

# INSACOG BULLETIN

28 November, 2022

The INSACOG reports genomic surveillance of SARS-CoV-2 by whole genome sequencing of samples from sentinel sites across the country and international passengers arriving in India. A summary of the cumulative data of INSACOG and other state sequencing initiatives can be found in the INSACOG data portal along with other INSACOG related information at <https://ibdc.rcb.res.in/>

## INSACOG:

- Total number of samples sequenced is 268,232

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

**Total number of samples sequenced: 302,995**

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

Table 1: Cumulative samples with pangolin lineage assigned (as on 25.11.2022)

Community sample	Travelers sample	Total pangolin lineage assigned	Total VOC/VOI	Percentage
184081	12285	196366	161773	82.4

Distribution of VOC and B.1.617.1 & B.1.617.3 (as on 25-11-2022)

Alpha Variant			Beta Variant			Gamma Variant			Delta Variant			B.1.617.1 and B.1.617.3			AY Series			Omicron <sup>a</sup>			Recombinant														XE	XM	XT	XU	XI	Total
Tr&Co	Com	Total	Tr&Co	Com	Total	Tr&Co	Com	Total	Tr&Co	Com	Total	Tr&Co	Com	Total	Tr&Co	Com <sup>a</sup>	Total	XAR	XAH	XBB	XBB.1	XBB.1.1	XBB.2	XBB.3	XBB.3.1	XBB.4	XBB.5	XBD	OTHERS	Total	Variant	Variant	Variant	Variant	Variant	VOC/VOI				
577	3690	4267	117	105	222	1	2	3	387	43575	43962	84	5540	5624	227	20248	20475	5952	80135	86410	2	1	307	83	2	118	241	5	2	16	6	16	799	1	2	0	6	2	161773	
Tr&Co=Travelers and contacts ; Com=Community samples																																								

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## Global Scenario

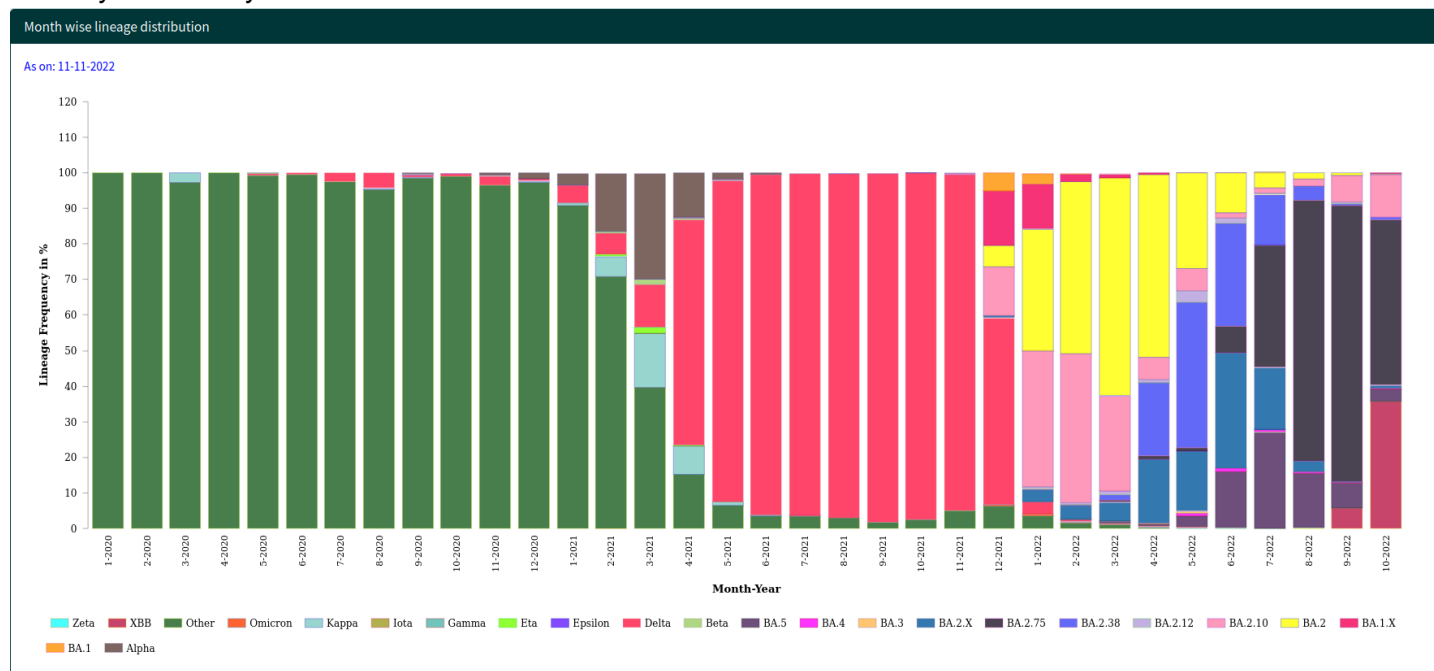
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Globally, the number of new weekly cases decreased by 15% during last week as compared to the previous week, with over 2.1 million new cases reported. The number of new weekly deaths decreased by 10% as compared to the previous week<sup>[1]</sup>. Based on sequence submission to GISAID, BA.5 and its descendent lineages continue to be dominant globally (accounting for 74.5%). BQ.1 and BA.5 + R346X continue to show an upward trend.

