

INSACOG BULLETIN

30 September 2023

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:

Number of samples sequenced by IGSLs 297,634

Samples sequenced by IGSLs under State government MoUs: 35,441

Total number of samples sequenced by labs associated with INSACOG including their efforts under MoU with States: 333,075

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

Table 1: Cumulative samples with pangolin lineage assigned (as on 26.09.2023)				
Community sample	Travelers sample	Total pangolin lineage assigned	Total VOC/VOI	Percentage
209822	12564	222386	186382	83.8

Global Scenario

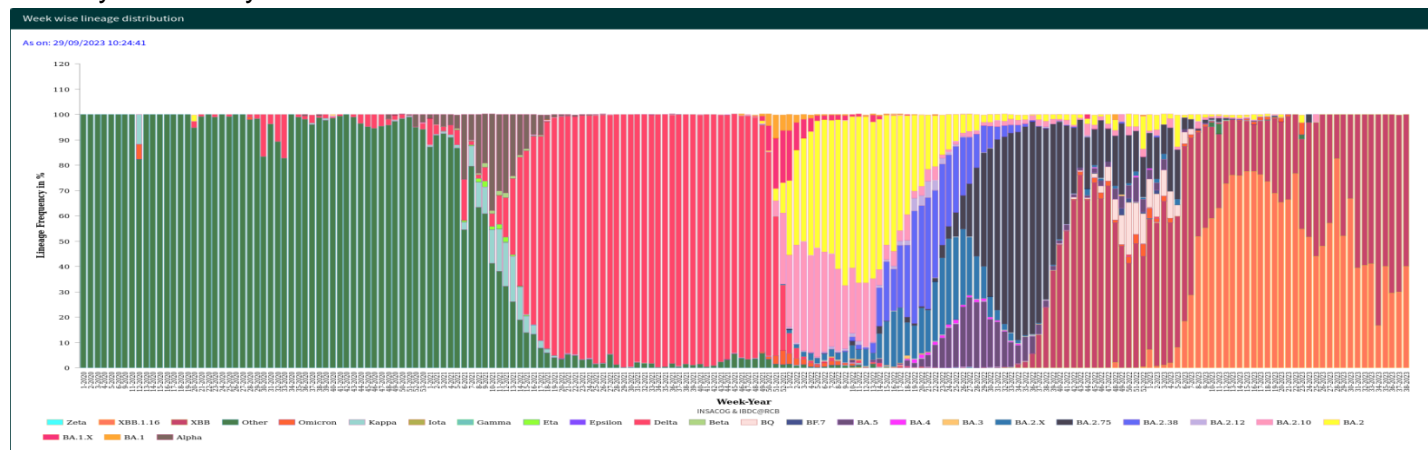
Globally, about 685,000 new cases and 1900 deaths have been reported in the last 28 days (28 August to 24 September 2023), a decrease of 55% and 34%, respectively, compared to the previous 28 days^[1]. During the week 33-36 of 2023, recombinant lineages continued to be the most prevalent variants globally. Currently, there are three variants of interest (VOI), XBB.1.5, XBB.1.16 & EG.5 and seven variants under monitoring (VUMs): BA.2.75, BA.2.86, CH.1.1, XBB, XBB.1.9.1, XBB.1.9.2, and XBB.2.3. There have been 198 sequences of the BA.2.86 variant reported from 21 countries. A gradual decrease has been observed in the prevalence of XBB.1.5 globally (125 Countries), accounting for 8.6% of sequences in week 36 compared to 12% of sequences in week 32. XBB.1.16 and EG.5 are still the most prevalent VOIs worldwide and have been reported from 120 and 73 countries, respectively. XBB.1.16 and EG.5 accounted for 18.9% and 33.6% of sequences, respectively.

