

INSACOG BULLETIN

August 29, 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 246,478

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

Total number of samples sequenced: 281,241

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

Table 1: Cumulative samples with pangolin lineage assigned (as on 26.08. 2022)				
Community sample	Travelers sample	Total pangolin lineage assigned	Total VOC/VOI	Percentage
173001	12285	185286	151221	81.6

Distribution of VoC and B.1.617.1 & B.1.617.3 (as on 26-08-2022)

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	Variant	Variant		
577	3690	4267	117	104	221	1	2	3	387	43571	43958	84	5540	5624	227	20236	20463	5895	70452	76670	1	2	2	151211

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

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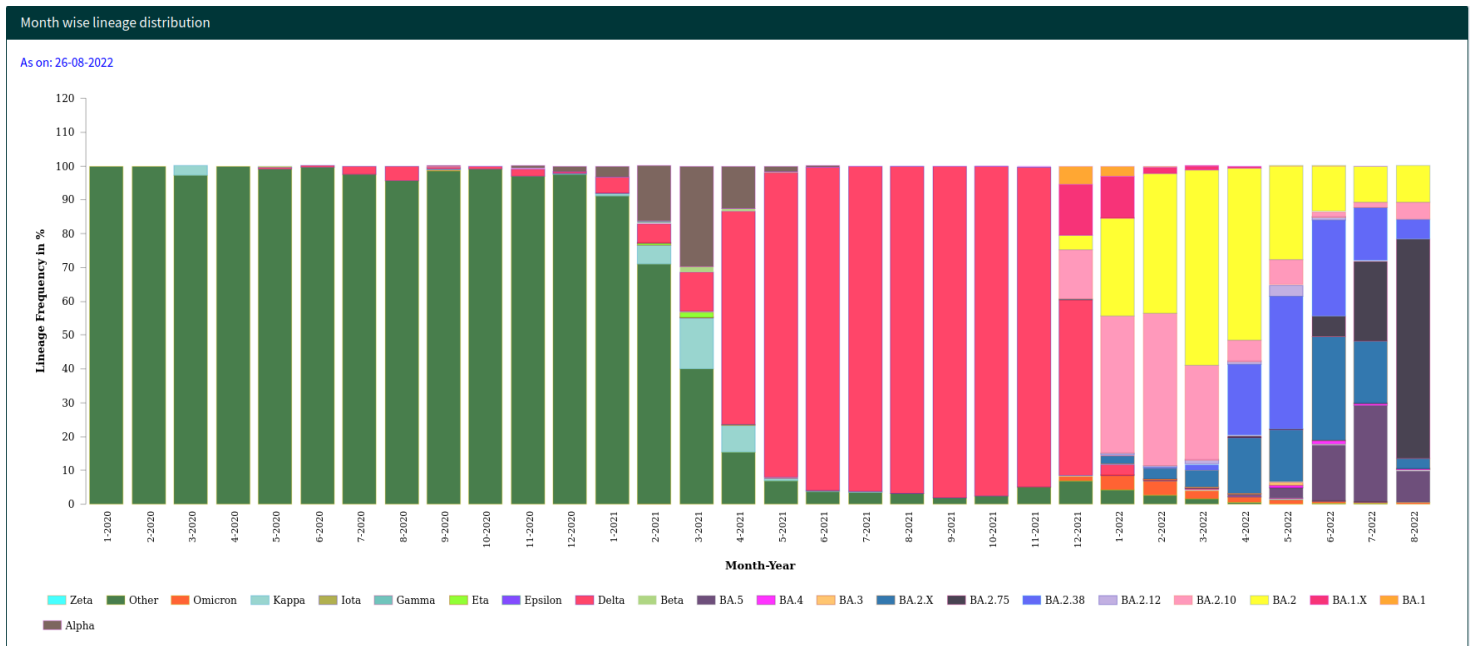
Global Scenario

Globally, the number of new weekly cases decreased by 9% during last week as compared to the previous week. The number of new weekly deaths decreased by 15%, as compared to the previous week. The Omicron variant of concern (VoC) remains the dominant variant circulating globally.

BA.5 and its sub lineages continue to be dominant globally, with an increase in weekly prevalence from 71% to 74%. There is increasing diversity within these sublineages, with additional mutations in the spike and non-spike regions and a rise in prevalence among some lineages. Notably, BA.5.1, BA.5.2 are rising in prevalence, while BA.5.2.1 remained stable. However, the prevalence of BA.2 descendent lineages (BA.2.X) and BA.4 descendent lineages (BA.4.X) has been on a continuous decline for several weeks.

