



Ministry of Health and Family Welfare  
Government of India



The World's Largest

# VACCINATION

Drive



The first case of COVID-19 was detected in December 2019 in China and it soon spread across the World. The outbreak was declared a Public Health Emergency of International concern in January 2020, and a pandemic in March 2020.

The Government of India took proactive steps to respond to the pandemic and initiated the preparedness of the health system to respond to all aspects of COVID-19 management. India managed to maintain lowest positivity and mortality rates coupled with one of the highest recovery rate globally during the pandemic.

The country's public health efforts were strongly supported by its research and development capacity in developing vaccines against COVID-19. The planning of vaccination drive started well in advance based on scientific evidence and global best practices.





Under the able guidance of Hon'ble Prime Minister Shri Narendra Modi, vaccination was envisioned as a key component in India COVID 19 response strategy. The planning of vaccination drive started well in advance based on scientific evidence and global best practices. A comprehensive strategy based on six key principles was evolved

- ▶ **Adoption of a Universal Programme approach**, to include those above 18 years of age and provision of “free of cost” vaccines at all Government health centres.
- ▶ **“Aatmanirbharta” or self-reliance** based on which the Government provided technology and funding support for development of indigenous vaccines.
- ▶ **Prioritization of beneficiaries or adoption of a “layered approach”** based on global best practices and WHO guidelines. This implied vaccinating Frontline and Healthcare Workers, followed by those most at risk due to age or comorbidities and finally for all adults over 18 years of age.
- ▶ **Development of a digital interface** to facilitate the process of mass vaccination and to provide for registration, online certificate generation and tracking of eligible beneficiaries.
- ▶ **“One Earth, One Health” approach** and proactive sharing of our experiences, expertise and resources with the global community in this battle.
- ▶ **Consultative and collaborative approach** ensuring all key stakeholders who had a role to play were engaged from day one.



# Scientific Guidance on Vaccination Programme

- ▶ **National Task Force for Focused Research on Corona Vaccine** was established in April 2020 to guide the process for coronavirus vaccine development, encourage domestic Research & Development of Drugs, Diagnostics and Vaccines.
- ▶ **National Expert Group on Vaccine Administration for COVID-19 (NEGVAC)** was constituted in August 2020, to formulate comprehensive action plan for vaccine administration. NEGVAC reviews the scientific evidence and global best practices to provide guidance on all aspects of COVID-19 vaccination including prioritization of population groups, procurement and inventory management, vaccine selection, vaccine delivery and tracking mechanism etc.
- ▶ **An Empowered Group on Vaccine Administration for COVID-19 (EGVAC)** has also been constituted in January 2021, to facilitate optimal utilization of technology so as to make COVID vaccination all inclusive, transparent, simple and scalable, headed by CEO, National Health Authority.
- ▶ **National Technical Advisory Group on Immunization (NTAGI)**, through its Standing Technical Sub-Committee (STSC) and COVID-19 Working Group, has been providing advice on technical matters with respect to COVID-19 vaccination like dosage interval, contraindications, vaccination of specific groups like pregnant & lactating women, AEFI surveillance, etc.





# COVID-19 Vaccine Landscape in India

Hon'ble Prime Minister steered the domestic vaccine research and development programme from the front and ensured that the Indian vaccine manufacturers got a conducive environment for accelerated vaccine research, development and manufacture in the spirit of '*Aatmanirbhar Bharat*' (Self-reliant India). He visited the vaccine manufacturing facilities and engaged with manufacturers as well as scientists to spur the programme for a timely launch in January 2021.



The domestic vaccine manufacturing industry of India has put in all efforts to develop and manufacture COVID-19 vaccines. The vaccines that have been granted permission for restricted use in emergency situation by the National Regulator, i.e. Central Drugs Standard Control Organization (CDSCO) and are being used in the National COVID-19 Vaccination Programme are:



**ChAdOx1 nCoV- 19 Corona Virus Vaccine (Recombinant) (COVISHIELD)**  
manufactured by M/s Serum Institute of India Pvt. Ltd., Pune



**Whole Virion Inactivated Corona Virus Vaccine (COVAXIN)**  
manufactured by M/s Bharat Biotech International Limited, Hyderabad, Telangana



**Gam-COVID-Vac Combined vector vaccine (SPUTNIK-V)**  
imported by M/s Dr. Reddy's Laboratories Ltd, Hyderabad OR manufactured by M/s Ra (biologicals) Panacea Biotec Ltd., New Delhi

In the spirit of *Vasudhaiva Kutumbakam* (World as one family), **Government of India facilitated supply of 66.37 million doses of COVID-19 vaccines to 95 countries** as grants and supplies to COVAX facility etc.

