

Edward Hill



- First year PhD student in Mathematical Epidemiology, at University of Warwick, UK.

- Background: Maths, Complexity Science
- Member of the Warwick Infectious Disease Epidemiology Research group (WIDER).
- Supervisors: Thomas House (Uni. Of Warwick), Michael Tildesley (Uni. Of Nottingham)

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THE UNIVERSITY OF
WARWICK

centre for
complexity
science

PhD Project: Modelling influenza A at the human-animal interface

Project Aim

- Address worrying gap in modelling of spillover transmission of influenza A from animals to humans.

Interests

- Stochastic, spatial models.
- Modelling multiple strains/multiple hosts.
- Mathematical models for cross-species transmission.

Applications

- H5N1 in Bangladesh, H7N9 in China.
- Parameter inference.
- Control strategies.

Transmission of influenza A between different animal species and humans:

