



Quarterly Meeting

FEBRUARY 27, 2025

2:00 – 3:30 PM



Please sign in by putting your name and institution in the chat box.

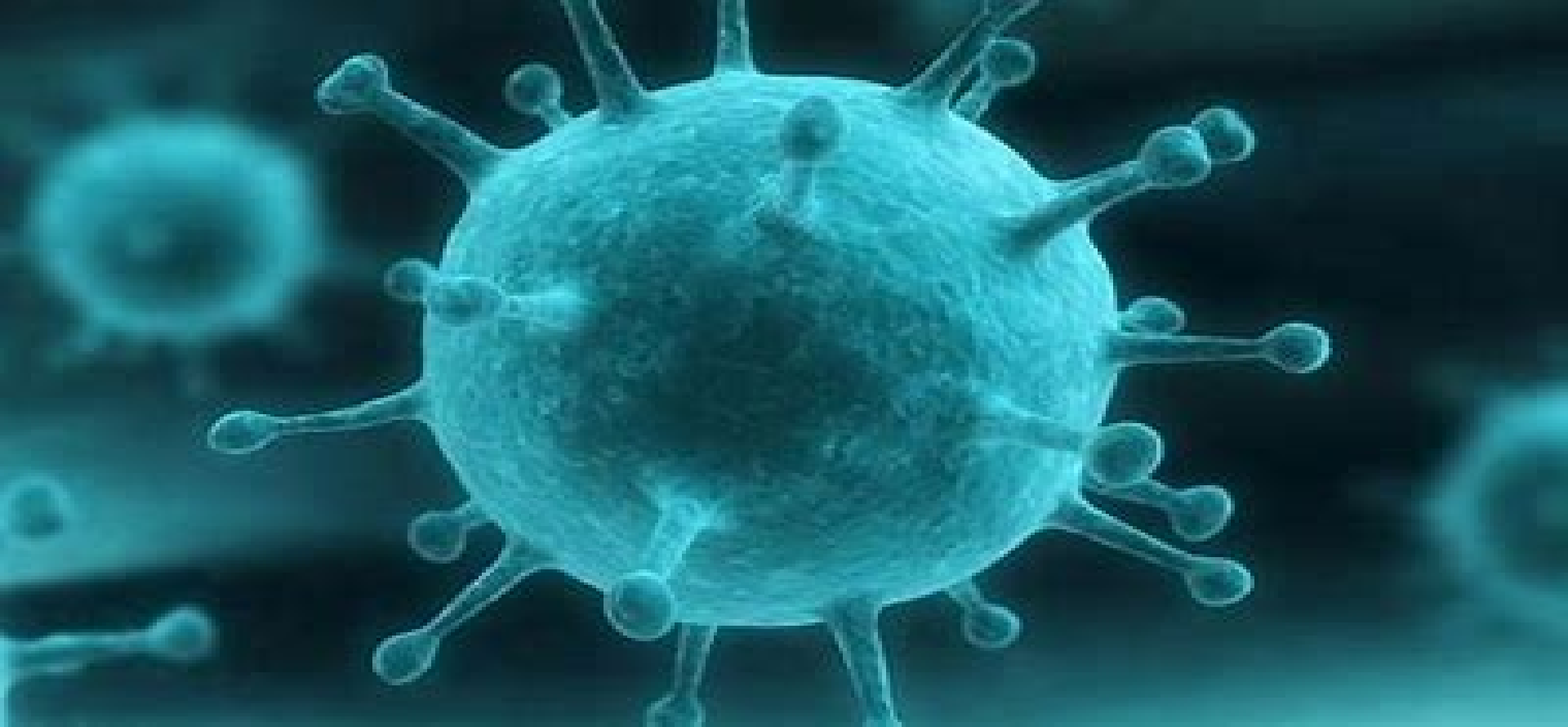
Agenda

Time	Agenda Item	Presenter
2:00 pm	Call to Order / Welcome	Dr. Smith
2:00 pm	Review of August Minutes <ul style="list-style-type: none">• Vote to Approve	Dr. Smith
2:05 pm	Updates <ul style="list-style-type: none">• 2024-2025 Respiratory Season• Emerging Infectious Disease	Dr. Smith
2:25 pm	ACIP Updates	Dr. Smith
2:30 pm	Division of Public Health Updates	Mr. Talbott
2:40 pm	Partner Updates <ul style="list-style-type: none">• Sequivirus Influenza Update	Dr. Abigail Sporer
3:10 pm	Other Discussion	