Recently, the National Regulator has also granted permission for restricted use in emergency situation to ZyCoV-D, which is World's first DNA based COVID-19 vaccine that is being manufactured by M/s Zydus Cadila Ltd., Ahmedabad, Gujarat.


Besides these, the following vaccines are also in advanced stages of clinical trials:

- Sub unit vaccine developed by M/s Biological E Ltd (Corbevax), Hyderabad, Telangana
- mRNA vaccine developed by M/s Gennova Biopharmaceuticals Ltd. (HGCO19), Pune, Maharashtra
- Intra-nasal vaccine developed by Bharat Biotech International Ltd., Hyderabad, Telangana



# Use of Information Technology

## Co-WIN Portal



A unique digital platform Co-WIN supports the COVID-19 vaccination initiative, helping the programme managers in registration and tracking of every beneficiary of COVID-19 vaccination and every vaccination event along with real time information on the available stocks of vaccine, their storage temperature, actual vaccination process, generation of digital certificates, etc. Co-WIN app serves as the single source of truth for all data related to beneficiaries, vaccines and vaccination. This is also serving as a platform for registration and scheduling of appointments for vaccination, thus bringing in efficiency and order to the ongoing vaccination drive. It promotes easy visualization, hassle free

registration on free of cost basis, thus maintaining equity and transparency in the system. There are options of both on-site and online registrations as well as vaccination on Co-WIN system.

A Co-WIN Global Conclave was jointly organized on 5<sup>th</sup> July 2021 by the Ministry of Health & Family Welfare (MoHFW), Ministry of External Affairs (MEA) and National Health Authority (NHA) with an objective to extend the Co-WIN platform as a digital public good to the world. More than 100 countries have shown interest for uptake and operationalization of Co-WIN for their vaccination drive.

# Operationalization of COVID-19 Vaccination

The National COVID-19 vaccination drive of India is world's largest vaccination drive and has been unprecedented in both scale and reach.

India's ambitious vaccine production and administration effort is based on the following fundamental and cardinal principles:

01

**Prioritization of beneficiary groups based on their vulnerabilities to the virus and as recommended by NEGVAC**

02

**Strong enabling IT framework through Co-WIN platform**

03

**Facilitating indigenous research & development and production**

04

**Mobilizing supplies from all available sources, including imports**

05

**Concurrent adherence to COVID-Appropriate Behaviour**

COVID-19 vaccination drive aims to vaccinate the adult population of the country in the shortest possible time frame. To achieve this mammoth task, preparations related to capacity building of vaccinators, supply chain persons, administrators, mobilizers were taken up. Detailed operational plan was communicated through various directives from the Government of India.

Operational Guidelines of COVID-19 vaccination were issued in December 2020. These guidelines provide in detail the administrative responsibilities, capacities required, training needs, supply chain requirements, planning and role of various stakeholders.



Capacity building of entire human resource has been conducted in a cascade manner, from training of trainers at national level to the vaccination teams working at the ground level. More than 7,600 participants were trained at State level; around 61,500 trained at district level; more than 200,000 vaccinators and 390,000 other vaccination team members have been trained on the process to be followed at the vaccination sites.

Stakeholders across Ministries/Departments, professional bodies, medical colleges, Non-Governmental Organisations, Civil Society Organisations, media houses, private sector, youth & women networks have been involved in this drive which is being coordinated as a Jan Andolan (People's Movement). The country utilized the experience of Universal Immunization Programme and of conducting large-scale immunization campaigns, along with the experience of elections (booth strategy) to effectively cover large numbers and varied geographies. Comprehensive review of activities was done regularly to ensure seamless last mile delivery of vaccine to the intended beneficiaries.

