



SHEA

The Society for Healthcare
Epidemiology of America

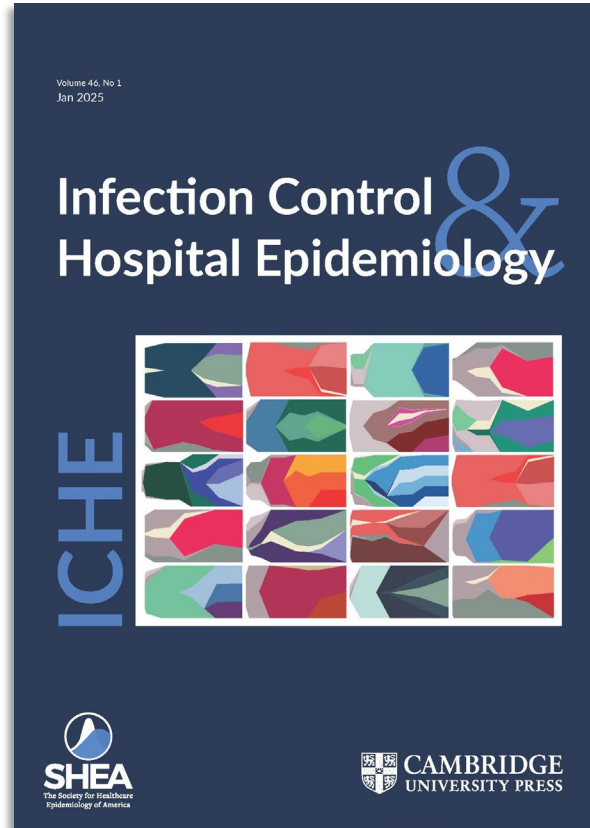
SAFE HEALTHCARE FOR ALL



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ICHE Journal



Infection Control & Hospital Epidemiology publishes scientifically authoritative, clinically applicable, peer-reviewed research on control and evaluation of the transmission of pathogens in healthcare institutions and on the use of epidemiological principles and methods to evaluate and improve the delivery of care. Major topics covered include infection control practices, surveillance, antimicrobial stewardship, cost-benefit analyses, resource use, occupational health, and regulatory issues.

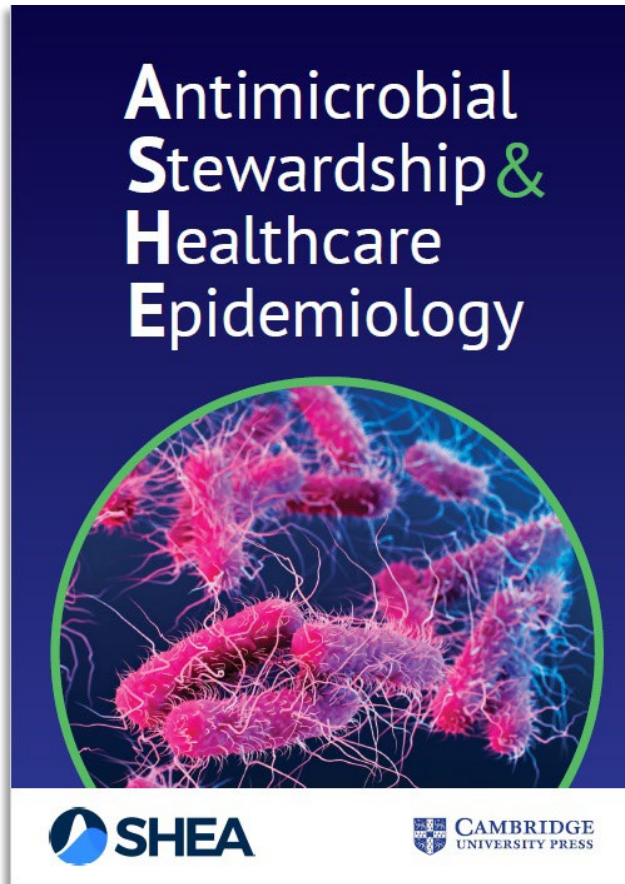
www.cambridge.org/iche



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ASHE JOURNAL



High quality articles across the full spectrum of antimicrobial stewardship and healthcare epidemiology.

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Global, **open access journal**, bringing the widest possible impact, reach and discoverability of your research.

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TUNE IN TO SHEA'S PODCASTS



AVAILABLE ON:



Online ID Fellows Course

Primer on Healthcare Epidemiology, Infection Control & Antimicrobial Stewardship



SCAN TO
LEARN MORE

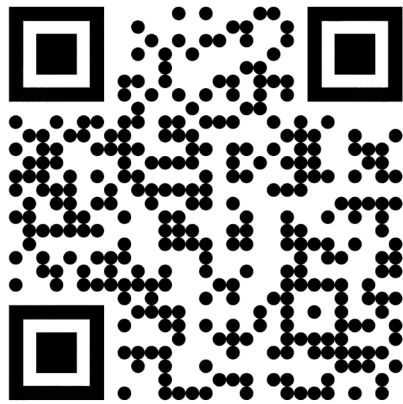




LEARNINGCE

SHEA Online Education Center

SCAN HERE
to explore SHEA's
online education!



ELEARNING COURSES

NEW! [Penicillin Allergy Management: Removing Barriers to Optimal Antibiotic Prescribing](#)

This course highlights the importance of penicillin allergy evaluation in improving antibiotic prescribing. Learn to take allergy histories, assess risk, perform testing, and safely remove low-risk labels.

NEW! [Healthcare Leadership Communication: Navigating Policy, Media, & Social Influence](#)

This course equips healthcare professionals with key skills in leadership, media communication, policy influence, and social media strategies to advance their careers and amplify their impact.

ON-DEMAND WEBINAR

[Educating Medical Students on Antimicrobial Stewardship](#)

This program prepares future medical professionals to tackle antimicrobial resistance with effective stewardship tools and strategies.



SHEA SPRING

APRIL 27-30, 2025

SHEASpring.org | [#SHEASpring2025](https://twitter.com/SHEASpring2025)



CHAMPIONSGATE, FLORIDA

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SHEA Webinar

Town Hall 2025

Housekeeping



- Technical difficulties? Visit: <https://support.zoom.us>
- Webinar recording, PowerPoint presentation, and references available on learningce.shea-online.org
- Streaming Live on SHEA's Facebook page
- Zoom Polling, Q&A & Chat



SAFE HEALTHCARE FOR ALL

March Town Hall Panelists:



Dr. Marci Drees
ChristianaCare



Dr. Trish Perl
UT Southwestern Medical Center



Dr. Matthew Linam
Emory University



Dr. Erica Shenoy
Mass General Brigham

Invited Panelist:



Dr. David J. Weber, MD, MPH, FIDSA, FSHEA, FRSM (London)

Charles Addison & Elizabeth Ann Sanders Distinguished Professor of Medicine, Pediatrics & Epidemiology

UNC School of Medicine and UNC Gillings School of Global Public Health

Associate Chief Medical Officer, UNC Medical Center

Associate Chief Quality Officer, UNC Medical Center

Medical Director, Department of Infection Prevention, UNC Medical Center

Chair, Institutional Review Board, UNC Chapel Hill

President, Society for Healthcare Epidemiology of America (SHEA)



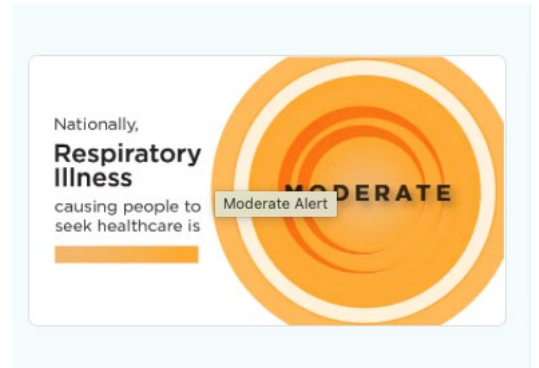
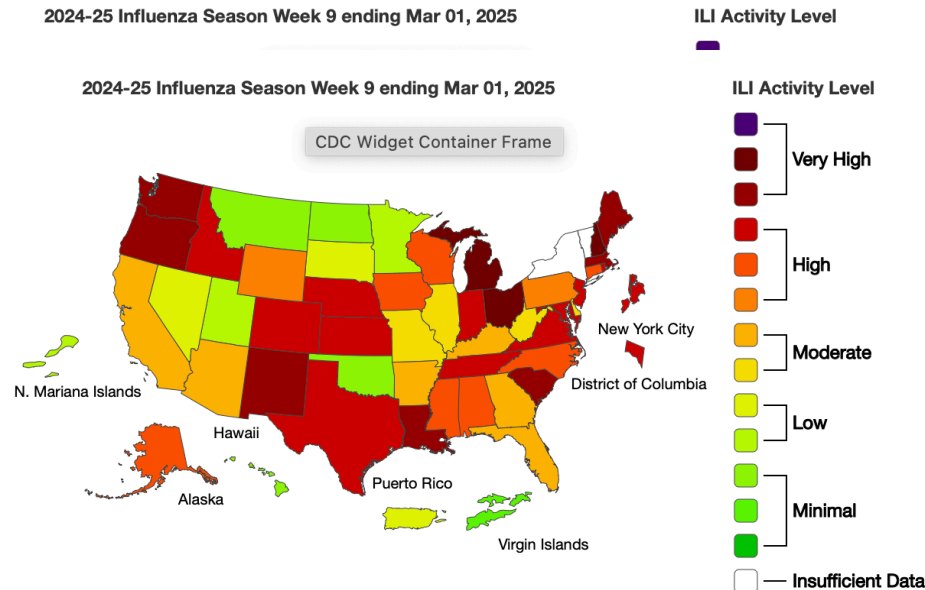
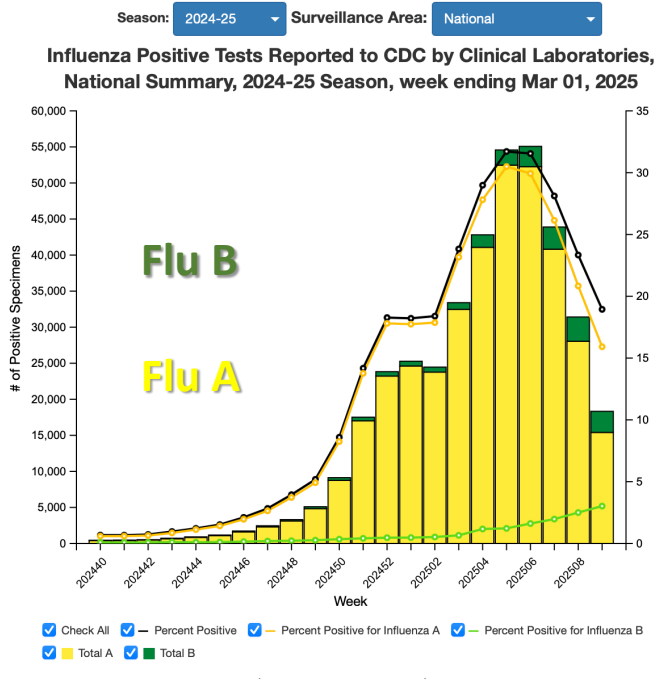
SAFE HEALTHCARE FOR ALL

General Literature Review

- Arabi, YB et al. *JAMA*, Electronic Sepsis Screening Among Patients Admitted to Hospital Wards A Stepped-Wedge Cluster Randomized Trial
- SUNRRISE Trial Study Group. *JAMA*, Negative Pressure Dressings to Prevent Surgical Site Infection After Emergency Laparotomy The SUNRRISE Randomized Clinical Trial
- BALANCE Investigators. *NEJM*, Antibiotic Treatment for 7 versus 14 Days in Patients with Bloodstream Infections
- Hanula et al. *Clin Infect Dis*, Evaluation of Influenza Antiviral Prophylaxis for Long-term Care Residents: A Systematic Review and Meta-analysis
- Redmond et al. *Clin Infect Dis*, Emergence and Spread of *Clostridioides difficile* Isolates With Reduced Fidaxomicin Susceptibility in an Acute Care Hospital
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- Kraemer et al. *Nature*, Artificial intelligence for modelling infectious disease epidemics

Influenza/Respiratory Virus: Update

Outpatient ILI Visits



19% decrease in lab pos

5% decrease in visits to PCP

Decrease in hospitalizations for resp viruses to NHSN

2.5% mortality (decreased)

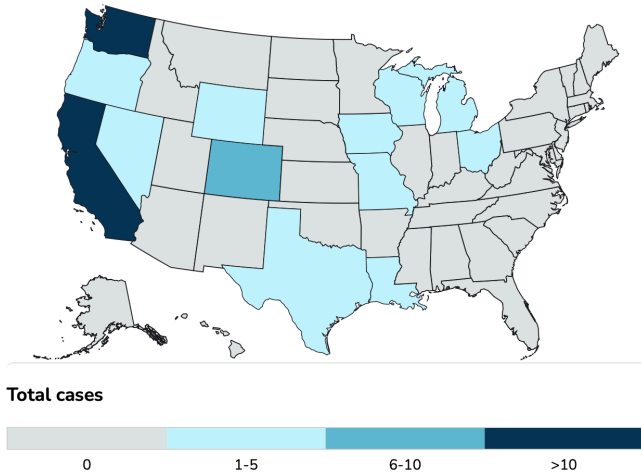
16 pediatric deaths last week

[FluView](#) | [FluView](#) | [CDC](#)

Frutos AM et al. Interim Estimates of 2024–2025 Seasonal Influenza Vaccine Effectiveness — Four Vaccine Effectiveness Networks, United States, October 2024–February 2025; MMWR

Avian Influenza: Updates

H5N1



70 total cases; 6 cases since Feb 25
 51 jurisdictions with avian flu in wild birds
 51 jurisdictions with outbreaks of poultry
 983 dairy herds affected (17 states)

[FluView](#) | [FluView](#) | [CDC](#)

Narahaisetti et al. Highly Pathogenic Avian Influenza A(H5N1) Virus Infection of Indoor Domestic Cats Within Dairy Industry Worker Households — Michigan, May 2024

Cronin et al. Research Square (preprint) Air sampling accurately captures circulating zoonotic viral diversity emerging from poultry live-animal markets <https://doi.org/10.21203/rs.3.rs-5682962/v1>

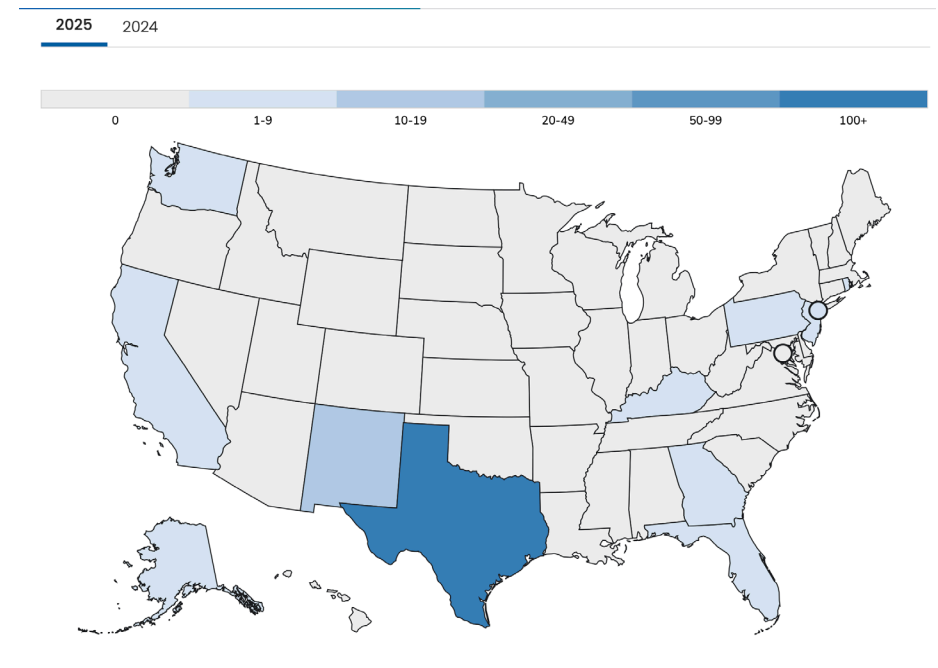
FIGURE. Testing, signs, and symptoms in cats*[†] and household members^{§,¶} of domestic indoor cats infected with highly pathogenic avian influenza A(H5N1) virus, clade 2.3.4.4b genotype B3.13 (N = 2) — Michigan, 2024

Household/Resident persons and animals	Day after illness onset in cat 1A														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Household 1															
Cat 1A	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cat 1B					■	■	■	■	■	■	■	■	■	■	■
Cat 1C										■					
Adult dairy farmworker															
Adult												■			
Adolescent 1A								■	■	■	■	■	■	■	■
Adolescent 1B												■			
Household 2															
Cat 2A												■	■	■	■
Cat 2B												■			■
Adult dairy farmworker															■

- Negative HPAI A(H5N1) test result
- Signs or symptoms of illness present
- Signs or symptoms of illness present and negative HPAI A(H5N1) test result
- Signs or symptoms of illness present, positive HPAI A(H5N1) test result, and died
- Lost to follow-up

Measles– U.S.

