

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
Close restaurants and bars	0.89	yes	0.614425	yes	0.722852	no	
Close joint sports	0.94	yes	0.577559	no		no	
Work from home/close non- essential work	0.86	yes	0.496701	yes	0.621653	no	
Close daycare	0.95	yes	0.471866	yes	0.59057	no	
Close primary school	0.95	yes	0.448273	yes	0.561042	no	
Close high school	0.95	yes	0.425859	yes	0.53299	no	
Close church	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

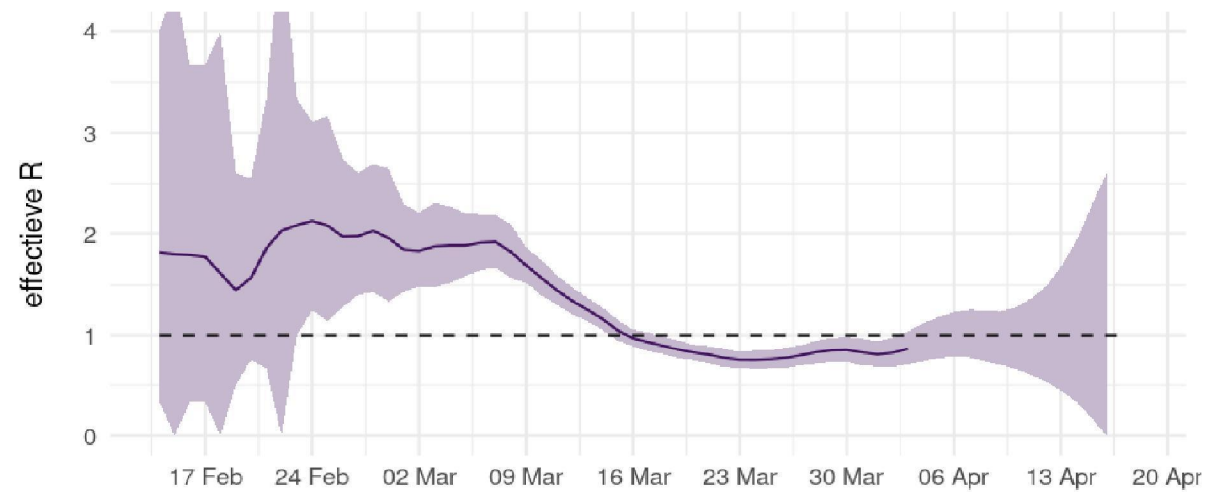
- Generation of infection on average 5-6 days
- R0 with
 - No measures: ≈ 2.5
 - Regular life with new social norms: ≈ 0.8
 - Full Lock down: ≈ 0.4
- 40% asymptomatic infection;

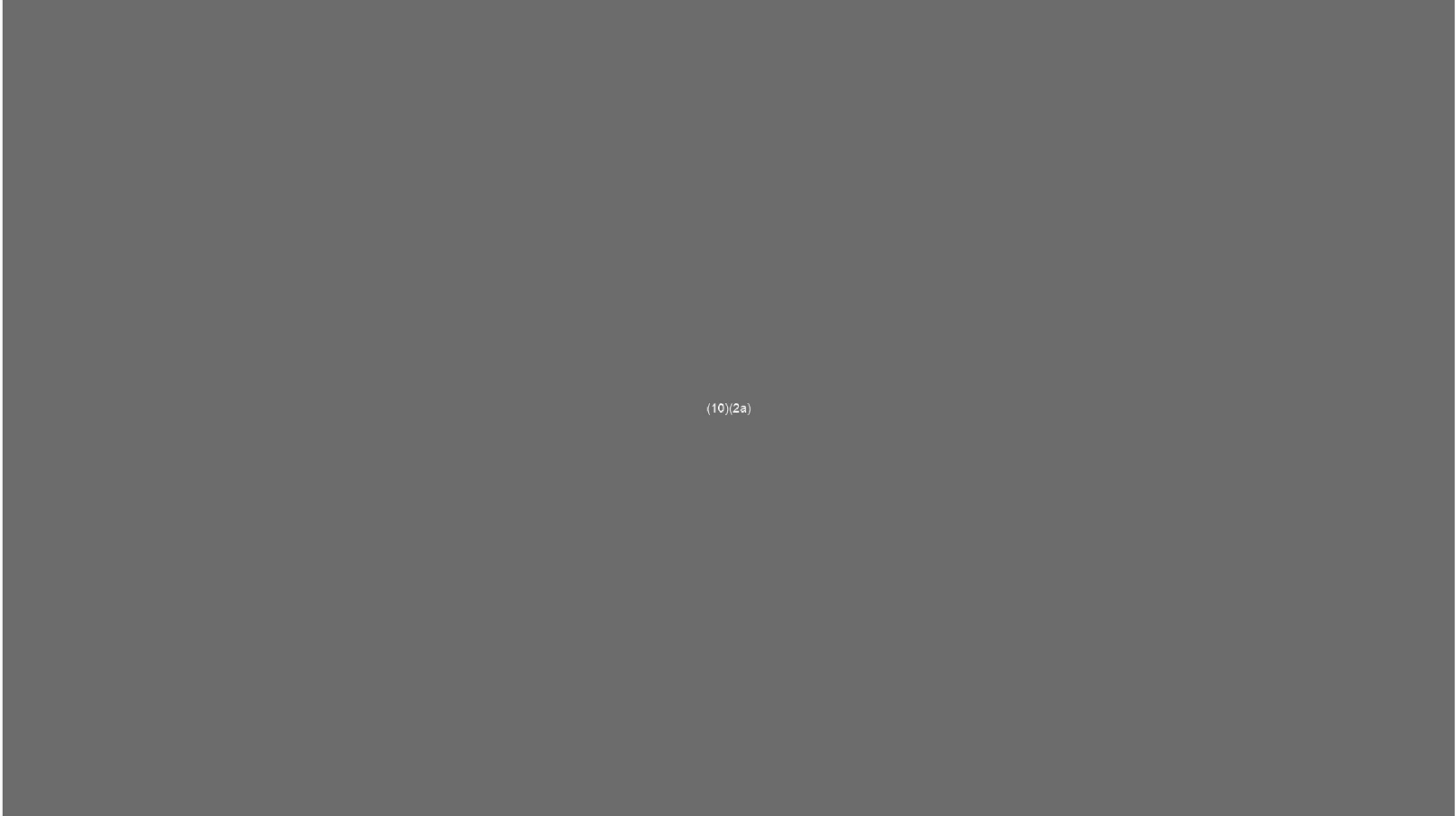
No. infected people at start of lockdown	R0	No. infections after 5-6 days	No. infections after 10-12 days	No. of infections after 15-18 days	No. of infections 20-24 days	No. of infections at day 25-30
	2.5	50	140	350	875	2187
	0.8	16	12.8	10.2	8.2	6.6
	0.4	8	3.2	1.28	0.5	0.20
	2.5	25	63	156	390	975
	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)