

FACULTY PROFILE



Joseph Longenecker, MD, MPH, PhD



- ◆ Vice-Dean, Academic, Faculty of Public Health
- ◆ Associate Professor of Community Medicine
Faculty of Medicine

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Professional Summary

Professional History

- Instructor of Medicine, 1997-1998; Johns Hopkins University
- Assistant Professor of Medicine, 1998-2002; Johns Hopkins University
- Assistant Professor of Epidemiology, 2001-2002; Johns Hopkins University
- Assistant Professor of Community Medicine, 2002 to 2009; Kuwait University Faculty of Medicine
- Associate Professor of Community Medicine, 2009 to present; Kuwait University Faculty of Medicine
- Vice-Dean, Academic, 2014 to present; Kuwait University Faculty of Public Health

Scientific Interests

Dr. Longenecker's research interests focus on the relationship between cardiovascular and renal diseases, and their common risk factors in the population, including hypertension, diabetes, obesity, smoking, and hyperlipidemia in addition to novel risk factors such as lipoprotein(a), inflammations, and heart rate variability. As a Clinical Epidemiologist, he also is interested in the academic interface between Epidemiology and clinical practice, including themes in Clinical Epidemiology such as Evidence-Based Medicine, critical appraisal, diagnostic testing, study design, and application of epidemiologic and biostatistical methods to clinical research. He also has an interest in medical and administrative informatics, having designed and developed the Curriculum Management Platform database for use by the Health Sciences Center faculties. Currently, as Vice-Dean, Academic, for the new Faculty of Public Health, he is helping to establish the new faculty and its curriculum, with a view to providing Kuwait with a locally-trained Public Health and Community Services workforce.

Education and Training

- MD, 1990; Johns Hopkins University, Baltimore, MD
- Internal Medicine Residency, 1990-1993; Johns Hopkins Hospital
- Associate Program Director, Internal Medicine Program, 1993-1996; Abington Hospital, Abington, PA
- MPH, 1997; Johns Hopkins University
- PhD, Epidemiology, 2001; Johns Hopkins University

Selected Publications

Weiderpass E, Botteri E, Longenecker JC, Alkandari A, Al-Wotayan R, Al-Duwairi Q, Tuomilehto J. The prevalence of overweight and obesity in an adult Kuwaiti population in 2014. *Frontiers in Endocrinology (Lausanne)*. 2019 Jul; 10(449):1-9.

Alkandari A, Longenecker JC, Barengo NC, Alkhatib A, Weiderpass E, Al-Wotayan R, Al-Duwairi Q, Tuomilehto J. The prevalence of pre-diabetes and diabetes in the Kuwaiti adult population in 2014. *Diabetes Research and Clinical Practice*. 2018 Aug; 144:213-223.

Longenecker JC, Waheed S, Bandak G, Murakami CA, McMahon BA, Gelber AC, and Atta MG. Hyperuricemia after orthotopic liver transplantation: divergent associations with progression of renal disease, incident endstage renal disease, and mortality. *BMC Nephrology*. 2017 Mar; 18(103):1-11. DOI 10.1186/s12882-017-0518-5.

Longenecker JC, Estrella MM, Segev DL, and Atta MG. Patterns of kidney function before and after orthotopic liver transplant: associations with length of hospital stay, progression to end-stage renal disease, and mortality. Accepted on March 3, 2015, for publication in *Transplantation*.

Siddique I, Al-Azmi W, Al-Ali J, Longenecker JC, Al-Fadli A, Hasan F, Memon A. Demography and clinical course of ulcerative colitis in Arabs – a study based on the Montreal classification. *Scandinavian Journal of Gastroenterology*. 2014; 49: 1432–1440.

Longenecker JC, Al-Faddagh A, Zubaid M, Rashed W, Ridha M, Alenezi F, Alhamdan R, Akbar M, Bulbanat BY, Al-Suwaidi J. Adherence to ACC/AHA Performance Measures for Myocardial Infarction in Six Middle-Eastern Countries: Association with In-Hospital Mortality and Clinical Characteristics. *International Journal of Cardiology*. 167(4):1406–1411, August, 2013 (E-pub, April 2012) (DOI:10.1016/j.ijcard.2012.04.066)

Sozio SM, Coresh J, Jaar BG, Fink NE, Plantinga LC, Armstrong PA, Longenecker JC, Sharrett AR, Powe NR, Parekh RS. Inflammatory markers and risk of cerebrovascular events in patients initiating dialysis. *Clinical Journal of the American Society of Nephrology*. 6(6):1292-300, June, 2011 (E-pub, May 5, 2011.)

Al-Ta'iar A, Clark A, Longenecker JC, Whitty C. Physical accessibility and utilization of health services in Yemen. *International Journal of Health Geographics*. 9;38:1-8, July, 2010.

Uppal SS, Raghupathy R, Hayat SJ, Longenecker JC, Abraham M, Rawoot P. Disease activity and cytokine production in mitogen-stimulated peripheral blood mononuclear cells from patients with rheumatoid arthritis. *Medical Principles and Practice*. 19(1):33-39, Jan. 2010. (E-pub, Dec. 2009).

Longenecker JC, Zubaid M, Johnny KV, Attia A, Ali J, Rashed W, Suresh CG, Omar M. Association of Low Heart Rate Variability with Atherosclerotic Cardiovascular Disease in Hemodialysis Patients. *Medical Principles and Practice*. 18:85-92, Feb. 2009.

Longenecker JC, Coresh J, Klag MJ, Powe NR, Fink NE, Marcovina SM. Lipoprotein(a) Level as a Predictor of Cardiovascular Disease and Small Apolipoprotein(a) Isoforms in Dialysis Patients: Assay-Related Differences are Important. *Clinical Chimica Acta*. 397(1-2): 36-41, Nov. 2008.

Jaar BG, Plantinga LC, Astor BC, Fink NE, Longenecker JC, Tracy RP, Marcovina SM, Powe NR, Coresh J. Novel and Traditional Cardiovascular Risk Factors for Peripheral Arterial Disease in Incident Dialysis Patients. *Adv Chronic Kidney Dis*. 14(3):304-13, Jul 2007.

Professional Affiliations

- Secondment, Department of Primary Care, Kuwait Ministry of Health
- Adjunct Faculty, Johns Hopkins School of Medicine, Baltimore, MD
- Member, American Public Health Association
- Member, Society for Epidemiologic Research
- Member, American Society of Nephrology
- Member, American College of Physicians