

Dr. David Nganwa

Selected Peer-reviewed Publications:

- 1) Rupak Chowdhury, **Nganwa David**, Asseged Bogale, Shami Nandy, T. Habtemariam, Berhanu Tameru. 2016. Assessing the Key Attributes of Low Utilization of Mammography Screening and Breast-self Exam among African-American Women, *J Cancer* 2016; 7(5):532-537. doi:10.7150/jca.12963
- 2) Woube YA, Dibaba AB, Tameru B, Fite R, **Nganwa D.**, Robnett V, Demisse A, Habtemariam T. (2015) Quantitative risk assessment of entry of contagious bovine pleuropneumonia through live cattle imported from northwestern Ethiopia. *Preventive Veterinary Medicine* 122(1-2):61-69
- 3) Berhanu Tameru, Gemechu Gerbi, **David Nganwa**, Asseged Bogale, Vinaida Robnett and Tsegaye Habtemariam (2012). The Association between Interrelationships and Linkages of Knowledge about HIV/AIDS and its Related Risky Behaviors in People Living with HIV/AIDS. *J AIDS Clin Res.*; 3(7): 1–7
- 4) Berhanu Tameru, **David Nganwa**, Asseged Bogale, Vinaida Robnett and Tsegaye Habtemariam (2012). The Role of Computational Epidemiology and Risk Analysis in the Fight Against HIV/AIDS. *Journal of AIDS and Clinical Research* 3 (6) 107-110

Asseged B., Habtemariam T., Tameru B., **Nganwa D.** & Fite R. (2012). A quantitative assessment of the risk of introduction of Foot and Mouth Disease (FMD) Virus into USA via cloned bovine embryos. *OIE Scientific and Technical Review*. 31(3):761-775
- 5) Berhanu Tameru, **David Nganwa**, Asseged Bogale, Vinaida Robnett and Tsegaye Habtemariam (2012). The interrelationships and linkages of HIV/AIDS knowledge awareness and HIV/AIDS risky behaviors in people living with HIV/AIDS. *Journal of AIDS and Clinical Research*;3(7):1-7
- 6) Gemechu B. Gerbi, Tsegaye Habtemariam, **David Nganwa**, Vinaida Robnett, and Berhanu Tameru, (2012). Psychosocial factors as predictors of HIV/AIDS risky behaviors among People Living with HIV/AIDS. *Journal of AIDS and HIV Research* 4(1):8 – 16
- 7) Asseged, B.D., Habtemariam T., Tameru B., **Nganwa D.** (2012). The risk of introduction of Equine infectious anemia virus into USA via cloned horse embryos imported from Canada. *Theriogenology*. 77:445–458
- 8) Gemechu B. Gerbi, Tsegaye Habtemariam, **David Nganwa**, Vinaida Robnett, and Berhanu Tameru, (2012). The association between religious affiliation and frequency

of attendance at religious services on HIV risky behaviors among People Living with HIV/AIDS. *Journal of AIDS and HIV Research* 4(1):8-16

