Centers for Disease Control and Prevention Office of Communications



Clinician Update on Measles Cases and Outbreaks in the United States

Clinician Outreach and Communication Activity (COCA) Call

Thursday, September 11, 2025

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Objectives

At the conclusion of today's session, the participants will be able to accomplish the following:

- Determine which adults may need measles vaccination.
- Discuss how to identify and screen suspected cases of measles using appropriate measles testing.
- Explain the importance of MMR vaccination to eligible patients.

To Ask a Question

- Using the Zoom Webinar System
 - Click on the "Q&A" button
 - Type your question in the "Q&A" box
 - Submit your question
- If you are a patient, please refer your question to your healthcare provider.
- If you are a member of the media, please direct your questions to CDC Media Relations at 404-639-3286 or email media@cdc.gov.

Today's Presenters

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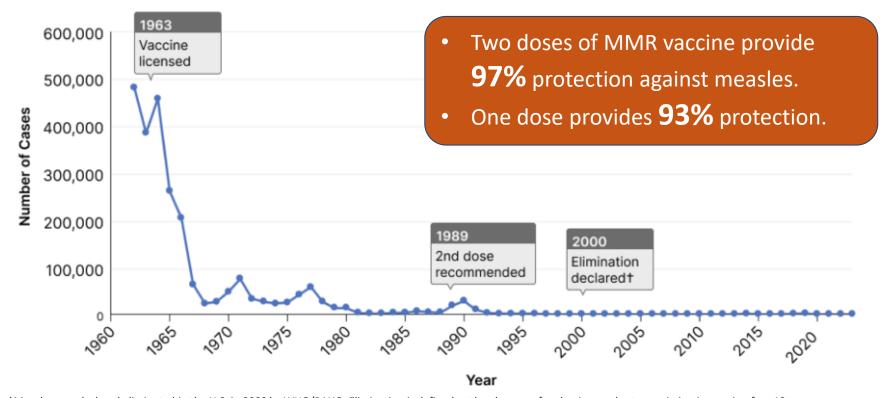
Division of Viral Diseases

National Center for Immunization and Respiratory Diseases

Centers for Disease Control and Prevention

History of Measles and MMR Vaccination in the United States

History of measles cases in the U.S., 1962–2023



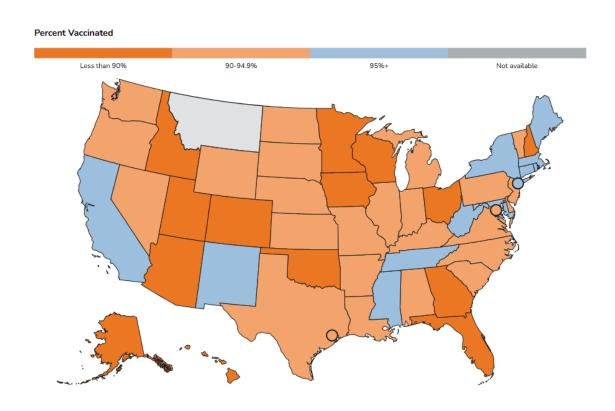
†Measles was declared eliminated in the U.S. in 2000 by WHO/PAHO. Elimination is defined as the absence of endemic measles transmission in a region for ≥12 months in the presence of a well-performing surveillance system.

Most large measles outbreaks since elimination were in undervaccinated, close-knit

communities



Lower MMR vaccination rates increase risk for outbreaks

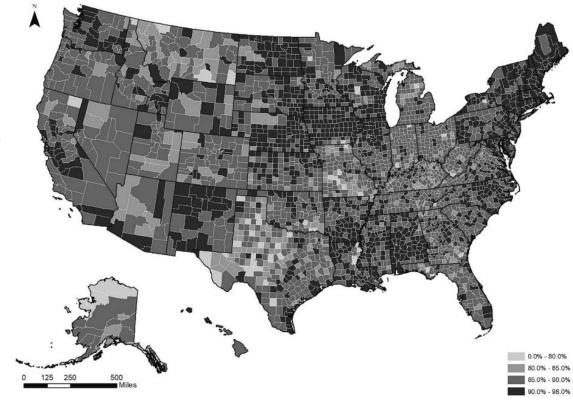


National and State Level 2-dose MMR Coverage among Kindergarteners: 2019/20 → 2024/25

School Year	MMR (2 doses)	MMR <2 or no doses
2019-20	95.2%	194,797
2020-21	93.9%	220,992
2021-22	93.0%	267,425
2022-23	93.1%	261,282
2023-24	92.7%	280,508
2024-25	92.5%	285,755

