The INSACOG reports genomic surveillance of SARS CoV-2 across the country through sequencing of samples from Sentinel sites and also detailed State wise district analysis for some states under State MoUs (Maharashtra, Kerala and some others) A summary of the cumulative data of INSACOG and other state sequencing initiatives can be found at the INSACOG data portal link (http://clingen.igib.res.in/covid19genomes/) along with other INSACOG information at https://dbtindia.gov.in/insacog. New web-based query tool is now available on the data portal. All data presented on the portal is organized by date of sample collection, state, assigned lineage and mutations found on analysis.

**INSACOG:**

- Total number of samples processed so far is 96,312
- Total number of samples sequenced is 96,312
- Total number of sequences analysed are 92,800

**Samples from MoUs with state governments:**

- Number of samples sequenced is 18,789

**Total number of samples sequenced: 1,15,101**

The number of samples with pangolin lineage assigned are

<table>
<thead>
<tr>
<th>Community sample</th>
<th>Travelers sample</th>
<th>Total assigned</th>
<th>Total VOC/VOI</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>60589</td>
<td>5178</td>
<td>65767</td>
<td>45394</td>
<td>69</td>
</tr>
</tbody>
</table>

The cumulative distribution of VOC/VOI (as on 03.11.2021)

<table>
<thead>
<tr>
<th>Alpha Variant</th>
<th>Beta Variant</th>
<th>Gamma Variant</th>
<th>Delta Variant</th>
<th>B.1.617.1 and B.1.617.3</th>
<th>AY series</th>
<th>Total VOC/VOI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tr&amp;Co</td>
<td>Com</td>
<td>Total</td>
<td>Tr&amp;Co</td>
<td>Com</td>
<td>Total</td>
<td>Tr&amp;Co</td>
</tr>
<tr>
<td>577</td>
<td>3655</td>
<td>4232</td>
<td>117</td>
<td>102</td>
<td>219</td>
<td>1</td>
</tr>
</tbody>
</table>

Tr&Co= Travelers and contacts; Com= Community samples
Variants reported during the period

Global

There is no change to the global scenario. Delta, including B.1.617.2 (AY) and AY.x sublineages, continues to be the main VOC globally. As per the latest WHO update (1), Delta has outcompeted other variants in most countries and there is now declining prevalence of other variants among SARS-CoV-2 sequences submitted to publicly available datasets or reported to WHO.

National

Delta (B.1.617.2 and AY.x) continues to be the main VOC in India. No new VOI or VOC are noted and other VOC and VOI other than Delta are now negligible in sequencing data from India.
