Measles (Rubeola)

JUNE 28, 2024

ESPAÑOL

Measles Cases and Outbreaks

WHAT TO KNOW

Updated on July 11, 2024. Starting 6/14/2024, CDC will update this page the second and fourth Friday of the month.



Measles cases in 2024

As of July 11th, a total of 167 measles cases were reported by 24 jurisdictions: Arizona, California, Florida, Georgia, Illinois, Indiana, Louisiana, Maryland, Michigan, Minnesota, Missouri, New Hampshire, New Jersey, New Mexico, New York City, New York State, Ohio, Oregon, Pennsylvania, Vermont, Virginia, Washington, West Virginia, and Wisconsin.

There have been 13 outbreaks (defined as 3 or more related cases) reported in 2024, and 66% of cases (110 of 167) are outbreak-associated. For comparison, 4 outbreaks were reported during 2023 and 48% of cases (28 of 58) were outbreak-associated.

U.S. Cases in 2024

Total cases

167

Age
Under 5 years: **77 (46%)**
5-19 years: **37 (22%)**
20+ years: **53 (32%)**

Vaccination Status
Unvaccinated or Unknown: **84%**
One MMR dose: **11%**
Two MMR doses: **5%**

U.S. Hospitalizations in 2024

53%

53% of cases hospitalized (88 of 167) for isolation or for management of measles complications.

Percent of Age Group Hospitalized
Under 5 years: **61% (47 of 77)**
5-19 years: **41% (15 of 37)**
20+ years: **49% (26 of 53)**

What to Know

EXPAND ALL +

How serious is measles?

Measles is an airborne, extremely infectious, and potentially severe rash illness. Before the measles vaccine was introduced, an estimated 48,000 people were hospitalized and 400–500 people died in the United States each year.

Keep Reading:
Measles Symptoms and Complications

Measles is not a seasonal virus. However, measles is often spread over times of high travel (ex: spring break) or in situations where unvaccinated persons are in close quarters (ex: summer camp).

Can I get measles while traveling?

Did you know that measles can be found around the world? Measles can live in the air for 2 hours after an infectious person leaves the space. Before any international travel, evaluate if your family needs early vaccine doses.

After you return, watch your health for 3 weeks and call your healthcare provider if you or your child gets sick with a rash and fever.

Why are some fully vaccinated people getting measles?

Two doses of MMR vaccine are 97% effective at preventing measles, 1 dose is 93% effective. It is uncommon for someone fully vaccinated to develop measles. However, breakthrough infections (when someone becomes infected after they have been vaccinated) can occur, especially in communities experiencing an outbreak where high levels of measles virus are circulating. The number of breakthrough infections (approximately 5% of total) is consistent with what we have seen in previous years.

How do I protect myself?

Prevent measles and talk to your healthcare provider about the measles, mumps, and rubella (MMR) vaccine, especially if planning to travel.

Keep Reading:
About MMR Vaccine

Why is there more measles activity?

Measles was declared eliminated in the United States in 2000. This was thanks to a very high percentage of people receiving the safe and effective measles, mumps, and rubella (MMR) vaccine. In recent years, however:

- U.S. MMR coverage among kindergarteners is now below the 95% coverage target—much lower in some communities—and is decreasing.
- Global measles activity is increasing, meaning more chances of an unvaccinated person infected with measles abroad returning to the United States.

