Subject: How does the covid estimate (incidence) work? **From:** Alan Jenkins <alan.christopher.jenkins@gmail.com>

Date: 17/03/2022, 20:04 **To:** covidteam@joinzoe.com

I'd like to know the full method. But specifically, there are some questions I can't find answers to.

Regarding the current method, described here: https://covid.joinzoe.com/post/future-proofing-our-covid-estimates

In the intermediate step, where ZOE estimates the risk reduction from vaccines:

- 1. Is it estimated separately for 3 doses of vaccine v.s. 2 doses?
- 2. Is it estimated separately in different age groups? If so, what are the age groups? I guess it would be a smaller number of different age groups than before, because you needed to increase the sample size?
- 3. And/or is it estimated over a longer time frame, than the 14 day period it was effectively estimated for in the previous method?

Thanks! Alan

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