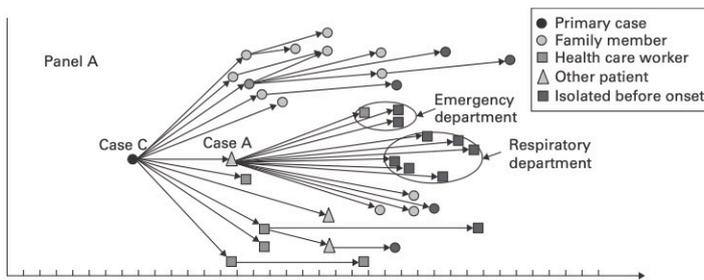SOFTWARE

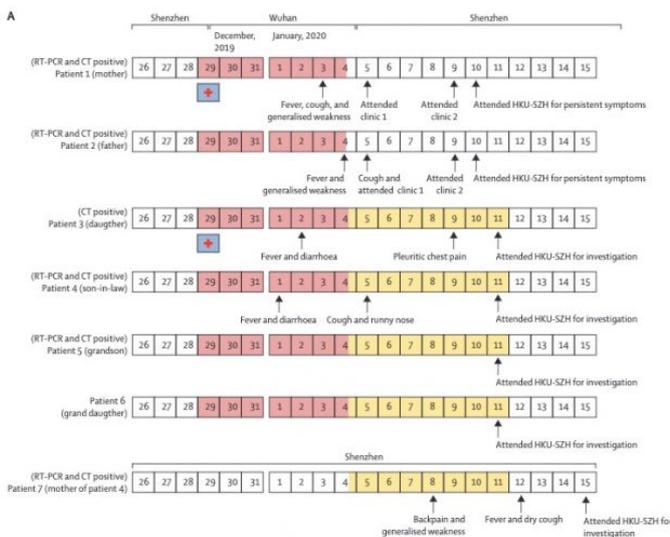# GRAPHICAL DISPLAY OF OUTBREAKS: TRANSMISSION TREES

30.06.2020

Let's start with some examples from the literature, find out necessary elements, compare different versions and develop a R template for general use.

"Exploding Stars"

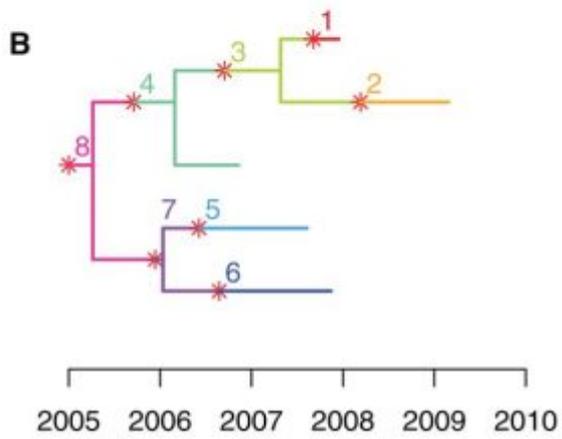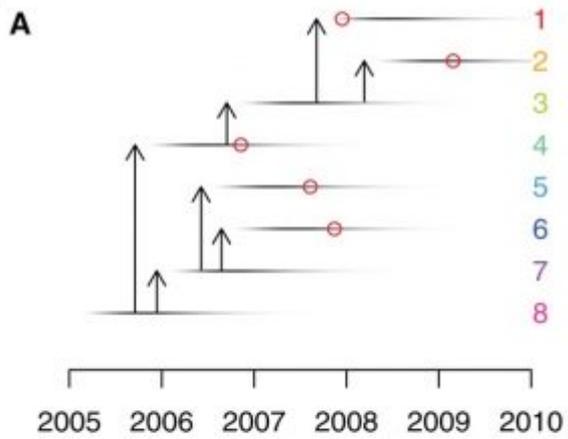*CDC Field Epidemiology Handbook, 2019, ISBN 9780190933692 p115*

"Tetris"

https://doi.org/10.1016/S0140-6736(20)30154-9 (2020)

"Clean Undeterministic"

"Clean Tree"

Fig. 1

"Tree Addons"

A233-P985-28/01/2002
A233-P986-27/07/2004
A233-P1421A-28/05/2001
A233-P1421b-28/05/2001
A233-P885-20/03/2000
A233-P886-03/10/2008

A252-P928-28/07/1992
A253-P1447-16/09/1992
A253-P929-15/04/1993

A236-P892-05/04/1998
A236-P893-10/04/2006
A236-P894-10/04/2006
A236-P962-22/02/1999
A236-P1419-14/02/2001
A236-P1426/24/06/2002
A236[P964-26/10/1998

