Resource Summary Report

Generated by T1D on Sep 5, 2026

EpiModel

RRID:SCR_018539
Type: Tool

Proper Citation

EpiModel (RRID:SCR_018539)

Resource Information

URL: https://www.epimodel.org/

Proper Citation: EpiModel (RRID:SCR_018539)

Description: Software R package for mathematical modeling of infectious disease over networks. Provides tools for simulating and analyzing mathematical models of infectious disease dynamics. Mathematical Modeling of Infectious Disease Dynamics.

Resource Type: data analysis software, data processing software, software application, software resource, software toolkit

Defining Citation: PMID:29731699

Keywords: Infectious disease, mathematical modeling, simulation, analysis, infectious disease dynamic, bio.tools

Funding: NIAID P30 AI027757;
NIAID P30 AI050409;
NICHD R01 HD068395;
NICHD R21 HD075662;
NICHD T32 HD007543;
NIDA P30 DA027828;
NIMH R21 MH112449

Availability: Free, Available for download, Freely available

Resource Name: EpiModel

Resource ID: SCR_018539

Alternate IDs: biotools:epimodel

Alternate URLs: https://bio.tools/epimodel

Record Creation Time: 20220129T080340+0000

Record Last Update: 20260903T235501+0000

Ratings and Alerts

No rating or validation information has been found for EpiModel.

No alerts have been found for EpiModel.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Tsoumanis A, et al. (2024) Estimating Partnership Duration among MSM in Belgium-A Modeling Study. Infectious disease reports, 16(3), 435.

Tsoumanis A, et al. (2023) Rethinking Screening Intensity in Terms of Reducing Prevalence or Increasing Selection Pressure for the Emergence of Resistant Gonorrhea: A Modeling Study of Men Who Have Sex With Men in Belgium. Open forum infectious diseases, 10(4), ofad165.

Hamilton DT, et al. (2022) Modeling the Impact of HIV-1 Nucleic Acid Testing Among Symptomatic Adult Outpatients in Kenya. Journal of acquired immune deficiency syndromes (1999), 90(5), 553.

Rossetti G, et al. (2021) UTLDR: an agent-based framework for modeling infectious diseases and public interventions. Journal of intelligent information systems, 57(2), 347.

Hamilton DT, et al. (2021) Effective strategies to promote HIV self-testing for men who have sex with men: Evidence from a mathematical model. Epidemics, 37, 100518.

AlJohani NI, et al. (2021) Effect of non-pharmacological interventions on the COVID-19 epidemic in Saudi Arabia. Epidemiology and infection, 149, e252.

Haeussler K, et al. (2018) A dynamic Bayesian Markov model for health economic evaluations of interventions in infectious disease. BMC medical research methodology, 18(1), 82.

Delaney KP, et al. (2015) Optimizing Human Immunodeficiency Virus Testing Interventions for Men Who Have Sex With Men in the United States: A Modeling Study. Open forum infectious diseases, 2(4), ofv153.