U.S. MMR vaccine coverage rates vary considerably

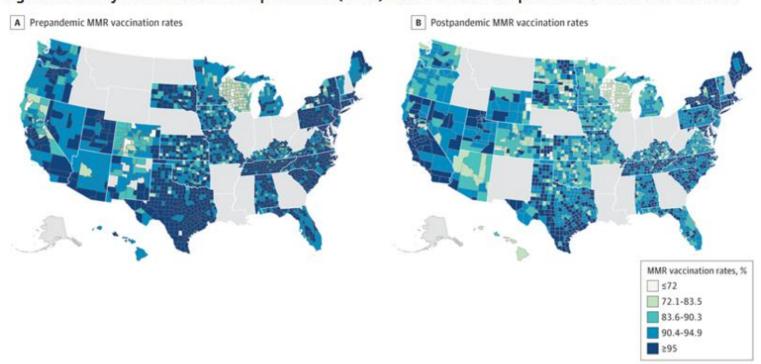
County-level
coverage with
≥1 dose of MMR
vaccine at 24
months of age,
2012-2016 birth
cohort



Seeskin, ZH et al. Estimating county-level vaccination coverage using small area estimation with the National Immunization Survey-Child, Vaccine, Vol 42, Issue 3,2024, Pages 418-425.

MMR rates dropped after the COVID-19 pandemic

Figure 2. County-Level Measles-Mumps-Rubella (MMR) Vaccination or Complete Immunization Series Rates



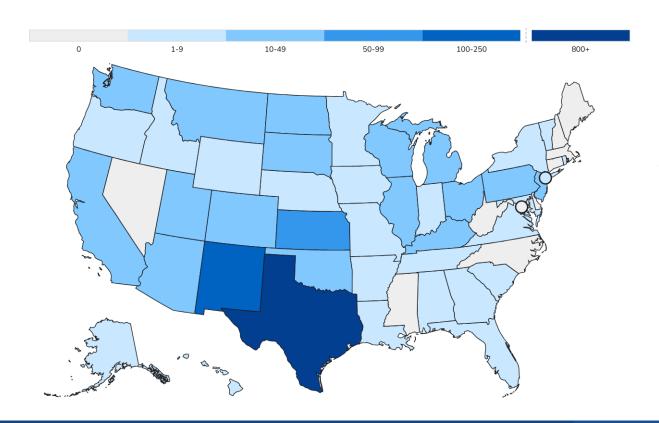
Dong E, Saiyed S, Nearchou A, Okura Y, Gardner LM. Trends in County-Level MMR Vaccination Coverage in Children in the United States. *JAMA*. Published online June 02, 2025.

Where we are today

- → Currently, maintaining measles elimination, despite record number of cases and outbreaks
- → Risk for widespread measles to the general population remains low
- → Global measles activity remains high
- → Communities with low MMR vaccination coverage are at increased risk of outbreaks

Measles Surveillance, 2025

As of September 9, 1,454 confirmed measles cases have been reported in the United States in 2025

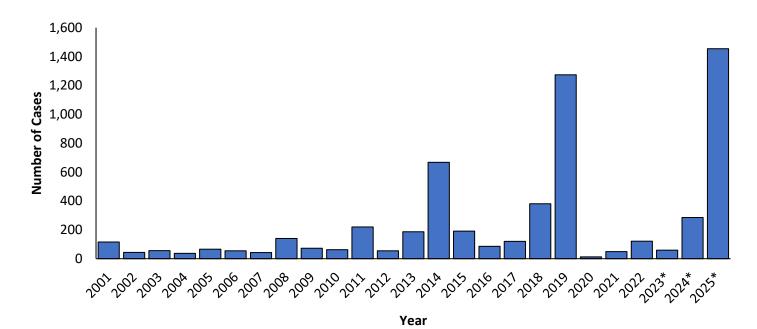


1,433 (99%) cases were among U.S. residents, reported by 42 jurisdictions

Annual U.S. measles cases, 2001–2025

• **2001–2024:** Median 79 cases per year (range: 13–1,274)

• **2025:** 1,454 cases

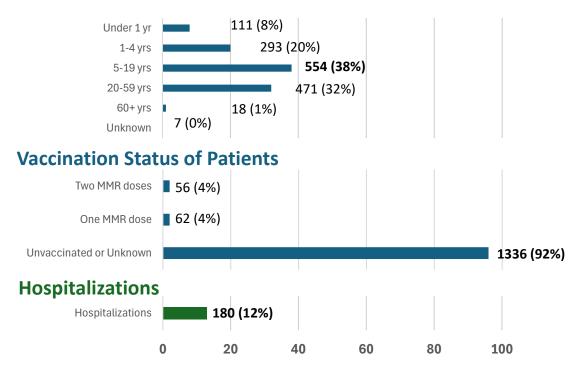


^{*2025} data as of September 9, 2025. Data are preliminary and subject to change Measles Cases and Outbreaks | Measles (Rubeola) | CDC

Demographic and clinical characteristics of U.S. measles cases, 2025

- Median age: 12 years (range: 0-75 years)
- 12% of patients
 hospitalized
 - 95% unvaccinated or unknown
 - 4% one MMR dose
 - 1% two MMR doses
- 3 deaths

