

Sharif Mohr, MPH, PhD
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EDUCATION: **Doctor of Philosophy in Public Health (Epidemiology), May 2012**
University of California, San Diego, La Jolla, California

Master of Public Health, International Health, August 2003
University of Alabama, Birmingham, Alabama

Bachelor of Arts, International Studies, December 2000
University of South Florida, Tampa, Florida

EXPERIENCE: **Epidemiologist, August 2018 to present**
Drug Free America Foundation, St. Petersburg, FL

- Collected, analyzed, and interpreted epidemiological data on substance abuse from local, state, and federal government agencies including hospitals, poison control centers, medical examiners, treatment centers, law enforcement, and emergency responders
- Used statistical and data visualization software to conduct data analysis and mapping to inform program planning and public policy
- Generated written reports and presentations to educate and inform a wide range of stakeholders such as community leaders, legislators, coalition members, and the media
- Evaluated and summarized epidemiological studies for inclusion on research section of DFAF website
- Produced data briefs, facts sheets, and infographics for the US State Department's Colombo Plan

Senior Epidemiologist, January 2017 to December 2017
Simul Stat, Orlando, FL

- Conducted observational research and disease forecasting to support Amgen product strategy using electronic medical records (EMR) and administrative claims data
- Contributed to research strategy in the Amgen Center for Observational Research
- Developed clinical protocols and statistical analysis plans for health economics and outcomes research (HEOR) studies
- Performed literature reviews and prepared manuscripts for publication

Clinical Research Consultant, June 2015 to May 2016
Comprehensive Health Insights, Humana; Orlando, FL

- Developed proposals for health economics and outcomes research (HEOR) studies in response to client request for proposals
- Designed study protocols and formulated project budgets and timelines
- Provided guidance on design and selection of most appropriate and cost-effective research methodology for studies utilizing electronic medical records (EMR) and administrative claims data
- Met with clients to refine research objectives and report on study progress
- Collaborated internally with statistical experts to meet client objectives and interpret study results
- Assisted with preparation of final reports for presentation to client
- Prepared literature reviews, abstracts, manuscripts for publication, and presentations as requested by client

Research Advisor, September 2013 to December 2014
Khmer HIV/AIDS National Alliance; Phnom Penh, Cambodia

- Designed protocol and statistical analysis plan for study of risk factors for HIV transmission in sero-discordant couples
- Assisted with questionnaire development and validation
- Met with community leaders to organize study recruitment
- Coordinated and supervised data collection at field sites
- Constructed database and performed statistical analysis using EpiData
- Prepared final report of study results

Senior Research Epidemiologist, September 2004 to September 2013
Science Applications International Corporation (SAIC)
Naval Health Research Center, San Diego, CA

- Was responsible for study planning, design, and analysis for epidemiological investigations of chronic disease in military and civilian populations, using retrospective, prospective, cross-sectional, and meta-analysis designs
- Analyzed epidemiological data and interpreted the results in order to identify key health issues
- Prepared reports, manuscripts, statistics, data, correspondence, and other written material for scientific publications
- Performed univariate, multivariate, and multivariable statistical analysis of large population-based data sets using SAS
- Served as a reviewer for manuscripts submitted to scientific journals

- Conducted literature reviews for design of studies, preparation of study protocols, manuscripts, and to summarize medical and epidemiological literature
- Used geographic information systems to perform spatial analysis of chronic disease risk
- Made presentations to the medical community, public health staff, and the general public about epidemiological data/information to educate and promote disease control efforts.

Epidemiologist, May 2003 to August 2004
Oswaldo Cruz Foundation, Brazilian Ministry of Health; Salvador, Brazil

- Performed a cohort study investigating risk factors for transmission of epidemic leptospirosis in an urban slum environment
- Co-managed field operations and data collection
- Conducted interviews in Portuguese on over 1,000 study participants
- Oversaw data collection, entry, management, and analysis for a large and complex database
- Performed statistical data analysis using Epi Info
- Prepared weekly reports of field operations and data analyses
- Developed Standard Operating Procedures
- Assisted with active surveillance of leptospirosis in the field
- Met with community leaders from the field site to discuss pressing health problems and to implement solutions to those problems
- Trained Brazilian team members in epidemiological methods and biostatistics
- Assisted with grant writing and submission

Research Assistant, January 2002 to May 2003
HIV Prevention Trials Network HPTN 049; University of Alabama, Birmingham

- Assisted principal investigator with administrative duties related to clinical trial of a microbicide gel
- Participated in conference calls and onsite monitoring
- Assisted with Institutional Review Board documentation and procedures

SKILLS: Experienced in univariate and multivariate statistical analysis; Proficient with SPSS, SAS, JMP, EPI Info, SEER Stat, GraphPad Prism, RevMan, Endnote, ESRI Business map, and MS office software packages; Advanced proficiency in Brazilian Portuguese; Intermediate proficiency in Spanish.