## Indian Scenario

Omicron and its sub-lineages continue to be the dominant variant in India. BA.2.75 at 46.5% and XBB and its sub-lineages at 35.8% continue to be the most commonly circulating Omicron sublineage.. INSACOG is closely monitoring the situation with respect to XBB and XBB.1.

## Country wide analysis:



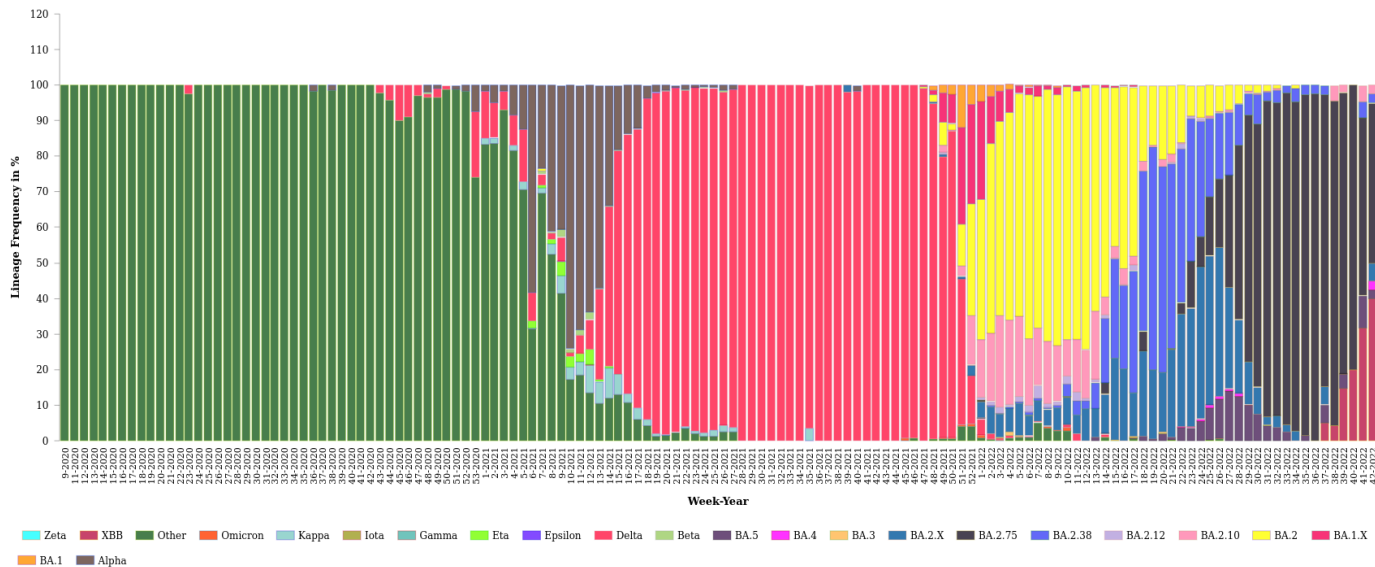
\*BA.5 in the graph includes its sub-lineages also.

