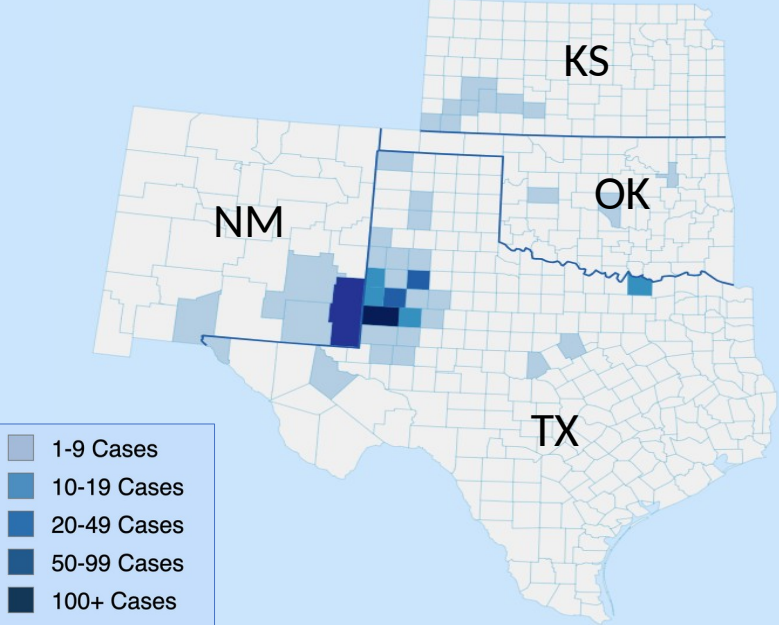


YALE SCHOOL OF PUBLIC HEALTH - ESF-8 VIRTUAL MEDICAL OPERATION CENTER SPECIAL REPORT




# MEASLES OUTBREAK - SOUTHWEST U.S. - 2025

TOTAL: 739



Created with mapchart.net

## MORBIDITY AND MORTALITY

STATE	CASES 	HOSPITALIZATIONS 	DEATHS 
TX	624 (+27)	64 (+2)	2
NM	65 (+2)	6	1
OK	13 (+1)	0	0
KS	37	1	0
TOTAL	739 (+30)	71 (+1)	3

## BACKGROUND

## TIMELINE

## CURRENT SITUATION

## MEASLES IN AN URBAN SETTING

## EPI CURVE / CASES OVER TIME

## EPI SUMMARY

## US OUTLOOK

## MEXICO

## CANADA

## CONTRIBUTORS

4/22/2025  
2200 HRS EDT

## RISK ASSESSMENT IN OUTBREAK AREAS

Risk for Localized Spread	Risk to unvaccinated populations in and around the outbreak areas	Risk to Children	Potential for sustained transmission
HIGH	HIGH	HGH	HIGH

## LINKS

### TEXAS LINKS

- [TEXAS DEPARTMENT OF STATE HEALTH SERVICES](#)
- [FACEBOOK](#) | [X](#)
- [HEALTH ALERTS](#)
- [THE SOUTH PLAINS PUBLIC HEALTH DISTRICT](#)

### NEW MEXICO LINKS

- [NEW MEXICO DEPARTMENT OF HEALTH](#)

### OKLAHOMA LINKS

- [OKLAHOMA STATE DEPARTMENT OF HEALTH](#)

### KANSAS

- [KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT](#)

### RESOURCES FOR HEALTHCARE PROVIDERS

- [CDC - MEASLES FOR THE HEALTHCARE PROFESSIONALS](#)
- [CDC VIDEO: MEASLES CLINICAL FEATURES AND DIAGNOSIS](#)
- [CDC CLINICAL IMAGES OF MEASLES](#)
- [CDC LABORATORY TESTING FOR MEASLES](#)
- [CDC ROUTINE VACCINATION RECOMMENDATIONS](#)
- [CDC ISOLATION RECOMMENDATIONS](#)
- [CDC: MEASLES CONTROL IN HEALTHCARE SETTINGS](#)
- [CDC ALERT SIGN INFOGRAPHIC](#)
- [CDC POSTER FOR OFFICE DISPLAY](#)
- [NY HEALTH: RECOGNIZING MEASLES FACT SHEET](#)
- [NY HEALTH: DEALING WITH VACCINE HESITANCY](#)
- [MEASLES POST-EXPOSURE PROPHYLAXIS](#)
- [MEASLES REVIEW FOR PROVIDERS](#)

### MEASLES TESTING LABORATORIES

- [CDC MEASLES VIRUS LABORATORY](#)

### RESOURCES FOR THE PUBLIC

- [CDC - MEASLES](#)
- [MEASLES CASES AND OUTBREAKS](#)
- [NYSDOH: YOU CAN PREVENT MEASLES](#)
- [CDC VIDEO: GET VACCINATED AND PREVENT MEASLES](#)
- [CDC VACCINE SHOT FOR MEASLES](#)
- [DIRECTORY FOR LOCAL HEALTH DEPARTMENTS](#)

### RESOURCES FOR EMS PROVIDERS

- [GUIDANCE FOR SUSPECTED MEASLES PATIENTS](#)
- [NYSDOH POLICY STATEMENT](#)

### PORTALS, BLOGS, AND RESOURCES

- [CIDRAP](#)
- [CORI](#)
- [FORCE OF INFECTION](#)
- [KAISER HEALTH NEWS](#)
- [MEDPAGE TODAY](#)
- [NY STATE GLOBAL HEALTH UPDATE](#)
- [THE PANDEMIC CENTER TRACKING REPORT](#)
- [YOUR LOCAL EPIDEMIOLOGIST](#)

# BACKGROUND

## TYPE OF PUBLIC HEALTH EMERGENCY: [LARGE REGIONAL MEASLES OUTBREAK](#)

### OVERVIEW:

A measles outbreak originating in **West Texas** has spread in the US to **New Mexico, Oklahoma, and Kansas**, resulting in **71 hospitalizations** and **3 confirmed deaths** — including **two previously healthy children** in Texas and **one adult** in New Mexico. These are the **first U.S. measles deaths since 2015**, and the **first pediatric deaths since 2003**. Genetic and epidemiological evidence suggests this outbreak has also seeded the current outbreak in Chihuahua, Mexico, indicating clear cross-border transmission.

### THE VIRUS:

[Measles](#) is a highly contagious viral disease transmitted primarily through **respiratory droplets** from coughing or sneezing. Symptoms include **high fever, cough, runny nose, conjunctivitis**, and a distinctive **red, blotchy rash**. The virus can remain **airborne or infectious on surfaces for up to two hours**, contributing to its rapid spread.

Despite being preventable through the [MMR](#) (measles, mumps, and rubella) vaccine, outbreaks continue to occur in under-vaccinated communities, leading to severe health outcomes and increased transmission risk ([CDC](#)).

