

Measure	Modeled Effect on R0	full lockdown	R0	intelligent lockdown	R0	Regular life w/ new social norms	R0
No measures	0		2.5		2.5		2.5
Finding and Isolating patients	0.84	yes	2.1	yes	2.1	yes	2.1
Contact tracing and quarantine (est. down from 51% to 35%)	0.65	yes	1.365	yes	1.365	yes	1.365
People with respiratory symptoms stay home	0.86	yes	1.1739	yes	1.1739	yes	1.174
Hand & cough hygiene	0.85	yes	0.997815	yes	0.997815	yes	0.998
Disinfect surfaces	0.98	yes	0.977859	yes	0.977859	yes	0.978
No handshakes	0.94	yes	0.919187	yes	0.919187	yes	0.919
Keeping 2 meter distance	0.94	yes	0.864036	yes	0.864036	yes	0.864
No social interactions outside household	0.85	yes	0.734431	no		no	
No meetings >10 people	0.94	yes	0.690365	yes	0.812194	yes	0.812
<u>Close restaurants and bars</u>	0.89	yes	0.614425	yes	0.722852	no	
Close joint sports	0.94	yes	0.577559	no		no	
<u>Work from home/close non-essential work</u>	0.86	yes	0.496701	yes	0.621653	no	
<u>Close daycare</u>	0.95	yes	0.471866	yes	0.59057	no	
<u>Close primary school</u>	0.95	yes	0.448273	yes	0.561042	no	
<u>Close high school</u>	0.95	yes	0.425859	yes	0.53299	no	
<u>Close church</u>	0.98	yes	0.417342	yes	0.52233	no	
Essential business, delivery only?	0.94	yes	0.392301	no		no	
total estimated R0			0.4		0.52		0.8
total reduction			-84%		-80%		-68%

- Model assuming effect quarantine 35%
- Note: modeled effects.
- Note: small numbers make model less reliable
- Note: for healthcare capacity scenarios, a reduction of 50-60% would suffice to keep healthcare system afloat.

Model # of infections on May 10th

• Assumptions

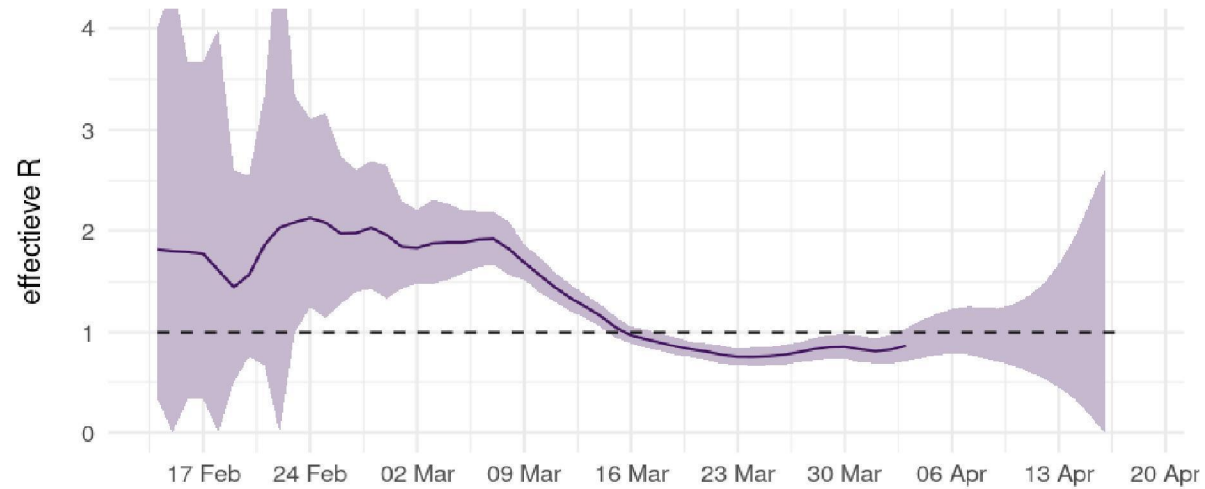
- Generation of infection on average 5-6 days
- R0 with
 - No measures: ≈ 2.5
 - Regular life with new social norms: ≈ 0.8
 - Full Lock down: ≈ 0.4
- 40% asymptomatic infection;

