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INSIGHT

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

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The sources below can help congressional staff track the U.S. Coronavirus Disease 2019 (COVID-19) vaccination campaign.

This list reflects selected sources of frequently requested data. Methodologies differ between sources; readers can check websites' notes and caveats for more information on how their data were collected and other important methodological concerns. For help interpreting data, congressional staff can contact CRS.

In addition to the list of vaccination data sources, information on public attitudes toward vaccination includes CDC's National Immunization Survey, COVIDVaxView, and State of Vaccine Confidence Insights Report, Kaiser Family Foundation, and a number of scholarly articles.

Vaccines.gov maps vaccination sites. Vaccine Equity Planner (Ariadne Labs) helps identify areas that lack convenient vaccine access.

About Vaccine Data

State and local jurisdictions, federal agencies, and pharmacy partners determine the number and types of doses shipped (*distributed*) to vaccination sites. Providers then *administer* doses to patients and report administration data to jurisdictions and CDC. (See CDC's COVID-19 Vaccination Data in the United States.)

FDA has approved or authorized for emergency use several COVID-19 vaccines, summarized in **Table 1**.

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Table 1. COVID-19 Vaccines Approved or Authorized by FDA

(as of October 19, 2022)

Pfizer-BioNTech	Moderna	J&J/Janssen	Novavax
Primary Series			
Monovalent vaccine: • three doses (ages 6 months through 4 years) • three doses (certain immunocompromised individuals aged 5+) • two doses (ages 5+)	Monovalent vaccine: • two doses (ages 6 months+) • three doses (certain immunocompromised individuals aged 6 months+)	One dose (ages 18+)	Two doses (ages 12+)
FDA Approval/Licensure			
Yes, monovalent vaccine approved under the name Comirnaty as a two-dose regimen for individuals 12+	Yes, monovalent vaccine approved under the name Spikevax as a two-dose regimen for individuals 18+	Not approved	Not approved
Emergency Use Authorization (EUA)			
Yes, monovalent vaccine authorized as a • three-dose primary series for ages 6 months through 4 years • two-dose primary series for ages 5+ • third dose for certain immunocompromised individuals aged 5+ Yes, bivalent vaccine authorized as a single booster for ages 5+	Yes, monovalent vaccine authorized as a • two-dose primary series for ages 6 months+ • third primary series dose for certain immunocompromised individuals aged 6 months+ Yes, bivalent vaccine authorized as a single booster for ages 6+	Yes, authorized in limited situations due to risk of serious adverse events: • single-dose primary series for ages 18+ • single booster dose for ages 18+	Yes, authorized as a • two-dose primary series for ages 12+ • single booster dose for ages 18+

Source: CRS based on FDA's *COVID-19 Vaccines*.

Notes: See FDA's *COVID-19 Vaccines* for details. *Monovalent* vaccines contain a messenger RNA (mRNA) component from the original strain of SARS-CoV-2, the virus that causes COVID-19. *Bivalent* vaccines contain two mRNA components of SARS-CoV-2, one from the original strain and one from the Omicron BA.4/BA.5 variants. The J&J/Janssen and Novavax vaccines are only available as monovalent vaccines.

CDC and FDA maintain websites on recommended regimens and booster eligibility.

Vaccination Data Sources

CDC provides data on doses and people vaccinated, and aggregated data for certain federal entities (Bureau of Prisons, Department of Defense, Indian Health Service, and Veterans Health Administration; see "Data Table"). CDC also publishes vaccine effectiveness data.

CDC (click map) compiles links to state dashboards, which may also track sub-state data.

Non-CDC sources that provide analyses of CDC data and incorporate data from jurisdiction-specific sources include the following:

- Covid Act Now (CAN)
- Health Equity Tracker (HET)

- Kaiser Family Foundation (KFF)
- Centers for Medicare & Medicaid Services (CMS)

Table 2 links to websites containing vaccination statistics.

Table 2. Links to Vaccination Data Sources

Measure	National	State	Local
Doses distributed			
Number	CDC	CDC	—
Per capita	CDC (download Data Table)	CDC	—
By vaccine type (J&J/Janssen, Spikevax/Moderna, Comirnaty/Pfizer-BioNTech, Novavax, and updated (bivalent) boosters)	CDC	CDC (download Data Table)	—
Doses administered			
Number	CDC	CDC	
Per capita	CDC (download Data Table)	CDC	—
Per day (daily count and 7-day average, trend)	CDC[a]	CDC[a]	—
By vaccine type	CDC	CDC (download Data Table)	—
Booster doses administered in last 7 days	CDC[b]	CDC[b]	—
People vaccinated			
People who received ≥1 dose (number)	CDC (also trend)[a]	CDC (also trend)[a]	CDC (county) CDC (CBSA)[b]
People who received ≥1 dose (percentage)	CDC CAN	CDC CAN[c]	CDC (county) CDC (CBSA)[b] CAN (county, metro area)[c]
People fully vaccinated[d] (number)	CDC (also trend)[a]	CDC (also trend)[a]	CDC (county) CDC (CBSA)[b]
People fully vaccinated[d] (percentage)	CDC	CDC CAN[c]	CDC (county, also case rates and testing positivity map) CDC (CBSA)[b] CAN (county, metro area)[c]
People with booster doses	CDC (also trend)	CDC (download Data Table) (also trend) CAN[c]	CDC (county) CDC (CBSA)[b] CAN (county, metro area)[c]

Measure	National	State	Local
Demographics	CDC (race/ethnicity, sex, age; also trends) CDC (aged 65+) CDC (trends by age, alongside cases) CDC[b] (people initiating vaccination or receiving booster in last 7 days, by age) CDC (disability status and age, race/ethnicity) CDC (pregnant people by race/ethnicity, trend) CDC (urban/rural, trend) HET (race/ethnicity) KFF (race/ethnicity)	CDC (sex, age, trends; also maps) CDC (aged 65+) CDC[b] (age) CDC (urban/rural, trend) CDC[b] (people initiating vaccination or receiving booster in last 7 days, by age) HET (race/ethnicity) KFF (race/ethnicity)	CDC (age, county and CBSA)[b] CDC (aged 65+, county) CDC (social vulnerability, urban/rural, county) CDC (people initiating vaccination or receiving booster in last 7 days, by age, county and CBSA)[b]
Nursing homes			
Resident/staff vaccination rates	CDC (trend) CMS	CDC (trend) CMS	CMS (facility-level data in "Search for a nursing home") Medicare.gov (facility-level data)

Source: CRS based on sources as of October 6, 2022.

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

b. See spreadsheets under "Show More": "Attachments." Metropolitan and Micropolitan Statistical Areas are collectively known as Core-Based Statistical Areas (CBSAs).

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

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

e. Includes number, percentage, vaccine type.

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