



National Center for Immunization & Respiratory Diseases



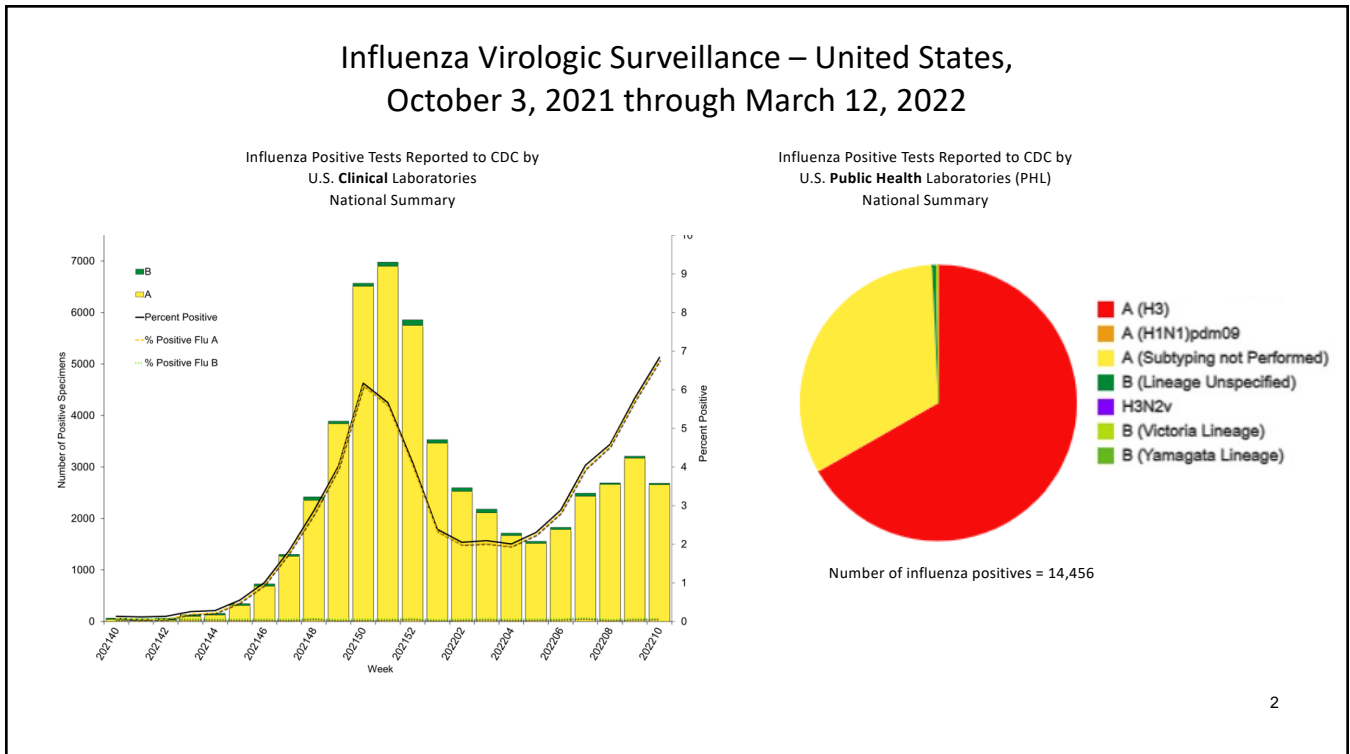
Influenza Activity in the United States 2021 – 2022 Season

Data through the week ending March 12 (week 10)



<https://www.cdc.gov/flu/weekly/index.htm>

1



2

Influenza Virologic Surveillance – United States, October 3, 2021, through March 12, 2022