How does CDC assess measles outbreak risk? +

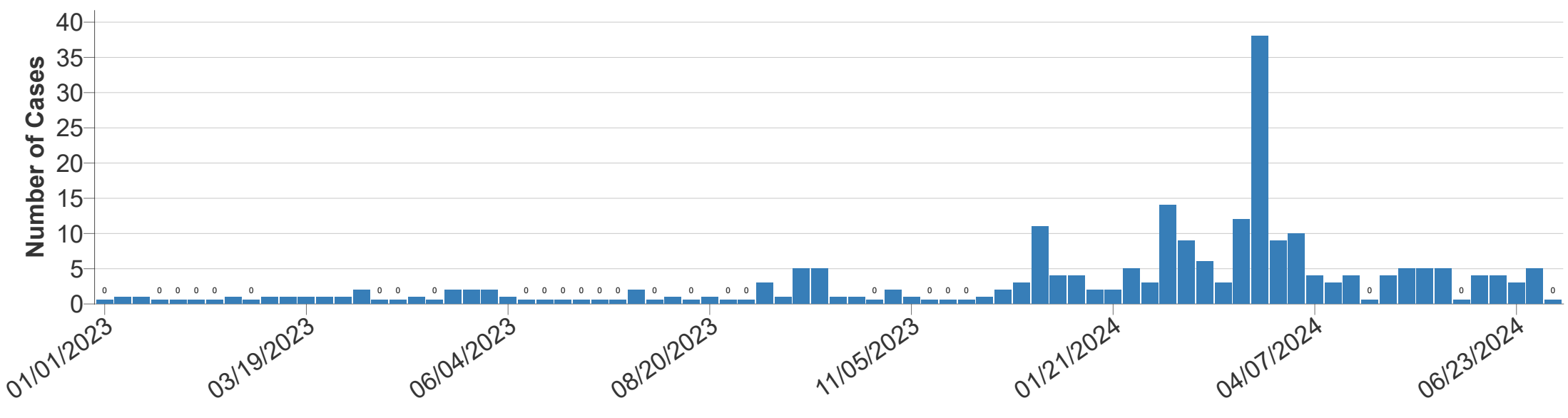
CDC is creating models to show how measles outbreaks could occur and spread in the United States. These models can be used to help health departments better identify communities at highest risk and manage healthcare resources.

Keep Reading:

Assessing U.S. Measles Outbreak Risk

Weekly Measles Cases by Rash Onset Date

2023–2024* (as of July 11, 2024)



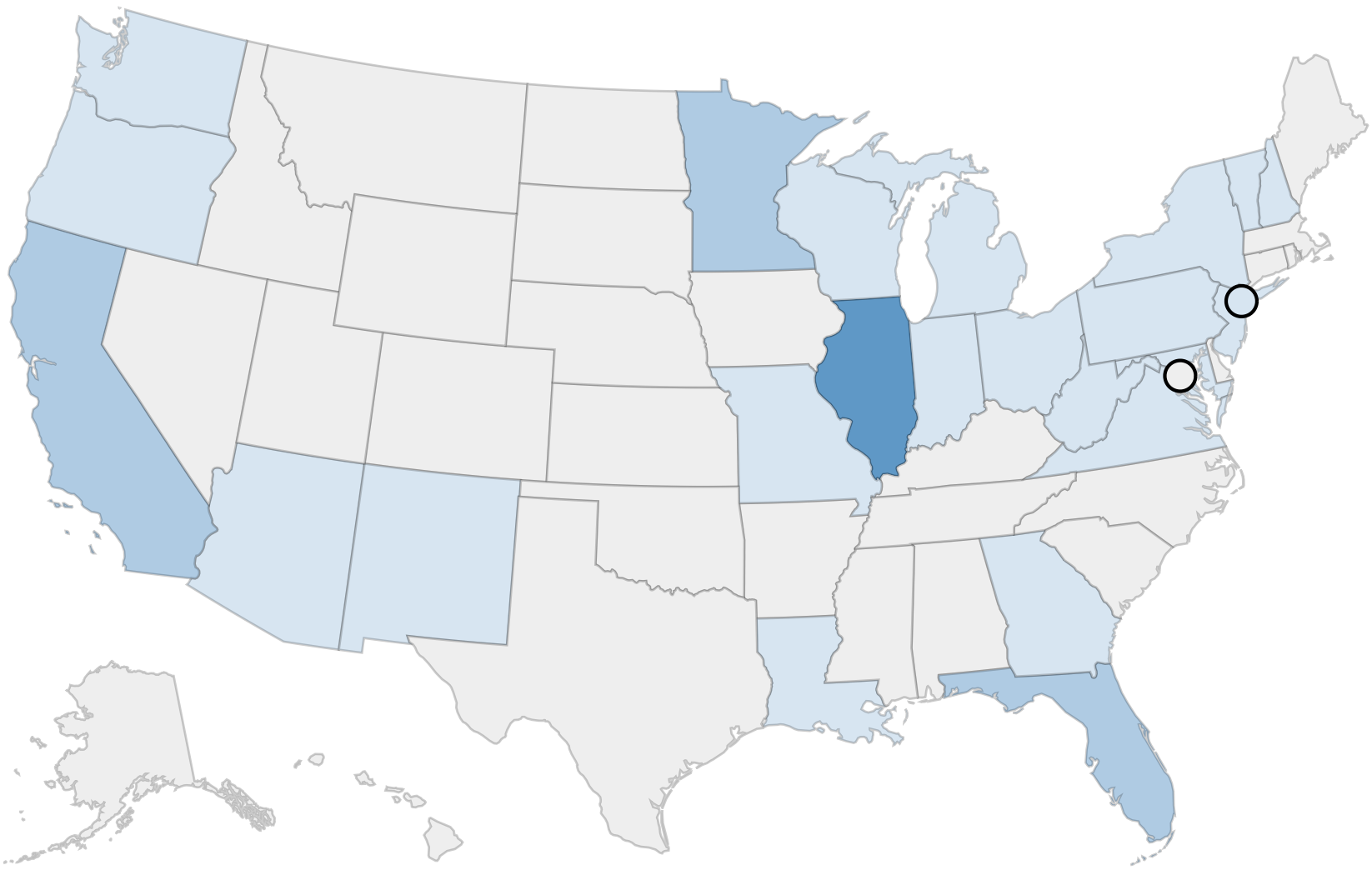
Download Data (CSV)

