



The Medical **Bulletin**

In Infection

Fear of Forth wave exists but booster will protect you

- Recently Delhi, Haryana, Kerala, Maharashtra and have shown a rising trend in COVID cases. It has led to a bit panic in mind of physicians and public
- Although new Recombinant variants BA1 BA2 mixtures in different proportion XE XL XH XJ mostly behave like BA2.
- It has been found more transmissible but virulence unknown.
- Good news is, antibodies recognize new SARS-CoV-2 Omicron variant after booster (NIH's National Cancer Institute (NCI). Results were published on March 16, 2022, in the New England Journal of Medicine.)
- Studies have shown that vaccines developed earlier in the pandemic produce an immune response that can recognize and block Omicron after a booster shot
- As with new NIH study, the Omicron variant BA.1, the number of neutralizing antibodies in the blood after initial vaccination that could recognize BA.2 was more than 20 times lower than those that could identify the original virus.
- A booster dose prompts the body to makes antibodies capable of neutralizing a range of SARS-CoV-2 variants.
- Thus, the quick spread of this new subvariant, called BA.2, is likely due to its greater infectiousness rather than its ability to evade the immune system.

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