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PROFESSIONAL EXPERIENCE

2013 - Research Scholar, Duke Global Health Institute (DGHI), Duke University
2012-2013 Lead Epidemiologist, SciMetrika, LLC
2011-2012 Senior Epidemiologist, SciMetrika, LLC
2008-2011 Senior Research Scientist, Division of Epidemiology, NYC Department of
Health & Mental Hygiene
2006-2008 Health Research Consultant, New York Obesity Research Center, Columbia
University
2005-2006 Analyst, Department of Public Health and Clinical Excellence, London
Health Authority
2001-2004 Research Assistant, Division of General Internal Medicine, University of
Washington

FIELDS OF INTEREST: Epidemiologic methods, program evaluation, infectious disease transmission, disease surveillance, electronic health records.

EDUCATION

2008 PhD Infectious Disease Epidemiology, London School of Hygiene & Tropical Medicine
2004 MA Medical Geography, University of Washington
1999 BS Biology, College of Charleston

COMMITTEES & PANELS

Member, advisory committee, DGHI Evidence Lab
Co-Chair, Social Entrepreneurship Accelerator at Duke (SEAD) research committee
Member, masters of science in global health, admission review committee, DGHI

PROFESSIONAL AFFILIATIONS

Member, Society for Epidemiologic Research
Member, International Society for Disease Surveillance
Member, American Public Health Association
Member, North Carolina Healthcare Information and Communications Alliance

PUBLICATIONS

Johnson E, **Egger JR**, Lowe B, Durbin R, Griffin E, Dhakal S, Dey A, Groseclose S. Examining the Utility of Electronic Clinical Encounter and Medical Claims Data for Use in Public Health Surveillance (*submitted*).

Park PH, Wambui CK, Atieno S, **Egger JR**, Misoi L, Nyabundi JS, Pastakia SD, Bloomfield GS, Kamano JH. Improving Diabetes Management and Cardiovascular Risk Factors Through Peer-Led Self-management Support Groups in Western Kenya. *Diabetes Care*. 2015 Aug;38(8).

Stanifer JW, Maro V, **Egger JR**, Karia F, Thielman N, Turner EL, Shimbi D, Kilaweh H, Matemu O, Patel UD. The Epidemiology of Chronic Kidney Disease in Northern Tanzania: A Population-Based Survey. *PLoS One*. 2015 Apr 17;10(4).

Sumner SA, Pallangyo AJ, Reddy EA, Maro V, Pence BW, Lynch C, Turner EL, **Egger JR**, Thielman NM. Effect of free distribution of safety equipment on usage among motorcycle-taxi drivers in Tanzania--A cluster randomised controlled trial. *Injury*. 2014 November, 45(11).

Xie G, Laskowitz DT, Turner EL, **Egger JR**, Shi P, Ren F, Gao W, Wu Y. Baseline Health-Related Quality of Life and 10-Year All-Cause Mortality among 1739 Chinese Adults. **PLoS One**. 2014, Jul 9;9 (7) e101527.

Wilson E, **Egger JR**, Nguyen T. A School Nurse Visit-Based Syndromic Surveillance System and Comparison to Emergency Department Visits, New York City. *American Journal of Public Health*, 2014, January, 104(1): e50-6.

Agolory SG, Barbot O, Averhoff F, Weiss D, Konstan E, **Egger JR**, Wilson E, Miller J, Ogbuanu I, Walton S, Kahn E. Evaluation of Implementation of Non-pharmaceutical Interventions to Prevent 2009 Pandemic Influenza A (pH1N1) in New York City Public Schools. *PLoS ONE*, 2013 January, 8(1).

Weisfuse IB, Tsibane T, Konty KJ, **Egger JR**, Waddell EN, Rahmat S, Harris E, Olson DR, Basler CF. Seroprevalence of Pandemic Influenza Viruses Among A Population Based Sample of New York City Adults, Collected in 2004. *Emerging Infectious Diseases*, 2012 November, 18(11).