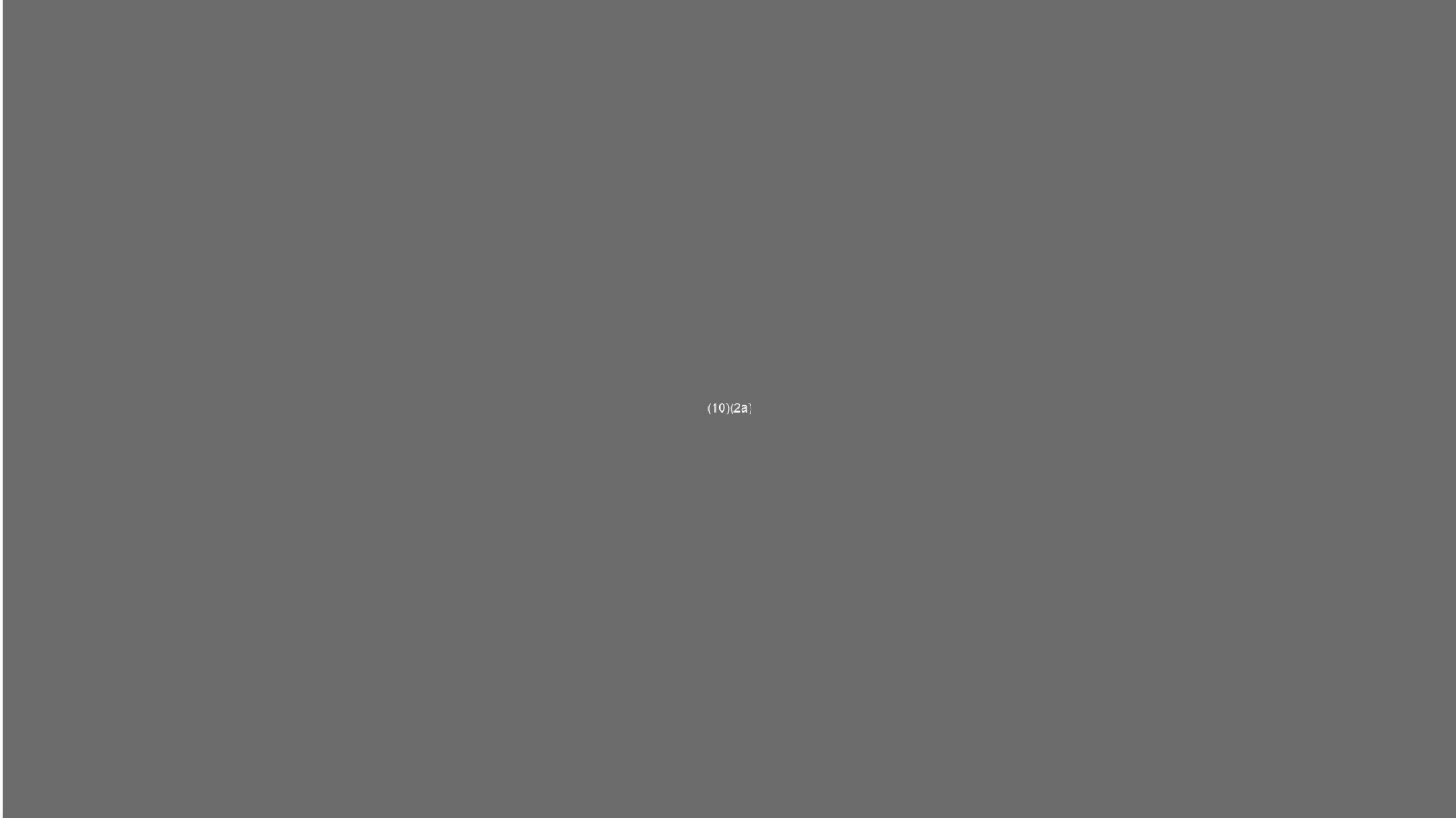
No. infected people at start of lockdown	R0	No. infections after 5-6 days	No. infections after 10-12 days	No. of infections after 15-18 days	No. of infections 20-24 days	No. of infections at day 25-30
	2.5	50	140	350	875	2187
	0.8	16	12.8	10.2	8.2	6.6
	0.4	8	3.2	1.28	0.5	0.20
	2.5	25	63	156	390	975
	0.8	8	6.4	5.1	4	3.2
	0.4	4	1.6	0.64	0.25	0.1
	2.5	12.5	31.25	78.1	195	487.5
	0.8	4	3.2	2.5	2	1.6
	0.4	2	0.8	0.32	0.13	0.05

- No widespread virus: 1 pt admitted/70+ negative tests

R0 voor nederland

- Zelfs met scholen dicht dus niet veel lager dan 0.8?





(10)(2a)