

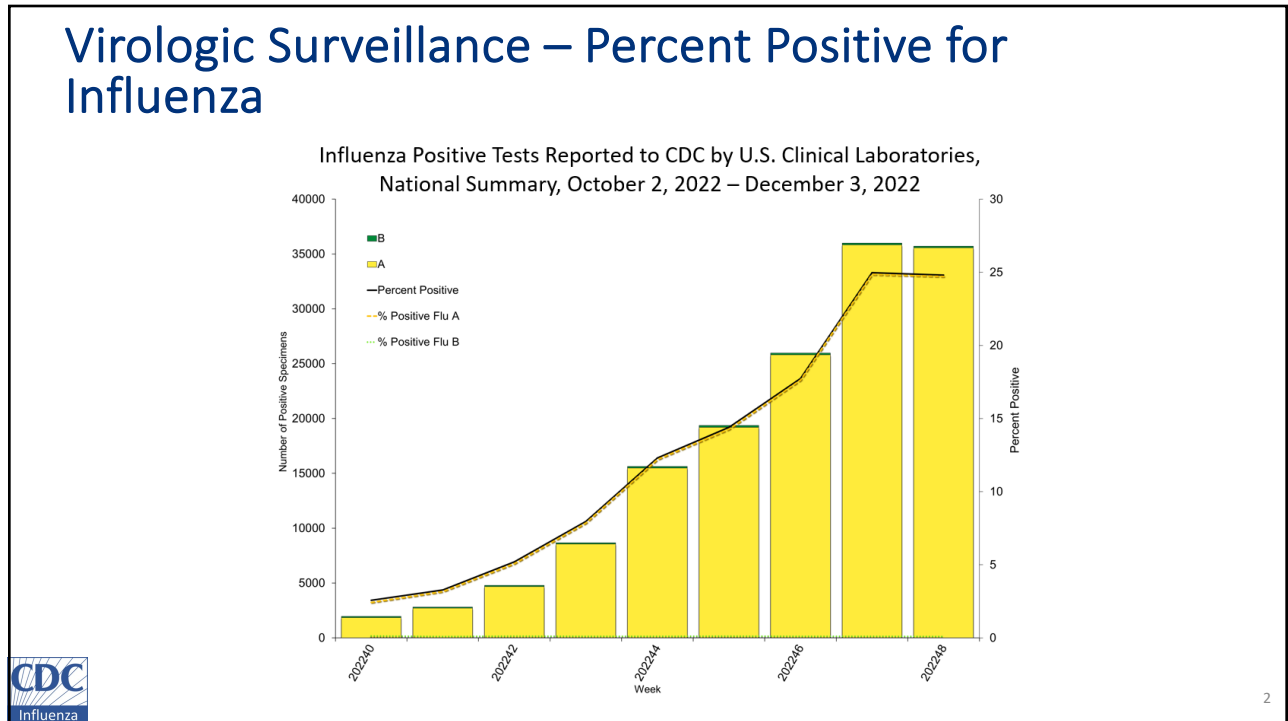
INFLUENZA ACTIVITY UPDATE: 2022-2023 Influenza Season

December 15, 2022

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Influenza Division, CDC



1



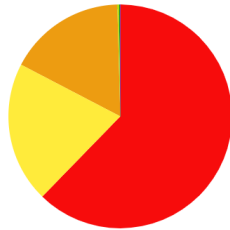
2

Virologic Surveillance – Virus Characteristics



Influenza Positive Tests Reported to CDC by Public Health Laboratories, National Summary, 2022-23 Season, week ending Dec 03, 2022
Reported by U.S. WHO/NREVISS Collaborating Laboratories and ILINet

- A (H1)
- A (Unable to Subtype)
- A (H3)
- A (H1N1)pdm09
- A (Subtyping not Performed)
- B (Lineage Unspecified)
- H3N2v
- B (Victoria Lineage)
- B (Yamagata Lineage)
- No Data/Small Data Sample



- 99.6% influenza A
 - 79% H3
 - 21% H1
- 0.4% influenza B
 - 100% Victoria lineage

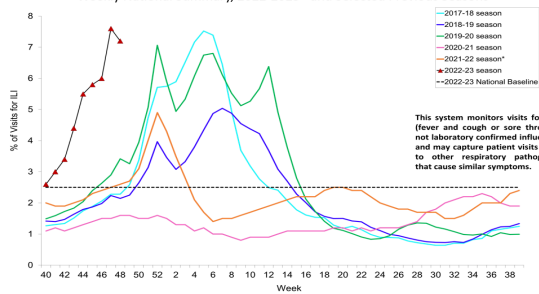
Viruses Collected in the U.S. since May 1, 2022

