

# Bari Dzomba, MS, PhD

## 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 for continuous quality improvement.*

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

## Experience

**Temple University**

**2018 to present**

**Assistant Professor of Instruction**

**College of Public Health**

Courses taught: Health Analytics and Health Data Management

**Pennsylvania State University**  
**2018**

**January 2009 to August**

*Roles held*

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

**May 2016 to present**

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

**August 2015 to May 2016**

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

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 present

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 present

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

January 2009 to present

- **Adjunct Faculty**, Penn State University, Berks Campus

Courses taught: Management Information Systems, Project Management, Computer Science (MIS 204, CompSc 203, BusAd)

February 2009 to August 2013

- **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.

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**

July 2006 to Feb 2009

**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.

- **Previous roles held 1987 – 2006**

**Sr. IT Consultant**, Objectbuilders, King of Prussia

Directed XM (now XM/Sirius) 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**

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.

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)
- 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**

- The Pennsylvania State University 2009-present

**GRADUATE LEVEL:**

Population Health Informatics and Analytics (Spring 2018)

Advanced Leadership for Public Health (2017, 2018)

Public Health Informatics (2016, 2017)

**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)

**Advising/Committee Membership**

2017 MPH Graduate (physician)

Research Topic: EMR Implementations

2017 – present D.Ed. Doctoral Committee Member

Research Topic: Hidden Curriculum and Faculty Perceptions

2018 – MPH Graduate (Pharmacist)

Research Topic: DOAC Drug Interactions and an Associated Increased Risk of a Bleeding Event

2018 – present D.Ed. Doctoral Committee Member

Research Topic: Team Science in Medical Education

2018 – present DrPH Doctoral Committee Member

Research Topic: Loneliness in the emerging adult African American Population

2018 – present AAMC LEAD Local Leadership Coach

**Social Media Profile**

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