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FURTHER READING

Epidemics of infectious diseases: what science says

N.B. This is not a complete bibliography, but a list of references cited in the text and some general sources. This material dates from before or at the very beginning of the COVID-19 epidemic and is intended as a general background to thinking about epidemics.

- A science journalist with *The New Yorker* put together two books of his well-written articles about research into the early stages of epidemics from both infectious and non-infectious sources: Roueché, B. *The Medical Detectives*. Volume I & Volume II. Washington Square Press, 1980 and 1986. Still in print.

- A fairly technical introduction about the spread of infectious diseases in closed rooms in hospitals (based on experience of the earlier SARS epidemic at the beginning of the 20th century), explaining the principles of transmission in rooms: Factors involved in the aerosol transmission of infection and control of ventilation in healthcare premises - PubMed (nih.gov)

- The WHO's perspective on the future of epidemic control, a kind of "latest state of the art" account intended for policy-makers around the world. Written in 2018, before the current COVID-19 epidemic, with already an emphasis on potential resistance to quarantine and the problem of rumours about the epidemic on social media (on page 26): managing-epidemics-interactive.pdf (who.int)

- Daniel Defoe's *A Journal of the Plague Year* is a fine literary-historical work about a plague epidemic. Defoe wrote his rather ironical account in 1722 about the epidemic in London in 1665, based on his uncle's diaries and other documents from 1664–5. Available for free download, for example from Project Gutenberg (https://www.gutenberg.org/ebooks/376).

- A basic explanation of the R_0 and the R: https://plus.maths.org/content/maths-minute-r0-and-herd-immunity

- A mathematically advanced introduction (2018) on the R_0 and the epidemic curve. The figure on the 1905 Bombay (Mumbai) plague epidemic in the present paper is taken from this publication but is derived from an earlier mathematical publication of 1927. https://www.researchgate.net/publication/328357232_An_Introduction_to_The_Basic_Reproduction_Number_in_Mathematical_Epidemiology

- *Anticontagionism between 1821 and 1867* is a lecture on the conflict between the two theories of infectiousness and the social background to that conflict in the first half of the 19th century. *Anticontagionism between 1821 and 1867*, The Fielding H. Garrison Lecture. Originally published in 1948, reprinted in *International Journal of Epidemiology* 2009: https://doi.org/10.1093/ije/dyn254

Amsterdam, March 2021

Five articles with the first data on the epidemic in China, published in the British medical journal *The Lancet* in January 2020:

- Nowcasting and forecasting the potential domestic and international spread of the 2019-nCoV outbreak originating in Wuhan, China: a modelling study
  The Lancet; Vol. 395 No. 10225 Published: January 31, 2020

- Epidemiological and clinical characteristics of 99 cases of 2019 novel coronavirus pneumonia in Wuhan, China: a descriptive study
  The Lancet; Vol. 395 No. 10223 Published: January 30, 2020

- Genomic characterisation and epidemiology of 2019 novel coronavirus: implications for virus origins and receptor binding
  The Lancet; Vol. 395 No. 10224 Published: January 30, 2020

- A familial cluster of pneumonia associated with the 2019 novel coronavirus indicating person-to-person transmission: a study of a family cluster
  The Lancet; Vol. 395 No. 10223 Published: January 24, 2020

- Clinical features of patients infected with 2019 novel coronavirus in Wuhan, China
  The Lancet; Vol. 395 No. 10223 Published: January 24, 2020