Virus Subtype or Lineage	Genetic Characterization				
	Total No. of Subtype/Lineage Tested	HA Clade	Number (% of subtype/lineage tested)	HA Subclade	Number (% of subtype/lineage tested)
A/H1	3				
		6B.1A	3 (100%)	5a.1	2 (66.7%)
				5a.2	1 (33.3%)
A/H3	791				
		3C.2a1b	791 (100%)	1a	1 (0.1%)
				1b	1 (0.1%)
				2a	0
				2a.1	0
				2a.2	789 (99.8%)
		3C.3a	0	3a	0
B/Victoria	23				
		V1A	23 (100%)	V1A	0
				V1A.1	0
				V1A.3	9 (39.1%)
				V1A.3a	0
				V1A.3a.1	0
				V1A.3a.2	14 (60.9%)
B/Yamagata	0				
		Y3	0		

Antigenic Characterization

Virus	Number Tested	Number (%) antigenically similar to vaccine reference virus
A/H3N2	58	2 (3%) similar to cell-grown reference virus
		18 (31%) similar to egg-grown reference virus
A/H1N1	2	1 (50%) similar to cell-grown reference virus
		1 (50%) similar to egg-grown reference virus
B/Victoria	14	11 (79%) similar to cell-grown reference virus
		11 (79%) similar to egg-grown reference virus
B/Yamagata	0	

No antiviral resistance virus detected.

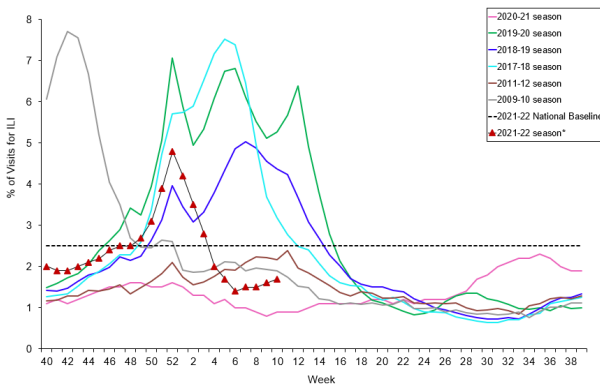
- Oseltamivir, Peramivir, Zanamivir: 833 tested
- Baloxavir: 819 tested

3

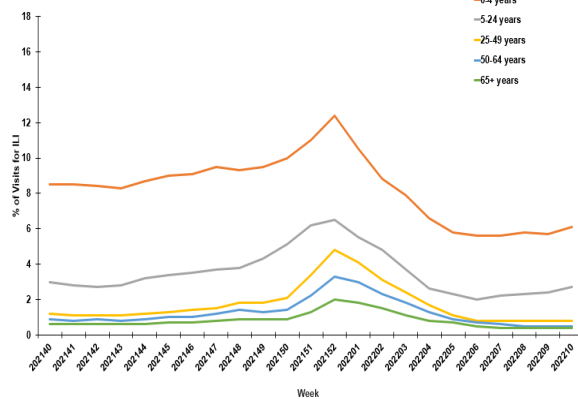
3

Outpatient Visits for Respiratory Illness, Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)

Percentage of Outpatient Visits for Respiratory Illness
National Summary
2021-2022 and Selected Previous Seasons