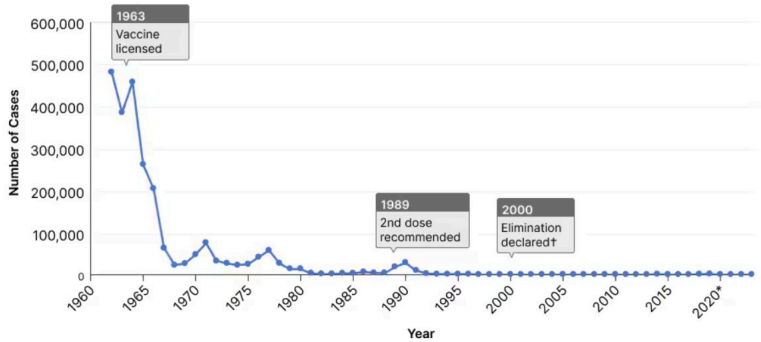
- U.S. (as of 3/7/25): 222 cases in the US (AL, RI, CA, GA, FL, KY, NJ, PA, NYC most in unvaccinated children 3 outbreaks (93% outbreak associated) vs 16 outbreaks in 2024 69% outbreak associated [CDCHAN-00522]
- TX: 223 cases (3/11/25)
 - 29 hospitalized; 1 death (1 child unvaccinated);
 - Expanded to 9 counties;
 - 78% under age 18;
 - 36% unvaccinated; 62% vaccine status unknown; 3% at least one dose
- NM: 30 cases
 - 15 \geq 18 years old
 - 87% not vaccinated;
 - 13% status unknown;
 - 1 death



<https://www.cdc.gov/measles/data-research/index.html>;
<https://www.dshs.texas.gov/news-alerts/measles-outbreak-2025>