- 9) Gemechu B. Gerbi, Tsegaye Habtemariam, Berhanu Tameru, **David Nganwa**, and Vinaida Robnett (2012). A quantitative risk assessment of multiple factors influencing HIV/AIDS transmission through unprotected sex among HIV-seropositive men. *AIDS Care: Psychological and Socio-medical Aspects of AIDS/HIV* (24)3:331-339.
- 10) Abdalla E, HabteMariam T, **Nganwa D.**, Dibaba AB, Gerbi G, Vinaida R, Tameru B. (2011). Epidemiology of influenza A 2009 H1N1 virus pandemic in the U.S. *J Health Care Poor Underserved*. 22(4 Suppl), 39-60
- 11) Gemechu B. Gerbi, Tsegaye Habtemariam, Berhanu Tameru, **David Nganwa**, and Vinaida Robnett (2011). Psychosocial Responses Associated with Perceived Risk of Cancer in An African-American Community. *Psychological Reports* 109(1):93-98
- 12) Gemechu B. Gerbi, Tsegaye Habtemariam, Berhanu Tameru, **David Nganwa**, and Vinaida Robnett (2011). A comparative study of substance use before and after establishing HIV infection status among people living with HIV/AIDS. *Journal of Substance Use* 16(6):464-475
- 13) Gemechu B. Gerbi, Tsegaye Habtemariam, Berhanu Tameru, David Nganwa, and Vinaida Robnett (2011). The Association Between Substance Use and Risky Sexual Behaviors Among Middle School Children. *Journal of Substance Use*: 16(5):339-347
- 14) Gemechu B. Gerbi, Tsegaye Habtemariam, Berhanu Tameru, David Nganwa, and Vinaida Robnett (2010). A comparative study of substance use before and after establishing HIV infection status among people living with HIV/AIDS. *Journal of Substance*. 16(6):464–475
- 15) Gemechu B. Gerbi, Cheryl G. Davis, Tsegaye Habtemariam, Berhanu Tameru, **David Nganwa**, Vinaida Robnett. (2010). The association between substance use and risky sexual behaviors among middle school children. *Journal of Substance Use* : 1–9. (Posted online on 27 Sep 2010.)
- 16) **David Nganwa**, DVM; Tsegaye Habtemariam, PhD; Berhanu Tameru, PhD; Gemechu Gerbi, MS; Asseged Bogale, DVM; Vinaida Robnett, MS; Wanda Wilson, BS (2010). Applying The Epidemiologic Problem Oriented Approach (EPOA) Methodology In Developing A Knowledge Base For The Modeling Of HIV/AIDS. *Ethnicity & Disease*, 20 (suppl 1):173-177
- 17) Tameru Berhanu, Habtemariam Tsegaye, **Nganwa David**, Gerbi Gemechu, Bogale Asseged, Robnett Vinaida and Wilson Wanda (2010). Assessing HIV/AIDS

Intervention Strategies Using an Integrative Macro-Micro Level Computational Epidemiologic Modeling Approach. *Ethnicity & Disease*, 20 (suppl 1):207-210

- 18) C. Lane, A. B. Tameru, **D. Nganwa**, T. Habtemariam, B. Asseged, V. Robnett, and S. Wilson (2009). A Quantitative Risk Assessment for the Likelihood of Introduction of Highly Pathogenic Avian Influenza Virus Strain H5N1 into U.S. Hunter Retriever Dogs. *Avian Diseases* 54(1):699-706
- 19) Gemechu B. Gerbi, Tsegaye Habtemariam, Berhanu Tameru, **David Nganwa**, Vinaida Robnett. (2009). The correlation between alcohol consumption and risky sexual behaviours among people living with HIV/AIDS. *Journal of Substance Use* 14(2):90-100
- 20) Zekeri A. Andrew., Habtemariam, T., Tameru, B., **Nganwa, D.** and Robnett, V. (2009). Conspiracy beliefs about HIV/AIDS among HIV-Positive African American Patients in rural Alabama. *Psychological Reports*, 104:388-394
- 21) Habtemariam, T., Tameru, B., **Nganwa, D.**, Beyene, G., Ayanwale, L., Robnett, V. and Wilson, W. (2008). Epidemiologic Modelling of HIV/AIDS: Use of Computational Models to Study the Population Dynamics of the Disease to Assess Intervention Strategies for Decision-Making. *Advances in Systems Science and Applications (ASSA)*, 8(1): 35 -39
- 22) Tameru, B., Habtemariam, T., Nganwa, D., Ayanwale, L., Beyene, G., Robnett V., and Wilson, W. (2008). Computational Modelling of Intracellular Viral Kinetics and CD4+ Cellular Population Dynamics of HIV/AIDS. *Advances in Systems Science and Applications (ASSA)*, 8(1):40 – 45
- 23) Habtemariam, T., Tameru, B., **Nganwa, D.**, Beyene, G., Ayanwale, Robnett, V., Wilson, W., and Zekeri, A. (2008). A Conceptual Multivariate Modelling Approach for Integrating Epidemiologic and Psychosocial Determinants to Examine Diseases in Under-served Populations. *Advances in Systems Science and Applications (ASSA)*, 8(2):201-205
- 24) Tameru, B., Gebremadhin, B., Habtemariam, T., **Nganwa, D.**, Ayanwale, O., Wilson, S., Robnett, V., and Wilson, W. (2008). Developing a Generic Risk Assessment Simulation Modelling Software Tool for Assessing the Risk of Foot and Mouth Disease Virus Introduction. *Advances in Systems Science and Applications (ASSA)*, 8(2):206-211
- 25) Debretsion, A., T. Habtemariam, S. Wilson, **D. Nganwa**, T. Yehualalaeshet (2008) "Real-time PCR assay for rapid detection and quantification of *Campylobacter jejuni* on chicken rinses from poultry processing plant". *Molecular and Cellular Probes*. 21:177-181

