

**To:** [REDACTED] [REDACTED] [REDACTED]@p-95.com]  
**From:** [REDACTED] [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] <[REDACTED]@p-95.com>  
**Date:** 27 January 2021 at 18:43:13 CET  
**To:** [REDACTED] [REDACTED] <[REDACTED]@phe.gov.uk>, [REDACTED] [REDACTED] <[REDACTED]@rivm.nl>  
**Cc:** [REDACTED] [REDACTED] <[REDACTED]@rivm.nl>, [REDACTED] [REDACTED] [REDACTED] <[REDACTED]@rivm.nl>, [REDACTED] [REDACTED] [REDACTED] <[REDACTED]@rivm.nl>, [REDACTED] [REDACTED] [REDACTED] <[REDACTED]@rivm.nl>, [REDACTED] [REDACTED] [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] <[REDACTED]@phe.gov.uk>  
**Verzonden:** Wednesday, January 27, 2021 11:11 AM  
**Aan:** [REDACTED] [REDACTED] <[REDACTED]@rivm.nl>; [REDACTED] [REDACTED] <[REDACTED]@p-95.com>  
**CC:** [REDACTED] [REDACTED] <[REDACTED]@rivm.nl>; [REDACTED] [REDACTED] [REDACTED] <[REDACTED]@rivm.nl>; [REDACTED] [REDACTED] <[REDACTED]@rivm.nl>; [REDACTED] [REDACTED] <[REDACTED]@rivm.nl>; [REDACTED] [REDACTED] <[REDACTED]@rivm.nl>; [REDACTED] [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 <5.1.2e @rivm.nl>

**Sent:** 27 January 2021 09:23

**To:** 5.1.2e 5.1.2e <5.1.2e @phe.gov.uk>; 5.1.2e 5.1.2e <5.1.2e @p-95.com>

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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

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Centre for Epidemiology and Surveillance of Infectious Diseases (EPI)

Centre for Infectious Disease Control (CIb)

National Institute for Public Health and the Environment (RIVM)

5.1.2e @rivm.nl

5.1.2e

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