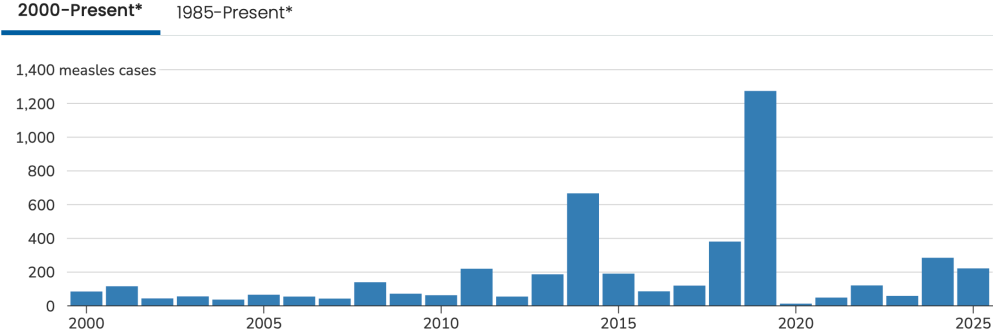
Measles

Reported Measles Cases in the United States from 1962 – 2023*

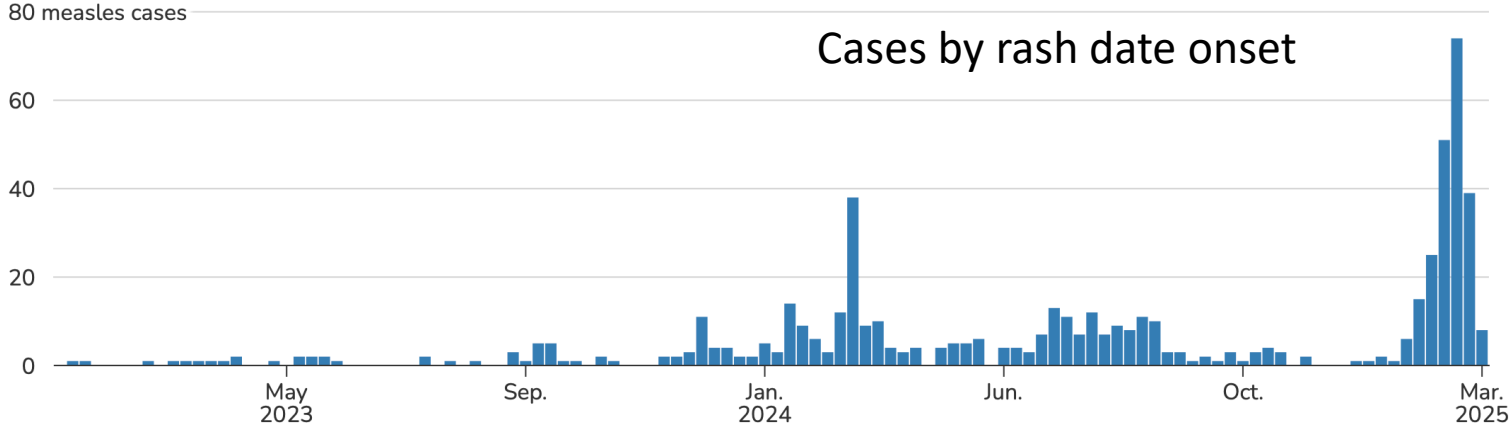


Yearly measles cases

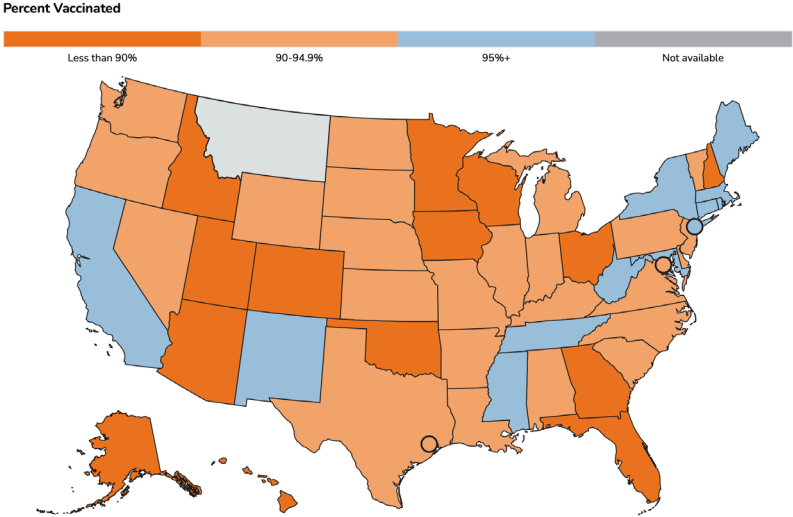
as of March 6, 2025



2023–2025* (as of March 6, 2025)



% Kindergartener's vaccinated



Measles Literature Review

- Pampaka D et al. *Eurosurveillance*, An interregional measles outbreak in Spain with nosocomial transmission, November 2017 to July 2018
- Gambrell et al. *Vaccine*, Estimating the number of US children susceptible to measles resulting from COVID-19-related vaccination coverage declines
- Munday JD, et al. *PLoS Med*, Estimating the risk and spatial spread of measles in populations with high MMR uptake: Using school-household networks to understand the 2013 to 2014 outbreak in the Netherlands
- Zhou, F et al. *MMWR*, Health and Economic Benefits of Routine Childhood Immunizations in the Era of the Vaccines for Children Program — United States, 1994–2023
- Pike J et al. *Clin Infect Dis*, A Review of Measles Outbreak Cost Estimates From the United States in the Post-elimination Era (2004–2017): Estimates by Perspective and Cost Type
- Remington et al. *JAMA*, Airborne Transmission of Measles in a Physician's Office

Resources for Outbreak/Global Health Updates

- CIDRAP newsletter (www.cidrap.umn.edu)
- European CDC – [weekly communicable disease threats reports](#)
- Your Local Epidemiologist
- State/local health depts & Health Alert Networks (HANs)
- PAHO – Pan American Health Organization
- National Biosurveillance Integration Center (part of Homeland Security) – via state/local DOH
- [WHO Disease Outbreak News](#)

- Arabi, YB et al. *JAMA*, Electronic Sepsis Screening Among Patients Admitted to Hospital Wards A Stepped-Wedge Cluster Randomized Trial
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