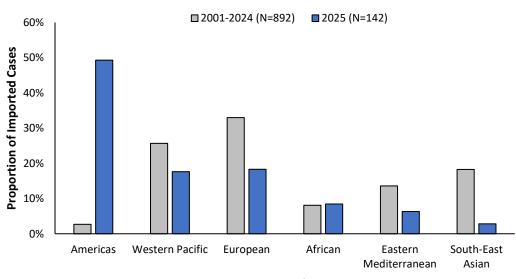




Internationally imported measles cases in the United States

- There have been 142 internationally imported measles cases reported in 2025
 - More importations have been reported to date in 2025 than in any other year post-elimination
- Importations have occurred from countries in all 6 WHO regions
 - In 2025, half of importations (49%) have been reported from countries in the Region of the Americas
 - 46% of all importations came from travel to and from Canada and Mexico

Proportion of internationally imported cases of measles in the Unites States by WHO region

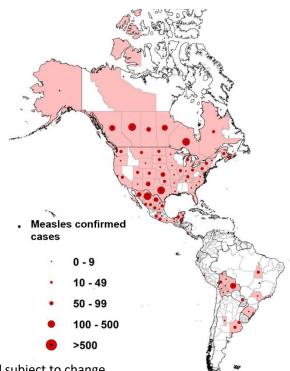


WHO Region

Measles in the Region of the Americas, 2025

Spatial distribution of confirmed measles cases in the Americas, 2025

Country	No. of cases	Week of Last Case
Canada	4,849	8/30/25
Mexico	4,452	8/30/25
Unites States	1,454	8/6/25
Bolivia	274	8/23/25
Brazil	22	8/2/25
Argentina	35	6/28/25
Belize	34	6/28/25
Paraguay	24	8/9/25
Peru	4	5/17/25
Costa Rica	1	5/17/25
Total	11,103	



- This is a **33-fold increase** in measles cases compared to the same period in 2024 (339 cases reported during January–August 2024)
- deaths reported among unvaccinated people in Mexico (18), the U.S. (3), and Canada (1)

 ${\tt Data\ as\ of\ September\ 9,\ 2025.\ Data\ are\ preliminary\ and\ subject\ to\ change}.$

Data available from: Measles and Rubella Weekly Monitoring Report — Canada.ca; Presentación de PowerPoint; Measles/Rubella bi-Weekly Bulletin - PAHO/WHO | Pan American Health Organization

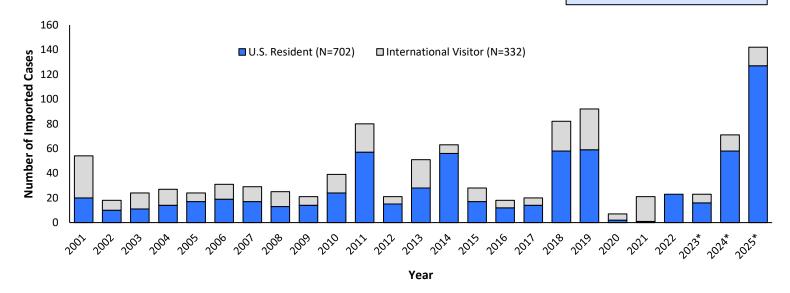
Measles cases are imported primarily by unvaccinated U.S. residents who traveled abroad

2001–2025: Total of 1,034 importations

2001–2024: Median 26 importations per year (range: 7–92)

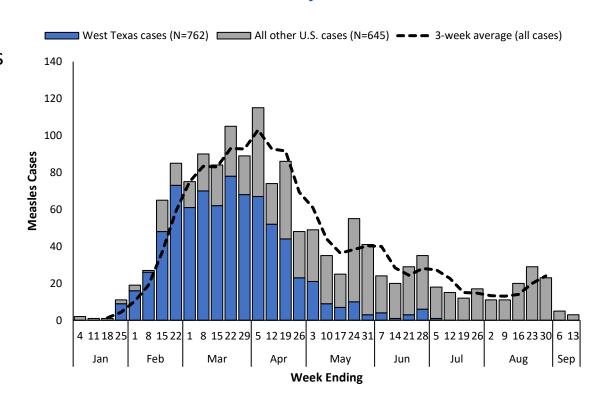
• **2025:** 142 importations

Overall, 702 (68%) of measles importations from 2001 to 2025 occurred among U.S. residents



Measles outbreaks in the United States, 2025

- There have been 37 measles outbreaks reported in 2025
- Most outbreaks have been small, household outbreaks
 - 30 of all outbreaks (81%) have included ≤10 cases
- West Texas outbreak cases accounted for 52% of all reported measles cases in 2025 (762 of 1,454)



Measles in pregnancy

- Cases of measles have been reported among pregnant women during 2025
- Measles pregnancy complications include:
 - Preterm labor
 - Miscarriage or fetal demise
- Measles can transmit vertically to the fetus, and can result in congenital measles





Knowledge Check 1

- Most imported measles cases have been among undervaccinated international visitors to the U.S.
 - True
 - False

