



## Weekly Influenza

# SURVEILLANCE REPORT

### Disease Week 45 Highlights

11/6/2022 - 11/12/2022

- Since last week, 195 new influenza cases were reported in Long Beach
- In Week 44, California reached moderate-level influenza activity with high activity in the Lower Southern Region compared to low level activity last week.
- The CDC reported that the most frequently reported virus during week 44 was influenza A (H3N2).
- Most influenza cases in Long Beach have been among the Hispanic or Latinx population at 43.7% followed by the Black or African American population at 19.1%, and among children 5 to 17 years.
- There was an 11.6% increase in Influenza-like illness ED encounters when comparing Week 44 of last season (2021 to 2022) to the current season (2.9% versus 14.5%).

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

*\*This report was revised in February 2023.*

**2022-2023**

# INFLUENZA WEEKLY REPORT



Prepared by the Department of Health and Human Services

## OVERVIEW

**Total Cases**

**403**

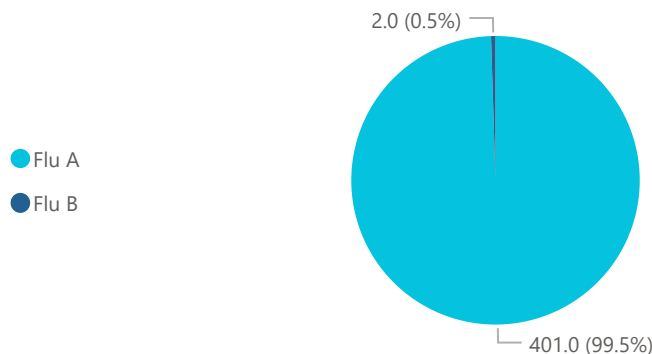
**Outbreaks<sup>2</sup>**

**0**

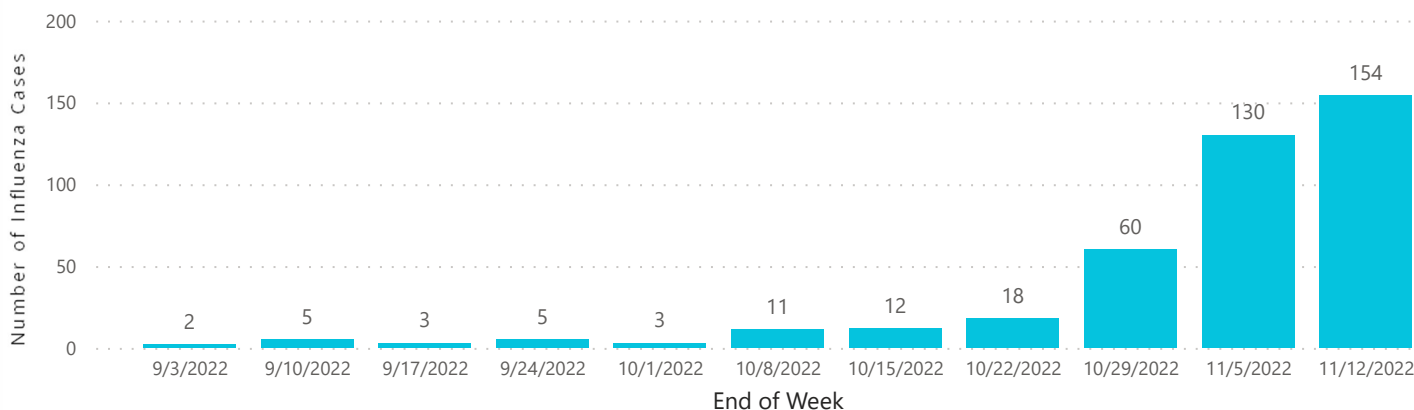
**Deaths<sup>3</sup>**

**0**

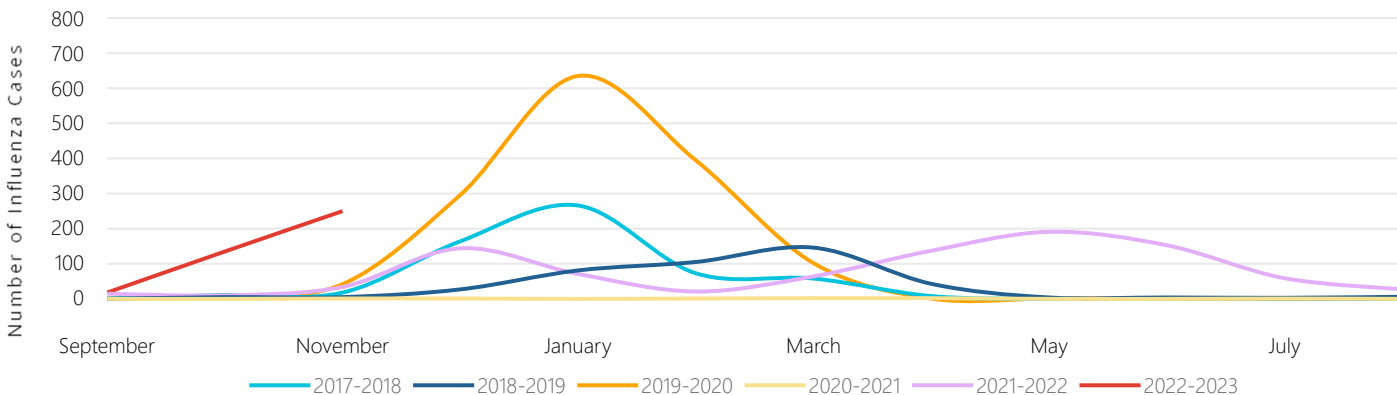
## CASES BY INFLUENZA TYPE, 2022-2023



## INFLUENZA CASE COUNT BY MMWR WEEK, 2022-2023



## INFLUENZA CASES BY SEASON, 2017 - 2023



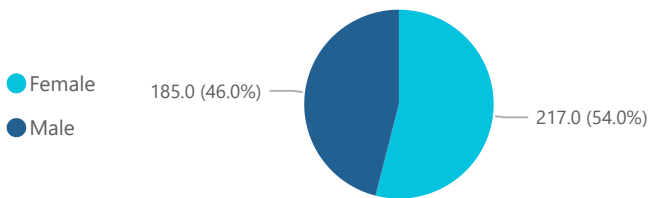
1. Total case counts are based on those reported to public health, the true number of influenza cases are under reported.  
 2. Outbreaks are defined as at least one case of laboratory confirmed influenza and at least two residents with onset of influenza-like-illness (ILI) within 72 hours. If an outbreak 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.

# INFLUENZA WEEKLY REPORT

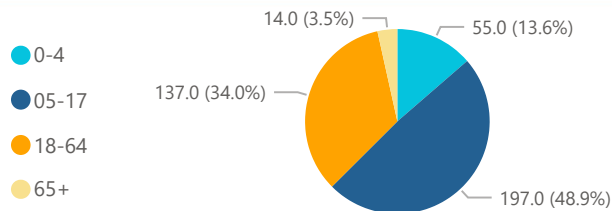


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## INFLUENZA BY GENDER, 22-23

