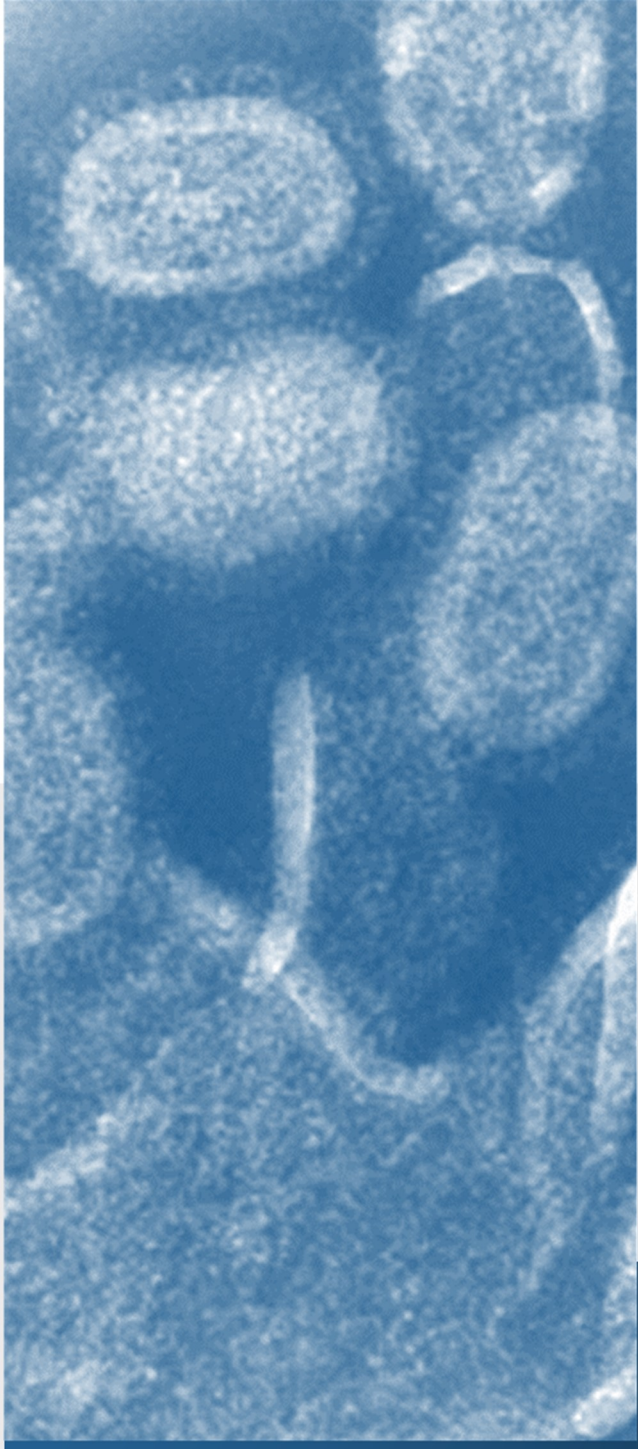
Weekly Influenza

SURVEILLANCE REPORT



Disease Week 44 Highlights
10/30/2022 - 11/5/2022

- Influenza activity in Long Beach is low but has started to increase drastically in the last two weeks. Similar trends were reported by the state and nationwide.
- Respiratory syncytial virus (RSV) activity is higher than usual for this time of year, with 83% of cases being reported among children aged four or younger this season (2022-2023).
- Twenty-three percent of Influenza-like Illness (ILI) emergency department visits were among children (0-4 years).
- So far in the season, the majority of Influenza cases (99%) in Long Beach are Influenza A.
- Most influenza cases have been in the 5-17 age range (48.6%), followed by the 18-64 age range (35.6%).