A223-P866-10/03/2004
A233-P972-08/11/2003
A223-P865-06/04/1992
A223-P971-07/12/2000
A233-P1394-24/05/1994
A223-P1449-06/04/1993
A223-P969-20/11/1995
A223-P970-29/07/1998
A233-P1396-13/03/1996
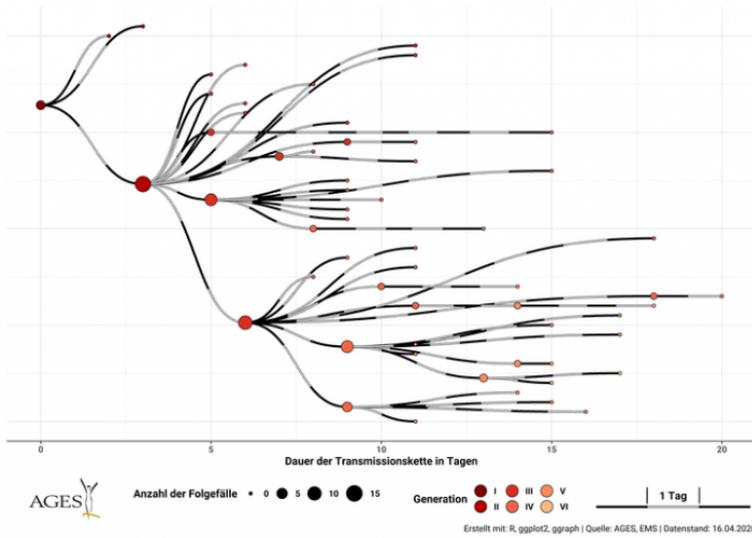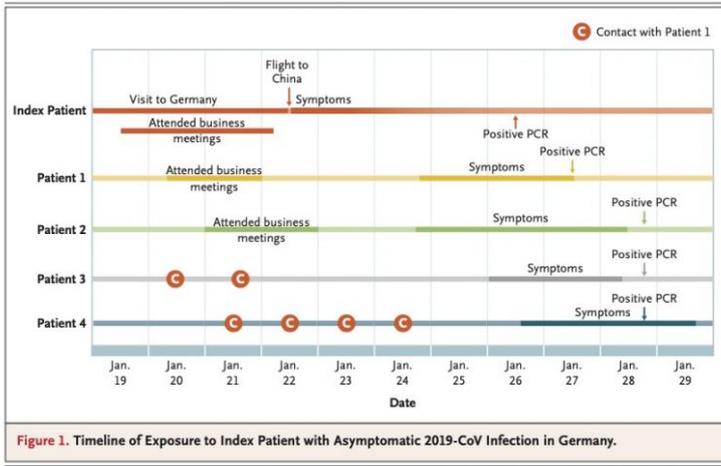
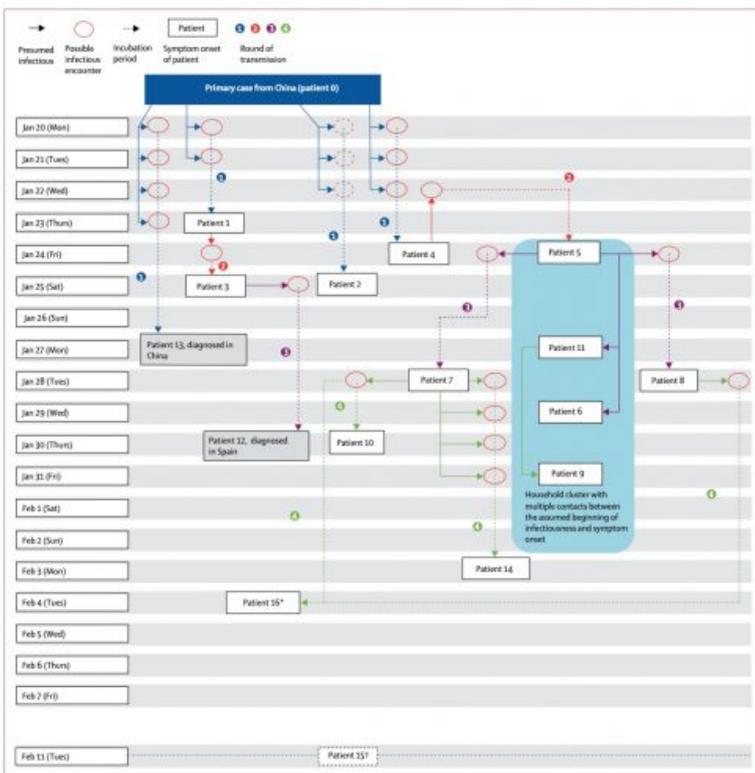*https://openres.ersjournals.com/content/4/2/00162-2017*

