



COVID-19 Vaccination Coverage Update

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Overview

- Utilize immunization information systems (IIS) and surveys as complementary data sources

IIS	Surveys
Vaccine Coverage	Vaccine Coverage
Number of Doses	Vaccine Hesitancy
Date of Dose Administration	Occupation
Race/Ethnicity	Comorbidities
Sex	Income
Age	Education
State/County/Zip Code of Residence	Reasons for Uptake/Hesitancy
State/County/Zip Code of Administration	Knowledge About Different Vaccines
Nationwide source– Limited data elements	Multiple surveys that can be flexible as priorities shift – only state level at present for one, relatively small Ns for others



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COVID-19 Vaccination Coverage in the US Overall and by Age Groups

COVID-19 Vaccinations in the United States

Overall US COVID-19 Vaccine | Deliveries and Administration; Maps, charts, and data provided by CDC, updated daily by 8 pm ET[†]
 Represents all vaccine partners including jurisdictional partner clinics, retail pharmacies, long-term care facilities, dialysis centers, Federal Emergency Management Agency and Health Resources and Services Administration partner sites, and federal entity facilities.

Total Vaccine Doses	People Vaccinated	
	At Least One Dose	Fully Vaccinated
Delivered 250,998,265	Total 123,917,385	76,681,252
Administered 194,791,836	% of Total Population 37.3%	23.1%
Learn more about the distribution of vaccines.	Population ≥ 18 Years of Age 122,950,014	76,465,698
	% of Population ≥ 18 Years of Age 47.6%	29.6%
	Population ≥ 65 Years of Age 43,533,422	34,455,460
	% of Population ≥ 65 Years of Age 79.6%	63%

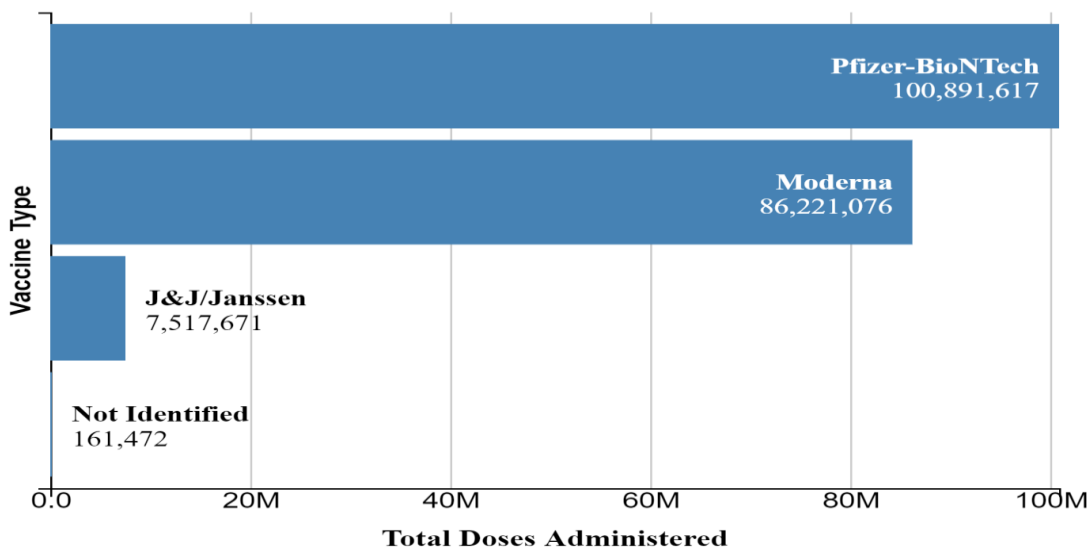
† About these data CDC | Data as of: Apr 14 2021 6:00am ET | Posted: Apr 14 2021 12:43PM ET

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U.S. COVID-19 Vaccine Administration by Vaccine Type

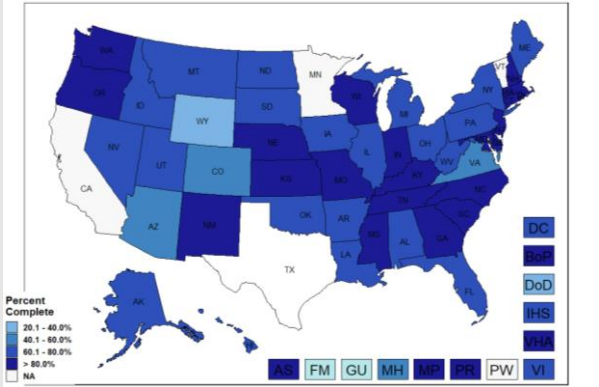
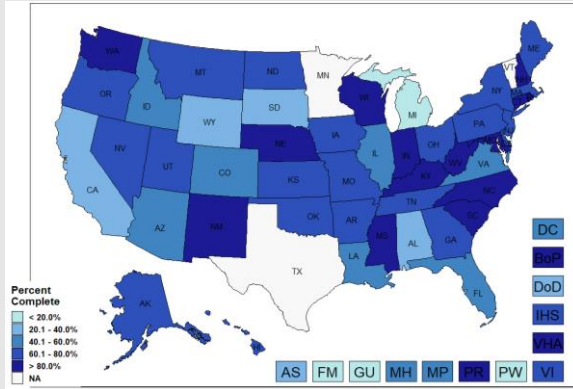


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Race/Ethnicity Completeness* by Jurisdiction

Cumulative

Last 2 weeks



*A record is considered to have complete race/ethnicity information if it has a valid ethnicity value and, if the person is reported as being non-Hispanic, a valid race value; if the person is reported as being Hispanic, no race value is required.