Egger JR, Gatewood-Hoen A, Brownstein J, Buckeridge D, Olson D, Konty KJ. Usefulness of School Absenteeism Data for Predicting Influenza Outbreaks, United States [Letter]. *Emerging Infectious Diseases*, 2012 August, 18(8).

Egger JR, Konty K, Wilson E, Karpati A, Matte T, Weiss D, Barbot O. The Effect of School Dismissal on Rates of Influenza-Like Illness in New York City Schools during the Spring 2009 Novel H1N1 Outbreak. *J School Health*. 2012 March, 82(3): 123-30.

Drobnik A, Konty K, **Egger JR**, Banach D, Rude E. Public health implications of rapid hepatitis C screening with an oral swab for community-based organizations serving high-risk populations. *American Journal of Public Health*. 2011 November, 101(11) 2151-5.

Egger JR, Konty K, Borrelli J, Cumiskey J, Blank J. Monitoring Temporal Changes in the Specificity of an Oral HIV Test: A Novel Application for Use in Postmarketing Surveillance. *PLoS ONE*. 2010 August, 5(8).

Presanis AM, De Angelis D; **New York City Swine Flu Investigation Team**, Hagy A, Reed C, Riley S, Cooper BS, Finelli L, Biedrzycki P, Lipsitch M. The severity of pandemic H1N1 influenza in the United States, from April to July 2009: a Bayesian analysis. *PLoS Med*. 2009 December, 6(12), 1-12.

Konty K, **Egger JR**, Kerker BD, Maldin B, Raphael M. Letter Regarding: Piegorsch, W.W., Cutter, S.L., and Hardisty, F. (2007). Benchmark analysis for quantifying urban vulnerability to terrorist incidents. *Risk Analysis*. 2009 September, 27(6), 1411-1425.

Laferrère B, Teixeira J, McGinty J, Tran H, **Egger JR**, Colarusso A, Kovack B, Bawa B, Koshy N, Lee H, Yapp K, Olivan B. Effect of weight loss by gastric bypass surgery versus hypocaloric diet on glucose and incretin levels in patients with type 2 diabetes. *J Clinical Endocrinol Metab*. 2008 July, 93(7), 2479-85.

Egger, JR and Coleman PG. Age and Clinical Dengue Illness. *Emerging Infectious Diseases*. 2007 June, Vol. 13, No. 6, 924-925.

Egger JR, Ooi EE, Kelly DW, Woolehouse MJE, Davies CR, Coleman PG. Reconstructing historical changes in the force of infection of dengue fever in Singapore: implications for surveillance and control. *Bulletin of the World Health Organization* 2008 March 86(3): 187-96.

Fenton JJ, **Egger JR**, Carney PA, Cutter GR, D'Orsi CJ, Sickles E, Fosse JS, Abraham LA, Taplin SH, Barlow WE, Hendrick RE, Elmore JG. Reality Check: Perceived versus Actual Performance of Community Mammographers. *American Journal of Roentgenology*. 2006 July 187(1): 42-6.

Egger JR, Cutter GR, Taplin SH, Carney PA, Barlow WE, Hendrick RE, D'Orsi CJ, Elmore JG. Mammographer's Perception of Breast Cancer Risk for Individual Women. *Medical Decision Making*. 2005 May/June 25(3): 283-289

Hendrick RE, Cutter GR, Berns E, Nakano C, **Egger JR**, Carney PA, Abraham LA, Taplin SH, D'Orsi CJ, Barlow WE, Elmore JG. Community-Based Mammography Practice: Services, Charges, and Interpretation Methods. *American Journal of Roentgenology*. 2005 Feb; 184(2):433-8

Elmore JG, Carney PA, Abraham LA, Barlow WE, **Egger JR**, Fosse JS, Cutter GR, Hendrick RE, D'Orsi CJ, Paliwal P, Taplin SH. The association between obesity and screening mammography accuracy. *Arch Intern Med*. 2004 May 24; 164(10): 1140-7.

INVITED PRESENTATIONS

International Society for Disease Surveillance, 2012 Annual Meeting, San Diego, CA. ***Evaluation of Clinical and Administrative Data to Augment Public Health Surveillance*** (Oral presentation).

