
APPENDIX 13

Modelling and influenza publications, 2010–2011

1. Baguelin M, Hoek AJV, Jit M, Flasche S, White PJ, Edmunds WJ. Vaccination against pandemic influenza A/H1N1v in England: A real-time economic evaluation. *Vaccine* 2011;28(12):2370–2384.
2. Boëlle PY, Ansart S, Cori A, Valleron AJ. Transmission parameters of the A/H1N1 (2009) influenza virus pandemic: a review. *Influenza Other Respi Viruses* 2011;Mar 31. doi: 10.1111/j.1750–2659.2011.00234.x. [Epub ahead of print].
3. Brown S, Tai J, Bailey R, Cooley P, Wheaton W, Potter M, Voorhees R, LeJeune M, Grefenstette J, Burke D, McGlone S, Lee B. Would school closure for the 2009 H1N1 influenza epidemic have been worth the cost?: a computational simulation of Pennsylvania. *BMC Public Health* 2011;11(1):353.
4. Cauchemez S, Bhattarai A, Marchbanks TL, Fagan RP, Ostroff S, Ferguson NM, Swerdlow D, the Pennsylvania H1N1 working group. Role of social networks in shaping disease transmission during a community outbreak of 2009 H1N1 pandemic influenza. *Proceedings of the National Academy of Sciences* 2011;108(7):2825–2830.
5. Chowell G, Echevarria-Zuno S, Viboud C, Simonsen L, Tamerius J, Miller MA, Borja-Aburto V. Characterizing the Epidemiology of the 2009 Influenza A/H1N1 Pandemic in Mexico. *PLoS Med* 2011;8(5):e1000436.
6. Chowell G, Viboud C, Munayco CV, Gomez J, Simonsen L, Miller MA, Tamerius J, Fiestas V, Halsey ES, Laguna-Torres VA. Spatial and Temporal Characteristics of the 2009 A/H1N1 Influenza Pandemic in Peru. *PLoS One* 2011;6(6):e21287.
7. Donnelly CA, Finelli L, Cauchemez S, Olsen SJ, Doshi S, Jackson ML, Kennedy ED, Kamimoto L, Marchbanks TL, Morgan OW, Patel M, Swerdlow DL, Ferguson NM, the pH1N1 Household Investigations Working Group. Serial Intervals and the Temporal Distribution of Secondary Infections within Households of 2009 Pandemic Influenza A (H1N1): Implications for Influenza Control Recommendations. *Clinical Infectious Diseases* 2011;52(suppl 1):S123–S130.
8. Eames KT, Tilston NL, White PJ, Adams E, Edmunds WJ. The impact of illness and the impact of school closure on social contact patterns. *Health Technol Assess* 2010;14(34):267–312.
9. Flasche S, Hens N, Boëlle P-Y, Mossong J, van Ballegooijen WM, Nunes B, Rizzo C, Popovici F, Santa-Olalla P, Hrubá F, Parmakova K, Baguelin M, van Hoek AJ, Desenclos J-C, Bernillon P, Cámara AL, Wallinga J, Asikainen T, White PJ, Edmunds WJ. Different transmission patterns in the early stages of the influenza A(H1N1)v pandemic: A comparative analysis of 12 European countries. *Epidemics* 2011;3(2):125–133.
10. Hansen E, Day T, Arino J, Wu JT, Moghadas SM. Strategies for the use of oseltamivir and zanamivir during pandemic outbreaks. *Can J Infect Dis Med Microbiol* 2010;21(1):e28–63.
11. House T, Baguelin M, Van Hoek AJ, White PJ, Sadique Z, Eames K, Read JM, Hens N, Melegaro A, Edmunds WJ, Keeling MJ. Modelling the impact of local reactive school closures on critical care provision during an influenza pandemic. *Proceedings of the Royal Society B: Biological Sciences* 2011;278(1719):2753–2760.

