

# Vaccinations

## Description:

State-by-state data on United States COVID-19 vaccinations. This data is updated daily by the United States Centers for Disease Control and Prevention.

## Variables:

**location:** name of the state or federal entity.

**date:** date of the observation.

**total\_vaccinations:** total number of doses administered. This is counted as a single dose, and may not equal the total number of people vaccinated, depending on the specific dose regime (e.g. people receive multiple doses). If a person receives one dose of the vaccine, this metric goes up by 1. If they receive a second dose, it goes up by 1 again.

**total\_vaccinations\_per\_hundred:** total vaccinations per 100 people in the total population of the state.

**daily\_vaccinations\_raw:** daily change in the total number of doses administered. It is only calculated for consecutive days. This is a raw measure provided for data checks and transparency, but we strongly recommend that any analysis on daily vaccination rates be conducted using `daily_vaccinations` instead.

**daily\_vaccinations:** new doses administered per day (7-day smoothed). For countries that don't report data on a daily basis, we assume that doses changed equally on a daily basis over any periods in which no data was reported. This produces a complete series of daily figures, which is then averaged over a rolling 7-day window. An example of how we perform this calculation can be found [here](#).

**daily\_vaccinations\_per\_million:** `daily_vaccinations` per 1,000,000 people in the total population of the state.

**people\_vaccinated:** total number of people who received at least one vaccine dose. If a person receives the first dose of a 2-dose vaccine, this metric goes up by 1. If they receive the second dose, the metric stays the same.

**people\_vaccinated\_per\_hundred:** `people_vaccinated` per 100 people in the total population of the state.

**people\_fully\_vaccinated:** total number of people who received all doses prescribed by the vaccination protocol. If a person receives the first dose of a 2-dose vaccine, this metric stays the same. If they receive the second dose, the metric goes up by 1.

**people\_fully\_vaccinated\_per\_hundred:** `people_fully_vaccinated` per 100 people in the total population of the state.

**total\_distributed:** cumulative counts of COVID-19 vaccine doses recorded as shipped in CDC's Vaccine Tracking System.

**total\_distributed\_per\_hundred:** cumulative counts of COVID-19 vaccine doses recorded as shipped in CDC's Vaccine Tracking System per 100 people in the total population of the state. `share_doses_used`: share of vaccination doses administered among those recorded as shipped in CDC's Vaccine Tracking System.

## Code to Import:

```
library(readr)

vaccinations <- read_csv("vaccinations.csv")
```

## References/Link

Mathieu, E., Ritchie, H., Ortiz-Ospina, E. et al. A global database of COVID-19 vaccinations. Nat Hum Behav (2021). <https://doi.org/10.1038/s41562-021-01122-8>