

Forecast of the efficacy of the Oxford/AstraZeneca ChAdOx1 nCoV-19 vaccine candidate according to results of Phase II/III testing

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SARS-CoV-2-Vaccine

model type: *crowdSource*

survey date: *6/24/2020*

prediction type: *numeric*

10th percentile: *7.5*

25th percentile: *26.5*

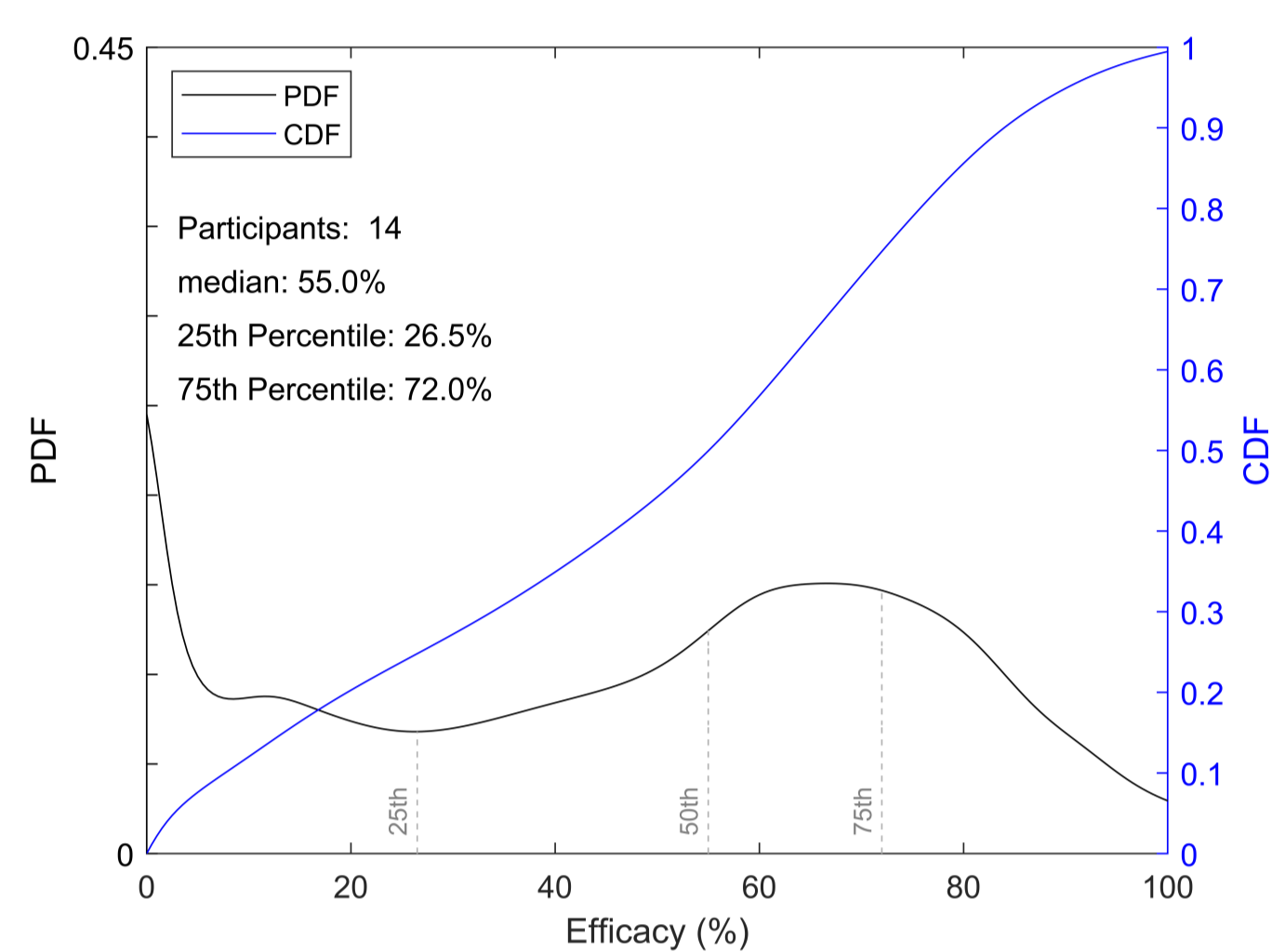
median: *55*

75th percentile: *72*

90th percentile: *84*

range min: *0.001*

range max: *100*



Background:

The Countermeasures Surveys is a six-month long research project intended to generate and aggregate predictions regarding the development of vaccines and therapeutic interventions for SARS-CoV-2 and COVID-19, respectively. We solicit predictions each month from a large team consisting of subject-matter experts as well as top generalist forecasters with established track-records in human-judgment forecasting. The methods used for prediction solicitation and aggregation are discussed in [1].

Question:

What will be the efficacy of the Oxford/AstraZeneca ChAdOx1 nCoV-19 vaccine candidate according to the results of Phase II/III testing?

Resolution:

This question resolves as the median estimate of the absolute vaccine efficacy of ChAdOx1 nCoV-19, $100 \cdot (\text{ARU} - \text{ARV}) / \text{ARU}$, where ARU is the disease attack rate in the unvaccinated group and ARV is the disease attack rate in the vaccinated group. The disease attack rate is the proportion of virologically confirmed (PCR positive) symptomatic cases of COVID-19. Such a finding should be presented in a peer-reviewed research article that is authored and/or supported by Oxford/AstraZeneca. If no median estimate is provided, we will resolve this question on the mean absolute vaccine efficacy.

Summary of Predictions:

Experts assigned a median prediction of 55% (80% CI: 7.5%, 84%) to the efficacy of the Phase I/II trial testing of the Oxford/AstraZeneca ChAdOx1 nCoV-19 vaccine candidate.

References:

- https://outbreak.flashpub.io/pub/outbreak-modeling-method-of-prediction-aggregation_7ad8f40a-dbf2-4e
- <https://github.com/mcandrewlab/vaccineAndTherapeuticsCrowd>



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