



# Weekly Influenza **SURVEILLANCE REPORT**

## **Disease Week 15 Highlights**

**4/9/2023-4/15/2023**

### *Influenza Cases*

- During Week 15, new influenza cases decreased from 5 cases the previous week to 3 cases this week, bringing the total number of influenza cases to 2,677 for the 2022-2023 season so far.
- The percentage of ED encounters for influenza-like illness continues to fluctuate into Week 15 of the season with a slight decrease from Week 13 (7.3%) to Week 14 (6.3%).
- No new influenza outbreaks or deaths were reported during Week 15.

### *Influenza Vaccinations*

- More than 200 Long Beach residents were vaccinated against influenza during Week 15, bringing the total number of flu-vaccinated Long Beach residents to almost 127,500 for the 2022-2023 season so far.

### *Respiratory syncytial virus (RSV)*

- For the second consecutive week, there were no new RSV cases. The total number of reported RSV cases remains at 146 for the 2022-2023 season. There were no RSV-related pediatrics deaths during the 2022-2023 season.

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

**2022-2023**

# INFLUENZA WEEKLY REPORT



Prepared by the Department of Health and Human Services

## OVERVIEW

**Total Cases<sup>1</sup>**

**2,677**

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

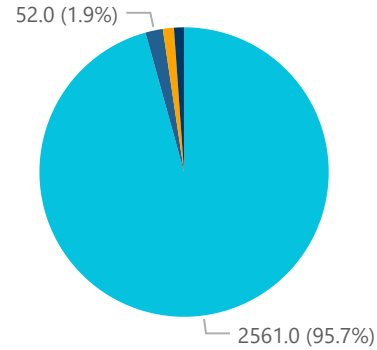
**5**

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

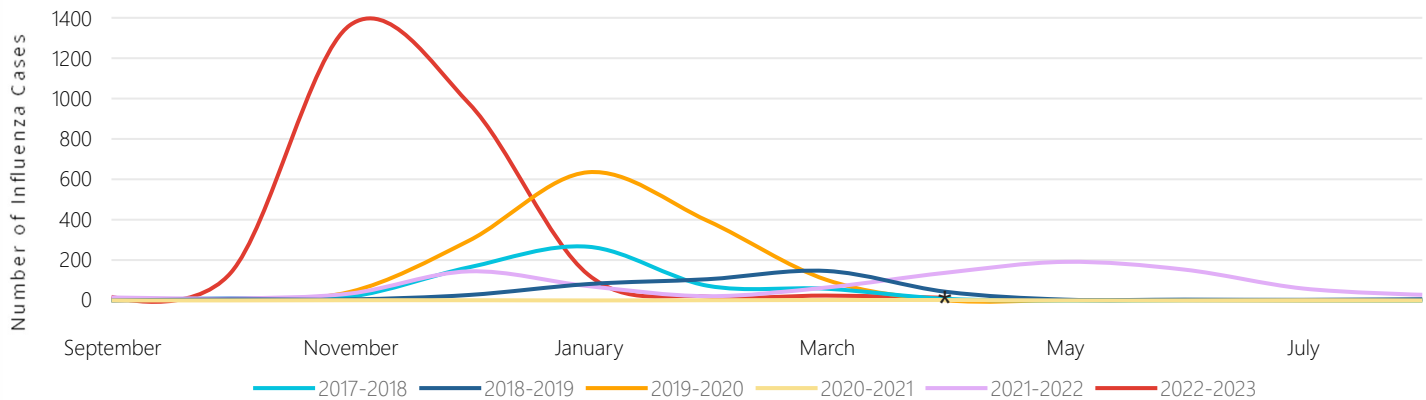
**10**

## CASES BY INFLUENZA TYPE, 2022-2023

- Flu A
- Flu A,H3
- Flu B
- Flu, Unspecified

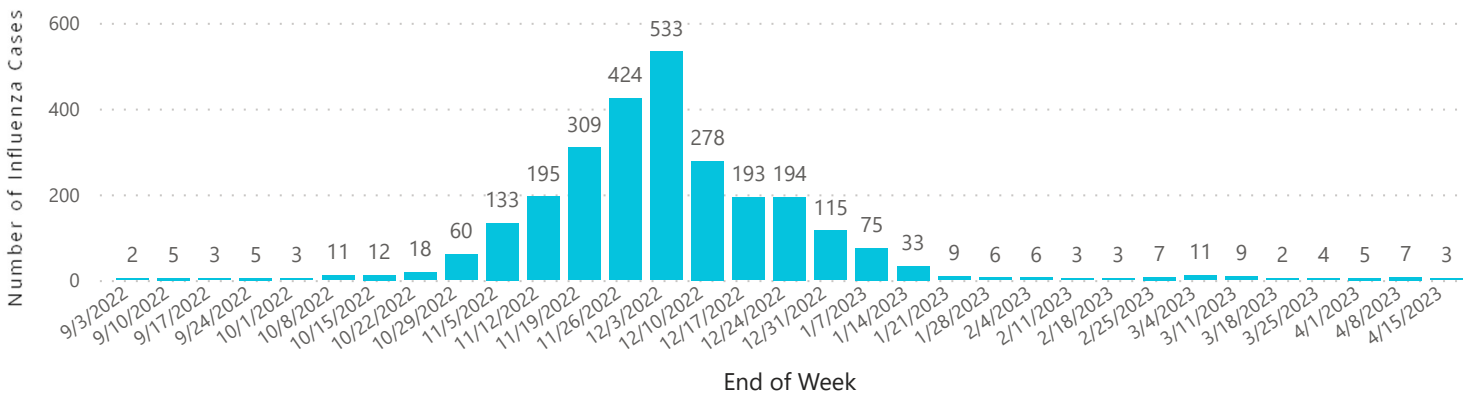


## INFLUENZA CASES BY SEASON, 2017 - 2023



\*Data for the current month is not complete.

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



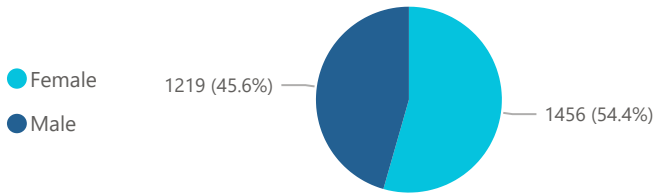
1. Total case counts are based on those reported to public health, the true number of influenza cases are under reported.
2. Outbreaks are defined as at least one case of laboratory confirmed influenza and at least two residents with onset of influenza-like-illness (ILI) within 72 hours. If an outbreak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

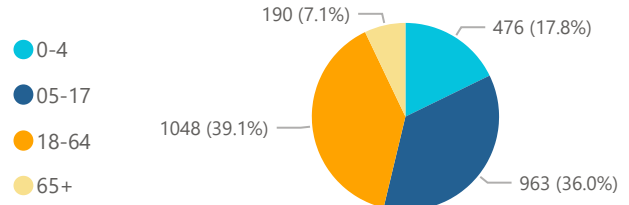


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## INFLUENZA BY GENDER, 22-23

