

**CURRICULUM VITAE**  
**DANIEL M. SAMAN, DrPH, MPH, CPH**

**BUSINESS ADDRESS:**

Essentia Institute of Rural Health<sup>1</sup>  
502 East Second Street  
Duluth, MN 55805

**PRESENT POSITIONS:**

2012- Associate Research Scientist, Essentia Institute of Rural Health (EIRH), Duluth, MN  
2014- Adjunct Professor, Biobehavioral Health and Population Sciences, UMD, Duluth, MN

**PAST POSITIONS:**

2010-2011 Injury Epidemiology Researcher, Kentucky Violent Death Reporting System (KVDRS), University of Kentucky, College of Public Health, Lexington, KY  
2010 Injury Epidemiology Researcher, Southeast Center for Agricultural Health and Injury Prevention, University of Kentucky, College of Public Health, Lexington, KY  
2008-2009 Epidemiology Research Fellow, University of Kentucky College of Dentistry, Division of Public Health, Lexington, KY  
2006-2008 Occupational Injury Epidemiology Researcher, Paducah Gaseous Diffusion Plant Cohort Study, University of Kentucky, College of Public Health, Lexington, KY  
2006-2008 Injury Epidemiology Researcher, Center on Drug and Alcohol Research, University of Kentucky, College of Public Health, Lexington, KY  
2005-2006 Research assistant and lab curator, Anthropology Department, Centre College, Danville, KY  
2005 Researcher, Anthropology Department, Centre College, Danville, KY  
2004-2006 English Writing Tutor, Centre College, Danville, KY

**CERTIFICATION:**

2011- National Board of Public Health Examiners, Certified in Public Health (CPH)  
2013 Lifestyle Coach Training, National Diabetes Prevention Program. Certified by Diabetes Training and Technical Assistance Center.

**EDUCATION:**

2009-2011 University of Kentucky College of Public Health, Doctor of Public Health (DrPH) in Epidemiology, Lexington, KY

<sup>1</sup> The Essentia Institute of Rural Health, a wholly owned corporation of Essentia Health, is assigned oversight of research and education for Essentia Health.

<sup>2</sup> This facility is a wholly owned subsidiary of Essentia Health. See attached "Essentia Health Facilities".

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2006-2008	University of Kentucky College of Public Health, Master of Public Health (MPH) in Epidemiology, Lexington, KY
2002-2006	Centre College, Bachelor of Arts (BA) Anthropology and Philosophy

**TEACHING EXPERIENCE:**

1. University of Cincinnati Department of Public Health Sciences, Public Health Management and Leadership Theories (26PH714), 2010
2. East Tennessee State University, Appalachian Summer Institute of Epidemiology, GIS and Public Health, 2007

**HONORS/AWARDS:**

2012	The International Society of Minimally Invasive Diagnostics, Head and Neck Optical Diagnostics Society (HNODS) 2012 prize for best paper on the subject of head and neck oncology published in the journal Head & Neck Oncology
2012	Epidemiology Departmental Award for outstanding student exhibiting the greatest potential for contributions in the field of epidemiology by the University of Kentucky College of Public Health
2011	Awarded 3 <sup>rd</sup> place at the University of Kentucky Public Health Systems and Services Research day for research on tractor overturns in Kentucky
2010	Awarded and named a John S. Wiggs Scholar at the University of Kentucky College of Public Health, Public Health Hall of Fame
2010	Awarded 2 <sup>nd</sup> place at the University of Kentucky Public Health Systems and Services Research day for research on oral health disparities and mid-level providers
2008	Awarded the Anthony Westwater Jong Post-Professional Award for dental research at the Annual American Public Health Association (APHA) Conference, October 2008, San Diego, California
2007	Award 1 <sup>st</sup> place at the University of Kentucky Annual Research Symposium for research on the health effects of occupational exposure on PGDP workers
2006	Dean's List at Centre College in spring

**FUNDED RESEARCH/GRANTS RECEIVED:**

1. "Improving prediabetes cardiovascular care with EHR – based decision support." R01. NIH. NHLBI. Impact score: 19. 4<sup>th</sup> Percentile. 7/1/2015 – 7/1/2020. Total: \$2.4 million. Essentia Health Total: \$1.1 million. Jay Desai (PI, HealthPartners). Daniel Saman (Essentia Health Site PI)
2. "Multi-institutional study on early detection of oral cavity and lip cancers". Daniel Saman (PI). Essentia Health Duluth Clinic Foundation. \$47,030. April 2015 – April 2016.
3. "Primary care redesign evaluation. Emergency department superutilizers", Essentia Health, Co-Investigator.

