

How one case can spiral into 1,000

Arising from one index case....

Serial interval*	5	5	5	5	4	4	4	4
Reproductive ratio**	1	1.25	2	2.5	1	1.25	2	2.5
Days elapsed	15	15	15	15	16	16	16	16
Cumulative cluster size	4	5	15	25	5	8	31	64
Days elapsed	30	30	30	30	28	28	28	28
Cumulative cluster size	7	15	127	406	8	19	255	1,016

*Number of days between successive cases in a chain of transmission.

**Number of additional cases each case is expected to generate in the course of the case being infectious. Social distancing helps reduce this number.

NOTE: The above numbers are simplified to some extent because it ignores persons being cured or dying from the disease. (Mathematical formula: cumulative cluster size = $1 + Rt + Rt^2 + Rt^3 + Rt^4$Cluster size rounded down to nearest whole number)