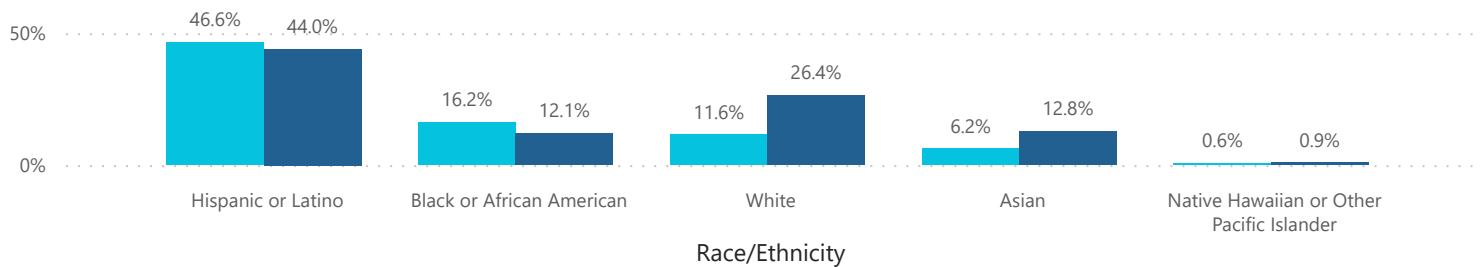


## INFLUENZA BY AGE, 22-23



## INFLUENZA BY RACE/ETHNICITY, 2022-2023

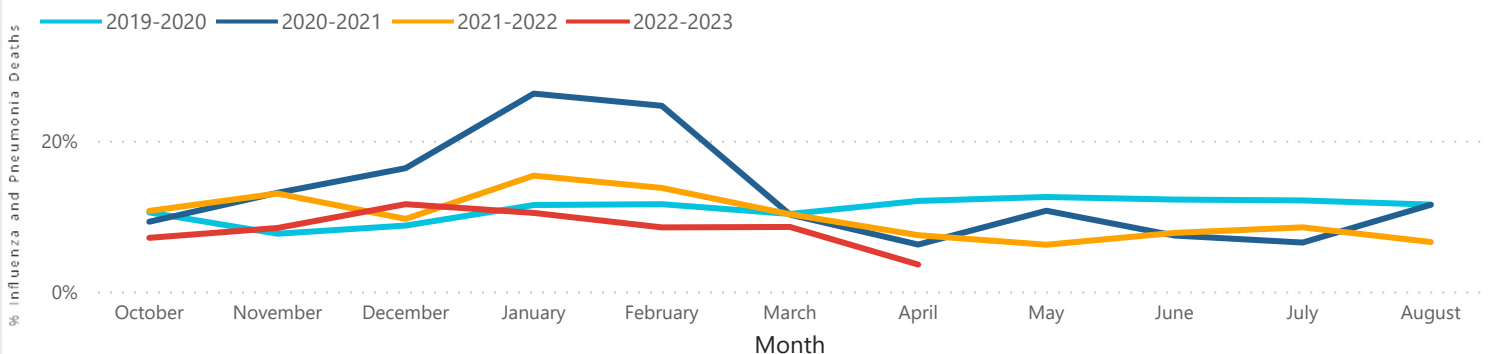
● % 2022-2023 Cases ● % Long Beach Population



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

Season	Influenza Deaths	Pneumonia Deaths	% Influenza & Pneumonia Deaths
2019 - 2020	11	369	11.0%
2020 - 2021	0	594	14.9%
2021 - 2022	1	348	9.9%
2022 - 2023	10	152	9.2%

## 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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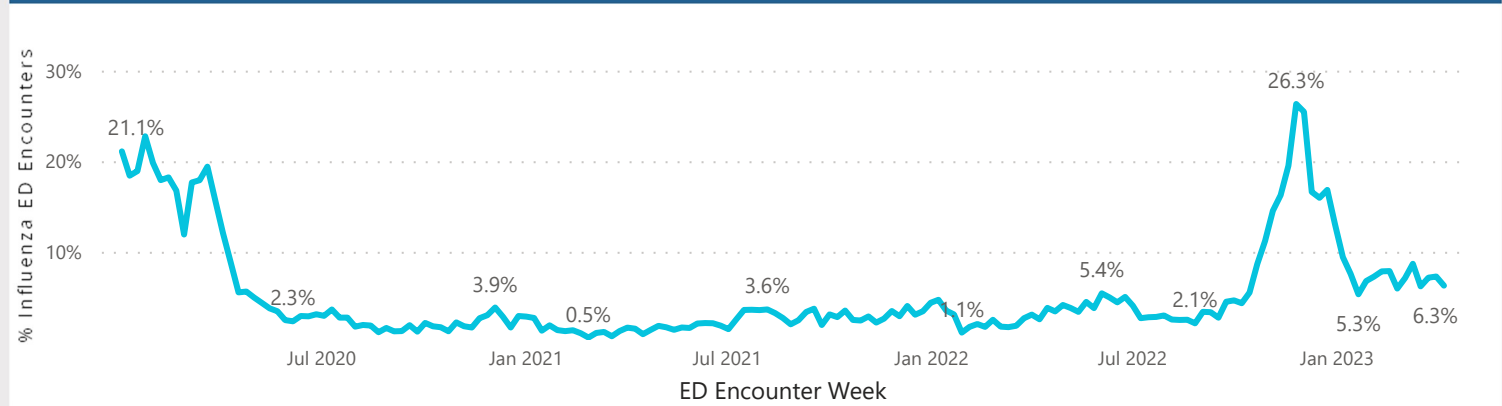
## Influenza-Like Illness ED Encounters

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.