### FACTORS DRIVING THIS OUTBREAK:

- Low vaccination rates
- High levels of vaccine hesitancy and misinformation
- Community mistrust in public health authorities, heightened by post-pandemic attitudes

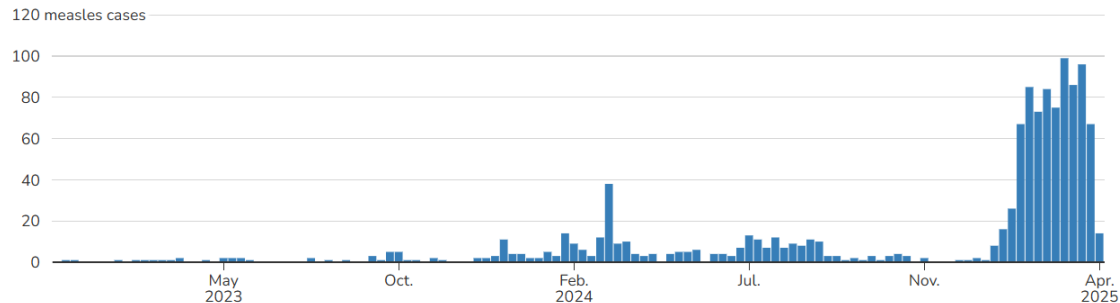
### PUBLIC HEALTH RESPONSE:

- Emergency vaccination campaigns and targeted outreach.
- Focused messaging to combat misinformation and rebuild community trust.
- Multi-sector coordination involving schools, healthcare providers, and local organizations.

## [MEASLES CASES IN 2025 - CDC](#)

### Weekly measles cases by rash onset date

2023–2025\* (as of April 17, 2025)



Confirmed cases: 800 (As of 4/18/2025)

#### Age

Under 5 years: **249 (31%)**  
5-19 years: **304 (38%)**  
20+ years: **231 (29%)**  
Age unknown: **16 (2%)**

#### Vaccination Status

Unvaccinated or Unknown: **96%**  
One MMR dose: **1%**  
Two MMR doses: **2%**

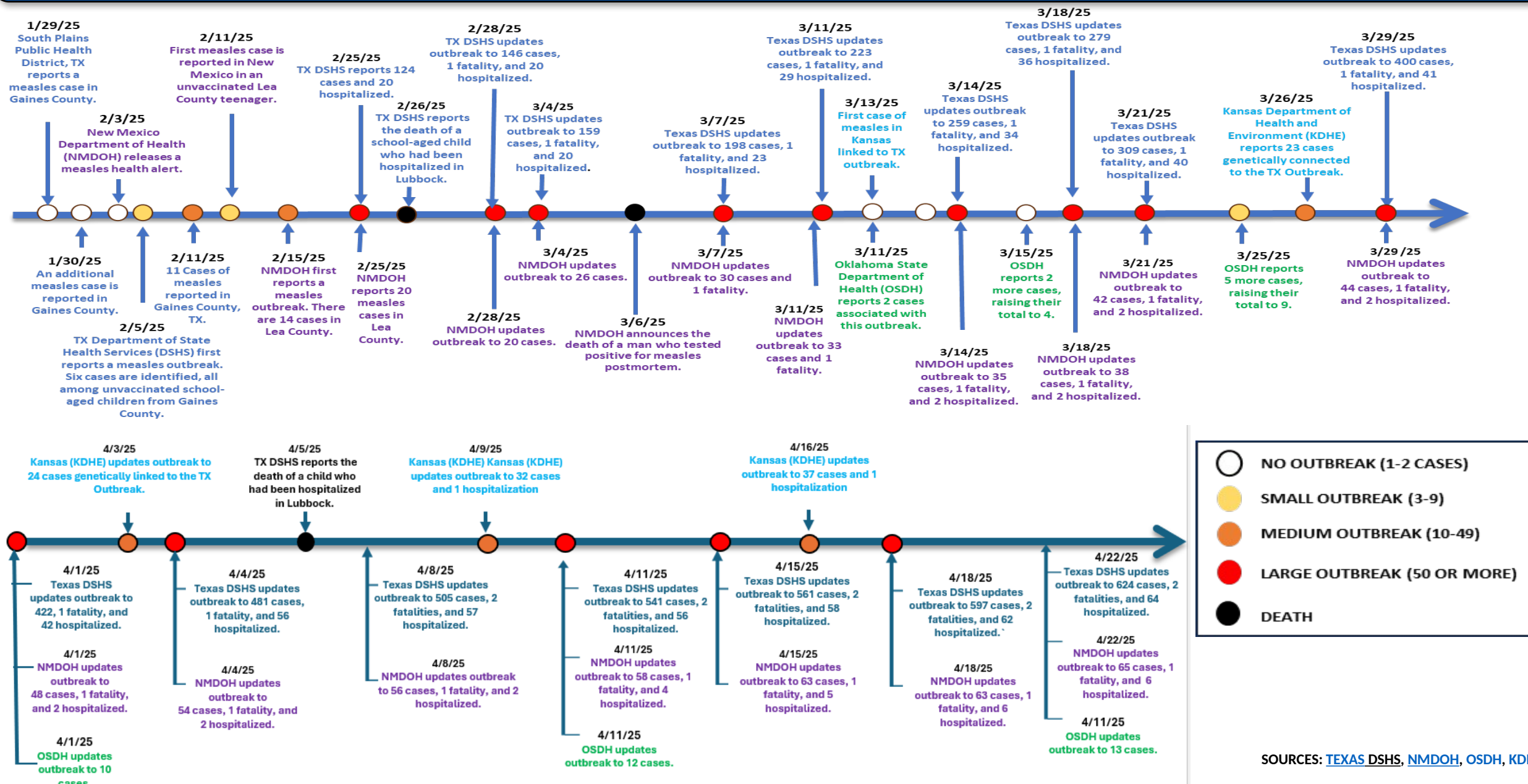
#### Percent of Age Group Hospitalized

Under 5 years: **19% (47 of 249)**  
5-19 years: **7% (21 of 304)**  
20+ years: **6% (15 of 231)**  
Age unknown: **13% (2 of 16)**

#### Deaths: 3

here have been  
[2 confirmed deaths](#) from  
measles, and  
[1 death under investigation](#)

# TIMELINE (JANUARY – APRIL 2025)



# CURRENT SITUATION

As of 4/22/25, the Southwestern outbreak has **739 cases**, including confirmed and pending cases across **Texas, New Mexico, Oklahoma, and Kansas**. Experts warn this is **likely a severe undercount**. The situation remains fluid, with case numbers expected to rise. Experts project the outbreak could last **up to a year**.

**Texas:** The Texas DSHS has identified “designated outbreak counties” with ongoing measles transmission: Cochran, Dallam, Dawson, Gaines, Garza, Lynn, Lamar, Lubbock, Terry, and Yoakum.

## CURRENT CASE COUNT: 739 (As of 04/22/2025)

- **Texas: 624 (+27)**
- **New Mexico: 65 (+2)**
- **Oklahoma: 13 (+1)**
- **Kansas: 37**

## HOSPITALIZATIONS: 71 (+2)

- **Texas: 64 (+2)** - This is 10.4% of all TX cases.
- **New Mexico: 6** - This is 9.5% of all NM cases.
- **Kansas: 1** - This is 2.7% of all KS cases.

## DEATHS: 3

- **Texas: 2** – This is 0.34% of all cases
- **New Mexico: 1** – This is 1.59% of all cases

## US NATIONAL CASE COUNT (CONFIRMED AND SUSPECTED): 871

## INTERNATIONAL SPREAD (AS OF 4/22/2025)

- **Mexico - 533**
  - **Chihuahua, Mexico: 514 (+81)** cases, 5 hospitalizations, 1 fatality
- **Canada: 1108** (This reflects Ontario's Outbreak which began 11/24)
  - **Ontario, Canada – 925 (+109)** cases, 69 hospitalizations.

