

Centers for Disease Control and Prevention
National Center for Immunization and Respiratory Diseases



The Immunization Landscape: Lessons Learned and Our Focus

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Director

May 9, 2023
National Adult and Influenza Immunization Summit

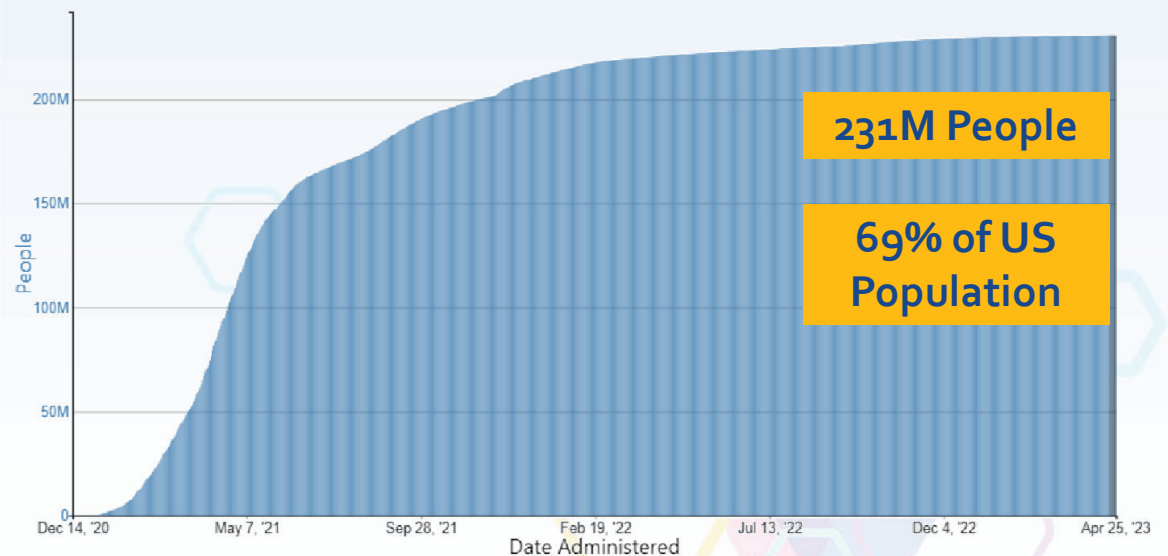


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COVID-19 Vaccine Completed Series-US

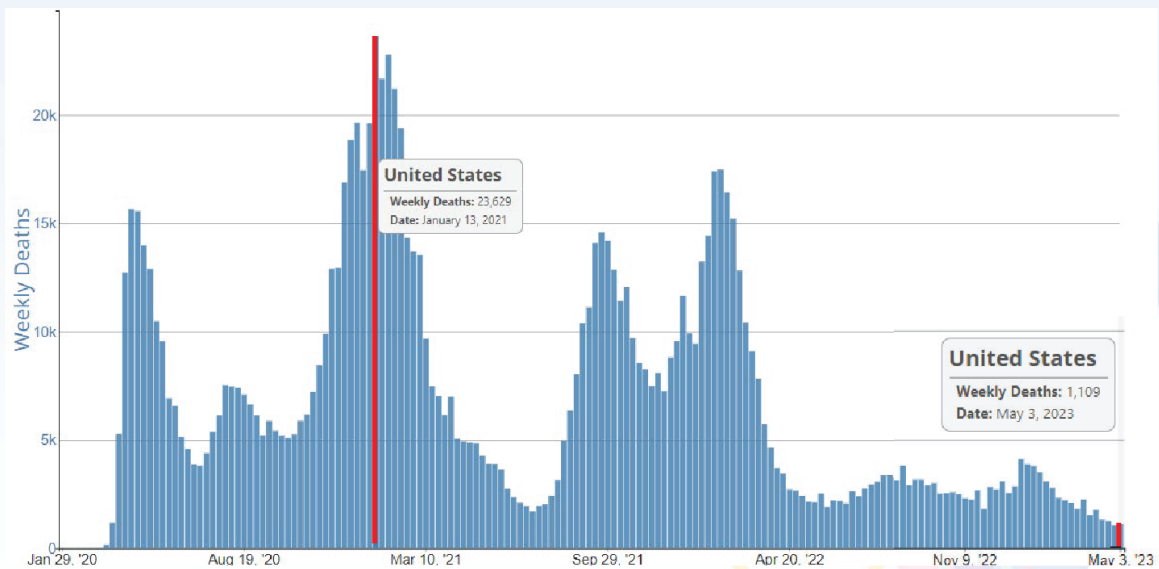
Cumulative Count of People with Completed Primary Series by Date of Vaccine Administration, United States