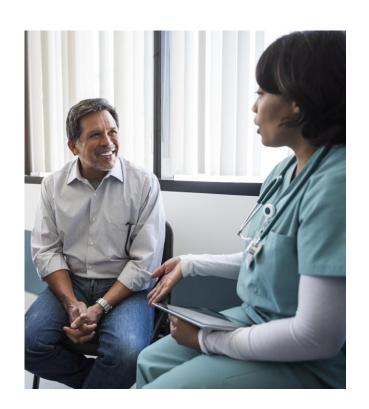
Knowledge Check 1 (Answer)

- Most imported measles cases have been among undervaccinated international visitors to the U.S.
 - True
 - False

Measles – Common Clinical Scenarios

Case 1: Primary Care Clinic

- You are seeing a 62-year-old man for a routine appointment. He notes that he has been hearing about measles outbreaks in the United States and wants to know if he needs any additional measles vaccines. He received one dose of a live-attenuated measles vaccine as a child per his vaccine records. He has hypertension and pre-diabetes, but doesn't have any other medical problems.
- What other questions do you want to ask to determine whether a dose of MMR is recommended for him?



MMR vaccination recommendations for adults

MMR Recommendation for Adults:

- Adults born before 1957 have presumptive immunity to measles.
- One dose of MMR vaccine, or other presumptive evidence of immunity, is sufficient for most other adults.
- Some adults are recommended to have 2 doses of MMR. However, there is no broad recommendation for a catch-up program among adults for a second dose of MMR.

What if my adult patient thinks they were vaccinated as a child, but they have no records?

- If born before 1957, no vaccination is recommended.
- If born during or after 1957, two options:
 - Provide a dose of MMR, and consider if they are recommended to get 2 doses
 - Check for evidence of immunity (IgG testing)

Which adults should have 2 MMR doses?

Some adults are recommended to have **two doses separated by at least 28 days**, including adults at higher risk of transmission. These adults include:

- Students at post-high school educational institutions
- Healthcare personnel
- International travelers
- People who public health authorities determine are at increased risk for getting measles during a measles outbreak
- Adults who are household or close contacts with people who are immunocompromised
- Adults living with HIV who are not severely immunocompromised (i.e., who can receive MMR)

State and local health departments may issue recommendations during an outbreak

- Public health authorities
 determine who is at increased risk
 for getting measles during a local
 measles outbreak
 - Local residents may be recommended to have 2 doses
 - Travelers to regions with these recommendations should follow the same guidance



What about the inactivated measles vaccine?

- During 1963–1967, an inactivated vaccine was available in the United States. Less than a million people received this vaccine (<5% of measles vaccine recipients).
 - Later research found that this vaccine was less effective than the live-attenuated vaccine, and it was removed from the market.
 - All measles vaccines provided in the U.S. since 1968 have been live-attenuated measles vaccines that are highly effective.

My patient received a dose of measles vaccine in 1965, does it count as a valid dose?

- If the vaccine is clearly marked as live-attenuated, it is a valid dose.
- If the vaccine is marked as the "killed" or "inactivated" vaccine, it is not a valid dose.
- If the type of vaccine administered is not clear, it should **not** be considered a valid dose.

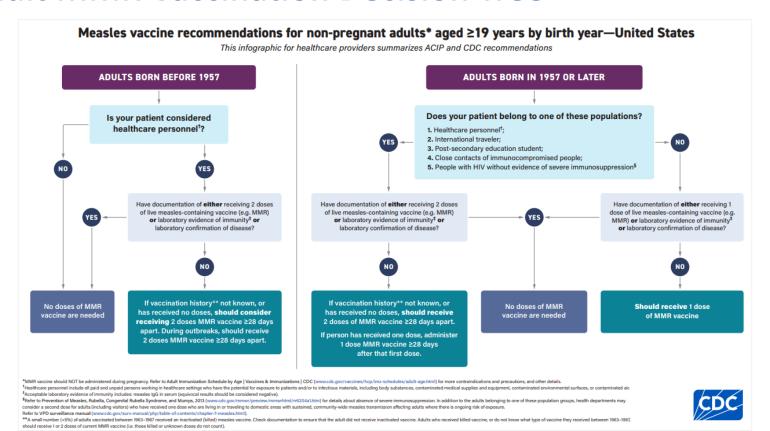
What about IgG testing for people with 2 doses?

- Most people who received 2 doses of MMR are considered presumptively immune to measles, regardless of the results of serologic testing:
 - MMR doses must be separated by at least 28 days
 - MMR doses must be received at age 12 months or older

My patient received two MMR doses, one at 12 months and one at 4 years of age. Should I check for immunity if they are traveling abroad?

- Serologic testing is not recommended to confirm immunity.
- If the IgG test is negative or equivocal, MMR vaccination is not recommended by CDC.
- Documented age-appropriate vaccination supersedes the results of serologic testing.
 - Special circumstance: If a woman of reproductive age has 2 MMR doses but tests negative for *rubella* immunity, an additional MMR dose can be provided. No further serologic testing is recommended to confirm measles or rubella immunity.

