

Denton County Public Health

2021 – 2022 Influenza Surveillance Program

CDC Week 8, Week Ending February 26, 2022



Epidemiologic Overview

Denton County

- Low influenza activity was reported in Denton County for week 8.
- 36 positive influenza tests (35 Flu A and 1 Flu B) and 3 hospitalizations were reported by Denton County sentinel providers for week 8.
- Syndromic surveillance for influenza-like illness (ILI) in Denton County increased for week 8 when compared to the previous week.
- 0 influenza-associated deaths have been reported in Denton County for the 2021-2022 season.

Texas

- Intensity of influenza-like illness in the state of Texas was minimal for week 8.
- The percentage of visits for ILI as reported by ILINet providers increased to 2.47% in week 8 compared to the previous week.
- The percentage of specimens testing positive for influenza by hospital laboratories in Texas increased to 13.68% in week 8 compared to the previous week.

US

- Sporadic influenza activity continues across the country. In some areas, influenza activity is increasing.
- The majority of influenza viruses detected are A(H3N2).
- The proportion of outpatient visits for influenza-like illness (ILI) was 1.5%, which is below the national baseline of 2.5%.
- The percentage of specimens testing positive in clinical labs for influenza in the US was 4.1% for Week 8.
- The proportion of deaths attributed to pneumonia, influenza, or COVID-19 (PIC) from the National Center for Health Statistics Mortality Surveillance System for week 8 was 16.7%. This percentage is **above** the epidemic threshold of 7.2% for week 8.

Figure 1. Influenza Surveillance Summary: Denton County Hospitals and Providers

Week Ending	01/22/22	01/29/22	02/05/22	02/12/22	02/19/22	02/26/22	10/24/21 - 02/26/22
CDC Week	3	4	5	6	7	8	
Influenza Tests Performed Weekly	396	269	195	212	216	272	6150
Total Positive Influenza Tests	13	11	26	18	28	36	394
Percent Positive Influenza Tests*	3.3%	4.1%	13.3%	8.5%	13.0%	13.2%	
Positive A Influenza	9	8	23	15	22	35	318
Positive B Influenza	4	3	3	3	6	1	76
Non-differentiated Influenza	0	0	0	0	0	0	0
Influenza Hospitalizations	2	1	8	4	1	3	43
Influenza-associated Pediatric Deaths	0	0	0	0	0	0	0
Influenza-associated Adult Deaths	0	0	0	0	0	0	0

* Percent positive tests only includes positive tests from providers reporting number of tests performed weekly

Figure 2. Influenza Positive Tests and Percent Positive, Denton County Hospitals and Providers, 2021-2022 Season