Minutes From November Meeting

Amendments or Additions

Motion to Approve

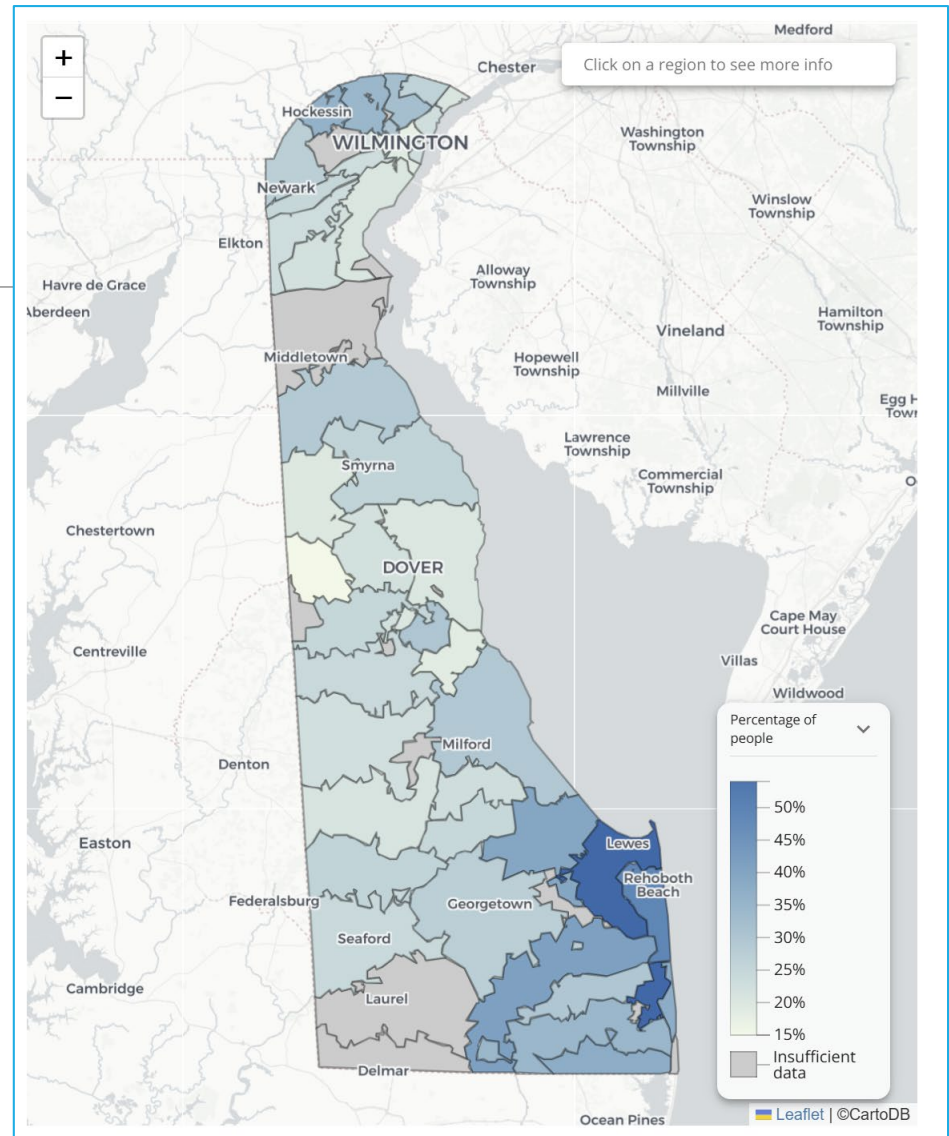


Respiratory Virus Season 2024-2025

Influenza in Delaware

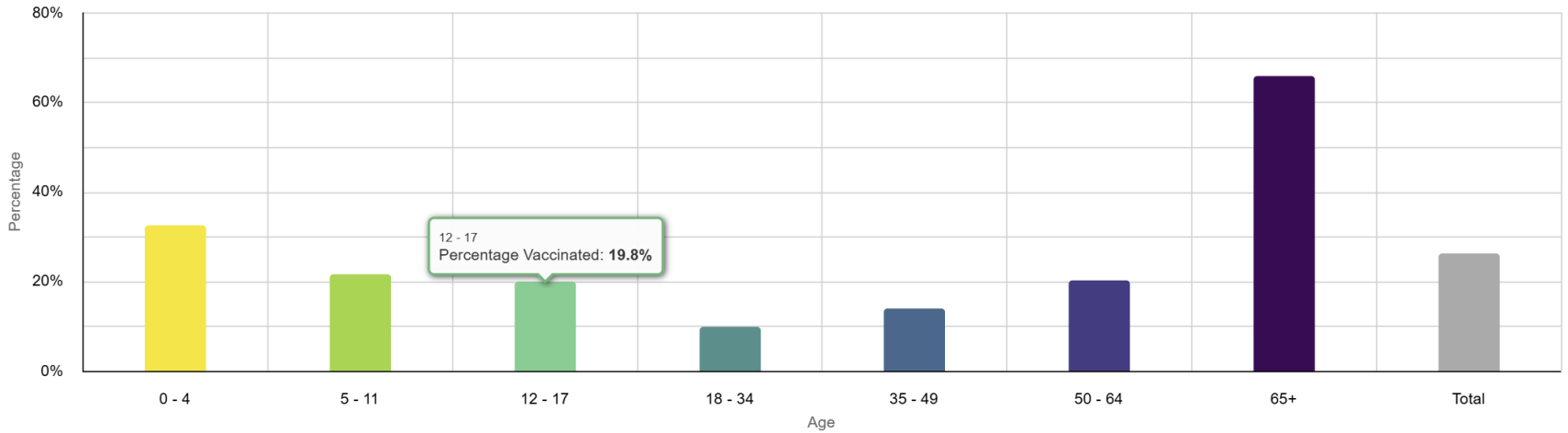
Week 40 to Week 7

- Total cases: 7,840
 - New Castle: 4,452
 - Kent: 1,645
 - Sussex: 1,743
- New cases this week: 1,061
- Flu vaccine doses: 258,017
- Percent vaccinated: 26.3%



Percent Vaccinated

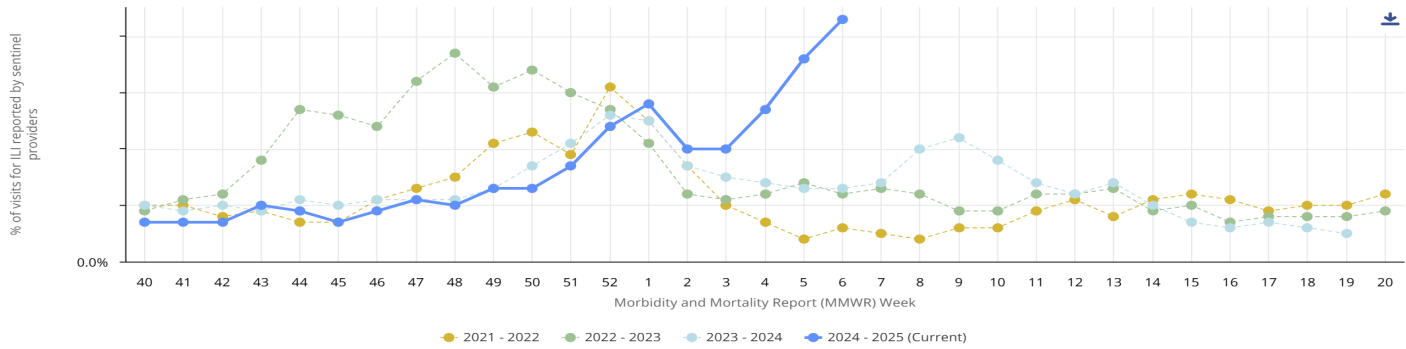
Percentage Vaccinated in Delaware by Age



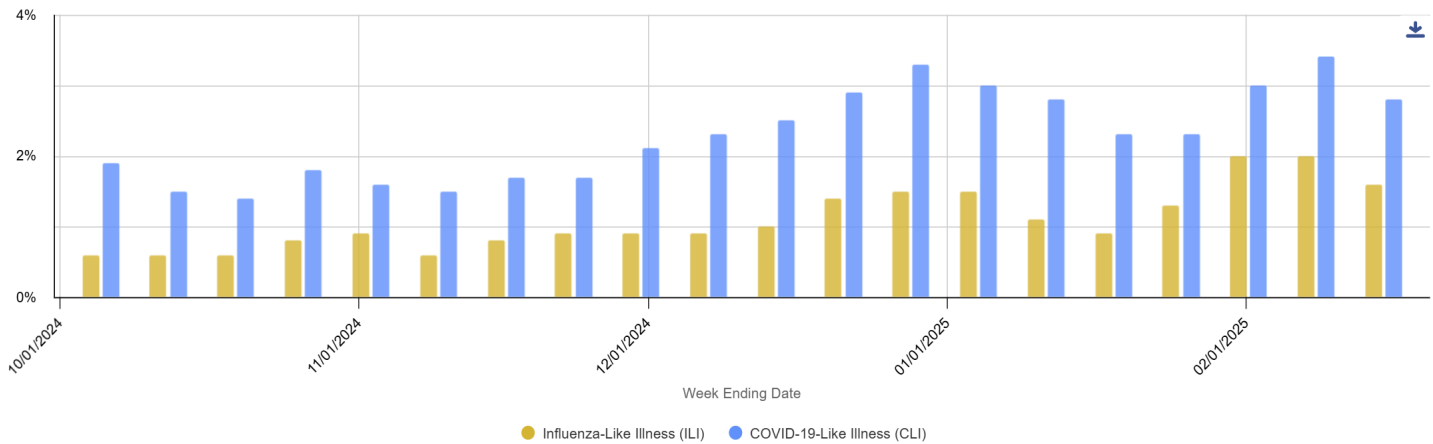
Age	Total Count (2024 - 2025 Flu season)	% of demographic group vaccinated	% of all persons vaccinated
0 - 4	17,553	32.4%	6.8%
5 - 11	17,479	21.6%	6.8%
12 - 17	14,361	19.8%	5.6%
18 - 34	20,861	9.9%	8.1%
35 - 49	24,106	13.9%	9.3%
50 - 64	40,964	20.2%	15.9%
65+	122,693	65.8%	47.6%
Total	258,017	26.3%	100.0%

Hospitalization Trends

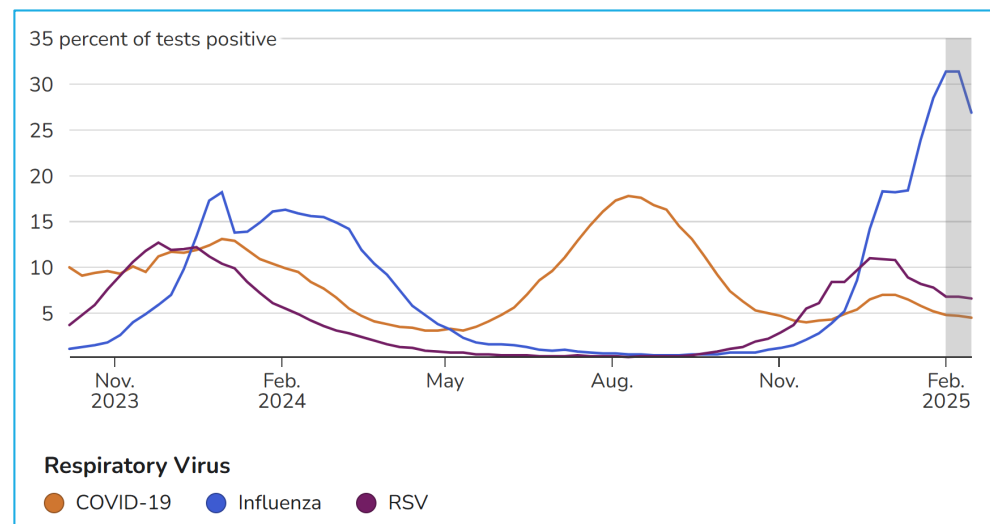
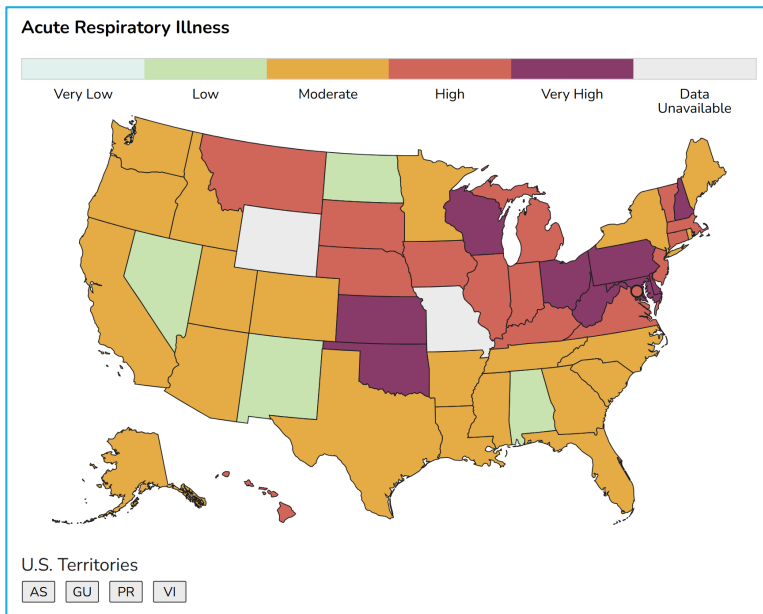
Percentage of visits for influenza-like illness (ILI) reported by sentinel providers



