

# Pfizer to test third dose, tweaked vaccine to target S.African strain

February 25 2021

---



Concerns have risen that more transmissible coronavirus variants such as the one first detected in South Africa or another in Britain are more resistant to existing vaccines such as the one developed by Pfizer-BioNTech

Pfizer and BioNTech said Thursday they are studying adding a third dose to their vaccine regime and testing a new version targeting the

South African variant of the coronavirus.

As countries around the world rush to vaccinate people, concerns have risen that more transmissible variants such as the one first detected in South Africa or another in Britain are more resistant to existing vaccines.

In one study, the US and German pharmaceutical firms said they would look at what happens when people are given a third dose of their two-shot vaccine, six to 12 months after the booster.

They said in a statement they are also talking to regulators about testing a modified version of their original vaccine to address the South African variant known as B.1.351.

"We are taking multiple steps to act decisively and be ready in case a strain becomes resistant to the protection afforded by the vaccine," Dr. Albert Bourla, Pfizer's CEO, said in a statement.

The South African variant is considered among the more dangerous of current mutations because it evades some of the blocking action of antibodies that target the older coronavirus strain.

That means people who were infected with the classic strain are more susceptible to reinfection, and research has also shown the variant has partly reduced the protection of the current generation of vaccines.

Moderna, the other company whose vaccine has been approved for emergency use in America, said Wednesday that doses of its new Covid-19 [vaccine](#) candidate aimed at the South African coronavirus variant had been shipped to the US National Institutes of Health for testing.

Citation: Pfizer to test third dose, tweaked vaccine to target S.African strain (2021, February 25)  
retrieved 7 May 2024 from

<https://medicalxpress.com/news/2021-02-pfizer-dose-tweaked-vaccine-safrican.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.