Virus	Genetic Characterization		Antigenic Characterization	
	Number Tested	Clade/Subclade	Number Tested	Similarity to vaccine reference virus
A/H1	171	3% - 6B.1A.5a.1	54	96% similar to cell-grown
		97% - 6B.1A.5a.2		96% similar to egg-grown
A/H3	704	99.9% - 3C.2a1b.2a.2	60	100% similar to cell-grown
		0.1% - 3C.2a1b.2a.1		97% similar to egg-grown
B/Victoria	12	100% - V1A.3	1	100% similar to cell-grown
				100% similar to egg-grown



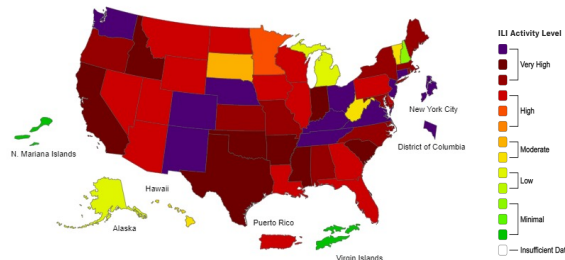
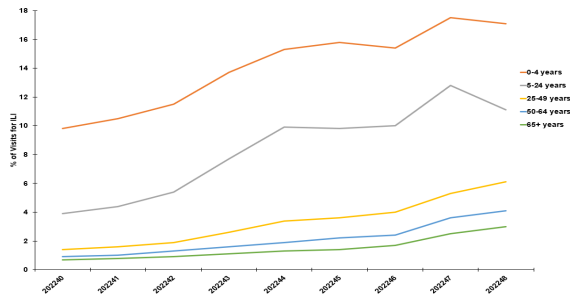
Outpatient Respiratory Illness

Percentage of Outpatient Visits for Respiratory Illness Reported by The U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2022-2023* and Selected Previous Seasons

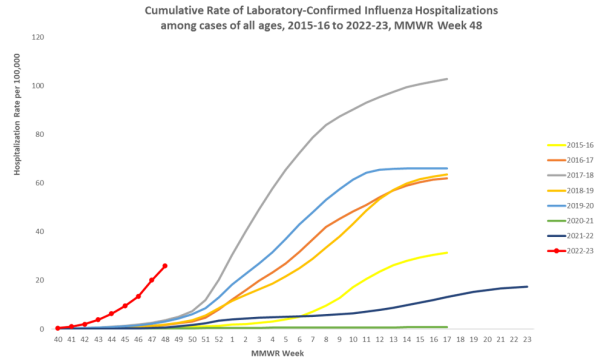
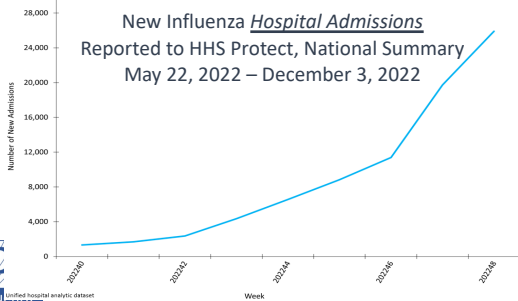
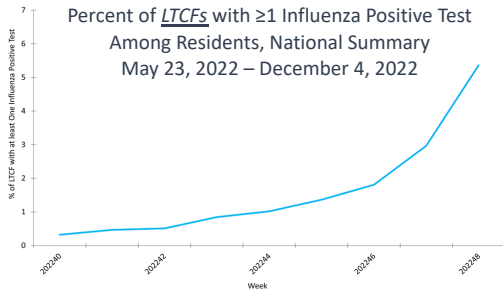


This system monitors visits for ILI (fever and cough or sore throat), not laboratory confirmed influenza and may capture patient visits due to other respiratory pathogens that cause similar symptoms.

Percentage of Outpatient Visits for Respiratory Illness by Age Group Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, October 2, 2022-December 3, 2022*



Long-term Care Facilities (LTCF) and Hospitals



*In this figure, weekly rates for all seasons prior to the 2022-23 season reflect end-of-season rates. For the 2022-23 season, rates for recent hospital admissions are subject to reporting delays. As hospitalization data are received each week, prior case counts and rates are updated accordingly.

