

We would like to thank all volunteers who took part in the study.

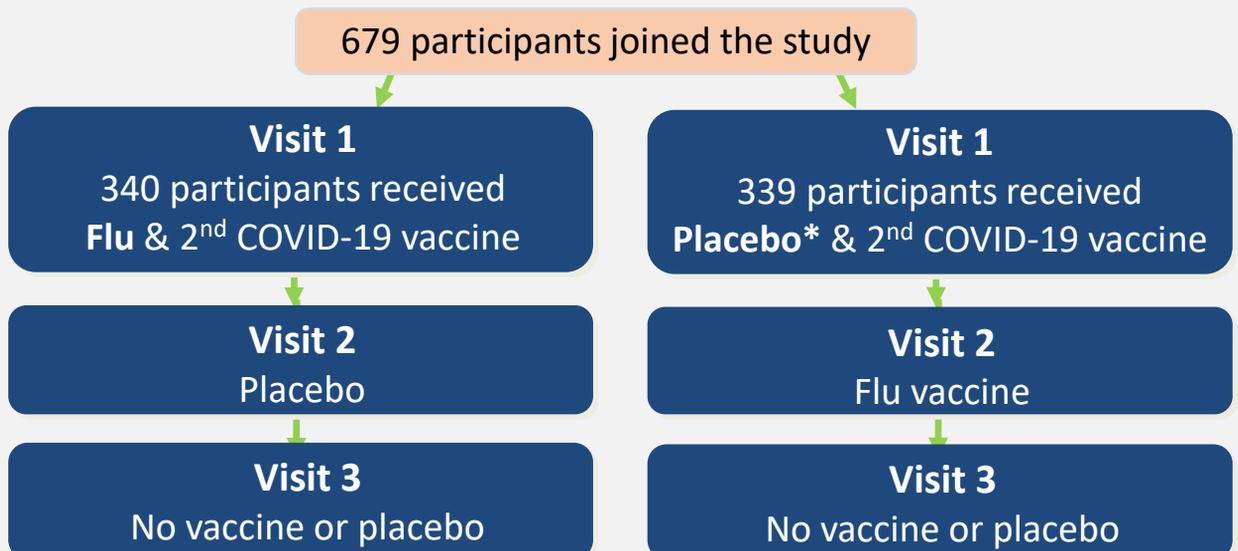
Study Aims

Vaccines against COVID-19 have saved many lives, but further booster doses will be needed to give continued protection. With the challenges of immunising large numbers of people against COVID-19 and the need to continue the seasonal influenza (flu) vaccination schedule, it would be preferable for COVID-19 and flu vaccines to be given together at the same appointment.

The aim of the study was to see what side effects, such as fever and tiredness, people get when they are given their second dose of the COVID-19 vaccine at the same time as the currently recommended flu vaccines. We also looked at people's immune responses to both vaccines when given together.

Study Design

- ★ Participants were randomly allocated into one of two groups to make sure it was a fair comparison.
- ★ Participants attended 3 study visits, each 3-4 weeks apart.



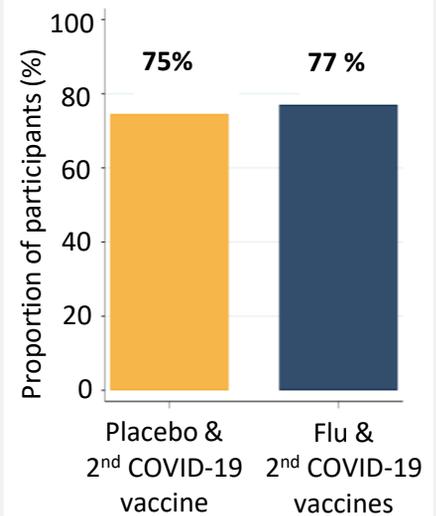
**Placebo: a salt and water solution*

- ★ Participants completed electronic diaries to report injection site reactions and general side effects following visits 1 and 2.
- ★ Blood and saliva samples were collected from participants at visits 1, 2 and 3 to measure immune responses.

Results

- ★ The two groups were made up of people with similar characteristics (e.g., age range, number of men and women).
- ★ The most common side effects in both groups were pain at the vaccination site and tiredness. These were mainly mild or moderate.
- ★ More people experienced side effects when the two vaccines were given together than when the two vaccines were given separately, but the difference between the groups was small and considered acceptable (see chart).
- ★ Giving the flu and COVID-19 vaccines together did not affect the immune responses to either vaccine.
- ★ Most participants (97%) were willing to receive two vaccines on the same day in the future.
- ★ Very few participants in work (3%) took time off work due to vaccine side effects. The numbers were similar in both groups.

Chart showing proportion of participants who experienced a generalised reaction after visit 1 (e.g. tiredness, headache)



Impact

- ★ **The ComFluCOV study has shown that there are no safety concerns when COVID-19 and flu vaccines are given at the same time.**
- ★ The side effects of giving both vaccines together were generally well tolerated and acceptable.
- ★ The immune responses show that the vaccines continue to provide protection against flu and COVID-19 when they are given together.
- ★ The results of this study have informed the COVID-19 booster and seasonal flu vaccination programme in the UK for 2021/22.
- ★ Published results: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3931758

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