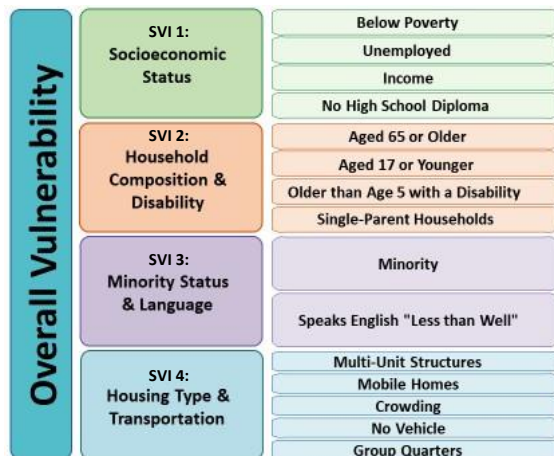


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Social Vulnerability Index Components

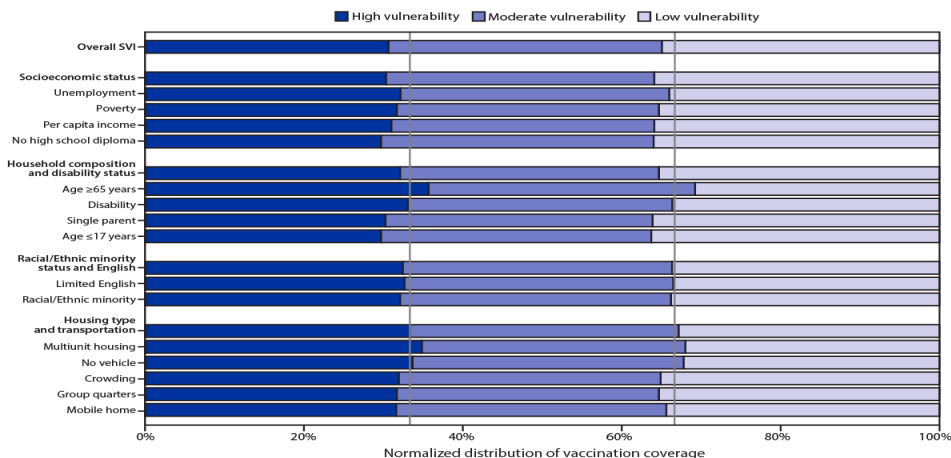
- County level metrics derived from census tract data
- SVI has 4-main components
- 15-groups



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Association of County-Level COVID-19 Vaccination Coverage by Social Vulnerability Index Metrics

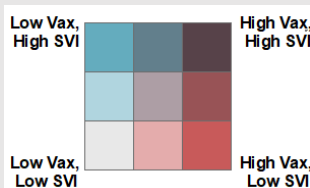
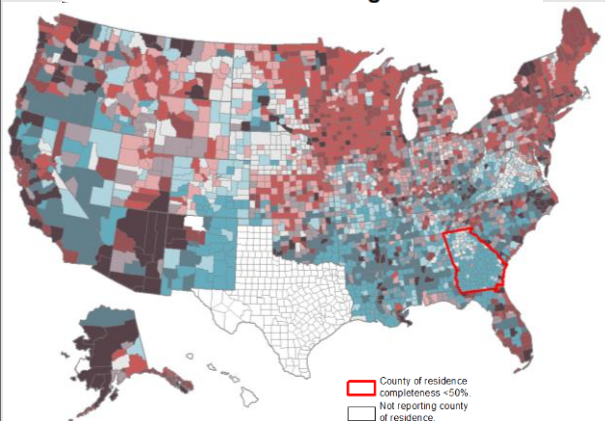


Hughes MM, Wang A, Grossman MK, et al. County-Level COVID-19 Vaccination Coverage and Social Vulnerability — United States, December 14, 2020–March 1, 2021. MMWR Morb Mortal Wkly Rep. ePub: 17 March 2021. DOI: <http://dx.doi.org/10.15585/mmwr.mm7012e1>

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Assessing Vaccine Uptake within Counties by Social Vulnerability Index (SVI) Category*

SVI and Vaccination Coverage with 1+ Dose



Counties with lowest vaccine coverage and highest social vulnerability

SVI Category	No. of Counties	Median Vaccine Coverage [†] (%)	Range (%)	Ratio [‡]	Previous Week Median Coverage (%)	Absolute % Change in Median from Previous Week
High	889	26.3	0.11–64.5	0.80	23.7	2.6
Moderate	980	29.4	0.04–129.8	0.90	26.2	3.2
Low	1010	32.8	0.29–65.8	Referent (1.0)	29.2	3.6

[†]Coverage estimates are lower than national estimates due to missing county of residence information for some persons vaccinated
[‡]Values below 1 reflect counties in that SVI category (Moderate: 0.334-0.666 or High:0.667-1) having lower vaccination coverage rates than low SVI counties (SVI: 0-0.333)

As of Apr 14, 2021



*County-level information unavailable for Texas and Hawaii; county of residence data completeness differs by state, which can affect interpretation of findings. Includes data from federal entities.



Analyses in Progress

- Recategorization and Imputation of race/ethnicity data
- Household Pulse Survey (nationally representative): Vaccination coverage, intent for vaccination, and reasons for getting vaccinated among older adults (MMWR, May 12th)
- IIS Data: Vaccination coverage among older adults by state, county, and demographics (MMWR, May 3rd)
- IIS Data: Urban/rural differences in vaccination coverage nationally, by state, and demographics (MMWR, May 3rd)
- IIS Data: Vaccination coverage by age group (proposal stage)
- IIS: Vaccination Coverage by SVI (and groups) and urban/rural status over time (proposal stage)

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