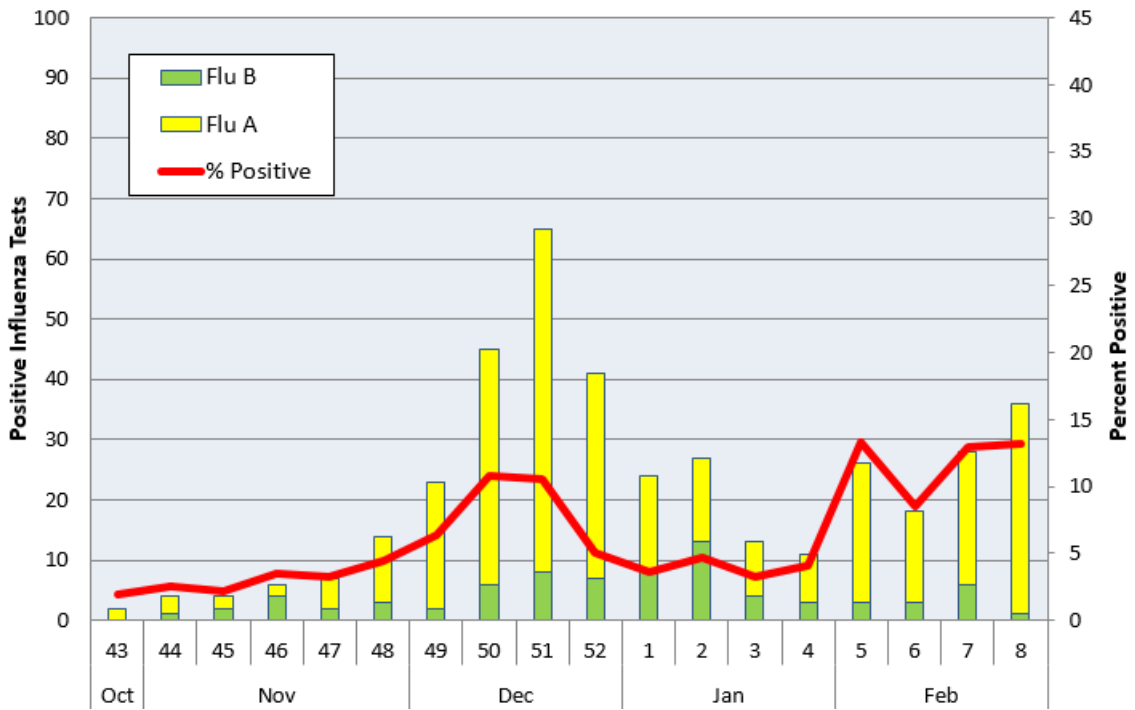


Figure 3. Seasonal Comparison of Influenza Percent Positive, Denton County, 2019 – 2022

