

# Curriculum Vitae

## Jeffrey W. Bethel, Ph.D.

Assistant Professor  
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Brody School of Medicine  
East Carolina University

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### EDUCATION

Ph.D., Epidemiology, University of California, Davis, June, 2005

Dissertation: Farm Work and the Epidemiological Paradox of Low Birthweight Deliveries to Hispanic Women in California. Major Professor: Dr. Marc Schenker, MD, MPH.

Bachelor of Science, Biochemistry, University of California, Davis, December, 1997.

### PROFESSIONAL EXPERIENCE

**Assistant Professor**, East Carolina University, Brody School of Medicine, Department of Public Health, August 2008 to present

**Science Advisor**, North Carolina Agromedicine Institute, East Carolina University, October, 2009 to present

**Epidemiologist**, Centers for Disease Control and Prevention, National Center for Preparedness, Detection and Control of Infectious Disease, Division of Global Migration and Quarantine, May 2007 – July 2008

**CDC/CSTE Applied Epidemiology Fellow**, Centers for Disease Control and Prevention, National Center for Preparedness, Detection and Control of Infectious Disease, Division of Global Migration and Quarantine, August 2005 – May 2007

**Graduate Student Researcher**, University of California, Davis, Department of Public Health Sciences, July 2001 – June 2005

**Teaching Assistant**, University of California, Davis, Department of Statistics, September 2000 – December 2000

## TEACHING

### East Carolina University

MPH 6011-001	Introduction to Epidemiology
MPH 6011-601	Introduction to Epidemiology (distance education)
MPH 6020	Research Methods
MPH 6036-001	Fundamentals in Agromedicine
MPH 6036-601	Fundamentals in Agromedicine (distance education)
MPH 6991/2	Professional Paper I & II
BIOS 5010	Epidemiology for Public Health Professionals (distance education)

## RESEARCH FUNDING

### **Collaborative Integration of Public Health Content into Undergraduate Education**

Association of Prevention Teaching and Research (APTR), \$14,974

Role: PI

### **Enhancing Prevention and Population Health Education**

Association of Prevention Teaching and Research (APTR), \$273,594

Role: Co-PI

### **An Investigation of Enhanced Approaches to the Medically Fragile during a Coastal Emergency (PI: Little, R).**

Renaissance Computing Institute (RENCI), \$125,000.

Role: Co-I

### **Knowledge, Attitudes and Practices of Heat-Related Illness among Farmworkers**

National Institute of Occupational Safety and Health (NIOSH), \$174,708 (pending)

Role: PI

### **Disaster Preparedness among Latino Migrant and Seasonal Farmworkers in Eastern North Carolina**

National Science Foundation (NSF), \$399,587 (pending)

Role: PI

## PUBLICATIONS

**Bethel JW**, Foreman A, and Burke S. Disaster preparedness among medically vulnerable populations. Am J Prev Med. 2011;40(2):139-43.

Lynch S, **Bethel JW**, Moore JB. Regional Breastfeeding Trends in Low Income Women in North Carolina from 2003-2007. (under review; submitted to American Journal of Public Health, September 2010)

**Bethel JW** and Waterman SH. West Nile virus knowledge among Hispanics, San Diego County, California, USA, 2006. *Emerg Infect Dis.* 2010;16(8):1324-6.

Jilcott SB, Liu H, Moore JB, **Bethel JW**, Wilson J, Ammerman AS. Commute times, food retail gaps and body mass index in North Carolina counties. *Prev Chron Dis.* 2010;7(5):A107.

**Bethel JW**, Walsh J, Schenker MB. Preterm, low birthweight deliveries and farmwork among Hispanics in California. (under review; submitted to Journal of Occupational and Environmental Medicine)

Ward R, **Bethel JW**, Jilcott SB. Acculturation, Food Security, Diet Quality and Body Mass Index Among Preconception-aged Latino Women in eastern North Carolina. (under review; submitted to Journal of Family and Community Health)

**Bethel JW** and Waterman SH. Knowledge, attitudes, and practices regarding influenza control measures among Hispanics in San Diego County – 2006. *Ethnicity & Disease,* 2009;19(4):377-83.