## AGES OF CASES:

WEST TEXAS OUTBREAK				
0-4 Years	5-17 Years	18+ Years	Pending	Total
186 (+4) (30%)	236 (+17) (38%)	178 (+6) (28%)	24 (4%)	624 (+27)
NEW MEXICO OUTBREAK				
0-4 Years	5-17 Years	18+ Years	Pending	Total
18 (+1)(28%)	19 (29%)	28 (+1)(43%)	0	65(+2)
KANSAS OUTBREAK				
0-4 Years	5-17 Years	18+ Years	Pending	Total
11 (29.7%)	19 (51.4%)	7 (18.9%)	0	37
OKLAHOMA OUTBREAK				
0-4 Years	5-17 Years	18+ Years	Pending	Total
10 Cases Confirmed, 3 Probable – no ages provided			3	13 (+1)

## DNA SEQUENCING:

**CANADA:** The D8 genotype, specifically lineage MVs/Ontario.CAN/47.24, was first detected in Ontario in late 2024. By early 2025, it had been identified in 57 confirmed cases, primarily in Ontario, with additional cases in Quebec, Manitoba, and British Columbia. The majority of cases occurred among unvaccinated individuals. Source: [PAHO](#))

**MEXICO:** In February 2025, a measles case in Chihuahua was confirmed to be of the D8 genotype, lineage MVs/Ontario.CAN/47.24. Contact tracing and active surveillance identified 17 additional related cases, confirming local transmission of this lineage. (Source: [El Diario de Chihuahua](#), [PAHO](#) )

**UNITED STATES:** While specific lineages are not always reported, genotype D8 has been predominant in recent outbreaks in Texas, New Mexico, Oklahoma, and Kansas. Genetic sequencing has linked the virus in the U.S. to the same D8 genotype circulating in Canada and Mexico, indicating a clear cross-border transmission pattern. However, the initial introduction of measles associated with these outbreaks remains unknown. (Source: [WHO](#))

# CURRENT SITUATION: - MEASLES IN AN URBAN SETTING

## LUBBOCK, TX:

- Located about 80 miles from the outbreak's epicenter, **Lubbock**—a city of 257,000—has become a regional hotspot. As a medical hub, the city has facilitated viral spread, with rural residents traveling in for care and inadvertently introducing and amplifying transmission chains.
- As of April 22, 2025, **Lubbock County has reported 47 confirmed measles cases**, with a significant concentration within city limits. Due to increasing local transmission, the Texas Department of State Health Services has officially designated Lubbock as an outbreak area.
- The city's public health response has been constrained by stagnant immunization funding—just **\$254,000 annually**, unchanged for over 15 years. These limitations have hindered outreach, education, and vaccination efforts, especially in close-knit, vaccine-hesitant communities.
- Clusters of vaccine hesitancy, particularly among **faith-based and libertarian-leaning groups**, continue to depress community immunity.
- As of April 2025, the measles, mumps, and rubella (MMR) vaccination rate among kindergartners in Lubbock County, Texas, stands at approximately **92%**. This rate falls below what is needed to achieve herd immunity. While the overall county rate is relatively high, certain private schools and daycare centers in Lubbock report MMR coverage rates significantly below this threshold, contributing to the risk of localized outbreaks.

## EL PASO, TX

- With a population of 679,000, El Paso's **first 2 confirmed cases** were reported on 4/8/2025. As of April 22, 2025, **El Paso has reported 20 confirmed measles case and 3 hospitalizations. Two inmates at El Paso County prison are showing symptoms. Test are pending.**
- As of April 2025, the vaccination rate in El Paso County stands at 96%. However, there is reason for concern about unvaccinated pockets within the community. Based on population, this would put 27,000 individuals at risk.
- In El Paso, cross-border dynamics with Juárez, Mexico, add unique challenges. High levels of daily binational travel have contributed to the spread of measles. Through contact tracing and sequencing data, a large outbreak in the Mexican state of Chihuahua has been directly linked to the ongoing outbreak in Gaines, Texas. The genotype D8 is now confirmed on both sides of the U.S.–Mexico border.
- Public health outreach faces obstacles such as language barriers, pervasive misinformation, and concerns among undocumented populations who may avoid seeking care for fear of deportation.
- Earlier cases in El Paso involved exposures at **high-traffic locations** such as malls, retail stores, and restaurants, underscoring the risk of transmission in urban public spaces.
- Measles cases have been reported in three Ysleta Independent School District (YISD) high schools (Eastwood, Bel Air, and Hanks), **triggering schoolwide alerts** and reinforcing the need for improved vaccination record reviews and contact tracing in school settings.

## THE BOTTOM LINE:

Due to their unique community vulnerabilities, the rates of measles transmission have been steadily increasing in urban areas such as Lubbock, TX, and El Paso, TX. Cases linked to public venues like schools, retail settings, and other public spaces reveal how urban density accelerates the risk of measles exposure. Trusted community messengers who can spread awareness about the safety and necessity of the MMR vaccine are critical at this time.



# CURRENT SITUATION: VACCINATION STATUS

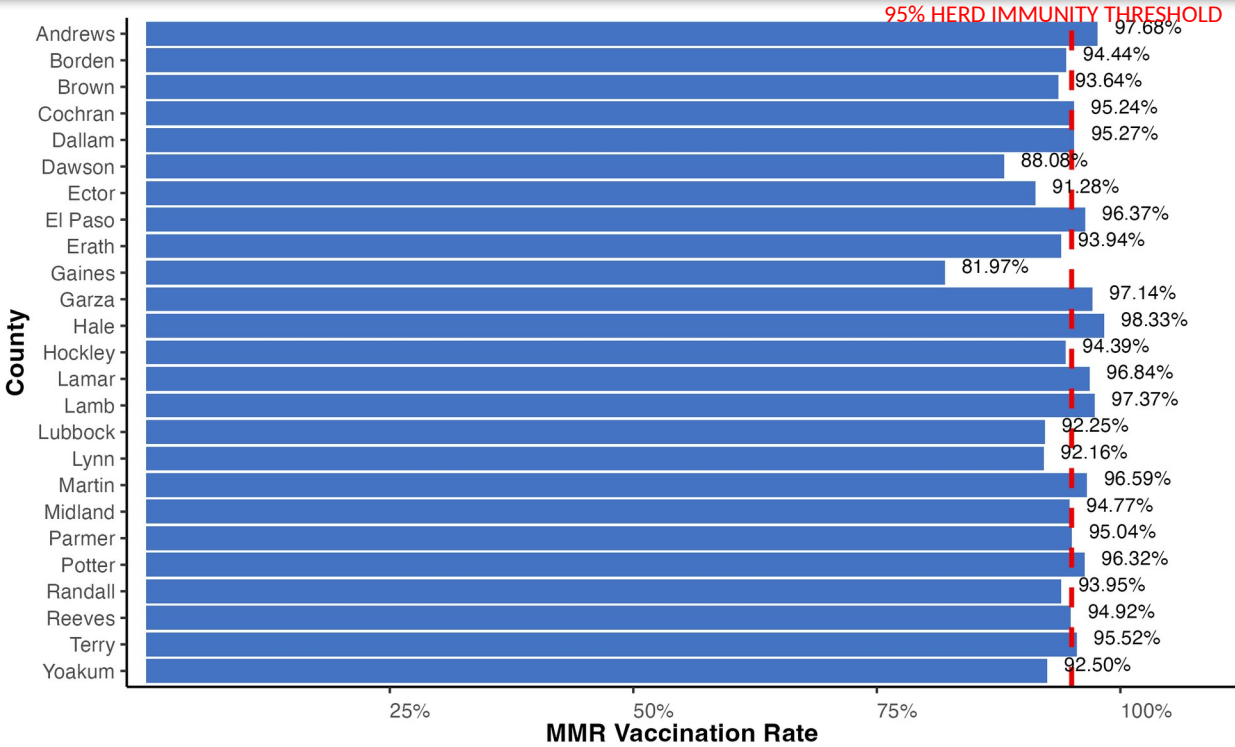
STATE	VACCINATED WITH 1 DOSE	VACCINATED WITH 2 DOSES	UNVACCINATED/ UNKNOWN	TOTAL CASES
TX	10	12	602*	624

NOTE: The TX unvaccinated/unknown category includes people with no documented doses of measles vaccine more than 14 days before symptom onset.