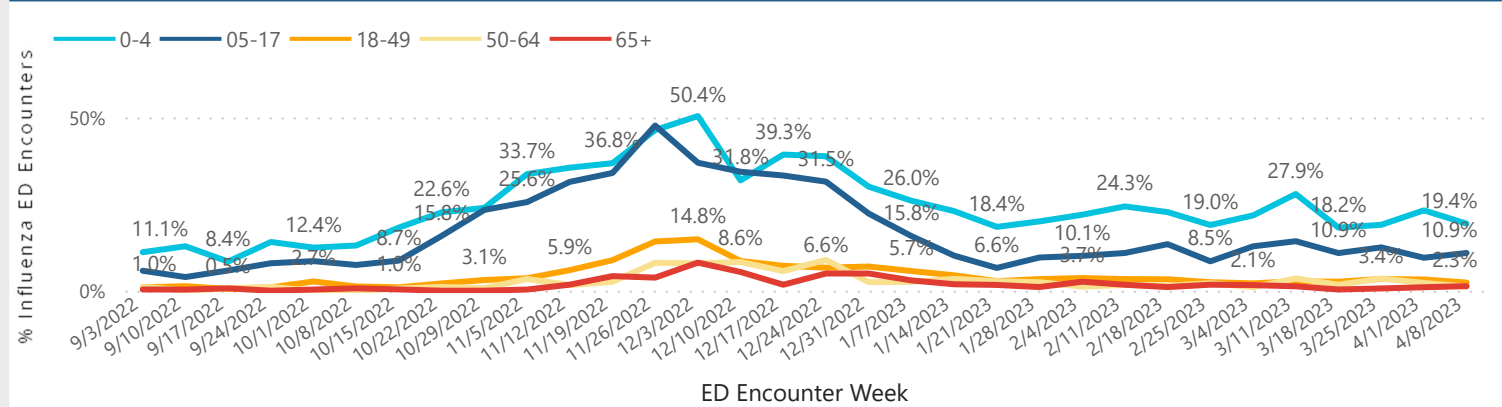
Please note that syndromic keywords and codes specific to ILI are broad enough to include other respiratory conditions including COVID-19. Syndromic surveillance data will have a 1- week lag due to the current data transfer from the county.

