

INSACOG BULLETIN

12th June, 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:

Total number of samples sequenced is 294,295

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

Total number of samples sequenced: 329,736

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

Table 1: Cumulative samples with pangolin lineage assigned (as on 09.06.2022)

Community sample	Travelers sample	Total pangolin lineage assigned	Total VOC/VOI	Percentage
206665	12535	219200	183763	83.8

Global Scenario

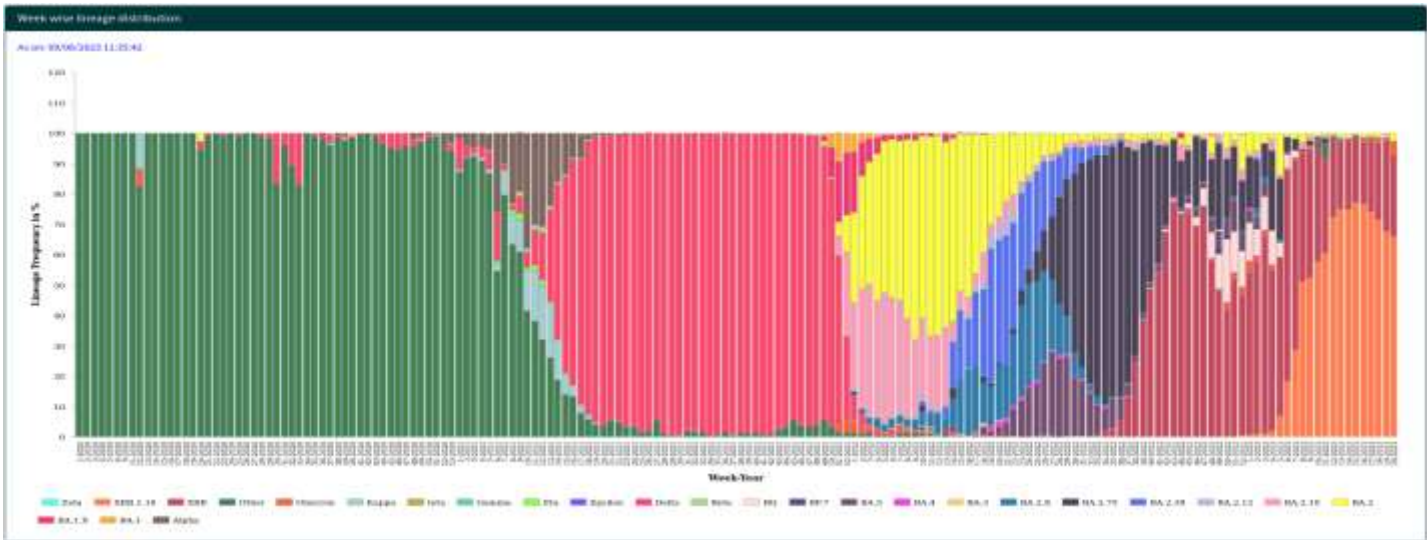
Globally, nearly 1.7 million new cases and 10000 deaths have been reported in the last 28 days^[1]. During the week 20 of the year 2023, there has been a continued decreasing trend in the proportions of recombinant lineages globally. Currently, there are two variants of interest (VOI), XBB.1.5 & XBB.1.16 and seven variants under monitoring (VUMs). The VUMs are BA.2.75, CH.1.1, BQ.1, XBB, XBB.1.9.1, XBB.1.9.2, and XBB.2.3. Among the VUMs, XBB, XBB.1.9.1, XBB.1.9.2, and XBB.2.3 have shown increasing trends in recent weeks. Globally, XBB.1.5 has been detected in 116 countries and continues to be the most prevalent variant, accounting for 30.3% of cases in epidemiological week 20. XBB.1.16 has been reported from 61 countries and accounted for 16.8% of sequences submitted till date.

