

Melissa Titus, MPH

1425 Mill Ridge Drive, Greenwood, IN 46143

317-627-0243 | mtitus@iu.edu

Education

MPH Epidemiology

May 2015

Richard M. Fairbanks School of Public Health

BGS

May 2007

Indiana University-Purdue University Indianapolis

Career Experience

Faculty

Epidemiology, Richard M. Fairbanks School of Public Health

Present

Acute Infections Diseases and Vaccine Epidemiologist

Marion County Public Health Department

2015 - 2021

Lecturer

Undergraduate Epidemiology, Richard M. Fairbanks School of Public Health

2020-2021 AY

Teaching Assistant

Biostatistics II, Richard M. Fairbanks School of Public Health

Fall 2015

Student Intern

Indiana State Department of Health- Sexually Transmitted Diseases

Fall 2014

Teaching Assistant

Social & Behavioral Sciences, Richard M. Fairbanks School of Public Health

Spring 2014

Assistant Registrar/ Assistant Director Financial Aid

IU School of Medicine

2012 - 2014

Student Records & Financial Aid Coordinator

IU School of Medicine

1999 - 2011

Qualifications

◆ TEACHING SKILLS

- ◆ Building relationships with students
- ◆ Adapting to the changing needs of students
- ◆ Updating teaching style in response to student evaluations
- ◆ Delivering lessons appropriate for the education level of students
- ◆ Setting expectations and goals
- ◆ Being respectful of different personalities and cultures
- ◆ Proactively addressing issues with students and colleagues

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◆ COURSES TAUGHT

- ◆ Introduction to Public Health PBHL-P 109
- ◆ Sores & Drips PBHL-E 395
- ◆ Zombie Apocalypse and Doomsday Infections PBHL-E 210

◆ EPIDEMIOLOGY SKILLS

- ◆ Use SAS Statistical Analysis Software to find descriptive epidemiology characteristics of data, analyze datasets, and look for associations between risk factors and diseases
 - Create programs matching data from many tables in Insight to report on refugee health to CDC, disease characteristics for internal MCPHD use, and tuberculosis surveillance
 - Quality Assurance reporting to find areas of weakness, and work with public health nurses to find ways in which to improve data
 - Helped departments better adopt Futrix and SAS Viya software for their reporting needs, worked with them to improve underlying query over time
- ◆ Research diseases and develop informational materials to educate the public about the disease and its implications
 - Presented informational sessions on Zika, Tuberculosis, Hepatitis C and Opioid Crisis, Hepatitis A, and COVID-19 to multiple community groups, boards, schools, and other public groups
 - Worked with Emergency Preparedness to help plan and execute Hepatitis A, Syringe Exchange, and COVID-19 responses (epidemiology planning portion)
 - Training and advisement on reports for the infectious disease public health nurses
 - Conducted surveillance for influenza season using Essence to create MCPHD Weekly Flu Report, extreme heat and extreme cold alerts for Homeland Security and the city of Indianapolis.
 - Compiled researched information to inform Health Officer about syringe exchange benefits and epidemiology of hepatitis C in Marion County
 - Completed internship in Sexually Transmitted Diseases at ISDH where I produced the state fact sheets on Congenital Syphilis, Syphilis, Chlamydia, Gonorrhea, and other STIs
- ◆ Outbreak Investigation and Intervention
 - Compiled information on diseases for distribution to concerned parties, helped with planning of emergency outbreak interventions at several locations around Marion County, and worked to create reports of outcomes
 - Led several hepatitis A vaccination efforts and assisted in all aspects of outbreak intervention
 - Created automated daily update email to Incident Command Structure for outbreak disease of interest
- ◆ Administer instruments that allow collection of data for use by epidemiologists
 - Administered Youth Risk Behavior Surveillance System (YRBSS) instruments to high schools across the state for Centers for Disease Control and Prevention (CDC) through ISDH Maternal and Child Health Division
- ◆ FEMA Incident and Command System certification
 - FEMA IS-100.B Cert – Introduction to Incident and Command System