STATE	VACCINATED WITH AT LEAST ONE DOSE	NOT VACCINATED	UNKNOWN	TOTAL CASES
NM	6	47	12	65

STATE	VACCINATED WITH AT LEAST ONE DOSE	UNVACCINATED / UNKNOWN	TOTAL CASES
OK	0	13	13

STATE	AGE APPROPRIATELY VACCINATED	NOT AGE APPROPRIATELY VACCINATED	NOT VACCINATED	Pending Verification/ Unable to Verify	TOTAL CASES
KS	4	1	30	2	37



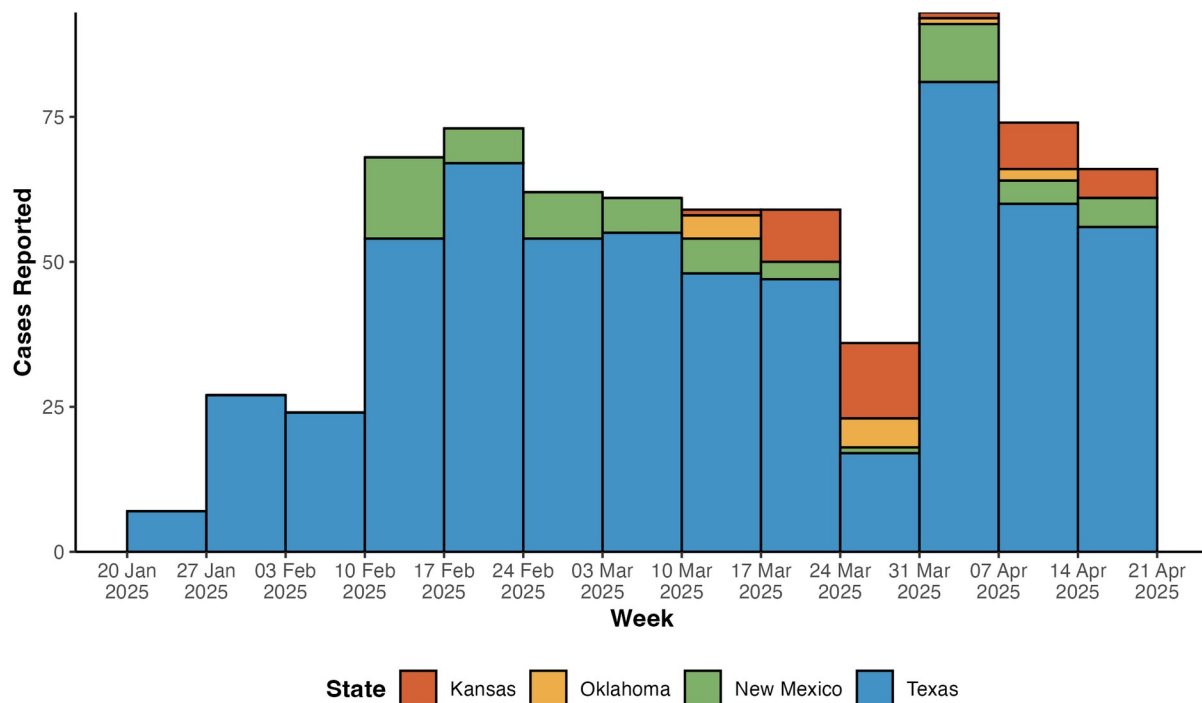
Among the affected counties in TX, 13 out of 26 are below a 95% vaccination rate, the recommended rate for herd immunity (SOURCE: [Annual Report on Immunization Status and CORI](#)).

BECAUSE MEASLES IS HIGHLY CONTAGIOUS, 95% OF THE POPULATION MUST BE VACCINATED TO ACHIEVE HERD IMMUNITY AND PREVENT ONGOING TRANSMISSION OF THE VIRUS.

- TX:** Vaccination rates are low in most affected areas. In Gaines County, TX, vaccination rates are significantly below the threshold required for herd immunity, contributing to the virus's rapid spread.
- NM:** NM reports that [94%](#) of individuals aged 18 and under in Lea County have received at least one dose of the MMR vaccine. This is slightly below the state's overall rate of 95% for the same age group.
- OK:** For the 2023–24 school year, CDC reported Oklahoma kindergartners' vaccine exemption rate rose to 5.7%. [88.3%](#) of kindergartners received the MMR vaccine.
- KS:** Vaccination rates are low in the most affected counties in KS. The statewide vaccination rate is [90%](#). In the counties reporting cases, vaccination rates are far below herd immunity, except for Finney and Grant Counties (98% and 99%, respectively).

# EPI CURVE AND CASES OVER TIME

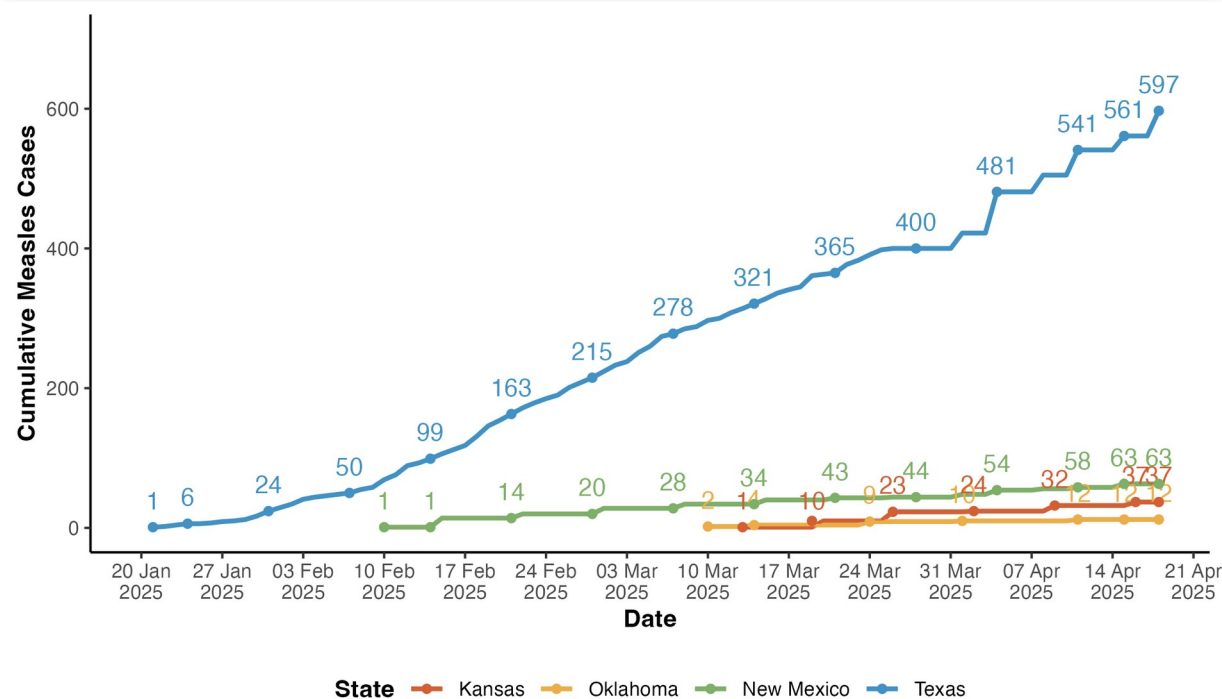
## SOUTHWEST MEASLES OUTBREAK - EPI CURVE



### The number of new cases per week remains high.

- **TX:** Reported first case the week of 1/25/25. Most cases in the current outbreak are in Gaines County.
- **NM:** Reported first cases the week of 2/10/25. First case in Doña Ana County reported 4/16/25.
- **OK:** Reported first cases the week of 3/10/25.
- **KS:** Reported first case on 3/13/25. First hospitalization reported 4/9/25. No new counties in the last week.