North Carolina Healthcare Informatics and Communications Alliance, Informatics Workgroup, 2012, Research Triangle Park, NC. ***The use of medical claims and electronic health record data to improve healthcare surveillance and clinical quality measurement*** (Oral presentation).

Centers for Disease Control & Prevention, Statistics Advisory Group, 2011, Atlanta, GA. ***Evaluation of Clinical and Administrative Data to Augment Public Health Surveillance*** (Oral presentation).

American Public Health Association, 2011 Annual Meeting, Washington, DC. ***Rapid hepatitis C screening using an oral swab: Public health implications for community-based organizations serving high-risk populations*** (Poster presentation).

Society for Epidemiologic Research, 2010 Annual Meeting, Seattle, WA. ***Monitoring Temporal Changes in the Specificity of an Oral HIV Test*** (Poster presentation).

International Society for Disease Surveillance, 2010 Annual Meeting, Park City, UT. ***Usefulness of School Absenteeism Data for Predicting Influenza Outbreaks, United States*** (Oral presentation).

International Society for Disease Surveillance, 2009 Annual Meeting, Miami, FL. ***The Effect of School Dismissal on Rates of Influenza-Like Illness in New York City Schools during the Spring 2009 Novel H1N1 Outbreak*** (Oral presentation).

Johns Hopkins University, Department of Epidemiology, 2009, Baltimore, MD. ***The Effect of School Dismissal on Rates of Influenza-Like Illness in New York City Schools during the Spring 2009 Novel H1N1 Outbreak*** (Oral presentation).

Second International Congress on Dengue and Yellow Fever, 2004, Havana, Cuba, 2004. ***A Political Ecological Analysis of the Emergence and Proliferation of Dengue and Dengue Hemorrhagic Fever in Port of Spain, Trinidad and Tobago*** (Poster presentation).

Association of American Geographers, 2004 Annual Meeting, Philadelphia, PA. ***Building on a Political Ecological Framework of Infectious Disease*** (Oral presentation).

GRANT AND CONTRACT AWARDS

National Institutes of Health, Small Business Innovation Research Program, 2014 (Co-investigator). Epic Allies: A smartphone app for ART uptake and adherence among YMSM [Grant No. 2 R44 MH102096-02]

Alfred P. Sloane Foundation, 2010. Augmenting Statistical Methods for Public Health Syndromic Surveillance Systems [Grant No. 2010-12-14, \$1,250,058].

Food and Drug Administration, Center for Biologics Evaluation and Research, Office of Biostatistics and Epidemiology, 2012 (Investigator). A Study on the Impact of Various Bias Parameters on Study Designs Using Quantitative Bias Analysis via Simulations [Contract No. FDA-SOL-1100707, \$310,000].

Centers for Disease Control & Prevention, National Center for Chronic Disease Prevention and Health Promotion, Division of Cancer Prevention and Control, 2012 (Investigator). Lung Cancer Screening Surveillance [Contract No. 200-2008-27889, Task Order 18, \$145,000].

Centers for Disease Control & Prevention, National Center for Chronic Disease Prevention and Health Promotion, Health Related Quality of Life Branch, 2012 (Investigator). [Contract No. 200-2008-27889, Task Order 23, \$131,000].

Centers for Disease Control & Prevention, National Center for Injury Prevention and Control, Division of Unintentional Injury Prevention, 2012 (Investigator). Surveillance and Epidemiology of Traumatic Brain Injury [Contract No. 200-2012-M-53715, \$148,987].

Food and Drug Administration, Center for Tobacco Products, 2013 (Co-Investigator). Research to Expand the Evidence Base for the CTP Policy Options [Contract No. HHSF223201310024I, Single award IDIQ, ceiling: \$35,000,000].

CONSULTING

London School of Hygiene & Tropical Medicine, P. falciparum malaria vaccine initiative

Food and Drug Administration (SciMetrika), quantitative bias analysis for post-marketing safety surveillance

Centers for Disease Control & Prevention (SciMetrika), use of electronic health records for environmental public health surveillance

Centers for Disease Control & Prevention (SciMetrika), surveillance of lung cancer screening using low dose CT