City of Long Beach
Department of Health and Human Services
Epidemiology Program

2022–2023

**This report was revised in February 2023.*

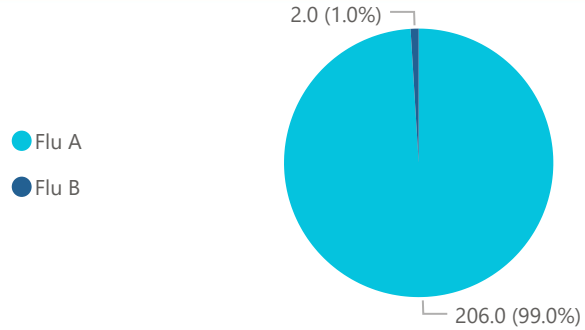
INFLUENZA WEEKLY REPORT

Prepared by the Department of Health and Human Services

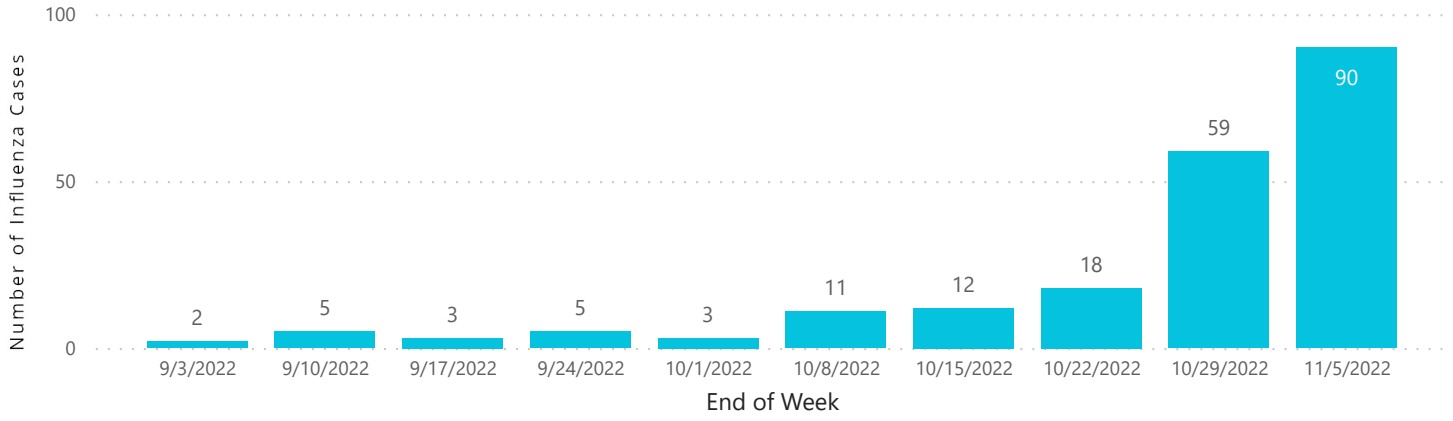
TOTAL INFLUENZA CASES[1]	INFLUENZA OUTBREAKS[2]
208	0

