

Caitlin M. Rivers, PhD, MPH

Senior Scholar

Center & Institute Affiliations

Johns Hopkins Center for Health Security (Primary)

Departmental Affiliations

Environmental Health and Engineering



Overview

Dr. Rivers is a Senior Scholar at the Johns Hopkins Center for Health Security and an Assistant Professor in the Department of Environmental Health and Engineering at the Johns Hopkins Bloomberg School of Public Health. Her research focuses on improving public health preparedness and response through computational epidemiology, outbreak science, open data, and biosecurity.

Dr. Rivers participated as author or contributor in influential reports that are guiding the US response to COVID-19, including [National Coronavirus Response: A Roadmap to Reopening](#); [A National COVID-19 Surveillance System: Achieving Containment](#); and [A National Plan to Enable Comprehensive COVID-19 Case Finding and Contact Tracing in the US](#). She is the lead author on the report [Public Health Principles for a Phased Reopening During COVID-19: Guidance for Governors](#) which is being used by, the National Governors Association, the state of Maryland, and the District of Columbia to guide reopening plans. Dr. Rivers is co-leading efforts to call for a national infectious disease modeling capability, in recognition of the important role that “outbreak science” plays in informing outbreak preparedness and response.

Prior to joining the Center for Health Security in 2017, Dr. Rivers worked as an epidemiologist for the United States Army Public Health Center as a Department of Defense SMART Scholar. She also participated in a National Science and Technology Council's Pandemic Prediction and Forecasting Science and Technology working group. Dr. Rivers serves as an Associate Editor of the journal Health Security

Education

PhD, Virginia Tech, 2015

MPH, Virginia Tech, 2013

BA, University of New Hampshire, 2011