

Future Problem Solving Program International 2017-18
Spread of Infectious Disease –Practice Problem #1
Suggested Readings

Begley, S. (2015, November 12). Why the FBI and Pentagon are afraid of this new genetic technology. *STAT*. https://www.statnews.com/2015/11/12/gene-drive-bioterror-risk/?s_campaign=trendmd

Berkley, S. (2016, June 28). More people in less space: rapid urbanisation threatens global health. *The Guardian*. <https://www.theguardian.com/global-development/2016/jun/28/rapid-urbanisation-threatens-global-health-more-people-less-space-population-infectious-disease>

Borel, B. (2016, September 12). When evolution fights back against genetic engineering. *The Atlantic*. <https://www.theatlantic.com/science/archive/2016/09/gene-drives/499574/>

Branswell, H. (2016, May 27). Superbugs for dummies: Explaining the battle between bacteria and antibiotics. *STAT*. https://www.statnews.com/2016/05/27/superbug-antimicrobial-resistance-explainer/?s_campaign=trendmd

Branswell, H. (2017, January 17). A Nevada woman dies of a superbug resistant to every available antibiotic in the US. *STAT*. <https://www.statnews.com/2017/01/12/nevada-woman-superbug-resistant/>

Gutierrez, D. (2016, December 28). How Big Data Is Being Used to Fight Infectious Disease Threats. *Inside Big Data*. <http://insidebigdata.com/2016/12/28/how-big-data-is-being-used-to-fight-infectious-disease-threats/>

MacIntyre, C.R. (2016, October 13). Social media for tracking disease outbreaks – fad or way of the future? *The Conversation*. <http://theconversation.com/social-media-for-tracking-disease-outbreaks-fad-or-way-of-the-future-66401>

McKenna, M. (2016, January 6). Last-Ditch Drug Resistance: China and Europe Respond. *National Geographic*. <http://phenomena.nationalgeographic.com/2016/01/06/colistin-r-6/>

McNeil, D.G. Jr. (2017, March 2). *NYTimes.com*. <https://www.nytimes.com/2017/03/02/health/birth-defects-rise-twentyfold-in-mothers-with-zika-cdc-says.html>

University of California - Los Angeles. (2017, February 7). New study is an advance toward preventing a 'post-antibiotic era': Biologists identify drug combinations that may be highly effective at reducing growth of deadly bacteria. *ScienceDaily*. www.sciencedaily.com/releases/2017/02/170207142642.htm

Vidal, J. (2016, September 9). 'Water is peace, life, dignity': why the UN deputy chief has a thirst for saving lives. *The Guardian*. <https://www.theguardian.com/global-development/2016/sep/09/thirst-for-saving-lives-united-nations-water-man-jan-eliasson-deputy-secretary-general>

Caution: We strongly advise coaches to screen all publications prior to making them accessible to students.