

INSACOG BULLETIN

31 October 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 297,745

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: 333,186

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

Table 1: Cumulative samples with pangolin lineage assigned (as on 26.10.2023)				
Community sample	Travelers sample	Total pangolin lineage assigned	Total VOC/VOI	Percentage
209883	12564	222447	186443	83.8

Global Scenario

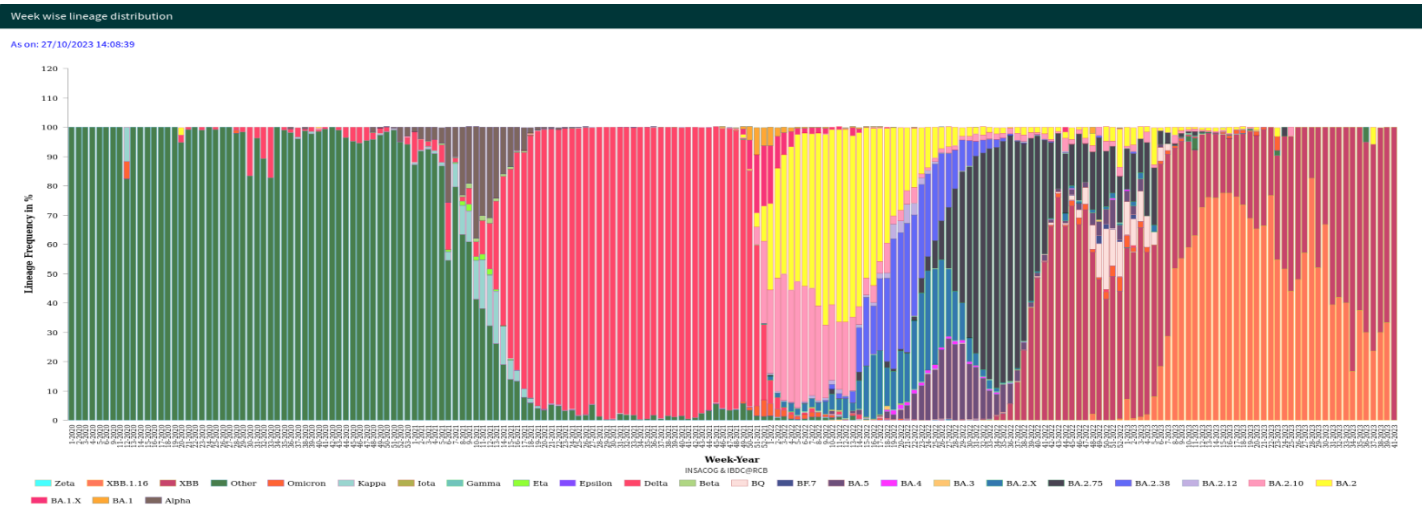
Globally, over half a million new cases and 4700 new deaths were reported during the 28-day period from 25 September to 22 October 2023, a decrease of 42% and 43%, respectively, compared to the previous 28 days^[1]. During the week 37-40 of 2023, recombinant lineages continued to be the most prevalent variants globally. Currently, there are three variants of interest (VOI), XBB.1.5, XBB.1.16 & EG.5 and six variants under monitoring (VUMs): BA.2.86, DV.7, XBB, XBB.1.9.1, XBB.1.9.2, and XBB.2.3. There have been 904 sequences of the BA.2.86 variant reported from 30 countries. The prevalence of XBB.1.5 globally (127 Countries), was 9% of sequences in week 40 compared to 9.7% of sequences in week 36. XBB.1.16 and EG.5 are still the most prevalent VOIs worldwide and have been reported from 116 and 87 countries, respectively. XBB.1.16 and EG.5 accounted for 16.7% and 45.8% of sequences, respectively.