Book Chapters:

- 1) **Nganwa D.** and Asseged B. (2014). Distribution, Public Health Significance, and Control Status of Bovine Tuberculosis Caused by *Mycobacterium bovis* in Uganda. In: Thoen, Steel & Kaneene (eds). Zoonotic Tuberculosis: *Mycobacterium bovis* and Other Pathogenic Mycobacteria. 3rd ed. Wiley-Blackwell. 133-149
- 2) Berhanu Tameru, **David Nganwa**, Asseged Bogale, Vinaida Robnett and Tsegaye Habtemariam.(2014) The Role of Computational Epidemiology and Risk Analysis in the Fight against HIV/AIDS". Book Chapter "Epidemiology I- Theory, Research and Practice", ISBN 978-1-922227-331 (Hardcover)
- 3) Abdalla E. and **D. Nganwa**. Factors Contributing to the Transmission of Bovine Tuberculosis caused by *Mycobacterium bovis* and Its Control Status in Sudan. . In: Thoen, Steel & Kaneene (eds). Zoonotic Tuberculosis: *Mycobacterium bovis* and Other Pathogenic Mycobacteria. 3rd ed. Wiley-Blackwell. 159-174
- 4) Gemechu B. Gerbi, TsegayeHabtemariam, Berhanu Tameru, **David Nganwa**, Vinaida Robnett, and Sibyl K. Bowie. "Triple Challenges of Psychosocial Factors, Substance Abuse, and HIV/AIDS Risky Behaviors in People Living with HIV/AIDS" pp: 135-158: In: Social and Psychological Aspects of HIV/AIDS and their Ramifications, ISBN 978-953-307-640-9 edited by: Gobopamang Letamo Publisher: InTech, (2011)

List of Presentations in National/International Conferences:

- 1) A Quantitative Risk Assessment for the Likelihood of Obesity Developing in African American Adults Living in Macon County Alabama. Stewart, K., Gerbi, G., **Nganwa, D.**, Bogale, A., Robnett, V., Tameru, B., Abdalla, E., Habtemariam, T. 13th RCMI International Symposium on Health Disparities. December 10-13, 2012 in San Juan, Puerto Rico
- 2) A Quantitative Risk Assessment of Lifestyle for Risk of High Blood Pressure. Lane, C., Habtemariam, T., **Nganwa, D.**, Asseged, B., Gerbi, G., Robnett, V., and Tameru, B. 13th RCMI International Symposium on Health Disparities. December 10-13, 2012 in San Juan, Puerto Rico
- 3) Socioeconomic and Demographic Factors as Predictors of Health Disparities in Screening Tests for Breast and Cervical Cancers of Females in Four Black Belt Counties BBC (Barbour, Macon, Green and Wilcox) of Alabama. Abdalla, E., Tameru, B., Gerbi, G., Habtemariam, T., **Nganwa D.**, Asseged, B., Robnett, V. 13th RCMI International Symposium on Health Disparities. December 10-13, 2012 in San Juan, Puerto Rico

