

# BRYNA KOCH, DrPH

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## EDUCATION

**DrPH, Public Health Policy and Management · May 2022**

University of Arizona, Zuckerman College of Public Health

**MPH, Public Health Policy and Management · 2007**

University of Arizona, Zuckerman College of Public Health

**BS, Sociology and Spanish · 2002**

Santa Clara University, Santa Clara, CA

## EXPERIENCE

**2022 - PRESENT**

**ASSISTANT RESEARCH PROFESSOR**

Zuckerman College of Public Health, Public Health Practice Policy & Translational Research, Center for Rural Health, University of Arizona

**2016 - 2022**

**RESEARCH PROGRAM ADMINISTRATOR**

Center For Rural Health, University of Arizona

**2014 - 2016**

**DIRECTOR OF PROGRAM EVALUATION AND STUDENT ASSESSMENT**

College of Medicine - Tucson, University of Arizona

**2011- 2014**

**EVALUATION SPECIALIST**

College of Agriculture and Life Sciences, Family and Consumer Sciences, University of Arizona

**2007- 2011**

**EVALUATOR**

Pima Prevention Partnership, Tucson, AZ

## FUNDING & PROJECTS

### 2024- CURRENT

PI: COLLEGE OF PUBLIC HEALTH, RURAL HEALTH PROFESSIONS PROGRAM

Funder: Arizona Area Health Education Center

Center For Rural Health, University of Arizona

### 2021 - CURRENT

PI: ARIZONA HEALTH WORKFORCE DATA SYSTEM

Funder: Arizona Department of Health Services

Center For Rural Health, University of Arizona

### 2022-2024

PI: ARIZONA HEALTH IMPROVEMENT PLAN RURAL & URBAN UNDERSERVED HEALTH

Funder: Arizona Department of Health Services

Center For Rural Health, University of Arizona

## INSTRUCTION & MENTORING

### Zuckerman College of Public Health, University of Arizona,

- MPH Internship Committee chair for graduates in Spring 2023 (1), Fall 2023 (1).
- Internship preceptor for MPH graduates in Spring 2024 (1).
- Dissertation committee member, PhD Candidate (1), Arizona State University.
- Supervisor for Graduate Research Assistants and student workers (4) Fall 2023 to Spring 2024.
- Instructor PHPM 574 Public Health Policy and Management, Fall 2022 & Fall 2023.
- Instructor HPS 597A Family and Child Health in Urban Settings Service-Learning Institute: Spring 2023, 2024, 2025.
- Co-instructor (graduate teaching practicum) for the HPS 597A Family and Child Health in Urban Settings Service-Learning Institute: Summer 2016, 2017, 2019, Spring 2021, 2022.
- Co-instructor for the Migration Inter-Professional Leading to Action and Growth (MILAGRO, HSD 596) inter-professional faculty and community collaborative, including service-learning instruction and lectures on immigration policy and advocacy: Summer 2019, Fall 2019, 2020, 2021, Spring 2020, 2021, 2022, 2023, 2024.
- Guest lecturer:
  - **PHPM 597C** Border Health Service-Learning Institute on the intersections of immigration policy and public health: Spring 2020, 2021, 2022.
  - **PHPM 617** Advanced Public Health Policy Analysis on data visualization for public health policy: Spring 2020, 2021, 2022, 2023, & 2024.
  - **HPS 565** Public Health Advocacy on public health careers and social justice: Fall 2019
  - **HPS 200** Introduction to Public Health on rural maternal health: Fall 2021.
  - **HPS 200** Introduction to Public Health on Public Health Policy and the Affordable Care Act: Fall 2014.

## PEER REVIEWED PUBLICATIONS

- **Koch, B.**, Arora, M., Rooney, B., Thompson, A., Scott, B., Gomez, D., ... & Derksen, D. (2024). Promoting Equitable Access to COVID-19 Vaccinations in Rural and Underserved Arizona: Experiences From Three County Health Departments. *American Journal of Public Health*, 114(S7), S546-S550.
- Brady, B., **Koch, B.** Gulick, D., Carter, H., Derksen, D. (2023). Arizona Physician Relocation Patterns Differ by Rurality and Primary Care Status. *Family Medicine*.
- Brady, B., Gildersleeve, R., **Koch, B.**, Campos-Outcalt, D., & Derksen, D. (2021). Federally Qualified Health Centers Can Expand Rural Access to Buprenorphine for Opioid Use Disorder in Arizona. *Health Services Insights*, 14, 11786329211037502.
- Min Simpkins, A., **Koch, B.**, Spear-Ellinwood, K., & St. John, P. (2019). A developmental assessment of clinical reasoning in preclinical medical education. *Medical education online*, 24(1), 1591257.
- Parikh, T., Czuzak, M., Bui, N., Wildner, C., **Koch, B.**, Leko, E., ... & Ellis, S. (2017). Novel Use of Ultrasound to Teach Reproductive System Physical Examination Skills and Pelvic Anatomy. *Journal of Ultrasound in Medicine*.
- Waterbrook, A. L., Pritchard, T. G., Lane, A. D., Stoneking, L. R., **Koch, B.**, McAtee, R., ... & McNulty, H. G. (2016). Development of a novel sports medicine rotation for emergency medicine residents. *Advances in medical education and practice*, 7, 249.