## SOUTHWEST MEASLES OUTBREAK - CUMULATIVE CASES OVER TIME



### Cases are rising, and the outbreak is not slowing down.

- **TX:** The number of cases has increased consistently over time, to a total of 597 cases across 25 counties.
- **NM:** A total of 63 cases have been reported in 4 counties.
- **OK:** A total of 12 cases have been reported by the OSDH. No new cases reported since 4/11/25.
- **KS:** A total of 37 cases across 8 counties have been reported by the KDHE. Cases increased by 50% from 4/2/25 to 4/9/25.

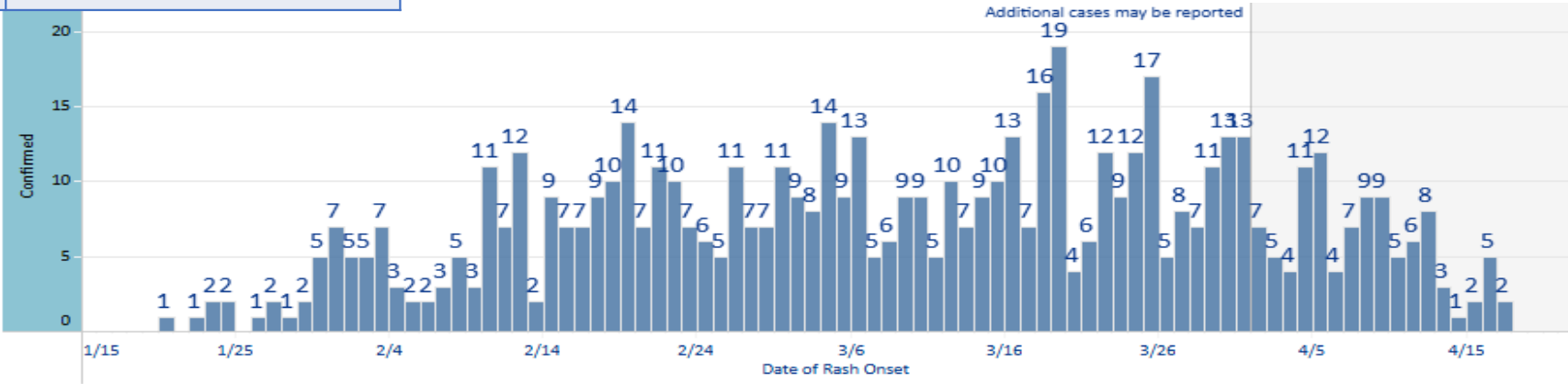
# EPI SUMMARY - TEXAS

(n=624) AS OF 4/22

COUNTY	MEASLES CASES (NUMBER OF NEW CASES)	% of TOTAL CASES	% KINDERGARTENERS VACCINATED (2023-2024)	# OF SCHOOL DISTRICTS IN EACH COUNTY WITH MMR BELOW 95%
Andrews	2	0.32 %	97.70%	0
Bailey	2 NEW	0.32 %	98.94%	0
Borden	1	0.2%	94.44%	1
Brown	1	0.2%	93.64%	5
Cochran	12	1.92%	95.20%	1
Dallam	7	1.12%	95.30%	2
Dawson	23	3.7%	88.10%	4
Ector	10	1.6%	91.30%	5
El Paso	20 (+2)	3.2%	96.37%	8
Erath	1	0.2%	93.94%	5
Gaines	386(+15)	62%	82.00%	3
Garza	2	0.32 %	97.10%	0
Hale	5	0.8%	98.30%	2
Hockley	5	0.8%	94.40%	3

COUNTY	MEASLES CASES (NUMBER OF NEW CASES)	% of TOTAL CASES	% KINDERGARTENERS VACCINATED (2023-2024)	# OF SCHOOL DISTRICTS IN EACH COUNTY WITH MMR RATES BELOW 95%
Lamar	11	1.76..0%	96.84%	0
Lamb	1	0.2%	97.37%	1
Lubbock	47 (+5)	7.53%	92.25%	8
Lynn	2	0.32%	92.16%	2
Martin	3	0.5%	96.59%	1
Midland	3 (+1)	0.5%	94.77%	4
Parmer	4	0.64%	95.04%	1
Potter	1	0.2%	96.32%	3
Randall	1	0.2%	93.95%	1
Reeves	1	0.2%	94.92%	1
Terry	54 (+2)	8.65%	95.52%	2
Yoakum	19 (+1)	3.05%	92.50%	1

OUTBREAK CASES BY DATE OF RASH ONSET





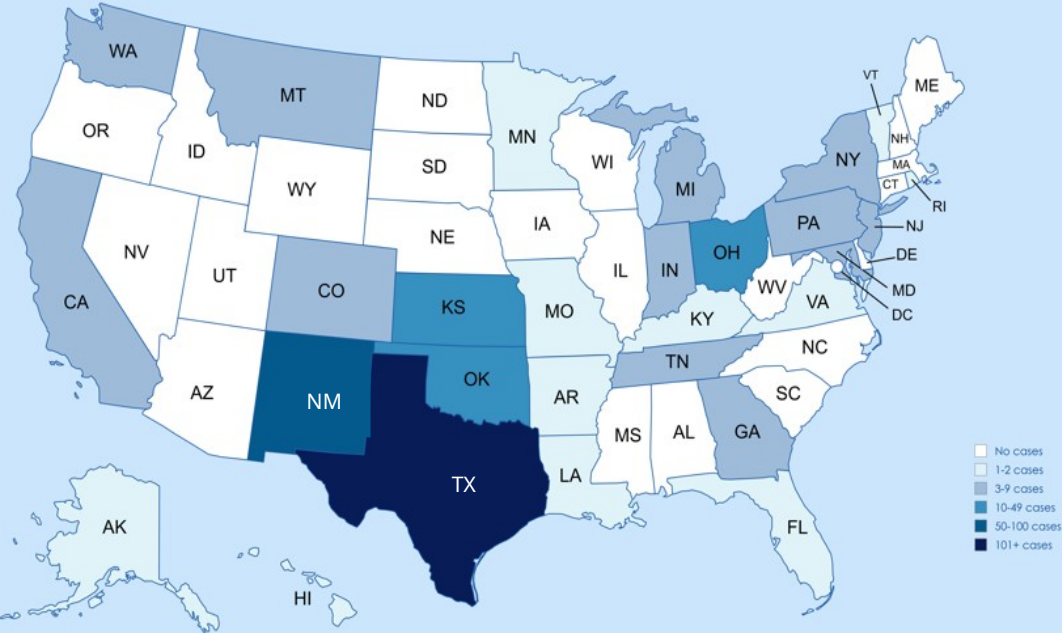
# EPI SUMMARY (KS, NM, OK)

