

# EpiModel

## Mathematical Modeling of Infectious Disease

Version 1.0

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The `EpiModel` package provides tools for building, solving, and plotting mathematical models of infectious disease in R. It is part of the Statnet suite of software for the representation and analysis of networks. `EpiModel` currently provides functionality for three classes of epidemic models and three disease types for modeling. Built-in model classes and types may be expanded by the user for new research.

This vignette is a placeholder for the `EpiModel` tutorials, all hosted online and external to the package to minimize overhead and provide flexibility in updates. Everything may be found at the `EpiModel` website:

<http://statnet.org/trac/wiki/EpiModel>

Within the package, please consult the extensive help documentation:

```
help(package = "EpiModel")
```

There have been extensive revisions to the `EpiModel` user interface since the previous CRAN release. Names of functions, their organization within the package, and functionality have been updated. In addition to the help files, consult the software NEWS:

```
news(Version == "1.0", package = "EpiModel")
```

If using the `EpiModel` package for research, we request that you acknowledge this by citing the software in any publications:

Jenness SM, Goodreau SM, Morris M (2014). *EpiModel: Mathematical Modeling of Infectious Disease*. R package version 1.0. The Statnet Project, URL: <http://www.statnet.org/>.