18M Hospitalizations Prevented
3M Lives Saved



Centers for Disease Control and Prevention. COVID Data Tracker. Atlanta, GA: US Department of Health and Human Services, CDC; 2023, May 04. <https://covid.cdc.gov/covid-data-tracker>

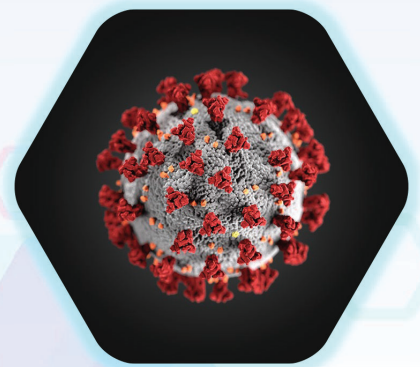
COVID-19 Deaths-Weekly Trends



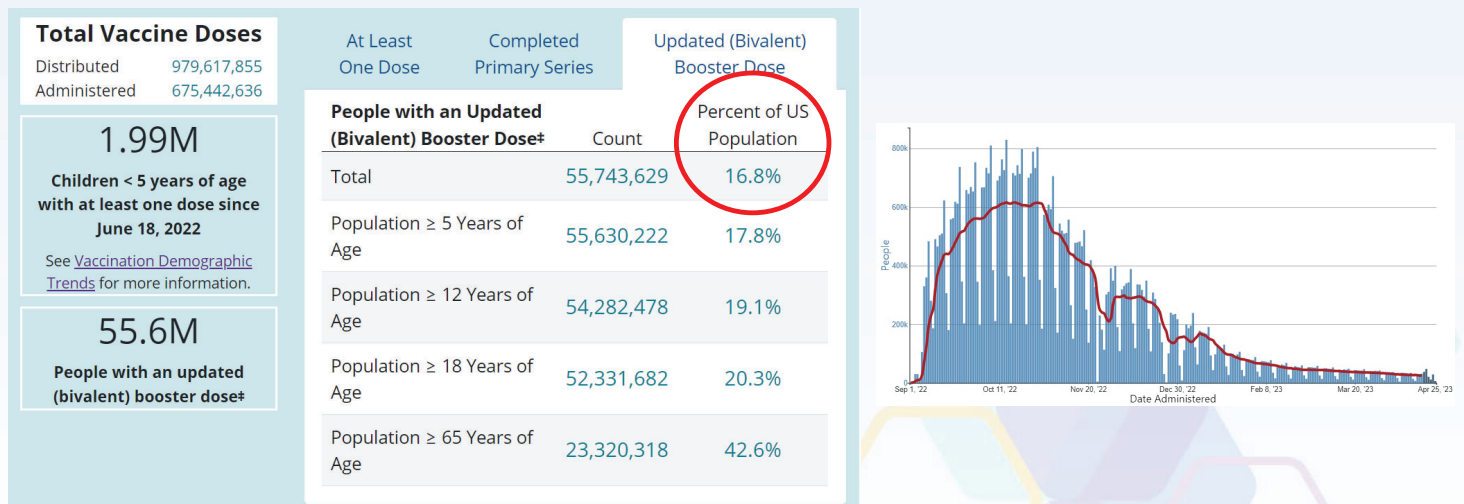
Centers for Disease Control and Prevention. COVID Data Tracker. Atlanta, GA: US Department of Health and Human Services, CDC; 2023, May 05. <https://covid.cdc.gov/covid-data-tracker>