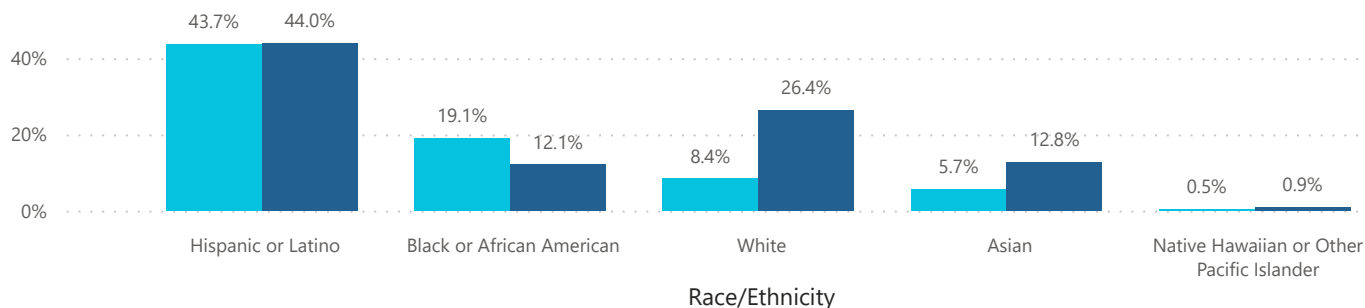


## INFLUENZA BY AGE, 22-23



## INFLUENZA BY RACE/ETHNICITY, 2022-2023

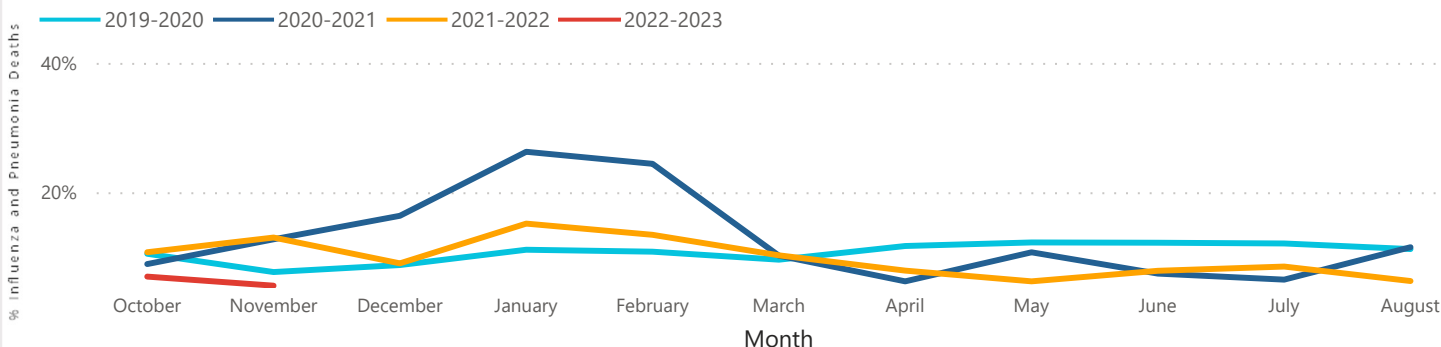
● % 2022-2023 Cases ● % Long Beach Population



## INFLUENZA AND PNEUMONIA<sup>5</sup>

SEASON	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	17	6.8%

## INFLUENZA AND PNEUMONIA DEATHS BY SEASON



<sup>5</sup> 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



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## 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 44