4. "Fecal transplantation in recurrent *Clostridium difficile* infection patients", Essentia Health Foundation, Co-Investigator (15%), \$78,684, 2012-2013
5. "HPV and oral cancers", Essentia Health Foundation, Co-Investigator (5%), \$35,482, 1/1/2013 – 12/31/2013
6. "Understanding oral health disparities across Appalachia", Foundation for a Healthy Kentucky, Howard L. Bost Memorial Scholar grant, Saman (PI), \$1400, 8/2010 – 1/2011
7. "A spatial assessment of tractor overturns in Kentucky", University of Kentucky Southeast Center for Agricultural Health and Injury Prevention, Saman (PI), \$2000, 6/2010 – 1/2011

**COMMUNITY HEALTH INVOLVEMENT:**

1. "Community health needs assessment and implementation of the National Diabetes Prevention Program", Essentia Health, In-kind. Co-Principal Investigator: 2013-2015.

**PUBLICATIONS - JOURNAL ARTICLES:**

1. Anderson TJ, Saman DM, Lipsky MS, Lutfiyya MN. A cross-sectional study on health differences between rural and non-rural U.S. counties using the *County Health Rankings*. *BMC Health Services Research*. 2015; 15: 441.
2. Kavanagh KT, Calderon LE, Saman DM. A perspective on the role of active detection and isolation to prevent the spread of methicillin-resistant *Staphylococcus aureus*: sense, nonsense, and evidence. *Antimicrobial Resistance and Infection Control*. 2015; 4:4.
3. Arevalo O, Saman DM, Tabares M, Hernandez A, Sanders-Ward R. Job satisfaction and relocation desire among pediatric dentists in Puerto Rico. Manuscript accepted in the *Puerto Rico Health Sciences Journal*.
4. Chang SS, Wang K, Kono S, Saman DM, Snyder S, Melvin, TA, Calzada, G. Pilot study of a novel population of head and neck cancer patients in the CRN. *Otolaryngology-Head and Neck Surgery* 2014; November 10.
5. Kavanagh KT, Calderon LE, Saman DM, Abusalem SK. The use of surveillance and prevention of MRSA infections in surgical patients. *Antimicrobial Resistance and Infection Control* 2014; 3:18.
6. Seekatz AM, Aas J, Gessert CE, Rubin TA, Saman DM, Bakken JS, Young V. Recovery of the gut microbiome following fecal microbiota transplantation. *mBio* 2014; 5(3): e00893-14.
7. Saman DM, Lemieux AM, Arevalo O, Lutfiyya MN. A population-based study of edentulism in the US: Does depression and rural residency matter after controlling for potential confounders. *BMC Public Health* 2014; 14:65.
8. Lemieux AM, Saman DM, Lutfiyya MN. Men and suicide in primary care. *Disease-a-Month* 2014; 60(4): 155-161.
9. Saman DM, Lemieux AM, Lutfiyya MN, Lipsky MS. A review of the current epidemiology and treatment options for prostate cancer. *Disease-a-Month* 2014; 60(4): 150-154.
10. Kavanagh KT, Saman DM, Yangling Y. Reply to "Planned analyses of the REDUCE MRSA trial". *Antimicrobial Agents and Chemotherapy* 2014; 58(4): 2486-7.