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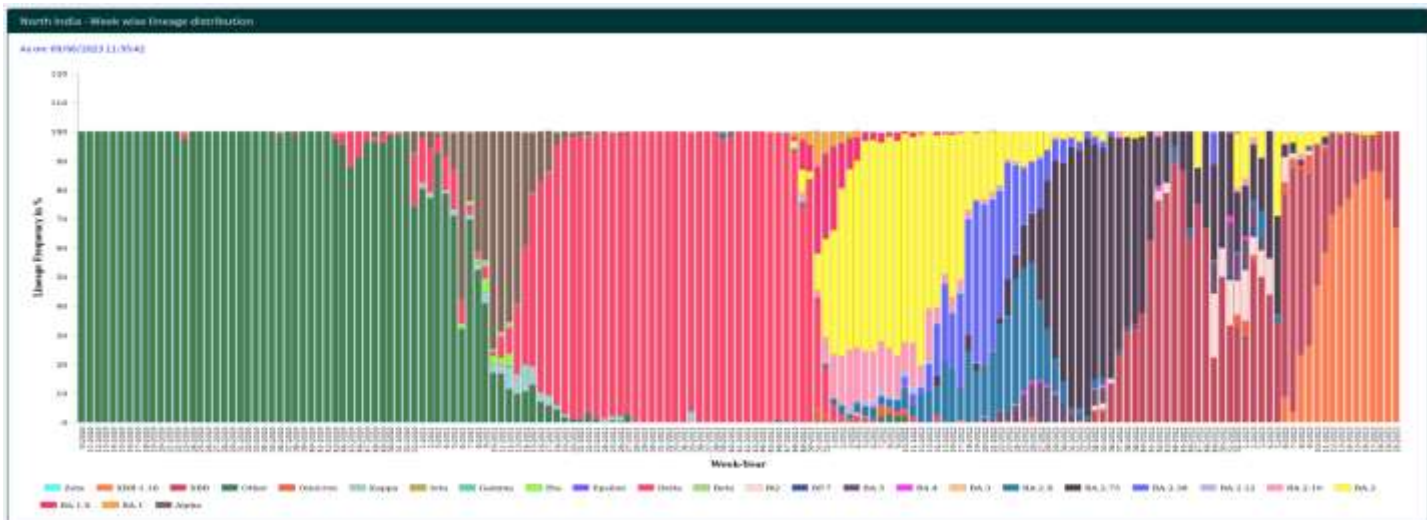
Indian Scenario

Omicron and its sub-lineages continue to be the dominant variants in India. The prevalence of recombinant variant XBB.1.16 has been observed in different parts of India compared to last week, accounting for 65.2% of the infection till date. Among the samples collected till the fourth week of May 2023, other XBB sub-lineages accounted for 28.3% of the current infection. No increase in disease severity or hospitalization has been observed.

Country wide analysis:



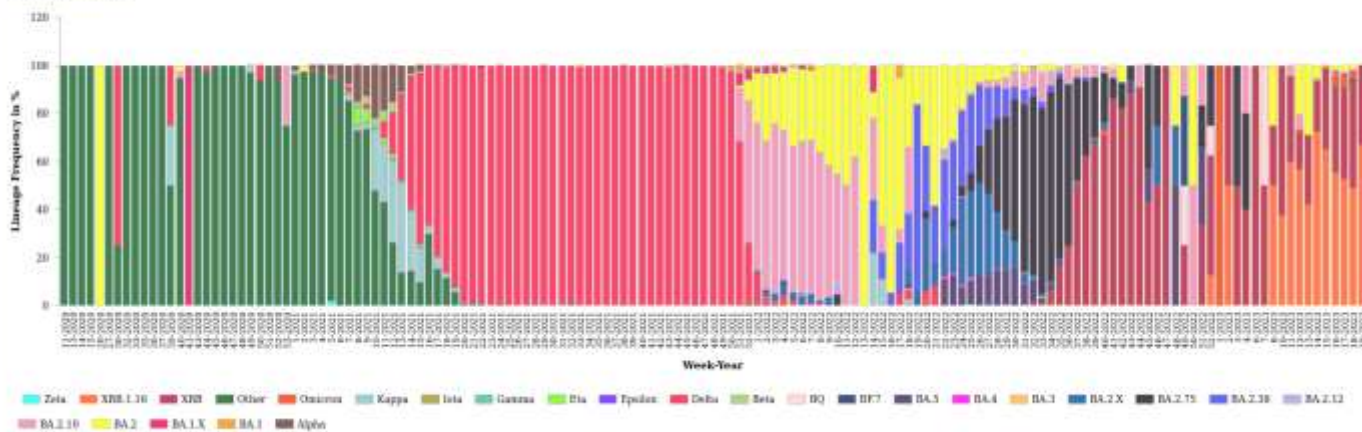
Region-wise analysis:



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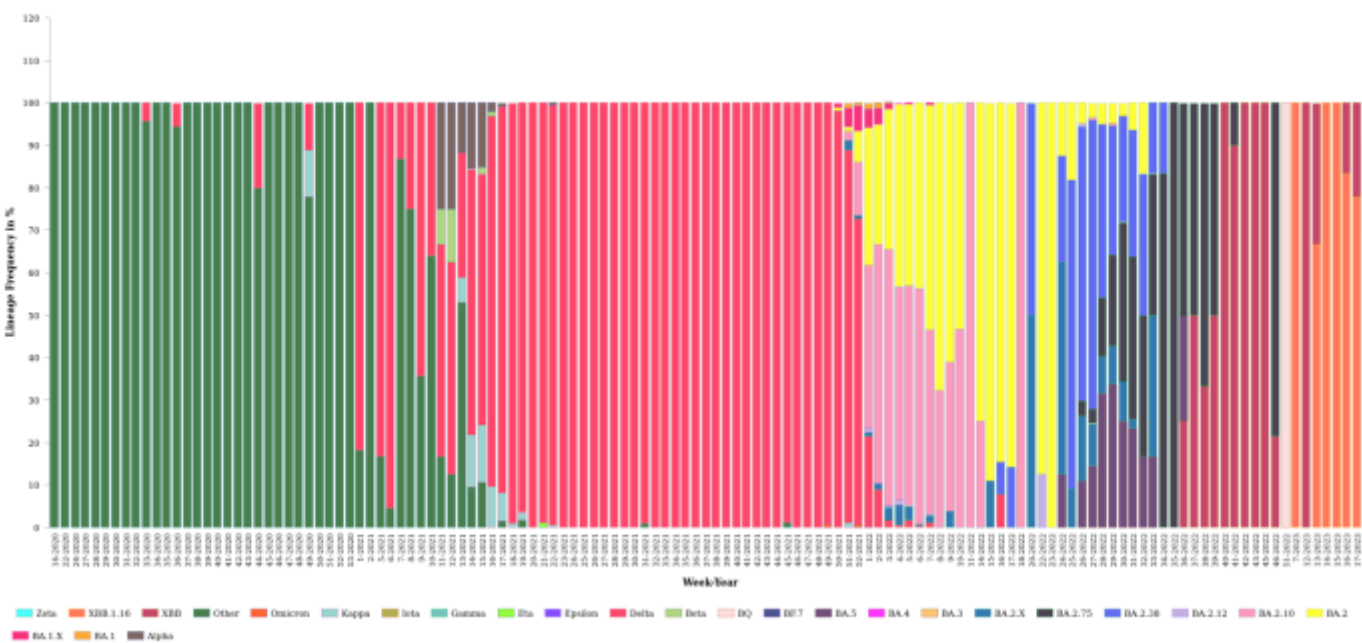
East India - Week wise lineage distribution