Adult MMR Vaccination Decision Tree



Case 2: Travel Health Clinic

- A mom brings her 10-month-old in for a travel health visit. They will be leaving for Spain next month, and she wants to know what she needs to do for herself and her baby. Mom received one dose of MMR as a child, and it is recorded in her immunization records. Her daughter is up to date with all of her recommended vaccines.
- What do you recommend?



Recommendations for travelers

- Clinicians should recommend vaccination for anyone aged 6 months or older traveling internationally who does not have written documentation of vaccination or other evidence of measles immunity.
- Acceptable evidence of immunity against measles includes at least one of the following:
 - Written documentation of adequate vaccination
 - Laboratory evidence of immunity
 - Laboratory confirmation of measles
 - Birth before 1957
- After domestic travel to an area with an ongoing outbreak or international travel, watch for signs and symptoms of measles for 3 weeks after returning to the United States.



Recommendations for travelers (continued)

- Infants 6 months of age or older should receive MMR vaccine prior to international travel or as recommended by public health officials in domestic outbreak settings.
 - MMR is not licensed for children <6 months of age.
- Infants 6 through 11 months who receive an early dose of MMR vaccine (i.e., infant dose) should get 2 more doses after their first birthday. Subsequent doses should follow CDC's recommended childhood schedule:
 - Another dose at 12 through 15 months of age.
 - A final dose at 4 through 6 years of age.
- Children 12 months of age or older, teenagers, and adults are recommended to have 2 total doses prior to international travel. If previously unvaccinated, a traveler can receive first dose of MMR immediately and can get second dose 28 days after first dose.

Case 2: Recommendations

- The mother should receive 1 dose of MMR prior to travel; she will now have 2 documented MMR doses.
- The infant should receive a dose of MMR, followed by 2 more doses after 1st birthday, per the routine schedule.
- Vaccination ideally would take place at least 2 weeks before travel but can happen closer to travel if not possible.



Recommendations for travelers - Scenarios

- 2-year-old patient going to Cancun with 1 dose of MMR at 15 months
 - Give an MMR dose, ideally 2 weeks before travel
 - No further MMR doses are required, meets the 2-dose school entry requirement
- 8-month-old going to Toronto to visit family, no prior MMR doses
 - Give an MMR dose
 - 2 more MMR doses recommended per routine schedule, starting at 12 months of age
- 14-year-old with unknown vaccination history, planning to study abroad
 - 2 doses of MMR, separated by at least 28 days



Vaccination after measles infection

- Patients with a previously documented laboratory-confirmed measles infection are considered to have life-long immunity for measles.
 - They don't need MMR vaccination for *measles* protection.
- It is still recommended that they be up-to-date with MMR vaccination to protect against mumps and rubella.

Knowledge Check 2

- A healthy patient who is 65 years old (born 1960) reported having measles as a child and has not received an MMR vaccine previously.
 Should they get an MMR vaccine?
 - Yes
 - No

Knowledge Check 2 (Answer)

- A healthy patient who is 65 years old (born 1960) reported having measles as a child and has not received an MMR vaccine previously.
 Should they get an MMR vaccine?
 - Yes
 - No

Knowledge Check 3

A patient who is 50 years old has had two doses of MMR as a child, at ages 1 and 6. They had a titer to test for immunity to measles, and it was negative. Should they receive another dose of MMR?

- Yes
- No

Knowledge Check 3 (Answer)

A patient who is 50 years old has had two doses of MMR as a child, at ages 1 and 6. They had a titer to test for immunity to measles, and it was negative. Should they receive another dose of MMR?

- Yes
- No

Knowledge Check 4

- A patient's immunization records show that they received a *Pfizer-Vax Measles-K,* killed measles vaccine in 1964 at 3 years of age (born 1961). They had no other immunizations for measles on their immunization record. Should they receive a dose of MMR vaccine now?
- Yes
- No

Knowledge Check 4 (Answer)

A patient's immunization records show that they received a *Pfizer-Vax Measles–K*, killed measles vaccine in 1964 at 3 years of age (born 1961). They had no other immunizations for measles on their immunization record. Should they receive a dose of MMR vaccine now?

- Yes
- No

Case 3: Pediatric acute care visit

- A 15-month-old otherwise healthy infant presents to their primary pediatrician
 - At an urgent care visit 2 days ago, family reported 2 days of low-grade fever, fussiness, and a faint maculopapular rash
 - A viral exanthem panel detected measles virus
 - Fever has resolved, and the rash is beginning to fade
- They received their first MMR dose 12 days ago
- What should be your next steps?

MMR can cause a self-limited rash

- MMR can cause a short-lived febrile rash syndrome that is not contagious to others.
- Fever can be seen in up to 15% of vaccinees, especially after 1st dose.
- Rash can be seen in up to 5% of vaccinees.
 - Rash can mimic measles (starts on the face, full-body) but this is not as common.
- Vaccine reactions are generally mild and selflimited.
- Symptoms usually occur within 7-18 days after vaccination.



