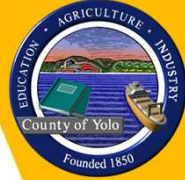




COMMUNICABLE DISEASE UPDATE

April 8, 2025

**AIMEE SISSON, MD, MPH
HEALTH OFFICER**



MEASLES VIRUS IS HIGHLY CONTAGIOUS.

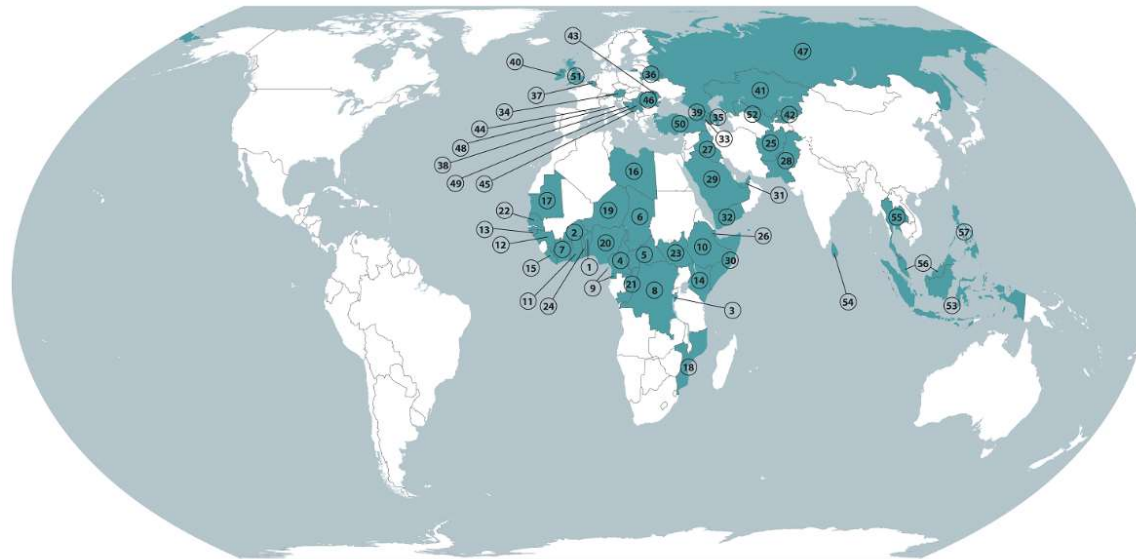
- Measles is highly infectious, and potentially severe viral infection
- Spreads through air and contaminated surfaces
- Symptoms include fever, cough, conjunctivitis (pink eye), and runny nose, followed by rash that spreads downward from face to toes
- People can spread measles up to 4 d before and 4 d after rash starts
- Complications: expect 1/5 hospitalized, 1/20 pneumonia, 1/1000 encephalitis, and 1-3/1000 death
 - More likely in children <5y, adults >20y, pregnant persons, and immunocompromised



U.S. HAS SEVERAL MEASLES OUTBREAKS.

- 607 U.S. cases reported in 2025 so far (285 in all of 2024)
 - 97% of cases unvaccinated or unknown
 - 32% of cases <5 y/o; 40% ages 5-19 y
 - 12% of cases hospitalized
 - 3 deaths: 2 in TX (school-aged, unvaccinated), 1 in NM (adult, unvaccinated)
- Large outbreak in Texas (481 cases in South Plains and Panhandle regions), New Mexico (54 cases), and Oklahoma (8 cases)
 - Close-knit communities with low vaccination rates
- Smaller outbreaks in Ohio (10 cases), Kansas (24 cases)

MANY COUNTRIES HAVE MEASLES TRANSMISSION.



