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

Updated August 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. Because different resources use different methodologies, readers should check websites' notes and caveats, and use caution when comparing data. 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) Vaccines for COVID-19 website can assist constituents with questions about the vaccine and how to get vaccinated.

Example data sources on public attitudes toward vaccination include CDC's National Immunization Survey and State of Vaccine Confidence Insights Report, Census Bureau (HHS analysis), Kaiser Family Foundation, Carnegie Mellon University, University of Washington, 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* (i.e., 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 (formerly known as the Pfizer-BioNTech COVID-19 vaccine) is approved as a two-dose vaccine for individuals aged 16+. Comirnaty remains authorized for emergency use only for individuals

aged 12-15. Vaccines manufactured by Moderna (a two-dose vaccine) and J&J/Janssen (a single-dose vaccine) are currently authorized for emergency use for individuals aged 18+. An additional dose of the Moderna and Comirnaty/Pfizer-BioNTech vaccines is authorized for certain immunocompromised individuals.

CDC Sources

CDC provides data on doses and people vaccinated, for the total population and populations aged 12+, 18+, and 65+. 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 hospitalized or fatal vaccine breakthrough infections. 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)
- 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.

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, Comirnaty/Pfizer-BioNTech)	CDC	CDC (download Data Table)	

Measure	National	State	Local
By channel (channels include, e.g., jurisdictions, retail pharmacy program, health centers program, FEMA community vaccination centers)		CDC	
Doses administered			
Number	CDC (also trend) Bloomberg JHU *NYT*	CDC (also trend) Bloomberg JHU *NYT*	Harvard (congressional district)
Per capita		CDC	
Per day (daily count and 7-day average, trend)	CDC[b] Bloomberg KFF[c] *NYT* *WP*	CDC[b] Bloomberg KFF[c] *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") Bloomberg ("Supply used") *NYT* ("Doses used")	
People vaccinated			
People who received ≥1 dose (number)	CDC (also trend)[b] *WP* (also trend)	CDC (also trend)[b] *WP* (also trend)	CDC (county) CDC (CBSA)[d] Harvard (congressional district)
People who received ≥1 dose (percentage)	CDC Bloomberg Covid Act Now *NYT* (also trend) *WP*	CDC Bloomberg Covid Act Now[e] *NYT* (also trend) *WP*	CDC (county) CDC (CBSA)[d] Covid Act Now (city, county)[e] Harvard (congressional district)
People fully vaccinated[f] (number)	CDC (also trend)[b] JHU *WP*	CDC (also trend)[b] JHU *WP*	CDC (county) CDC (CBSA)[d] Harvard (congressional district)

Measure	National	State	Local
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 (city, county)[e] Harvard (congressional district) NYT (county) WP (county)
People fully vaccinated[f] by vaccine type	CDC	CDC (download Data Table)	
Demographics[g]	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) KFF (race/ethnicity) NYT (age) WP (race/ethnicity, age trends)	CDC (aged 65+) Bloomberg (race/ethnicity) KFF (race/ethnicity) NYT (age)	CDC (age, county and CBSA)[d] 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 August 25, 2021.

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

a. Tables reflect federal allocations to jurisdictions, not other channels such as the retail pharmacy program.

b. See also 7-day average trend alongside cases or deaths, see "View (right axis)."

c. Click "Vaccines": "Daily."

d. Scroll to Excel spreadsheets. Metropolitan and Micropolitan Statistical Areas are collectively referred to as Core-Based Statistical Areas (CBSAs).

e. Search state, city, or county, then scroll to "% Vaccinated" for trend.

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

g. Not all states report demographics on vaccine recipients.

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