Measles vaccine strain virus can be detected by PCR

- Measles vaccine strain virus can be detected after receipt of any live-attenuated measles vaccine (MMR, MMRV), even if a vaccine reaction does not occur
 - Usually detectable during 28 days after vaccination, but prolonged detection (28+ days) has been reported
- Measles PCR alone cannot differentiate detection of vaccine strain virus vs. wild-type measles virus
- MeVA is a specialized PCR test that can determine vaccine strain vs. wild-type measles virus detection
 - Genotyping also provides this information, but with longer turnaround time
 - MeVA and genotyping available primarily at public health reference laboratories



What are the next steps?

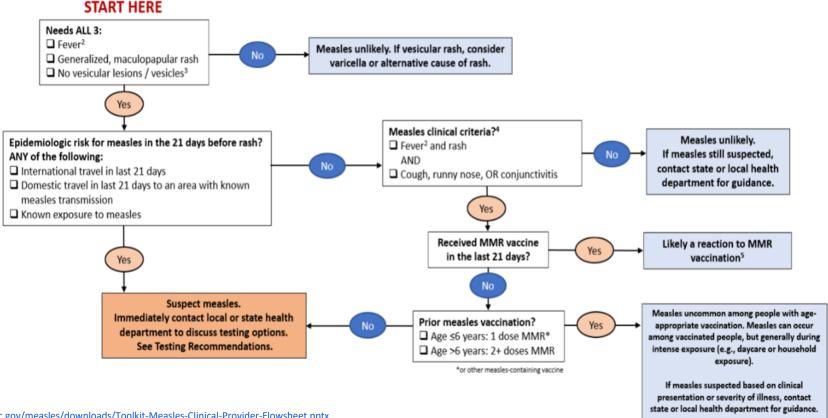
- Main action item is to evaluate for epidemiologic risk of measles infection (known exposure, international travel, or local outbreak)
- If epidemiologic risk:
 - Contact public health authorities
 - Arrange for appropriate testing
- If no epidemiologic risk for measles:
 - Manage symptoms, provide reassurance
 - If still concerned for acute measles (e.g., severity), contact public health authorities







Evaluating a patient presenting with rash when there is no local measles transmission



Is MMR vaccine safe for people who live with people who are immunocompromised?

Measles vaccine strain virus:

- Measles vaccine RNA can be detected by PCR up to 28+ days after MMR
- Vaccine-strain measles virus is weakened (attenuated)
 - After vaccination, people **cannot** spread measles vaccine strain virus to others

People who live with or have close contact with people who themselves cannot receive MMR (young infants, pregnant women, and immunocompromised people) can be vaccinated without any precautions. Vaccination of the people around those who cannot directly receive vaccination offers indirect protection.



Infants aged <6 months



Pregnant women



Immunocompromised

Is MMR vaccine safe for women who are breastfeeding?

- It is safe for breastfeeding women to receive MMR vaccination.
- Breastfeeding does not interfere with the response to MMR vaccine and the baby will not be affected by the vaccine through breast milk.



Knowledge Check 5

A patient received their first dose of MMR two weeks prior and now presents with a measles-like rash. A throat swab RT-PCR is positive for measles. MeVa testing indicates that measles vaccine strain virus was detected. Does the health department need to track their contacts and provide postexposure prophylaxis?

- Yes
- No

Knowledge Check 5 (Answer)

A patient received their first dose of MMR two weeks prior and now presents with a measles-like rash. A throat swab RT-PCR is positive for measles. MeVa testing indicates that measles vaccine strain virus was detected. Does the health department need to track their contacts and provide postexposure prophylaxis?

- Yes
- No

Case 4 – Modified Measles

- A 25-year-old woman presents to her PCP. A week ago, she experienced 2 days of low-grade fever followed by a maculopapular rash that began on her chest and spread to her abdomen and arms. The rash started 5 days ago and has begun to fade.
- She received 2 doses of MMR at ages 1 and 6. She has no medical conditions.
- She recently traveled to Vietnam to visit family and returned 10 days ago.
 A family member in Vietnam she was staying with was just diagnosed with measles.
- You think this might be measles, but it doesn't match all the symptoms.
 How should you proceed?

Measles after vaccination

- Despite high vaccine effectiveness, people with prior vaccination against measles can develop measles through two main pathways:
 - Primary vaccine failure: Failure to respond to prior MMR dose more common if only 1 prior dose
 - Secondary vaccine failure: Measles despite pre-existing immunity more common if 2 prior doses
 - More common when there is a high intensity of exposure, such as in a household
- Secondary vaccine failure cases are rare, and there are still benefits to vaccination
 - Less likely to be severely ill (be hospitalized, develop pneumonia)
 - Less likely to transmit measles to others
- For people with pre-existing measles vaccination, clinicians should be aware that measles infection may be modified
 - Respiratory symptoms may be absent or attenuated
 - Rash may be atypical (starting not on the face) and more limited in scope