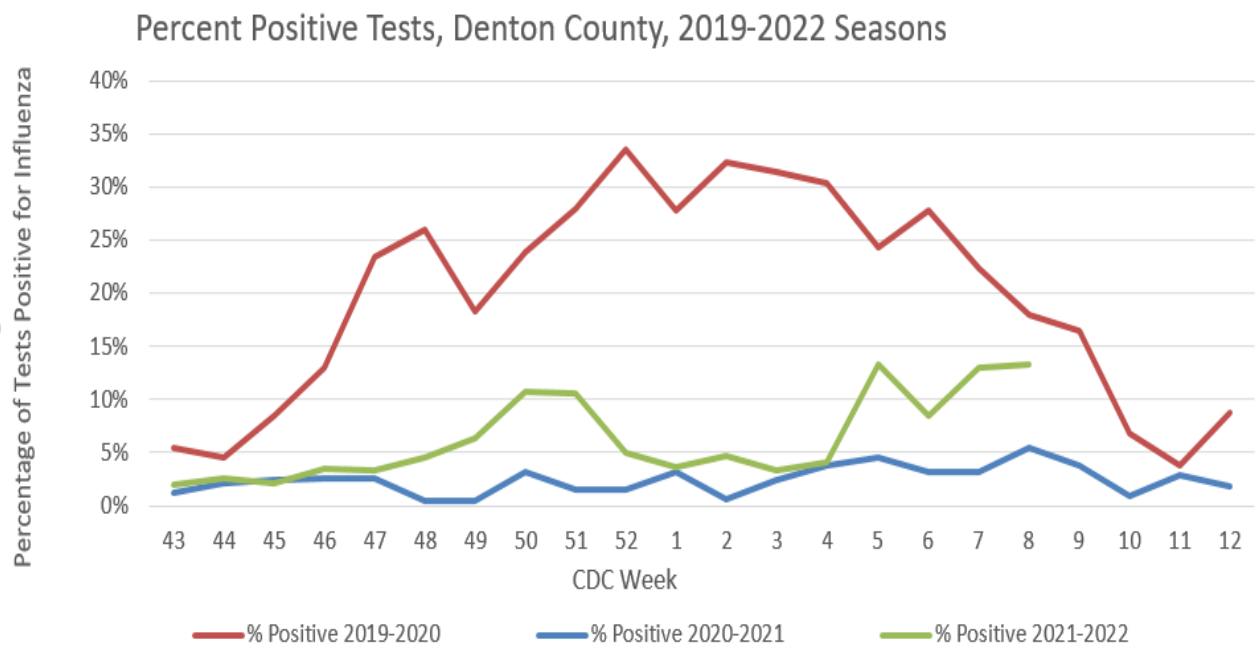
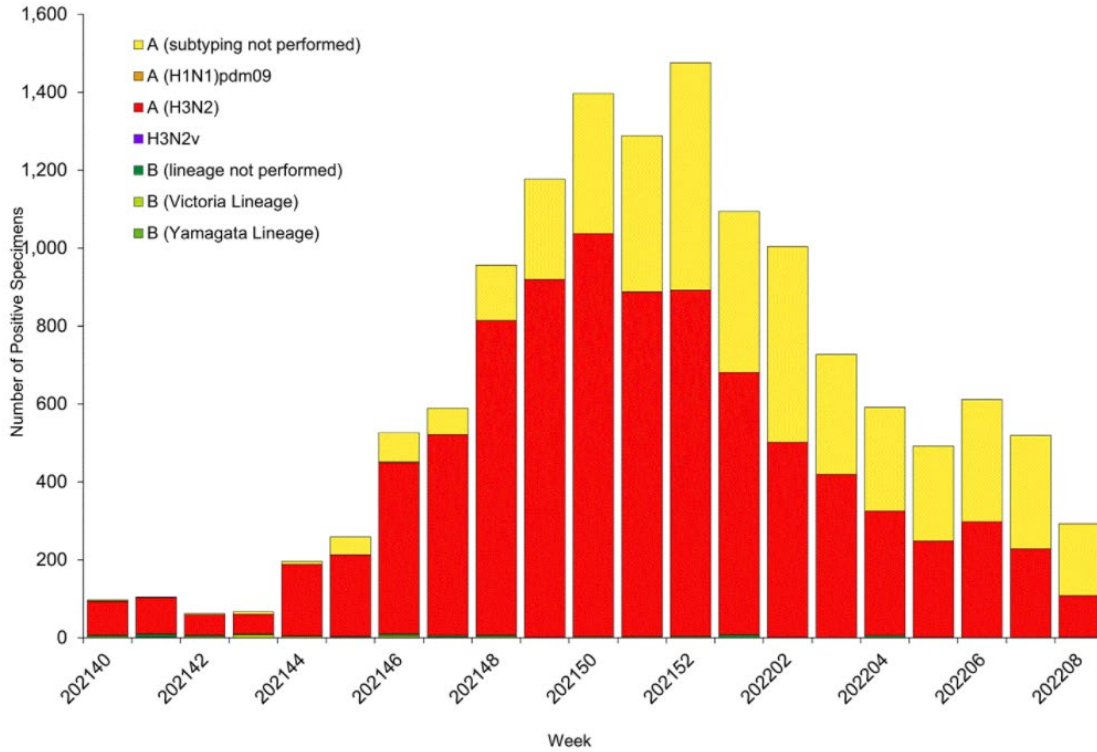
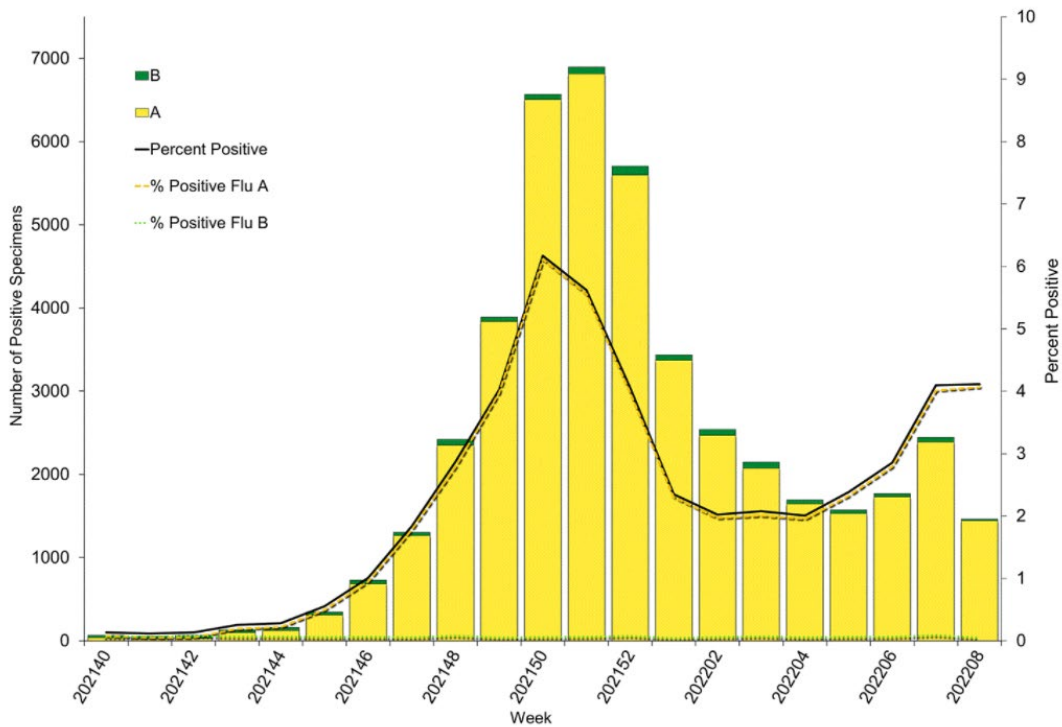