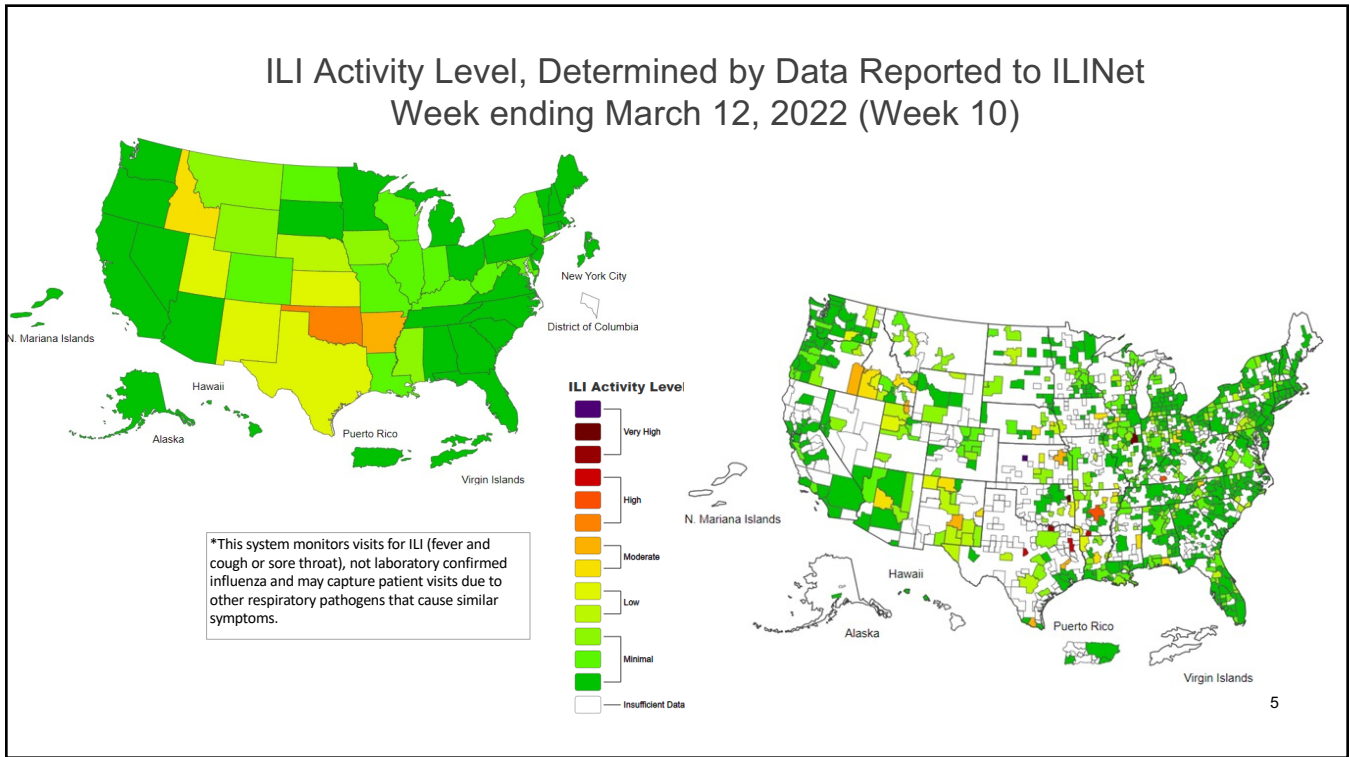
Percentage of Outpatient Visits for ILI
National Summary, by Age Group
October 3, 2021 – March 12, 2022



