

COVID-19 VACCINE

7.8 billion total people to be vaccinated

4.7 billion
People to be vaccinated for herd immunity***

162
vaccine candidates in pre-clinical trials

2.2 billion Adults at severe risk of infection

2.3 million Total vaccine doses administered****

52 vaccine candidates in clinical trials

3.7 billion
People are willing to take the vaccine

2 billion doses COVAX will be provided in 2021

13 vaccine candidates in phase 3 Top 5 hoarders of COVID 19 vaccines

Potential does nurchases. Confirmed does not



OM 200M 400M 600M 800M 1000M 1200M 1400M 1600M 1800M 2000M 2200M 2400M 2600M

Explanation: *EU: 27 countries of the European Union; **Latin America bloc: all countries in the region, except Brazil; ***at least 60% population needs to be vaccinated for herd immunity. The companies are providing to their home countries too. ****as of December 22, 2020; Covax is a global body which would supply to most countries in the world

Source: London School of Hygiene & Tropical Medicine Vaccine Centre, Duke Global Health Innovation Center, www.bloomberg.com, www.ourworldindata.org, www.who.int; www.pib.nic.in; https://www.bmj.com/content/371/bmj.m4704

THE INDIAN VACCINE BAZAAR

Seven vaccines are in various stages of clinical trials on humans in India. The vaccine industry is working on both international and domestic vaccine candidates

Covishield (chimpanzee adenovirus platform)
SII + AstraZeneca
Phase 2/3
Applied for EUA

Covaxin

(inactivated virus) **Bharat biotech + ICMR**Phase 3

Applied for EUA

ZyCoV-D (DNA vaccine)

Cadilla healthcare +
dept of biotechnology
Phase 2

Sputnik V (human adenovirus vaccine) Dr. Reddy's Lab + Gamaleya National Centre phase 3 about to begin

NVX-CoV2373

(protein subunit)
SII + Novavax
phase 3 under
consideration

COVID-19 vaccine

(recombinant protein antigen based vaccine) **Biological E** Phase 1 and 2

HGCO 19

(mRNA based vaccine)
Gennova + HDT USA
phase 1 and 2 human
trials approved