11. Kavanagh KT, Calderon LE, Saman DM. Much work still to be done to prevent central line associated bloodstream infections. *American Journal of Medical Quality* 2013. PMID: 24335078
12. Saman DM, Kavanagh, KT. Assessing the necessity of the standardized infection ratio for reporting central line-associated bloodstream infections. *PLoS One* 2013; 8(11): e79554. Doi:10.1371/journal.pone.0079554
13. Kavanagh KT, Saman DM, Yanling Y. A perspective on how the United States fell behind northern Europe in the battle against methicillin resistant staphylococcus aureus. *Antimicrobial Agents and Chemotherapy* 2013;57(12): 5789-5791
14. Kavanagh K, Calderon LE, Saman DM. The relationship between tort reform and medical utilization. *Journal of Patient Safety* 2013; doi: 10.1097/PTS.0b013e3182a7e992.
15. Arevalo O, Saman DM, Tabares M, Sotomayor L, Hernandez A. Availability and distribution of pediatric dentists in Puerto Rico. *Journal of Theory and Practice of Dental Public Health* 2013; 1(2): 5-15.
16. Saman DM, Kavanagh KT. Response to patient satisfaction as a possible indicator of quality surgical care. *JAMA Surgery* 2013; 148(10): 985.
17. Saman DM, Kavanagh KT, Johnson B, Lutfiyya MN. Can inpatient hospital experiences predict central line-associated bloodstream infections? *PLoS One* 2013;8(4): e61097.
18. Lemieux A, Saman DM, Lutfiyya MN. Population-based study of health service deficits in US adults with depression: Does chronic disease co-morbidity and/or rural residency make a difference? *Health* 2013;5:774-782.
19. Lutfiyya MN, McCullough JE, Saman DM, McGrath C, Lemieux A, Hendrickson S, Lipsky MS, Haller IV. Rural/urban differences in health services deficits among U.S. adults with arthritis: A population-based study. *Journal of Nursing Education and Practice* 2013;3(11):43-53.
20. Arevalo O, Saman DM, Tabares M, Sotomayor L, Hernandez A. Pediatric dentistry workforce in Puerto Rico: results of a 2011 survey. *Puerto Rico Health Sciences Journal* 2013;32(1):18-24
21. Saman DM, Kavanagh KT, Abusalem S. Redefining the standardized infection ratio to aid in consumer value purchasing. *Journal of Patient Safety* 2013;9(2):55-58.
22. Kavanagh KT, Abusalem S, Saman DM. A perspective on the evidence regarding MRSA surveillance. *Journal of Patient Safety*. 2012; 8(3): 140-143.
23. Saman DM, Walsh S, Borowko A, Odoi A. Does place of residence affect risk of suicide? A spatial epidemiologic investigation in Kentucky from 1999 to 2008. *BMC Public Health* 2012. 12:108. doi: 10.1186/1471-2458-12-108.
24. Saman DM. A review of the epidemiology of oral and pharyngeal carcinoma: update. *Head & Neck Oncology* 2012. 4:1. doi: 10.1186/1758-3284-4-1.
25. Saman DM, Cole HP, Odoi A, Myers ML, Carey DI, Westneat SC. A spatial cluster analysis of tractor overturns in Kentucky from 1960 to 2002. *PLoS ONE* 2012. 7(1): e30532. doi: 10.1371/journal.pone.0030532
26. Arevalo O, Saman DM, and Rohall V. Measuring clinical productivity in Community Based Dental Education Programs. *Journal of Dental Education*. 2011; 75(9): 1200-1207.

27. Saman DM, Johnson AO, Arevalo O, and Agricola O. Geospatially illustrating regional-based oral health disparities in Kentucky. *Public Health Reports*. 2011; 126 (4): 612-618.
28. Bahr DE, Aldrich TE, Seidu D, Brion GM, Tollerud DJ; Paducah Gaseous Diffusion Plant Project Team, Muldoon S, Reinhart N, Youseefagha A, McKinney P, Hughes T, Chan C, Rice C, Brewer DE, Freyberg RW, Mohlenkamp AM, Hahn K., Hornung R, Ho M, Dastidar A, Freitas S, Saman DM, Ravidal H, Scutchfield D; Contractors, Eger KJ, Minor S. Occupational exposure to trichloroethylene and cancer risk for workers at the Paducah Gaseous Diffusion Plant. *International Journal of Occupational Medicine and Environmental Health*. 2011;24(1): 67-77.
29. Saman DM, Arevalo O, and Johnson AO. The dental workforce in Kentucky: current status and future needs. *Journal of Public Health Dentistry*. 2010;70(3): 188-196.
30. Arevalo O, Saman DM, Bonaime A, and Skelton J. Mobile dental units: leasing or buying? A dollar-cost analysis. *Journal of Public Health Dentistry*. 2010;70(3): 253-257.
31. Webster JM, Dickson MF, Saman DM, Mateyoke-Scrivner A, Oser CB, & Leukefeld CG (2010). Substance use, criminality and mental health among violent and nonviolent rural probationers. *Journal of Addictions and Offender Counseling*. 2010; 30(2): 99-111.

**OTHER PUBLICATIONS:**

1. Daniel M. Saman. Editors: Cheryl L. Brown, John T. James. A Contemporary Review of Healthcare Associated Infections. *The Truth About Big Medicine: Righting the Wrongs for Better Health Care*. Rowman & Littlefield. In press.
2. Endre Nyerges, Daniel Saman, and Laura Whitaker. Editors: Diana Stuart Sinton and Jennifer J. Lund. Anthropology: Mapping Guinea Savanna Ecology in Sierra Leone. *Understanding Place: GIS and Mapping Across the Curriculum*. pp. 113 – 126. ESRI Press: April 2007.