12. Jarquin VG, Callahan DB, Cohen NJ, Balaban V, Wang R, Beato R, Pordell P, Oyervides O, Huang WT, Lipman H, Fishbein D, Massoudi MS. Effect of school closure from pandemic (H1N1) 2009, Chicago, Illinois, USA. *Emerg Infect Dis* 2011;17(4):751–3.
13. Kenah E, Chao DL, Matrajt L, Halloran ME, Longini IM, Jr. The Global Transmission and Control of Influenza. *PLoS One* 2011;6(5):e19515.
14. Knipl DH, Röst G. Modelling the strategies for age specific vaccination scheduling during influenza pandemic outbreaks. *Math Biosci Eng* 2011;8(1):123–39.
15. Lessler J, dos Santos T, Aguilera X, Brookmeyer R, PAHO Influenza Technical Working Group, Cummings DA. H1N1pdm in the Americas. *Epidemics* 2010;2(3):132–8.
16. Lipsitch M, Finelli L, Heffernan RT, Leung GM, Redd SC, 2009 H1N1 Surveillance Group. Improving the evidence base for decision making during a pandemic: the example of 2009 influenza A/H1N1. *Biosecur Bioterror* 2011;9(2):89–115.
17. Marchbanks TL, Bhattarai A, Fagan RP, Ostroff S, Sodha SV, Moll MA rE, Lee BY, Chang C-CH, Ennis B, Britz P, Fiore A, Nguyen M, Palekar R, Archer WR, Gift TL, Leap R, Nygren BL, Cauchemez S, Angulo FJ, Swerdlow D, Group PW. An Outbreak of 2009 Pandemic Influenza A (H1N1) Virus Infection in an Elementary School in Pennsylvania. *Clinical Infectious Diseases* 2011;52(suppl 1):S154–S160.
18. Mathematical modelling of the pandemic H1N1 2009. *Weekly Epidemiological Record* 2009;84:341–352. Available at: <http://www.who.int/wer/2009/wer8434.pdf>.
19. Matrajt L, Longini IM. Optimizing vaccine allocation at different points in time during an epidemic. *PLoS One* 2010;5(11):e13767.
20. Moss R, McCaw JM, McVerno J. Diagnosis and antiviral intervention strategies for mitigating an influenza epidemic. *PLoS One* 2011;6(2):e14505.
21. Opatowski L, Fraser C, Griffin J, de Silva E, Van Kerkhove MD, Lyons EJ, Cauchemez S, Ferguson NM. Transmission Characteristics of Novel H1N1 Influenza : Experience from the South Hemisphere. *PLoS Pathogens* 2011;in press.
22. Prosper O, Saucedo O, Thompson D, Torres-Garcia G, Wang X, Castillo-Chavez C. Modeling control strategies for concurrent epidemics of seasonal and pandemic H1N1 influenza. *Math Biosci Eng* 2011;8(1):141–70.
23. Prosser LA, Lavelle TA, Fiore AE, Bridges CB, Reed C, Jain S, Dunham KM, Meltzer MI. Cost-Effectiveness of 2009 Pandemic Influenza A(H1N1) Vaccination in the United States. *PLoS One* 2011;6(7):e22308.
24. Sander B, Bauch CT, Fisman D, Fowler RA, Kwong JC, Maetzel A, McGeer A, Raboud J, Scales DC, Gojovic MZ, Krahn M. Is a mass immunization program for pandemic (H1N1) 2009 good value for money? Evidence from the Canadian Experience. *Vaccine* 2010;28(38):6210–6220.
25. Shaman J, Goldstein E, Lipsitch M. Absolute humidity and pandemic versus epidemic influenza. *Am J Epidemiol* 2011;173(2):127–35.
26. Shaman J, Jeon CY, Giovannucci E, Lipsitch M. Shortcomings of Vitamin D-Based Model Simulations of Seasonal Influenza. *PLoS One* 2011;6(6):e20743.
27. Shoji M, Katayama K, Sano K. Absolute humidity as a deterministic factor affecting seasonal influenza epidemics in Japan. *Tohoku J Exp Med* 2011;224(4):251–6.
28. Tracht SM, Del Valle SY, Hyman JM. Mathematical Modeling of the Effectiveness of Facemasks in Reducing the Spread of Novel Influenza A (H1N1). *PLoS One* 2010;5(2):e9018.
29. Truscott J, Fraser C, Cauchemez S, Meeyai A, Hinsley W, Donnelly CA, Ghani A, Ferguson N. Essential epidemiological mechanisms underpinning the transmission dynamics of seasonal influenza. *Journal of The Royal Society Interface* 2011.

30. Tuite AR, Fisman DN, Kwong JC, Greer AL. Optimal pandemic influenza vaccine allocation strategies for the Canadian population. *PLoS One* 2010;5(5):e10520.
31. van Hoek AJ, Underwood A, Jit M, Miller E, Edmunds WJ. The Impact of Pandemic Influenza H1N1 on Health-Related Quality of Life: A Prospective Population-Based Study. *PLoS One* 2011;6(3):e17030.
32. Van Kerkhove MD, Asikainen T, Becker NG, Bjorge S, Desenclos J-C, dos Santos T, Fraser C, Leung GM, Lipsitch M, Longini IM, Jr., McBryde ES, Roth CE, Shay DK, Smith DJ, Wallinga J, White PJ, Ferguson NM, Riley S, for the WHO Informal Network for Mathematical Modelling for Pandemic Influenza. Studies Needed to Address Public Health Challenges of the 2009 H1N1 Influenza Pandemic: Insights from Modeling. *PLoS Med* 2010;7(6):e1000275.
33. Viboud C, Miller M, Olson D, Osterholm M, Simonsen L. Preliminary Estimates of Mortality and Years of Life Lost Associated with the 2009 A/H1N1 Pandemic in the US and Comparison with Past Influenza Seasons. *PLoS Curr Influenza* 2010;Mar 20:RRN1153.
34. Wu J, Zhong X, Li CK-f, Zhou J-f, Lu M, Huang K-Y, Dong M, Liu Y, Luo F-J, Du N, Chui C, Liu L-Q, Smith NMG, Li B, Shi N-M, Song L-F, Gao Y, Wang D-Y, Wang X, Zhu W-F, Yan Y, Li Z, Chen J-T, McMichael AJ, Yin W-D, Xu X-N, Shu Y. Optimal vaccination strategies for 2009 pandemic H1N1 and seasonal influenza vaccines in humans. *Vaccine* 2011;29(5):1009–1016.