

**To:** [redacted] [redacted] [redacted]@rivm.nl]  
**From:** [redacted]  
**Sent:** Thur 1/21/2021 10:18:13 AM  
**Subject:** Re: is er een overzicht met verwachte leveringen vaccins?  
**Received:** Thur 1/21/2021 10:18:14 AM

Hi [redacted]

I currently assume everyone will be infected from within the age group. I make the assumption that the outside force of infection won't change much (due to the limited impact of vaccinating older age groups on transmission).

Best,

[redacted]

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**From:** [redacted]  
**Sent:** Thursday, 21 January 2021 10:55:21  
**To:** [redacted]; [redacted]  
**Subject:** RE: is er een overzicht met verwachte leveringen vaccins?

Hi [redacted]

Excellent, the set up is fine with me, I will ask around what starting date is realistic. Do you take force of infection as a forcing function (because it is driven by other age groups), or do you assume everyone will be infected by others in this age groups, or both?

Best

[redacted]

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**From:** [redacted] <[redacted]@rivm.nl>  
**Sent:** donderdag 21 januari 2021 08:22  
**To:** [redacted] <[redacted]@rivm.nl>; [redacted] <[redacted]@rivm.nl>  
**Subject:** Re: is er een overzicht met verwachte leveringen vaccins?

I agree with [redacted] that we should be able to answer this question today or tomorrow. The deadline of the 28th for the report is fine.

[redacted] I've coded up a non-age structured compartmental model, which I think we can use for the the 60-70 question. My idea is to simulate this group assuming they start receiving AstraZeneca on 29 January (please let me know if this is not a valid assumption). Then I'll perform a separate simulation in which this groups doesn't get vaccinated until much later with Pfizer. I can output incidence and hospitalisations and compare between the two scenarios. Will that be sufficient? I can also run my individual based model (which will capture the changes in force of infection due to the vaccination of other groups), but that may need the weekend to run.

Let me know what you think.

Best,

[redacted]

**From:** 5.1.2e

**Sent:** Wednesday, 20 January 2021 17:47:13

**To:** 5.1.2e ; 5.1.2e

**Subject:** RE: is er een overzicht met verwachte leveringen vaccins?

To be honest, given the low availability of vaccine I think we are able to formulate a short answer on this "60-70 question" before the weekend.

As with what kind of assumption on the development of the FOI in February/March/April would it make more sense not to vaccinate those 60-75 and start vaccinating the <60?

I think this is worth considering because it might help the GR for their meeting on the 25<sup>th</sup> instead the 1<sup>st</sup>. Then they can move on, and perhaps because of this, people can start preparing one week earlier for this change in plan (although it was already mentioned in the vaccination schedule, so it is not really a change of plan).

However, I still like the deadline of the 28<sup>th</sup> for a report which includes a wider set of questions,

Best wishes,

5.1.2e

dubbel

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