











May 30, 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 216,558
- Total number of sequences analyzed 215,518

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

Total number of samples sequenced: 251,321

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

	Table 1: Cui	Table 1: Cumulative samples with pangolin lineage assigned (as on 30.05.2022)											
,		Travelers sample	Total pangolin lineage assigned	Total VOC/VOI	Proportion								
	145654	12283	157937	126055	79.8								

	Distribution of VOC & B.1.617.1 and B.1.617.3 (as on 30-05-2022)																								
Al	Alpha Variant			Beta Variant		Gamma Variant		Delta Variant		B.1.617.1 and B.1.617.3				AY Series		Omicron		XE Variant	XM Variant	XJ Variant	Total VOC/VOI				
Tr&Co	Com	Tot	al 1	Tr&Co	Com	Total	Tr&Co	Com	Total	Tr&Co	Com	Total	Tr&Co	Com	Total	Tr&Co	Com	Total	Tr&Co	Com	Total				
577	3690	42	67	117	103	220	1	2	3	387	43563	43950	84	5537	5621	227	20229	20456	5893	45641	51534	1	1	2	126055
Tr&Co=	Travelers	and o	onta	icts ; Cor	n= Com	mumity	samples											,	<u>'</u>						











INSACOG BULLETIN

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. Studies are ongoing to further elucidate the characteristics of Omicron lineages that appear to show a growth advantage as compared to BA.1 and BA.2. With currently available data, BA.4, BA.5 and BA.2.12.1 appear to be spreading faster in countries with substantial prior waves of cases due to BA.1; while countries that experienced more substantial BA.2 waves appear to have fewer cases due to BA.4, BA.5 and BA.2.12.1 at this stage.

Indian Scenario

BA.2 continues to be the dominant lineage in India. Till now, 5 cases of BA.4 and 3 cases of BA.5 were reported in India. However, no surge is detected yet. INSACOG is closely monitoring the situation.

