

Applications of epidemiological models to public health policymaking: the role of heterogeneity in model predictions

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Abstrak

Mathematical models can be very helpful to understand the transmission dynamics of infectious diseases. This book presents examples of epidemiological models and modeling tools that can assist policymakers to assess and evaluate disease control strategies. Contents: Development and Analysis of Models for Infectious Diseases; Application of Models to Real Disease Data; User-Friendly Modeling Tools for Public Health Policymakers. Readership: Researchers in mathematical biology, mathematical modeling, infectious diseases and complex systems.