Dr. Rehman is the Medical Director for Grand Traverse County Health Department, Traverse City, Michigan. She is also Adjunct Clinical Faculty, College of Human Medicine, Michigan State University.

Dr. Rehman is a board-certified General Preventive Medicine and Public Health physician. Following residency, she served as an Assistant Professor at Central Michigan University College of Medicine and Medical Director for Saginaw County Health Department, near her hometown of Midland, Michigan. Thereafter, she served as the Medical Director for the City of Detroit Health Department (DHD) just as the COVID-19 pandemic emerged, largely overseeing the COVID-19 response focused on marginalized communities, such as nursing home residents and persons experiencing homelessness, while developing multidisciplinary teams for outbreak response mitigation. This work received national attention, demonstrating best practices early in the pandemic. She spearheaded a partnership between Wayne State University and the Michigan Department of Health and Human Services (MDHHS) to establish a regional public health lab for emerging infectious diseases, including sequencing for SARS-CoV-2. She served as a District Health Director for the Virginia Department of Health to aide local health departments in their COVID-19 vaccine response, successfully increasing vaccination in low uptake areas by conducting targeted outreach based upon local epidemiological data, as well as Medical Director for St Clair County Health Department before joining Grand Traverse County in Northern Michigan. As medical director, she oversees clinical programs and ensures accuracy of medical standing orders, providing internal and external advisory on public health issues and precepts medical students at Michigan State University College of Human Medicine's Rural Health training campus for early medical trainee exposure to local public health.

During residency, she rotated through the Michigan Department of Health and Human Services, Oakland County Health Department (MI), Wayne County Department of Health (MI) during Michigan's Hepatitis A outbreak, CDC Guam in the U.S.-affiliated Pacific Islands following the Zika outbreak, the American Journal of Preventive Medicine as an editorial fellow, ABC News NYC Medical Reporting Unit, Michigan Poison Control Center, Henry Ford Health System Detroit and Karmanos Cancer Institute for cancer survivorship and community prevention initiatives, and federally qualified health centers in Flint and Detroit for the delivery of preventive care.

She obtained her undergraduate degree in human biology and anthropology from Michigan State University (2005), MPH from Johns Hopkins Bloomberg School of Public Health (2009) and medical degree from Wayne State University School of Medicine (2014). She completed her internship at Detroit Medical Center (2015) and residency in General Preventive Medicine and Public Health from the University of Michigan School of Public Health (2018). She is passionate about cancer health disparities, having lost both of her parents to cancer, and focused on cancer prevention and epidemiology during her MPH. She holds clinical research experience in bone marrow transplantation from the National Cancer Institute, Cincinnati Children's Hospital and Karmanos Cancer Institute. Her contributions to oncology research and more recent COVID-19 response work has been published in peer-reviewed journals.