Data Table +

*2023–2024 case counts are preliminary and subject to change.

Measles Cases in 2024

as of July 11, 2024



Legend

0
1-9
10-19
20-49
50-99
100+

Download Data (CSV)

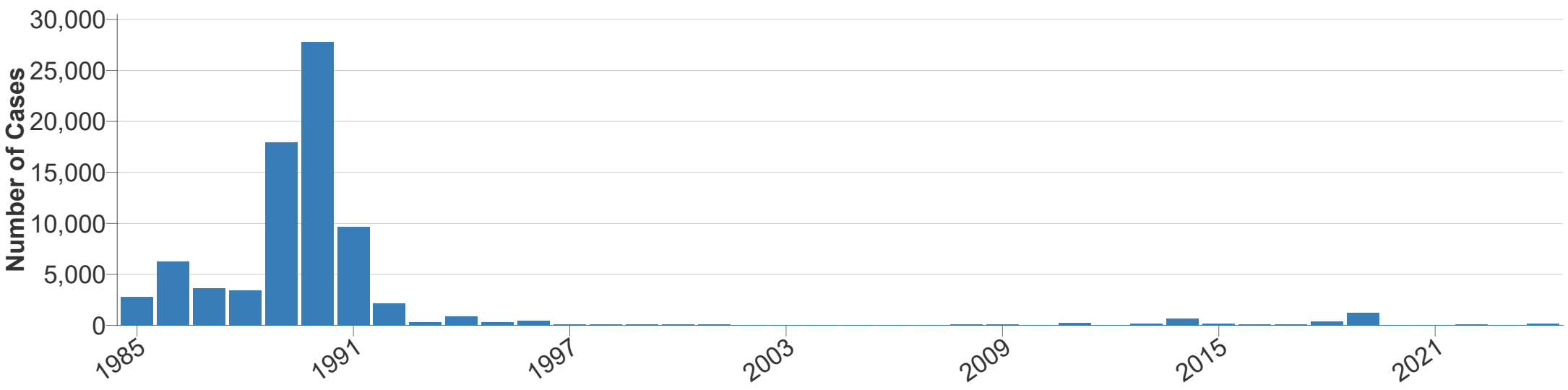
Data Table +

Yearly Measles Cases

as of July 11, 2024

Make a selection from the filters to change the visualization information.

