

**To:** [REDACTED] [REDACTED]@p-95.com]  
**From:** [REDACTED]  
**Sent:** Thur 1/28/2021 8:12:13 AM  
**Subject:** RE: Biases in VE assessment (TND and Screening method) COVID-19 vaccine  
**Received:** Thur 1/28/2021 8:12:13 AM

Thanks [REDACTED] yes, I'm also putting my hopes up for getting estimates from care homes-will be in touch!

[REDACTED]

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**From:** [REDACTED] <[REDACTED]@p-95.com>  
**Date:** 27 January 2021 at 18:43:13 CET  
**To:** [REDACTED]@phe.gov.uk>, [REDACTED] <[REDACTED]@rivm.nl>  
**Cc:** [REDACTED] <[REDACTED]@rivm.nl>, [REDACTED] <[REDACTED]@rivm.nl>, [REDACTED] <[REDACTED]@rivm.nl>, [REDACTED] <[REDACTED]@rivm.nl>, [REDACTED] <[REDACTED]@rivm.nl>  
**Subject:** RE: Biases in VE assessment (TND and Screening method) COVID-19 vaccine

[REDACTED]

Some bedtime reading on the topic:

<https://www.medrxiv.org/content/10.1101/2021.01.21.21250258v1>

<https://journals.plos.org/plosone/article/authors?id=10.1371/journal.pone.0199180> (ADVANCE paper you are referring to)

We are happy to share the source code, let me know if you are interested.

I will look at [REDACTED] PPT in more detail later, I can imagine the early VE estimates are extremely challenging. I was thinking that looking at elderly home residents and doing a controlled ITS analysis would be the fastest and easiest way to obtain early VE results (at least would work in Belgium – if they get their data organized).

[REDACTED]

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**Van:** [REDACTED] <[REDACTED]@phe.gov.uk>  
**Verzonden:** Wednesday, January 27, 2021 11:11 AM  
**Aan:** [REDACTED] <[REDACTED]@rivm.nl>; [REDACTED] <[REDACTED]@p-95.com>  
**CC:** [REDACTED] <[REDACTED]@rivm.nl>; [REDACTED] <[REDACTED]@rivm.nl>; [REDACTED] <[REDACTED]@rivm.nl>; [REDACTED] <[REDACTED]@rivm.nl>; [REDACTED] <[REDACTED]@rivm.nl>; [REDACTED] <[REDACTED]@rivm.nl>  
**Onderwerp:** RE: Biases in VE assessment (TND and Screening method) COVID-19 vaccine

Hi [REDACTED]

I have seen a draft paper that a chap called [REDACTED] [REDACTED]@lshtm.ac.uk has submitted on TNCC biases and COVID. Not sure if it is out yet.

On a more applied front I did a presentation on Monday to a WHO group with the following slides related to this question that will effect some of our early VE studies. In the attached I am changing the negative selection in those with more than one to up to a random set of 3 with >10 days between onset dates (for the symptomatic analysis). I think I will have a different rule if applied to data using just swabbing dates with no onset.

I am not aware of a more focused bias group – Kaat and I have lots of discussions! Interesting to know what you think – I am so busy analysing data I don't have time to be on working groups.

Best wishes

5.1.2e

**From:** 5.1.2e <5.1.2e@rivm.nl>  
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**Subject:** Biases in VE assessment (TND and Screening method) COVID-19 vaccine

Dear 5.1.2e

Hope you are well. A group from RIVM is starting work on biases in VE assessment (using TND and screening method). Is there a working group / discussion group where some of us can join in? I know that in ADVANCE a tool was developed, is this being used?

With best wishes,

5.1.2e

5.1.2e 5.1.2e

Centre for Epidemiology and Surveillance of Infectious Diseases (EPI)  
 Centre for Infectious Disease Control (CIb)  
 National Institute for Public Health and the Environment (RIVM)

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