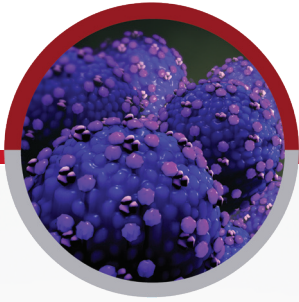


EMERGING PATHOGEN ALERT

Measles



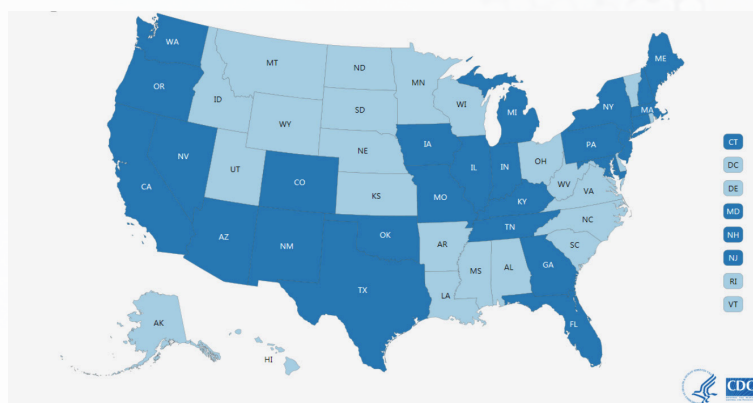
Pathogen Profile¹

- Measles is caused by a single-stranded, enveloped RNA virus with 1 serotype.
- Humans are the only natural hosts of measles virus.
- Measles is an acute viral respiratory illness.
- Clinical symptoms present with onset of fever (as high as 105°F) with malaise, cough, nasal inflammation, conjunctivitis, and Koplik spots (small red lesions on inside of mouth/cheek, characteristic of Measles).
- A rash characterized by a flat, red area on the skin that is covered with small confluent bumps usually appears about 14 days after a person is exposed.
- The rash spreads from the head to the trunk to the lower extremities.
- Serious complications may occur with Measles.
- Persons at high risk for severe illness and complications from measles include:
 - Infants and children aged <5 years
 - Adults aged >20 years
 - Pregnant women
 - People with compromised immune systems, such as from leukemia and HIV infection

Situation^{1,2}

- In year 2000, measles was declared eliminated from the United States; elimination is defined as the absence of endemic measles virus transmission in a defined geographic area for 12 months or longer in the presence of a well-performing surveillance system.
- Measles cases/outbreaks still occur every year in the United States due to measles still commonly transmitted in many parts of the world and being brought into the United States.
- Worldwide, 19 cases of measles/1 million persons are reported annually; an estimated 89,780 die each year
- From January 1 to May 24, 2019, 940 individual cases of measles (case count is preliminary; subject to change) have been confirmed in 26 states.
- This is the greatest number of cases reported in the United States since 1994 and since measles was declared eliminated in 2000.

U.S. States with Reported Measles Cases as of 5.24.19



Measles Reported

■ reported cases

■ no reported cases

Routes of Transmission - How is Measles Spread?^{1,2}

- The majority of people who get measles are unvaccinated.
- Measles is still common in many parts of the world; travelers with measles continue to bring the disease into the United States.
- Measles can spread when it reaches a community in the U.S. where groups of people are unvaccinated.
- Measles is a highly contagious virus that lives in the nose and throat mucus of an infected person.
- It can spread to others through coughing and sneezing.
- Measles virus can live for up to 2 hours in an airspace where the infected person coughed or sneezed.
- If other people breathe the contaminated air or touch the contaminated surface, then touch their eyes, noses, or mouths, they can become infected if not already immune.
- Measles is so contagious that if one person has it, up to 90% of the people close to that person who are not immune will also become infected.
- Infected people can spread measles to others from 4 days before through 4 days after the rash appears.

Precautions and Infection Control³

- Measles vaccination is key to prevention: one dose of MMR vaccine is approximately 93% effective at preventing measles; two doses are approximately 97% effective.
- People exposed to measles who cannot show that they have evidence of immunity against measles should be offered post-exposure prophylaxis (PEP) or be excluded from work, school, hospital, childcare, etc.
- Infected people should be isolated for 4 days after they develop a rash; airborne precautions should be followed in healthcare settings.
- Airborne isolation protocols should be followed in healthcare including the appropriate use of personal protective equipment (including respirator), hand hygiene, and environmental disinfection.



SUGGESTED PDI PRODUCTS

Super **Sani-Cloth**[®], **Sani-Cloth**[®] AF3, **Sani-Cloth**[®] Prime, and **Sani-Cloth**[®] Bleach wipes have efficacy claims against enveloped viruses. Refer to Technical Data Bulletins for specific claims.

Sani-Cloth[®] HB wipes contain an efficacy claim specific to Measles virus in addition to other enveloped viruses. Refer to Technical Data Bulletin for list of claims.

	REORDER NO.	WIPE SIZE	CASE PACK	CASE WGT	CASE CUBE	PALLET TI/HI
Super Sani-Cloth[®] Germicidal Disposable Wipe						
Large Canister	Q55172	6" X 6.75"	12/160's	26.00 lbs	1.55 ft	10/3
Extra Large Canister	Q86984	7.5" X 15"	6/65's	15.30 lbs	1.01 ft	10/4
Sani-Cloth[®] AF3 Germicidal Disposable Wipe						
Large Canister	P13872	6" X 6.75"	12/160's	26.00 lbs	1.55 ft	10/3
Extra Large Canister	P63884	7.5" X 15"	6/65's	15.30 lbs	1.01 ft	10/4
Portable Pack	M8063S80	8.2" X 9.8"	9/80's	18.05 lbs	0.95 ft	10/4
Pail	P1450P	7.5" X 15"	2/160's	12.40 lbs	0.95 ft	10/5
Refill (for Pail)	P2450P	7.5" X 15"	2/160's	11.10 lbs	0.53 ft	18/4
Sani-Cloth[®] Prime Germicidal Disposable Wipe & Sani-Prime[®] Germicidal Spray						
Large Canister	P25372	6" X 6.75"	12/160's	16.00 lbs	1.41 ft	10/3
Extra Large Canister	P24284	7.5" X 15"	6/70's	27.84 lbs	1.01 ft	10/4
Spray Bottle	X12309	n/a	9/32oz per bottle	19.24 lbs	0.83 ft	12/4
Sani-Cloth[®] Bleach Germicidal Disposable Wipe						
Large Canister	P54072	6" X 10.5"	12/75's	22.65 lbs	1.54 ft	10/3
Extra Large Canister	P25784	7.5" X 15"	6/65's	20.50 lbs	1.01 ft	10/4
Pail	P7007P	7.5" X 15"	2/160's	16.50 lbs	0.95 ft	10/5
Refill (for Pail)	P700RF	7.5" X 15"	2/160's	15.20 lbs	0.53 ft	18/3
Sani-Cloth[®] HB Germicidal Disposable Wipe						
Large Canister	Q08472	6" X 6.75"	12/160s	26.00 lbs	1.55 ft	10/3
Extra Large Canister	Q85484	7.5" X 15"	6/65's	15.30 lbs	1.01 ft	10/4

References:

¹<https://www.cdc.gov/measles/hcp/index.html>

²<https://www.cdc.gov/measles/cases-outbreaks.html>

³<https://www.cdc.gov/measles/hcp/index.html#vaccination>

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