COUNTY	MEASLES CASES (NUMBER OF NEW CASES)	% of TOTAL CASES	% KINDERGARTENERS VACCINATED (2023-2024)
KANSAS (n=37) AS OF 4/16/2025			
<a href="#">Finney</a>	Between 1- 5		98%
<a href="#">Ford</a>	Between 1- 5		87%
<a href="#">Grant</a>	Between 1- 5		99%
<a href="#">Gray</a>	Between 1- 5		66%
<a href="#">Haskell</a>	8	21.6%	58%
<a href="#">Kiowa</a>	6	16.2%	92%
<a href="#">Morton</a>	Between 1- 5		82%
<a href="#">Stevens</a>	7	18.9%	83%
NEW MEXICO (n=65) AS OF 4/22/2025			
Chaves	1	1.5%	98%
Doña Ana	1	1.5%	
Eddy	2	3.%	93%
Lea	61 (+2)	94%	94%
Note: Those 18 years or younger have a 95% vaccination rate. 63% of adults have received one shot of MMR, and only 55% have received both shots, according to local health officials, though they noted that there may be vaccinated adults whose records have not been added to the system. Adults make up more than half of reported cases in New Mexico.			
OKLAHOMA (n=13) AS OF 4/22/2025			
Tulsa and Cherokee Nation	13	Insufficient Information	89.5%

# US OUTLOOK

*\* NOTE: The information on this page has been gathered by reviewing data from state and local health departments, news media sources, and the Center for Outbreak Response Innovation (CORI)*

876\*



The increase in measles cases can be attributed to falling vaccination rates and increased importation of travel-related cases, which occur when unvaccinated people acquire measles abroad and bring it back to the U.S.

STATE	CASES
<a href="#">TEXAS **</a>	649
<a href="#">NEW MEXICO</a>	65
<a href="#">KANSAS</a>	37
<a href="#">OHIO</a>	30
<a href="#">OKLAHOMA</a>	13
<a href="#">CALIFORNIA</a>	9
<a href="#">PENNSYLVANIA</a>	9
<a href="#">MICHIGAN</a>	8
<a href="#">INDIANA</a>	8
<a href="#">TENNESSEE</a>	6
<a href="#">MONTANA</a>	5
<a href="#">NEW YORK</a>	4
<a href="#">WASHINGTON</a>	4
<a href="#">COLORADO</a>	3
<a href="#">ARKANSAS</a>	3
<a href="#">GEORGIA</a>	3
<a href="#">MARYLAND</a>	3
<a href="#">NEW JERSEY</a>	3
<a href="#">ALASKA</a>	2
<a href="#">HAWAII</a>	2
<a href="#">FLORIDA</a>	1
<a href="#">MINNESOTA</a>	2
<a href="#">LOUISIANA</a>	2
<a href="#">KENTUCKY</a>	1
<a href="#">MISSOURI</a>	1
<a href="#">RHODE ISLAND</a>	1
<a href="#">VERMONT</a>	1
<a href="#">VIRGINIA</a>	1
TOTAL	876

## OUTBREAKS



SMALL OUTBREAK (3-9)



MEDIUM OUTBREAK (10 - 49)



LARGE OUTBREAK (50 OR MORE)

An outbreak of measles is defined as three or more laboratory-confirmed cases that are temporally related and epidemiologically or virologically linked.

As of 4/19/2025, 2300 hrs. EDT, there are approximately **844** measles cases (including confirmed and suspected cases) across 21 states.

Currently, there are six or **seven measles outbreaks**:

1. West Texas, involving **23 counties in Texas**, **4 counties in New Mexico**, **2 counties in Oklahoma**, and the **Cherokee Nation in Oklahoma**
2. **8 counties in Kansas** are connected to West, TX.
3. **Ashtabula and Knox Counties, Ohio**
4. **Erie County, Pennsylvania**
5. **Allen County, Indiana**
6. **Bergen County, New Jersey**
7. **metro Atlanta, Georgia**
8. **Gallatin County, Montana**

### \*\* TEXAS CASES NOT ASSOCIATED WITH OUTBREAK: 25

- 2 cases – Adults, Harris County (travel-related)
- 1 case – Infant, Harris County – required hospitalization (travel-related)
- 1 case – Harris County
- 1 case – Infant, Travis County (travel-related)
- 2 case – Adult, Rockwall County (travel-related)
- 2 case – Adult, Fort Bend (travel-related)
- 1 Case Brazoria
- 15 Cases - Upshur

TEXAS CASES ASSOCIATED WITH THE OUTBREAK: 624

# MEXICO OUTLOOK

## THE MEASLES OUTBREAK IN MEXICO: OVERVIEW

\*Data as of Tuesday, April 22 April 2025

- **Measles Outbreak in Mexico: 533 Cases - First Death Reported:** Mexico is currently grappling with a measles outbreak. The state of Chihuahua has been hit hardest, reporting 514 cases and the country’s first measles-related death — a 31-year-old unvaccinated man with diabetes and kidney complications.
- **Low Immunization & Cross-Border Spread:** The outbreak traces back to Texas, where rising anti-vaccine sentiment has contributed to increased infections. In Mexico, declining childhood vaccination rates — particularly in Chihuahua, where coverage in some age groups is as low as 21.2% — have heightened vulnerability.
- **The Most Affected Age Group:** 25 to 44 years old, with 34.4 percent of cases, followed by 5 to 9 years old, with 13.5 percent
- Approximately 86% of confirmed cases had no history of measles vaccination.
- Mexico's National Surveillance System (SINAVE) has intensified monitoring, especially in border regions and tourist destinations, to promptly identify and investigate suspected cases