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- FEMA IS-200.B Cert – ICS for Single Resources and Initial Action Incidents
- FEMA IS-700.A Cert – National Incident Management System (NIMS)
- FEMA IS-800.B Cert – National Response Framework
- ◆ EPI Corp
 - Volunteer to input data on HIV outbreak in ISDH SWIMMS system; worked to input original patient demographics, labs, social history, risks, and linking them to their sexual and syringe-sharing partners

◆ TECHNICAL SKILLS

- ◆ Proficient in SAS statistical analysis software
- ◆ Futrix and SAS Viya
- ◆ Proficient in Microsoft® Office Suite including Word, Excel, PowerPoint, Publisher
- ◆ Strong working knowledge of Adobe® Acrobat® Professional
- ◆ Use of various national Web portals for reporting/compliance, including National Board of Medical Examiners; Association of American Medical Colleges Student Records System; National Student Loan Services Database for Financial Aid Professionals; Electronic Residency Application Service; and San Francisco Matching Program

◆ ADMINISTRATIVE SKILLS

- ◆ Provided oversight for the integrity and confidentiality of students' personal information and academic records as required by university policy and state/federal regulations
- ◆ Interpreted, explained, and implemented/followed complex policies/regulations including state residency requirements; Homeland Security Regulations; the Health Insurance Portability and Accountability Act of 1996; and the Family Educational Rights and Privacy Act
- ◆ Assessed and redesigned scholarship notification for students
- ◆ Coordinated paperless office initiative using OnBase, including workflow procedures
- ◆ Analyzed data and created ad-hoc reports for registrar, faculty, and staff
- ◆ Served as a troubleshooting resource for various office issues/workflows
- ◆ Oversaw processing of registration of medical students, including maintenance and updating of course information
- ◆ Assisted in the coordination and monitoring of University tuition and fee assessments
- ◆ Assisted with the management of operations, objectives and strategic planning
- ◆ Processed drop/add requests and loan deferral requests
- ◆ As financial aid counselor for medical students, disbursed loans/scholarships
- ◆ Oversaw the process of providing transcripts, verification of degrees and other materials for licensure or hospital/staff appointments
- ◆ Liaised with the National Board of Medical Examiners

◆ COMMUNICATION AND CUSTOMER SERVICE SKILLS

- ◆ Cultivated a student experience for physicians completing a post-doctoral fellowship in Informatics with Regenstrief Institute.
- ◆ Extensive public relations and presentation skills to small and large groups including faculty, students, and parents
- ◆ Assisted faculty and staff in all facets of creating and ordering exams
- ◆ Provided leadership and teambuilding for office staff

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- ◆ Extensive outreach and relationship management skills with diverse groups (including service complaints)
- ◆ Interviewed students and faculty members with special requests.
- ◆ Assisted with application and scheduling of core clerkships, residencies, and dissemination of rosters to course directors, hospitals, and other programs
- ◆ Advised students and monitored progress for registration and degree requirements, including probationary conditions
- ◆ Coordinated administration for all National Board of Medical Examiners exams for the IUSM
- ◆ Assisted with coordination of elective information to third and fourth year students
- ◆ Prepared certification letters, recommendation letters, certification applications, and licensing forms
- ◆ Coordinated Residency Fairs and Meetings as well as Hospital Day/Fourth Year Planning
- ◆ Assisted with special events, including Orientation, Commencement, and White Coat Ceremony