Testing for measles

- Diagnostic evaluation of measles should include:
 - Both molecular testing (rRT-PCR) and serology (IgM)
 - Consideration of the clinical and epidemiologic context (e.g., travel history, vaccination status)



Testing for measles (continued)

- Diagnostic evaluation of measles should include:
 - Both molecular testing (rRT-PCR) and serology (IgM)
 - Consideration of the clinical and epidemiologic context (e.g., travel history, vaccination status)
- In this case, with rash 5+ days ago:
 - Consider getting NP/OP and urine for rRT-PCR, to improve sensitivity
 - Consulting public health authorities early when measles is suspected can help ensure that the right tests are done, and specimens are routed appropriately

Knowledge Check 7

- How does a measles infection in someone with prior immunity from vaccination differ from a measles infection in someone without prior immunity?
 - A. The measles rash may be atypical
 - B. The person is less likely to have complications
 - C. The person is less likely to transmit measles to others
 - D. All of the above

Knowledge Check 7 (Answer)

- How does a measles infection in someone with prior immunity from vaccination differ from a measles infection in someone without prior immunity?
 - A. The measles rash may be atypical
 - B. The person is less likely to have complications
 - C. The person is less likely to transmit measles to others
 - D. All of the above

Be Ready for Measles

Resources for healthcare providers and healthcare settings

Updated Interim Infection Prevention and Control Recommendations for Measles in Healthcare Settings

- Updated in July 2025 with additional considerations, including:
 - Working with facilities engineers to identify appropriate isolation space
 - Clarifying isolation recommendations



New customizable resources to support measles infection prevention and control in healthcare settings

- 1. Measles Assessment Tool for Infection Control in Healthcare Settings
- 2. Step-by-Step Measles Exposure Guide for Healthcare Settings
- 3. Sample Measles Exposure Notification Letter
- 4. Sample Measles Exposure Script



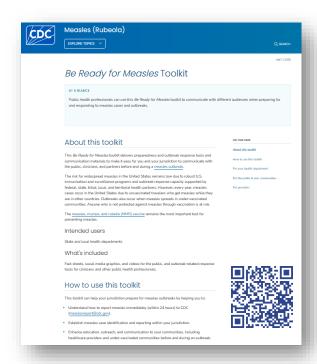
Overview of the Be Ready for Measles Toolkit

CDC's *Be Ready for Measles* toolkit delivers preparedness and outbreak response tools and communication materials to support jurisdictions communication with the public, clinicians, and partners before and during a measles outbreak.





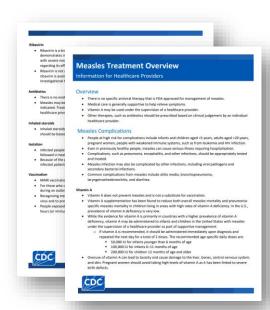




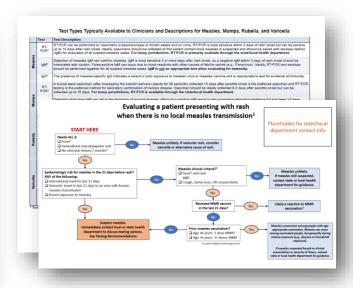
cdc.gov/measles/php/toolkit/index.html

Resources for Healthcare Providers

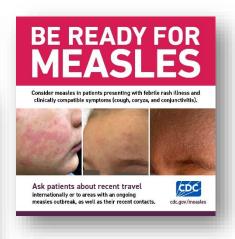
Fact sheets



Outbreak response tools



Social media graphic



Measles Checklist for Healthcare Workers

RESPONDING TO MEASLES IN CLINICAL SETTINGS

IMMEDIATE ACTIONS: WHAT TO DO IN THE FIRST 10 MINUTES AFTER MEASLES IS SUSPECTED



When a healthcare worker, patient, or visitor has measles symptoms, take these actions IMMEDIATELY:

- Identify persons with known or suspected measles and isolate them in an AIIR (if available) or private room with the door shut to protect others from exposure.
- Limit spread by giving the person a mask (if 2 years and older) to wear until isolated in AIIR or until they have left the facility. To limit the spread of respiratory secretions, masks should be well-fitting and cover the person's mouth and nose.
- □ Protect yourself by wearing a fit-tested, N95 or higher-level respirator, even if you are vaccinated, when entering the isolation room. Rarely, a person with measles immunity can still get measles, so all healthcare workers should follow Standard and Airborne Precautions when caring for the patient.

- Inform your facility's IP or health department as soon as possible. They will have further guidance for isolation, testing, care, and transport, if needed, for the person with measles symptoms and for preventing measles among exposed individuals.
- Seek emergency care for any patient experiencing signs of severe disease. If transferring to another health facility, be sure to alert the facility in advance of your concern for measles so they can put in place appropriate precautions.



PREPARING AND RESPONDING TO MEASLES: Checklist for Healthcare Workers



WHY SHOULD HEALTHCARE WORKERS PREPARE FOR MEASLES?

