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

Updated May 25, 2021

The sources below can help congressional staff track the progress of the U.S. Coronavirus Disease 2019 (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, 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.

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.

Congressional Research Service

https://crsreports.congress.gov

IN11595

CDC Sources

CDC's COVID Data Tracker provides data on doses and people vaccinated. Doses per capita and percentage vaccinated are provided for the total population and for populations aged 12+, 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 data on international vaccination efforts.

Non-CDC Sources

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

- Bloomberg (some links require a free account, also international data)
- Covid Act Now
- Johns Hopkins University & Medicine (JHU) (also international data)
- Kaiser Family Foundation
- *New York Times* (*NYT*)
- *Washington Post*

Race and ethnicity data from state agency websites are compiled by American Public Media Research Lab (APM), Kaiser Family Foundation, and Bloomberg.

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[a]	CDC Kaiser Family Foundation
Doses delivered	
Number	CDC NYT Washington Post (national)
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)

Measure	National and State Data (unless otherwise noted)
Doses administered	
Number	CDC
	Bloomberg
	JHU
	NYT ("Shots given")
Per capita	CDC
People covered by administered doses[b]	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)[c]
	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[d] (number)	CDC (also national trend chart and county)
	JHU
	Washington Post
People fully vaccinated[d] (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[d] by vaccine type	CDC (download Data Table for state)

Measure	National and State Data (unless otherwise noted)
Demographics[e]	CDC (race/ethnicity, sex, age; also trends; national)
	CDC (number and percentage of aged 65+ vaccinated; also county)
	APM (race/ethnicity)
	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[f]	CDC (also national trend chart under "Select program")

Source: CRS based on data sources as of May 25, 2021.

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

a. Tables have federal allocations to jurisdictions. Tables do not reflect other channels such as the retail pharmacy program or health centers program.

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

c.   "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)

d. "Fully vaccinated" people have received the second dose of a two-dose vaccine or one dose of a single-shot vaccine. (CDC)

e. Not all states report demographics.

f. The Pharmacy Partnership for LTC Program ended April 23, 2021. According to Centers for Medicare & Medicaid Services (CMS), vaccination data reported by LTC facilities will be posted in the future at COVID-19 Nursing Home Data (data are not yet posted as of this writing).

Author Information

Ada S. Cornell
Senior Research Librarian

Angela Napili
Senior Research Librarian

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