

INSACOG BULLETIN

July 4, 2022

The INSACOG reports genomic surveillance of SARS-CoV-2 across the country through sequencing of samples from Sentinel sites and International passengers arriving in India. A summary of the cumulative data of INSACOG and other state sequencing initiatives can be found at the INSACOG data portal link along with other INSACOG information at <https://research.nibmg.ac.in/insacog/>

INSACOG:

- Total number of samples sequenced is 226,405
- Total number of sequences analyzed 225,445

Samples sequenced by IGSLs under State government MoUs: 34,763

Total number of samples sequenced: 261,168

The number of samples with pangolin lineage assigned are given below:

Table 1: Cumulative samples with pangolin lineage assigned (as on 01.07. 2022)				
Community sample	Travelers sample	Total pangolin lineage assigned	Total VOC/VOI	Proportion
153001	12285	165286	13872	80.4

Distribution of VOC & B.1.617.1 and B.1.617.3 (as on 01.07.2022)																								
Alpha Variant			Beta Variant			Gamma Variant			Delta Variant			B.1.617.1 and B.1.617.3			AY Series			Omicron			XE	XM	XJ	Total VOC/VOI
Tr&Co	Com	Total	Tr&Co	Com	Total	Tr&Co	Com	Total	Tr&Co	Com	Total	Tr&Co	Com	Total	Tr&Co	Com	Total	Tr&Co	Com	Total	Variant	Variant	Variant	
577	3690	4267	117	104	221	1	2	3	387	43566	43953	84	5540	5624	227	20235	20462	5895	52119	58337	1	2	2	132872
Tr&Co= Travelers and contacts ; Com= Community samples																								

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Global Scenario

Globally, the number of weekly cases has increased for the third consecutive week, after a declining trend since the last peak in March 2022. During last week, there was an 18% increase in total as compared to the previous week. The Omicron VOC remains the dominant variant circulating globally. Comparing the proportion of Omicron sequences submitted during the last two epidemiological weeks, BA.2 and BA.2.12.1 declined, while BA.4 and BA.5 increased in significant numbers.

Indian Scenario

The SARS-CoV-2 infection has increased over the last few weeks in India, the Omicron sub-variants BA.2 (64.9%) and BA.2.38 (26.4%) being the prevalent sub-lineages. A small increase in patients infected with the BA.5 variant has also been observed. However, there is no report of any increased hospitalization or any report of increased disease severity. COVID appropriate behavior is likely to be followed to reduce any new spread of infection.

Month wise lineage distribution

As on: 01-07-2022

