COVID-19 Epidemiology Update

- Current case counts, laboratory data, hospitalizations, and deaths
- Current SARS-CoV-2-variant data
- Current vaccination coverage data
COVID-19 Summary, June 30, 2021

COVID-19 Summary

<table>
<thead>
<tr>
<th></th>
<th>Cumulative Total</th>
<th>Daily</th>
<th>7-Day Daily Average</th>
<th>Change from Prior 7-Day Period</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cases</strong>&lt;sup&gt;1&lt;/sup&gt;</td>
<td>33,470,212</td>
<td>7,888</td>
<td>11,708</td>
<td>+3.2%</td>
</tr>
<tr>
<td><strong>Hospital Admissions</strong>&lt;sup&gt;2&lt;/sup&gt;</td>
<td>2,279,278</td>
<td>1,566</td>
<td>1,795</td>
<td>-3.9%</td>
</tr>
<tr>
<td><strong>Deaths</strong>&lt;sup&gt;1&lt;/sup&gt;</td>
<td>601,808</td>
<td>168</td>
<td>286</td>
<td>+0.7%</td>
</tr>
<tr>
<td><strong>Test Volume</strong>&lt;sup&gt;3&lt;/sup&gt;</td>
<td>466,646,225</td>
<td>N/A</td>
<td>574,391</td>
<td>-14.6%</td>
</tr>
<tr>
<td><strong>Test Positivity</strong>&lt;sup&gt;3&lt;/sup&gt;</td>
<td>7.6%</td>
<td>N/A</td>
<td>1.9%</td>
<td>+11.1%</td>
</tr>
</tbody>
</table>

1 Time Period: Jan 22, 2020 – Jun 28, 2021; confirmed and probable cases and deaths. Number of jurisdictions reporting: 59 of 60. Aggregate case and death data will be updated Mon – Sat. The total of new cases/deaths in the last 24 hours and 7-day averages do not include historical cases/deaths reported retroactively. Of 85,058 historical cases reported retroactively, 106 were reported on the most recent submission date; 5,528 in the current week; and 649 in the prior week. Of 6,395 historical deaths reported retroactively, none were reported on the most recent submission date; 26 in the current week; and 54 in the prior week.


https://covid.cdc.gov/covid-data-tracker/#cases_casesper100klast7days
https://covid.cdc.gov/covid-data-tracker/#cases_deathsper100klast7days
https://covid.cdc.gov/covid-data-tracker/#cases_testsper100k7day
https://covid.cdc.gov/covid-data-tracker/#cases_positivity7day

Level of community transmission in the United States

- From June 22 to June 28, 2021
- Majority of counties (80%) at “Moderate” (44%) or “Low” (36%) transmission levels
- Fewer than 10% of counties at “High” transmission level

https://covid.cdc.gov/covid-data-tracker/#county-view
- Choropleth showing community transmission levels across the United States, August 2020 to June 2021
- The community transmission metric was introduced in late July 2020
- Peak transmission (>90% counties in “High”) was in December 2020 and January 2021


- June 18 to June 24, 2021; data as of June 25, 2021
- New cases/week per 100,000 population, by county (aggregate reporting)
- Previous three months are shown below
- Movement towards fewer counties in the red zones (100 to 199 per 100,000) and (200 to 499 per 100,000) over the last three months


- June 18 to June 24, 2021; data as of June 25, 2021
- New deaths/week per 100,000 population, by county (aggregate reporting)
- Previous three months are shown below
- Can track specific geographic areas where deaths are still elevated

- June 16 to June 22, 2021; data as of June 25, 2021
- NAAT Test positivity, by county
- Previous three months are shown below
- Movement towards fewer counties in the red zones (>10.0% positivity) over the last three months

*NAAT: nucleic acid amplification test


- June 17 to June 23, 2021; data as of June 25, 2021
- Confirmed COVID-19 hospital admissions per 100 inpatient beds, by county
- Previous three months are shown below
- Movement towards fewer counties in the red zones (>11 admissions per 200 inpatient beds) over the last three months

SARS-CoV-2 Variants

- Multiple variants of SARS-CoV-2 are circulating globally and within the United States.
- The B.1.1.7 (Alpha), B.1.351 (Beta), P.1 (Gamma), B.1.427/B.1.429 (Epsilon), and B.1.617.2 (Delta) variants circulating in the United States are classified as variants of concern (VOC).