INFLUENZA-LIKE ILLNESS ED ENCOUNTERS, WEEK 14		
2020-2021	2021-2022	2022-2023
1.5%	2.6%	6.3%

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



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



# INFLUENZA WEEKLY REPORT

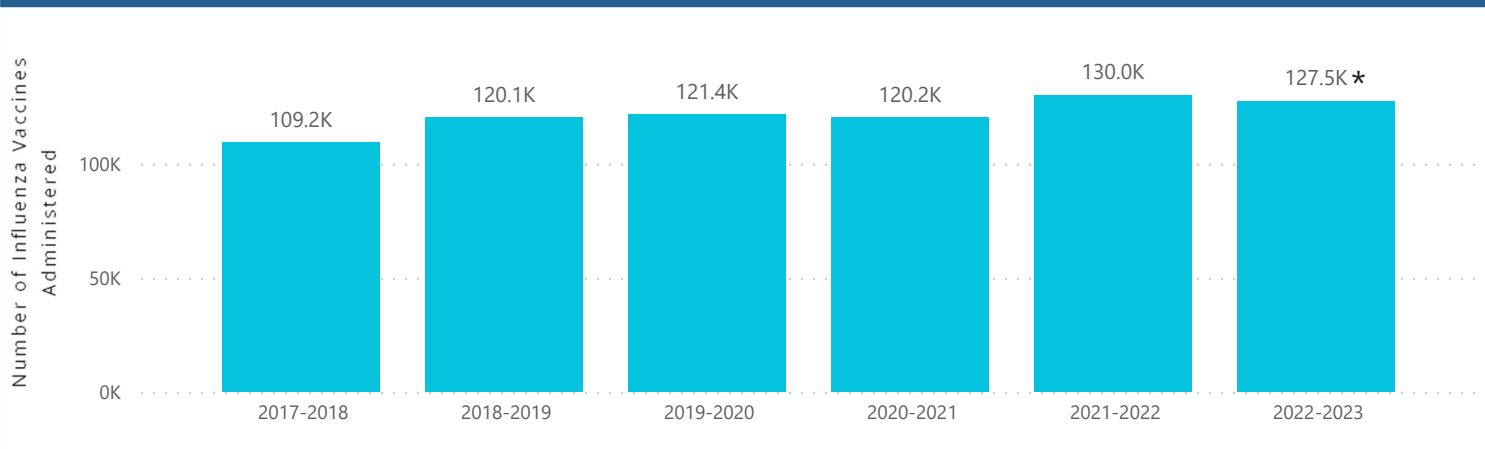


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## 2022-2023 INFLUENZA VACCINATION BY AGE

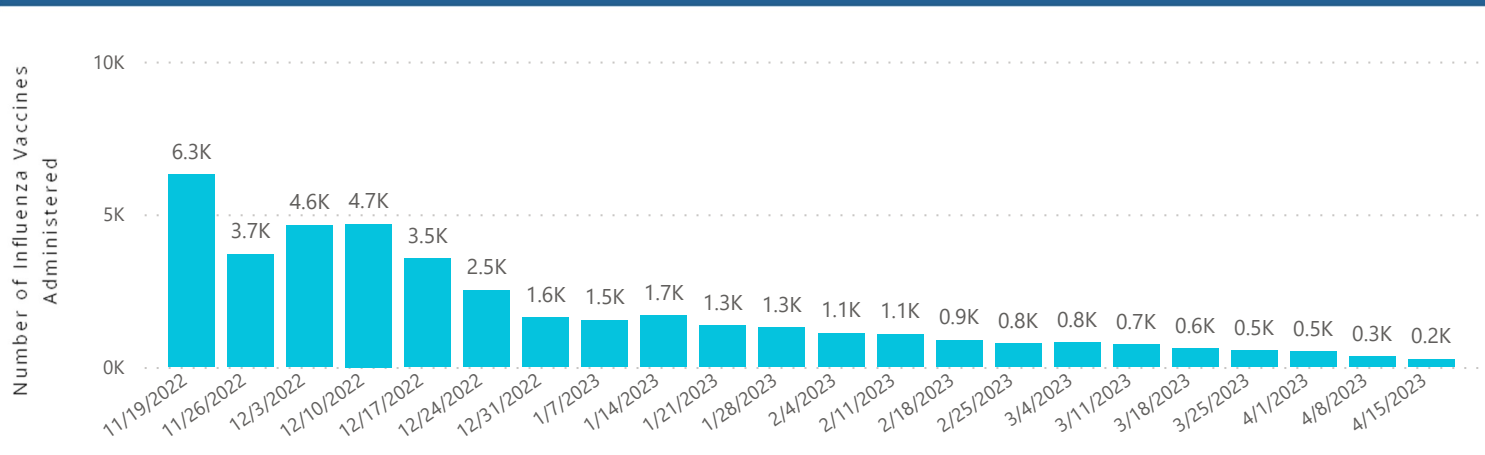
	All Ages	0-4	5-17	18-44	45-64	65+
<b>Number of Vaccinated Residents</b>	127,455	6,510	13,644	31,850	35,616	33,823
<b>% of Vaccinated Residents</b>	27.6%	22.7%	19.0%	16.9%	30.8%	63.4%

## INFLUENZA VACCINATIONS BY SEASON, 2017 – 2023



\*Data for the current season is not complete.

