

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

Updated July 29, 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. Because different resources use different methodologies, readers should check websites' notes and caveats, and 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 CRS's website).

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

Centers for Disease Control and Prevention's (CDC's) [COVID-19 Vaccine](#) website can assist constituents with questions, including "How do I find a free vaccine?"

Example data sources on public attitudes toward vaccination include [CDC](#), [Census Bureau \(HHS analysis\)](#), [Kaiser Family Foundation](#), [Carnegie Mellon University](#), [University of Washington](#), [AP-NORC](#), 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, doses are *delivered* to appropriate state and jurisdictional sites. States then allocate and distribute doses to health departments, health care systems, pharmacies, and multi-county entities, which can further re-allocate to local clinical sites. Providers then *administer* doses to patients and report administration data to jurisdictions and CDC. (See CDC's [How COVID-19 Vaccines Get to You](#) and [About COVID-19 Vaccine Delivered and Administration Data](#)). Federal health care programs (e.g., Veterans Health Administration) manage vaccine data through a similar process.

Two of the vaccines currently authorized for emergency use, Pfizer-BioNTech and Moderna, are given in two doses. A third, J&J/Janssen, is a single-dose vaccine.

Congressional Research Service

<https://crsreports.congress.gov>

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CDC Sources

CDC provides data on doses and people vaccinated, for the total population and populations aged 12+, 18+, and 65+. Some data are available by [federal entity](#) (Bureau of Prisons, Department of Defense, Indian Health Service, and Veterans Health Administration). CDC also tracks [hospitalized or fatal vaccine breakthrough infections](#). CDC [continues to study](#) vaccine effectiveness in real-world conditions.

Non-CDC Sources

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

- [Bloomberg](#) (may require free account)
- [Covid Act Now](#) (and [Harvard analysis with congressional district estimates](#))
- [Johns Hopkins University & Medicine \(JHU\)](#)
- [Kaiser Family Foundation \(KFF\)](#)
- [New York Times \(NYT\)](#) (subscription required)
- [Washington Post \(WP\)](#)

[Centers for Medicare & Medicaid Services \(CMS\)](#) posts nursing home-reported data.

[CDC](#) (click map) compiles links to state dashboards, which may 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	State	Local
Doses allocated			
Number ^a	KFF	CDC KFF	
Doses delivered			
Number	CDC NYT WP	CDC NYT	
Per capita		CDC	
By vaccine type (J&J/Janssen, Moderna, Pfizer-BioNTech)	CDC	CDC (download Data Table)	
By channel (channels include, e.g., jurisdictions, retail pharmacy program , health centers program , FEMA community vaccination centers)		CDC	

Measure	National	State	Local
Doses administered			
Number	CDC (also trend , and trend alongside cases or deaths) ^b Bloomberg JHU NYT	CDC Bloomberg JHU NYT	Harvard (congressional district)
Per capita		CDC	
People covered by administered doses, trend ^c	Bloomberg	Bloomberg	
Per day (daily count and 7-day average, trend)	CDC (also 7-day average trend alongside cases or deaths) ^b Bloomberg KFF ^d NYT WP	Bloomberg KFF ^d WP	
By vaccine type	CDC NYT (trend)	CDC (download Data Table)	
Percentage of delivered doses that have been administered	Bloomberg (“Supply used”) NYT (“Doses used”)	CDC (first doses) CDC (see “Administration Ratio: Overall Adjusted”) ^e Bloomberg (“Supply used”) NYT (“Doses used”)	
People vaccinated			
People who received ≥1 dose (number)	CDC (also trend , and 7-day average trend alongside cases or deaths) ^b WP	CDC WP	CDC (county) Harvard (congressional district)
People who received ≥1 dose (percentage)	CDC Bloomberg Covid Act Now NYT (also trend) WP	CDC Bloomberg Covid Act Now ^f NYT (also trend) WP	CDC (county) Covid Act Now (city, county) ^f Harvard (congressional district)
People fully vaccinated ^g (number)	CDC (also trend and 7-day average trend alongside cases or deaths) ^b JHU WP	CDC JHU WP	CDC (county) Harvard (congressional district)

Measure	National	State	Local
People fully vaccinated ^g (percentage)	CDC Bloomberg JHU NYT WP	CDC Bloomberg Covid Act Now^f JHU NYT WP	CDC (county; also case rates map) Covid Act Now (city, county) ^f Harvard (congressional district) NYT (county) WP (county)
People fully vaccinated ^g by vaccine type	CDC	CDC (download Data Table)	
Demographics ^h	CDC (race/ethnicity, sex, age; also trends) CDC (aged 65+) CDC (trends by age, alongside cases) KFF (race/ethnicity) NYT (age) WP (race/ethnicity, age trends)	CDC (aged 65+) Bloomberg (race/ethnicity) KFF (race/ethnicity) NYT (age)	CDC (aged 65+, county) CDC (social vulnerability, county) NYT (aged 65+, county)
Nursing homes			
Percent of residents and staff fully vaccinated	CMS	CMS	CMS (facility-level data in “Search for a nursing home”)

Source: CRS based on sources as of July 29, 2021.

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

- Tables reflect federal allocations to jurisdictions, not other channels such as the [retail pharmacy program](#).
- See “View (right axis).”
- “‘People covered’ divides the doses administered for each vaccine type by the number of doses required for full vaccination.”([Bloomberg](#))
- Click “Vaccines”: “Daily.” For “Select Metric,” one can choose “Daily total vaccines administered” or “Daily vaccines administered by [1st or 2nd] dose.”
- “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](#))
- Search state, city, or county, then scroll to “% Vaccinated” for trend.
- “Fully vaccinated” people have received the second dose of a two-dose vaccine or one dose of a single-shot vaccine. ([CDC](#))
- Not all states report demographics.

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