## Region-wise analysis:

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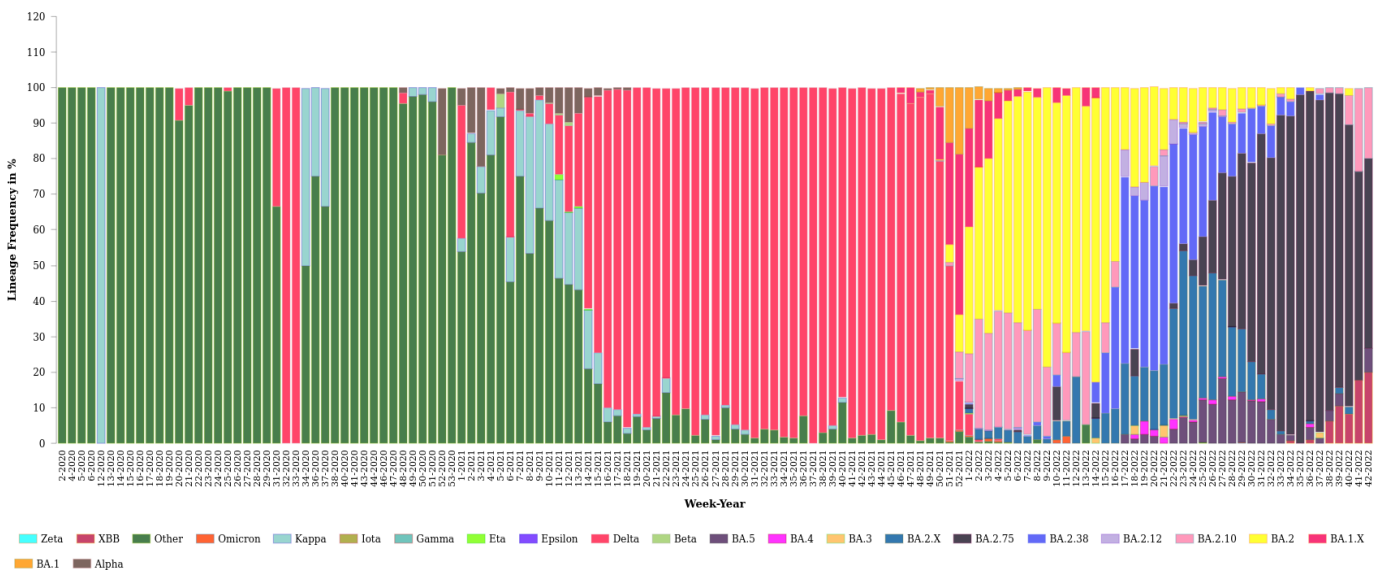
## North India - Week wise lineage distribution

