

INSACOG BULLETIN

12 September, 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 252,097

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

Total number of samples sequenced: 286,860

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

Table 1: Cumulative samples with pangolin lineage assigned (as on 09.09.2022)				
Community sample	Travelers sample	Total pangolin lineage assigned	Total VOC/VOI	Percentage
174183	12285	186468	152327	81.7

Distribution of VOC and B.1.617.1 & B.1.617.3 (as on 09-09-2022)

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	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				
577	3690	4267	117	105	222	1	2	3	387	43571	43958	84	5540	5624	227	20236	20463	5895	71855	78073	1	2	2	152615

Tr&Co=Travelers and contacts ; Com=Community samples

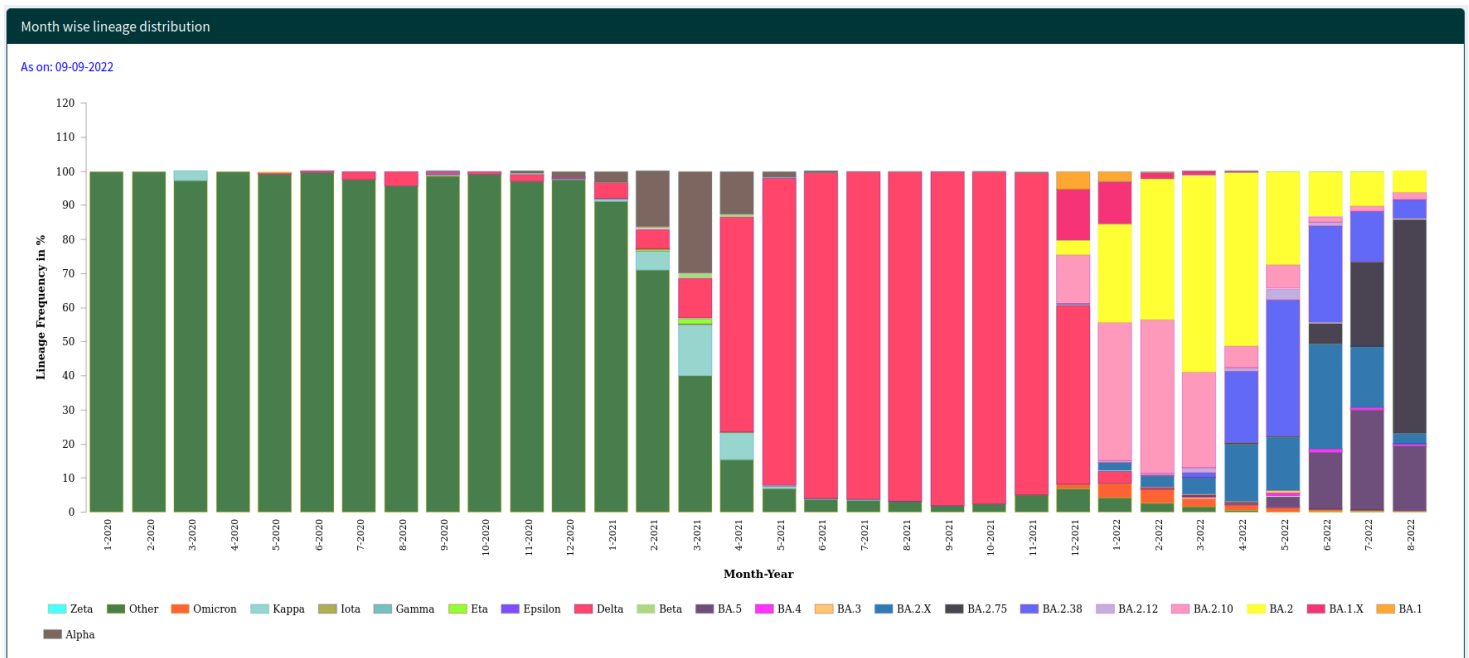
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Global Scenario

Globally, the number of new weekly cases decreased by 12% during the last week as compared to the previous week. The number of new weekly deaths decreased by 5%, as compared to the previous week. The Omicron is the most abundant variant of concern (VOC) circulating worldwide, accounting for 99.4% of sequences reported globally. BA.5 Omicron descendent lineages continue to be dominant globally, with an increase in weekly prevalence from 84.8% to 86.8%. The prevalence of BA.4 descendent lineages including BA.4.6 decreased during last week. The prevalence of BA.2 descendent lineages (BA.2.X) remained constant last week. BA.2.75, an Omicron descendent lineage under monitoring, still shows a relatively low prevalence globally, however, a number of countries have observed recent increasing trends.

