



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

Updated December 7, 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. For help interpreting or analyzing these data, congressional staff should contact CRS (202-707-5700, or place an online request).

For an overview of considerations for Congress, see CRS Insight IN11584, *Tracking COVID-19 Vaccines: U.S. Data Systems and Related Issues*. For international sources see CRS Insight IN11732, *International COVID-19 Data and Vaccine Distribution: Selected Resources*.

Centers for Disease Control and Prevention's (CDC's) [Vaccines for COVID-19](#) can assist constituents with questions about the vaccines.

Example sources on public attitudes toward vaccination include [CDC's National Immunization Survey](#) and [State of Vaccine Confidence Insights Report](#), [Census Bureau](#), [Kaiser Family Foundation](#), [Carnegie Mellon University](#), [Johns Hopkins](#), 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* (distributed) to appropriate state and jurisdictional sites. States then allocate and deliver 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.

Comirnaty (the Pfizer-BioNTech COVID-19 vaccine) is [approved](#) as a two-dose vaccine for ages 16+. Comirnaty is also [authorized](#) for uses that fall outside the scope of its approval—that is, as a two-dose

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regimen in individuals aged 5-15 (with a lower dose authorized for children 5-11), as a third dose for certain immunocompromised individuals aged 12+, and as a single booster dose to be given at least six months after the primary series in individuals aged 18+. For more information, see CRS Report R46913, *FDA Approval of the Pfizer-BioNTech COVID-19 Vaccine: Frequently Asked Questions*.

Vaccines manufactured by Moderna (a two-dose vaccine) and J&J/Janssen (a single-dose vaccine) are currently [authorized](#) for emergency use for ages 18+. The Moderna vaccine is also authorized as a third dose for certain immunocompromised individuals 18+ and as a single booster dose (half dose) to be given at least six months after the primary series in individuals 18+. FDA has also authorized a single J&J/Janssen booster dose to be given at least two months after a first dose. Any of the available vaccines can be used as a “mix and match” [booster dose](#) in eligible individuals.

CDC Sources

CDC provides data on doses and people vaccinated. Some aggregated national data are available for [federal entities](#) (Bureau of Prisons, Department of Defense, Indian Health Service, and Veterans Health Administration; see “Data Table”). CDC also tracks [rates of COVID-19 cases, deaths, and hospitalizations](#) by vaccination status. CDC [continues to study](#) vaccine effectiveness in real-world conditions.

[CDC](#) (click map) compiles links to state dashboards, which may also track local data.

Non-CDC Sources

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

- [Bloomberg](#)
- [Covid Act Now](#) (and [Harvard analysis with congressional district estimates](#) as of September 2021)
- [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. The [Health Resources & Services Administration \(HRSA\)](#) posts data on the [Health Centers Vaccination Program](#).

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 delivered			
Number	CDC NYT	CDC NYT	—

Measure	National	State	Local
Per capita	—	CDC	—
By vaccine type (J&J/Janssen, Moderna, Comirnaty/Pfizer-BioNTech)	CDC	CDC (download Data Table)	—
Doses administered			
Number	CDC (also trend) Bloomberg JHU NYT	CDC (also trend) Bloomberg JHU NYT	Harvard (congressional district) ^a
Per capita	CDC (download Data Table) Bloomberg	CDC Bloomberg	—
Per day (daily count and 7-day average, trend)	CDC ^b Bloomberg KFF ^c NYT WP	CDC ^b Bloomberg KFF ^c NYT 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”)	Bloomberg (“Supply used”) NYT (“Doses used”)	—
People vaccinated			
People who received ≥1 dose (number)	CDC (also trend) ^b	CDC (also trend) ^b	CDC (county) CDC (CBSA) ^d Harvard (congressional district) ^a
People who received ≥1 dose (percentage)	CDC Bloomberg Covid Act Now NYT (also trend)	CDC Bloomberg Covid Act Now ^e NYT (also trend)	CDC (county) CDC (CBSA) ^d Covid Act Now (county, metro area) ^e Harvard (congressional district) ^a
People fully vaccinated ^f (number)	CDC (also trend) ^b JHU (see “People fully vaccinated”) WP	CDC (also trend) ^b JHU WP	CDC (county) CDC (CBSA) ^d Harvard (congressional district) ^a
People fully vaccinated ^f (percentage)	CDC Bloomberg JHU NYT WP	CDC Bloomberg Covid Act Now ^e JHU NYT WP	CDC (county, also case rates and testing positivity map) CDC (CBSA) ^d Covid Act Now (county, metro area) ^e Harvard (congressional district) ^a NYT (county) WP (county)

Measure	National	State	Local
People fully vaccinated ^f by vaccine type	CDC	CDC (download Data Table)	—
People who received additional (including booster) doses	CDC ^g (also trend) Bloomberg WP	CDC ^g (download Data Table) Bloomberg WP	—
Demographics ^h	CDC (race/ethnicity, sex, age; also trends) CDC (aged 65+) CDC (trends by age, alongside cases) CDC (disability status and age, race/ethnicity) CDC (pregnant people by race/ethnicity, trend) CDC (urban/rural, trend) KFF (race/ethnicity) NYT (age) WP (race/ethnicity, age trends) HRSA (race/ethnicity, health centers program)	CDC (aged 65+) CDC (urban/rural, trend) Bloomberg (race/ethnicity) KFF (race/ethnicity) NYT (age) HRSA (race/ethnicity, health centers program)	CDC (age, county and CBSA ^d) CDC (aged 65+, county) CDC (social vulnerability, urban/rural, county) NYT (aged 65+, county)
Nursing homes			
Percent of residents and staff vaccinated	CDC (trend) CMS	CDC (trend) CMS	CMS (facility-level data in “Search for a nursing home”) Medicare.gov (facility-level data; search for a nursing home)

Source: CRS based on sources as of December 1, 2021.

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

- a. Data were last updated September 2021 but may be of historical interest.
- b. See also [7-day average trend alongside cases or deaths](#), see “View (right axis).”
- c. Click “Vaccines”: “Daily.”
- d. Scroll to Excel spreadsheets under “Attachments.” Metropolitan and Micropolitan Statistical Areas are collectively known as Core-Based Statistical Areas (CBSAs).
- e. Search state, city, or county, then scroll to “% Vaccinated” for trend.
- f. As defined in these data sources, “fully vaccinated” people have received the second dose of a two-dose vaccine or one dose of a single-shot vaccine ([CDC](#)).
- g. Includes number, percentage, and by vaccine type.
- h. [Not all states report demographics on vaccine recipients.](#)

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