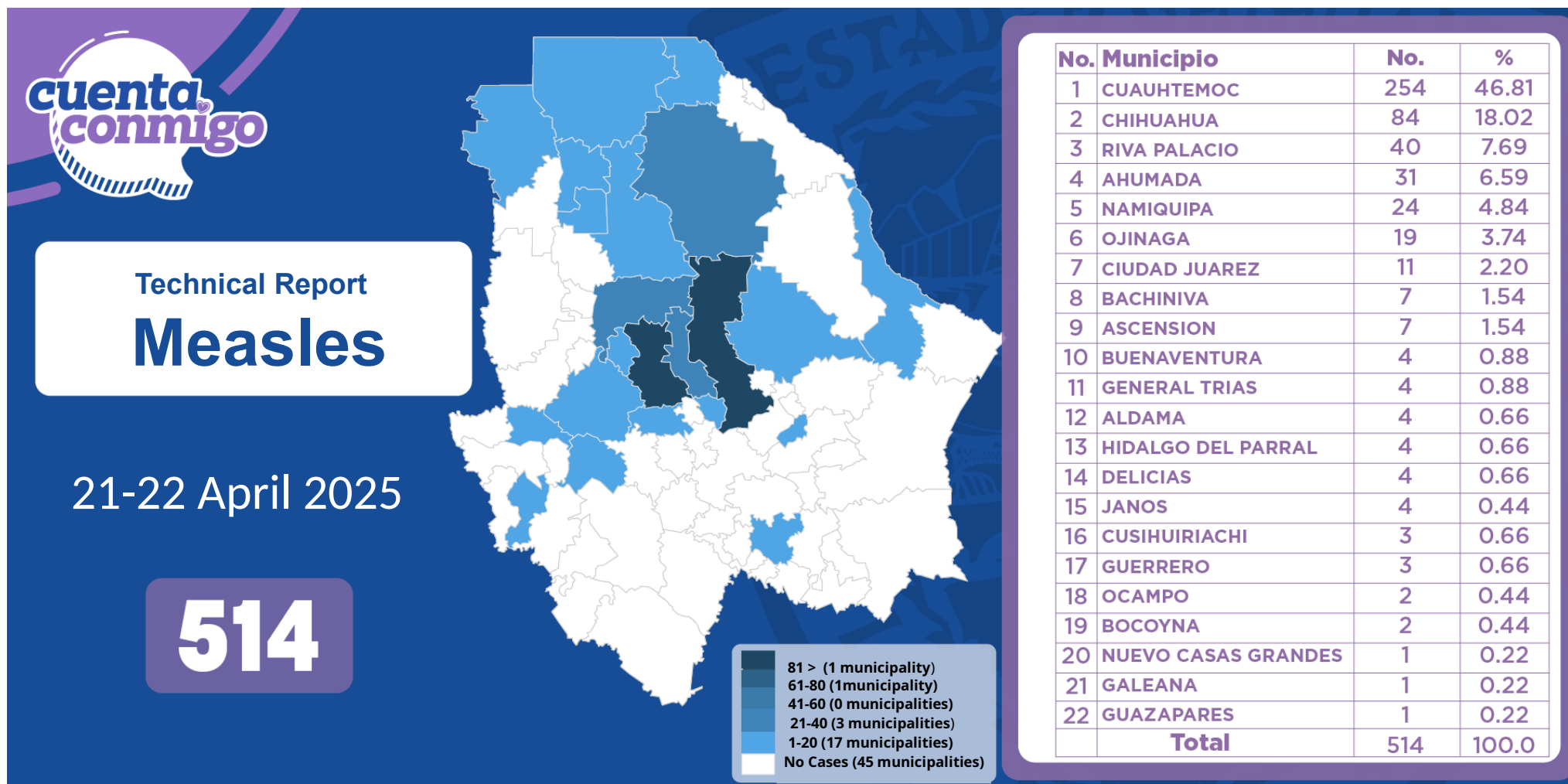
MORBIDITY	
STATE	CASES
CAMPECHE	4
CHIHUAHUA	514
OAXACA	4
QUERÉTARO	1
SINALOA	1
SONORA	5
TAMAULIPAS	2
QUERÉTARO	1
ZACATECAS	1
TOTAL	533



VACCINES ADMINISTERED (JAN-MAR 2025)	
TYPE OF VACCINES	VACCINATIONS GIVEN
Measles, Mumps and Rubella (MMR)	669,209
Measles and Rubella	46,068
Total	715,277

**Vaccination Campaign Underway:** Between January and March, over 715,000 people were vaccinated as part of the national response. Authorities have implemented "vaccine cordons," targeting healthcare workers and close contacts of confirmed cases to curb the spread. **On April 15, the Secretary of Health urged the need for measles vaccination, and the triple viral vaccine against measles, rubella, and mumps will be administered during the First National Vaccination Week of 2025 that starts on April 26<sup>th</sup> 2025 and ends on May 3<sup>rd</sup> 2025.**

# MEXICO OUTLOOK: CHIHUAHUA



Fuente: Secretaría de Salud  
SOURCE OF GRAPHIC: [MediChihuahua](#)



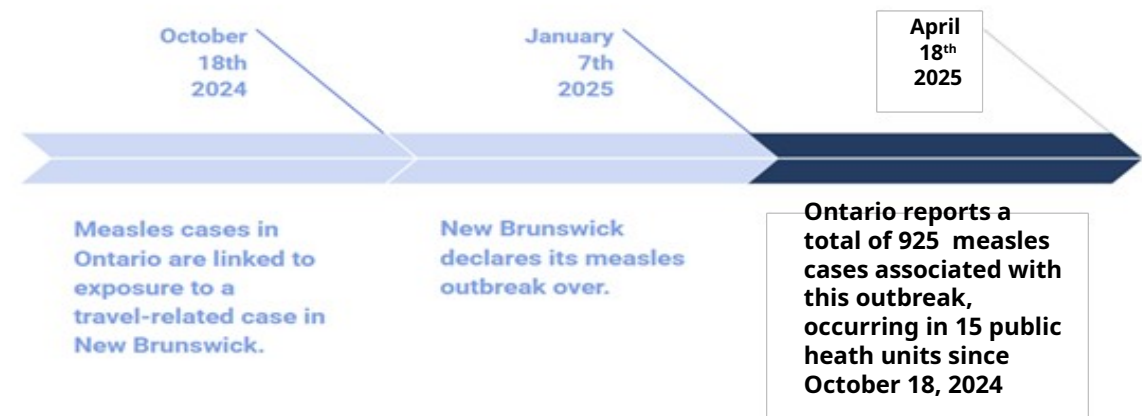
GOBIERNO  
DEL ESTADO  
DE CHIHUAHUA

SECRETARÍA  
DE SALUD

**MediChihuahua**

# THE AMERICAS: CANADA

## Brief Timeline of Outbreak

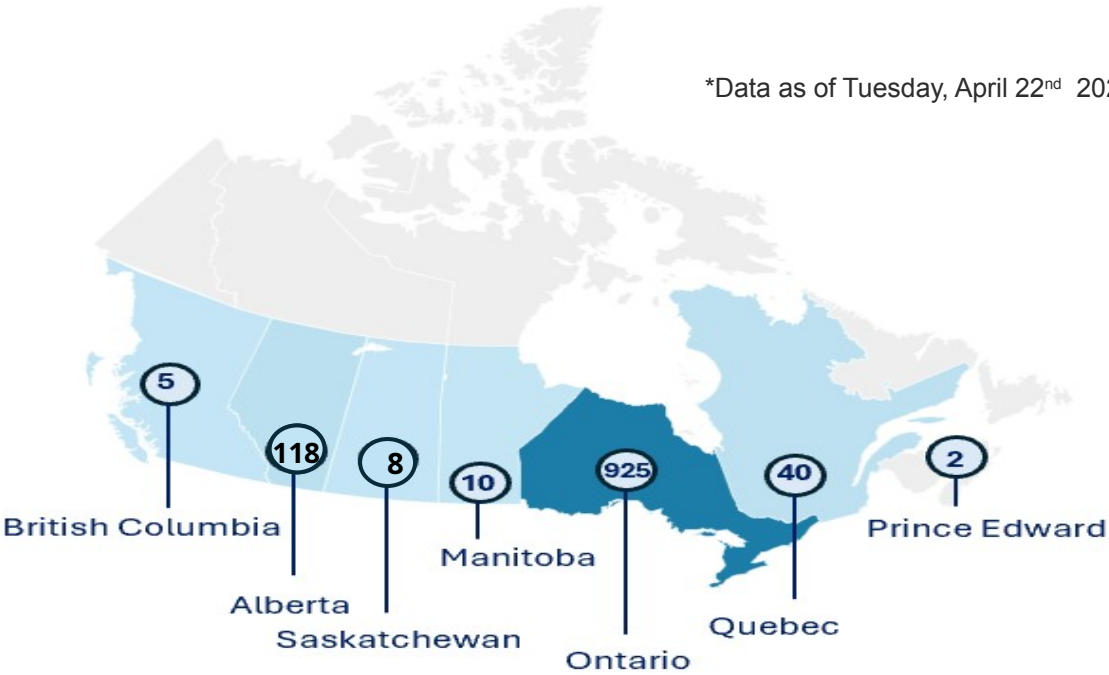


## MORBIDITY IN 2025

PROVINCE	CASES
ONTARIO	925 (THIS REFLECTS THE TOTAL OUTBREAK NUMBERS SINCE 11/24 )
ALBERTA	118
MANITOBA	10
BRITISH COLUMBIA	5
SASKATCHEWAN	8
QUEBEC	40
PRINCE EDWARD ISLAND	2
TOTAL	1108

## CANADA OUTBREAK:




- An ongoing outbreak of measles in Ontario has been traced back to a large gathering in New Brunswick last fall that was attended by guests from Mennonite communities. On October 18, 2024, exposure to a travel-related case in New Brunswick led to measles cases in Ontario.
- Manitoba has also reported measles cases related to this outbreak.
- New Brunswick declared their outbreak over on January 7, 2025, Ontario and
- Quebec declared its outbreak over on 4/22/2025 after no new cases in 32 days.
- Alberta is seeing a large number of cases since Easter.