Following guidance and interventions have been issued to States to make vaccination people centric & convenient:

- Vaccination of people at workplace - for employees & their dependents above 18 years
- Vaccination of beneficiaries without prescribed identity cards
- Revision in dosage interval of COVISHIELD based on growing evidence & recommendation of NTAGI
- Vaccination of COVID recovered beneficiaries, Vaccination if COVID patient received antibodies or plasma, if infected after 1st dose of COVID Vaccination & after hospitalisation for any other serious illness.
- Vaccination recommendations for lactating mothers
- Policies related to Quarantine and RTPCR requirement for Vaccinated persons



*Hon'ble Prime Minister Narendra Modi receives his shot*

- Vaccination recommendations for pregnant women
- Co-WIN portal is updated regularly to reflect the key policy decisions and guidelines
- Near to home, COVID Vaccination Centres (NHCVC) for Elderly and Differently Abled Citizens

Vaccination drive has been monitored at various stages by the National, State and District Task Force, as per the monitoring mechanism suggested in operational guidelines of COVID-19 vaccination drive. The key points which are discussed in the monitoring and review meetings include vaccination coverage status, AEFI reported and reviewed, vaccine wastage, vaccine availability and utilization, supply chain issues, policy decisions regarding COVID vaccination drive etc.

# Progress of Vaccination Drive

India started COVID-19 vaccination in the country from 16<sup>th</sup> January 2021.

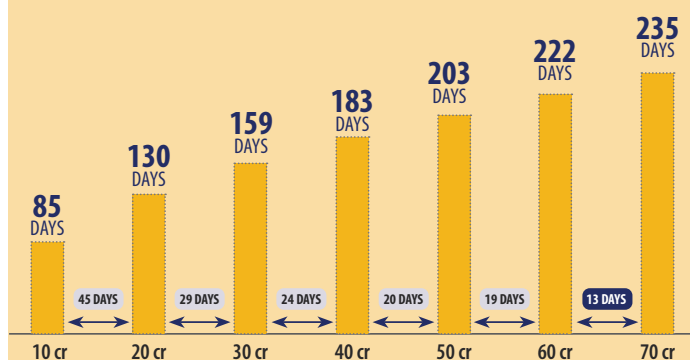
The Day 1 witnessed vaccination of the highest number of beneficiaries covered anywhere in the world on the first day. The vaccination drive in our country has also been the **fastest in the world to achieve 1, 2, 3, 4, 5, 6, 7, 10 million vaccinations.**

Around **244,310 COVID-19 Vaccination Centres (CVCs)** are functional in the country providing equitable access to COVID-19 vaccination in a citizen friendly manner. All citizens irrespective of their income status are entitled to free vaccination. Those who have the ability to pay are encouraged to use private hospital's vaccination centres.



## Continued increase in the pace of Vaccination

(As on 8<sup>th</sup> Sept, 21)



## Major milestones achieved



27<sup>th</sup> August 2021

**10.3**  
million

**vaccine doses administered in a single day**

31<sup>st</sup> August 2021

**13.3**  
million

More than

**751**  
million

**COVID-19 vaccination doses** have been administered in India which is amongst the **highest in the world**, as on 13<sup>th</sup> September 2021

More than

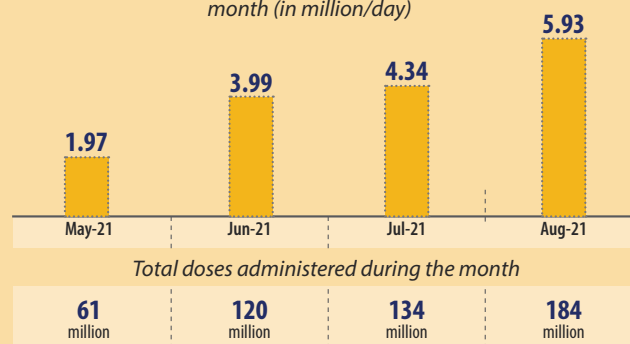
**181**  
million

**Beneficiaries have completed the two dose** schedule of COVID-19 vaccines being used in the country.



## Average Daily Vaccination rate (in million doses/day)

Average doses administered during the month (in million/day)



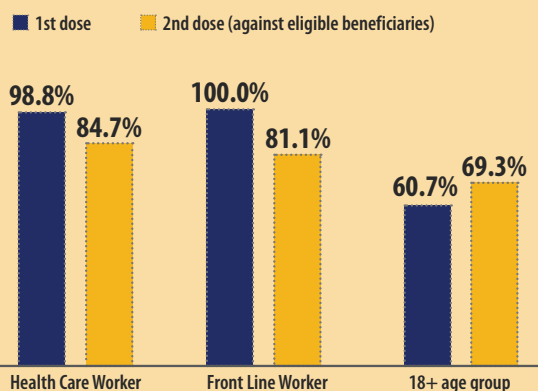
The average daily vaccination rate in the month of August 2021 was **5.93 million vaccinations.**





