

PRESENTATION

The Vaccine Rollout in Numbers

13.58 billion COVID-19 doses given worldwide, from the Our World in Data vaccinations file (last update August 2024).



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OVERVIEW

How Fast It Moved

The world went from zero to **9.18 billion doses** in about a year. Most of the people who would ever get a first dose got it by the end of 2022.

Explore the **4 core pillars** that define this topic — each backed by research and real-world insight.

01

30 June 2021

KEY

3.11 billion doses given; 23.3% of people had at least one dose.

02

27 June 2021

CORE

Peak day for the 7-day average: 43.7 million doses a day.

03

31 December 2021

FOCUS

9.18 billion doses; 57.2% had at least one dose.

04

31 December 2022

IMPACT

13.17 billion doses; 69.0% had at least one dose.

People with at least one dose

Latest reported value per country, share of population.

[↑ Key Metrics](#)

88.1%

BRAZIL

Highest of the four countries shown.

▲ 81.8% fully vaccinated, March 2023

84.5%

JAPAN

Almost everyone with one dose finished the course.

▲ 83.4% fully vaccinated, May 2023

72.5%

INDIA

2.21 billion doses, second only to China's 3.49 billion.

▲ 67.2% fully vaccinated, August 2024

42.9%

NIGERIA

Less than half the population reached.

▲ 37.2% fully vaccinated, November 2023

▮ The world average is 70.6% with one dose, but Africa as a whole sits at 38.9%.



Key Insight

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How We Built This Deck

01

Get the file

Downloaded vaccinations.csv from the OWID covid-19-data GitHub repo.

- ▶ One row per location per day
- ▶ Countries plus regions like Africa
- ▶ Data runs to 14 August 2024
- ▶ About 14 MB of CSV

02

Pick the columns

Used total doses and two coverage columns.

- ▶ total_vaccinations
- ▶ people_vaccinated_per_hundred
- ▶ people_fully_vaccinated_per_hundred
- ▶ daily_vaccinations (7-day average)

03

Take the latest value

Countries stopped reporting at different dates.

- ▶ Last non-empty row per country
- ▶ Report the date with each figure
- ▶ No gap filling or estimates
- ▶ World row used for totals

04

Find the milestones

Read the World row at fixed dates.

- ▶ Mid 2021
- ▶ End of 2021
- ▶ End of 2022
- ▶ Peak daily average

What the Numbers Say

The rollout was fast where supply arrived early. Brazil and Japan passed 80% coverage, and India gave more than 2.2 billion doses.

The gap is the story for the next pandemic plan. Africa reached 38.9% with one dose, roughly half the world average of 70.6%.

