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

Updated June 23, 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, 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*.

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, 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 the appropriate state and jurisdictional sites. States then allocate and distribute doses to health departments, health care systems, and multi-county entities, which can further re-allocate to local physician offices and other 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 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, for the total population and populations aged 12+, 18+, and 65+. Some data are available 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 data and incorporate data from various jurisdiction-specific sources:

- American Public Media Research Lab (APM)
- Bloomberg (some links require a free account, also international data)
- Covid Act Now (and Harvard analysis with congressional district estimates)
- Johns Hopkins University & Medicine (JHU) (also international data)
- Kaiser Family Foundation (KFF)
- *New York Times* (*NYT*)
- *Washington Post (WP)*

Centers for Medicare & Medicaid Services (CMS) posts nursing home-reported data on staff and resident vaccination status.

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	CDC	
	NYT	*NYT*	
	WP		
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, renal dialysis program, health centers program, FEMA community vaccination centers)		CDC	

Measure	National	State	Local
Doses administered			
Number	CDC Bloomberg JHU *NYT*	CDC Bloomberg JHU *NYT*	Harvard (congressional district)
Per capita		CDC	
People covered by administered doses[b]	Bloomberg	Bloomberg	
Per day (daily count and 7-day rolling average, trend)	CDC Bloomberg *NYT* *WP*	Bloomberg *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")[c] Bloomberg ("Supply used") *NYT* ("Doses used")	
People vaccinated			
People who received ≥1 dose (number)	CDC (also trend) *WP*	CDC *WP*	CDC (county) Harvard (congressional district)
People who received ≥1 dose (percentage of population)	CDC Bloomberg *NYT* (also trend) *WP*	CDC Bloomberg Covid Act Now (search state then scroll to "Percent Vaccinated" for trend) *NYT* (also trend) *WP*	CDC (county) Covid Act Now (search city or county, then scroll to "Percent Vaccinated" for trend) Harvard (congressional district)
People fully vaccinated[d] (number)	CDC (also trend) JHU *WP*	CDC JHU *WP*	CDC (county) Harvard (congressional district)
People fully vaccinated[d] (percentage of population)	CDC Bloomberg JHU *NYT* *WP*	CDC Bloomberg Covid Act Now (search state, then scroll to "Percent Vaccinated" for trend) JHU *NYT* *WP*	CDC (county) Covid Act Now (search city or county, then scroll to "Percent Vaccinated" for trend) Harvard (congressional district) *NYT* (county) *WP* (county)
People fully vaccinated[d] by vaccine type	CDC	CDC (download Data Table)	

Measure	National	State	Local
Demographics[e]	CDC (race/ethnicity, sex, age; also trends) CDC (aged 65+) APM (race/ethnicity) KFF (race/ethnicity) NYT (age) WP (race, ethnicity, and age trends)	CDC (aged 65+) APM (race/ethnicity) Bloomberg (race/ethnicity) KFF (race/ethnicity) NYT (age)	CDC (aged 65+, county) NYT (aged 65+, county)
Nursing homes			
Percent of residents and staff fully vaccinated	CMS		CMS (Search city or state in "Search for a nursing home"; click dot for facility-level data)

Source: CRS based on data sources as of June 21, 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.

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