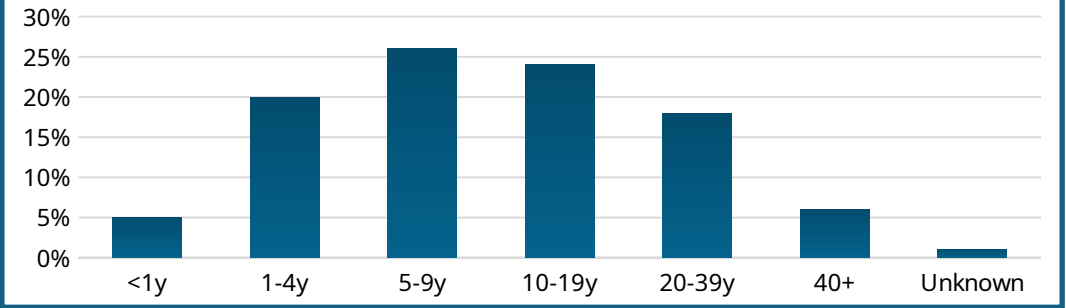


# ONTARIO, CANADA OUTBREAK

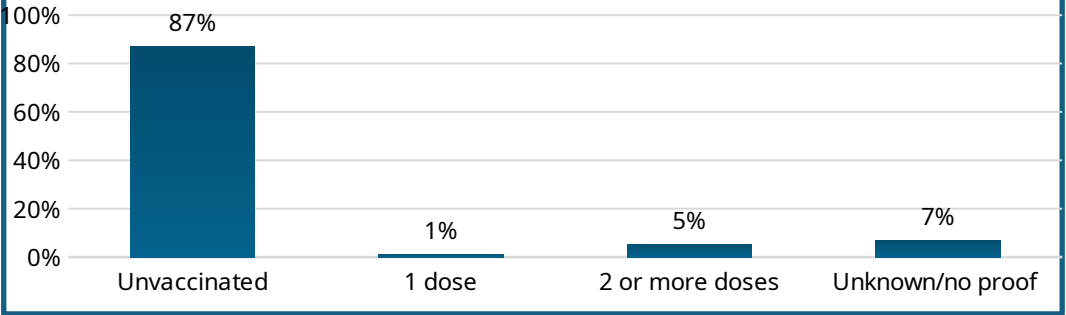
## MORBIDITY AND MORTALITY

PROVINCE	CASES 	HOSPITALIZATIONS 	DEATHS 
ONTARIO	925 (+109)	69 (+8)	0

## Measles Cases Age Distribution: Ontario



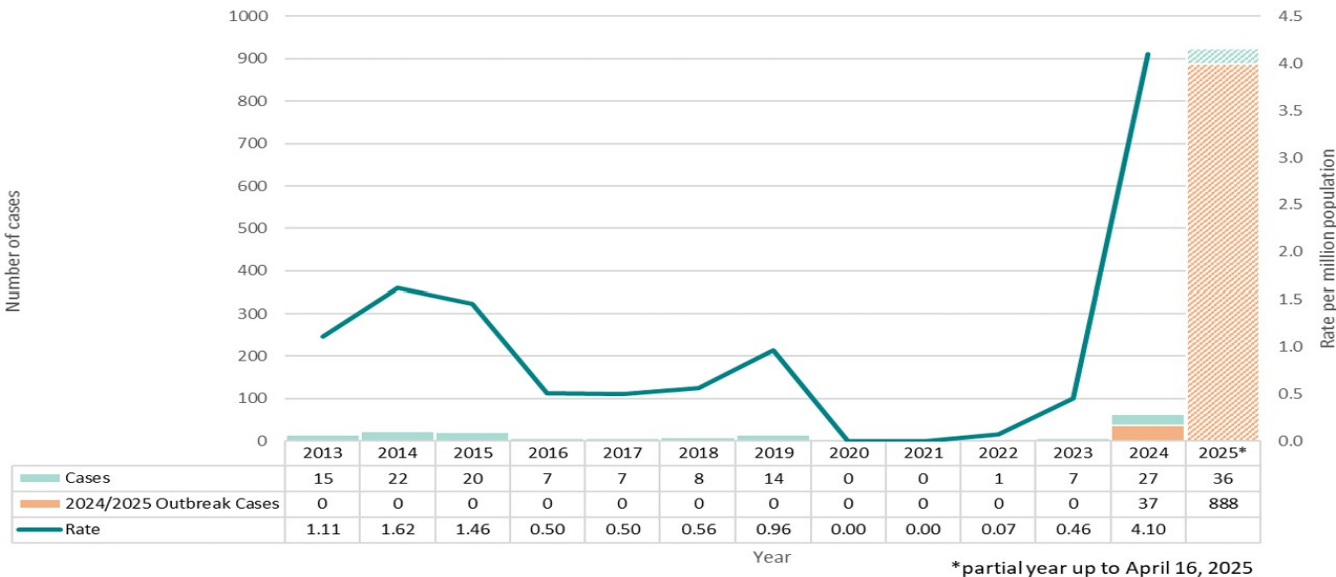
## Measles Vaccination Status: Ontario



## ONTARIO:

- Among all outbreak cases, 75.0% (n=694) were in infants, children and adolescents, while 24.4% (n=226) were in adults, and 0.5% (n=5) had unknown age.
  - 2.1% (n=19) of outbreak cases were pregnant.
  - 98.6% (n=912) of outbreak cases were born in or after 1970.
- Among infants, children and adolescents, 94.8% (n=658) were unimmunized, while among adults, 63.7% (n=144) were unimmunized.

## NUMBER OF MEASLES CASES AND INCIDENT RATED PER MILLION POPULATION 1/1/2013 – 4/16/25



# CONTRIBUTORS

The Virtual Medical Operations Center Briefs (VMOC) were created as a service-learning project by the Yale School of Public Health faculty and graduate students in response to the 2010 Haiti Earthquake. Each year, students enrolled in Environmental Health Science Course 581—Public Health Emergencies: Disaster Planning and Response, produce the VMOC Briefs. These briefs compile diverse information sources—including status reports, maps, curated news articles, and web content— into a single, easily digestible document that can be widely shared and used interactively.

Key features of this report include:

- **Comprehensive Overview:** Provides situation updates, maps, relevant news, and web resources.
- **Accessibility:** Designed for easy reading, wide distribution, and interactive use.
- **Collaboration:** The “unlocked” format enables seamless sharing, copying, and adaptation by other responders.

The students learn by doing, quickly discovering how and where to find critical information and presenting it in an easily understood manner.

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