

**To:** [redacted] (5.1.2e) [redacted] (5.1.2e) @minvws.nl]; [redacted] (5.1.2e) [redacted] (5.1.2e) @rivm.nl]  
**From:** [redacted] (5.1.2e)  
**Sent:** Wed 11/4/2020 4:20:53 PM  
**Subject:** RE: EWRS: New Other information notification added by Denmark  
**Received:** Wed 11/4/2020 4:20:54 PM

Hoi [redacted] (5.1.2e)

De bevindingen van de Denen passen helemaal in de spreeklijn die we vorige week hebben afgestemd. Met die toevoeging dat er in Denemarken meer infecties in de algemene populatie is gevonden. Dat is in Nederland niet gezien.

Ik weet niet in hoeverre dit samenhangt met het bericht dat Denemarken nu alles gaat ruimen. Voor de NL situatie heeft het geen gevolgen, hier wordt de hele sector gestopt deze maand.

Het enige wat ik kan verzinnen, is dat we misschien toch nog iets meer WGS moeten doen bij mensen uit de regio; van de nertsbedrijven.

Spreek je zo,

[redacted] (5.1.2e)

**Van:** [redacted] (5.1.2e) <[redacted] (5.1.2e) @minvws.nl>  
**Verzonden:** woensdag 4 november 2020 16:15  
**Aan:** [redacted] (5.1.2e) <[redacted] (5.1.2e) @rivm.nl>; [redacted] (5.1.2e) <[redacted] (5.1.2e) @rivm.nl>  
**Onderwerp:** RE: EWRS: New Other information notification added by Denmark

Ik heb het ook medegedeeld aan LNV.  
 Blijkbaar moet het nog worden herhaald maar is nu al voldoende reden om te bepalen dat de hele sector nu wordt geruimd (of ze definitief stoppen zoals in NL is nog niet bekend bij ons).

Wordt deze nog geduid door jullie?

Misschien in het vervolg er maar vanuit gaan dat dit politiek gevoelig is en dan meteen met mij schakelen. We kunnen dit soort verrassingen (de Deense situatie) niet helemaal voorkomen maar wel een poging doen om beter voorbereid te zijn.

Groet, [redacted] (5.1.2e)

**Van:** [redacted] (5.1.2e) <[redacted] (5.1.2e) @rivm.nl>  
**Verzonden:** woensdag 4 november 2020 16:01  
**Aan:** [redacted] (5.1.2e) <[redacted] (5.1.2e) @minvws.nl>  
**CC:** [redacted] (5.1.2e) <[redacted] (5.1.2e) @rivm.nl>  
**Onderwerp:** FW: EWRS: New Other information notification added by Denmark

[redacted] (5.1.2e)  
 Op jouw verzoek.

Dit is net binnen en overlapt het bericht van gisteren die jij niet gezien hebt

Groet [redacted] (5.1.2e)

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**Van:** LCI Voorwacht <[redacted] (5.1.2e) @rivm.nl>  
**Datum:** 4 november 2020 om 14:08:53 CET  
**Aan:** [redacted] (5.1.2e) <[redacted] (5.1.2e) @rivm.nl>, [redacted] (5.1.2e) <[redacted] (5.1.2e) @rivm.nl>  
**Onderwerp:** FW: EWRS: New Other information notification added by Denmark

Hoi,

Hieronder is het meer "officiële" EWRS bericht van Denemarken over de nerts en de nerst variant onder mensen naar alle EWRS landen. Het is eigenlijk nagenoeg hetzelfde bericht als wat Denemarken gisteren al had geantwoord op [redacted] (5.1.2e) haar EWRS vraag.

Dear colleagues,  
 Denmark has since June 2020 experienced an extensive spread of SARS-CoV2 outbreaks in minkfarms. As of 3rd November a total of 197 farms are infected. Denmark is currently culling all infected minkfarms and also non-

infected minkfarms in a zone around these.

Statens Serum Institut has so far identified seven unique mink mutations/changes in the spike protein of the SARS-CoV-2 variants in mink, these variants have also been found in humans living in the affected areas. We have tested a variant with four simultaneous changes in the spike protein (Amino acid changes: 69del, Y453F, I692V, M1229I). This variant has been found in five minkfarms and also in humans in the surrounding community. A complete GISAID upload of all Danish Sars-CoV-2 sequences of human origin is planned for the end of week 45.

We have cultured this virus from a human patient and evaluated whether it was sensitive to neutralizing antibodies (antisera) from a collection of sera from convalescent COVID-19 patients. We found that this virus showed less sensitivity (resistance) for neutralizing antibodies from persons with previous COVID-19 infection. These results are preliminary and are in the process of being confirmed in an independent repeat experiment. However, the finding suggests that mink-specific mutations potentially can influence virus' sensitivity to protective antibodies after an infection with a non-mink variant of SARS-CoV-2. This may also pose a threat in terms of effectiveness of spike protein directed COVID-19 vaccines on specific mink variants of SARS-CoV2.

Met vriendelijke groet,

5.1.2e

5.1.2e

Landelijke Coördinatie Infectieziektebestrijding (LCI)  
RIVM- Centrum infectieziektebestrijding

W: [www.lci.rivm.nl](http://www.lci.rivm.nl)

T: 030 5.1.2e

A: Antonie van Leeuwenhoeklaan 9 3721 MA Bilthoven

P: Postbus 1 3720 BA Bilthoven

From: 5.1.2e@ecdc.europa.eu <5.1.2e@ecdc.europa.eu>

Sent: woensdag 4 november 2020 13:10

Subject: EWRS: New Other information notification added by Denmark

## Early Warning and Response System

Dear EWRS user,

A new notification has been created:

|                   |  |
|-------------------|--|
| <b>From</b>       | Denmark                                  |
| <b>Alert Type</b> | Other information                        |
| <b>Category</b>   | Biological origin: Communicable diseases |

To access the notification, please follow the link below

[Access notification](#)

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**Phone**

+46 **5.1.2e**

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