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**Fred Brauer\*** ([brauer@math.ubc.ca](mailto:brauer@math.ubc.ca)), Department of Mathematics, University of British Columbia, 1984 Mathematics Road, Vancouver, BC , Canada. *An epidemic model with superspreading.*

It appears that superspreading events may be common in epidemics. We analyze a simple compartmental model for superspreading that may be useful early in a disease outbreak for estimating the final size of the epidemic. The model predicts fewer disease cases than a simple epidemic model with the same reproduction number in almost all cases, and may be better for estimating the effects of control measures. (Received September 23, 2017)