## MAPPING & INTERACTIVE REPORTS

- **Koch, B.**, Drake, C., & Coates, S. Arizona Rural and Safety Net Health Facilities 2023 [1:50]. (2023). The Arizona Center for Rural Health ArcGIS Hub.
- **Koch, B.**, Drake, C., & Coates, S. Graduate Medical Education 2023 Residents and Sites. [1:60]. (2023). The Arizona Center for Rural Health ArcGIS Hub.
- **Koch, B.**, Drake, C., Wightman, P. & Coates, S. Arizona COVID-19 Vaccine Sites Drive Time Map. (2022) [1:60]. The Arizona Center for Rural Health ArcGIS Hub.
- **Koch, B.**, Drake, C., Wightman, P. & Coates, S. Arizona COVID-19 Test to Treat Sites Drive Time Map. (2022) [1:60]. The Arizona Center for Rural Health ArcGIS Hub.
- **Koch, B.**, Drake, C., Wightman, P. & Coates, S. Arizona Drive Time Access to In-Person AZ Dept of Economic Security Services. Map. (2022) [1:60]. The Arizona Center for Rural Health ArcGIS Hub.
- **Koch, B.**, Drake, C., & Coates, S. Arizona Healthcare Employment, Projections, and Wage Report. (2024). The Arizona Center for Rural Health.
- **Koch, B.**, Drake, C., & Coates, S. The Arizona Health Workforce Profile Report. (2023). The Arizona Center for Rural Health.
- **Koch, B.**, Drake, C., & Coates, S. Poverty in Rural Arizona. (2023). The Arizona Center for Rural Health.
- **Koch, B.**, Drake, C., & Coates, S. Arizona Graduate Medical Education Funding. (2024). The Arizona Center for Rural Health.
- **Koch, B.**, Drake, C., & Coates, S. Arizona Hospital Select Indicators Report. (2023). The Arizona Center for Rural Health.
- **Koch, B.**, Drake, C., & Coates, S. Arizona Marketplace and Medicaid Enrollment Report. (2023). The Arizona Center for Rural Health.

## REPORTS & BRIEFS

- Ringhand J, Oteng-Quarshie, A, Peters, J, Garn A, **Koch B**, Derksen D. (2024). Strategies to Reduce Barriers for Underserved Health Professions Students - Addressing Rural and Urban Health Professional Shortages by Building a Diverse Healthcare Workforce.
- Ringhand J, **Koch B**. (2024). Health Professions Pathway Programs: A Literature Review.
- Arora, M., Peters, J. S., Rooney, B. C., & **Koch, B**. (2023). Public Health System Capacity in Arizona: Learning from the COVID-19 Pandemic Response. Arizona Center for Rural Health.
- Arora, M., Rooney, B. C., & **Koch, B**. (2023). Arizona Public Health Workforce: Recruitment and Retention. Arizona Center for Rural Health.
- Clichee, D., Taj, EA., Horn J., **Koch, B.**, & Murphy B. (2023) Integrating opioid prescribing guidelines into the electronic health record systems: An assessment of community health centers and critical access hospitals in Arizona. Arizona Center for Rural Health.
- **Koch, B.**, Barraza, L. F., Derksen, D. J., & Garn, A. (2023). Graduate Medical Education (GME) in Arizona Policy Brief. Arizona Center for Rural Health.
- **Koch, B.**, Derksen, D. J., Garn, A., & Drake, C. (2023). Quantifying Arizona’s Primary Care Shortage Using Health Professional Shortage Area (HPSA) Data. Arizona Center for Rural Health.
- **Koch, B.**, Derksen, D. J., Garn, A., & Drake, C. (2023). Quantifying Arizona’s Mental Health Workforce Shortage Using Health Professional Shortage Area (HPSA) Data. Arizona Center for Rural Health.
- **Koch, B.**, Derksen, D. J., & Garn, A. (2023). Timeline: Developing Arizona Healthcare Workforce Minimum Data Set (MDS). Arizona Center for Rural Health.
- **Koch, B.**, Derksen, D. J., Drake, C., & Coates, S. (2023). U.S. Census Updates: Arizona’s Rural Population. Arizona Center for Rural Health.
- **Koch, B.** Derksen, D. J., Drake, C., & Coates, S. (2022). Arizona Health Workforce Profile: Physician Specialty. Arizona Center for Rural Health
- **Koch, B.**, Derksen, D. J., Drake, C., & Coates, S. (2022). Arizona Health Workforce Profile: Direct Care Workers. Arizona Center for Rural Health.
- **Koch, B.**, Derksen, D. J., Drake, C., & Coates, S. (2021). Arizona Health Workforce Profile: Physical Therapists. Arizona Center for Rural Health.
- **Koch, B.**, Derksen, D. J., Drake, C., & Coates, S. (2021). Arizona Health Workforce Profile: Occupational Therapists. Arizona Center for Rural Health.
- **Koch, B.**, Derksen, D. J., Drake, C., & Coates, S. (2021). The Arizona Critical Care Workforce Brief. Arizona Center for Rural Health.
- **Koch, B.**, Derksen, D. J., Brady, B, Peters J, & Coates, S. (2020).The Arizona Behavioral Health Workforce. Arizona Center for Rural Health.
- **Koch, B.**, Derksen, D. J., & Coates, S. (2020). Arizona Health Workforce Profile: Physician Assistants. Arizona Center for Rural Health.
- **Koch, B.**, Derksen, D. J., Brady, B, Campos-Outcalt, D., Carter, H., & Coates, S. (2020). Arizona Workforce Report: Obstetrician-Gynecologist Physicians and Certified Nurse Midwives. Arizona Center for Rural Health.
- **Koch, B.**, Derksen, D. J., Brady, B, Campos-Outcalt, D., Carter, H., & Coates, S. (2020). Arizona Primary Care Physician Workforce Report. Arizona Center for Rural Health.