Figure 4. Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, October 3, 2021- February 26, 2022



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

Figure 5. Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, October 3, 2021- February 26, 2022



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

Figure 6. 2021-2022 Influenza Vaccine Composition, Northern Hemisphere:

Egg-based vaccine composition recommendations:

- an A/Victoria/2570/2019 (H1N1) pdm09-like virus;
- an A/Cambodia/e0826360/2020 (H3N2)-like virus;
- a B/Washington/02/2019- like virus (B/Victoria lineage);
- a B/Phuket/3073/2013-like virus (B/Yamagata lineage).

Cell- or recombinant-based vaccine composition recommendations:

- an A/Wisconsin/588/2019 (H1N1) pdm09-like virus;
- an A/Cambodia/e0826360/2020 (H3N2)-like virus;
- a B/Washington/02/2019- like virus (B/Victoria lineage);
- a B/Phuket/3073/2013-like virus (B/Yamagata lineage).

Figure 7. U.S. Virologic Surveillance, Week 8

	Week 8	Data Cumulative since October 3, 2021 (Week 40)
No. of specimens tested	35,541	1,690,086
No. of positive specimens (%)	1,462 (4.1%)	45,388 (2.7%)
<i>Positive specimens by type</i>		
Influenza A	1,445 (98.8%)	44,338 (97.7%)
Influenza B	17 (1.2%)	1,050 (2.3%)

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

Figure 8. ESSENCE Syndromic Surveillance for Influenza-like Illness: Denton County, August 01, 2021- February 26, 2022

