

**From:** (b) (6)  
**Sent:** Mon, 9 Mar 2020 13:18:14 -0400  
**To:** Lerner, Andrea (NIH/NIAID) [E]; Auchincloss, Hugh (NIH/NIAID) [E]  
**Subject:** Fwd: Question re: coronavirus infection & pneumococcal vaccination

From patty

Can one of you pls respond. Thx

Sent from my iPhone

Begin forwarded message:

**From:** Manon Cox <(b) (6)>  
**Date:** March 9, 2020 at 1:06:33 PM EDT  
**To:** "Fauci, Anthony (NIH/NIAID) [E]" (b) (6)  
**Subject:** Question re: coronavirus infection & pneumococcal vaccination

Dear Dr. Fauci,

This is Manon Cox, former CEO of Protein Sciences, the developer of Flublok®.

First of all I would like to thank you for your realistic comments around the ongoing coronavirus outbreak. I am glad to see that not everyone is presenting a "Spanish Flu"- like scenario.

I am reaching out to you b/c I am noticing that so many people including professionals (MD's!) appear to be thinking that people with a coronavirus infection are dying from a cytokine storm whereas my understanding is that pneumonia (whether viral or bacterial) is generally the underlying of the lung failure.

My question to you is: Do we know whether people that have previously received a pneumococcal vaccination might be better protected from death after contracting a severe coronavirus infection? i.e., would it be possible that the coronavirus causes tissue damage resulting in a secondary pneumococcal infection?

I know better than anyone (after working over 15 years on Flublok approval) that it is not realistic to expect a coronavirus anytime soon but if we could message that a pneumococcal vaccine could be beneficial in ultimate outcome it would be good for vaccines in general as we do have pneumovax and Prevnar available.

Thank you for your consideration.