

**GOVERNMENT OF INDIA  
MINISTRY OF HEALTH AND FAMILY WELFARE  
DEPARTMENT OF HEALTH AND FAMILY WELFARE**

**LOK SABHA  
UNSTARRED QUESTION NO. 2174  
TO BE ANSWERED ON 29.07.2022**

**COVID INFECTED PEOPLE AFTER TAKING BOOSTER DOSE**

† **2174. SHRIMATI MALA ROY:**

Will the **Minister of HEALTH & FAMILY WELFARE** be pleased to state:

the number of persons infected with COVID even after taking both the doses and also booster dose of the vaccine, State/UT-wise and specifically, vaccine-wise?

**ANSWER**

**THE MINISTER OF STATE IN THE MINISTRY OF HEALTH & FAMILY WELFARE  
(DR. BHARATI PRAVIN PAWAR)**

As per emerging evidence, immunity acquired from natural COVID-19 infection or vaccines is not absolute and reinfections following natural COVID-19 infections as well as vaccine breakthrough infections are not uncommon.

As per a study, involving 1112 vaccinated individuals (with at least one dose of either Covaxin or Covishield) by Arora G. et. al published in the Journal of Medical Virology in March 2022, breakthrough infections were observed in 7.91% of the sample population.

Out of 88 post-vaccination SARS- CoV- 2 breakthrough infections, 90.91% were symptomatic cases and the remaining 9.09% were asymptomatic. Among symptomatic breakthrough infection 31.25%, 43.75%, and 25.0% were mild, moderate, and severe infection, respectively.

According to World Health Organization, a vast majority of infections are observed in unvaccinated populations, and if breakthrough infections occur in vaccinated persons, they are in most cases less severe than those seen in unvaccinated persons.

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