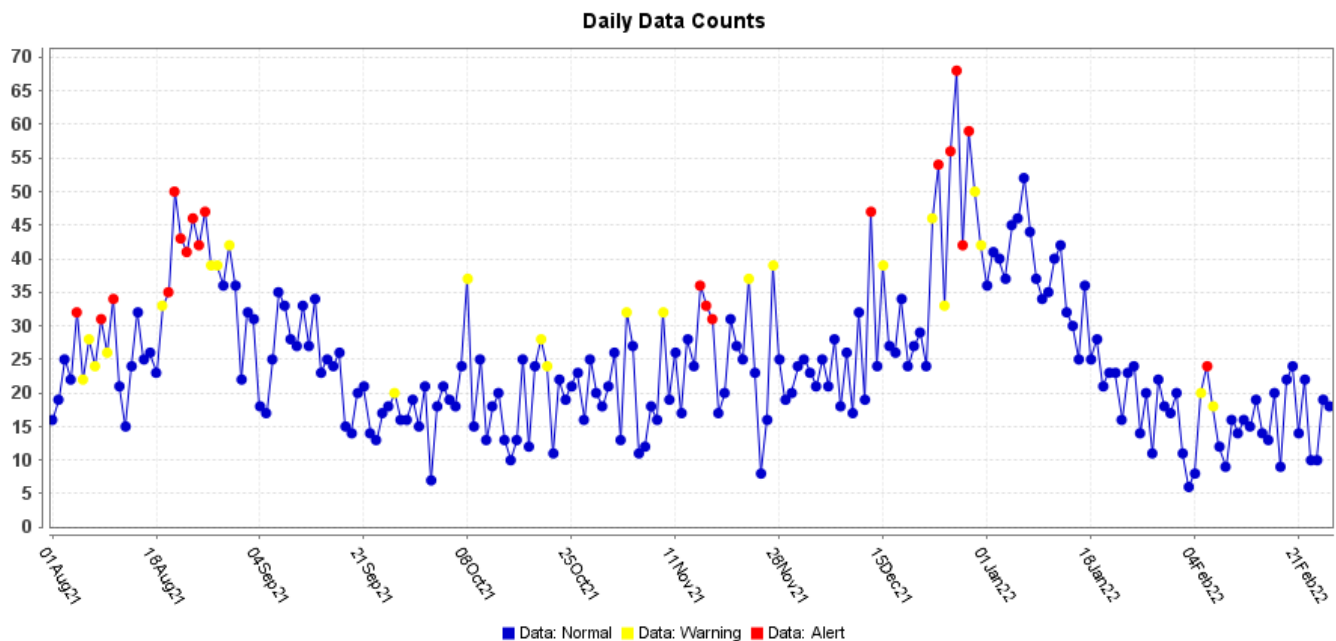


Figure 9. ESSENCE Syndromic Surveillance for Influenza-like Illness: Denton County, October 01, 2020 – February 26, 2022

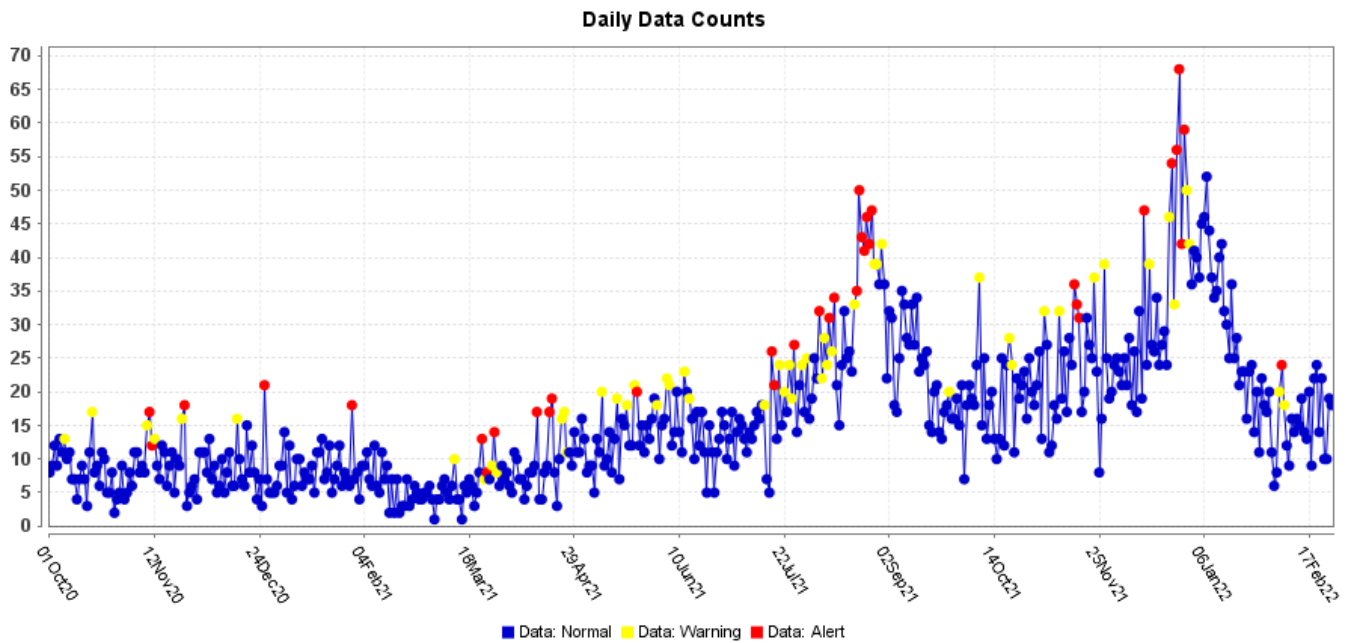


Figure 10. Pneumonia and Influenza Mortality from the National Center for Health Statistics Mortality Surveillance System: Data as of March 3, 2022

