

**Recommendation of vaccine for Swine Flu (H1N1) in the current season of the year 2022**

WHO recommended compositions of influenza virus vaccines for both NH (2021-2022) and SH (2022) is as follows:

<b><u>NH (February): 2021-22</u></b>	<b><u>SH (September): 2022</u></b>
<ul style="list-style-type: none"> <li>• an A/Victoria/2570/2019 (H1N1)pdm09</li> <li>• an A/Cambodia/e0826360/2020 (H3N2)</li> <li>• a B/Washington/02/2019 (B/Victoria lineage)</li> <li>• a B/Phuket/3073/2013 (B/Yamagata lineage)</li> </ul>	<ul style="list-style-type: none"> <li>• an A/Victoria/2570/2019 (H1N1)pdm09</li> <li>• an A/Darwin/9/2021 (H3N2)</li> <li>• a B/Austria/1359417/2021 (B/Victoria lineage)</li> <li>• A B/Phuket/3073/2013 (B/Yamagata lineage)</li> </ul>

For the upcoming flu season in NH (2022-2023), the WHO has updated the composition as follows to better match virus strains expected to be in circulation:

**NH (February): 2022-23**

- an A/Victoria/2570/2019 (H1N1)pdm09
- an A/Darwin/9/2021 (H3N2)
- a B/Austria/1359417/2021 (B/Victoria lineage)
- a B/Phuket/3073/2013 (B/Yamagata lineage)

The recommended vaccine strains for NH (2022-2023) are 100% same as of SH (2022).

In India, the influenza surveillance is done through structured influenza surveillance network of DHR-ICMR VRDLs and its National Influenza Centre (WHO-NIC) housed at ICMR-NIV Pune (also a WHO CC for GISRS). In the current year 2022, the surveillance network has monitored the flu activity in 12261 ILI/SARI samples. Nationally, among influenza detections, Influenza A (H1N1)pdm09 virus type (64.3%) predominated followed by Influenza A H3N2 virus type (29.3%). The Influenza B viruses are circulating at a very low level. Further, based on the phylogenetic lineages detected at NIV Pune of the positive influenza samples reported this year, the presently circulating strains of Influenza A H3N2 in the country are in match with the WHO recommended vaccine composition for NH (2022-23) and SH (2022).

Therefore, it is likely that the composition of Influenza virus vaccines recommended by WHO for NH and SH should be able to confer protection against circulating influenza virus types in India.

The presently available SH vaccine can be used for the prevention of influenza.