









INSACOG BULLETIN

June 06, 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 218,003
- Total number of sequences analyzed 216,751

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

Total number of samples sequenced: 252,766

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

	Table 1: Cui	Table 1: Cumulative samples with pangolin lineage assigned (as on 02.05.2022)												
Community sample		Travelers sample	Total pangolin lineage assigned	Total VOC/VOI	Proportion									
	146404	12285	158689	126791	79.9									

	Distribution of VOC & B.1.617.1 and B.1.617.3 (02.06.2022)																							
Alpha Variant		nt	Beta Varian		ant	Gamma Variant		riant	Delta Variant		B.1.617.1 and B.1.617.3			AY Series			Omicron			XM	VI Variant	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	V) Aquant	iotal voc/voi
577	3690	4267	117	103	220	1	2	3	387	43563	43950	84	5537	5621	227	20229	20456	5895	46375	52270	1	1	2	126791
Tr&Co=Tra	TriBCo=Travelers and contacts; Com=Commum ity samples																							











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Global Scenario

Globally, the number of new weekly cases has continued the declining trend observed since a peak in January 2022.

The Omicron VOC is the dominant variant circulating globally. Among the Omicron sub lineages, BA.2 is the dominant one. The BA.1 sub lineage has also declined in prevalence. Three Omicron sub lineages: BA.2.12.1, BA.4 and BA.5 have shown an increasing trend among Omicron sequences submitted in the last 30 days. During the same period, the prevalence of BA.3 has declined.

Indian Scenario

BA.2 continues to be the dominant lineage in India. So far there is no indication of any surge after detection of BA.4 and BA.5.