HONORS: Cota-Robles Fellow, University of California San Diego, 2006-2008;

Bill and Judy Bridgers Scholarship in Public Health, University of Alabama Birmingham, 2001;

The Outstanding Graduating Senior Award in International Studies, University of South Florida, 2000;

Mark T. Orr Award in International Studies, University of South Florida, 1999;

INVITED TALKS: *Serum 25-hydroxyvitamin D and risk of breast cancer in a military population*
American Society for Nutrition Annual meeting, Experimental Biology
San Diego, CA. April 24, 2012

The role of vitamin D in cancer prevention
Ross University School of Medicine
Portsmouth, Dominica. May 8, 2011

Role of Vitamin D in Racial Disparities in Breast Cancer Prognosis
American Public Health Association Annual Meeting
San Diego, CA. October 27, 2008

PUBLICATIONS: Cuomo RE, Garland CF, Gorham ED, Mohr SB. Low Cloud Cover-Adjusted Ultraviolet B Irradiance Is Associated with High Incidence Rates of Leukemia. PLoS One. 2015 Dec 4;10(12)

Garland CF, Cuomo RE, Gorham ED, Zeng K, Mohr SB. Cloud cover-adjusted ultraviolet irradiance and pancreatic cancer incidence in 172 countries. J Steroid Biochem Mol Biol. 2015 Apr 9

Gorham ED, Cuomo RE, Mohr SB, Garland CF. Association between 25-hydroxyvitamin D and type 2 diabetes. Lancet Diabetes Endocrinol. 2015 Jan;3(1):11.

Mohr SB, Gorham ED, Kim J, Hofflich H, Cuomo RE, Garland CF. Could vitamin D sufficiency improve the survival of colorectal cancer patients? J Steroid Biochem Mol Biol. 2015 Apr;148:239-44.

Mohr SB, Gorham ED, Garland CF, Grant WB, Garland FC, Cuomo RE. Are low ultraviolet B and vitamin D associated with higher incidence of multiple myeloma? J Steroid Biochem Mol Biol. 2015

Garland CF, Kim JJ, Mohr SB, Gorham ED, Grant WB, Giovannucci EL, Baggerly L, Hofflich H, Ramsdell JW, Zeng K, Heaney RP. Meta-analysis of all-cause mortality according to serum 25-hydroxyvitamin D. *Am J Public Health*. 2014; 104(8):e43-50. Epub 2014 Jun 12.

Garland CF, Gorham ED, Hofflich HE, Mohr SB. Vitamin D status and ill health. *Lancet Diabetes Endocrinol*. 2014; (14)70042-7.

Mohr SB, Gorham ED, Kim J, Hofflich H, Garland CF. Meta-analysis of vitamin D sufficiency for improving survival of patients with breast cancer. *Anticancer Res*. 2014;34(3):1163-6.

Cuomo RE, Mohr SB, Gorham ED, Garland CF. What is the relationship between ultraviolet B and global incidence rates of colorectal cancer? *Dermatoendocrinol*. 2013; 1;5(1):181-5.

Mohr SB, Gorham ED, Alcaraz JE, Kane CJ, Macera CA, Parsons JK, Wingard DL, Horst R, Giovannucci EL, Garland CF. Serum 25-hydroxyvitamin D and breast cancer in the military: A nested case-control study. *Cancer Causes Control* 2013; 24(3): 495-504.

Mohr SB, Gorham ED, Alcaraz JE, Kane CJ, Macera CA, Parsons JK, Wingard DL, Garland CF. Does the evidence for an inverse relationship between serum vitamin D status and breast cancer risk satisfy the Hill criteria? *Dermato-endocrinology* 2012; 4(2): 152-7.

Gorham ED, Garland CF, Burgi AA, Mohr SB, Zeng K, Hofflich H, Kim JJ, Ricordi C. Lower prediagnostic serum 25-hydroxyvitamin D concentration is associated with higher risk of insulin-requiring diabetes: a nested case-control study. *Diabetologia*. 2012 Sep 7.

