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INSIGHT

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

Updated September 30, 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

regimen in individuals aged 12-15, 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 certain 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 to be given as a third dose to certain immunocompromised individuals.

CDC Sources

CDC provides data on doses and people vaccinated, for the total population and ages 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 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
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[a] Bloomberg KFF[b] *NYT* *WP*	CDC[a] Bloomberg KFF[b] *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)[a] *WP*	CDC (also trend)[a] *WP*	CDC (county) CDC (CBSA)[c] Harvard (congressional district)
People who received ≥1 dose (percentage)	CDC Bloomberg Covid Act Now *NYT* (also trend) *WP* (also trend)	CDC Bloomberg Covid Act Now[d] *NYT* (also trend) *WP* (also trend)	CDC (county) CDC (CBSA)[c] Covid Act Now (city, county)[d] Harvard (congressional district)
People fully vaccinated[e] (number)	CDC (also trend)[a] JHU *WP*	CDC (also trend)[a] JHU *WP*	CDC (county) CDC (CBSA)[c] Harvard (congressional district)
People fully vaccinated[e] (percentage)	CDC Bloomberg JHU *NYT* *WP*	CDC Bloomberg Covid Act Now[d] JHU *NYT* *WP*	CDC (county, also case rates and testing positivity map) CDC (CBSA)[c] Covid Act Now (city, county)[d] Harvard (congressional district) *NYT* (county) *WP* (county)
People fully vaccinated[e] by vaccine type	CDC	CDC (download Data Table)	
People who received additional doses	CDC		

Measure	National	State	Local
Demographics[f]	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[c]) CDC (aged 65+, county) CDC (social vulnerability, urban/rural, county) *NYT* (aged 65+, county)
Nursing homes			
Percent of residents and staff vaccinated	CMS CDC (trend)	CMS CDC (trend)	CMS (facility-level data in "Search for a nursing home") Medicare.gov (facility-level data)

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

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

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

b. Click "Vaccines": "Daily."

c. Scroll to Excel spreadsheets under "Attachments." Metropolitan and Micropolitan Statistical Areas are collectively known as Core-Based Statistical Areas (CBSAs).

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

e. 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).

f. Not all states report demographics on vaccine recipients.

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