INFLUENZA DEATHS[3]	POSITIVITY RATE[4]
0	27.3%

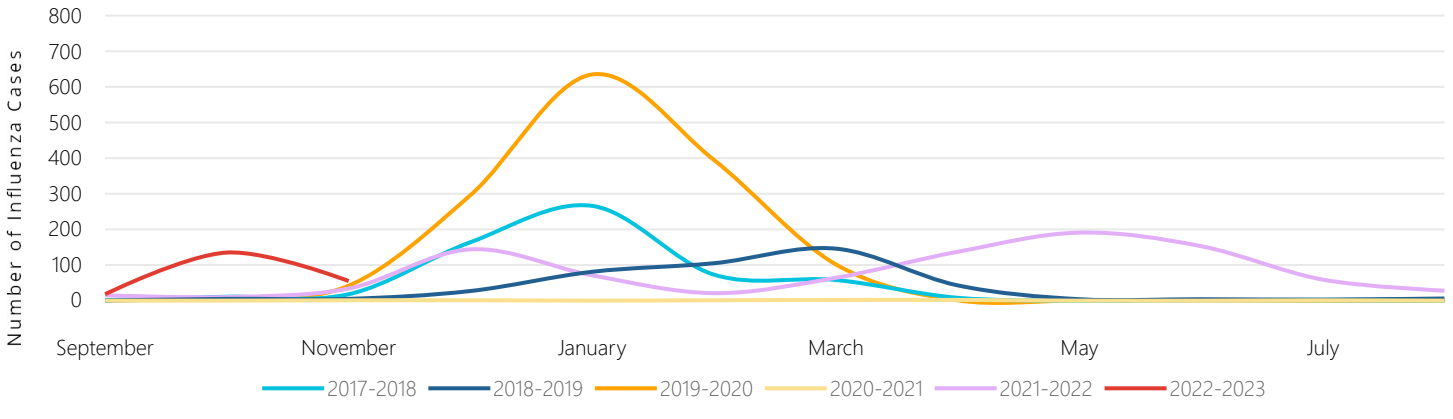
CASES BY INFLUENZA TYPE, 2022-2023



INFLUENZA CASE COUNT BY MMWR WEEK, 2022-2023



INFLUENZA CASES BY SEASON, 2017 – 2023



1. Total case counts are based on those reported to public health, the true number of influenza cases are under reported.
2. Outbreaks are defined as at least one case of laboratory confirmed influenza and at least two residents with onset of influenza-like-illness (ILI) within 72 hours. If an outbreak is in the community setting (i.e. school or daycare), outbreak is defined as 5 or more cases of ILI within a group within 72 hours.
3. Number of deaths is based on influenza-coded deaths from death certificates. They are not necessarily laboratory-confirmed and may be an underestimate of all influenza-associated deaths..
4. The 7-day positivity rate was calculated by dividing the number of reported positive influenza ELR by the total number of reported results for influenza in the past seven days.

INFLUENZA WEEKLY REPORT

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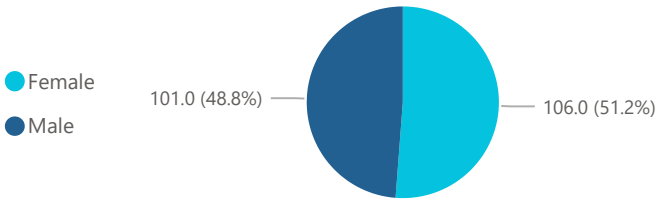
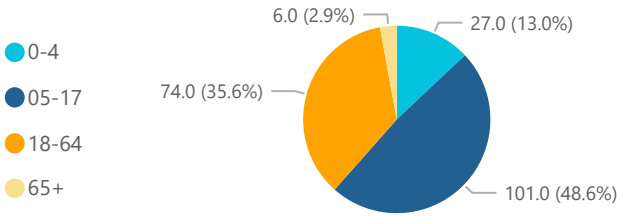
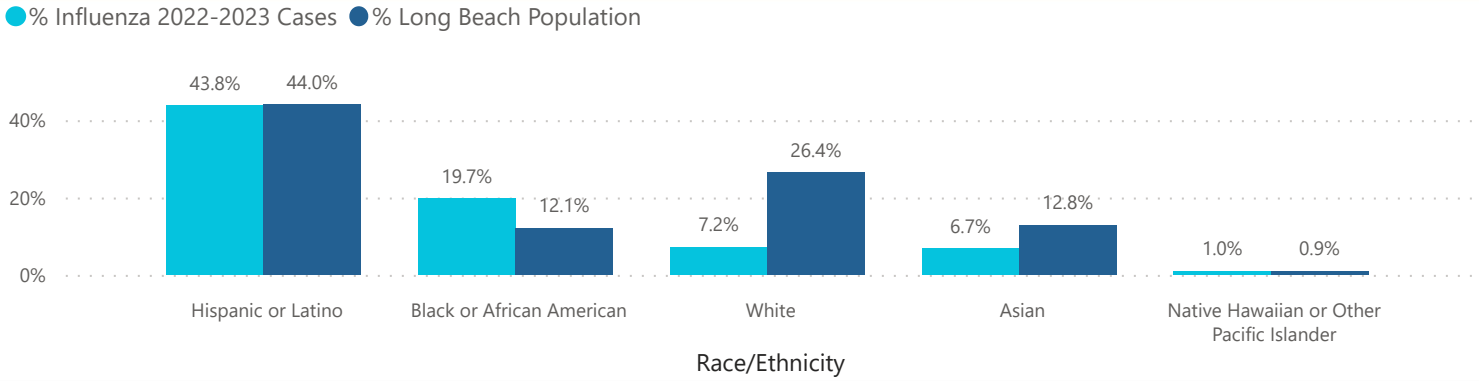
INFLUENZA BY GENDER, 22-23