As on: 11-11-2022



## West India - Week wise lineage distribution

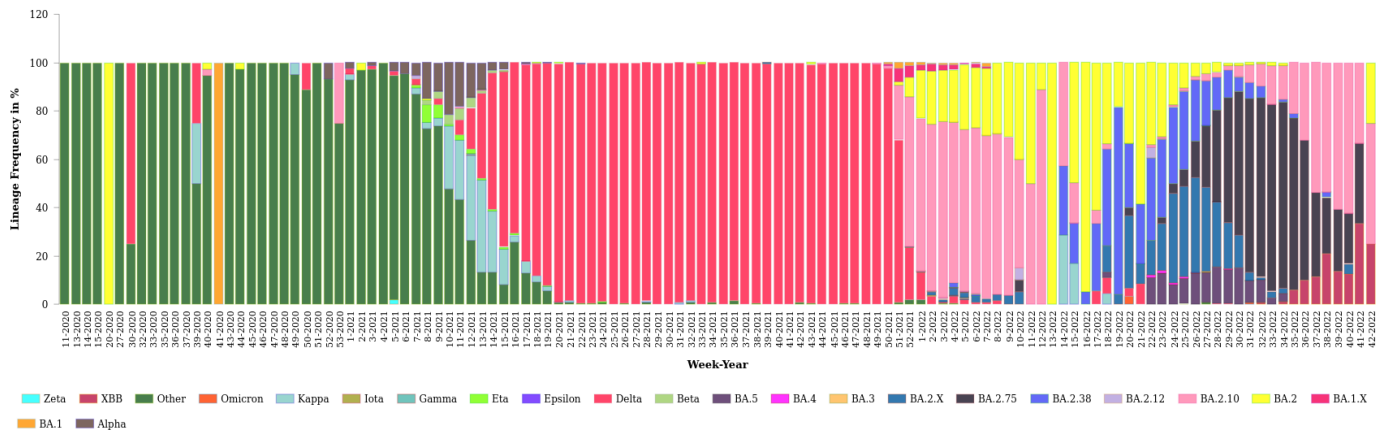
As on: 11-11-2022



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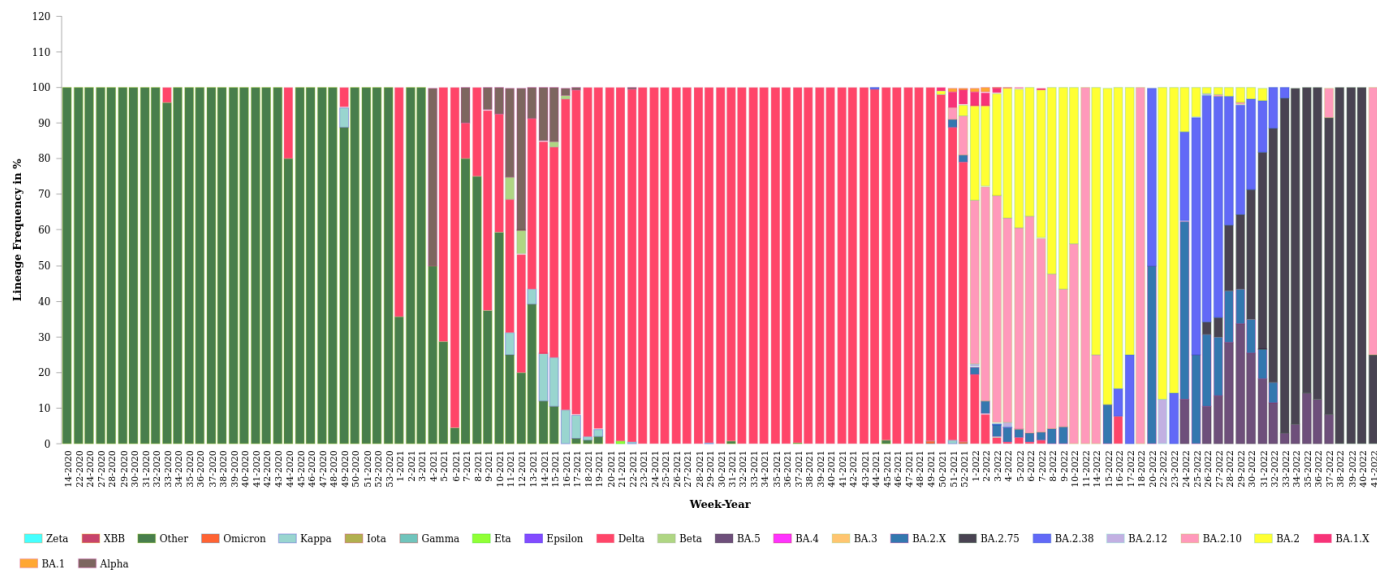
## East India - Week wise lineage distribution