National Picture, Vaccinations as of June 30, 2021

https://covid.cdc.gov/covid-data-tracker/#vaccinations
Daily count of total doses administered and reported to CDC, by date administered, United States; data as of June 30, 2021

[Graph showing the daily count of total doses administered]

https://covid.cdc.gov/covid-data-tracker/#vaccination-trends

Vaccinations in the United States, as of June 30, 2021

[Graphs showing U.S. COVID-19 Vaccine Delivered by Vaccine Type, U.S. COVID-19 Vaccine Administration by Vaccine Type, and Number of People Fully Vaccinated in the U.S. by COVID-19 Vaccine Series Type]

https://covid.cdc.gov/covid-data-tracker/#vaccinations
Total population fully vaccinated, as of June 30, 2021

Percent of population (12+, 18+, and 65+) fully vaccinated, by county, as of June 30, 2021
Recent MMWR publications – COVID-19 vaccination, June 2021

- June 25, 2021
  - COVID-19 Vaccination Coverage Among Adults — United States, December 14, 2020–May 22, 2021
  - COVID-19 Vaccination Coverage and Intent Among Adults Aged 18–39 Years — United States, March–May 2021

- June 18, 2021

- June 11, 2021
  - Impact of the COVID-19 Pandemic on Administration of Selected Routine Childhood and Adolescent Vaccinations — 10 U.S. Jurisdictions, March–September 2020
  - Decreases in COVID-19 Cases, Emergency Department Visits, Hospital Admissions, and Deaths Among Older Adults Following the Introduction of COVID-19 Vaccine — United States, September 6, 2020–May 1, 2021

- June 4, 2021
  - Patterns in COVID-19 Vaccination Coverage, by Social Vulnerability and Urbanicity — United States, December 14, 2020–May 1, 2021

https://www.cdc.gov/mmwr/Novel_Coronavirus_Reports.html

Recent MMWR publications – COVID-19 vaccination, May 2021

- May 28, 2021
  - COVID-19 Vaccine Breakthrough Infections Reported to CDC — United States, January 1–April 30, 2021

- May 21, 2021
  - Interim Estimates of Vaccine Effectiveness of Pfizer-BioNTech and Moderna COVID-19 Vaccines Among Health Care Personnel — 33 U.S. Sites, January–March 2021
  - Disparities in COVID-19 Vaccination Coverage Between Urban and Rural Counties — United States, December 14, 2020–April 10, 2021

- May 14, 2021
  - Modeling of Future COVID-19 Cases, Hospitalizations, and Deaths, by Vaccination Rates and Nonpharmaceutical Intervention Scenarios — United States, April–September 2021
  - Demographic and Social Factors Associated with COVID-19 Vaccination Initiation Among Adults Aged ≥65 Years — United States, December 14, 2020–April 10, 2021

- May 7, 2021
  - Effectiveness of Pfizer-BioNTech and Moderna Vaccines Against COVID-19 Among Hospitalized Adults Aged ≥65 Years — United States, January–March 2021
  - Safety Monitoring of the Janssen (Johnson & Johnson) COVID-19 Vaccine — United States, March–April 2021

https://www.cdc.gov/mmwr/Novel_Coronavirus_Reports.html

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COVID Data Tracker Weekly Review

For more information, contact CDC
1-800-CDC-INFO (232-4636)

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.
Appendix: June 2021 MMWR publications related to COVID-19 vaccinations in the United States

“COVID-19 Vaccination Coverage and Intent Among Adults Aged 18–39 Years — United States, March–May 2021”

- [https://www.cdc.gov/mmwr/volumes/70/wr/mm7025e2.htm?s_cid=mm7025e2_x](https://www.cdc.gov/mmwr/volumes/70/wr/mm7025e2.htm?s_cid=mm7025e2_x)
  June 25, 2021
- Overall, 34% of adults aged 18–39 years reported having received a COVID-19 vaccine.
- Adults aged 18–24 years, as well as non-Hispanic Black adults and those with less education, no insurance, and lower household incomes, had the lowest reported vaccination coverage and intent to get vaccinated.
- Concerns about vaccine safety and effectiveness were commonly cited barriers to vaccination.