- 4) A Risk Assessment of HIV Transmission Focusing on Risky Behaviors. **D.Nganwa**; T. Habtemariam; B. D. Asseged; G. Gerbi; V. Robnett; B. Tameru. 13th RCMI International Symposium on Health Disparities. December 10-13, 2012 in San Juan, Puerto Rico
- 5) Abdalla, E., B. Tameru, T. Habtemariam, **D. Nganwa**, B. Asseged, G. Gerbi, and V. Robnett, Presenter Abdalla, A preliminary Spatio-Epidemiologic Analysis of a Novel Influenza A (H1N1) Virus Outbreak in USA [from early surveillance data (April-December 12, 2009)]. Research and Creative Activities Symposium 2010, Alabama State University, Montgomery, Alabama March 17-18 2010
- 6) Abdalla, E., B. Tameru, T. Habtemariam, **D. Nganwa**, B. Asseged, G. Gerbi, and V. Robnett, Presenter Abdalla, A preliminary Spatio-Epidemiologic Analysis of a Novel Influenza A (H1N1) Virus Outbreak in USA [from early surveillance data (April-December 12, 2009)]. International Symposium on Neglected Influenza Viruses. International Society for Influenza and other Respiratory Virus Diseases. Amelia Island, Florida USA. February 3-5 2010
- 7) Gerbi G, Habtemariam H, Tameru B, **Nganwa D.**, Robnett V, and A. Dibaba, Presenter Gerbi, A Quantitative Risk Assessment of Multiple Factors Influencing HIV/AIDS Transmission in HIV-Seropositive Men Using Epidemiologic Problem Oriented Approach (EPOA) Methodology. Society for Risk Analysis 2009 Annual Meeting: *The Evolution of a Science*. Renaissance Inner Harbor in Baltimore, Maryland December 9, 2009
- 8) **Nganwa D.**, Tameru B, Habtemariam T, Bogale A, Robnett V, and S. Wilson, Presenter Nganwa, Developing Risk Assessments in Animal Trade: The role of the EPOA Methodology using Beef importation as a likelihood pathway of introduction of FMD virus into USA. Society for Risk Analysis 2009 Annual Meeting: *The Evolution of a Science*. Renaissance Inner Harbor in Baltimore, Maryland, December 9, 2009
- 9) Okeke W, Tameru B, Habtemariam T, **Nganwa D**, Bogale A, Wilson S, and V. Robnett, Presenter Okeke, A quantitative risk assessment for the likelihood of Escherichia-coli O157:H7 contaminating of beef carcasses in processing plants in the USA. Society for Risk Analysis 2009 Annual Meeting: *The Evolution of a Science*. Renaissance Inner Harbor in Baltimore, Maryland, December 9, 2009.

International Conferences, 2nd, and 3rd Pan African Conferences:

Sponsored by United States Department of Agriculture/Animal and Plant Health Inspection Service/International Technology and Regulatory Capacity Building (USDA/APHIS-ITRCB) United States Agency for International Development (USAID) and Tuskegee University.

- 1) 2007 Hyderabad - U.S. and India Agricultural Knowledge Initiative.

Africa Trade and Investment Program (ATRIP) funded by USAID.

To address Sanitary/Phytosanitary (SPS) Regulations and Science Based Risk Analysis for Capacity Building Activities to Promote Global Trade of agricultural products in Africa.

1. 2008 Pretoria, South Africa,
2. 2009 Accra, Ghana,
3. 2011 Addis Ababa, Ethiopia,
4. 2011 Accra Ghana,
5. 2011 and 2013 Addis Ababa, Ethiopia
6. 2nd Pan African Conference on Sanitary and PhytoSanitary Measures and Science based Risk Analysis – Theme “This is the African Century”. 2015 Addis Ababa, Ethiopia.
7. 3rd Pan African Conference on Sanitary and PhytoSanitary Measures and Science based Risk Analysis – Theme “Risk and Trade Challenges in the 21st Century”. May 16 – 27, 2016 Addis Ababa, Ethiopia.