INFLUENZA BY AGE, 22-23

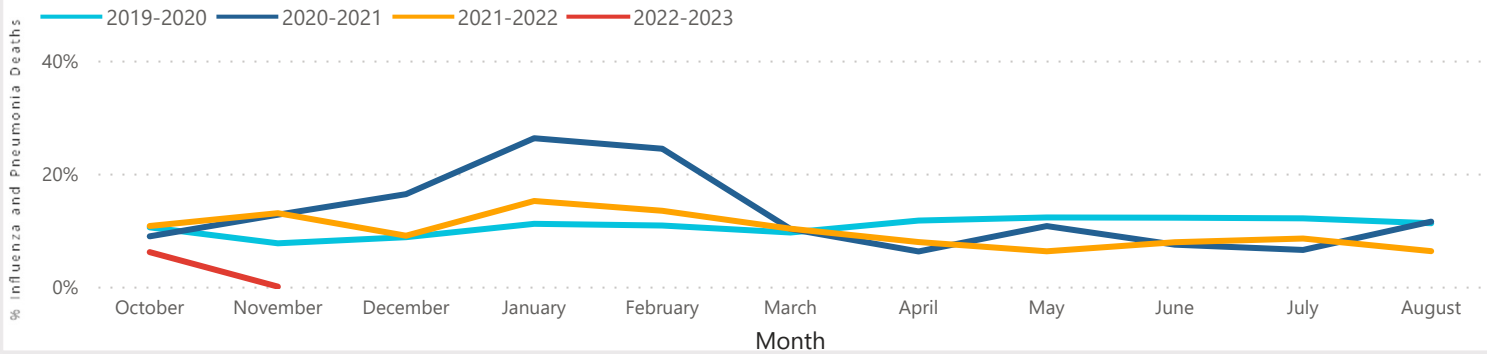


INFLUENZA BY RACE/ETHNICITY, 2022-2023



SEASON	INFLUENZA AND PNEUMONIA[5]		
	INFLUENZA DEATHS	PNEUMONIA DEATHS	% INFLUENZA & PNEUMONIA DEATHS
2019-2020	11	369	11.0%
2020-2021	0	589	14.7%
2021-2022	1	344	9.8%
2022-2023	0	13	6.0%

INFLUENZA AND PNEUMONIA DEATHS BY SEASON



5. The number of influenza and pneumonia related deaths is based on causes of death listed on the death certificates. Deaths are not necessarily lab confirmed influenza or pneumonia.

INFLUENZA WEEKLY REPORT

Prepared by the Department of Health and Human Services

INFLUENZA-LIKE ILLNESS ED ENCOUNTERS

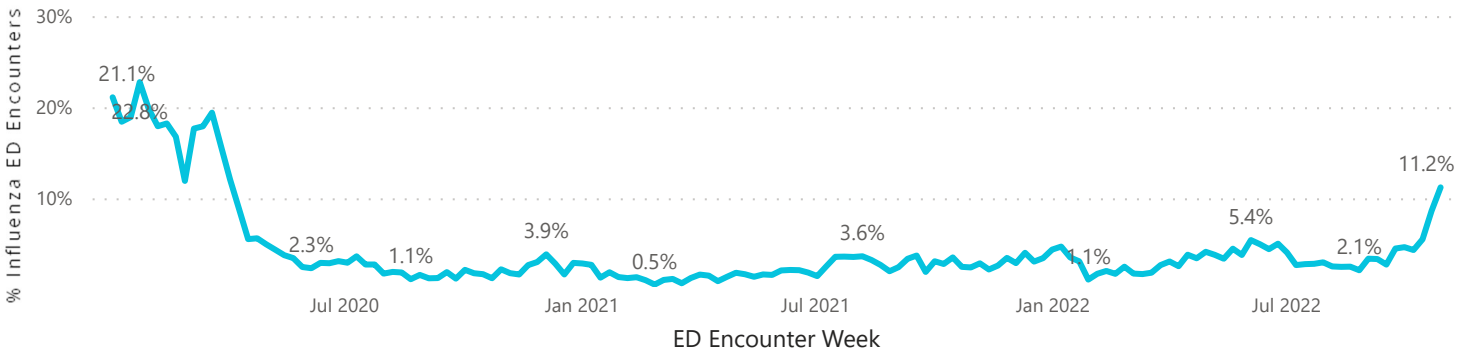
Influenza-like Illness (ILI) emergency department (ED) encounters are based on syndromic surveillance data from one syndromic-participating hospital in Long Beach. Syndromic surveillance is a population-based symptom monitoring system that uses hospital-based data. This report presents ILI ED encounters from 2020 through the current influenza season (2022-2023). ILI was defined as emergency department encounters with a chief complaint mentioning influenza or fever and cough or fever and sore throat.