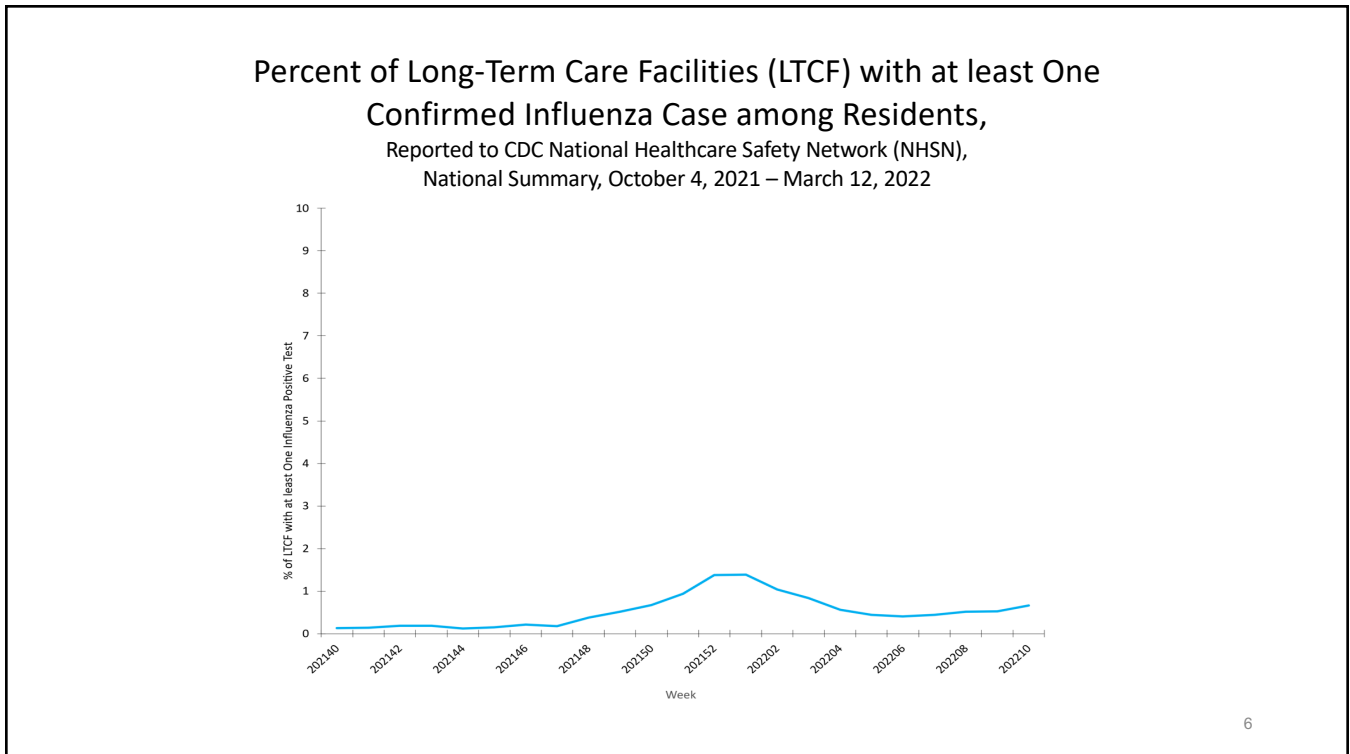
*This system monitors visits for respiratory illness that includes fever plus cough or sore throat (referred to as ILI) not laboratory confirmed influenza, and may capture patient visits due to other respiratory pathogens that cause similar symptoms.

4

4



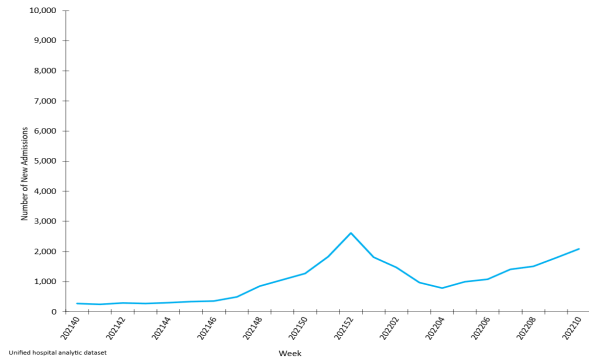
5



6

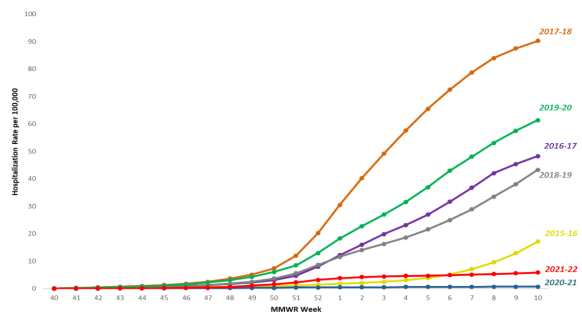
Influenza Hospitalizations United States

Influenza Hospital Admissions Reported to HHS Protect
National Summary
October 3, 2021 – March 12, 2022



FluSurv-NET

Cumulative Rate of Laboratory-Confirmed Influenza-Associated Hospitalizations Among Cases of All Ages as of MMWR Week 10, 2015-16 to 2021-22