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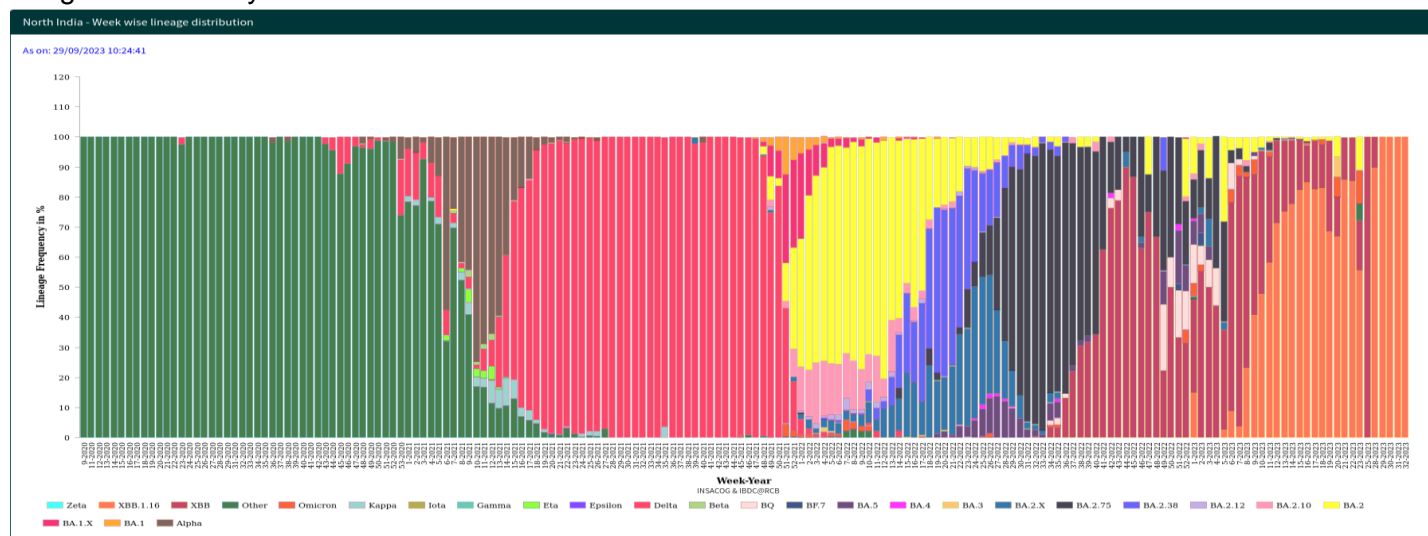
Indian Scenario

Omicron and its sub-lineages continue to be the dominant variants in India. The prevalence of recombinant variants XBB and XBB.1.16 have been observed in different parts of India, accounting for 66.7% and 33.3% of the infection respectively. Recently, four cases of EG.5.1 variant have been identified from Maharashtra, Gujrat, and Karnataka. However, till date BA.2.86 variant has not been reported from India. However, no increase in disease severity or hospitalization have been observed.

Country wide analysis:



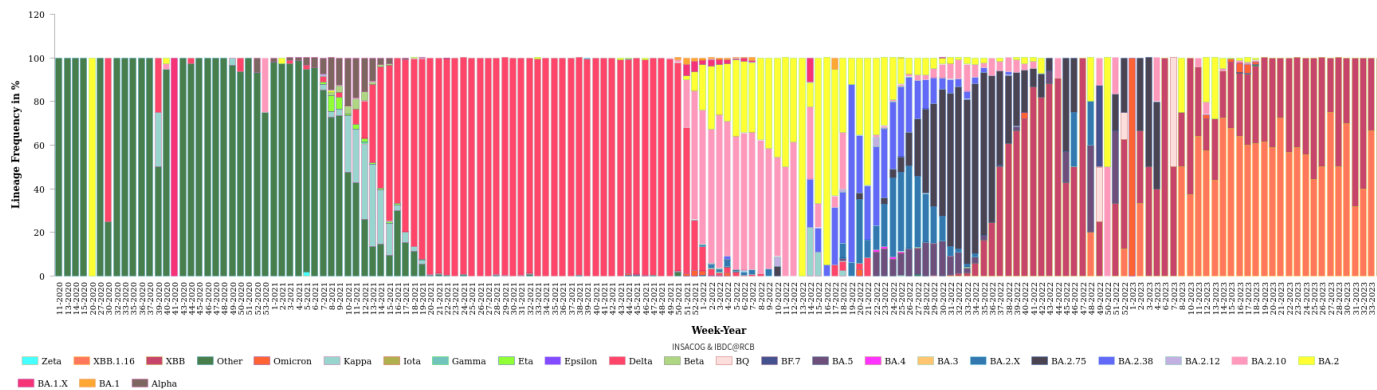
Region-wise analysis:



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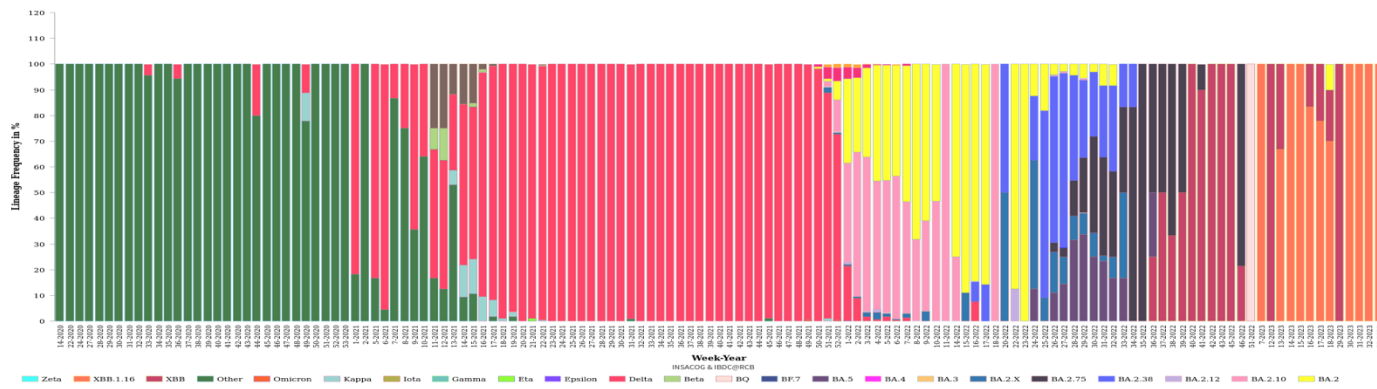
East India - Week wise lineage distribution

As on: 29/09/2023 10:24:11



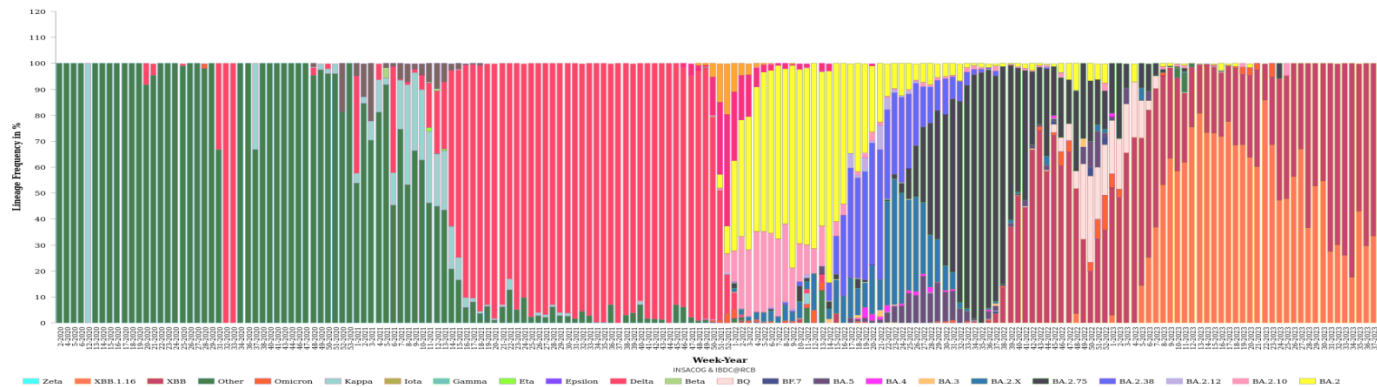
NorthEast India - Week wise lineage distribution