Indian Scenario

Omicron and its sub-lineages continue to be the dominant variant in India. In particular, BA.2.75 has been mostly found all over the country. BA.2.38 has decreased whereas an increase in BA.2.10 has been observed. The incidence of BA.5 has decreased now compared to earlier. However, no surge in hospitalization or any disease severity has been observed during this time-period.



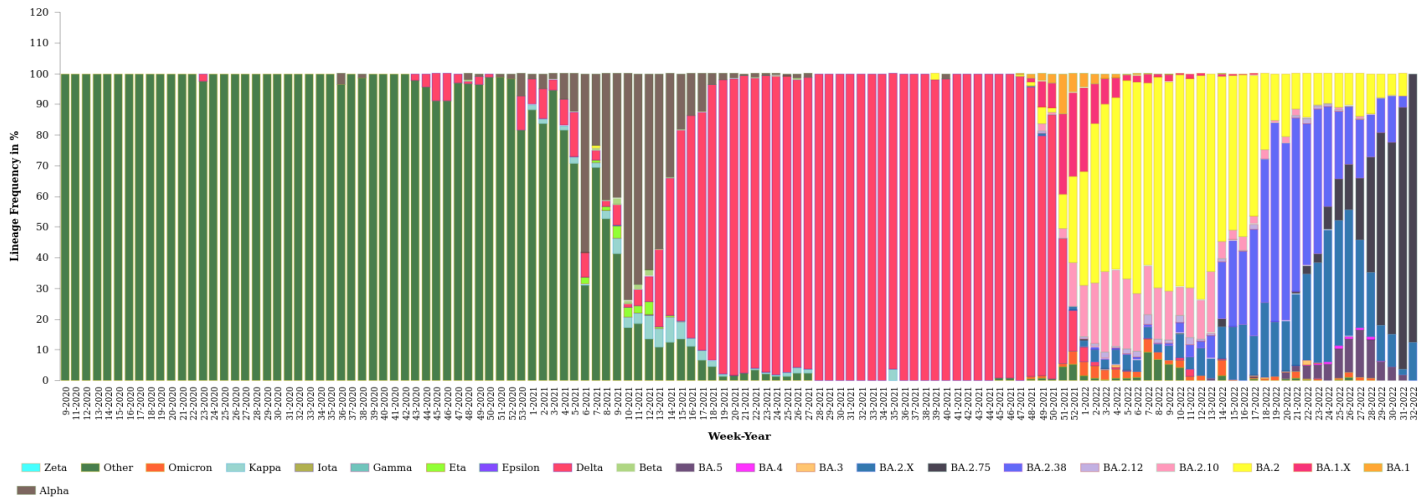
*BA.5 in the graph includes its sub-lineages also.

In the North and Central region, BA.2.75 is the dominant lineage.

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North India - Week wise lineage distribution

As on: 26-08-2022



Central India - Week wise lineage distribution

As on: 26-08-2022



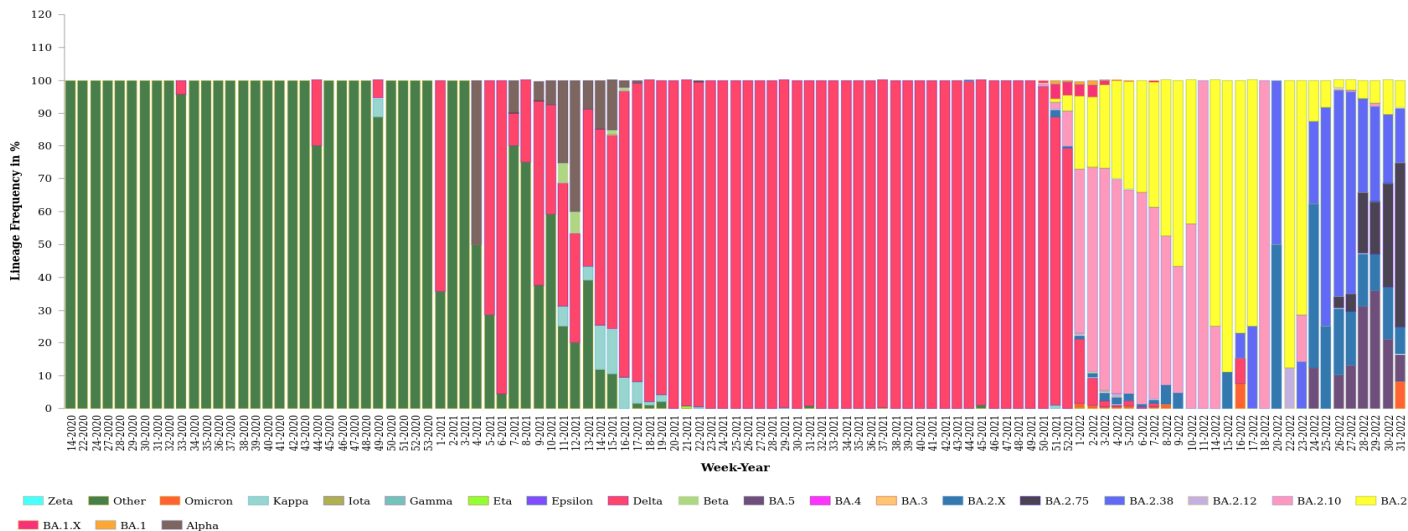
*BA.5 in the graph includes its sub-lineages also.