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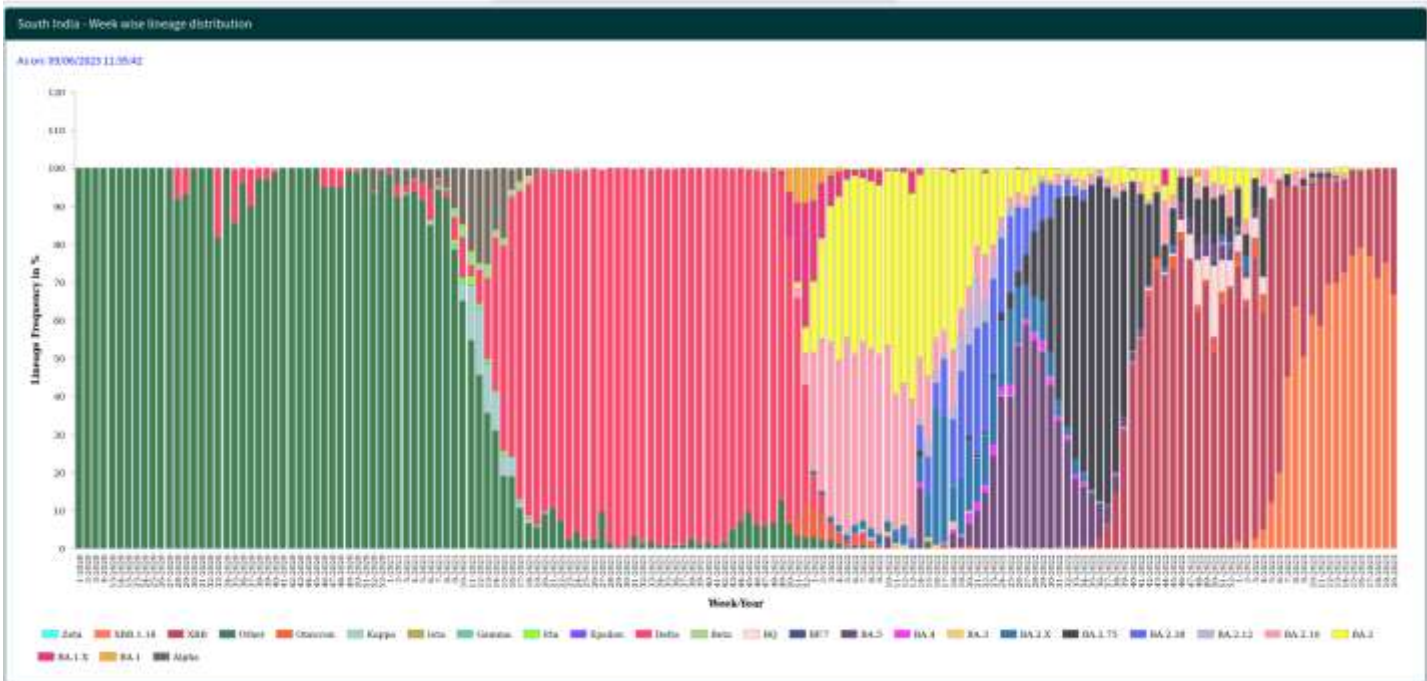
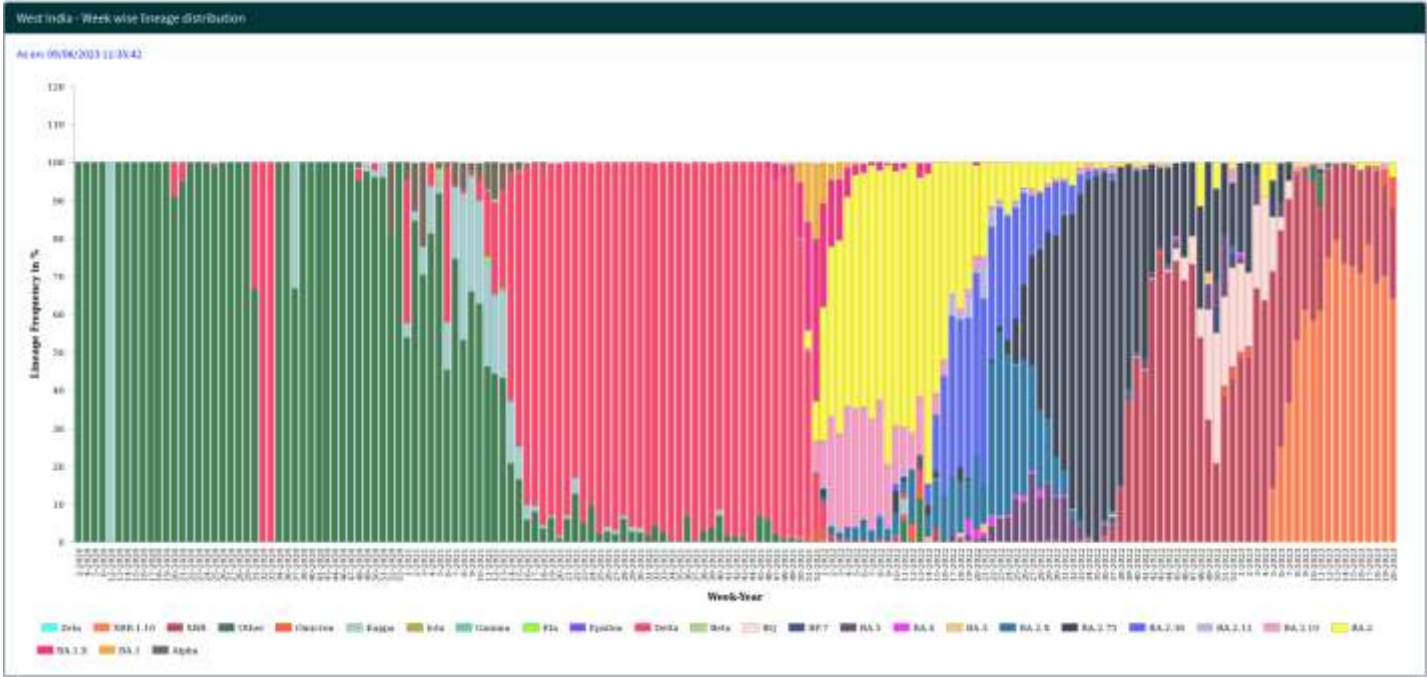