Mohr SB, Gorham ED, Alcaraz JE, Kane CJ, Macera CA, Parsons JK, Wingard DL, Garland CF. Serum 25-hydroxyvitamin D and prevention of breast cancer: Pooled analysis. *Anticancer Res*. 2011 Sep;31(9):2939-48.

Burgi AA, Gorham ED, Garland CF, Mohr SB, Garland FC, Thompson K, Lappe J. Optimal serum 25-hydroxyvitamin D concentration for prevention of stress fracture in young female Naval recruits. *J Bone Miner Res*. 2011 Jun 22

Mohr SB, Garland CF, Gorham ED, Grant WB, Garland FC. Global incidence of leukemia and Ultraviolet B irradiance: A possible role for vitamin D? *Am J Prev Med*. 2011

Mohr SB, Gorham ED, Garland CF, Grant WB, Garland FC. Low ultraviolet B and increased risk of brain cancer: an ecological study of 175 countries. *Neuroepidemiology*. 2010;35(4):281-90. Epub 2010 Oct 14.

Mohr SB, Garland FC, Garland CF, Gorham ED, Ricordi C. Is there a role of vitamin D deficiency in type 1 diabetes of children? *Am J Prev Med.* 2010 Aug;39(2):189-90.

Mohr SB, Garland CF, Gorham ED, Grant WB, Garland FC. Ultraviolet B irradiance and vitamin D status are inversely associated with incidence rates of pancreatic cancer worldwide. *Pancreas.* 2010 Jul;39(5):669-74.

Mohr SB, Garland CF, Gorham ED, Grant WB, Garland FC. Ultraviolet B irradiance and incidence rates of bladder cancer in 174 countries. *Am J Prev Med.* 2010 Mar;38(3):296-302.

Gorham ED, Barrett-Connor E, Highfill-McRoy RM, Mohr SB, Garland CF, Garland FC, Ricordi C. Incidence of insulin-requiring diabetes in the US military. *Diabetologia.* 2009; 52 (10): 2087-91

Garland CF, Gorham ED, Mohr SB, Garland FC. Vitamin D for cancer prevention: global perspective. *Ann Epidemiol* 2009 Jul;19(7):468-83.

Grant WB, Mohr SB. Ecological studies of ultraviolet B, vitamin D and cancer since 2000. *Ann Epidemiol.* 2009 Jul;19(7):446-54.

Mohr SB. A brief history of vitamin d and cancer prevention. *Ann Epidemiol.* 2009 Feb;19(2):79-83. Review.

Mohr SB, Garland CF, Gorham ED, Garland FC. The association between ultraviolet B irradiance, vitamin D, and incidence rates of Type I diabetes: A natural experiment in 51 world regions. *Diabetologia* 2008;51(8):1391-8

Wei MY, Garland CF, Gorham ED, Mohr SB, Giovannucci E. Vitamin D and prevention of colorectal adenoma: a meta-analysis. *Cancer Epidemiol Biomarkers Prev.* 2008 (11):2958-69.

Reis RB, Ribeiro GS, Felzemburgh RD, Santana FS, Mohr S, Melendez AX, Queiroz A, Santos AC, Ravines RR, Tassinari WS, Carvalho MS, Reis MG, Ko AI. Impact of environment and social gradient on leptospira infection in urban slums. *PLoS Negl Trop Dis.* 2008 Apr 23;2(4):e228.

Mohr SB, Garland CF, Gorham ED, Grant WB, Garland FC. Relationship between low ultraviolet B irradiance and higher breast cancer risk in 107 countries. *Breast J.* 2008 May-Jun;14(3):255-60

Mohr SB, Garland CF, Gorham ED, Grant WB, Garland FC. Could ultraviolet B irradiance and vitamin D be associated with lower incidence rates of lung cancer? *J Epidemiol Community Health.* 2008 Jan;62(1):69-74.

Gorham ED, Mohr SB, Garland CF, Chaplin G, Garland FC. Do sunscreens increase risk of melanoma in populations residing at higher latitudes? *Ann Epidemiol.* 2007 Dec;17(12):956-63.

Garland CF, Grant WB, Mohr SB, Gorham ED, Garland FC. What is the dose-response relationship between vitamin D and cancer risk? *Nutr Rev.* 2007 Aug;65(8 Pt 2):S91-5.

Mohr SB, Garland CF, Gorham ED, Grant WB, Garland FC. Is ultraviolet B irradiance inversely associated with incidence rates of endometrial cancer: an ecological study of 107 countries. *Prev Med.* 2007 Nov;45(5):327-31. Epub 2007 Feb 4.