2000-2024* 1985-2024*



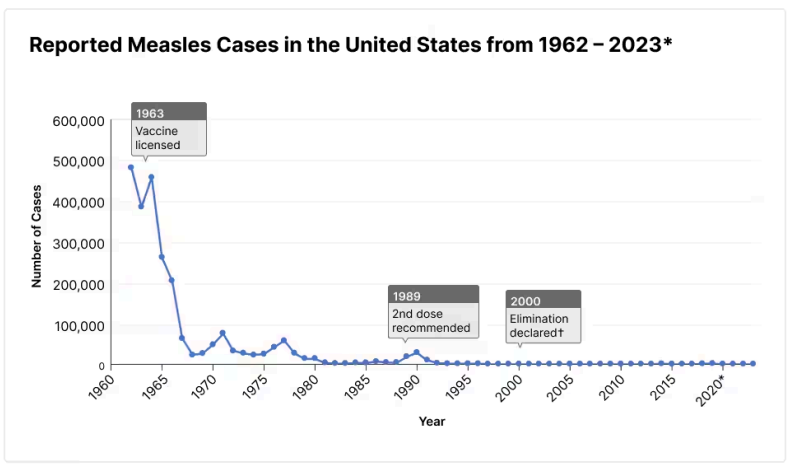
Download Data (CSV)

Data Table +

*2023–2024 case counts are preliminary and subject to change.

History of Measles Cases

Measles was officially eliminated from the United States in 2000, meaning there is no measles spreading within the country and new cases are only found when someone contracts measles abroad and returns to the country. Achieving measles elimination status in the United States was a historic public health achievement. The below figure illustrates how common measles was before vaccines and how vaccine policy enabled elimination.



*2023 data are preliminary and subject to change. †Elimination is defined as the absence of endemic measles transmission in a region for ≥ 12 months in the presence of a well-performing surveillance system.

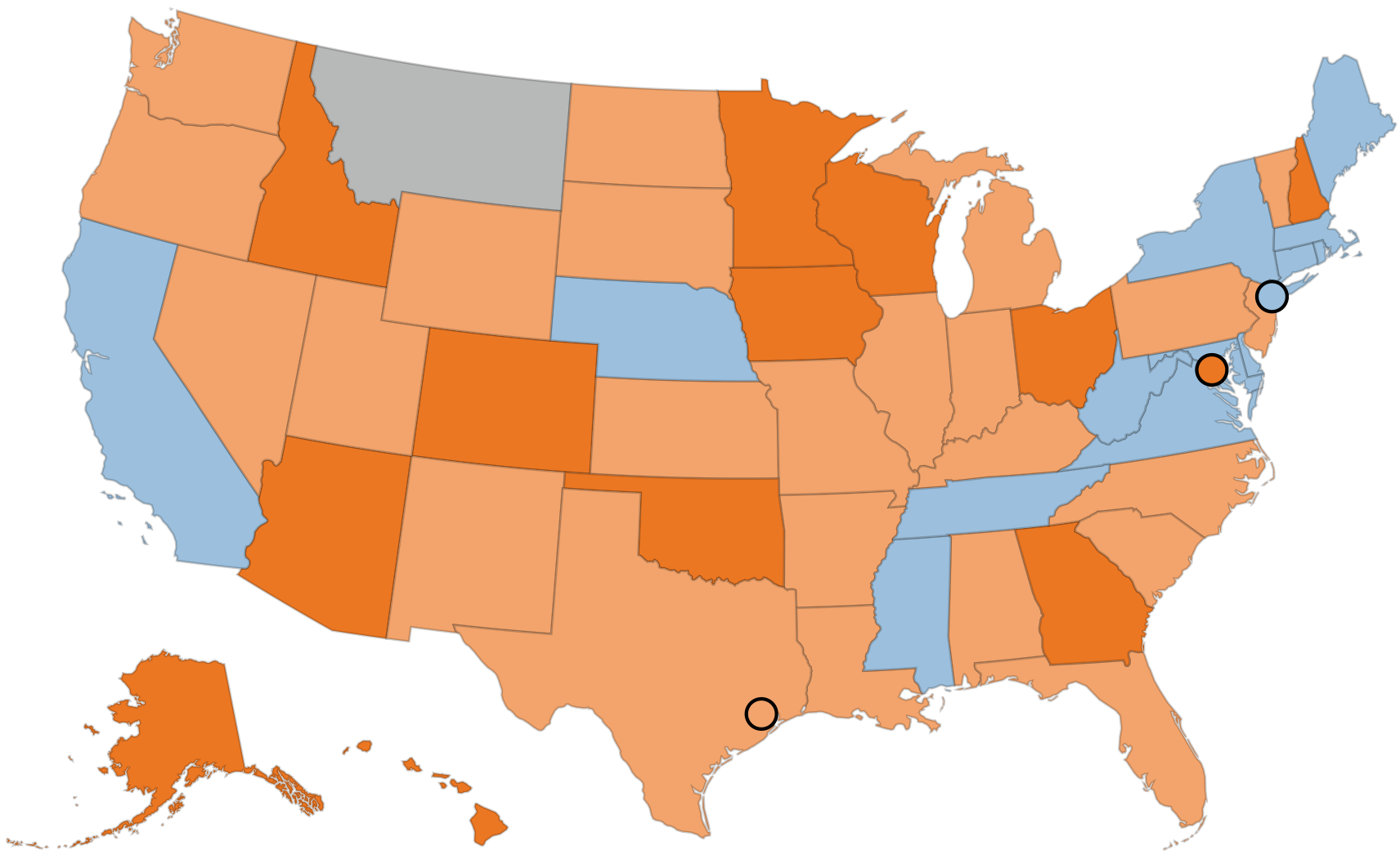
MMR Vaccine Coverage for Kindergarteners by School Year (2009–2023)