Measles THN

AFRICA

1. Benin
2. Burkina Faso
3. Burundi
4. Cameroon
5. Central African Republic
6. Chad
7. Cote d'Ivoire
8. Dem. Rep. of the Congo
9. Equatorial Guinea
10. Ethiopia
11. Ghana

12. Guinea
13. Guinea-Bissau
14. Kenya
15. Liberia
16. Libya
17. Mauritania
18. Mozambique
19. Niger
20. Nigeria
21. Rep. of the Congo
22. Senegal
23. South Sudan
24. Togo

EASTERN MEDITERRANEAN

25. Afghanistan
26. Djibouti
27. Iraq
28. Pakistan
29. Saudi Arabia
30. Somalia
31. United Arab Emirates
32. Yemen

EUROPE

33. Armenia
34. Austria
35. Azerbaijan
36. Belarus
37. Belgium
38. Bosnia and Herzegovina
39. Georgia
40. Ireland
41. Kazakhstan
42. Kyrgyzstan
43. Moldova

44. Monaco
45. Montenegro
46. Romania
47. Russia
48. San Marino
49. Serbia
50. Türkiye (Turkey)
51. United Kingdom
52. Uzbekistan

SOUTH-EAST ASIA

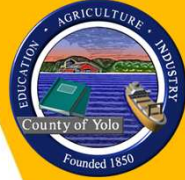
53. Indonesia
54. Sri Lanka
55. Thailand

WESTERN PACIFIC

56. Malaysia
57. Philippines

 Measles Travel Health Notice

Names and boundary representation are not necessarily authoritative.



MEASLES IS A GROWING THREAT IN CALIFORNIA.

- California has had 8 cases of measles reported in 2025
 - Fresno, Los Angeles, Orange, Placer, San Mateo, and Tuolumne counties
- All associated with international travel
- In 2024, there were 15 confirmed measles cases in California; in 2023, there were 4
- 2 Yolo County children infected with measles in 2024 after international travel

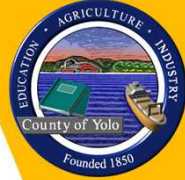


MEASLES IS PREVENTABLE.

- Measles is preventable through vaccination.
 - 2 doses 97% effective
- MMR vaccine typically administered at 12 mo & 4-6 y
- Early dose of MMR can be given from 6-11 mo if international travel is planned; for those 1-4 y, 2nd dose can be given 28 d after 1st
- Adults traveling internationally should have evidence of immunity* or 2 doses of MMR
- Vitamin A is used in measles treatment, but does not prevent measles and can cause liver injury if not carefully administered



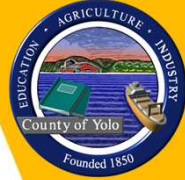
* Evidence of immunity includes written documentation of vaccination, positive measles serology (titers), lab confirmation of prior infection, or birth before 1957



YOLO'S MEASLES VACCINATION RATE IS HIGH.

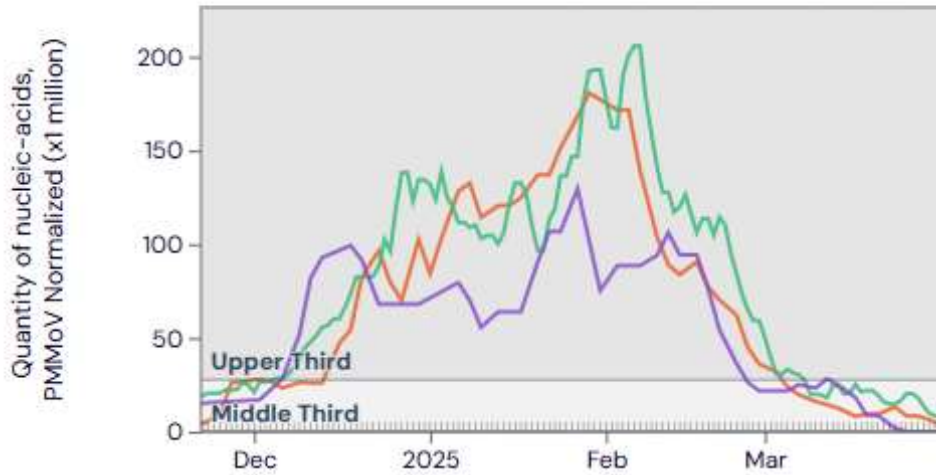
Year Entering Kindergarten	Yolo MMR 2+	California MMR 2+
2017	96.3%	96.9%
2018	96.8%	96.5%
2019	96.6%	96.5%
2020	95.3%	95.1%
2021	95.8%	96.3%
2022	96.4%	
2023	96.5%	