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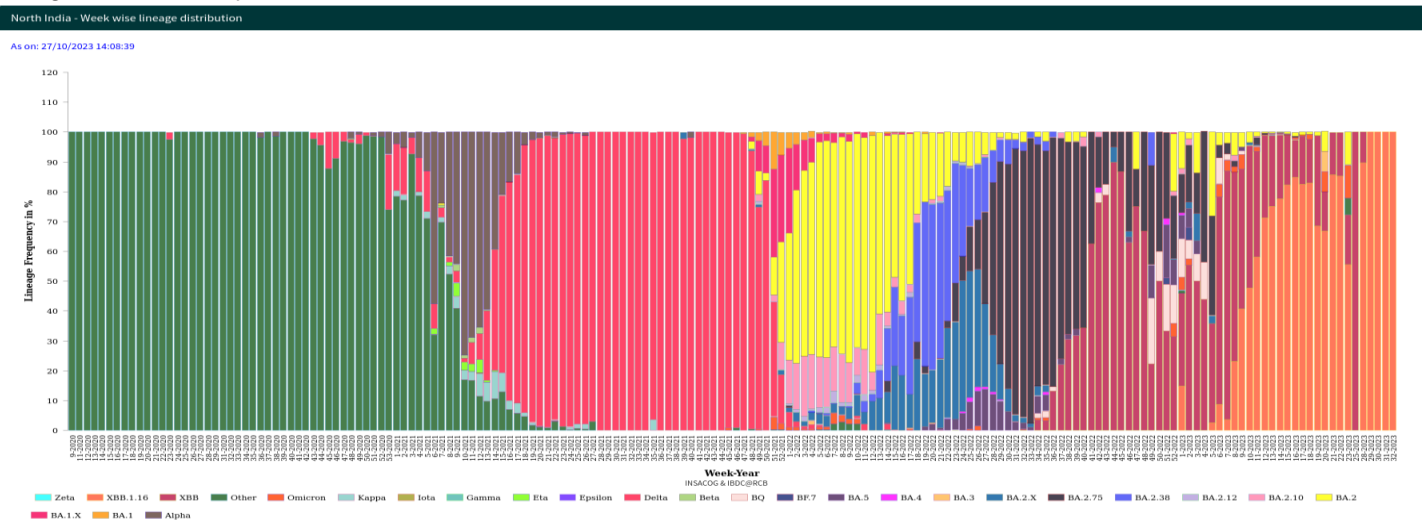
Indian Scenario

Omicron and its sub-lineages continue to be the dominant variants in India. Recombinant variants XBB and XBB.1.16 have been observed in different parts of India. Six cases of EG.5.1 variant have been identified from Maharashtra, Gujarat, and Karnataka till date. However, no increase in disease severity or hospitalization has been observed yet.

Country wide analysis:



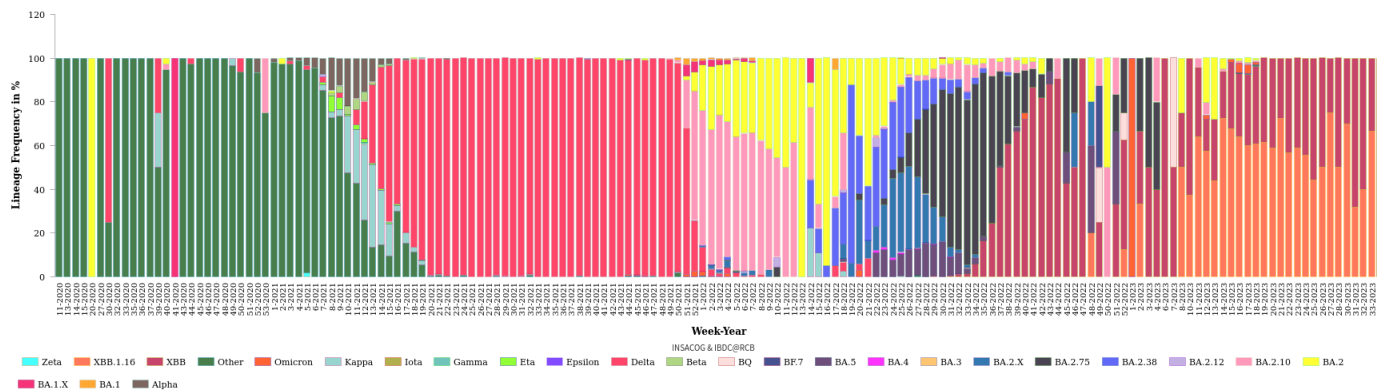
Region-wise analysis:



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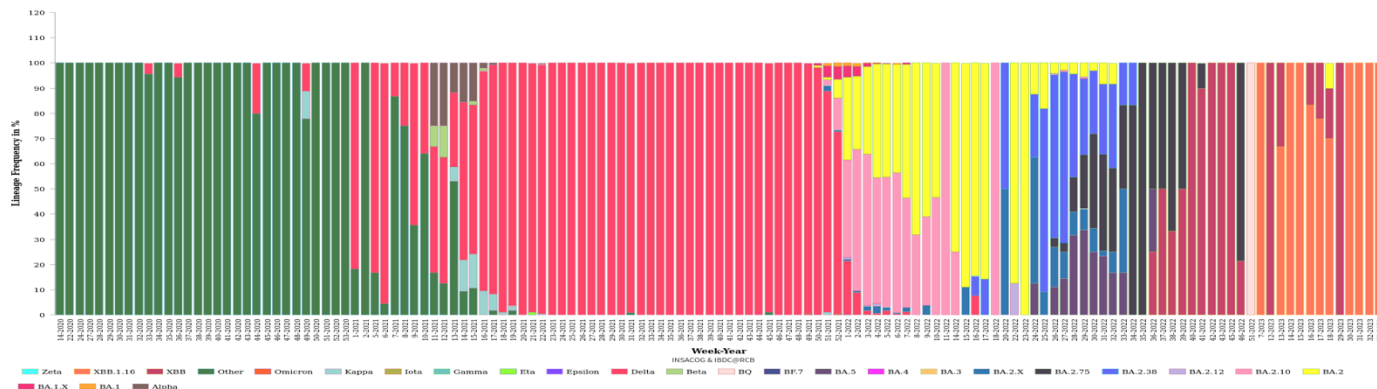
East India - Week wise lineage distribution

As on: 27/10/2023 14:08:39



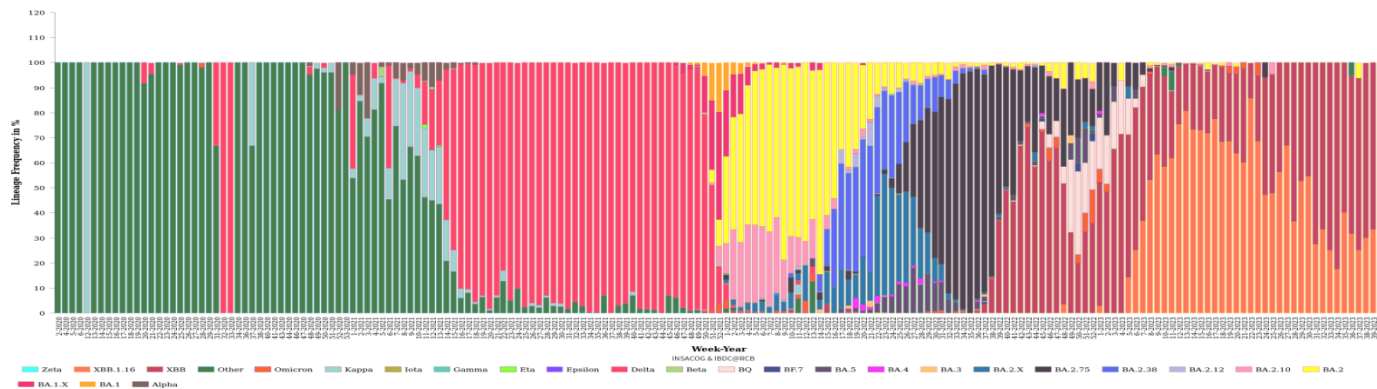
NorthEast India - Week wise lineage distribution