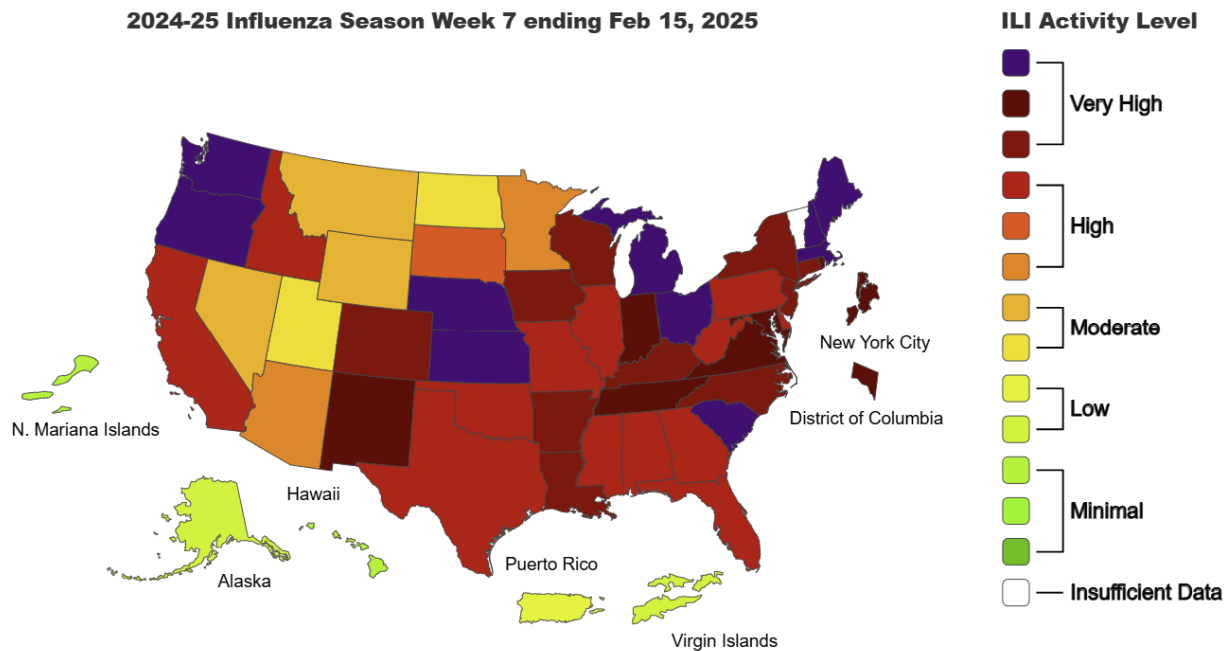
Percentage of Emergency Department Visits for Influenza-Like Illness (ILI) and COVID-19-Like Illness (CLI) by Week (Fall and Winter Virus Season 2024-2025)



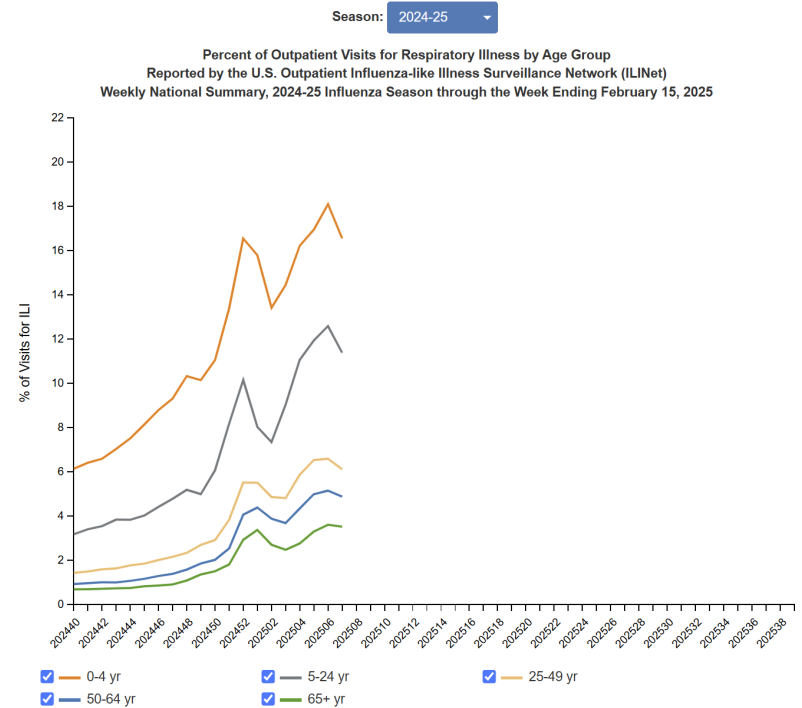
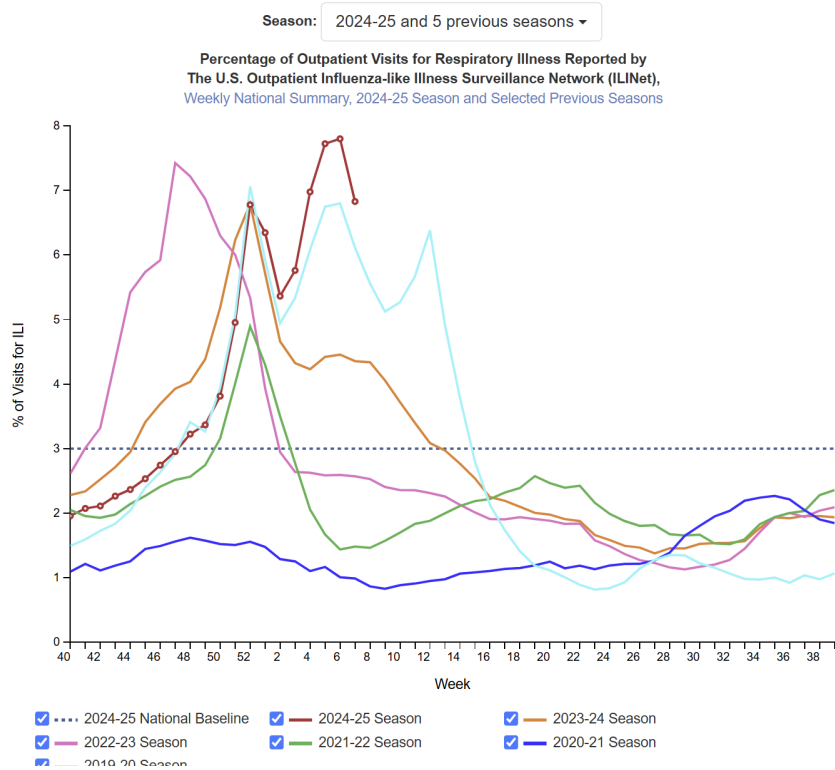
USA: Acute Respiratory Illness



USA: Influenza, Week 7



USA: Influenza, Week 7



[View FluView Interactive](#) | [Download Chart Data](#) | [Download PowerPoint Presentation](#)

USA: Influenza, Week 7

Classified as **high severity season** for all age groups

- First since 2017-2018

Hospitalization Rate: 88.9 per 100,000

- Admitted to hospitals with influenza: 43,367

Deaths

- Attributed to influenza: 3.0%
- Pediatric: 18 (total of 86)

2024-2025 Estimates

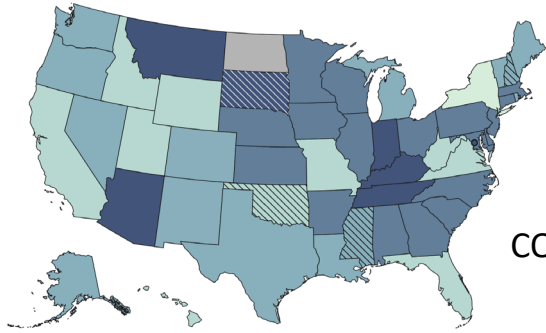
- Illnesses: 33 million
- Hospitalizations: 430,000
- Deaths: 19,000