Indian Scenario

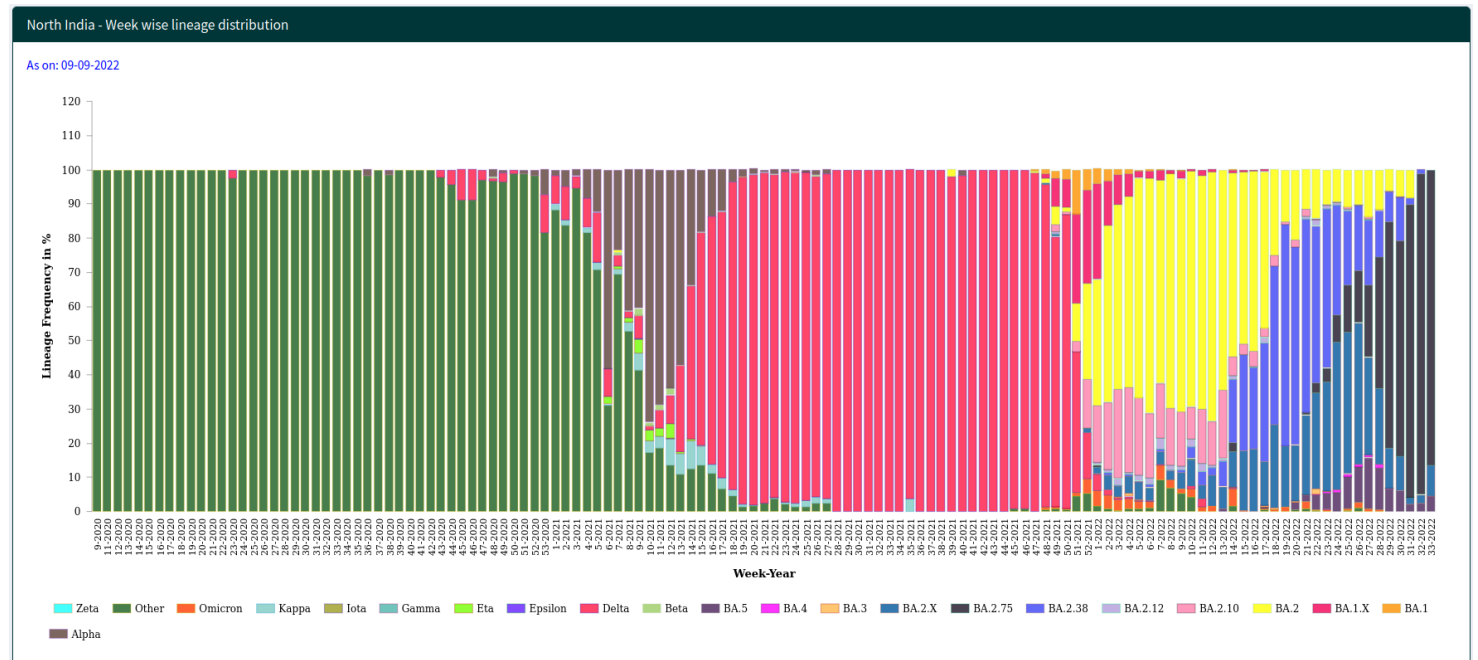
Omicron and its sub-lineages continue to be the dominant variant in India. BA.2 and its descendent lineages, in particular, BA.2.75 has been mostly found over the last week in different parts of India. The incidence of BA.5 has decreased in the last few weeks. Any surge in hospitalization or any disease severity has not been observed during this time-period.