### Population covered through vaccination in age groups (in percentage)

(As on 13<sup>th</sup> Sept, 21)

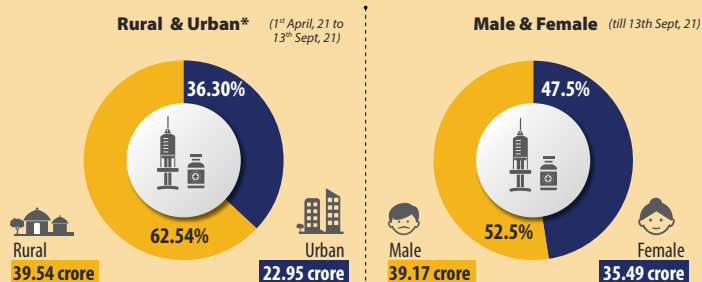


Coverage of 1<sup>st</sup> dose is against Total estimated/registered population;  
Coverage of 2<sup>nd</sup> dose is against eligible beneficiaries

Presently, **about 60.7% of the adult population** in the country has received **at least one dose** of COVID-19 vaccine.

### Total vaccinations as per Gender and Locale

(As on 13<sup>th</sup> Sept, 21)



**Note:** A total of 73.44 lakh doses (approx. 1.16%) have been administered at CVCs not tagged as Rural/Urban.

**Note:** A total of 1,61,600 (approx. 0.02%) 'Other' gender have also received vaccines during this period.

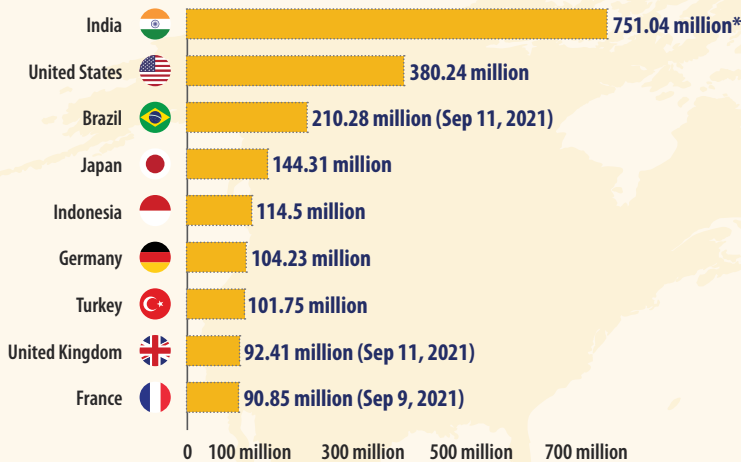
\* Doses administered are reported based on the location of CVC.

All efforts are underway and regular monitoring of the National COVID-19 Vaccination Programme is being done to ensure that there is no disparity in access to vaccination for beneficiaries based on any socio-economic parameter.

## Total COVID-19 vaccine doses administered

Our World  
in Data

For vaccines that require multiple doses, each individual dose is counted. As the same person may receive more than one dose, the number of doses can be higher than the number of people in the population



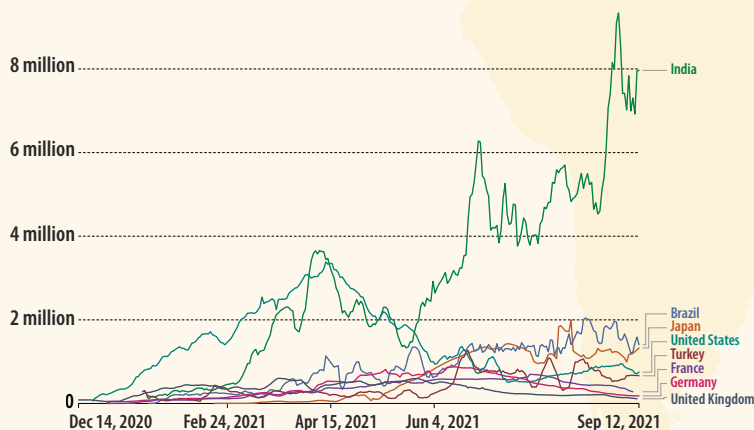
Source: Official data collated by Our World in Data - Last updated 13 September 2021, 09:20 (London time) OurWorldinData.org/coronavirus · CC BY

\*India data sourced from Co-WIN portal as on 13<sup>th</sup> September 6:00 PM IST

## Daily COVID-19 vaccine doses administered

Our World  
in Data

Shown is the rolling 7-day average. For vaccines that require multiple doses, each individual dose is counted



Source: Official data collated by Our World in Data - Last updated 13 September 2021, 09:20 (London time) OurWorldinData.org/coronavirus · CC BY

The  
average  
rate of  
vaccinations  
in India  
is amongst the  
highest in the  
world.