As on: 11-11-2022



## NorthEast India - Week wise lineage distribution

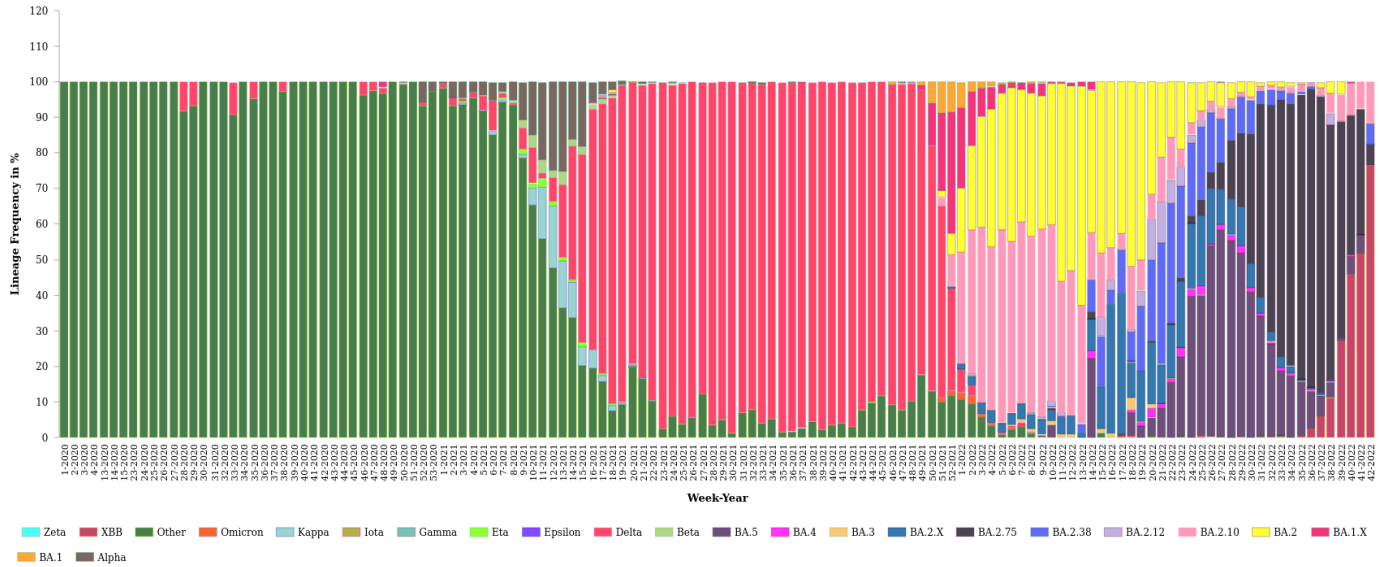
As on: 11-11-2022



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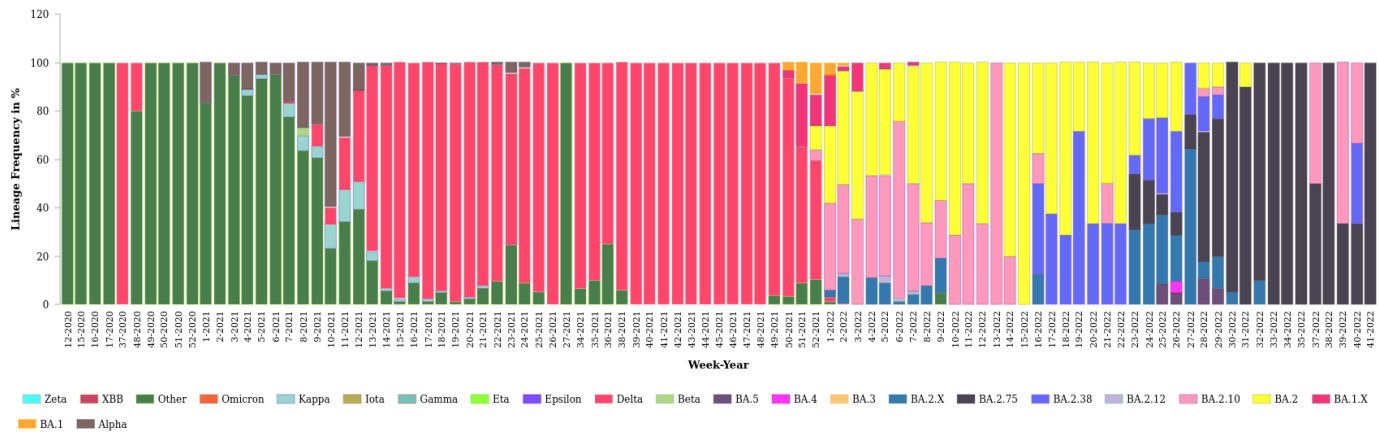
## South India - Week wise lineage distribution

As on: 11-11-2022



## Central India - Week wise lineage distribution

As on: 11-11-2022



## Reference:

1. WHO weekly epidemiological report.