthcare reform, Product and Policy, Enrollment, and Billing, Front Office Estimation and Budgeting for application services group.  
February 2009 to August 2013

Engaged the entire Philadelphia, New Jersey, Connecticut, and California IT teams in employee satisfaction improvement initiatives by designing surveys, focus groups, performing data analysis, and communicating results and coaching senior level executives on employee engagement and retention improvement activities.

- **Principal Consultant/Program Manager, & Geospatial PMO Division Chief** for the Commonwealth of PA, Governor's office, Depts of Health, Environmental Protection, and Conservation  
Directed multiple highly visible public facing initiatives for the Commonwealth of Pennsylvania across multiple state agencies and in collaboration with Penn State University PASDA and other public and private entities.  
July 2006 to Feb 2009
- **Previous roles held 1987 – 2006**  
**Sr. IT Consultant**, Objectbuilders, King of Prussia  
Directed XM (now XM/Sirrius) Radio IT application support teams

**Project Consultant/Project Manager**, Prudential Financial  
Directed Operations Assurance problem management teams

**Sr. Client Support Manager**, Mckesson Pharmaceutical  
Directed external help desk and external asset management teams

**IT Training Manager**, ContiFinancial  
Managed IT trainers

**Higher Education Department Head/Instructor**, Computer Learning Center  
Promoted from instructor to department chair managing all software application training instructors

**K-12 Teacher**, School District of Philadelphia

### **Publications/Presentations/Awards**

Dzomba, B. (2021) Teaching and Learning Health Data Science. Temple University Press/North Broad Press.

Under Contract.

Dzomba, B. (2020) Temple University Libraries Textbook Affordability Project

Dzomba, B. (2019) GIS for Social Justice in Health. Temple University Library GIS Day Symposium. November 2019. Philadelphia, PA.

Dzomba, B. (2019) Awareness of diversity, inclusion, and equity in public health informatics and data science.

American Public Health Association National Annual Meeting, Podium and Panel Presentation. November 2019. Philadelphia, PA.

Zhan, S., Kucia, M., & Dzomba, B. (2019) Principal component analysis of opioid misuse: An integrated pharmacologic, clinical, and informatics approach. American Public Health Association National Annual

Kucia, M., & Dzomba, B. (2019) Merging public health informatics and health care delivery : An exploratory use-case in open-source analysis. American Public Health Association National Annual Meeting, Podium and Panel Presentation. November 2019. Philadelphia, PA.

Dzomba, B. (2019) The Intersection of Leadership and Data. American Health Information Management Association National Annual Meeting. Podium Presentation. September 2019. Chicago, IL.

- Dzomba, B. & Flite, C. (2019) Using a Design Thinking Framework for a Data Analytics Thread in a Health Information Management Program. HIMSS2019 AHIMA Educational Sessions.
- Dzomba, B., Attinger, C., Dreibelbis, T. (2017) Using Team Science for High Performance Teams. TriNetX Summit, Boston, MA.
- Dzomba, B., Attinger, C., Dreibelbis, T., Carmo, S., & Anderson, R. (2017) Using Team Science for Medical Education Innovation. Medicine X, Stanford University, Palo Alto, CA.
- Dzomba, B. (2015) Predicting Leadership in Online Health Communities. Medicine X, Stanford University, Palo Alto, CA.
- Dzomba, B. (2015) A Common Leadership Data Model. International Leadership Association Annual Conference, Barcelona, Spain.
- Chuang, C. & PCORI team (2014) Faculty Research Award: Innovations in Team Science. Penn State College of Medicine. Hershey, PA.
- Borromeo, C., Dzomba, B., Lehman, H., & Weiner, M. (2014) There is nothing as practical as a good theory: Building the PCORNet clinical data research network. AMIA Panel. Washington, DC.
- Tsui, A., Borromeo, C., Chuang, C., Espino, J., Hwang, W., Kapoor, W., Lehmann, H., Martich, G., Morton, S., Paranjape, A., Shirey, W., Sorensen, A., Becich, M., Hess, R., PaTH Network Team (2014). PaTH: Towards a learning health system in the Mid-Atlantic region. J Am Med Inform Assoc., Jul-Aug(4), 633-636.
- Dzomba, B., Shkuda, T., Cope, C., Rauscher, R. (2014). Enterprise adoption of i2b2. I2b2/SHRINE AUG, Boston, MA.
- Dzomba, B. (2014). How research using big data is making a difference: Determining leadership in social media. Health DataPalooza, Washington, DC.
- Dzomba, B. (2014). Dimensions of leadership in online health and wellness communities. International Conference of Business and Applied Sciences Academy of North America, Ramapo, NJ.
- Dzomba, B. (2014). Dimensions of leadership in online health and wellness communities. Association for Clinical and Translational Science, Washington, DC.
- Dzomba, B. (2013). Dimensions of leadership in online health and wellness communities. International Leadership Conference, Montreal, CA.
- Cooper, L., Dzomba, B., Gifford, R., Hess, J., & Tiglioglu, T. (2013). The economic impact of Alvernia University, Pennsylvania Economic Association.