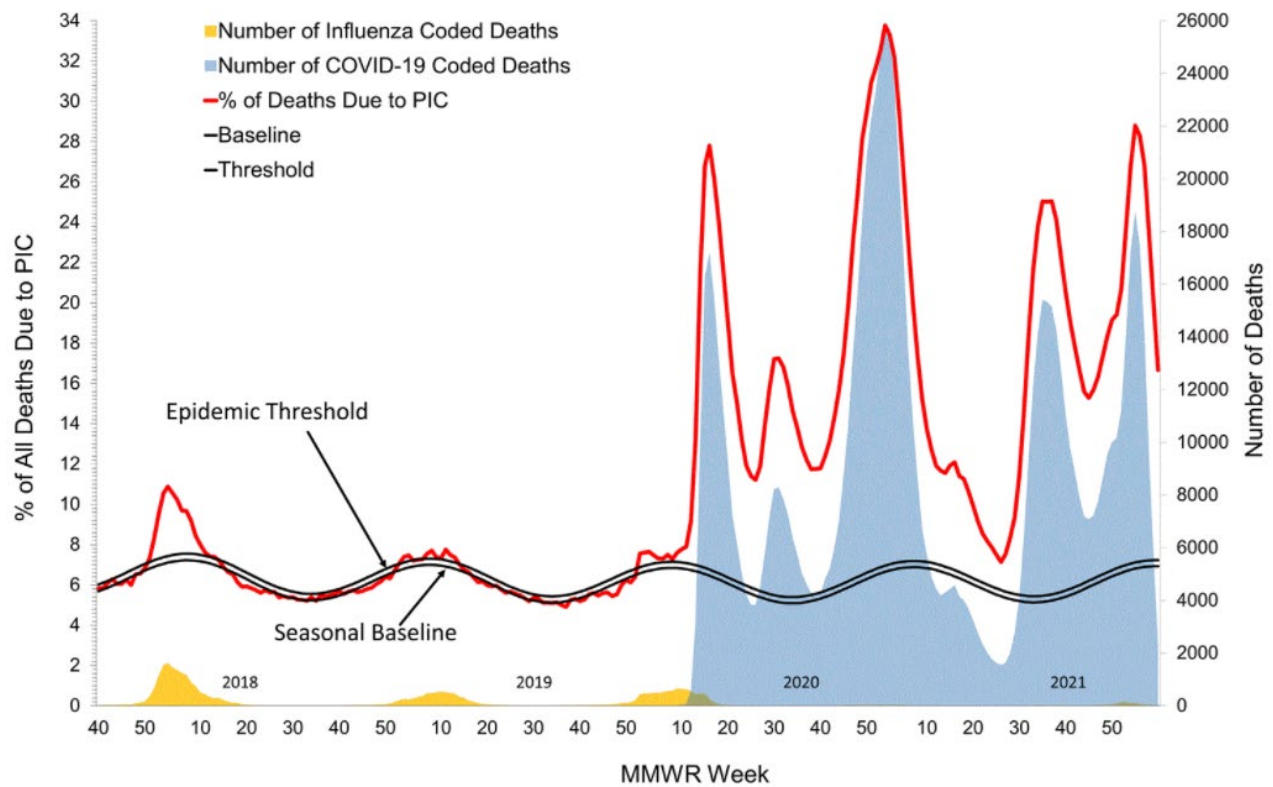


Figure 11. 2021-22 Influenza Season Week 8 ending February 26, 2022

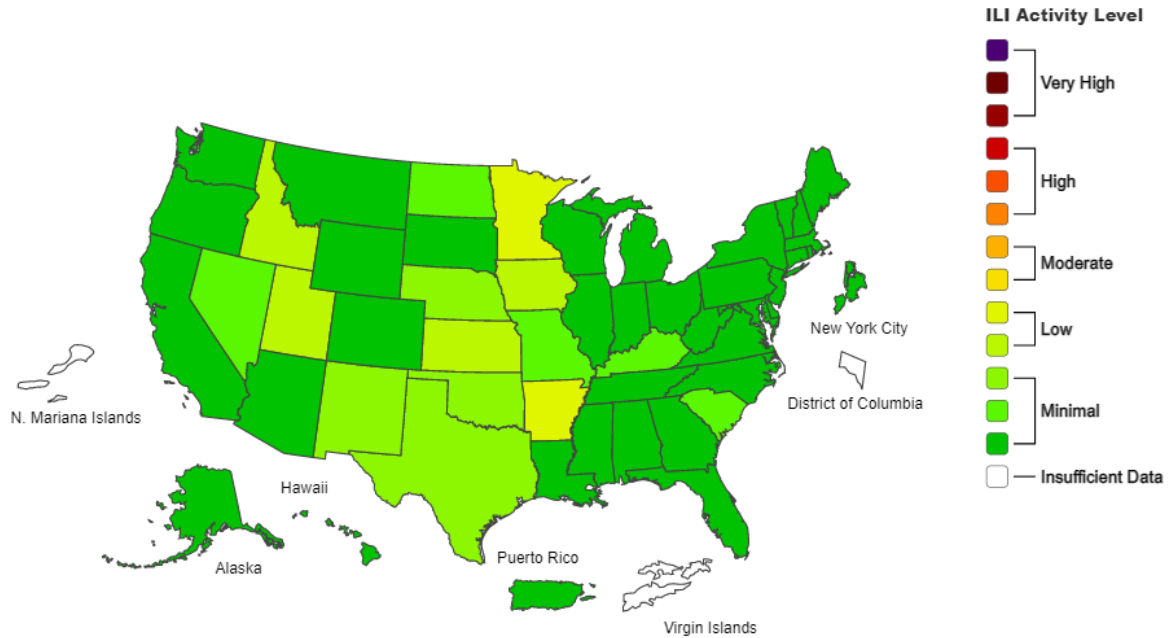
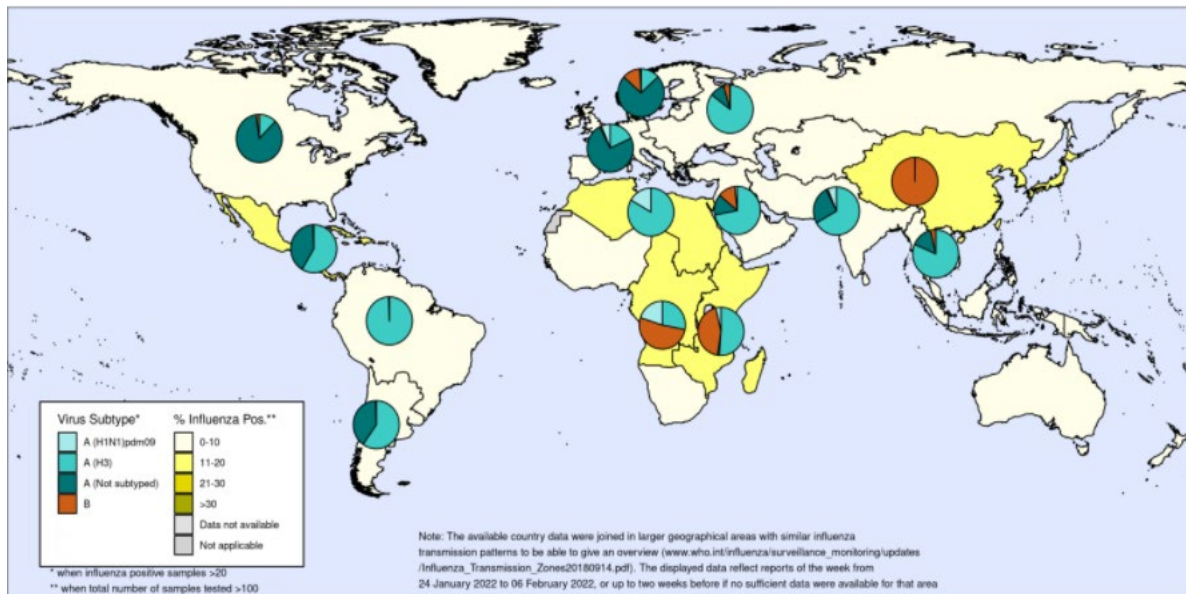


Figure 12. Percentage of Respiratory Specimens that tested Positive for Influenza: WHO, Status as of February 18, 2022



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Data source: Global Influenza Surveillance and Response System (GISRS), FluNet (www.who.int/fluNet)
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