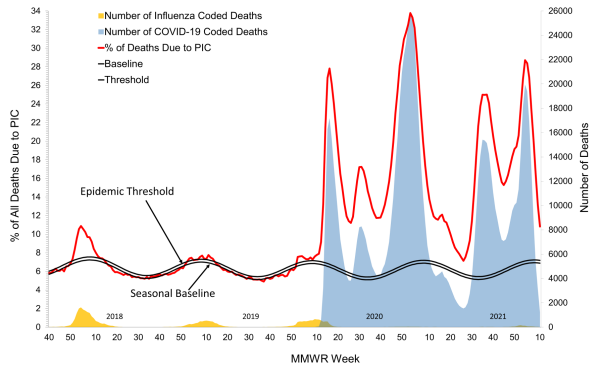


7

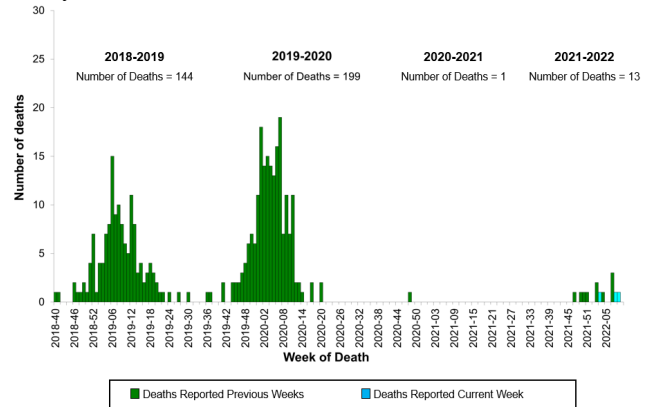
7

Influenza-Related Mortality United States

Pneumonia, Influenza, and COVID-19 Mortality from the National Center for Health Statistics Mortality Surveillance System
Data as of March 17, 2022