Dzomba, B. (2010). Benefits and challenges with the next generation of the world wide web: The potential effects of semantic web ontologies on the general population. *International Journal of Arts and Sciences*, 3(8), 234-249.

- Peer Reviewer ILA Conference for Global Leadership (2015, 2013)
- Peer Reviewer for AMIA (2015, 2016, 2017, 2019)
- Judge for Health DataPalooza (2015, 2014, 2013, 2012)
- Textbook Reviewer for McGraw-Hill – Management Information Systems for the Information Age, Haag, January 2013
- Textbook Reviewer for Cengage Learning – Successful Project Management, Gido & Clements, December 2009
- Peer Reviewer for IEEE conference China 2011 – peer reviewed engineering journal articles for selection to academic conference
- Advisory board -“Project Summit / Business Analyst World”, Advisory Board, Philadelphia 2008
- Project Management Speaker Panel – “Project Summit / Business Analyst World”, Advisory Board, Philadelphia 2008
- Recorded Speaking Engagement -“IT Performance Metrics” Webinar, Project Management Institute (PMI) MetSig Global Congress 2008
- Live Speaking Engagement - “IT Performance Metrics”, Intergovernmental Technology Conference, Harrisburg, PA December 2007
- Live Speaking Engagement - “NPDES e-DMR System”, Department of Environmental Protection Statewide Water Quality Meeting, January 2007

### **Teaching Experience**

- **Temple University, Philadelphia, PA** 2018 to present

#### **GRADUATE LEVEL:**

HIM 5129 Health Data Analysis

HIM 5113 Database Administration for Health Informatics

HIM 5112 Design and Decision Making

HIM 5114 Health Informatics Project Management

HIM5106 Technology for Population Health

#### **UNDERGRADUATE LEVEL:**

HIM 4121 Healthcare Data Analytics

HIM 3113 Database Design and Development

HIM 1055 IT applications for health

- **The Pennsylvania State University, Hershey, Berks, Harrisburg, Brandywine, York** 2009-2018

**GRADUATE LEVEL:**

Population Health Informatics and Analytics (Spring 2018)

Advanced Leadership for Public Health (2017, 2018)

Public Health Informatics (2016, 2017)

Doctoral and Masters Dissertation and Thesis Committees for MPH and DrPH programs and students

**UNDERGRADUATE LEVEL:**

Computer Science, Intro to programming (2009, 2010, 2011, 2012, 2013)

Management Information Systems, Intro to Business Systems (2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018)

Business Administration, Project Management Planning (2010)

**MEDICAL SCHOOL:**

Facilitate Science of Health Systems I and II (Fall and Spring 2017/2018)

**National Service:** CAHIIM Accreditation Site Reviewer and peer reviewer for various HIT conferences.

**Social Media Profile**

- LinkedIn profile: <http://www.linkedin.com/in/bdzomba>