The measles, mumps, and rubella (MMR) vaccine is very safe and effective. When more than 95% of people in a community are vaccinated (coverage >95%), most people are protected through community immunity (herd immunity). However, vaccination coverage among U.S. kindergartners has decreased from 95.2% during the 2019–2020 school year to 93.1% in the 2022–2023 school year, leaving approximately 250,000 kindergartners at risk each year over the last three years. To dive into vaccine coverage data for MMR, visit VaxView.

At local levels, vaccine coverage rates may vary considerably, and pockets of unvaccinated people can exist in states with high vaccination coverage. When measles gets into communities of unvaccinated people in the United States, outbreaks can occur.

Make a selection from the filters to change the visualization information.

2022-23



Legend - Coverage (%)

- Less than 90%
- 90-94.9%
- 95%+
- Not available

Download Data (CSV)

Data Table +

Note: Alabama, Florida, Georgia, Iowa, Mississippi, New Hampshire, and New Jersey did not assess coverage for individual vaccines. Estimates shown are the percentage of kindergartners who received all doses of all vaccines required for school entry.

Previous Years

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2023 +

During January 1–December 31, 2023, a total of 58 measles cases were reported by 20 jurisdictions: California, Colorado, District of Columbia, Florida, Hawaii, Idaho, Illinois, Kentucky, Maryland, Missouri, New Jersey, New York City, Ohio, Oregon, Pennsylvania, Texas, Utah, Virginia, Washington, and Wisconsin.

*Jurisdictions refer to any of the 50 states, New York City, and the District of Columbia.

2022 +

From January 1 to December 31, 2022, a total of 121 measles cases were reported by 6 jurisdictions. *

For more information please see the following reports:

- Notes from the Field: Measles Outbreak — Central Ohio, 2022–2023*MMWR*. August 4, 2023

*Jurisdictions refer to any of the 50 states, New York City, and the District of Columbia.