Public Health Emergency: From Response to Program

- End of Public Health Emergency declaration does not end work on COVID-19
- Hospital admission rates as primary indicators of local COVID-19 activity
 - Death data as secondary surveillance metric
- Removal of case data visualizations from COVID Data Tracker
- Vaccine administration data updated monthly



Gaps in COVID-19 Vaccine Coverage



Centers for Disease Control and Prevention. COVID Data Tracker. Atlanta, GA: US Department of Health and Human Services, CDC; 2023, May 04.
<https://covid.cdc.gov/covid-data-tracker/#vaccination-trends>

CDC Priorities post-COVID-19 Emergency

- Making COVID-19 vaccine and antiviral treatments more accessible
- Review and simplify vaccine recommendations
- Updated recommendations on additional updated (bivalent) mRNA dose:
 - Adults 65 and older
 - People 6 months and older who are immunocompromised
- Free vaccines and other treatments for uninsured Americans

Ensure all Americans remain protected against COVID-19

Changes at NCIRD

- New division: Coronavirus and Other Respiratory Viruses Division
- Absorb COVID-19 activities from CDC's Emergency Operations Center and COVID-19 pandemic response task forces into NCIRD's divisions and programs
- Increase capacity to achieve public health impact for COVID-19 activities and other vaccine preventable and respiratory disease efforts
- New surveillance dashboard
- Expand preparedness and response work domestically and globally

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Bridge Access Program

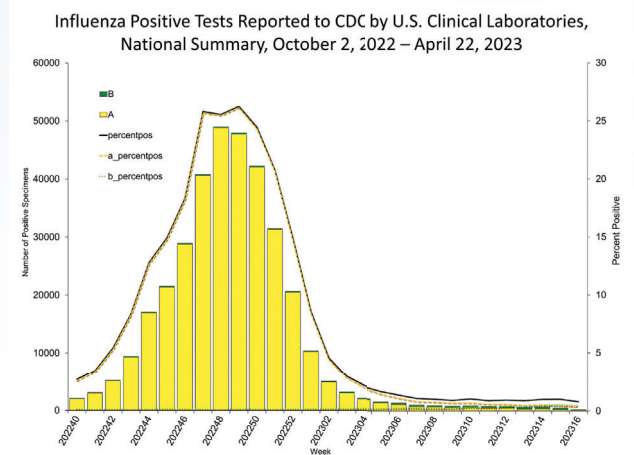
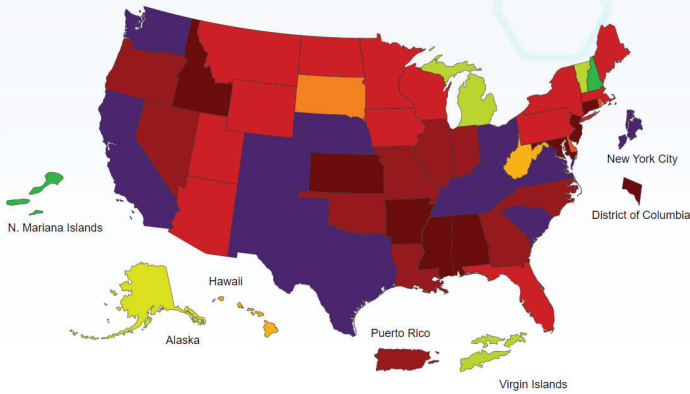


- Free vaccines and antiviral treatments for uninsured Americans
- Vaccines at local pharmacies and health centers
- From US government to traditional commercial healthcare pathway

