

**To:** (10)(2e) | (10)(2e) @rivm.nl]  
**Cc:** (10)(2e) | (10)(2e) @p-95.com]  
**From:** (10)(2e)  
**Sent:** Wed 10/7/2020 4:27:51 PM  
**Subject:** RE: herd-immunity  
**Received:** Wed 10/7/2020 4:27:57 PM

Dear (10)(2e)

Yes, that is correct: if the vaccine reduces infectiousness this will contribute to herd immunity just as much as if the vaccine protects against infection. This is dealt with in the first VE chapter 12, but perhaps not in the earlier ones. So I'll have a look at the modelling and impact chapters as well, to check.

All the best

(10)(2e)

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**From:** (10)(2e) <(10)(2e)@rivm.nl>  
**Sent:** 07 October 2020 17:19  
**To:** (10)(2e) <(10)(2a)@open.ac.uk>  
**Cc:** (10)(2e) <(10)(2a)@p-95.com>  
**Subject:** herd-immunity

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Dear (10)(2e)

The discussions around future COVID-19 vaccines made me reconsider how we describe herd-immunity. I think we need to distinguish infection and infectiousness – as edited in Box 4.3. Maybe this needs to be reworded a bit better than by just my additions – also elsewhere where we talk about herd-immunity? And maybe also in e.g. chapter 2 on how vaccines work- I'll have a look at that.

Best wishes,

(10)(2e)

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