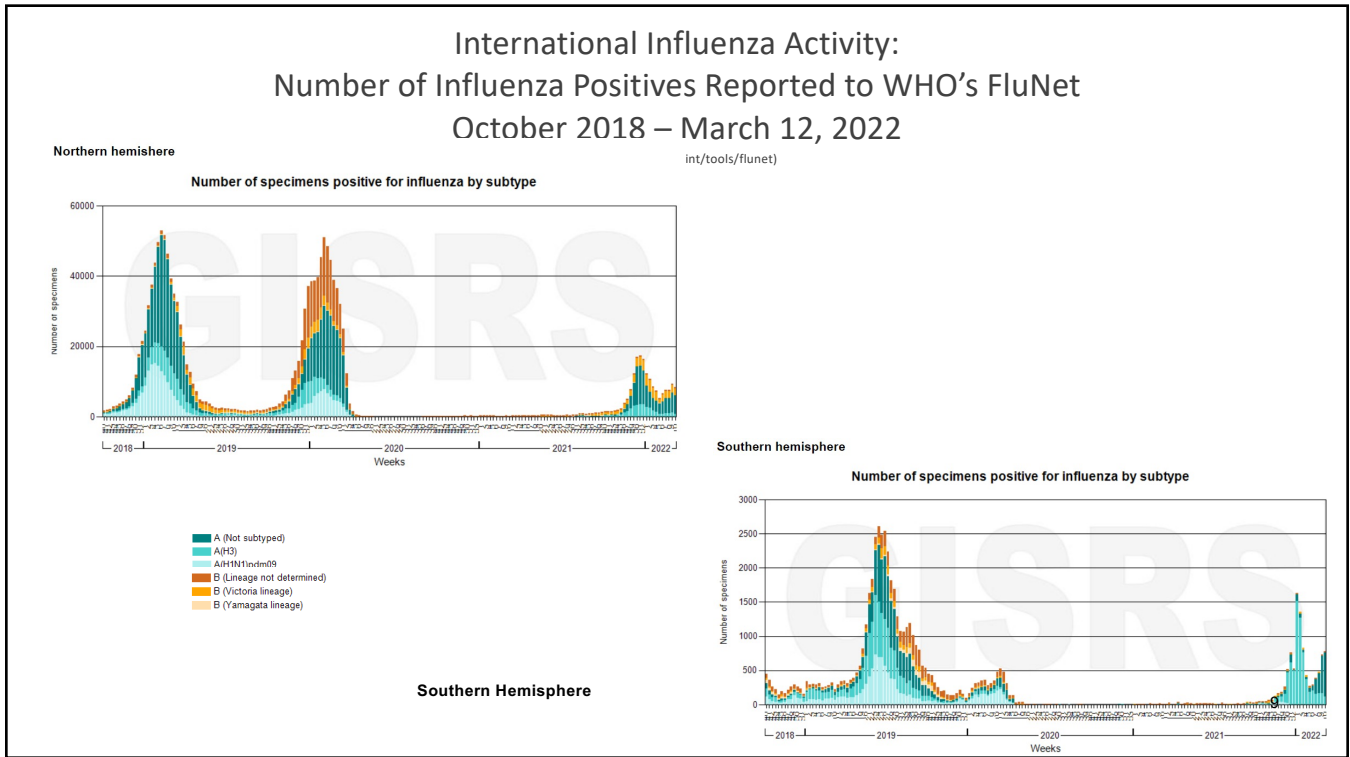


Influenza-Associated Pediatric Deaths by Week of Death, 2018-2019 season to 2021-2022 season



8

8



9

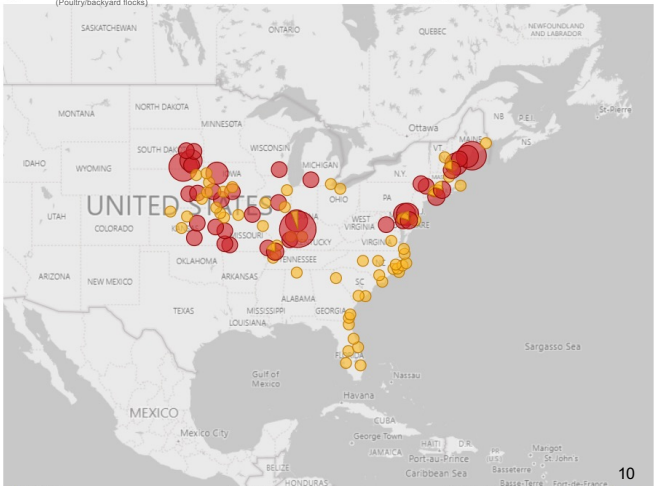
Highly Pathogenic Avian Influenza (HPAI) A(H5N1): U.S. Status as of March 23, 2022

- Continued detections of HPAI H5N1 in birds
 - Wild birds - 25 states
 - Commercial poultry and backyard flocks – 54 outbreaks in 17 states
- No human cases in the U.S.

2022 H5N1 Highly Pathogenic Avian Influenza, United States

3/23/2022 11:23 AM

Type ● Confirmed Outbreak (Poultry/backyard flocks) ● Wild Bird Detection (Poultry/backyard flocks) Last Data Refresh



10

Data source: USDA APHIS

10

HPAI A(H5N1): Take Home Points

- No human infections with HPAI H5 in the U.S. at this time
- Risk to general public is low
- Risk to poultry workers, outbreak responders and waterfowl hunters may be increased as wild bird and poultry outbreaks continue
 - A human case may occur
- It is safe to eat properly handled and cooked poultry
- More information
 - CDC: <https://www.cdc.gov/flu/avianflu/avian-flu-summary.htm>
 - USDA: <https://www.aphis.usda.gov/aphis/ourfocus/animalhealth/animal-disease-information/avian/avian-influenza/2022-hpai>

11