Source: CDPH Shots for Schools



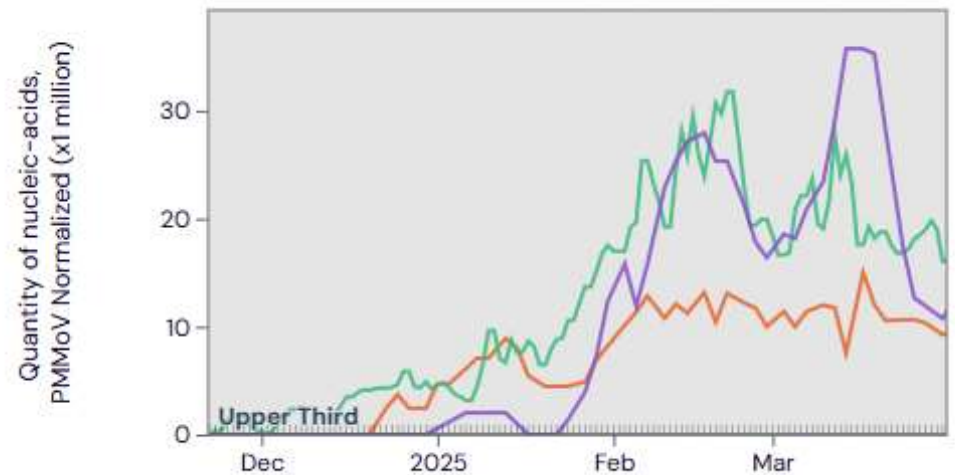
SEASONAL INFLUENZA ACTIVITY HAS DROPPED.

Influenza A, 3 Sites



- ▨ National Levels
- Sample collected
- Davis, CA (City of Davis Wastewater Treatment Plant)
- Sacramento, CA (Sacramento Regional Wastewater Treatment Plant)
- Woodland, CA (Woodland Water Pollution Control Facility)

Influenza B, 3 Sites

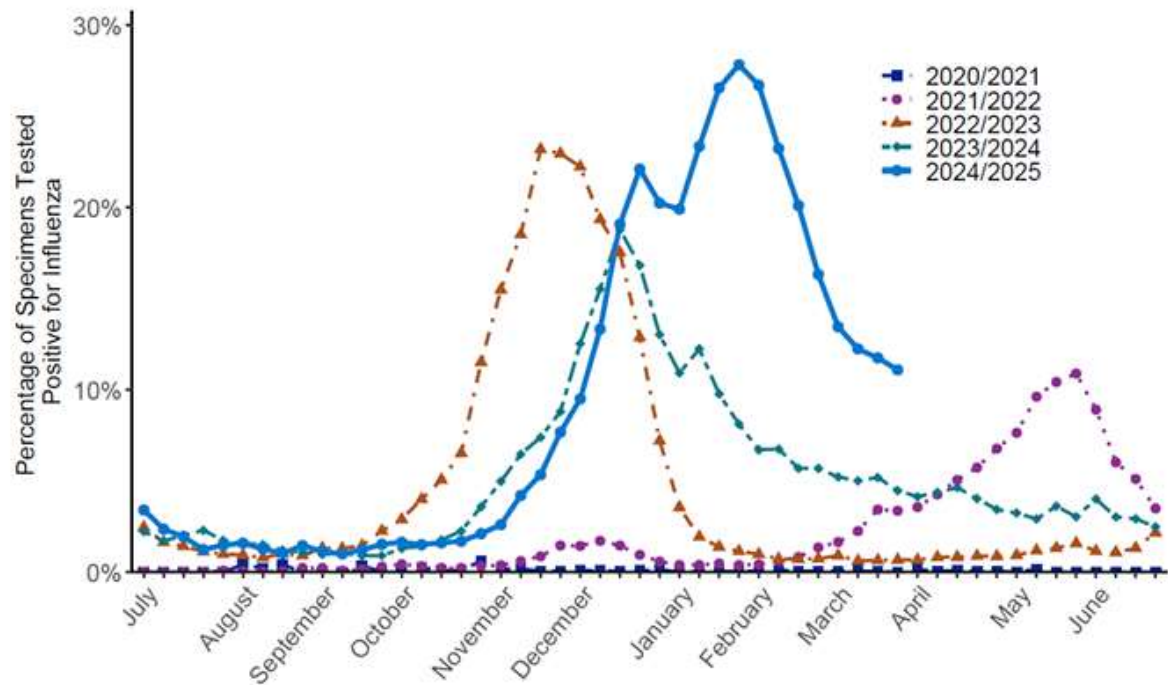







- ▨ National Levels
- Sample collected
- Davis, CA (City of Davis Wastewater Treatment Plant)
- Sacramento, CA (Sacramento Regional Wastewater Treatment Plant)
- Woodland, CA (Woodland Water Pollution Control Facility)



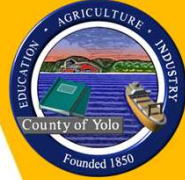
CA SEASONAL INFLUENZA ACTIVITY DECREASING.