Waterman SH, Escobedo M, Wilson T, Edelson PJ, **Bethel JW**, Fishbein DB. A new paradigm for quarantine and public health activities at land borders: opportunities and challenges. *Public Health Reports* 2009; 124(2):203-12.

**Bethel JW** and Schenker MB. 2005. The association between acculturation and smoking patterns among Hispanics: a review. *Am J Prev Med.* 2005; 29(2):143-48.

Kelley GO, Zagmutt-Vergara FJ, Leutenegger CM, **Bethel JW**, et al. Evaluation of quantitative real-time PCR rapid assessments of the exposure of sentinel fish to *Myxobolus cerebralis*. *Parasitol Res.* 2006;99(4):328-35.

Kasirye OC, Walsh JA, Romano PS, Beckett LA, JA Garcia JA, Elvine-Kreis B, Bethel JW, Schenker MB. Acculturation in a rural Latina population and its association with health-risk behaviors. *Ethn Dis.* 2005 Autumn;15(4):733-9.

## **ABSTRACTS AND PRESENTATIONS**

Doherty L, Cummings DM, **Bethel JW**, Bica D. H3D: Heart Health in High-Risk Diabetics. A program evaluation of a diabetes care management program: Research in Progress. Presented at North American Primary Care Research Group (NAPCRG) 2010 Annual Meeting, November 2010.

Foreman A, May C, Burke S, **Bethel JW**. Assessing Disaster Preparedness among Latino Migrant and Seasonal Farmworkers in eastern North Carolina. Presented at the 2010 North Carolina Public Health Association Conference (NCPHA), October 2010.

**Bethel JW**, Foreman A, Burke S. Differences in natural disaster preparedness by perceived health and disability status. Presented at the 2010 Council of State and Territorial Epidemiologists Conference (CSTE), June 2010.

**Bethel JW**. Examination of Differences in Disaster Preparedness Levels by Race/Ethnicity. Presented at the 6<sup>th</sup> Annual Jean Mills Symposium, February 2010.

Lynch S, **Bethel JW**, Moore JB. Regional Breastfeeding Trends in Low Income Women in North Carolina from 2003-2007. Presented at the 6<sup>th</sup> Annual Jean Mills Symposium, February 2010.

Ward RK, Jilcott SB, **Bethel JW**. Acculturation, food insecurity, diet quality and body mass index among preconception-aged Latino women in eastern North Carolina. Presented at the 6<sup>th</sup> Annual Jean Mills Symposium, February 2010.

**Bethel JW**, Little R, Novick L. An Investigation of Enhanced Approaches to Identify the Medically Fragile during a Coastal Emergency. Presented at the 2009 Council of State and Territorial Epidemiologists Conference (CSTE), June 2009.

Kunkel R, Marano C, Mitruka K, **Bethel JW**, Finelli L, Slaton D. Preparation for an Influenza Pandemic: Surveillance of Influenza-like Illness on Cruise Ships. Presented at the 2009 Council of State and Territorial Epidemiologists Conference (CSTE), June 2009.

Kleffman M, **Bethel JW**, Moore JB. Development and Implementation of Pediatric Oral Health Education Program Targeting Mothers in Pitt County, North Carolina – 2008. Presented at the Mills Annual Health Symposium, February 2009.

**Bethel JW**, Ginsberg M, Waterman S. Knowledge, attitudes, and practices about influenza prevention measures among Hispanics in San Diego County – 2006. Presented at the 2008 International Conference on Emerging Infectious Diseases (ICEID), March, 2008.