"Railways"

https://www.ages.at/service/service-presse/pressemeldungen/epidemiologische-abklaerung-am-beispiel-covid-19/
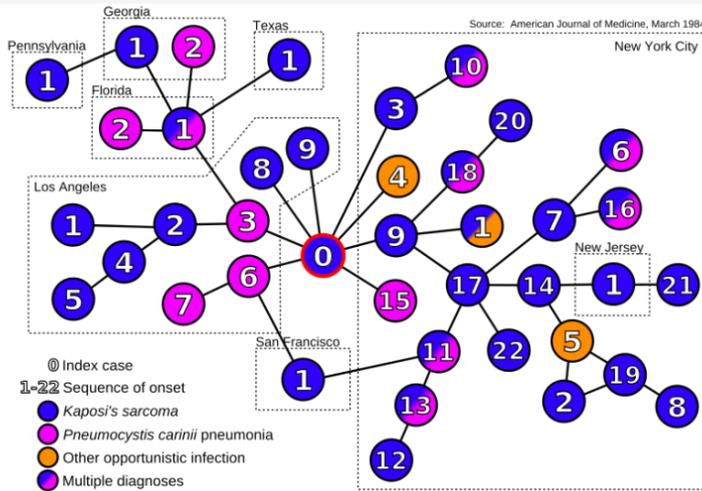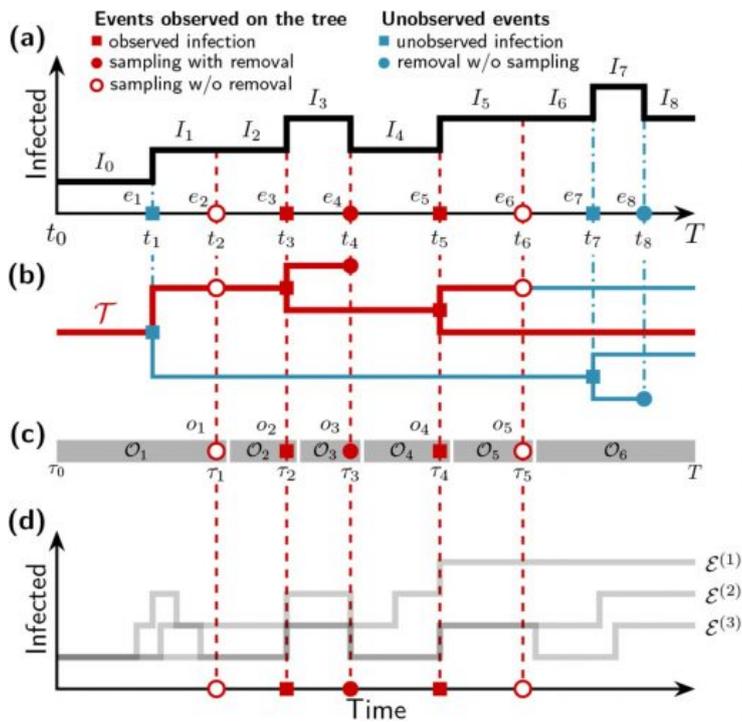
"Simple "

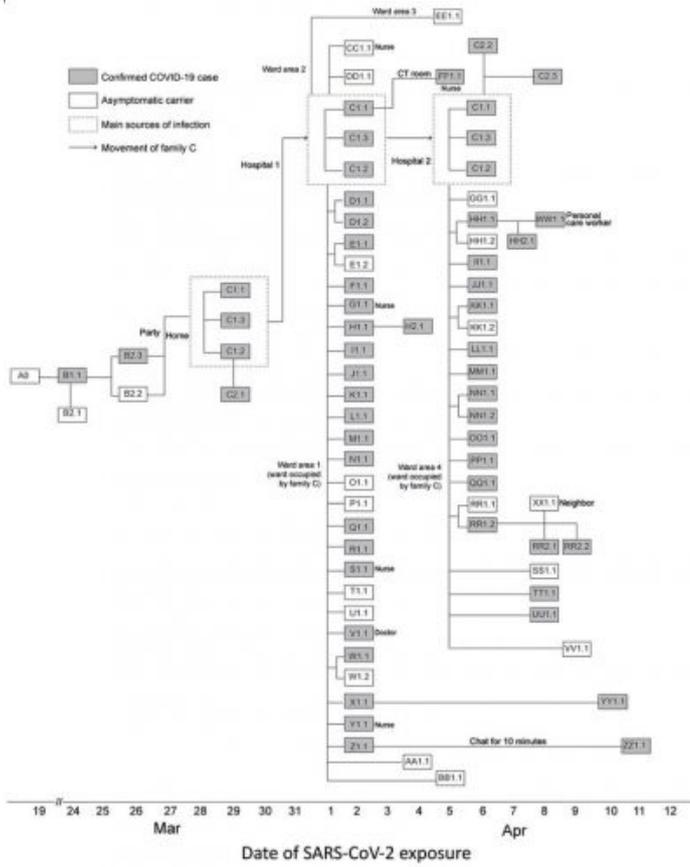**Figure 1.** Timeline of Exposure to Index Patient with Asymptomatic 2019-CoV Infection in Germany.

https://www.ncbi.nlm.nih.gov/pubmed/32003551

"Vertical"

"star bus"

https://en.wikipedia.org/wiki/Index_case

"Mathematical"

https://www.biorxiv.org/content/10.1101/142570v3.full

"Genetics"

https://wwwnc.cdc.gov/eid/article/26/9/20-1798_article

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