Dr. Kendalle Cobb grew up in San Francisco. She went on to college, graduating from Harvard University with a bachelor's degree in history. She earned her medical degree from George Washington University in Washington, D.C. She then headed back west where she completed her family medicine residency at Kaiser Foundation Hospital in Fontana, CA.

She takes care of patients of all ages at the Cleveland Clinic Solon Family Health Center. She serves as a Clinical Associate Professor of Family Medicine at the Cleveland Clinic Lerner College of Medicine (CCLCM) of Case Western Reserve University, where she was Director of Diversity and Inclusion from 2010 until 2019. She served as a physician advisor from 2006 to 2019 at CCLCM, a role that she resumed in July 2022.

In 2021, she was appointed Associate Chief of Staff, where she focuses on recruitment and retention of physicians, with a specific focus on those traditionally underrepresented in medicine. She also serves on the Diversity, Inclusion, and Racial Equity Council (DIREC). Her responsibilities include helping the enterprise to measure patient health disparities.