Measles is caused by a highly contagious virus that spreads through the air when an infected person coughs or speezes. If one person has measles, up to 9 in 10 people nearby will become infected if they are not protected.

The risk for widespread measles in the US remains low. However, measles cases occur in the US, every year when unvaccinated travelers get measles while they are in other countries. Outbreaks also occur when measles spreads in under-vaccinated communities. Avvorse without immunity to measles is at risk.

A person with measles can present for care to any type of healthcare facility. Having a plan in place to respond when measles is suspected can protect healthcare workers, patients, and visitors. This checklist highlights several key action items

PREPARE FOR MEASLES BEFORE SEEING PATIENTS

- Be familiar with CDC's guidance on measles vaccination and interim infection prevention and control recommendations for measles.
- Know how to inform your facility's infection preventionist (IP) and health department for assistance when measles is suspected in healthcare workers, patients, and/or visitors.
- Develop a plan and discuss any questions you may have with your facility's IP or with your health department.
- Identify which of your patients do not have presumptive evidence of measles immunity and be prepared to talk with them about MMR vaccination if they are eligible.
- Check that you are immune to measles with two doses of MMR or other presumptive evidence of measles immunity.
- » If you do not have presumptive evidence of measles immunity, talk with your occupational health program or similar entity about vaccination, if eligible.
- CDC recommends that healthcare workers without presumptive evidence of measles immunity be excluded from work if they are exposed to measles.

- If you have not been fit-tested for a NIOSH-approved N95 or higher-level respirator within the last 12 months, confirm whether fit-testing is needed with your occupational bealth purgram
- The respirator you need should be available in the areas you work.
- Know how to identify measler
- Stay Alert for patients with fever and other early signs and symptoms of measles:
- First symptoms: Fever with cough, runny nose, and/ or red, watery eyes
- 3–5 days after symptoms start: Rash (flat, red spots that appear on the face at the hairline and spread downward to the neck, torso, arms, legs, and feet)
- Assume a patient has measles if they have measles symptoms and at least one of the following:
- Spent time in an area in the U.S. with a known measles outbreak
- · Was recently around someone else with measles



Need additional materials?



Communication materials for the public are available in additional languages and as editable or printer-friendly versions upon request.

To request these, please email: <u>measlesresources@cdc.gov</u>

Additional Resources for Clinicians

- Clinical Overview of Measles | CDC
 - www.cdc.gov/measles/hcp/clinical-overview/index.html
- Interim Infection Prevention and Control Recommendations for Measles in Healthcare Settings | CDC
 - www.cdc.gov/infection-control/hcp/measles/index.html
- Measles Resources for Healthcare Providers | CDC
 - https://www.cdc.gov/measles/php/toolkit/index.html#cdc toolkit main toolkit
 cat 2-for-providers

To Ask a Question

- Using the Zoom Webinar System
 - Click on the "Q&A" button
 - Type your question in the "Q&A" box
 - Submit your question

- If you are a patient, please refer your question to your healthcare provider.
- If you are a member of the media, please direct your questions to CDC
 Media Relations at 404-639-3286 or email media@cdc.gov.

TRAIN

- CDC has fully transitioned from Training and Continuing Education Online (TCEO) to CDC TRAIN (https://www.train.org/cdctrain).
- Transcripts & Certificates: You can access and download CE transcripts and certificates in TCEO through the end of 2025.
- Instructions will be available on both platforms and a learner support team will be available to answer questions.

Continuing Education

- All continuing education for COCA Calls is issued online through CDC TRAIN at CDC TRAIN (https://www.train.org/cdctrain).
- To receive continuing education (CE) for WC4520R-091125—Clinician Update on Measles Cases and Outbreaks in the United States, please visit <u>CDC TRAIN</u> and search for the course in the Course Catalog using WC4520R-091125. Follow the steps below by October 13, 2025. The registration code is COCA091125.
- To receive continuing education (CE) for WD4520R-091125—Clinician Update on Measles Cases and Outbreaks in the United States, please visit <u>CDC TRAIN</u> and search for the course in the Course Catalog using WD4520R-091125. Follow the steps below between October 14, 2025, and October 14, 2027.

Today's COCA Call will be Available to View On-Demand

When: Next week

What: Closed caption recording and transcript

Where: On the COCA Call webpage:
 https://www.cdc.gov/coca/hcp/trainings/clinician update measles cases in us.html

Join Us for the Next COCA Call

Date: Thursday, September 18, 2025

• **Time:** 2:00–3:00 P.M. ET

• **Topic:** The Path of Yeast Resistance: Drug-resistant *Candida* on the Rise

Website: https://www.cdc.gov/coca/hcp/trainings/drug-resisitant-candida.html

Additional Resources

- Continue to visit https://www.cdc.gov/coca/hcp/trainings/index.html to get more details about upcoming COCA Calls.
- Subscribe to receive notifications about upcoming COCA calls and other COCA products and services at https://www.cdc.gov/coca/hcp/trainings/index.html.

Thank you for joining us today!

http://cdc.gov/coca

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

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.

