COVID-19 Vaccination: Selected U.S. Data Sources

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The sources below can help congressional staff track the progress of the U.S. COVID-19 vaccination campaign at the national, state, and local levels.

Sources were selected for having commonly cited and frequently requested data. This list is not intended to be comprehensive. Additional sources may be added in future updates. Because different resources use different methodologies, readers should check websites' notes, definitions, and caveats. Readers should also use caution when comparing data across sources or geographies. For assistance in interpreting or analyzing these data, congressional staff should contact CRS (202-707-5700, or place a request at the CRS website).

For an overview of vaccine data systems and considerations for Congress, see CRS Insight IN11584, *Tracking COVID-19 Vaccines: U.S. Data Systems and Related Issues*.

The Centers for Disease Control and Prevention's (CDC's) COVID-19 Vaccine website can assist constituents with questions, including "How Do I Find a Vaccine?"

Example data sources on public attitudes toward vaccination include Census Bureau (HHS analysis), University of Southern California, Kaiser Family Foundation, Carnegie Mellon University, AP-NORC, University of Minnesota, Pew, and scholarly articles.

About Vaccine Data

In the COVID-19 vaccine program, doses are first *allocated* and made available to states and other jurisdictions for ordering. Once ordered, vaccines are *delivered* (i.e., distributed) to the appropriate state and jurisdictional sites. States then follow a subsequent allocation and distribution pattern to health departments, health care systems, and multi-county entities within their jurisdictions. Doses are then *administered* to patients by these providers that report administration data to jurisdictions and CDC. (See CDC's How COVID-19 Vaccines Get to You.) Federal health care programs (e.g., Indian Health Service) manage and report vaccine data through a similar process.

Congressional Research Service

https://crsreports.congress.gov

IN11595

Two of the vaccines currently approved, Pfizer-BioNTech and Moderna, require two doses for full effectiveness. A third, J&J/Janssen, is a single-dose vaccine (as of this writing, the use of this vaccine is paused).

CDC Sources

CDC's COVID Data Tracker tracks delivery and administration of doses as well as numbers and percentages of people vaccinated. Doses per capita and percentage vaccinated are provided for the total population and populations aged 18+ and 65+ at the national and state levels. Some data are available by county, and by federal entity (i.e., Bureau of Prisons, Department of Defense, Indian Health Service, and Veterans Health Administration). CDC also has state vaccine allocation spreadsheets.

Non-CDC Sources

Non-CDC sources provide different visualizations and analyses of CDC vaccine data and incorporate data from state and other jurisdiction-specific sources.

Bloomberg provides visualizations of CDC data, "people covered" by administered doses, demographic data from state and local agencies, and international data. Some links require a free account.

Covid Act Now tracks the percentage of people vaccinated. State-level data are from CDC, supplemented by metro and county dashboards where available.

Johns Hopkins University & Medicine (JHU) provides state-level data from CDC and Centers for Civic Impact. JHU also tracks international data.

Kaiser Family Foundation publishes race and ethnicity data, compiled from state agency websites.

New York Times (*NYT*) provides visualizations of CDC data.

Washington Post provides data from CDC and states, and estimates the share of eligible people who have been vaccinated.

Links to state data dashboards have been compiled by CDC (click map). Some state dashboards also track local data.

Vaccination Data Sources

Table 1 links to websites containing specific vaccination statistics.

Table 1. Vaccination Data
(links to selected resources)

Measure	National and State Data (unless otherwise noted)
Doses allocated	
Number	CDC
	Kaiser Family Foundation
Doses delivered	
Number	CDC
	NYT
	Washington Post (national)

Measure	National and State Data (unless otherwise noted)
Per capita	CDC
By vaccine type (J&J/Janssen, Moderna, Pfizer-BioNTech)	CDC (download Data Table for state)
By channel (channels include, e.g., jurisdictions, retail pharmacy program, renal dialysis program, health centers program, FEMA community vaccination centers)	CDC (state)
Doses administered	
Number	CDC Bloomberg JHU *NYT* ("Shots given")
Per capita	CDC
People covered by administered doses[a]	Bloomberg
Per day (daily count and 7-day rolling average, trend)	CDC (national) Bloomberg *NYT* (national) *Washington Post*
By vaccine type	CDC (download Data Table for state)
Percentage of delivered doses that have been administered	CDC (first doses) CDC (see "Administration Ratio: Overall Adjusted," by state)[b] Bloomberg ("Supply used") *NYT* ("Doses used")
People vaccinated	
People who received ≥1 dose (number)	CDC (also national trend chart) *Washington Post*
People who received ≥1 dose (percentage of population)	CDC Bloomberg Covid Act Now (search city, county, or state then scroll to "Percent Vaccinated" for trend chart) *NYT* *Washington Post*
People fully vaccinated[c] (number)	CDC (also national trend chart and county) JHU *Washington Post*
People fully vaccinated[c] (percentage of population)	CDC (also county) Bloomberg Covid Act Now (search city, county, or state then scroll to "Percent Vaccinated" for trend chart) JHU *NYT* (also county) *Washington Post* (also county)

People fully vaccinated, by vaccine type	CDC (download Data Table for state)
Demographics[d]	CDC (race/ethnicity, sex, age; also age trends; national)
	CDC (number and percentage of aged 65+ vaccinated; also county)
	Bloomberg (race/ethnicity; state)
	Kaiser Family Foundation (race/ethnicity; state)
	NYT (percentage of aged 65+ vaccinated, county)
	Washington Post (percentages of race, ethnicity, and age groups that have been vaccinated, trend, national)
Nursing homes/assisted living	
Federal Pharmacy Partnership for Long-Term Care Program	CDC (also national trend chart under "Select program")

Source: CRS based on data sources as of April 14, 2021.

Note: Some sources report similar data, but with different visualizations and analysis.

a. "People covered" is a figure calculated by Bloomberg to facilitate international comparisons.

b. "The adjusted metric is the standard being used to assess administration ratios for the US COVID-19 Vaccination Program. Interpretation of these metrics for remote jurisdictions (e.g., territories, Hawaii, Alaska) should be done with caution, as they have different delivery schedules than jurisdictions located in the continental United States." (CDC)

c. People "fully vaccinated" are those who have received the second dose of a two-dose vaccine or one dose of a single-shot vaccine. (CDC)

d. Not all states report demographics.

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