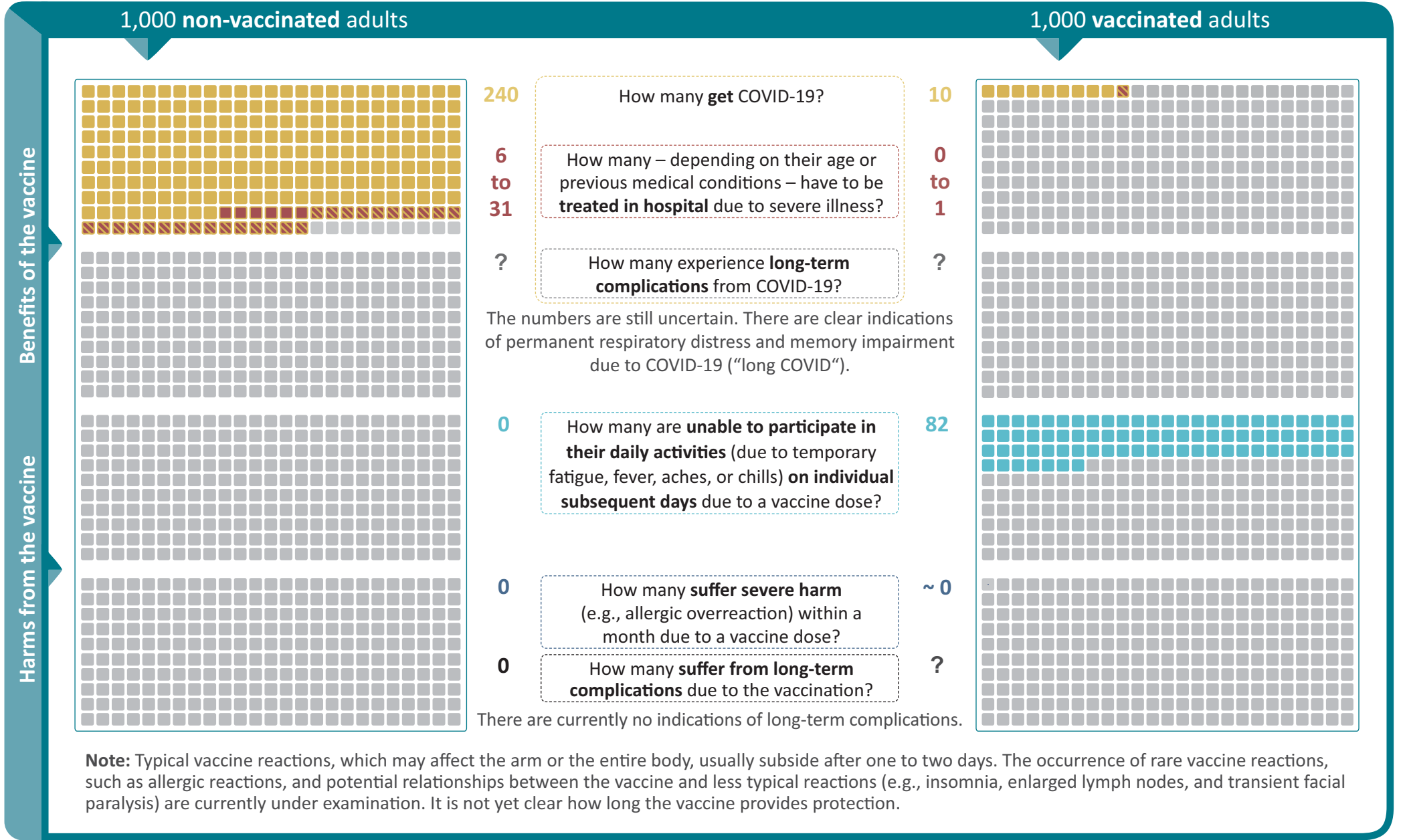


# Fact box: How safe and effective are COVID-19 mRNA vaccines for adults under the age of 60?

This fact box compares adults under the age of 60 years who have not been vaccinated against COVID-19 (left side) with vaccinated adults (right side). It is assumed that 240 out of 1,000 unvaccinated people will get sick. This is comparable to your risk of getting sick if you have close contact with someone who is infected.



**Note:** Typical vaccine reactions, which may affect the arm or the entire body, usually subside after one to two days. The occurrence of rare vaccine reactions, such as allergic reactions, and potential relationships between the vaccine and less typical reactions (e.g., insomnia, enlarged lymph nodes, and transient facial paralysis) are currently under examination. It is not yet clear how long the vaccine provides protection.

Sources for the vaccines Comirnaty (manufacturer BioNTech/Pfizer) and Moderna (manufacturer Moderna): Baden 2020. NEJM; BioNTech & Pfizer 2020. www.comirnatyeducation.de; CDC 2021. MMWR; EMA 2020. www.ema.europa.eu; FDA 2020. FDA Briefing Document; Polack 2020. NEJM; RKI 2020. reporting data; STIKO 2021. Epidemiological Bulletin.

Last update: 14 April 2021 | To view the studies, uncertainties, and the latest version please visit www.hardingcenter.de/en/fact-boxes Harding Centre for Risk Literacy (Faculty of Health Sciences Brandenburg, University of Potsdam)