CURRENT UPDATE
Reported Since July 3, 2022

TOTAL REPORTED INFLUENZA CASES

N=21,550

Deaths
43

Outbreaks*
25

*In residential congregate settings

San Diego County Influenza Cases by Episode Month

Preliminary Results
Data Source: San Diego County Communicable Disease Registry
Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology and Immunization Services Branch
## Influenza Surveillance Indicators

<table>
<thead>
<tr>
<th>Indicator</th>
<th>2022-23 Fiscal Year</th>
<th>2021-22 Fiscal Year</th>
<th>Prior 5-Year Average*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Week 22</td>
<td>Total To Date</td>
<td>Week 22</td>
</tr>
<tr>
<td>% P&amp;I deaths†</td>
<td>5%</td>
<td>4%</td>
<td>2%</td>
</tr>
<tr>
<td><strong>INFLUENZA</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cases</td>
<td>33</td>
<td>21,550</td>
<td>41</td>
</tr>
<tr>
<td>Outbreaks§</td>
<td>0</td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>Deaths§</td>
<td>0</td>
<td>43</td>
<td>0</td>
</tr>
<tr>
<td>% ED ILI**</td>
<td>3%</td>
<td>3%</td>
<td>4%</td>
</tr>
</tbody>
</table>

FY 2022-23 is 7/3/2022- 7/1/2023, Weeks 27-26. Previous weeks' case counts or percentages may change due to delayed processing or reporting.
- †Includes FYs 2017-18, 2018-19, 2019-20, 2020-21, and 2021-22.
- ‡The percentage of deaths registered with pneumonia or influenza listed as a cause of death.
- §In a congregate living setting, outbreaks are defined as at least one laboratory-confirmed influenza in the setting of a cluster (≥2 cases) of influenza-like illness (ILI) within a 72-hour period.
- ¶Current FY deaths are shown by week of report; prior FY deaths are shown by week of death.
- **Influenza-like illness (ILI) includes fever plus cough and/or sore throat.
San Diego County Influenza Cases by Type and CDC Episode Week*,
2022-23 Fiscal Year-to-Date (N=21,550)

*Episode date is the earliest available of symptom onset date, specimen collection date, date of death, date reported.
INFLUENZA SURVEILLANCE UPDATE, 2022-23 YTD

Cumulative Influenza Cases by CDC Episode Week* and Fiscal Year

*Episode date is the earliest available of symptom onset date, specimen collection date, date of death, date reported.

Preliminary Results
Data Source: San Diego County Communicable Disease Registry
Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology and Immunization Services Branch
INFLUENZA SURVEILLANCE UPDATE, 2022-23 YTD

*Influenza-like illness (ILI) includes fever plus cough and/or sore throat.

Fiscal Year  
- 2018-2019  
- 2019-2020  
- 2020-2021  
- 2021-2022  
- 2022-2023

Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology and Immunization Services Branch
**Preliminary Results**

Data Source: Emergency department chief complaint data

Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology and Immunization Services Branch

**INFLUENZA SURVEILLANCE UPDATE, 2022-23 YTD**

*Influenza-like illness (ILI) includes fever plus cough and/or sore throat.*

### Percent of ED Visits for ILI by Age Group – Fiscal Year to Date

- **Age Group**
  - 0-4 years
  - 5-17 years
  - 18-49 years
  - 50-64 years
  - 65+ years

- *CDC Disease Week*

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*Influenza-like illness (ILI) includes fever plus cough and/or sore throat.*

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INFLUENZA SURVEILLANCE UPDATE, 2022-23 YTD

Proportion of Influenza Cases by Age Group and Fiscal Year

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>0-4 yrs</th>
<th>5-17 yrs</th>
<th>18-49 yrs</th>
<th>50-64 yrs</th>
<th>65+ yrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018-19</td>
<td>11%</td>
<td>28%</td>
<td>34%</td>
<td>14%</td>
<td>14%</td>
</tr>
<tr>
<td>2019-20</td>
<td>10%</td>
<td>24%</td>
<td>39%</td>
<td>14%</td>
<td>14%</td>
</tr>
<tr>
<td>2020-21</td>
<td>4%</td>
<td>68%</td>
<td>68%</td>
<td>18%</td>
<td>10%</td>
</tr>
<tr>
<td>2021-22</td>
<td>2%</td>
<td>23%</td>
<td>50%</td>
<td>9%</td>
<td>10%</td>
</tr>
<tr>
<td>2022-23 FYTD</td>
<td>12%</td>
<td>36%</td>
<td>33%</td>
<td>8%</td>
<td>10%</td>
</tr>
</tbody>
</table>

Preliminary Results

Data Source: San Diego County Communicable Disease Registry
Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology and Immunization Services Branch
INFLUENZA SURVEILLANCE UPDATE, 2022-23 YTD

Proportion of Influenza Cases by Age Group and Episode Month, 2022-23 Fiscal Year-to-Date

Preliminary Results
Data Source: San Diego County Communicable Disease Registry
Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology and Immunization Services Branch
INFLUENZA SURVEILLANCE
UPDATE, 2022-23 YTD

*Includes skilled nursing facilities, assisted living facilities, group homes, correctional facilities, homeless shelters.

