







# **INSACOG BULLETIN**

June 20, 2022

The INSACOG reports genomic surveillance of SARS-CoV-2 across the country through sequencing of samples from Sentinel sites and International passengers arriving in India. A summary of the cumulative data of INSACOG and other state sequencing initiatives can be found at the INSACOG data portal link along with other INSACOG information at <a href="https://research.nibmg.ac.in/insacog/">https://research.nibmg.ac.in/insacog/</a>

### **INSACOG:**

- Total number of samples sequenced is 221,836
- · Total number of sequences analyzed 220,691

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

Total number of samples sequenced: 256,599

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

| Table 1: Cumulative samples with pangolin lineage assigned (as on 18.06. 2022) |                  |                                 |               |            |  |  |  |  |  |  |  |
|--|------------------|---------------------------------|---------------|------------|--|--|--|--|--|--|--|
| Community sample   | Travelers sample | Total pangolin lineage assigned | Total VOC/VOI | Proportion |  |  |  |  |  |  |  |
| 149729   | 12285            | 162014                          | 130073        | 80.3       |  |  |  |  |  |  |  |

|       | Distribution of VOC and B.1.617.1 & B.1.617.3 ( as on 18-06-2022) |       |       |               |       |       |               |       |       |                         |       |       |           |       |       |          |       |       |       |       |         |               |         |        |
|-------|---|-------|-------|---------------|-------|-------|---------------|-------|-------|-------------------------|-------|-------|-----------|-------|-------|----------|-------|-------|-------|-------|---------|---------------|---------|--------|
| Alī   | Alpha Variant Beta Variant  |       | nt    | Gamma Variant |       |       | Delta Variant |       |       | B.1.617.1 and B.1.617.3 |       |       | AY Series |       |       | Omicron* |       |       | XE    | XM    | XJ      | 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       | Variant |        |
| 577   | 3690  | 4267  | 117   | 104           | 221   | 1     | 2             | 3     | 387   | 43563                   | 43950 | 84    | 5538      | 5622  | 227   | 20235    | 20462 | 5895  | 49648 | 55543 | 1       | 2             | 2       | 130073 |









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### **Global Scenario**

Globally, the number of new weekly cases has continued to decline since a peak in January 2022. The Omicron VOC remains the dominant variant circulating globally, accounting for 97% of sequences reported. Among the Omicron lineages, BA.2 represents the highest, while BA.2.12.1, BA.5, and BA.4 are present in lower numbers.

#### **Indian Scenario**

Many BA.2 have been reclassified to BA.2.38. BA.2.38 seems to be the prevalent sub-lineage in the latest sequencing batches. However, so far this has not led to any increase in hospitalization or any report of increase in disease severity. A few deaths that have been reported recently, are due to comorbidities. COVID appropriate behavior is likely to reduce the spread of the infection and hence continues to be recommended.