In North east region, BA.2.75 is the dominant lineage, followed by BA.2.38 with a declining trend since the previous week. BA.5, BA.2.X and BA.2 are also in circulation albeit on decline. Small percentage of Omicron (B.1.1.529) have been observed.

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NorthEast India - Week wise lineage distribution

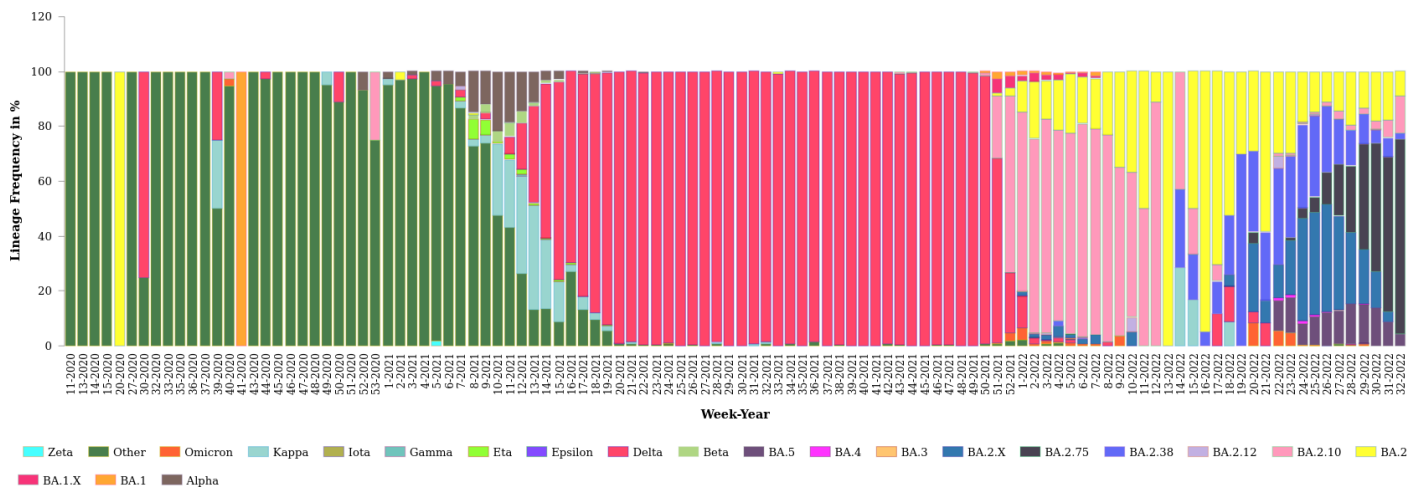
As on: 26-08-2022



In East region, BA.2.75 is the dominant lineage which BA.2.10, BA.2, BA.2.38 and BA.5 and its sub lineages circulating in lower frequencies.