Influenza Outbreaks by Week of Onset

Number of Outbreaks

CDC Week and Calendar Month

- Influenza

Data Source: San Diego County Communicable Disease Registry
Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology and Immunization Services Branch
Selected Characteristics of **COVID-19** and **Influenza** Co-infections*,
2022-23 Fiscal Year-to-Date

**Clinical Outcomes**
- Hospitalizations: 9.7%
- Deaths: 0.7%

**Age Group**
- 0-4 years: 9.0%
- 5-17 years: 24.4%
- 18-49 years: 38.8%
- 50-64 years: 15.6%
- 65+ years: 0%

**Gender**
- Female: 57.1%
- Male: 42.4%
- Unknown: 0.5%

**Race/Ethnicity**
- Hispanic or Latino: 40.4%
- White: 25.1%
- Other Race: 13.5%
- Black or African American: 6.8%
- Asian: 6.1%
- Native Hawaiian or Other Pacific Islander: 1.1%
- Multiple Race: 0.5%
- American Indian or Alaska Native: 0.2%
- Race/Ethnicity Unknown: 6.3%

*Co-infections are identified as any positive influenza tests and positive RT-PCR or antigen tests for SARS-CoV-2 (the causative agent of COVID-19) within one week of each other. There are 411 confirmed and 32 probable COVID-19 cases among the co-infections.*

2022-23 FYTD: 443 co-infections
INFLUENZA SURVEILLANCE
UPDATE, 2022-23 YTD

INFLUENZA DEATHS BY TYPE AND FISCAL YEAR

- Influenza A, subtype unknown: 38
- Influenza A(H3): 4
- Influenza A(H1N1)pdm09: 1
- Influenza B, all subtypes: 108
- Influenza, type unknown: 77
- Both influenza A and influenza B: 43
- Influenza, type unknown: 70
- Influenza, type unknown: 97
- Influenza, type unknown: 68
- Influenza, type unknown: 87
- Influenza, type unknown: 77
- Influenza, type unknown: 108
- Influenza, type unknown: 2
- Influenza, type unknown: 8
- Influenza, type unknown: 43
### Summary of Deaths, Fiscal Year-to-Date

<table>
<thead>
<tr>
<th>Age</th>
<th>Influenza Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4 years</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td>5-17 years</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td>18-49 years</td>
<td>3 (7.0%)</td>
</tr>
<tr>
<td>50-64 years</td>
<td>5 (11.6%)</td>
</tr>
<tr>
<td>65+ years</td>
<td>35 (81.4%)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gender</th>
<th>Influenza Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>18 (41.9%)</td>
</tr>
<tr>
<td>Female</td>
<td>25 (58.1%)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Influenza Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Indian or Alaska Native</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td>Asian</td>
<td>3 (7.0%)</td>
</tr>
<tr>
<td>Black or African American</td>
<td>1 (2.3%)</td>
</tr>
<tr>
<td>Hispanic or Latino</td>
<td>17 (39.5%)</td>
</tr>
<tr>
<td>Native Hawaiian or Other Pacific Islander</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td>Other/Multiple Race</td>
<td>1 (2.3%)</td>
</tr>
<tr>
<td>White</td>
<td>21 (48.8%)</td>
</tr>
</tbody>
</table>

**Vaccinated*** | 12 (27.9%) |

**Underlying Conditions** | 42 (97.7%) |

*Known to be vaccinated for influenza.*
INFLUENZA SURVEILLANCE UPDATE, 2022-23 YTD

Number of Influenza Vaccinations Administered*
by CDC Week and Fiscal Year

Fiscal Year Total
2018-19: 1,083,554
2019-20: 1,202,589
2020-21: 1,250,032
2021-22: 1,255,682
2022-23 FYTD: 1,280,683

*Week 52 data are repeated for week 53 for years that do not include week 53.

Preliminary Results
Data Source: California Immunization Registry (CAIR2)
Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology and Immunization Services Branch