2021

From January 1 to December 31, 2021, a total of 49 measles cases were reported by 5 jurisdictions. *

For more information please see the following reports:

- Public Health Actions to Control Measles Among Afghan Evacuees During Operation Allies Welcome — United States, September–November 2021*MMWR*. April 29, 2022

*Jurisdictions refer to any of the 50 states, New York City, and the District of Columbia.

2020

From January 1 to December 31, 2020, 13 individual cases of measles were confirmed in 8 jurisdictions.*

*Jurisdictions refer to any of the 50 states, New York City, and the District of Columbia.

2019

From January 1 to December 31, 2019, 1,274 individual cases of measles were confirmed in 31 states.

This is the greatest number of cases reported in the United States since 1992. The majority of cases were among people who were not vaccinated against measles. Measles is more likely to spread and cause outbreaks in U.S. communities where groups of people are unvaccinated.

For more information please see the following reports:

- Increase in Measles Cases – United States, January 1-April 26, 2019 *MMWR.* May 3, 2019
- National Update on Measles Cases and Outbreaks – United States, January 1-October 1, 2019. *MMWR.* October 11, 2019
- National Update on Measles Cases and Outbreaks — United States, January 1–October 1, 2019*MMWR*. October 11, 2019
- Notes from the Field: Community Outbreak of Measles — Clark County, Washington, 2018–2019*MMWR*. May 17, 2019
- Notes from the Field: Measles Outbreaks from Imported Cases in Orthodox Jewish Communities — New York and New Jersey, 2018–2019*MMWR*. May 17, 2019

*Jurisdictions refer to any of the 50 states, New York City, and the District of Columbia.

2018

From January 1 to December 31, 2018, 382 individual cases of measles were confirmed in 28 jurisdictions.*

*Jurisdictions refer to any of the 50 states, New York City, and the District of Columbia.

2017

For more information please see the following reports:

- Measles Outbreak — Minnesota April–May 2017 *MMWR.* July 14, 2017

*Jurisdictions refer to any of the 50 states, New York City, and the District of Columbia.

2016

For more information please see the following reports:

- Notes from the Field: Measles Outbreak at a United States Immigration and Customs Enforcement Facility — Arizona, May–June 2016 *MMWR.* May 26, 2017
- Measles Outbreak of Unknown Source — Shelby County, Tennessee, April–May 2016 *MMWR.* September 30, 2016

*Jurisdictions refer to any of the 50 states, New York City, and the District of Columbia.

2015

For more information please see the following reports:

- Measles — United States, January 4–April 2, 2015 *MMWR.* April 17, 2015
- Measles Outbreak — California, December 2014–February 2015 *MMWR.* Feb 20, 2015

*Jurisdictions refer to any of the 50 states, New York City, and the District of Columbia.

2014

For more information please see the following reports:

- Measles Outbreak in an Unvaccinated Family and a Possibly Associated International Traveler — Orange County, Florida, December 2012–January 2013. *MMWR*. Sep 12, 2014
- Notes from the Field: Measles in a Micronesian Community — King County, Washington, 2014. *MMWR*. Sep 12, 2014
- Measles — United States, January 1–May 23, 2014. *MMWR* May 29, 2014
- Notes from the Field: Measles — California, January 1–April 18, 2014. *MMWR*. Apr 25, 2014

*Jurisdictions refer to any of the 50 states, New York City, and the District of Columbia.

2013

For more information please see the following reports:

- Measles — United States, January 1-August 24, 2013. *MMWR*. Sep 13, 2013
- Notes from the field: Measles outbreak among members of a religious community — Brooklyn, New York, March–June 2013. *MMWR*. Vol 62, No 36;752-3 09/13/2013
- Notes from the field: Measles outbreak associated with a traveler returning from India — North Carolina, April–May 2013. *MMWR*. Vol 62, No 36;753

*Jurisdictions refer to any of the 50 states, New York City, and the District of Columbia.

Learn more

Questions About Measles

Get answers to questions about protecting against measles, measles vaccine and how measles spreads.

History of Measles

SOURCES

CONTENT SOURCE:

National Center for Immunization and Respiratory Diseases (NCIRD)