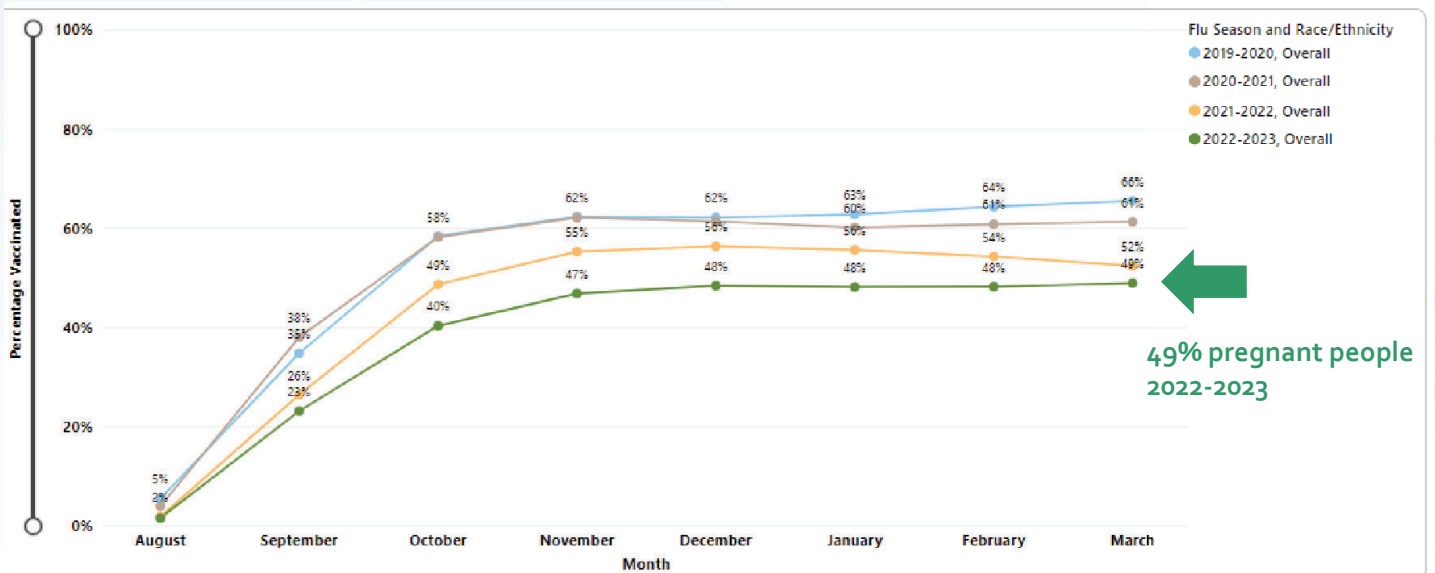
Influenza and RSV Surges

- Seasonal influenza activity was high and increased across the country
- Influenza:
 - At least 26 million illnesses
 - 290,000 hospitalizations
 - 19,000 deaths