## PRESENTATIONS

- National Governors Association Meeting 2024. Improving Maternal and Child Health in Rural America and Preparing the Next Generation of the Healthcare Workforce. Invited Panel speaker for the “Shaping Tomorrow’s Care: Strategic Healthcare Workforce Planning and Coordination Plenary.”
- ASU Maternal and Child Health Conference 2024: Translating Policy into Action. Addressing Rural Arizona’s Maternal Health Workforce Needs: Issues and Solutions.
- Arizona Rural Health and Public Policy Forum 2024. Addressing Arizona’s Health Workforce Needs - Issues and Solutions.
- Arizona Workforce Recruitment and Retention Conference 2023 "Educate, Hire & Engage. Arizona Alliance for Community Health Centers. Using Data to Inform Health Workforce Development.
- Arizona Public Health Association Spring Conference 2023. Workforce Capacity: Scaling up for the Next Fight in Arizona.
- APHA Annual Conference. 2022. The impact of health policy expansions and exclusions on farmworkers’ health insurance coverage.
- APHA Annual Conference. 2022. Lessons learned as we emerge from the pandemic.
- AAMC Health Workforce Research Conference. 2022. Arizona Physician Relocation Patterns Differ by Rurality and Primary Care Status.
- Rural Health Policy Forum. 2022. Request to Speak: Your Voice at the Arizona Legislature.
- Arizona Teaching Health Center Conference. 2021. Arizona Workforce Data Resources.
- Annual Rural Health Conference 2018. Affordable Care Act in Arizona: Outcomes and Future Directions.
- Annual Rural Health Conference. 2017. Data for Social Change and Health Equity.
- Annual Rural Health Conference. 2017. AHCCCS and Marketplace Changes for 2017.
- AAMC Health Workforce Research Conference 2020. Data Informed Policy to Support Pipeline to Practice: Arizona’s Primary Care Physician Scholarship Program.
- AAMC Health Workforce Research Conference. 2019. Working with the State Legislature: Lessons from Arizona’s Effort to Create a State Health Workforce Data System.
- AAMC Western Group on Educational Affairs. 2016. Implementing a Clinical Reasoning Student Assessment Tool based on a “Milestones” Model.
- AAMC Western Group on Educational Affairs. 2015. Responding to an LCME recommendation: start-up of an institution-wide professionalism quality improvement. program.
- AAMC Western Group on Educational Affairs. 2015. Bridging Professionalism between the Pre-Clinical and Clinical years.

## **HONORS AND AWARDS**

- Delta Omega Honorary Society in Public Health, Alpha Nu Chapter 2021.
- The Op-Ed Project, Tucson Public Voices Fellow, 2020
- Santa Clara University, Cum Laude Graduate 2002
- Santa Clara University, Presidential Scholar, 2001-2002
- Nominated Member, Foreign Language Honor Society, 2002
- Nominated Member, Sociology Honor Society, 2002
- Santa Clara University Dean's List, 1998

## **PROFESSIONAL MEMBERSHIPS**

- Arizona Public Health Association
- American Public Health Association

## **COMMUNITY VOLUNTEER INVOLVEMENT**

- Casa Alitas Migrant Shelter, 2014-2024
- Arizona Welcomes Refugees, 2016-2019