Please note that syndromic keywords and codes specific to ILI are broad enough to include other respiratory conditions including COVID-19. Syndromic surveillance data will have a 1- week lag due to the current data transfer from the county.

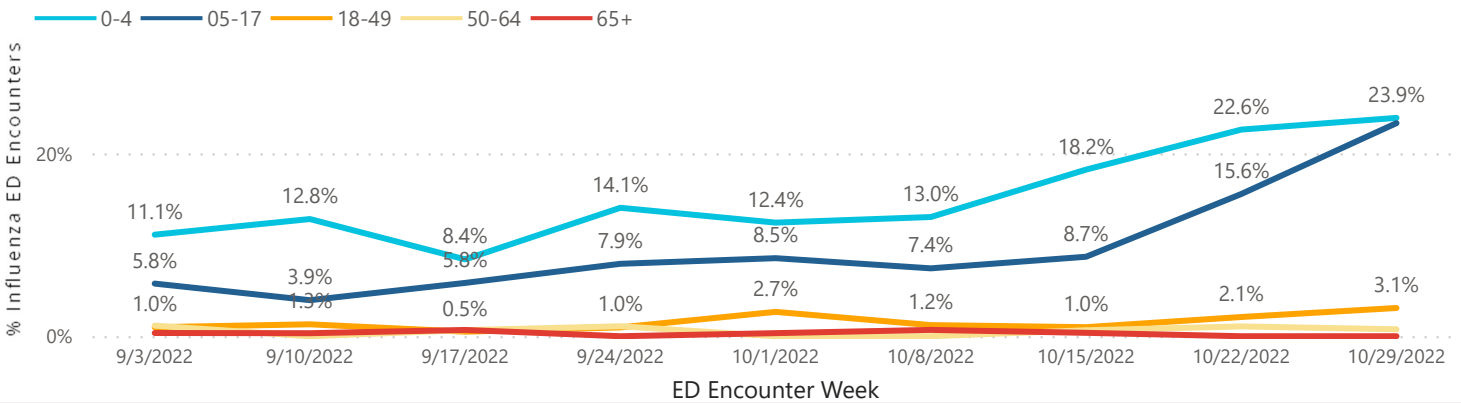
INFLUENZA-LIKE ILLNESS ED ENCOUNTERS, WEEK 43

