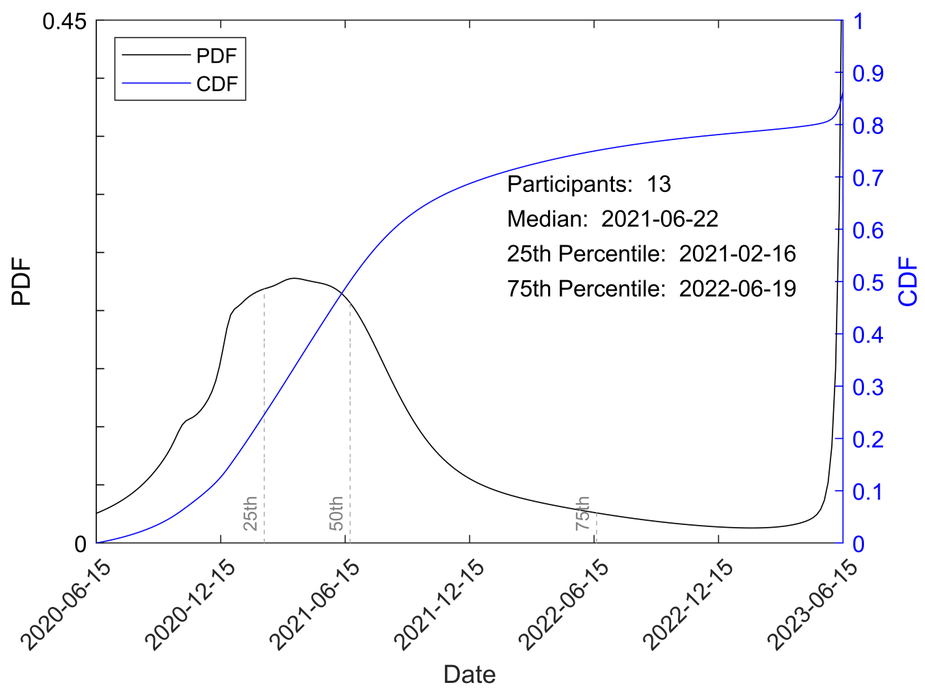
Forecast for a SARS-CoV-2 vaccine being approved in the US or EU

by Dan Sluder, Tamay Besiroglu, Juan Cambeiro, Thomas McAndrew

Jul 05, 2020

SARS-CoV-2-Vaccine

model type: *crowdSource*
survey date: *6/25/2020*
prediction type: *date*
10th percentile: *11/21/2020*
25th percentile: *2/16/2021*
median: *6/22/2021*
75th percentile: *6/18/2022*
90th percentile: *6/15/2023*
range min: *6/15/2020*
range max: *6/14/2023*



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:

When will a SARS-CoV-2 vaccine candidate be approved for use in the United States or European Union?

Resolution:

Resolution will be determined by the date of the first Food and Drug Administration (FDA) press release or European Medicines Agency (EMA) press release on the approval of a SARS-CoV-2 vaccine candidate. U.S. approval is defined as the date a vaccine candidate is licensed by the FDA as stated in a relevant press release. EU approval is defined as the date an EMA-recommended vaccine candidate is granted approval by the EC via marketing authorization as stated in a relevant press release. Approval under any other emergency procedures, such as under a FDA Emergency Use Authorization or EMA emergency procedure authorization, would not count for positive resolution.

Summary of Predictions:

Experts assigned a median of June 2021 (80% CI: November 2020, June 2023 or later) to when a SARS-CoV-2 vaccine candidate be approved for use in the United States or European Union. Experts Assign a probability of 14% to this occuring after June 15th, 2023.

References:

1) https://outbreak.flashpub.io/pub/outbreak-modeling-method-of-prediction-aggregation_7ad8f40a-dbf2-4e
2) https://github.com/mcandrewlab/vaccinceAndTherapeuticsCrowd