Garland CF, Gorham ED, Mohr SB, Grant WB, Giovannucci EL, Lipkin M, Newmark H, Holick MF, Garland FC. Vitamin D and prevention of breast cancer: pooled analysis. *J Steroid Biochem Mol Biol.* 2007 Mar;103(3-5):708-11.

Gorham ED, Garland CF, Garland FC, Grant WB, Mohr SB, Lipkin M, Newmark HL, Giovannucci E, Wei M, Holick MF. Optimal vitamin D status for colorectal cancer prevention: a quantitative meta analysis. *Am J Prev Med.* 2007 Mar;32(3):210-6.

Garland CF, Mohr SB, Gorham ED, Grant WB, Garland FC. Role of ultraviolet B irradiance and vitamin D in prevention of ovarian cancer. *Am J Prev Med.* 2006 Dec;31(6):512-4.

Mohr SB, Gorham ED, Garland CF, Grant WB, Garland FC. Are low ultraviolet B and high animal protein intake associated with risk of renal cancer? *Int J Cancer.* 2006 Dec 1;119(11):2705-9.

Garland CF, Garland FC, Gorham ED, Lipkin M, Newmark H, Mohr SB, Holick MF. The role of vitamin D in cancer prevention. *Am J Public Health.* 2006 Feb;96(2):252-61

Gorham ED, Garland CF, Garland FC, Grant WB, Mohr SB, Lipkin M, Newmark HL, Giovannucci E, Wei M, Holick MF. Vitamin D and prevention of colorectal cancer. *J Steroid Biochem Mol Biol.* 2005 Oct;97(1-2):179-94

Mohr SB, Garland CF, Gorham ED, Grant WB, Highfill RM, Garland FC. Mapping vitamin D deficiency, breast cancer, and colorectal cancer. *Proceedings of the ESRI International User Conference* 2005: 1468.

Gorham ED, Mohr SB, Garland CF, Grant WB, Highfill RM, Garland FC. World atlas of ultraviolet A and B radiation for melanoma research. *Proceedings of the ESRI International User Conference* 2005: 1778.

Gorham ED, Garland FC, Mohr SB, Grant WB, Garland CF. Does absorption of ultraviolet B by stratospheric ozone and urban aerosols influence colon and breast cancer mortality rates? Contributions from NASA and NOAA data. Proceedings of the International Society for Optics and Photonics (SPIE) 50th Annual Meeting, 2005.

Garland CF, Mohr SB, Grant WB, Holick MF. Economic burden analysis for UV radiation and vitamin D in the United States with regard to colorectal cancer. Proceedings of the International Society for Optics and Photonics (SPIE) 50th Annual Meeting, 2005.

Garland CF, Garland FC, Gorham ED, Mohr SB. Epidemiological Evidence Supporting the Role of UVA in Melanoma Carcinogenesis (abstract). Sixth World Congress on Melanoma 2005.

Gorham ED, Garland CF, Garland FC, Mohr SB, Lipkin M, Newmark H, Holick MF. Meta-analysis of dose-response Curves: A quantitative basis for estimating optimal vitamin D₃ intake for colon cancer prevention (abstract). American Society of Preventive Oncology 2005.

Unger A, Felzemburgh RD, Mohr SB, Costa BA, Melendez AT, Reis RB, Santana FS, Riley LW, Reis MG, Ko AI. Prevalence and risk factors for hypertension in an urban slum population. (submitted to journal)

Mohr SB, Highfill-McRoy RM, Gorham ED, Garland CF, Garland FC. Colorectal cancer incidence rates in men and women aged 18-39 years: Experience of 4,755,802 person-years in the Department of Defense (submitted to journal)

Gorham ED, Mohr SB, Garland CF, Grant, WB, Lubin D, Garland CF. Is Stratospheric Ozone Associated with Incidence of Melanoma? Study of 175 Countries. (submitted to journal)

Mohr SB, Highfill-McRoy RM, Gorham ED, Garland CF, Phillips C, Kangmin Z, Potter JF, Garland FC. Breast Cancer Incidence in Active-Duty U.S. Military Service Members. (in preparation)

Gorham ED, Garland CF Burgi A, Mohr SB, Zeng K, Hofflich H, Ricordi C. Lower prediagnostic serum 25-hydroxyvitamin D concentration is associated with higher risk of insulin-dependent diabetes mellitus: a nested case-control study (submitted to Diabetologia)