Service and Continuing Education

- ◆ COVID-19 and Vaccine Presentation to over 60 groups around Indiana
- ◆ Interviews on local radio about COVID and vaccines
- ◆ Indiana Infectious Diseases Summit, 2019 Co-presenter, Hepatitis A in Marion County
- ◆ American Lung Association Lung Force Expo, September 2019
- ◆ American Public Health Association Nation Conference, November 2018
- ◆ Indiana Infectious Diseases Summit, 2018
- ◆ Public Health Nurses Conference, 2016-2019
- ◆ *Nurturing new Hoosiers: Refugees in Marion County* (presentation), February 2016
Indiana Environmental Health Association, Central Chapter
- ◆ National TB Conference, February 2016
National Tuberculosis Controllers Association
- ◆ Indiana Food Safety and Defense Task Force, November 2015
Indiana State Department of Health
- ◆ Prescription Drug Abuse Symposium, October 2015
Indiana State Department of Health
- ◆ *Office of Student Financial Services* (joint presentation), August 2010
IU School of Medicine Class of 2014 Parent & Family Orientation
- ◆ *In the Beginning: Money Management* (joint presentation), August 2009
IU School of Medicine Class of 2013 Parent & Family Orientation
- ◆ Indiana University School of Medicine Supervisor Leadership Forum, Fall 2008
- ◆ Indiana University School of Medicine Staff Council, 2008 – 2010
 - Recognitions Committee
 - Public Safety Committee
- ◆ Indiana University-Moi University Partnership, On Call Fundraising Volunteer
- ◆ Susan G. Komen Race for the Cure, On Call Volunteer
- ◆ Greenwood Community Schools, Parent Teacher Organization, On Call Volunteer

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Honors

- ◆ Clinical Informatics Fellowship Excellence in Teaching Award, 2018
- ◆ Most Valuable Employee Award, Marion County Public Health Department, 2018
- ◆ Delta Omega Honorary Society in Public Health, Beta Zeta Chapter, 2016
- ◆ Carol D. Nathan Staff Council Scholarship, 2006 – 2007
- ◆ Medical Student Council Student Award, 2001, 2002, 2003, 2004, 2005, 2006, 2007
Awarded by graduating seniors to a medical school administrator to recognize their dedication, devotion, and concern for the well-being of medical students

Publications

- ◆ Kumar, Gayathri & Pezzi, Clelia & Wien, Simone & Mamo, Blain & Scott, Kevin & Payton, Colleen & Urban, Kailey & Hughes, Stephen & Kennedy, Lori & Cabanting, Nuny & Montour, Jessica & Titus, Melissa & Aguirre, Jenny & Kawasaki, Breanna & Ford, Rebecca & Jentes, Emily. (2020). **Health of special immigrant visa holders from Iraq and Afghanistan after arrival into the United States using domestic medical examination data, 2014–2016: A cross-sectional analysis.** PLOS Medicine. 17. e1003083. 10.1371/journal.pmed.1003083.
- ◆ Pezzi, Clelia & Lee, Deborah & Kumar, Gayathri & Kawasaki, Breanna & Kennedy, Lori & Aguirre, Jenny & Titus, Melissa & Ford, Rebecca & Mamo, Blain & Urban, Kailey & Hughes, Stephen & Payton, Colleen & Scott, Kevin & Montour, Jessica & Jentes, Emily. (2020). **Health screenings administered during the domestic medical examination of refugees and other eligible immigrants in nine US states, 2014–2016: A cross-sectional analysis.** PLOS Medicine. 17. e1003065. 10.1371/journal.pmed.1003065.
- ◆ Pezzi, Clelia & Lee, Deborah & Kennedy, Lori & Aguirre, Jenny & Titus, Melissa & Ford, Rebecca & Cochran, Jennifer & Smock, Laura & Mamo, Blaine & Urban, Kailey & Morillo, Jennifer & Hughes, Stephen & Payton, Colleen & Scott, Kevin & Montour, Jessica & Matheson, Jasmine & Brown, Mary Jean & Mitchell, Tarissa. (2019). **Blood lead levels among resettled refugee children in select US States, 2010–2014.** Pediatrics. 143. e20182591. 10.1542/peds.2018-2591.