	Week 7	Data Cumulative since September 29, 2024 (Week 40)
No. of specimens tested	3,519	82,545
No. of positive specimens	2,486	53,734
<i>Positive specimens by type/subtype</i>		
Influenza A	2,383 (95.9%)	52,323 (97.4%)
Subtyping Performed	1,788 (75.0%)	44,963 (85.9%)
(H1N1)pdm09	1,115 (62.4%)	22,262 (49.5%)
H3N2	673 (37.6%)	22,622 (50.3%)
H3N2v ¹	0	0
H5*	0	79 (0.2%)
Subtyping not performed	595 (25.0%)	7,360 (14.1%)
Influenza B	103 (4.1%)	1,411 (2.6%)
Lineage testing performed	9 (8.7%)	620 (43.9%)
Yamagata lineage	0	0
Victoria lineage	9 (100%)	620 (100%)
Lineage not performed	94 (91.3%)	791 (56.1%)

Wastewater Viral Activity Level

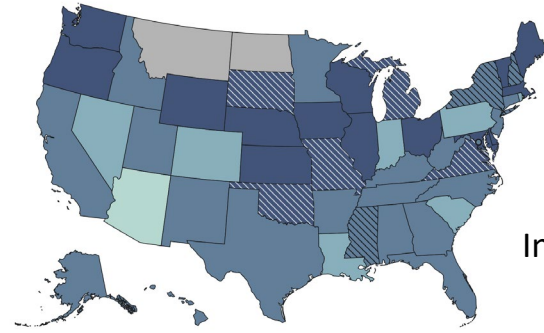


Limited Coverage*



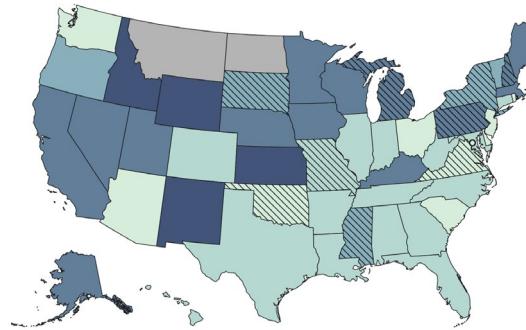
COVID-19

Limited Coverage*



Influenza A

Limited Coverage*



RSV

COVID-19 in Delaware

As of 2/15/2025

- New cases this week: 225 (22.9 per 100,000)
 - New Castle: 109 (19.2)
 - Kent: 44 (24.4)
 - Sussex: 65 (27.8)
- Variants: JN.1 (Omicron, 20%), KP.3 (Omicron, 40%), XEC (Omicron, 20%)
- Vaccinated (Updated Booster)
 - Doses: 137,533
 - Percentage: 14.0%
- Hospital (average, over 7-day period)
 - Number in hospital with COVID-19: 48.6
 - Number in ICU with COVID-19: 4.3
- Deaths
 - Total (March 2020 – Jan 2025): 3,821
 - This Season (Sept 2024 – Jan 2025): 69

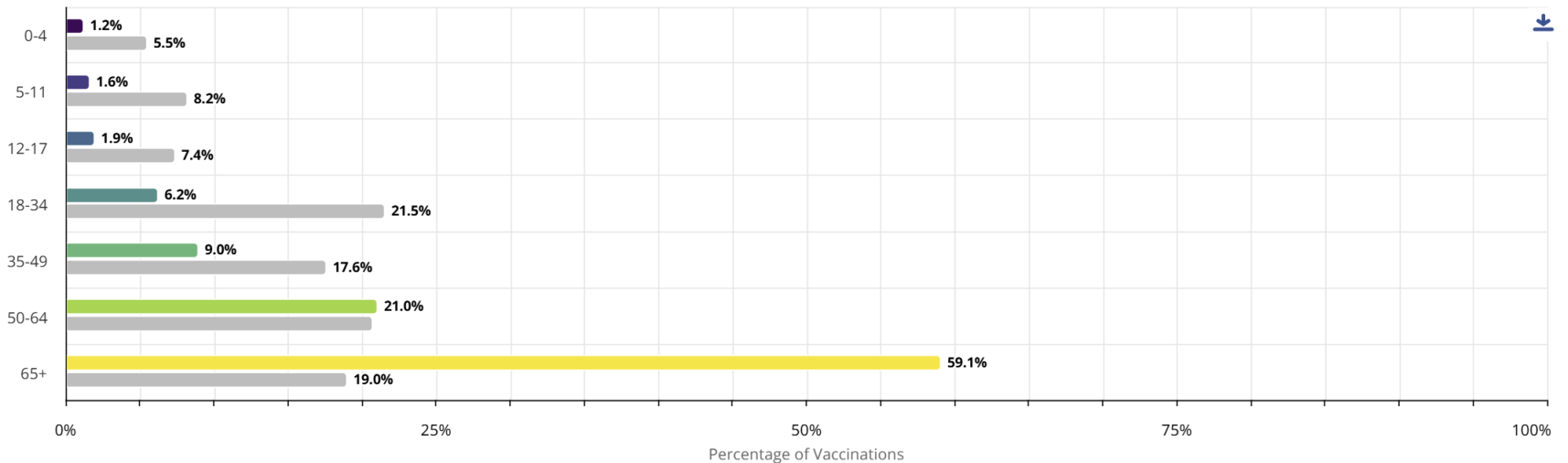
COVID-19 Vaccinations by Month and County

Last Month (January 2025)

Location	Count number of vaccinations	Percentage of residents
New Castle County	77,557	13.7%
Kent County	17,136	9.5%
Sussex County	41,610	17.8%
Delaware	136,020	13.9%

COVID-19 Vaccinations by Age

Percentage of Vaccinations



Avian/Bovine/Human Influenza

National Total Cases: 70

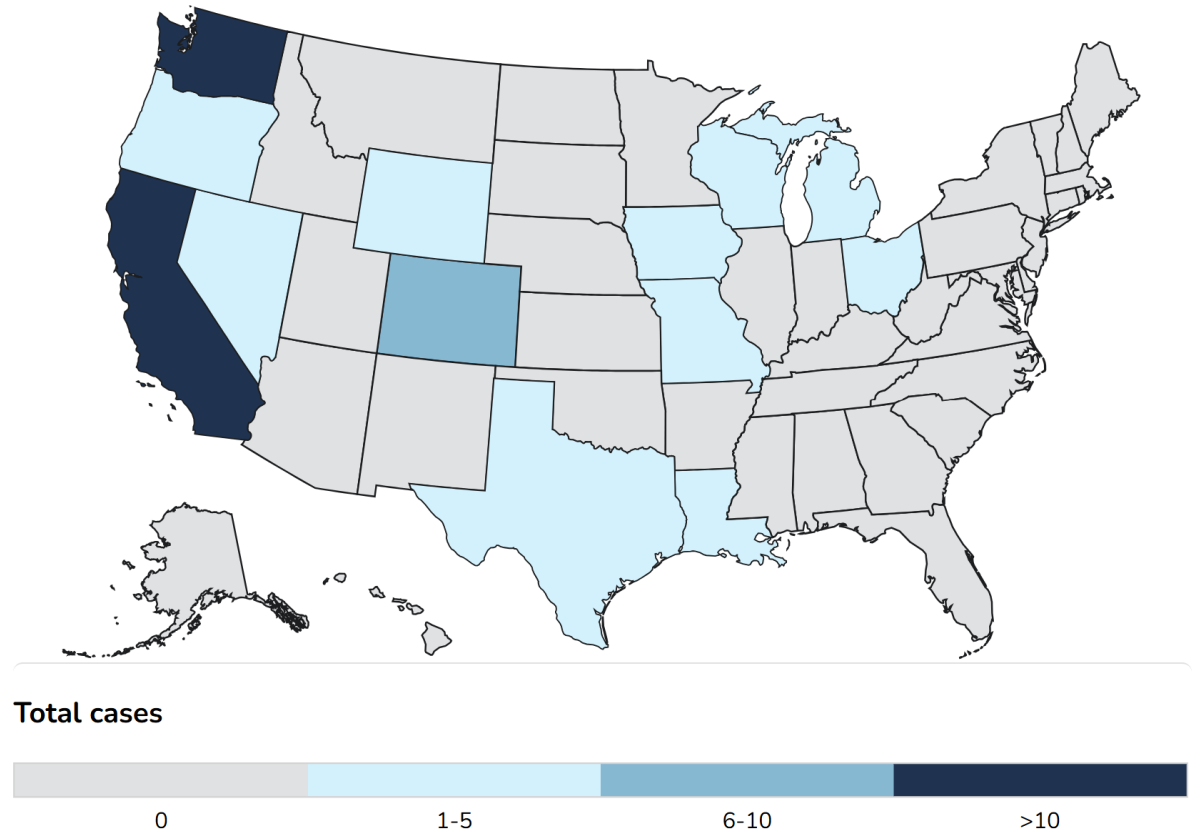
Cases	Exposure Source
41	Dairy Herds (Cattle)*
24	Poultry Farms and Culling Operations*
2	Other Animal Exposure†
3	Exposure Source Unknown‡

NOTE: One additional case was previously detected in a poultry worker in Colorado in 2022. Louisiana reported the first H5 bird flu death in the U.S.