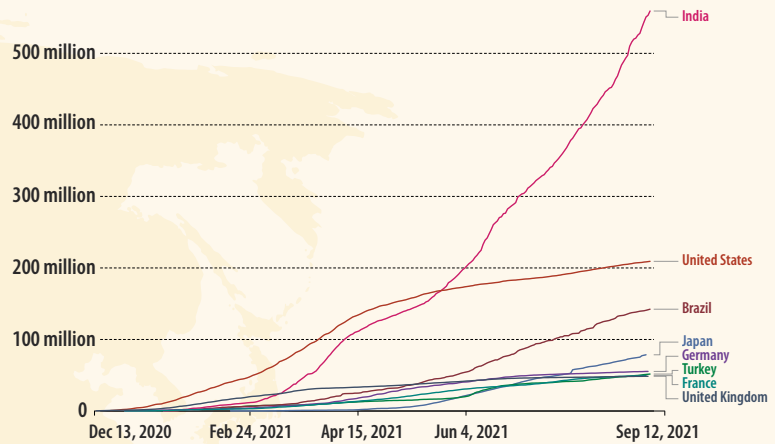


The number of **people who have received at least one dose of COVID-19 vaccine in India** and the number of people who have completed the vaccination schedule is **highest in the world**.

## Number of people who received at least one dose of COVID-19 vaccine

Our World in Data

Total number of people who received at least one vaccine dose

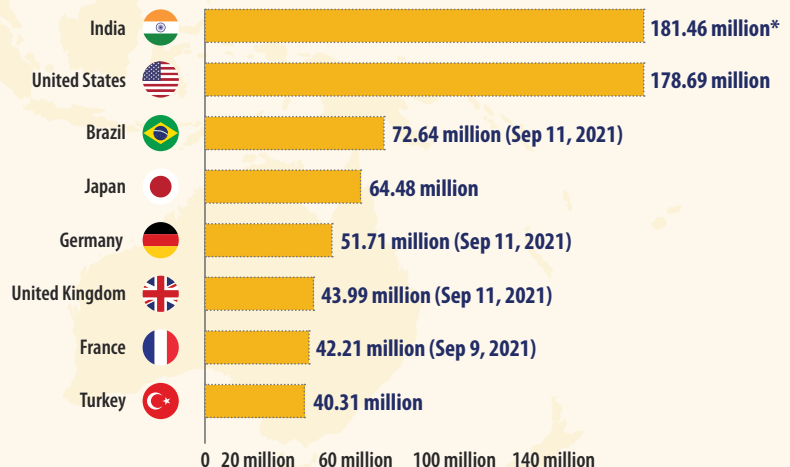


Source: Official data collated by Our World in Data – Last updated 13 September 2021, 09:20 (London time) [OurWorldinData.org/coronavirus](https://OurWorldinData.org/coronavirus) · CC BY

## Number of people fully vaccinated against COVID-19

Our World in Data

Total number of people who received all doses prescribed by the vaccination protocol



Source: Official data collated by Our World in Data - Last updated 13 September 2021, 09:20 (London time)

Note: Alternative definitions of a full vaccination, e.g. having been infected with SARS-CoV-2 and having 1 dose of a 2-dose protocol, are ignored to maximize comparability between countries. [OurWorldinData.org/coronavirus](https://OurWorldinData.org/coronavirus) · CC BY

\*India data sourced from Co-WIN portal as on 13<sup>th</sup> September 6:00 PM IST

# Surveillance for Adverse Events Following Vaccination



The AEFI surveillance system under UIP has been strengthened for COVID-19 AEFI management and reporting by inclusion of experts like cardiologists and neurologists in AEFI Committees at various levels, revision in contents of AEFI and Anaphylaxis kits, training of alternate vaccinators on Anaphylaxis kit, frequent Committee meetings, etc.

Minor, severe and serious AEFIs which occur after COVID-19 vaccinations can be reported by vaccinators and district immunization officers directly on the Co-WIN app. Health workers and doctors in public health facilities and the private hospitals report minor adverse events and also any death or hospitalization after vaccination. In addition to entering the data related to the AEFI, related investigation forms and hospital records, etc. can also be uploaded on the app.