## INFLUENZA VACCINE ADMINISTERED BY MMWR WEEK, 2022-2023

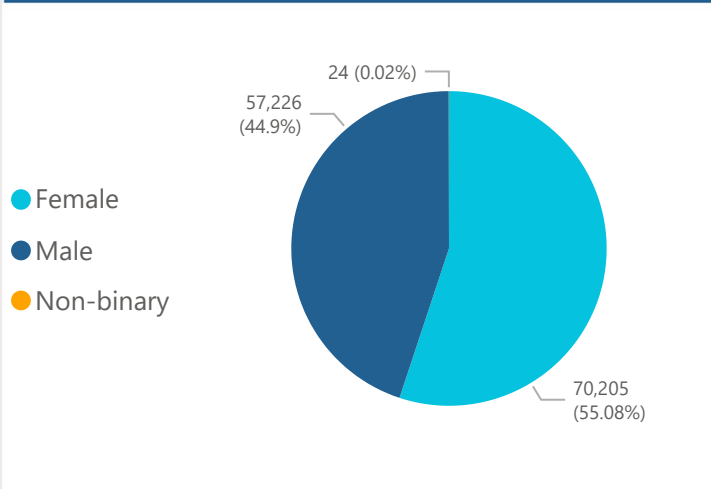


# INFLUENZA WEEKLY REPORT



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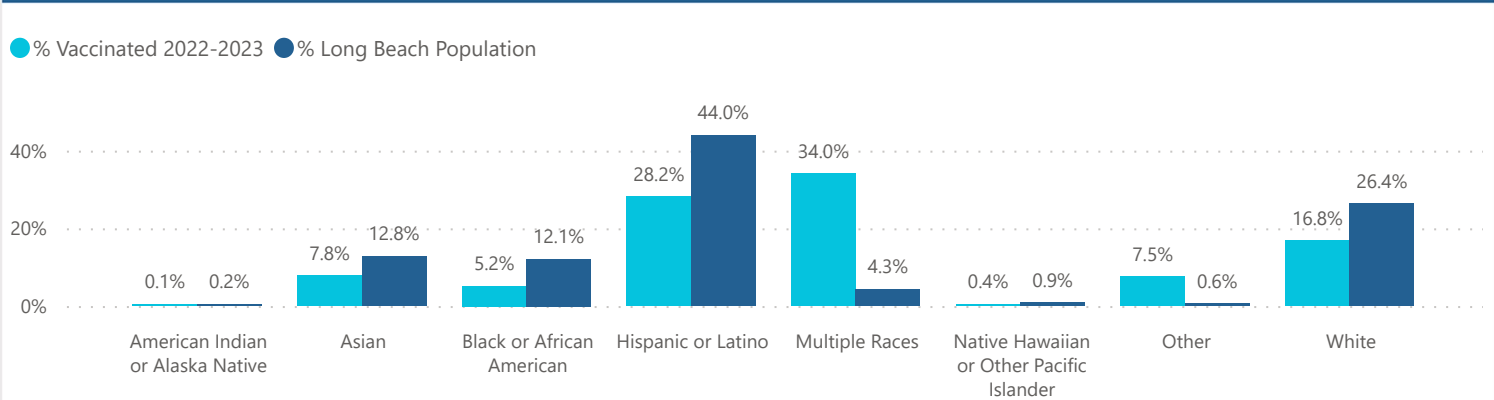
## VACCINATION BY GENDER, 22-23



## VACCINATION BY ZIP, 22-23

Zip Code	Vaccinated	Long Beach Population	% Vaccinated
<b>90808</b>	13877	39602	35.0%
<b>90807</b>	11003	32699	33.6%
<b>90803</b>	10168	32241	31.5%
<b>90814</b>	5881	18714	31.4%
<b>90815</b>	13126	41854	31.4%
<b>90810</b>	10371	36657	28.3%
<b>90806</b>	10417	41280	25.2%
<b>90802</b>	9652	39165	24.6%
<b>90805</b>	22218	95094	23.4%
<b>90804</b>	8431	38151	22.1%
<b>90813</b>	11506	56726	20.3%

## INFLUENZA VACCINATION BY RACE/ETHNICITY, 2022-2023



\* "Multiple Races" category can include individuals who selected "Other" and another race category.



# INFLUENZA WEEKLY REPORT



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## Respiratory Syncytial Virus Infection (RSV)

Respiratory syncytial virus, or RSV, is a common respiratory virus that usually causes mild, cold-like symptoms. Most people recover in a week or two, but RSV can be serious, especially for infants and older adults. RSV is the most common cause of bronchiolitis (inflammation of the small airways in the lung) and pneumonia (infection of the lungs) in children younger than 1 year of age in the United States. Clinical symptoms of RSV are nonspecific and can overlap with other viral respiratory infections, as well as some bacterial infections.