[https://www.cdc.gov/mmwr/Novel_Coronavirus_Reports.html](https://www.cdc.gov/mmwr/Novel_Coronavirus_Reports.html)
“COVID-19 Vaccination Coverage Among Adults Aged 18–39 Years — United States, March–May 2021”

- https://www.cdc.gov/mmwr/volumes/70/wr/mm7025e1.htm?s_cid=mm7025e1_w
  June 25, 2021
- By May 22, 2021, 57.0% of U.S. adults aged ≥18 years had received ≥1 vaccine dose; coverage was lower and increased more slowly over time among younger adults.
- If the current rate of vaccination continues through August, coverage among young adults will remain substantially lower than among older adults.


- https://www.cdc.gov/mmwr/volumes/70/wr/mm7024e2.htm?s_cid=mm7024e2_w
  June 18, 2021
- As of May 8, 2021, 16.3% of pregnant women identified in CDC’s Vaccine Safety Datalink had received ≥1 dose of a COVID-19 vaccine during pregnancy in the United States.
- Vaccination was lowest among Hispanic (11.9%) and non-Hispanic Black women (6.0%) and women aged 18–24 years (5.5%) and highest among non-Hispanic Asian women (24.7%) and women aged 35–49 years (22.7%).

https://www.cdc.gov/mmwr/Novel_Coronavirus_Reports.html
“Decreases in COVID-19 Cases, Emergency Department Visits, Hospital Admissions, and Deaths Among Older Adults Following the Introduction of COVID-19 Vaccine — United States, September 6, 2020–May 1, 2021”

- [https://www.cdc.gov/mmwr/volumes/70/wr/mm7023e2.htm?s_cid=mm7023e2_w](https://www.cdc.gov/mmwr/volumes/70/wr/mm7023e2.htm?s_cid=mm7023e2_w)
- By May 1, 2021, 82%, 63%, and 42% of adults aged ≥65, 50–64, and 18–49 years, respectively, had received ≥1 vaccine dose.
- From November 29–December 12, 2020 to April 18–May 1, 2021, the rate ratios of COVID-19 incidence, emergency department visits, hospital admissions, and deaths among adults aged ≥65 years (≥70 years for hospitalizations) to adults aged 18–49 years declined 40%, 59%, 65%, and 66%, respectively.


- [https://www.cdc.gov/mmwr/volumes/70/wr/mm7023a2.htm?s_cid=mm7023a2_w](https://www.cdc.gov/mmwr/volumes/70/wr/mm7023a2.htm?s_cid=mm7023a2_w)
- Analysis of immunization information systems data from 10 U.S. jurisdictions indicated a substantial decrease in administered vaccine doses during March–May 2020 compared with the same period during 2018 and 2019.
- Although administered doses increased during June–September 2020, this increase was not sufficient to achieve catch-up coverage.
“Patterns in COVID-19 Vaccination Coverage, by Social Vulnerability and Urbanicity — United States, December 14, 2020–May 1, 2021”

- [https://www.cdc.gov/mmwr/volumes/70/wr/mm7022e1.htm?s_cid=mm7022e1_w](https://www.cdc.gov/mmwr/volumes/70/wr/mm7022e1.htm?s_cid=mm7022e1_w) June 4, 2021

- Disparities in county-level vaccination coverage by social vulnerability have increased as vaccine eligibility has expanded, especially in large fringe metropolitan (areas surrounding large cities, e.g., suburban) and nonmetropolitan counties.

- By May 1, 2021, vaccination coverage among adults was lower among those living in counties with lower socioeconomic status and with higher percentages of households with children, single parents, and persons with disabilities.

[https://www.cdc.gov/mmwr/Novel_Coronavirus_Reports.html](https://www.cdc.gov/mmwr/Novel_Coronavirus_Reports.html)