2020-2021

2021-2022

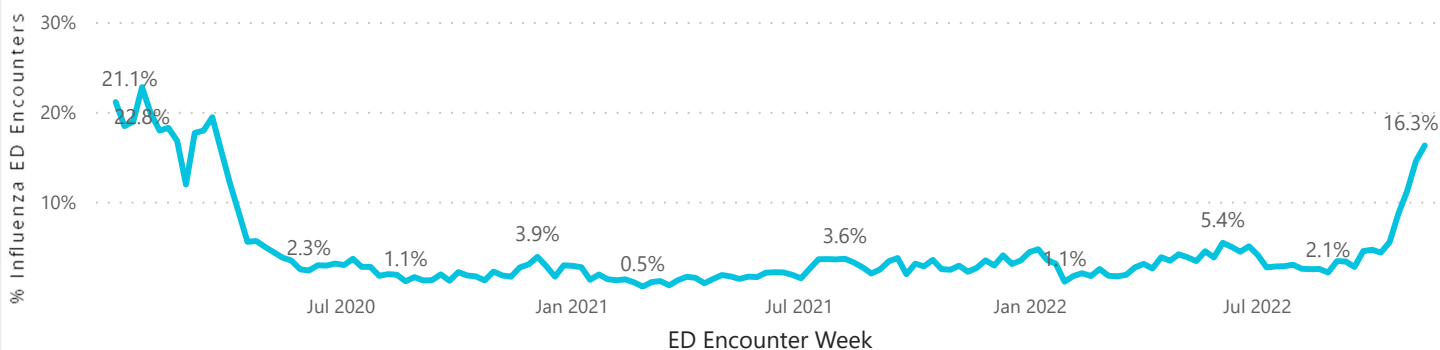
2022-2023

2.2%

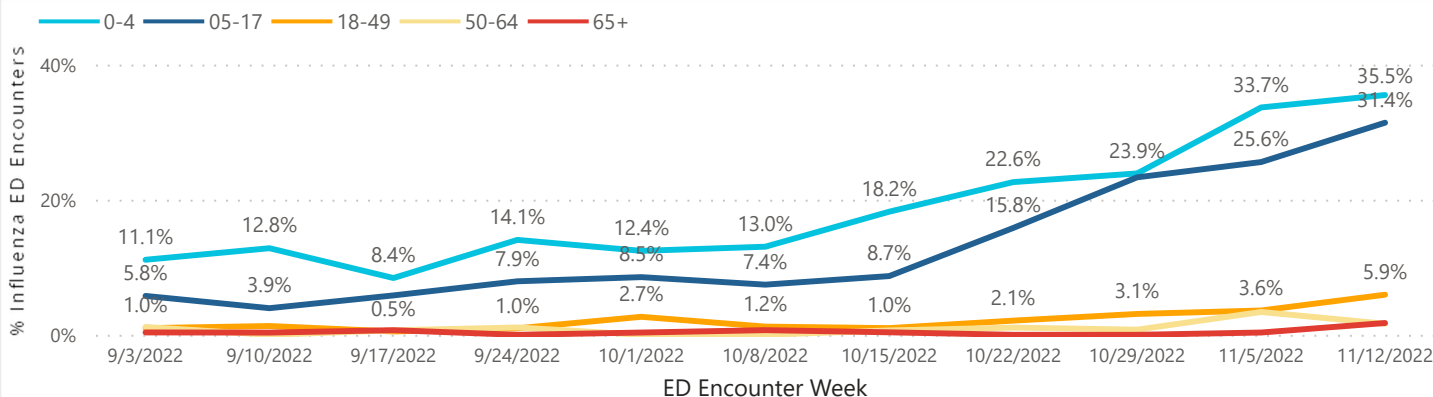
2.9%

14.5%

## INFLUENZA-LIKE ILLNESS ED ENCOUNTERS, 2020 - 2023



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

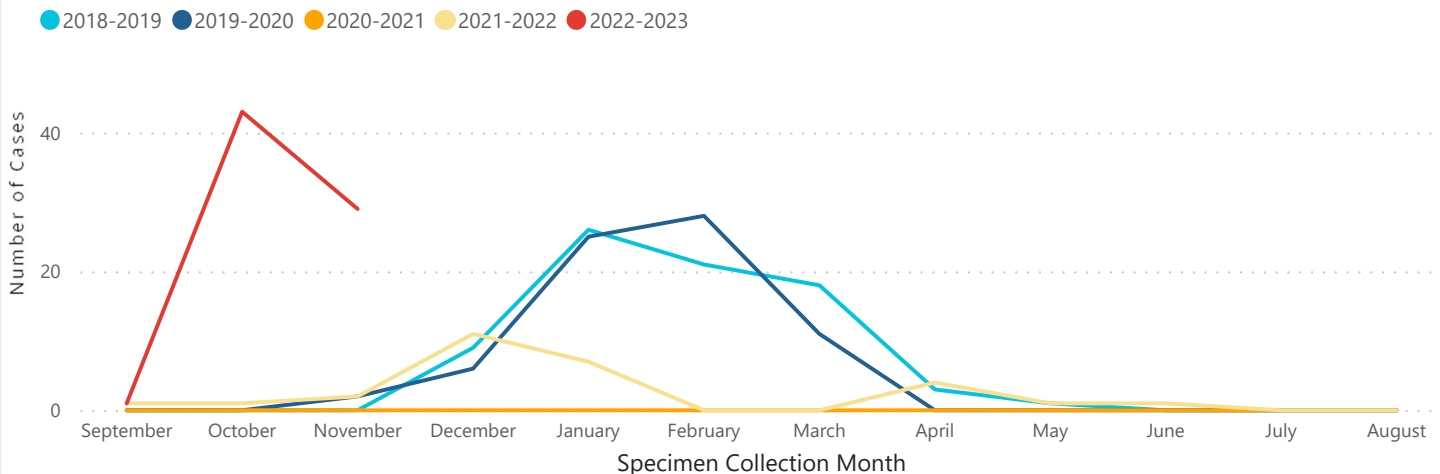


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## RESPIRATORY SYNCYTIAL VIRUS (RSV) BY SEASON, 2018-2022



## 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%	68%	86%
05-17	0%	3%	0%	4%	10%
18-64	14%	3%	0%	14%	1%
65+	18%	8%	0%	14%	3%