### TOTAL 2022-2023 CASES

146

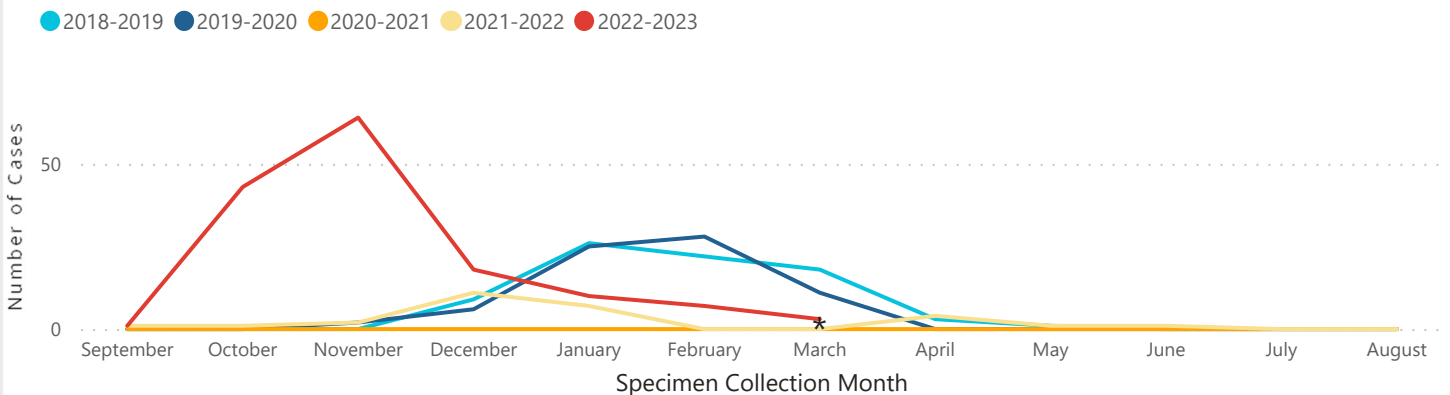
### NEW WEEKLY CASES

0

### PEDIATRIC DEATHS

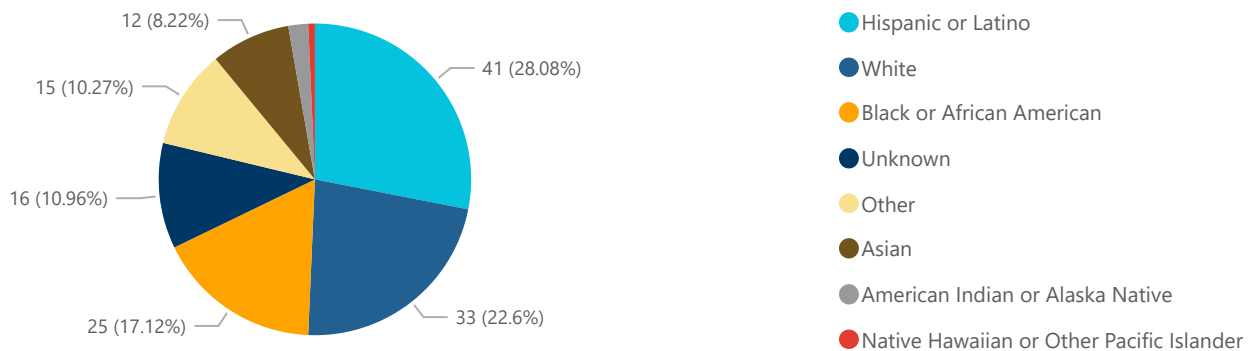
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## RSV BY SEASON, 2018-2022



\*Data for the current month is not complete.

## RSV BY RACE/ETHNICITY, 2022-2023



# INFLUENZA WEEKLY REPORT



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## RSV BY AGE AND SEASON

Age	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
0-4	68%	86%	0%	68%	77%
05-17	0%	3%	0%	4%	10%
18-64	14%	3%	0%	14%	7%
65+	18%	8%	0%	14%	6%

## RSV BY AGE, 2022-2023