Outpatient Respiratory Illness Activity by Jurisdiction

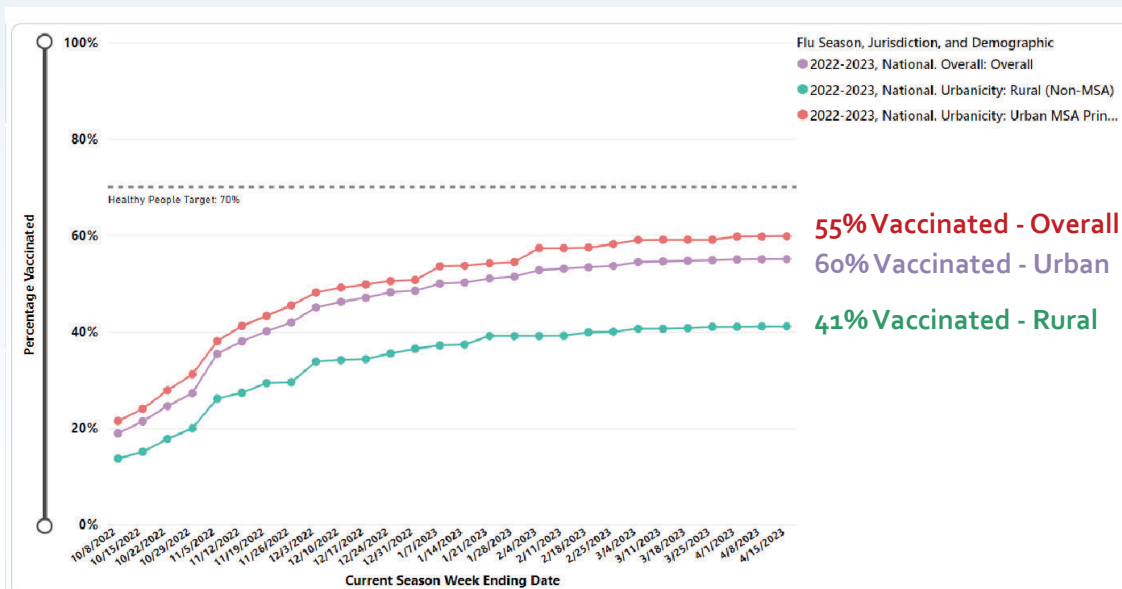


Influenza Vaccination Coverage, Pregnant Persons, 2019-2023



Centers for Disease Control and Prevention. Vaccine Safety Datalink. Atlanta, GA: US Department of Health and Human Services, CDC; 2023, May 1. <https://www.cdc.gov/flu/fluview/dashboard/vaccination-coverage-pregnant.html>

2022-2023 Influenza Vaccination Coverage, Children 6 Months-17 years, Urban and Rural (as of 4/15/23)



Centers for Disease Control and Prevention. Flu Vax View. Atlanta, GA: US Department of Health and Human Services, CDC; 2023, May 04. <https://www.cdc.gov/flu/fluview/dashboard/vaccination-coverage-race.html>

Expected Changes for Upcoming Respiratory Viral Season



- FDA approval of RSV vaccine
- Updated COVID-19 vaccine for fall/winter
- Annual influenza vaccine

Return of Vaccine-preventable Diseases

Morbidity and Mortality Weekly Report

Wastewater Testing and Detection of Poliovirus Type 2 Genetically Linked to Virus Isolated from a Paralytic Polio Case — New York, March 9–October 11, 2022

A. Blythe Ryerson, PhD^{1,*}; Daniel Lang, MS^{2,*}; Mohammed A. Alazawi, PhD²; Milagros Neyra, MPH³; Dustin T. Hill, PhD³; Kirsten St. George, PhD^{2,4}; Meghan Fuschino, MS²; Emily Lutterloh, MD⁵; Bryon Backenson, MS²; Samuel Rulli³; Patricia Schnabel Ruppert, DO³; Jacqueline Lawler, MPH¹⁶; Nancy McGraw, MPH¹; Andrew Knecht, DO⁶; Irina Gelman, DPM⁷; Jane R. Zucker, MD^{1,8}; Enoma Omorogbe, PhD⁹; Sarah Kidd, MD¹; David E. Sugerman, MD¹; Jaume Jorba, PhD¹; Nancy Gerloff, PhD¹; Terry Fei Fan Ng, PhD¹; Adriana Lopez, MHS¹; Nina B. Masters, PhD^{1,10}; Jessica Leung, MPH¹; Cara C. Burns, PhD¹; Janell Routh, MD¹; Stephanie R. Bialek, MD¹; M. Steven Oberste, PhD^{1,1}; Eli S. Rosenberg, PhD^{2,11,12}; 2022 U.S. Poliovirus Response Team

'Silent' spread of polio in New York drives CDC to consider additional vaccinations for some people



MEASLES OUTBREAK
CDC WARNS LARGE OUTBREAK IS POSSIBLE

Measles Exposure at a Large Gathering in Kentucky, February 2023 and Global Measles Outbreaks

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Distributed via the CDC Health Alert Network
March 3, 2023, 11:15 AM ET
CDCHAN-00488

Summary

The Centers for Disease Control and Prevention (CDC) is issuing this Health Alert Network (HAN) Health Advisory to notify clinicians and public health officials about a confirmed measles case at a large gathering. On February 24, 2023, the Kentucky Department for Public Health (KD*PH) identified a confirmed case of measles in an unvaccinated individual with a history of recent international travel.