*Exposure Associated with Commercial Agriculture and Related Operations

†Exposure was related to other animals such as backyard flocks, wild birds, or other mammals

‡Exposure source was not able to be identified

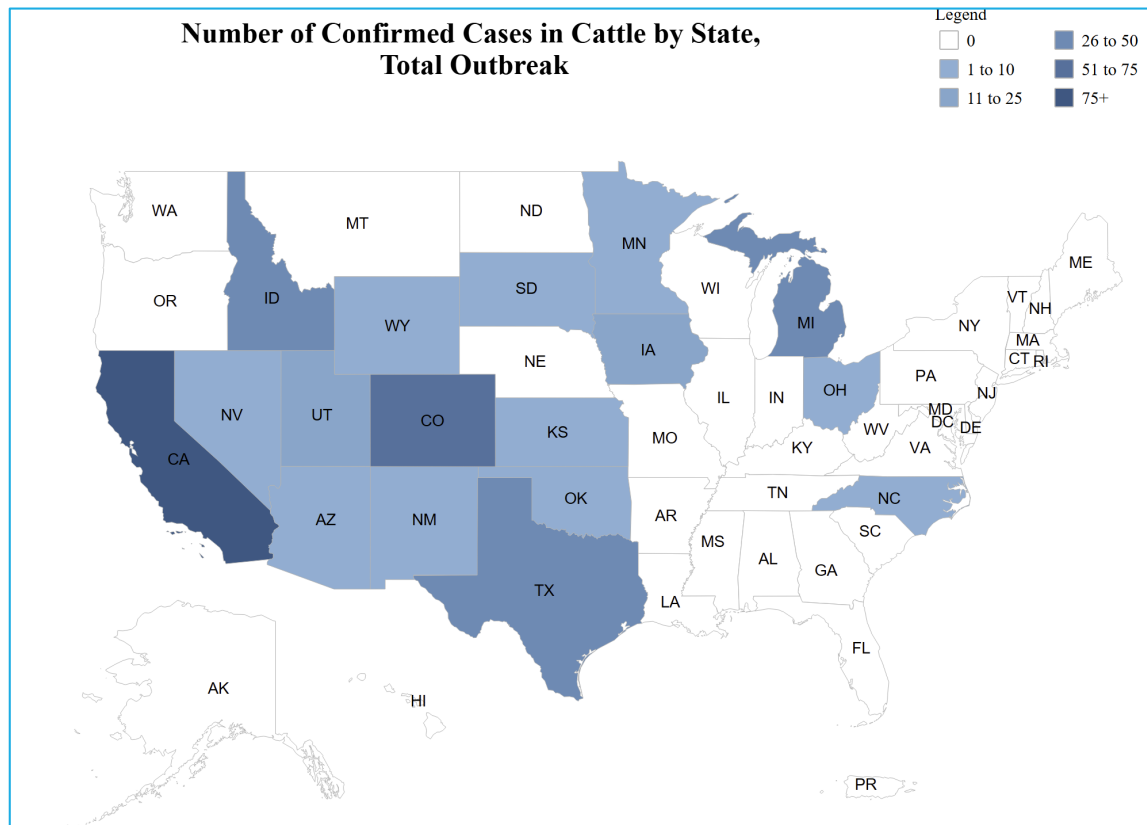


Avian/Bovine/Human Influenza

Two confirmed influenza A(H5) cases reported in Week 7

- Wyoming
 - Age 18+, exposure to backyard flock
 - HPAI A(H5N1)+
 - Respiratory and non-respiratory symptoms
 - Remains hospitalized at the time of report
- Ohio
 - Age 18+, worker at commercial poultry factory where HPAI A(H5N1) was detected
 - Involved in depopulation activities
 - HPAI A(H5N1)+
 - Respiratory and non-respiratory symptoms
 - Hospitalized, released and recovering at home

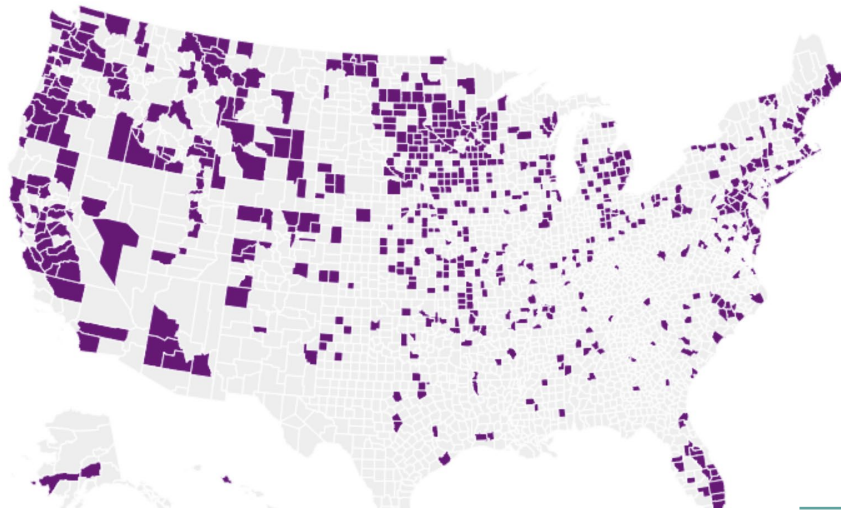
Confirmed Cases of HPAI in Domestic Livestock



As of Jan 16, 2025
973 confirmed cases in
17 states

Poultry

February 21, 2025



Birds Affected

162,801,168

Highly pathogenic avian influenza (HPAI) A(H5) viruses have been detected in U.S. wild aquatic birds, commercial poultry and backyard or hobbyist flocks beginning in January 2022. These are the first detections of HPAI A(H5) viruses in the U.S. since 2016. Preliminary genetic sequencing and RT-PCR testing on some virus specimens shows these viruses are HPAI A(H5N1) viruses from clade 2.3.4.4.

States Affected

51

Counties Affected

648

Reported Outbreaks

1,592

County	Date	Flock Type	Size
Sussex	2/13/2025	WOAH Non-Poultry	30
Kent	1/28/2025	Commercial Broiler Production	145,800
Kent	1/9/2025	Commercial Broiler Production	194,800
Kent	1/4/2025	Commercial Broiler Production	125,000

Wild Birds

Feb 18, 2025

Birds Detected

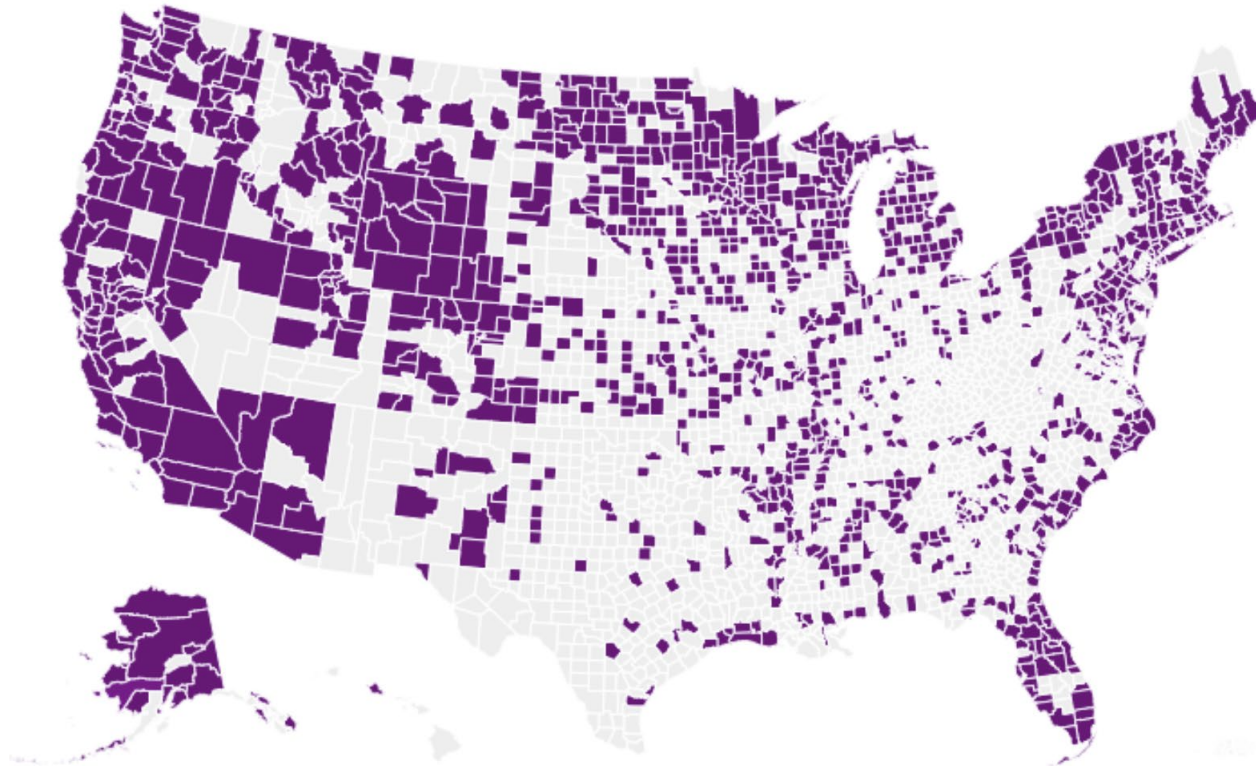
12,064

Jurisdictions Affected

52

Counties Affected

1,222



H5N1 in Cats

Highly Pathogenic Avian Influenza A(H5N1) Virus Infection of Indoor Domestic Cats Within Dairy Industry Worker Households – Michigan, May 2024

