

# INSACOG BULLETIN

July 18, 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 233,948
- Total number of sequences analyzed 232,498

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

**Total number of samples sequenced: 268,711**

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

Table 1: Cumulative samples with pangolin lineage assigned (as on 15.07. 2022)				
Community sample	Travelers sample	Total pangolin lineage assigned	Total VOC/VOI	Proportion
159344	12285	171629	138405	80.6

Cumulative Distribution of VOC and B.1.617.1 & B.1.617.3 ( AS ON 15-07-2022)																								
Alpha Variant			Beta Variant			Gamma Variant			Delta Variant			B.1.617.1 and B.1.617.3			AY Series			Omicron			XE	XM	XI	Total VOC/VO
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	43569	43956	84	5540	5624	227	20236	20463	5895	57648	63866	1	2	2	
Tr&Co= Travelers and contacts ; Com= Community samples																								

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## Global Scenario

Globally, the number of weekly cases has increased for the fifth consecutive week, after a declining trend since the last peak in March 2022. During this week, a 6% increase in infection has been reported as compared to the previous week. The Omicron VOC remains the dominant variant circulating globally. Globally, the Omicron lineages BA.2 and BA.2.12.1 show declining trends, while BA.4 and BA.5 show increasing trends. Over the last couple of weeks, the proportion of reported sequences of BA.4 has risen from 11% to 14% and BA.5 from 42% to 50%. BA.5 sequences have been reported from 89 countries.

## Indian Scenario

Rise in infection has been observed in certain regions of India over the last week. BA.2, BA.2.38 continue to be the dominant sub-lineages in India. Small increase in BA.5 and BA.2.76 infected individuals has also been observed. However, so far this has not led to any increase in hospitalization or any report of increase in disease severity. INSACOG is closely monitoring the situation.

Month wise lineage distribution

As on: 15-07-2022