East India - Week wise lineage distribution

As on: 26-08-2022



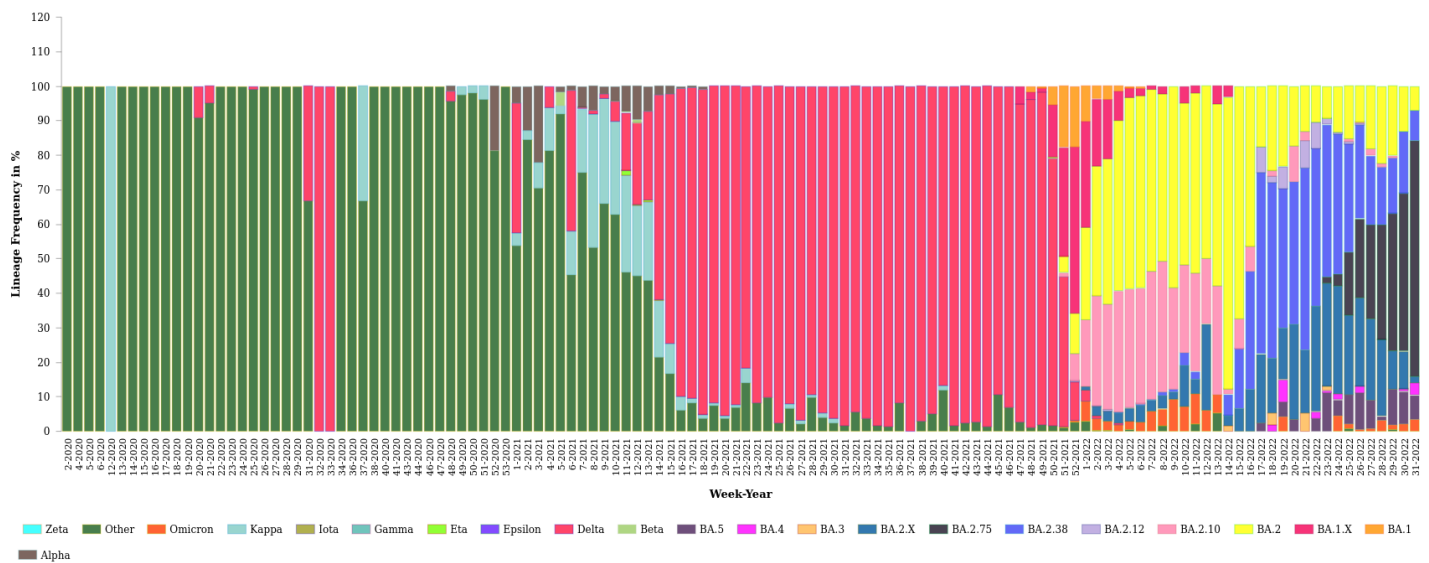
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*BA.5 in the graph includes its sub-lineages also.

In the West region, BA.2.75 is the dominant lineage, BA.5 and its sub-lineages, BA.2, BA.2.38, BA.4 and Omicron (B.1.1.529) are in circulation in low frequencies.

West India - Week wise lineage distribution

As on: 26-08-2022

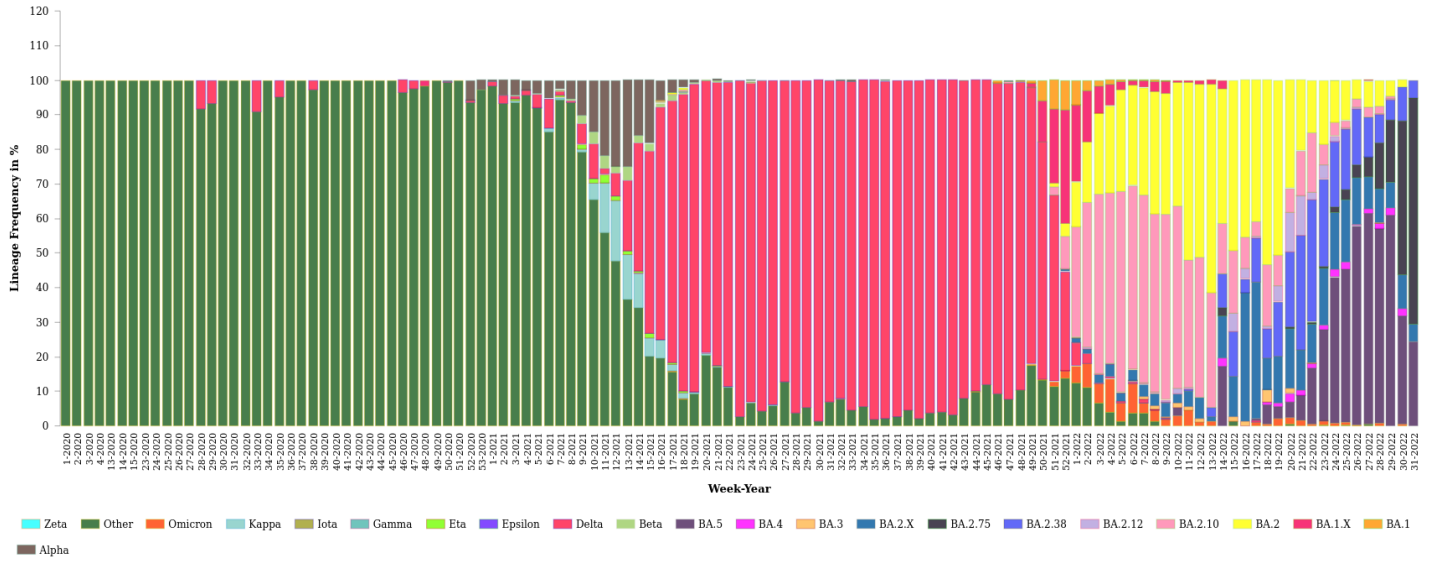


In the South region, BA.2.75 is the dominant lineage, however, BA.5 and its sub-lineages are also in circulation albeit on decline.

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South India - Week wise lineage distribution

As on: 26-08-2022



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