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### **General Morphological Analysis - Swedish Morphological Society**

Compartmental models are a technique used to simplify the mathematical modelling of infectious disease. The population is divided into compartments, with the assumption that every individual in the same compartment has the same characteristics.

### **Compartmental models in epidemiology - Wikipedia**

Genome-scale metabolic reconstruction. A metabolic reconstruction provides a highly mathematical, structured platform on which to understand the systems biology of metabolic pathways within an organism. The integration of biochemical metabolic pathways with rapidly available, annotated genome sequences has developed what are called genome-scale metabolic models.

### **Metabolic network modelling - Wikipedia**

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### **Maximum entropy modeling of species geographic**

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### **Ecological Modelling - Journal - Elsevier**

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### **Alan Turing Scrapbook - Turing Machines**

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In this modelling study and economic evaluation, we calibrated a dynamic, individual-based stochastic model, the HIV Synthesis Model, to multiple data sources (surveillance data provided by Public Health England and data from a large, nationally representative survey, Natsal-3) on HIV among MSM in the UK.

### **Cost-effectiveness of pre-exposure prophylaxis for HIV**

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