**PRESENTATIONS AND PROFESSIONAL MEETINGS:**

1. “Reducing cardiovascular risk in prediabetes patients using EHR-based decision support at Essentia Health. 2015 Essentia Health Fall Conference Daily Dilemmas in Diabetes and Endocrinology. Duluth MN. Poster.
2. “Using systematic review and decision modeling to fill gaps in evidence: Application to Positron Emission Tomography (PET) scan use in post-treatment Squamous cell carcinoma of the oropharynx (SCOOP). HMORN 2015. Long Beach, CA. Poster session.
3. “Transforming primary care delivery: A focus on patients with complex conditions in rural and urban settings”. APHA, November, 2014.
4. “Roundtable discussion on full disclosure of adverse events and medical errors”. Healthcare Transparency and Patient Safety Conference. Health Watch USA. Lexington KY, October, 2014.
5. “Prevention of central line associated bloodstream infections”. Healthcare Transparency and Patient Advocacy Conference, Health Watch USA, Lexington, KY. November 2013.

6. "Measurement of infections—standardized infection ratio (SIR)". Healthcare Transparency and Patient Advocacy Conference, Health Watch USA, Lexington, KY. November 2012.
7. "Pediatric dentistry workforce in Puerto Rico: results of a 2011 survey". APHA National Conference, San Francisco, CA. October 2012.
8. "Meaningful definition of the standardized infection ratio". HHS HAI Data Summit, Kansas City, MO. May 2012.
9. "A spatial data analysis of tractor overturns in Kentucky". University of Kentucky College of Public Health Research Day at the Public Health Systems and Services Research Conference (PHSSR), Lexington, KY. April 2011.
10. "Geospatially illustrating oral health disparities in Kentucky". University of Kentucky Appalachian Research Symposium, Lexington, KY. February 2010.
11. "Using cartograms to illustrate disparities in oral health in Kentucky". APHA National Conference, Philadelphia, PA. November 2009.
12. "Mobile dental units: lease financing or debt financing?" National Oral Health Conference (NOHC), Portland, OR. April 2009.
13. "Head Start and Early Head Start (HS/EHS) programs and access to dental care in Kentucky". APHA National Conference, San Diego, CA. November 2008.
14. "Mapping the distribution of dentists in Kentucky using a geographic information system (GIS)" APHA National Conference, San Diego, CA. November 2008.
15. "Determinants of the distribution of dentists across Kentucky using geospatial and regression analyses" University of Kentucky College of Dentistry Dental Grand Rounds, Lexington, KY. August 2008.
16. "Predicting where dentists in Kentucky practice using a geographic information system (GIS) and regression analysis" Kentucky Rural Health Association (KRHA) Annual Conference, Frankfort, KY. July 2008.
17. "Capital budgeting and long-term viability of mobile dental programs" NOHC, Miami, FL. April 2008.
18. "An analysis of the distribution of dentists across Kentucky and its impact on access: 2007" University of Kentucky College of Dentistry Research Day, Lexington, KY. March 2008.
19. "Occupational epidemiology. Case study: Paducah Gaseous Diffusion Plant" Tennessee Valley Section—American Industrial Hygiene Association, Knoxville, TN. October 2007.
20. "Gender differences in the relationship of peer influence and beliefs to adolescent substance use in a rural state" Annual meeting of the College on Problems of Drug Dependence, Quebec City, Canada. June 2007.
21. "Substance abuse problem severity among female DUI offenders as a function of rurality" Annual meeting of the College on Problems of Drug Dependence, Quebec City, Canada. June 2007.
22. "Health effects of occupational exposures on PGDP workers: the home stretch" University of Kentucky College of Public Health Research Symposium, Lexington, KY. October 2007.

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23. "Breast, lung, leukemia, and colon cancer survival analysis for nation, KY, and Purchase Area Development District: 1996-2000" APHA annual meeting, Washington, DC. November 2007.
24. "Rural and urban differences in Kentucky DUI offenders" International Council on Alcohol, Drugs, and Traffic Safety, Seattle, WA. August 2007.

**I verify that these Curriculum Vitae are current as of this date.**

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**Daniel M. Saman, DrPH, MPH, CPH**

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**Date**