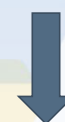
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Decline in Vaccination Coverage Among Kindergarteners During the Pandemic

Estimated vaccination coverage among kindergarteners by vaccine— United States, 2019–20, 2020–21, and 2021–22 school years

Kindergarten Coverage	2019-20 (pre-pandemic)	2020-21 (pandemic)	2021-22 (pandemic)
MMR	95.2%	93.9%	93.5%
DTaP	94.9%	93.6%	93.1%
Polio	95.0%	93.9%	93.5%
Varicella (UTD)	94.8%	93.6%	92.6%

2% drop in Kindergarten vaccination coverage since the start of the pandemic



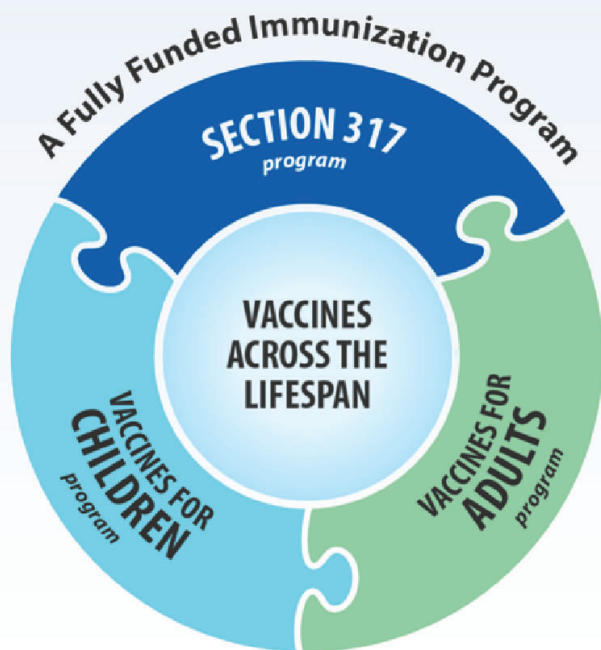
275,000 children, who entered kindergarten during the pandemic, are susceptible to vaccine preventable diseases

<https://www.cdc.gov/mmwr/volumes/71/wr/mm7116a1.htm>;

Vaccination Coverage with Selected Vaccines and Exemption Rates Among Children in Kindergarten — United States, 2019–20 School Year - PMC (nih.gov)
Vaccination Coverage with Selected Vaccines and Exemption Rates Among Children in Kindergarten — United States, 2021–22 School Year *MMWR*

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Comprehensive Immunization Program



Proposed *Vaccines for Adults* program would:

- reduce the spread of vaccine-preventable diseases
- reduce vaccination coverage disparities and pave the way to greater health equity
- Create necessary infrastructure for a more effective response to future pandemics

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P4VE: Advancing Vaccine Equity Across the Nation

Program Cumulative Data (As of December 2022)

State, Local, and Community (SLC) Level Organizations

258,764

Community-level spokespersons educated, empowered, or trained

2.72 Million

People who attended promotional events from populations of focus

2.02 Million

COVID-19 [any dose or booster] or flu vaccines administered at any vaccination site established

National-level Organizations

201

Nationwide educational campaigns launched

48

States reached through tailored educational campaigns

44

Educational campaign languages and dialects

Minority-led Medical and Professional Associations

508,478

Clinicians reached through any new strategies and resources

1,170

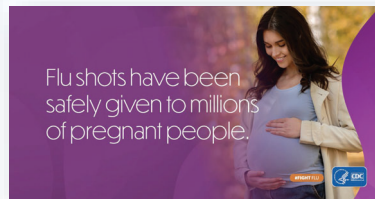
Healthcare organizations reached

168

Trainings provided for individual clinicians or individuals

16

Raising Awareness About Vaccination



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¡Gracias! Thank you!

CDC-INFO: <https://wwwn.cdc.gov/dcs/>

NCIRD: <https://www.cdc.gov/ncird/>

Vaccines & Immunizations: <https://www.cdc.gov/vaccines/>

Partnering for Vaccine Equity: adultvaxprogram@cdc.gov

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

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