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West India - Week wise lineage distribution

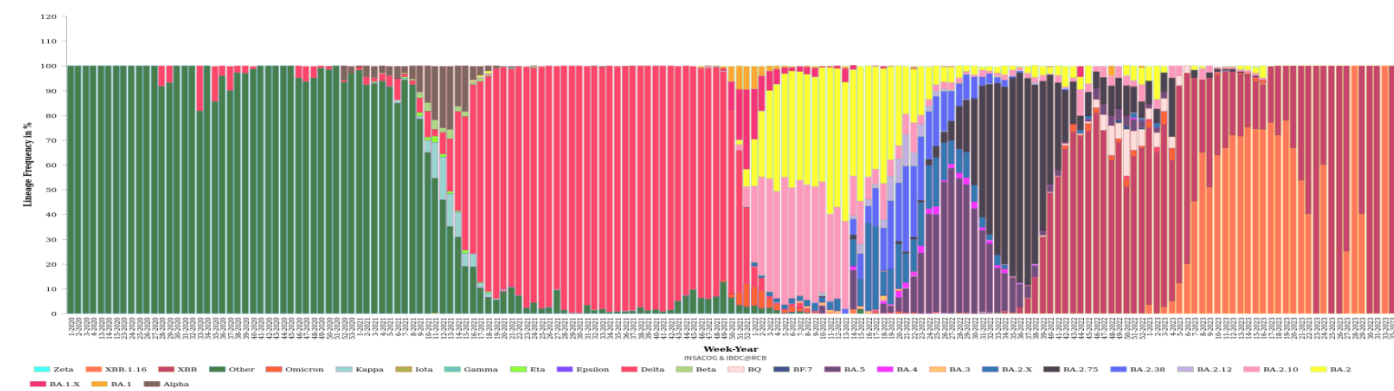
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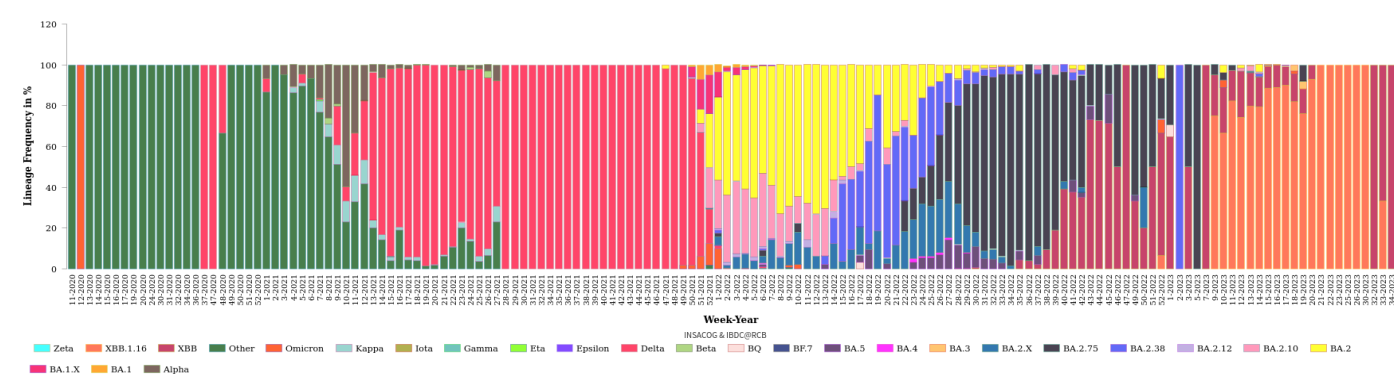
South India - Week wise lineage distribution

As on: 29/09/2023 10:24:41



Central India - Week wise lineage distribution

As on: 29/09/2023 10:24:41



Reference:

1. WHO weekly epidemiological report.