Karen Yeates is a graduate of Queen's Medical School and received Internal Medicine training in Toronto. She then completed a fellowship in Nephrology at Queen's University in Kingston, Ontario combined with a Master in Public Health from Harvard University. She is a Staff Nephrologist and Assistant Professor in the Department of Medicine at Queen's University and is co-founder and co-director of the Queen's University School of Medicine Office of Global Health.

Research interests include kidney disease outcomes and health policy issues in Aboriginal people, primarily in access to kidney transplantation. She is currently co-directing a documentary film about the health and cultural challenges faced by Aboriginal dialysis patients who navigate the kidney transplant process in Canada.

Dr. Yeates is interested in improving access to care for underserviced populations specifically in the area of chronic cardiovascular disease and kidney disease prevention, detection and treatment. Dr. Yeates is also country coordinator for the PURE Study Tanzania which is the Prospective Urban and Rural Epidemiology Study that will follow 2000 participants for more than 10 years in a global cohort to measure the impact of lifestyle and environment on development of chronic disease. She is also the country lead for a cardiovascular polypill study in Tanzania. Dr. Yeates is a principal investigator on a recently awarded CIHR-Global Alliance for Chronic Diseases grant called 'DREAM-GLOBAL' that is focused on reduction of hypertension in rural Aboriginal communities in Canada and, in Northern Tanzania.

As the chair of the Canadian Society of Nephrology's International Health Committee and is an active member of the International Society of Nephrology's Committee for Kidney Health in Disadvantaged Populations (CKHDP) she has on ongoing commitment to improving kidney outcomes in disadvantaged populations is also reflected in her ongoing role in bringing nephrology expertise and access to dialysis to the Kilimanjaro region of Tanzania, East Africa. Since 2009, Karen has worked with local doctors and nurses for the successful implementation of an acute peritoneal dialysis program at the Kilimanjaro Christian Medical Center in Moshi, Tanzania through the support of the Sustainable Kidney Care Foundation. In this region, no dialysis or kidney care existed for more than 10 million people. She volunteered there as a visiting nephrology professor from January to April 2011.