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Karen L. Kotloff, MD

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Professor

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Pediatrics

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Medicine

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Education and Training

Washington University, B.A., Psychology, 1975

Temple University School of Medicine, M.D., 1979

Internship and Residency, Children's Hospital of Pittsburgh, Pediatrics, 1980-83

Fellowship, University of Maryland School of Medicine, Infectious Disease, 1983-86

Biosketch

Dr. Kotloff joined the faculty at the University of Maryland School of Medicine (UMSOM) in 1986. She currently serves as Head of the Division of Infectious Disease and Tropical Pediatrics and Associate Director of Clinical Studies at the Center for Vaccine Development. She is board certified in Pediatrics and Pediatric Infectious Disease and cares for children with a wide range of infectious diseases on the inpatient and outpatient service at the University of Maryland Medical Center (UMMC).

Dr. Kotloff's research focuses on the epidemiology of infectious diseases and their prevention with the use of vaccines in both the U.S. and developing countries. She is Principal Investigator (PI) of the Vaccine Treatment and Evaluation Unit at the UMSOM's Center for Vaccine Development funded by the [National Institute of Allergy and Infectious Disease](#). This contract funds vaccines and treatments against infectious diseases of public health importance.

Dr. Kotloff has led numerous clinical trials to evaluate vaccines against a wide range of infections, including group A streptococcus, Shigella, and influenza. She is also PI of three grants funded by the Bill & Melinda Gates Foundation to study prevention and treatment of diarrheal diseases and to conduct intensive studies of the causes of death among infants and children in developing countries. She participates in numerous international advisory committees for the Bill & Melinda Gates Foundation and the World Health Organization.

Research/Clinical Keywords

Infectious disease, vaccines, clinical trials, group A streptococcus, Shigella, influenza, infant mortality, GEMS, CHAMPS, VIDA, VTEU.

Highlighted Publications

Kotloff KL, Nataro JP, Blackwelder WC, Nasrin D, Farag TH, Panchalingam S, Wu Y, Sow SO, Breiman RF, Faruque ASG, Zaidi AKM, Saha D, Alonso PL, Tamboura B, Sanogo D, Onwuchekwa U, Manna B, Ramamurthy T, Kanugo S, Ochieng JB, Omere R, Oundo JO, Hossain A, Das SK, Ahmed S, Qureshi S, Quadri F, Adegbola RA, Antonia M, Hossain MJ, Akinsola A, Mandomando I, Nhampossa T, Acacio S, Biswas K, O'Reilly CE, Mintz ED, Berkeley LY, Muhsen K, Sommerfelt H, Robins-Browne RM, Levine MM. [Burden and aetiology of diarrhoeal disease in infants and young children in developing countries \(the Global Enteric Multicenter Study, GEMS\): A prospective, case-control study](#). Lancet 2013; 382:209-22.

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Haupt ER, Kotloff KL, Levine MM. [The burden of Cryptosporidium diarrheal disease among children; 24 months of age in moderate/high mortality regions of sub-saharan Africa and south Asia, utilizing data from the Global Enteric Multicenter Study \(GEMS\)](#). PLoS Negl Trop Dis 2016;10:e0004729.

Libster R, McNeal M, Walter EB, Shane AL, Winokur P, Cress G, Berry AA, Kotloff KL, Sarpong K, Turley CB, Harrison CJ, Pahud BA, Marbin J, Dunn J, El -Khorazaty J, Barrett J, Edwards KM. VTEU Rotavirus Vaccine Study Work Group. [Safety and immunogenicity of sequential rotavirus vaccine schedules](#). Pediatrics 2016; 137:1 - 10.

Nasrin D, Wu Y, Blackwelder WC, Farag TH, Saha D, Sow SO, Alonso PL, Breiman RF, Sur D, Faruque AS, Zaidi AK, Biswas K, van Eijk AM, Levine MM, Kotloff KL. [Health care seeking for childhood diarrhea in developing countries: Evidence from seven sites in Africa and Asia](#). Am J Trop Med Hyg 2013; 89(1 Suppl):3-12.

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