Developing a GPS location-based smartphone application for improving engagement in HIV

Kate Clouse, Ph.D.
Assistant Professor
Vanderbilt University School of Nursing

Sustaining consistent levels of patient engagement in care can be challenging across many facets of healthcare. In the past decade, HIV research has advanced our understanding of the magnitude of loss throughout the continuum of care, barriers and facilitators of engagement in care, and interventions to improve engagement. Dr. Kate Clouse’s recent NIH-funded work addresses the issue of frequent mobility as a potential barrier to continued engagement in HIV care among postpartum women in South Africa. In this talk, she will describe the development of a smartphone application that uses GPS location information to prospectively trace individual movement in order to improve engagement in HIV care among a mobile population. Dr. Clouse is an Assistant Professor at Vanderbilt University School of Nursing and core faculty at the Vanderbilt Institute for Global Health, with a secondary appointment in the VUMC Department of Medicine, Division of Infectious Diseases.