**Supplementary file 2.** Sample Stata code for mediation analysis using med4way

NOTE: the highlighted (in bold colour) are variables names, lists, or parameters to be chosen by the user.

\* When mediator is equal to 1 (known contact):

 Outcome: number of secondary cases (continuous)

 Exposure: intervention (binary)

 Mediator: source of infection (binary)

 Covariates: type of school (kindergarten), class size (<21 students), type of index case (student)

med4way **outcome exposure** **mediator covariates**, a0(0) a1(1) m(0) yreg(negbin) mreg(logistic)  fulloutput c(1 0 0)

\* When mediator is equal to 0 (unknown contact)

 Outcome: number of secondary cases (continuous)

 Exposure: intervention (binary)

 Mediator: source of infection (binary)

 Covariates: type of school (kindergarten), class size (<21 students), type of index case (student)

med4way **outcome exposure** **mediator covariates**, a0(0) a1(0) m(0) yreg(negbin) mreg(logistic)  fulloutput c(1 0 0)