NorthEast India - Week wise lineage distribution

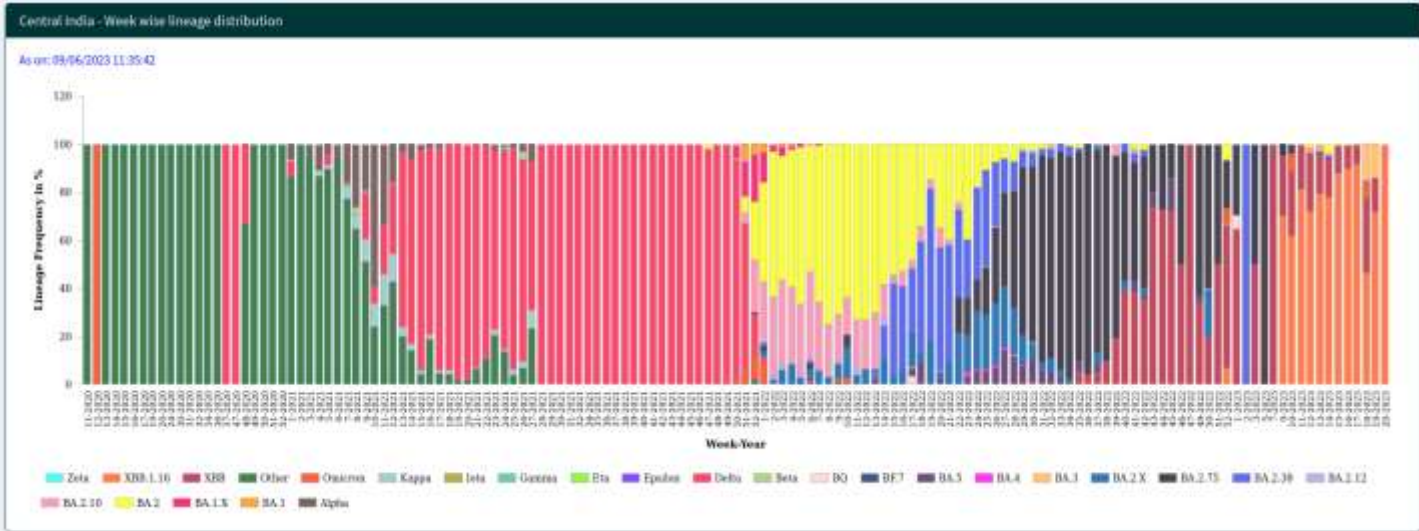
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Reference:

1. WHO weekly epidemiological report.