Weekly / February 20, 2025 / 74(5):61–65

Cats Effected

- Barn & feral cats
- Indoor cats
- Big cats (wild and zoo): mountain lions, tigers, leopards, bobcats

What do we know?

- Cats are susceptible to H5N1 (previous knowledge)
- Cat-to-cat transmission is unknown
- Risk of cat-to-human transmission is extremely low
 - May increase with prolonged, unprotected exposure to infected animals
 - Might be possible:
 - Naraharisetti et al, 2025:
 - HPAI A(H5N1) virus was detected in two indoor domestic cats with respiratory and neurologic illness that lived in homes of dairy workers but had no known direct exposure to HPAI A(H5N1)-affected farms. Both dairy workers declined testing; other household members received negative test results for influenza A.
- Source of infection: food (unpasteurized milk, raw/undercooked meat, raw colostrum, raw dairy, exposure)

Listeria Outbreak

What? Frozen supplemental shakes sold to LTC

- Prairie Farms Dairy
- Lyons ReadyCare, Sysco Imperial
- 4 oz



38 cases, 37 hospitalizations, 12 deaths

- Alabama, California, Colorado, Connecticut, Florida, Illinois, Indiana, **Maryland**, Mississippi, Minnesota, Montana, North Carolina, Nevada, New York, Ohio, Oklahoma, **Pennsylvania**, Tennessee, Texas, Washington, West Virginia

Chikungunya Vaccine Investigation

CDC is currently investigating

- Following vaccination with IXCHIQ
- 65+ years of age
- 5 hospitalizations
- Cardiac or neurologic events

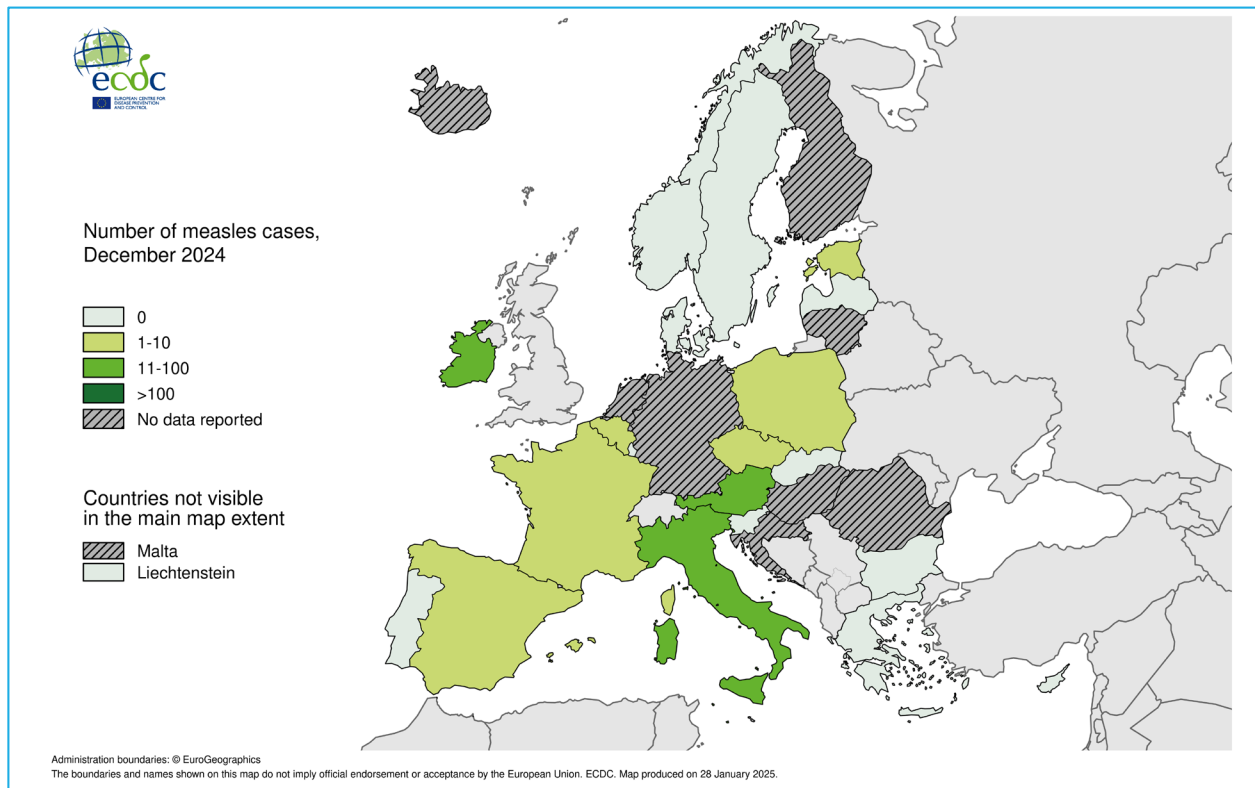
“This topic will be discussed at an upcoming meeting of the Advisory Committee on Immunization Practices (ACIP). Healthcare providers should discuss the benefits and risks of vaccination with individual travelers based on their age, destination, trip duration, and planned activities.” - CDC



EMERGING INFECTIOUS DISEASE

Measles, Europe

Measles Cases by Country, December 2024



WHO Monthly Surveillance,

February 2025

Top 10 countries with measles outbreaks

Country	Number of Cases
Pakistan	7,148
Thailand	6,852
India	6,203
Yemen	5,000
Ethiopia	4,724
Afghanistan	3,999
Indonesia	2,873
Russian Federation	2,090
Kyrgyzstan	1,890
Viet Nam	1,837

Source: World Health Organization

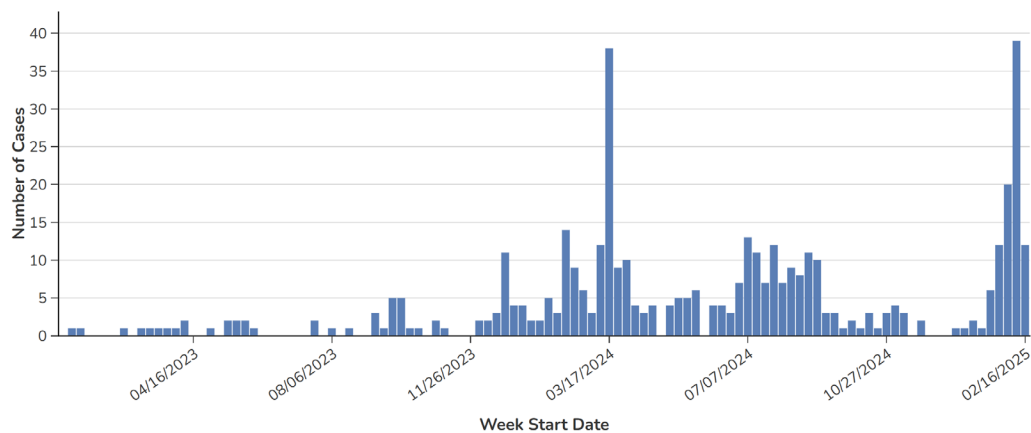
Measles, USA

2025 Measles cases in:

- Alaska
- California
- Georgia
- New Jersey
- New Mexico
- New York City
- Rhode Island
- Texas