Figure 2. Percentage of Influenza Detections at Clinical Sentinel Laboratories, 2020/2021 Season to Date



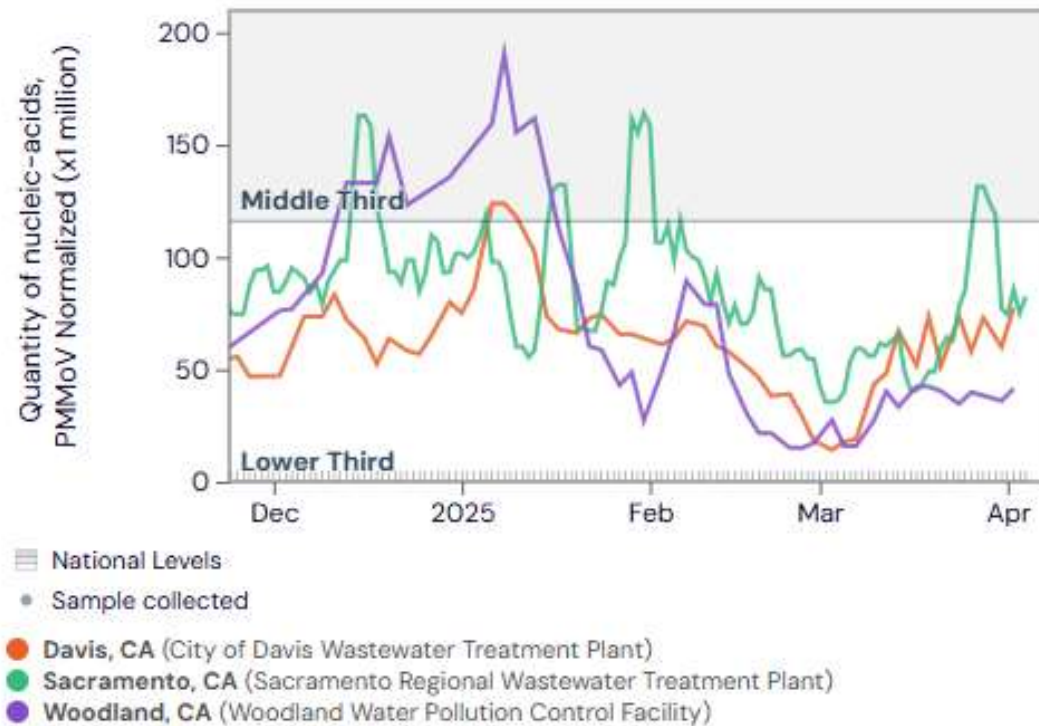
	FLU
 Test Positivity (change)	11.1% (-0.6)
 New Admissions Rate per 100,000 Persons (change)	1.2 (-0.6)
 Percent of Total Deaths (change)	0.2% (-0.4)
 Total Season Pediatric Deaths (new)	22 (3)
 Wastewater Concentrations (trend)	N/A

Source: CDPH Respiratory Virus Weekly Report, 3/23/25-3/29/2025

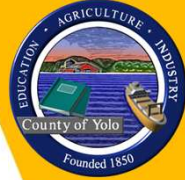


YOLO SARS-CoV-2 ACTIVITY IS LOW.

SARS-CoV-2, 3 Sites



Source: WastewaterSCAN, as of 4/7/2025



AVIAN INFLUENZA CASES HAVE SLOWED.

- California has 38 confirmed human cases to date; U.S. has 70
- Last human case in CA reported 1/14/25
- No California deaths; 1 U.S. death
- No person-to-person spread
- Current public health risk low
- Risk higher among people who work with animals
 - Last poultry case in CA reported 2/18/25
 - Cases in CA dairy cattle slowing