

## Raadpleging Scandinavische landen en Finland mbt exitstrategie

5.1.2e, 15 april 2020

### Geraadpleegd:

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### Doel

Informatie mbt verloop  $R_t$  en andere indicatoren mvt opening van de scholen, stand van zaken besluitvorming m.b.t. opening van de scholen en evt. aanvullende indicatoren om het effect daarvan op de transmissie te monitoren. Ook gevraagd naar nog niet gepubliceerde data over rol kinderen in de transmissie.

### Finland

*"We are using a similar measure - our modellers have estimated that we need to suppress the reproductive number to 1.6-1.4 to avoid overburdening of the health system. Currently we may be below this actually.*

*We are equally interested in the role of children and have struggled with the same question. However our decision makers have not yet made a decision yet on opening of the schools."*

### Zweden

*'Right now after the holidays our  $R_t$  is a bit tricky but just before it was around 1.2 and getting lower every week. We have not really had any problems that we can see with schools; only about 200 cases below the age of 20 with 12 000 diagnosed. But as you know they rarely have symptoms. Most cases are above 50 so even parents are rare'*

### Noorwegen

*'In Norway we will open kindergartens next week. We have been working intensively lately with school authorities, organizations for the employees and employers to develop a guideline for the process and the actions! It is about having smaller groups of kids and more space, having more strict hygiene measures and keeping all away from the kindergartens if they have any symptoms. As well we hope to increase the testing capacity soon.*

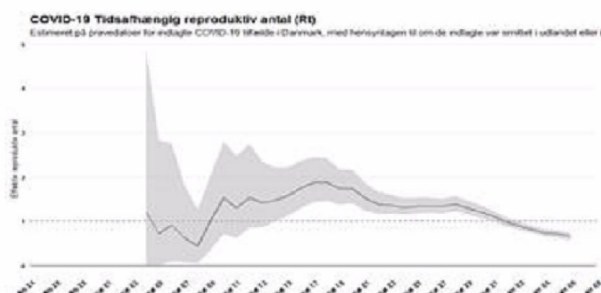
*The week after we will re-open the schools from grade 1 – 4. Having some of the same concerns as above. There is an expressed will also to open all schools before summer holiday, but no concrete timeline set yet.*

*The last Effective R calculated by our modelers is 0,7. We will try and update this now on a regular basis, day by day, also to try and measure the effects of lifting some of the societal measures”*

Denemarken

*‘ We are opening child care and schools today (up to 5<sup>th</sup> grade) and some private workplaces that have been at reduced activity due to corona (with a general recommendation of working from home and flexibility in terms of coming and going). Recommendations of social distancing are crucial and are constantly reinforced.*

*R is down around 0.6. See:*



*Indeed, the epidemic curve based on hospital admissions has been declining since April 1; this was earlier than predicted in the models. This is primarily interpreted as a major impact on social distancing and in particular persons aged 70-79 years who went into self-isolation as of mid March 2020.*

*We have done modelling to support the decision by the government, and these are available at <https://www.ssi.dk/aktuelt/nyheder/2020/matematisk-modellering-af-covid19> (three reports).*

*Because the epidemic in Denmark peaked before it was forecasted, there is an option of a new opening of the society, and the impact of add-ons are currently being modelled. This will provide input into the political process over the next couple of days.”*

Additionele informatie:

<https://www.coronaindenmark.dk/post/summary-07-04-2020-guidelines-for-children-parents-and-teachers-available-now>

1. *Schools, daycares and kindergarten must take various precautions into use, when reopening after Easter. This includes more space between the children, teaching proper hand-wash, and potentially do the care or teaching at different times of the day. Children and staff should not come to school or work if sick, but can come if healthy, even if someone in the household is in a risk group, or infected - they must then isolate themselves in the home.*
2. *The Danish Institute for Serum estimates that the real amount of infected in Denmark can be somewhere between 30 to 80 times higher, than the current number.*
3. *Inmates in the Danish prisons will participate in the production of visors, which will be distributed to the healthcare system.*

4. *The Danish Institute for Serum estimates that the infection rate (the  $R_0$ -value) will increase from 1 to 1.23 with the implementation of the first phase of the reopening of Denmark. This will lead to a higher amount of hospitalized and patients in intensive care*

## Conclusie

- Alle landen volgen effectieve  $R_0$  als indicator verloop uitbraak (in Denemarken ook berekend obv ziekenhuisopnames, aannemelijk dat dit ook zo is gedaan in de andere landen).
- $R_t$  bij allen rondom de 1
- Zweden heeft de scholen niet gesloten,  $R_t$  rond 1,2 en dalend
- Finland doet uitspraak over de hoogte  $R_t$  dat acceptabel is (1,6-1,4), om de overbelasting van de zorg te voorkomen; Finland heeft nog geen besluit mbt heropening scholen
- Denemarken en Noorwegen hebben keuzes gemaakt mbt heropening scholen (gefaseerd in Noorwegen, eerst KDV, daarna basisschool gr 1-4)
- In Denemarken heeft heropening een effect op  $R_t$  in de modellen, dit effect is meegenomen in de communicatie en vertaald naar wat dit betekent in termen van opnames in zh en ic
- Geen additionele data over rol kinderen in de transmissie, dezelfde aannames als bij ons
- Overall ook andere maatregelen om de social distancing te bevorderen
- Impact versoepeling andere maatregelen wordt gemodelleerd in Denemarken
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- Link naar model Denemarken  
(<https://www.ssi.dk/aktuelt/nyheder/2020/matematisk-modellering-af-covid19>)
- Link naar voorwaarden versoepeling schooladvies  
(<https://www.coronaidenmark.dk/post/summary-07-04-2020-guidelines-for-children-parents-and-teachers-available-now>)
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