SAN DIEGO COUNTY
INFLUENZA SURVEILLANCE

2022-23 SEASON

AS OF WEEK 49 (ENDING 12/10/2022)
CURRENT UPDATE
Reported Since July 3, 2022

TOTAL REPORTED INFLUENZA CASES
N=17,182

Deaths
20

Outbreaks*
16

*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 49</td>
<td>Week 48</td>
<td>Total To Date</td>
</tr>
<tr>
<td>-------------------</td>
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</tr>
<tr>
<td>Cases</td>
<td>1,603</td>
<td>2,600</td>
<td>17,182</td>
</tr>
<tr>
<td>Outbreaks†</td>
<td>0</td>
<td>4</td>
<td>16</td>
</tr>
<tr>
<td>Deaths§</td>
<td>7</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>% ED ILI¶</td>
<td>7%</td>
<td>10%</td>
<td>3%</td>
</tr>
<tr>
<td>% P&amp;I deaths**</td>
<td>8%</td>
<td>5%</td>
<td>9%</td>
</tr>
</tbody>
</table>

* Prior 5-Year Average includes FYs 2017-18, 2018-19, 2019-20, 2020-21, and 2021-22.
† 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.
** The percentage of deaths registered with pneumonia or influenza listed as a cause of death.
San Diego County Influenza Cases by Type and CDC Episode Week*, 2022-23 Fiscal Year-to-Date (N=17,182)

*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.
INFLUENZA SURVEILLANCE UPDATE, 2022-23 YTD

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

Preliminary Results
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INFLUENZA SURVEILLANCE UPDATE, 2022-23 YTD

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

---|---|---|---|---|---

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

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

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

CDC Disease Week

Percent of ED visits for ILI

Age Group

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

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**

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>0-4 yrs</td>
<td>11%</td>
<td>10%</td>
<td>4%</td>
<td>2%</td>
<td>8%</td>
</tr>
<tr>
<td>5-17 yrs</td>
<td>28%</td>
<td>24%</td>
<td>68%</td>
<td>23%</td>
<td>39%</td>
</tr>
<tr>
<td>18-49 yrs</td>
<td>34%</td>
<td>39%</td>
<td>50%</td>
<td>32%</td>
<td>32%</td>
</tr>
<tr>
<td>50-64 yrs</td>
<td>14%</td>
<td>14%</td>
<td>9%</td>
<td>8%</td>
<td>8%</td>
</tr>
<tr>
<td>65+ yrs</td>
<td>14%</td>
<td>12%</td>
<td>8%</td>
<td>9%</td>
<td>12%</td>
</tr>
</tbody>
</table>

**Proportion of Influenza Cases by Age Group and Fiscal Year**

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
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

July
- 0-4 yrs: 8%
- 5-17 yrs: 21%
- 18-49 yrs: 51%
- 50-64 yrs: 24%
- 65+ yrs: 10%
- Total: 100%

August
- 0-4 yrs: 10%
- 5-17 yrs: 12%
- 18-49 yrs: 46%
- 50-64 yrs: 24%
- 65+ yrs: 10%
- Total: 100%

September
- 0-4 yrs: 6%
- 5-17 yrs: 10%
- 18-49 yrs: 35%
- 50-64 yrs: 45%
- 65+ yrs: 14%
- Total: 100%

October
- 0-4 yrs: 8%
- 5-17 yrs: 6%
- 18-49 yrs: 58%
- 50-64 yrs: 24%
- 65+ yrs: 9%
- Total: 100%

November
- 0-4 yrs: 8%
- 5-17 yrs: 7%
- 18-49 yrs: 34%
- 50-64 yrs: 37%
- 65+ yrs: 13%
- Total: 100%

December
- 0-4 yrs: 11%
- 5-17 yrs: 12%
- 18-49 yrs: 35%
- 50-64 yrs: 24%
- 65+ yrs: 15%
- Total: 100%
INFLUENZA SURVEILLANCE UPDATE, 2022-23 YTD

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

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

Influenza Outbreaks by Week of Onset

Week Ending

Number of Outbreaks

0 5 10 15 20 25


3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 3 6 4 0

Influenza
Selected Characteristics of COVID-19 and Influenza Co-infections*, 2022-23 Fiscal Year-to-Date

Clinical Outcomes
- Hospitalizations: 5.2%
- Deaths: 0.3%

Age Group
- 0-4 years: 8.9%
- 5-17 years: 28.9%
- 18-49 years: 8.7%
- 50-64 years: 12.5%
- 65+ years: 40.4%

Gender
- Female: 9.4%
- Male: 43.9%
- Unknown: 0.7%

Race/Ethnicity
- Hispanic or Latino: 42.9%
- White: 15.7%
- Other Race: 6.3%
- Black or African American: 5.2%
- Asian: 1.0%
- Native Hawaiian or Other Pacific Islander: 0.7%
- Multiple Race: 0.3%
- American Indian or Alaska Native: 3.8%
- Race/Ethnicity Unknown: 3.8%

2022-23 FYTD: 287 co-infections

*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 273 confirmed and 14 probable COVID-19 cases among the co-infections.
## Influenza Surveillance Update, 2022-23 YTD

### 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 Deaths by Type and Fiscal Year

<table>
<thead>
<tr>
<th>Year</th>
<th>Influenza A, subtype unknown</th>
<th>Influenza A(H1N1)pdm09</th>
<th>Influenza A(H3)</th>
<th>Influenza B, all subtypes</th>
<th>Both influenza A and influenza B</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013-14</td>
<td>70</td>
<td>5</td>
<td>2</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>2014-15</td>
<td>97</td>
<td>7</td>
<td>1</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>2015-16</td>
<td>68</td>
<td>3</td>
<td>0</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>2016-17</td>
<td>87</td>
<td>1</td>
<td>0</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>2017-18</td>
<td>343</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2018-19</td>
<td>77</td>
<td>1</td>
<td>0</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>2019-20</td>
<td>108</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2020-21</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2021-22</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2022-23</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Total Influenza Deaths: 501
- Total Influenza A Deaths: 17
- Total Influenza B Deaths: 20
- Total Unknown Subtype Deaths: 3

17 Influenza A subtype unknown and 3 Influenza A(H3)
### Summary of Deaths, Fiscal Year-to-Date

<table>
<thead>
<tr>
<th></th>
<th>Influenza Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Age</strong></td>
<td></td>
</tr>
<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>0 (0.0%)</td>
</tr>
<tr>
<td>50-64 years</td>
<td>3 (15.0%)</td>
</tr>
<tr>
<td>65+ years</td>
<td>17 (85.0%)</td>
</tr>
<tr>
<td><strong>Gender</strong></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>8 (40.0%)</td>
</tr>
<tr>
<td>Female</td>
<td>12 (60.0%)</td>
</tr>
<tr>
<td><strong>Race/Ethnicity</strong></td>
<td></td>
</tr>
<tr>
<td>American Indian or Alaska Native</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td>Asian</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td>Black</td>
<td>1 (5.0%)</td>
</tr>
<tr>
<td>Hispanic or Latino</td>
<td>8 (40.0%)</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 (5.0%)</td>
</tr>
<tr>
<td>White</td>
<td>10 (50.0%)</td>
</tr>
<tr>
<td><strong>Vaccinated</strong>*</td>
<td>7 (35.0%)</td>
</tr>
<tr>
<td><strong>Underlying Conditions</strong></td>
<td>20 (100.0%)</td>
</tr>
</tbody>
</table>

*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: 1,044,870

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