2020-2021	2021-2022	2022-2023
1.2%	2.4%	11.2%

INFLUENZA-LIKE ILLNESS ED ENCOUNTERS, 2020 – 2023



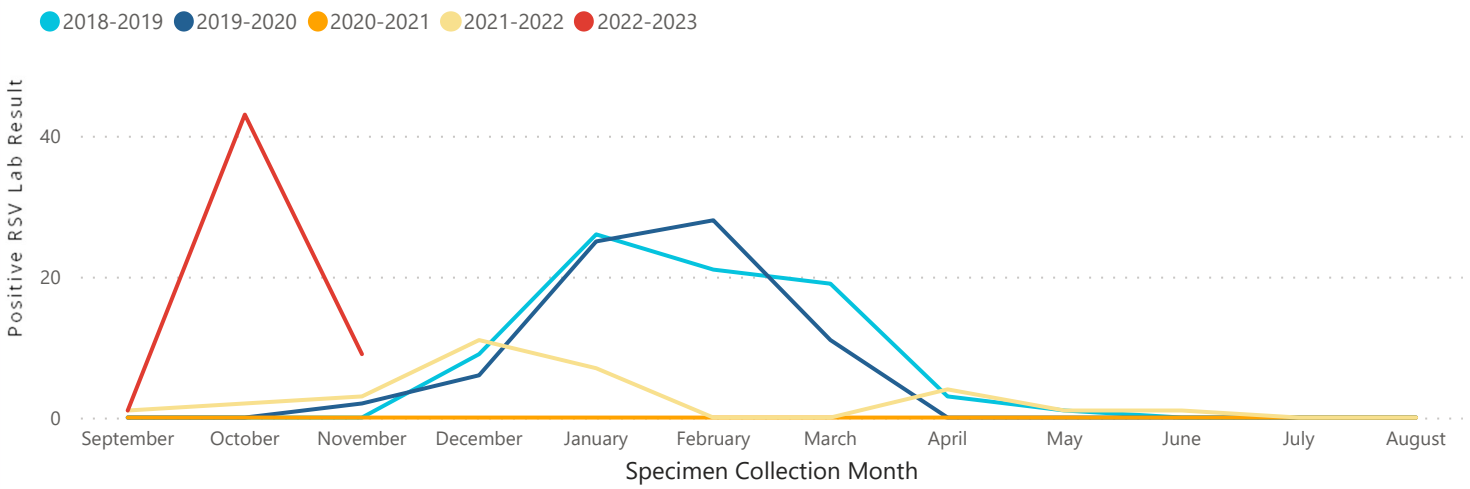
INFLUENZA-LIKE ILLNESS ED ENCOUNTERS BY AGE, 2022 – 2023



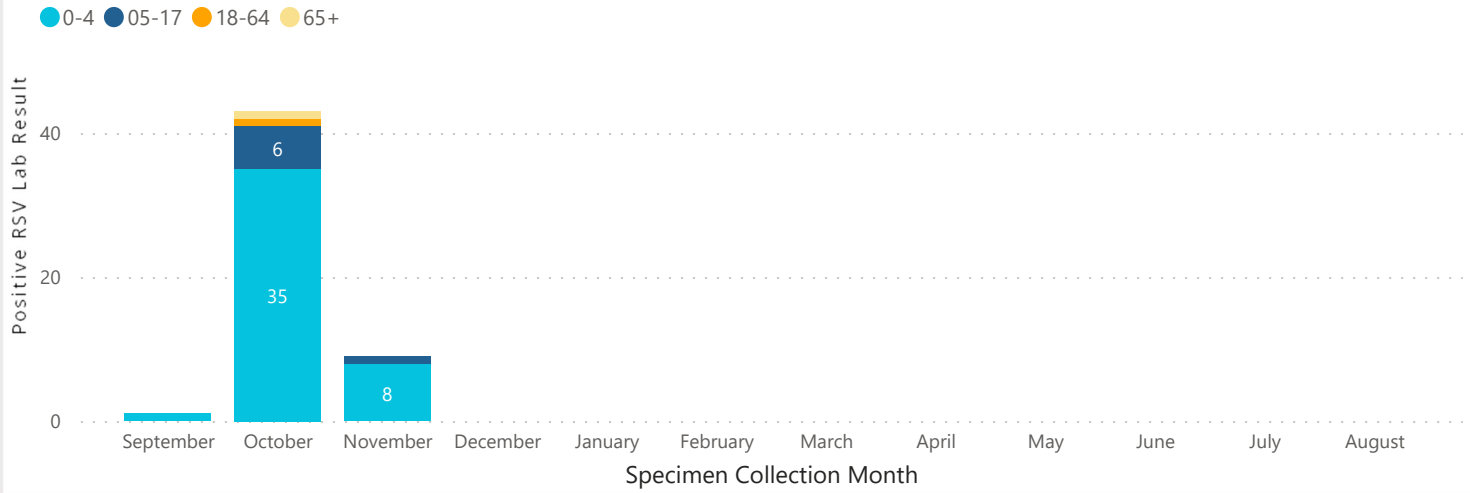
INFLUENZA WEEKLY REPORT

Prepared by the Department of Health and Human Services

RESPIRATORY SYNCYTIAL VIRUS (RSV) BY SEASON, 2018-2022



RSV BY AGE, 2022-2023



RSV BY AGE AND SEASON

Age	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
0-4	68%	86%	0%	70%	83%
05-17	0%	3%	0%	3%	13%
18-64	14%	3%	0%	13%	2%
65+	18%	8%	0%	13%	2%