Week 48
Rate per 100,000

- Prior 10 years, overall: 0.2 – 2.7
- 2022, overall: 26.0

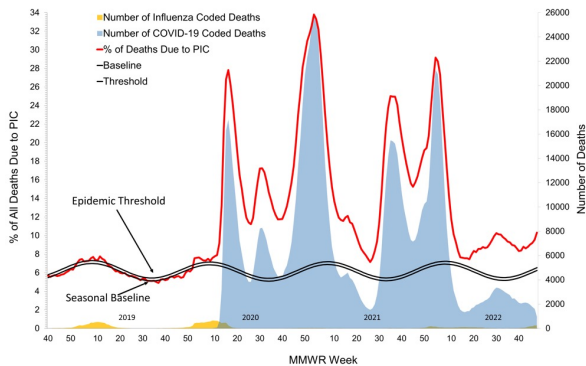


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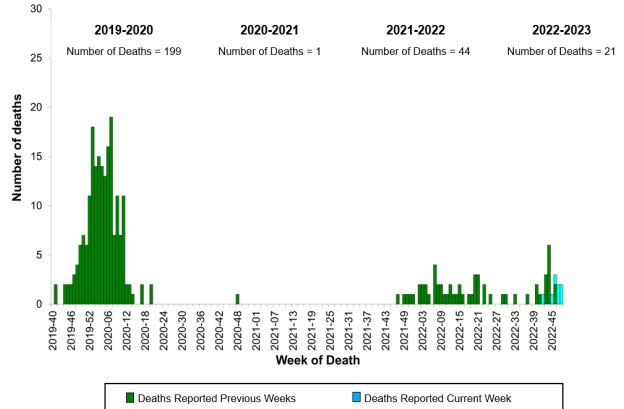
5

Mortality

Pneumonia, Influenza, and COVID-19 Mortality from the National Center for Health Statistics Mortality Surveillance System
Data as of December 8, 2022



Influenza-Associated Pediatric Deaths by Week of Death, 2019-2020 season to 2022-2023 season

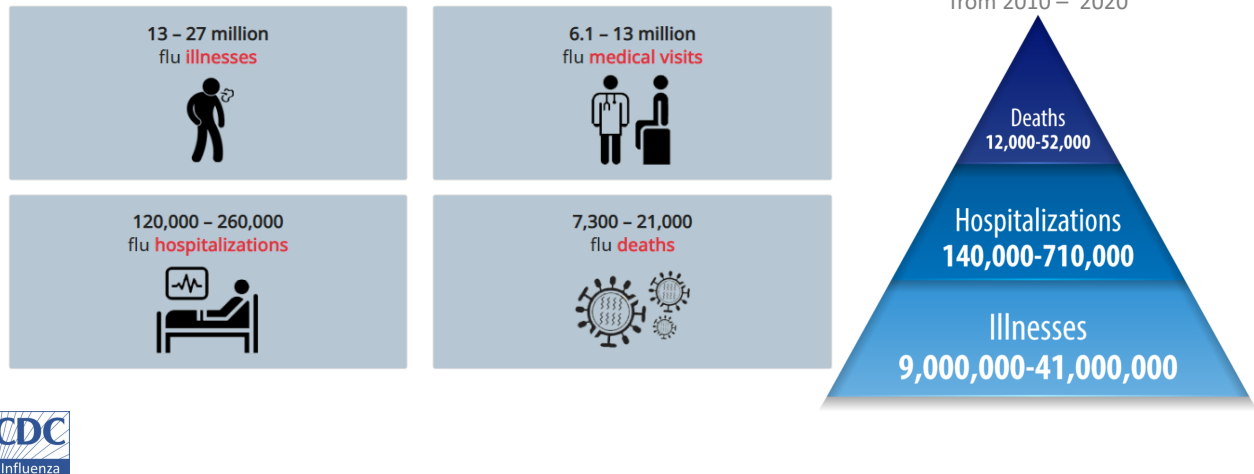


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6

Preliminary In-Season Burden Estimates, 2022-23

CDC estimates* that, from **October 1, 2022** through **December 3, 2022**, there have been:



7

Summary

- Influenza activity is elevated across the country.
- High levels of activity began earlier than “usual” but it’s too early to know how severe the influenza season will be.
- In the U.S. so far this season influenza has caused:
 - At least 13 million symptomatic illnesses
 - At least 6.1 million medical visits
 - At least 120,000 hospitalizations
 - At least 7,300 deaths
- Other respiratory viruses are at elevated levels at the same time.
- It’s still a great time to get vaccinated!

CDC
Influenza

8

Questions?
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For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

