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Presentation

Modeling and Analytics for Preventing, Controlling, and Eliminating Infectious Diseases

Our understanding of infectious diseases along with the development and deployment of interventions enabling their prevention and control have advanced significantly. However, infectious diseases continue to have a devastating impact on the lives and livelihoods of millions of people around the world. There are tremendous opportunities for operations research in combatting infectious diseases, especially in resource-constrained settings. We will discuss examples of how modeling and analytics can inform decision-making related to disease prevention and control, improve equity in access to resources and outcomes, and support efforts toward disease eradication.