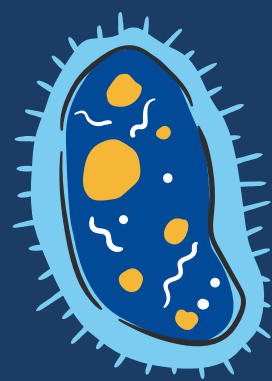


# COVID-19: NEW STRAINS



Summary on the latest variants

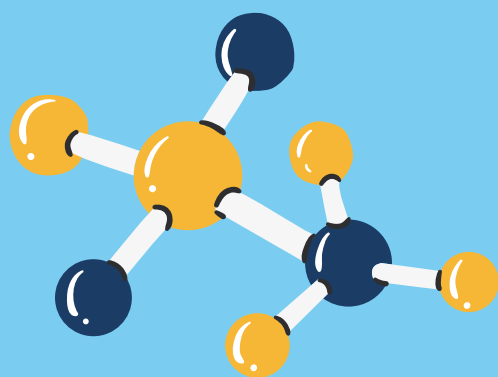
## Q: WHAT ARE THE NEW COVID-19 STRAINS?

There are three new strains of COVID-19 currently: one from the UK, South Africa, and Brazil.

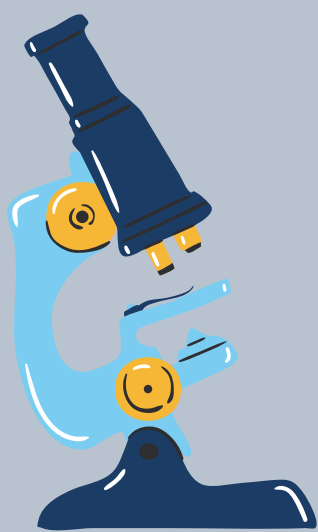
UK: detected in California and 33 other states.

South Africa: found in Maryland, Virginia, and South Carolina.

Brazil: found in Minnesota and Oklahoma.



## Q: ARE THE NEW STRAINS MORE CONTAGIOUS/DANGEROUS?



How disease caused by the new variants differs from the other variants is still unknown.

UK: known to spread more easily and quickly and may be associated with an increased risk of death, but research is still ongoing.

Brazil/South Africa: may be more resistant to antibodies.

## Q: ARE THE PFIZER/MODERNA VACCINES EFFECTIVE AGAINST THE NEW STRAINS?

UK: no significant impact on vaccine efficacy.

South Africa: Pfizer and Moderna vaccines may be less effective, although they may still prevent severe disease.

Brazil: Some of the mutations may affect the ability of antibodies (from natural infection or vaccination) to recognize and neutralize the virus.

