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**CURRENT VARIANTS OF CONCERN**

<table>
<thead>
<tr>
<th>NAME</th>
<th>MUTATIONS</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Omicron (B.1.1.529)</td>
<td>32</td>
<td>Identified in South Africa in Nov. 2021 and spread around the world. Within a month it was dominant in the U.S.</td>
</tr>
<tr>
<td>Delta (B.1.617.2)</td>
<td>10</td>
<td>Emerged in India in late 2020 and spread around the world. Delta carries the L452R spike mutation, among others.</td>
</tr>
<tr>
<td>Gamma (P.1)</td>
<td>12</td>
<td>Emerged in Brazil in late 2020.</td>
</tr>
<tr>
<td>Beta (B.1.351)</td>
<td>10</td>
<td>Emerged in South Africa in late 2020.</td>
</tr>
<tr>
<td>Alpha (B.1.1.7)</td>
<td>11</td>
<td>Emerged in Britain in late 2020.</td>
</tr>
</tbody>
</table>

**NAME**

**MUTATIONS**

**STATUS**

Identified in South Africa in Nov. 2021 and spread around the world. Within a month it was dominant in the U.S.

Emerged in India in late 2020 and spread around the world. Delta carries the L452R spike mutation, among others.

Emerged in Brazil in late 2020.

Emerged in South Africa in late 2020.

Emerged in Britain in late 2020.

**Source: The New York Times**

**Surging VARIANTS**

In November, the first case of the Omicron variant was reported and discovered in South Africa. The variant spread rapidly around the world, with cases continuing to rise during and after the holidays as students returned to campus and classes began.

**FIRST REPORTED AND DISCOVERED IN SOUTH AFRICA NOV. 24TH**

**AT LEAST 32 MUTATIONS AND A HIGHER RE-INFECTION RISK**

**POSITIVE CASES PEAKED AT 1,433,977 ON JANUARY 10TH**

**3 MILLION DAILY TESTS ADMINISTERED**

**30% POSITIVITY RATE**

**DAILY AVERAGE CASES IN THE U.S.**

Source: The New York Times

COMPARING LAST YEAR’S WINTER PEAK:

Cases: +321%
Hospitalizations: +106%
Deaths: +60%