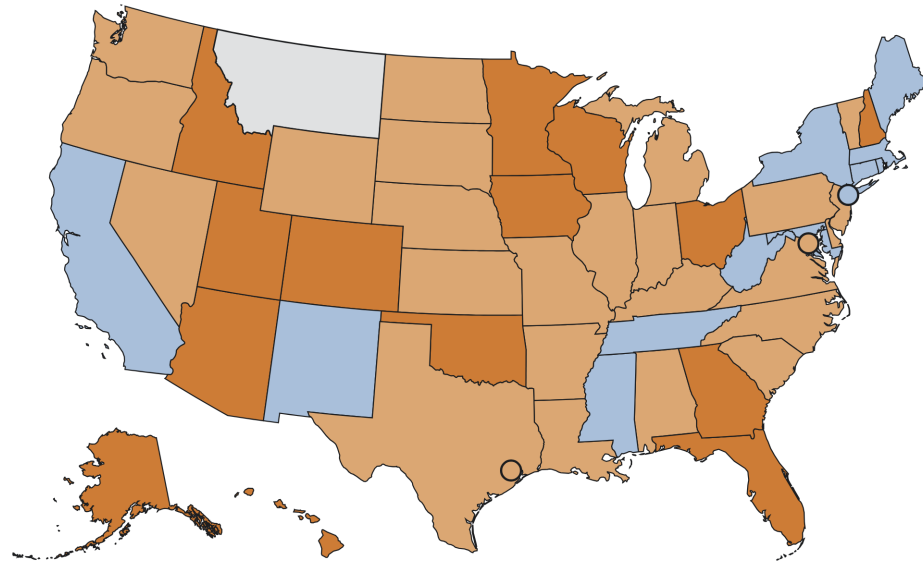
Weekly measles cases by rash onset date

2023–2025* (as of February 20, 2025)

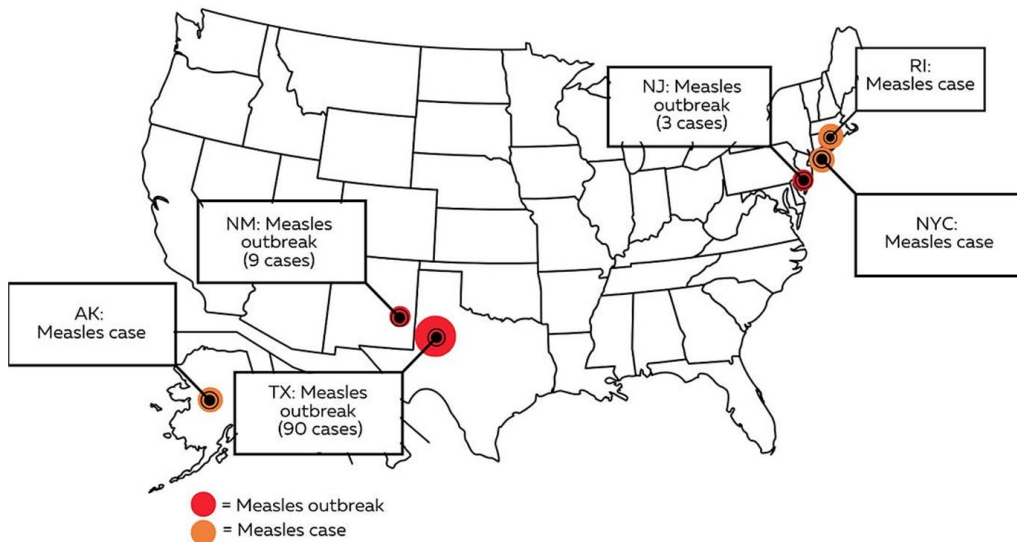


Measles, USA

Percent Vaccinated



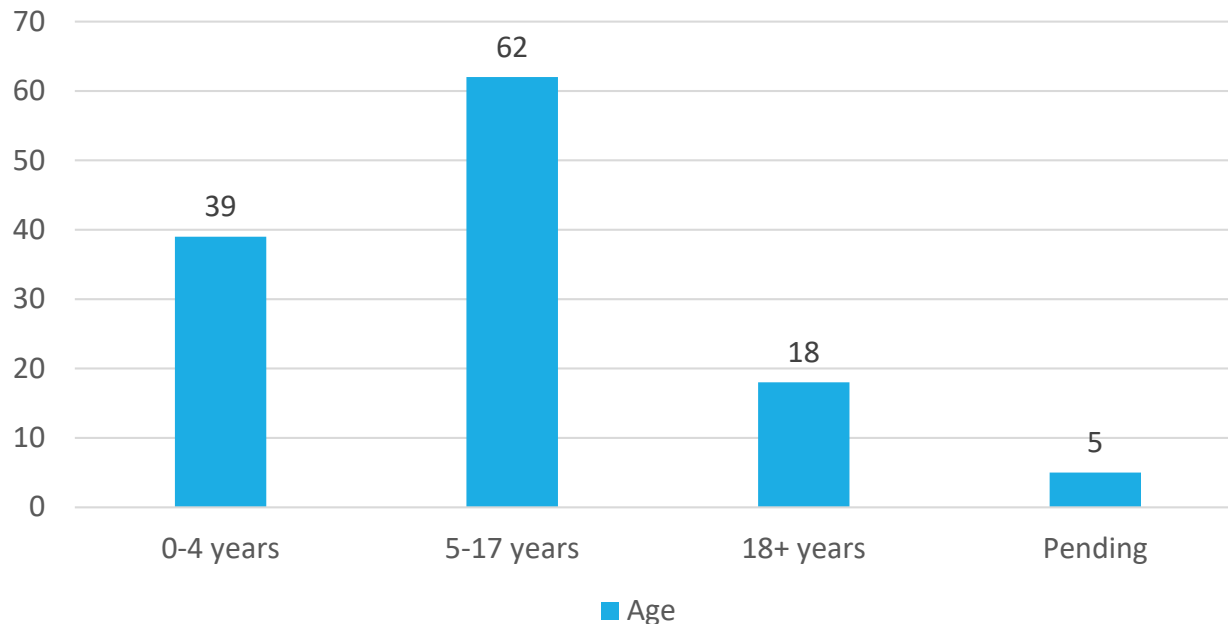
Outbreaks Across the U.S.
(past week)



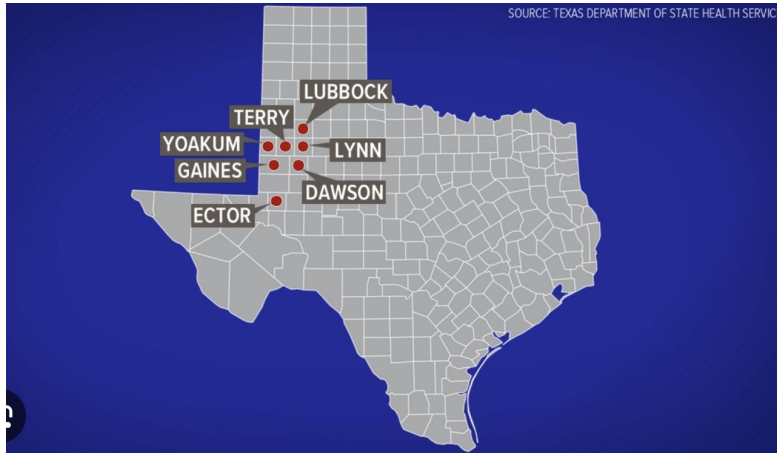
Measles, Texas

South Plains Region

- 124 cases identified since late January
 - 18 hospitalized
 - **5 vaccinated**, all others unvaccinated or status unknown
 - Gaines County unvaccinated rate in schools = **18%**



Measles, Texas



- Mobile health care units set up offering testing & vaccines
- Infected individual traveled outside outbreak area – cases will likely rise

County	Cases
Dallam	4
Gaines	80
Terry	21
Yoakum	5
Dawson	7
Ector	2 (1 < 1 year)
Lubbock	1
Lynn	1
Martin	3

Measles, Texas

- Close knit, undervaccinated Mennonite communities
 - Gaines Co – strong homeschooling and private school community
 - 14% skipped required vaccine doses last year
- Mobile health care units set up offering testing & vaccines
 - CDC is providing vaccines, and technical & laboratory support
 - State health department is handling the response
- Infected individual traveled outside outbreak area – cases will likely rise
- One unvaccinated school-aged child has **died** (2/25)
- First measles death in the US since 2015
- RFK stated the US HHS is “watching” the cases, and dismissed Texas’ outbreak as “not unusual” during a Wednesday Cabinet meeting

Measles, New Mexico

Lea County

- Near Gaines County, TX
- 9 cases since February 14
 - 5-17 years: 4 cases
 - 18+ years: 5 cases