**Bethel JW**, Ginsberg M, Waterman S. Knowledge, attitudes, and practices about West Nile virus among Hispanics in San Diego County – 2006. Presented at the 2007 American Society of Tropical Medicine and Hygiene Conference (ASTMH), November 2007.

**Bethel JW**, Ginsberg M, Waterman S. Hispanic Health Awareness and Practices Survey (HHAPS). Presented at the 2007 Council of State and Territorial Epidemiologists Conference (CSTE), June 2007.

**Bethel JW**, Ginsberg M, Waterman S. Knowledge, attitudes, and practices about lead-based cultural influences among Hispanics in San Diego County – 2006. Presented at the 2007 Council of State and Territorial Epidemiologists Conference (CSTE), June 2007.

**Bethel JW**, Ginsberg M, Waterman S. Evaluation of Hepatitis A Surveillance in San Diego County (2003 – 2004). Presented at the 2006 Council of State and Territorial Epidemiologists Conference (CSTE), June 2006.

**Bethel JW**. Preterm Low Birthweight Deliveries Among Hispanic Farm Workers in California. Presented at the 2006 Council of State and Territorial Epidemiologists Conference (CSTE), June 2006.

Bethel JW. Cigarette Smoking among Pregnant Latinas in San Joaquin County: The Role of Acculturation.\* Presented at the 2005 American Thoracic Society Conference, May 2005

\* highlighted by the ATS Assembly on Behavioral Science as an example of the focus and quality of original research.

**Bethel JW**, Elvine-Kreis BJ, Kasirye O, Beckett L, Walsh J, Schenker MB. Farm Work and Preterm Low Birthweight (PTLBW) Delivery Among Hispanic Women in California. Presented at the 2004 conference: Cultivating a Sustainable Agricultural Workplace. Sponsored by the Pacific Northwest Agricultural Safety and Health Center and Western Center for Agricultural Health and Safety.

## **AWARDS**

Engagement and Outreach Scholars Academy (EOSA), East Carolina University, May, 2010.

National Center for Preparedness, Detection, and Control of Infectious Diseases Honor Award Certificate, May, 2008.

Floyd and Mary Schwall Fellowship in Medical Research, 2003-2005

UC Davis & Humanities Graduate Research Award, 2003-2004.

Western Center for Agricultural Health & Safety Graduate Student Funding Award, January 2003.

## **UNIVERSITY SERVICE**

Chair, Accreditation Committee, Masters of Public Health Program, East Carolina University, 2008 to present

Chair, Evaluation Committee, Masters of Public Health Program, East Carolina University, 2008 to present

Member, Professional Paper Committee, Masters of Public Health Program, East Carolina University, 2008 to present

Member, Doctoral Committee, Masters of Public Health Program, East Carolina University, 2008 to present

Member, Vice Chairs for Diversity Initiative (VCDI), Brody School of Medicine, East Carolina University, 2008 to present

Member, Student Opinion of Instruction Survey (SOIS) II Committee, East Carolina University, 2008 to present

Advisory Board Member, Nuevo South Action Research Initiative, East Carolina University, 2010 to present

## **NATIONAL SERVICE**

Member, Disaster Epidemiology Committee, Council of State and Territorial Epidemiologists (CSTE), 2009 to present

Member, Border Health Committee, Council of State and Territorial Epidemiologists (CSTE), 2006 to present

Member, Public Health Preparedness and Response Core Competencies Workgroup, Association of Schools of Public Health (ASPH), 2009 to present

Member, Undergraduate Public Health Learning Outcomes Workgroup, Association of Schools of Public Health (ASPH), 2009 to present

## **JOURNAL REVIEWER**

Journal of Public Health Management and Practice  
Ethnicity and Disease

Journal of Multidisciplinary Healthcare

Journal of Epidemiology and Community Health

## **PROFESSIONAL AFFILIATIONS**

Council of State and Territorial Epidemiologists (CSTE)

American Public Health Association (APHA)