

## **Random networks and epidemics**

Tom Britton, Stockholm University

Random networks may be used to describe the social structure in a community.

"On" such a network one can model the spread of an infection. Questions of interest to study are for example: Can a big outbreak occur?, How large will it be?, What is the effect of introducing a given vaccination scheme? In the talk we will survey this area, with focus on effects of the underlying random network on the questions formulated above.