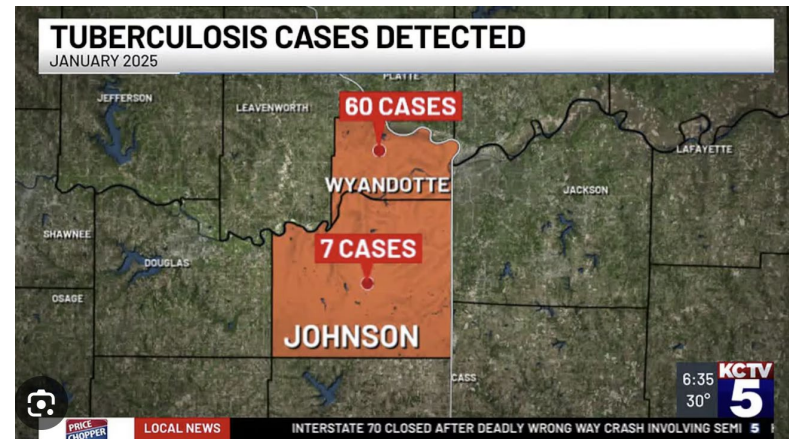


Tuberculosis, Kansas

Wyandotte and Johnson Counties

As of February 7

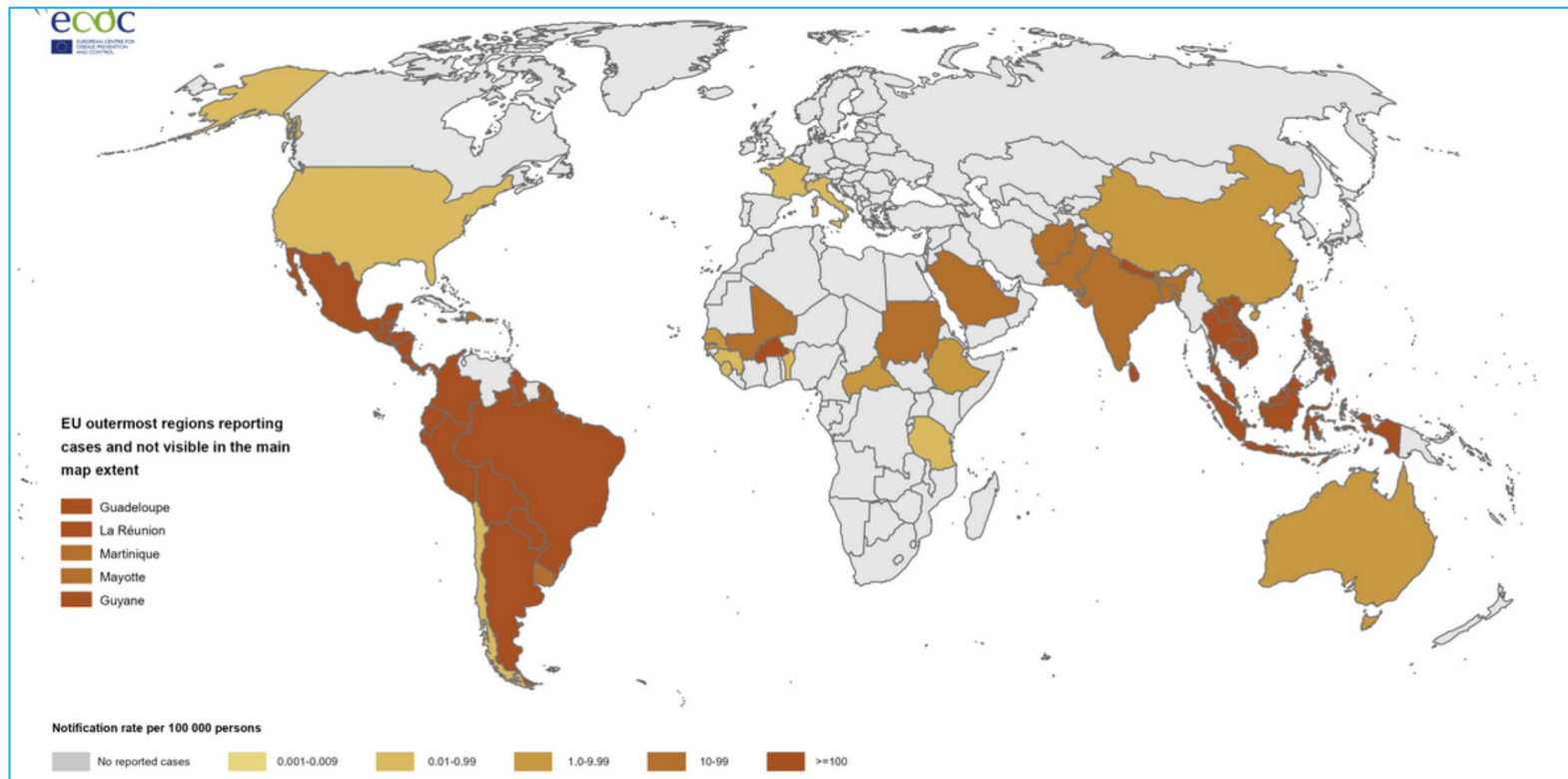
- 67 active cases
- 79 latent infections
 - No symptoms, not contagious
 - Without treatment, can develop into active TB in weeks/years
- Largest incidence of the disease over the span of a year
 - Close proximities at work
 - Multigenerational households
 - Many living with chronic conditions



Dengue

Three-month Dengue Virus Disease Case Notification Rate per 100,000 population, October-December 2024

In January 2025, over 100,000 cases and 10 deaths have been reported from 24 countries/territories.



Europe

Chikungunya

- La Reunion, France (endemic) – 1,069 cases

Dengue

- Portugal – 2 locally acquired cases

Ebola

- Uganda – all cases have recovered

Unknown

- DRC – 431 cases, 53 deaths (CFR 12.2%)
- Ongoing investigation

Respiratory Virus

- COVID-19 & RSV
 - Circulating at low levels
- Influenza
 - Continued, widespread activity
 - A(H1)pdm09, A(H3), and B/Vic
- Avian Influenza
 - A(H5N1) – USA
 - A(H9N2)
 - 2 cases, Hong Kong
 - 6 cases, China

Africa

Feb 18, 2025

Bacterial Meningitis

- 137 cases (22 confirmed, 115 suspected), 17 deaths (CFR 12.41%)
- Risk: Moderate
- 3 countries: Ghana, Mali, Togo

Dengue Fever

- 2,645 cases (272 confirmed, 156 probable, 2,217 suspected), 1 death (CFR 0.04%)
- Risk: Moderate
- 5 countries: **Burkina Faso**, Cabo Verde, Senegal, Sudan

Lassa Fever

- 1,929 cases (362 conf, 1,567 sus), 72 deaths (CFR 19.89)
- Risk: HIGH
- 4 countries: Guinea, Liberia, **Nigeria**, Sierra Leone

Measles

- 14,958 cases (2,703 confirmed, 12,255 suspected), 39 deaths (CFR 0.26%)
- Risk: Moderate
- 6 countries: Cameroon, Mali, **Morocco**, Senegal, Somalia, Uganda

Mpox

- 13,386 cases (4,031 confirmed), 116 deaths (CFR 0.87%)
- Risk: Moderate
- 15 countries: Burundi, Cameroon, CAR, Congo, Cote d'Ivoire, **DRC**, Ghana, Kenya, Liberia, Nigeria, Sierra Leone, S. Sudan, Rwanda, **Uganda**, Zambia

Africa

February 16, 2025

Unknown Illness

Democratic Republic of the Congo, Equateur Province

- 431 cases, 53 dead (CFR 12.3%)
 - Bolomba Health Zone: 12 cases, 8 deaths (CFR 66.7%)
 - Basankusu Health Zone: 419 cases, 45 deaths (CFR 10.7%)
 - No epidemiological links established between health zones
- Symptoms similar to hemorrhagic fever (negative for Ebola, Marburg, common hemorrhagic fevers); some tested positive for malaria
 - Fever, chills, headache, myalgia, body ache, sweating, rhinorrhea, neck stiffness, cough, vomiting, diarrhea, abdominal cramps
- Interval between symptom onset and death was 48 hours 48.9% of deaths
 - Initial cases reported January 21: 3 children <5 years, consumed a bat carcass
 - Developed fever, headache, diarrhea, fatigue; hemorrhagic signs (subconjunctival hemorrhage, epistaxis, hematemesis) → death

ACIP Updates

NONE

Federal Meetings

ACIP February Meeting

- Cancelled
- Not enough time for public comment

VRBPAC March 13 Meeting – Composition of Flu Vaccines

- Cancelled
- No explanation given
- “The FDA will make its recommendations to manufacturers in time for updated vaccines to be available for the 2025-2026 influenza season.” - FDA

Updates

Updates

Division of Public Health

Sequirus – Influenza Update

Save the Date

2025 UPCOMING QUARTERLY MEETINGS (ONLINE)

4TH THURSDAY, FROM 2:00 – 3:30 PM

- MAY 22
- AUGUST 28
- NOVEMBER 20 (3RD THURSDAY)

Questions?