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

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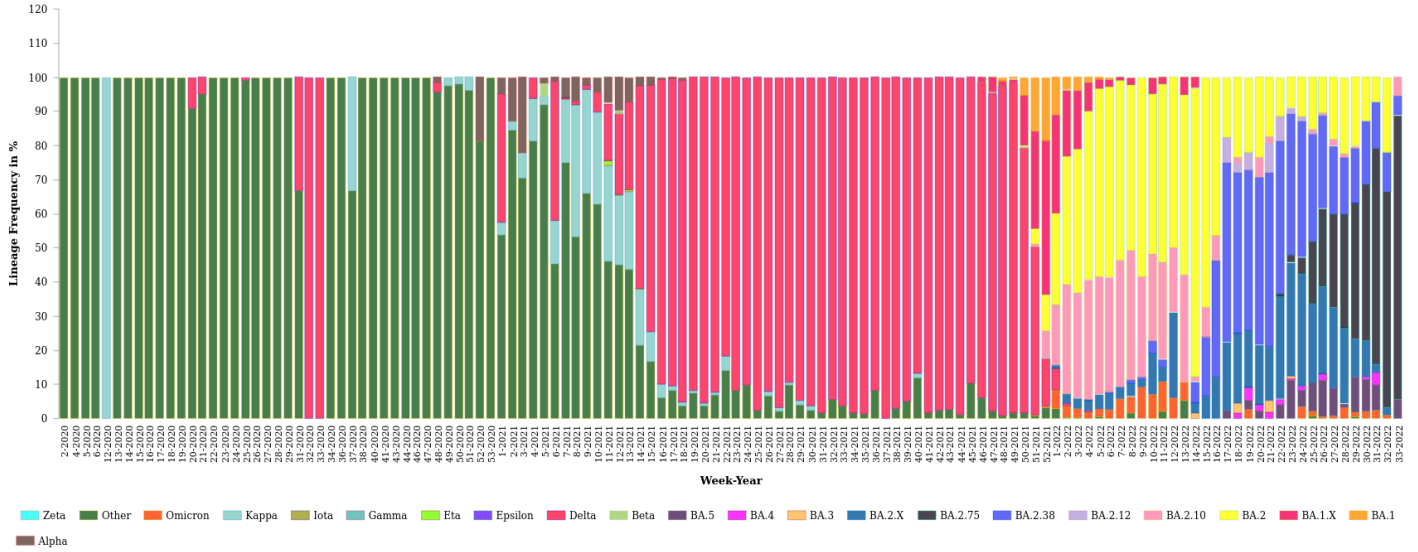
The region-wise analysis is depicted below:



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West India - Week wise lineage distribution