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West India - Week wise lineage distribution

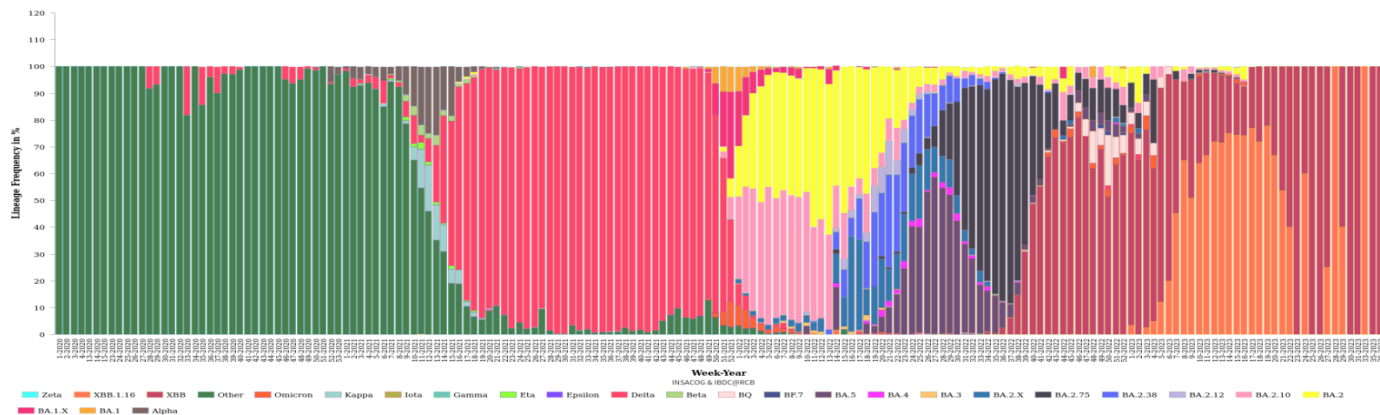
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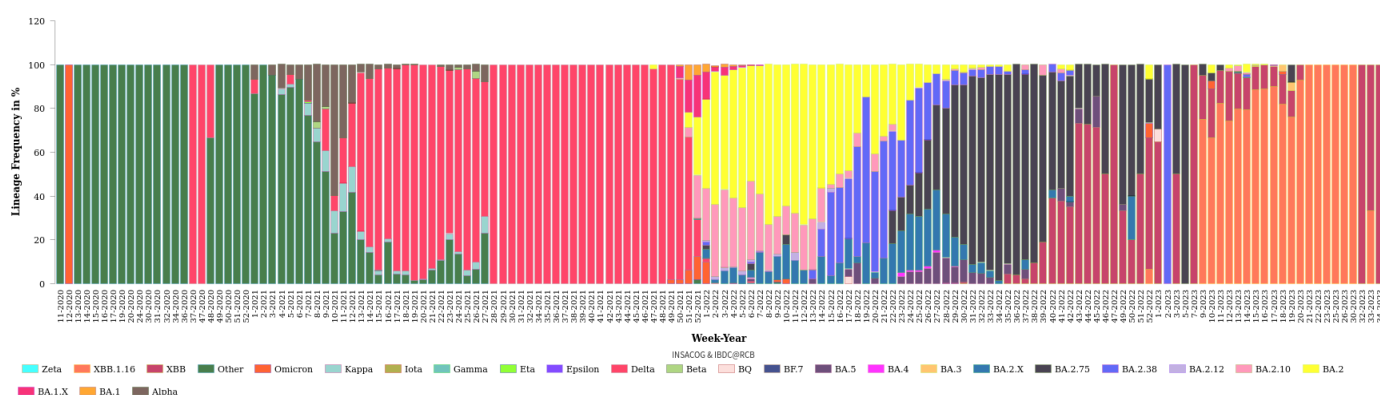
South India - Week wise lineage distribution

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Central India - Week wise lineage distribution

As on: 27/10/2023 14:08:39



Reference:

1. WHO weekly epidemiological report.