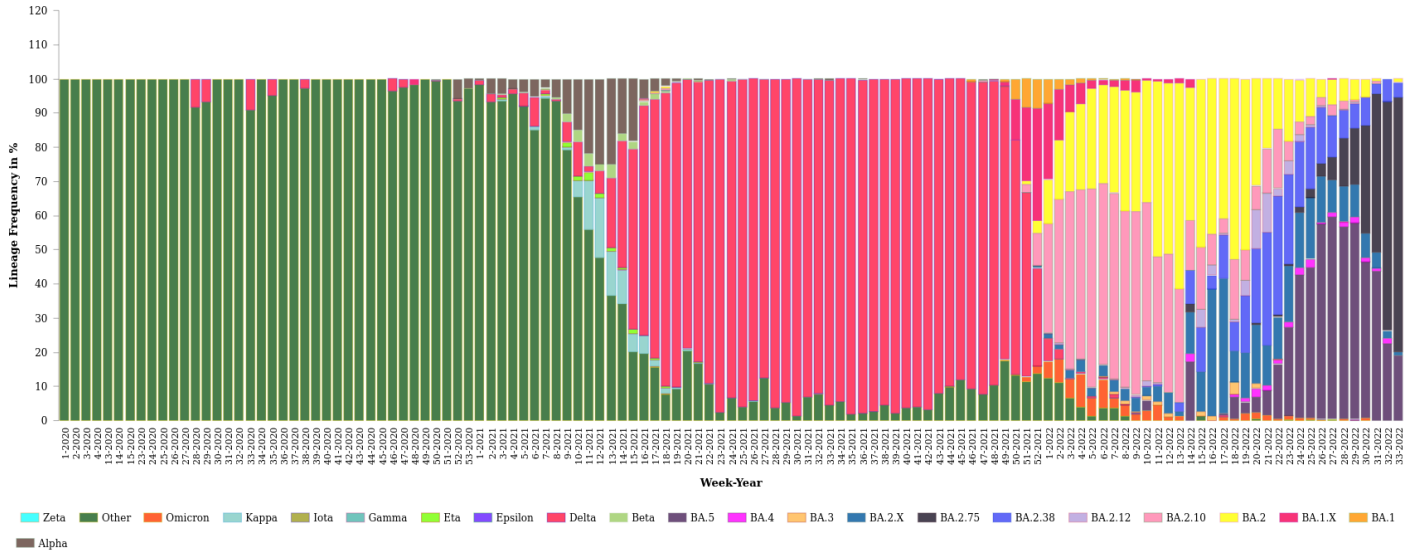
As on: 09-09-2022



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

South India - Week wise lineage distribution

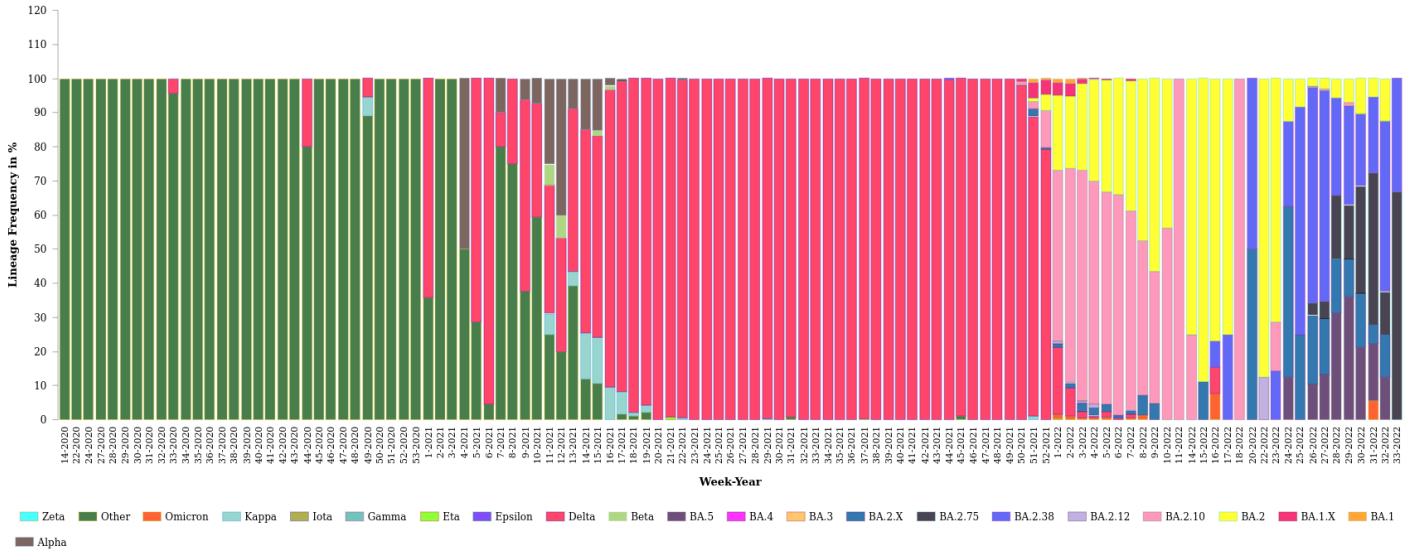
As on: 09-09-2022



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NorthEast India - Week wise lineage distribution

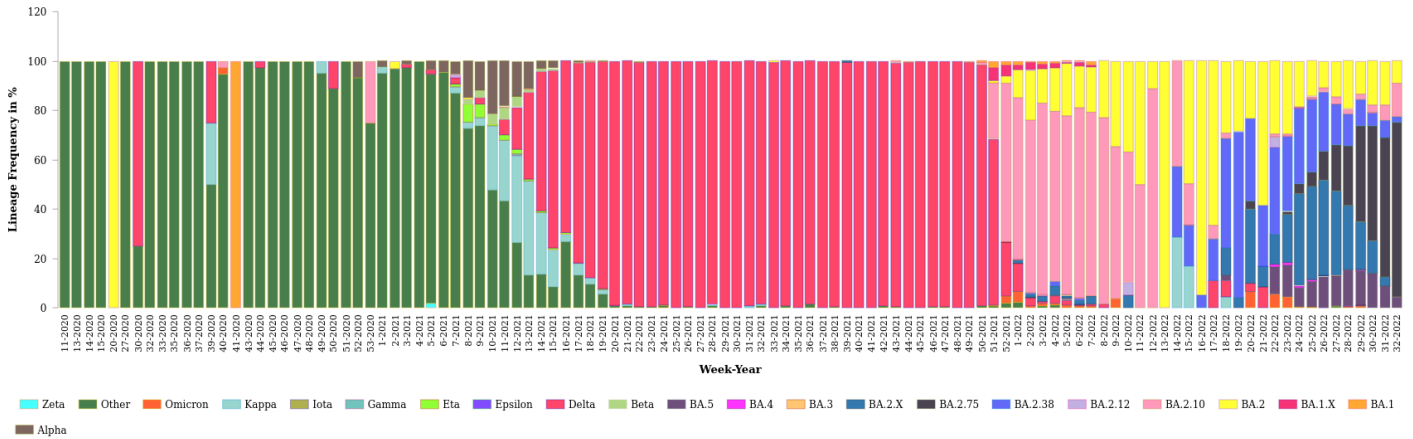
As on: 09-09-2022



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

East India - Week wise lineage distribution

As on: 09-09-2022



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