UPDATE ON DELAWARE HEALTH

DECEMBER 12, 2022

Rick Hong, MD
Interim Director
Division of Public Health
Delaware Department of Health and Social Services
Number of New COVID-19 Cases, by Week, Delaware, January – November 2022

Source: Delaware Department of Health and Social Services, Division of Public Health, My Healthy Community, COVID-19 Overview Data, November 23, 2022
COVID-19 CASES: BY AGE GROUP

Rate of COVID-19 Cases per 10,000 population, by Age Group, Delaware, April 2020 – December 7, 2022

Highest Rate: 18-34 year olds
4,028 cases/10,000

Lowest Rate: 0-4 year olds
2,043.9 cases/10,000

Source: Delaware Department of Health and Social Services, Division of Public Health, My Healthy Community, COVID-19 Case Data: Case Demographics, December 7, 2022
COVID-19 HOSPITALIZATIONS: BY WEEK

Number of Current COVID-19 Hospitalizations by Day, Delaware, April 2020 – December 5, 2022

Source: Delaware Department of Health and Social Services, Division of Public Health, My Healthy Community, COVID-19 Overview Data: Current Hospitalizations, December 5, 2022
COVID-19 DEATHS: BY AGE GROUP

Rate of COVID-19 Deaths per 10,000 population, by Age Group, Delaware, April 2020 – December 6, 2022

Source: Delaware Department of Health and Social Services, Division of Public Health, My Healthy Community, COVID-19 Case Data: Case Demographics, December 6, 2022

Highest Rate: 65+ year olds
139 deaths/10,000

Lowest Rate: 18-34 year olds
2 deaths/10,000
Percent Positivity of COVID-19 Tests by ZIP Code, Delaware, November 26 – December 2, 2022

Areas with Highest Percent Positive:

- New Castle County
  19806 (Wilmington): 27.6%
- Kent County:
  19943 (Felton): 10.6%
- Sussex County:
  19950 (Greenwood): 15.7%
Percent of People who have Received at Least One COVID-19 Vaccine Dose, by Age Group, Delaware, December 2020 – December 7, 2022

Highest Rate: 65+ year olds 104.9%

Lowest Rate: 0-4 year olds 7.8%

Source: Delaware Department of Health and Social Services, Division of Public Health, My Healthy Community, COVID-19 Vaccines Data: Vaccinated Persons by Age, December 7, 2022
COVID-19 VACCINATION: PEOPLE FULLY VACCINATED

Percent of People who are Fully Vaccinated Against COVID-19, by ZIP Code, Delaware, December 2020 – December 5, 2022

- Areas with Highest Percent Fully Vaccinated
  - New Castle County:
    - 19807 (Wilmington): 87.3%
    - 19707 (Hockessin): 80.6%
    - 19709 (Middletown): 75.6%
  - Kent County:
    - 19977 (Smyrna): 69.8%
    - 19962 (Magnolia): 69.7%
  - Sussex County:
    - 19971 (Rehoboth Beach): 89.1%
    - 19958 (Lewes): 89%
    - 19945 (Frankford): 81%

Source: Delaware Department of Health and Social Services, Division of Public Health, My Healthy Community, COVID-19 Overview Data: Percent of Total Population Fully Vaccinated, December 5, 2022
COVID-19 VACCINATION: PEOPLE WITH BIVALENT BOOSTER

Percent of Received Bivalent COVID-19 Vaccine Booster, by Age Group, Delaware, September – December 5, 2022

Highest Rate: 65+ years-old 43.1%

Lowest Rate: 5-11 years-old: 1.5%

Source: Delaware Department of Health and Social Services, Division of Public Health, My Healthy Community, COVID-19 Vaccines Data: Vaccinated Persons by Age, December 5, 2022
COVID-19 CASES: BY VACCINATION STATUS

Percent of COVID-19 Cases who were Up to Date on COVID-19 Vaccine, Delaware, October 31 – November 6, 2022

During the week of October 31 - November 6, 2022:

- 90% of all cases were not up to date* on COVID-19 vaccination.

*Up to date means a person has received all recommended vaccines and boosters when eligible.

Source: Delaware Department of Health and Social Services, Division of Public Health, Epidemiology, Health Data and Informatics Section, November 6, 2022
COVID-19 HOSPITALIZATIONS: BY VACCINATION STATUS

Percent of COVID-19 Hospitalized Cases who were Up to Date on COVID-19 Vaccine, Delaware, October 31 – November 6, 2022

During the week of October 31 - November 6, 2022:
- 94% of all hospitalized cases were not up to date* on COVID-19 vaccination.

*Up to date means a person has received all recommended vaccines and boosters when eligible.

Source: Delaware Department of Health and Social Services, Division of Public Health, Epidemiology, Health Data and Informatics Section, November 6, 2022
Areas with Highest Social Vulnerability Index (SVI) score and lowest COVID-19 Vaccination:

- Dover
- Milford
- Georgetown
- Laurel

Source: Delaware Department of Health and Social Services, Division of Public Health, My Healthy Community, COVID-19 Vaccines Data: Assessing Vaccination Coverage in Vulnerable Communities, December 6, 2022
PEDIATRIC IMMUNIZATION TRENDS
Delaware, September 2020-September 2022

Source: Delaware Immunization System, 2022
HIV HARM REDUCTION SERVICES, DELAWARE, 2021-2022

Source: Delaware Department of Health and Social Services, Division of Public Health, HIV Evaluation Web and Delaware SSP data, 2022
HIV HARM REDUCTION SERVICES, DELAWARE, 2021-2022 (CONT.)

Number of Syringes Exchanged in First Three Quarters, Delaware, 2021 and 2022

Number of Clients Referred to a PrEP Provider, Delaware, 2021 and 2022 (First 3 Quarters)

Source: Delaware Department of Health and Social Services, Division of Public Health, HIV Evaluation Web and Delaware SSP data, 2022
HIV SURVEILLANCE

Annual HIV Infections in Delaware by Risk Exposure, 2001-2021

Source: Enhanced HIV/AIDS Reporting System (eHARS), 2022
Four invasive cases of *Candida auris* have been identified in Delaware in 2022. Three have occurred in blood, and one in urine.

The first two clinical cases prompted point prevalence surveys in Delaware health care facilities, to determine if other patients have been colonized non-invasively with *C. auris*. Eleven point prevalence surveys have been conducted so far, with more on-going.

The point prevalence surveys and contact screenings identified 16 colonization cases, one of which became a clinical case. Ages have ranged from 30 to 88, and have occurred in skilled nursing facilities, a long term acute care hospital, and a unit in a short term acute care hospital.

The Delaware Division of Public Health has performed four Infection Control and Responses (ICARs) at facilities affected by the outbreaks. DPH reviewed facility policies, performed direct observations, and made recommendations to better infection control.
13 CASES OF CARBAPENEMASE PRODUCING ORGANISMS (CPOS), DELAWARE, JANUARY-NOVEMBER 23, 2022

**Carbapenemase genes, Delaware, January 2022 through November 2022**

<table>
<thead>
<tr>
<th>Carbapenemase genes</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMP</td>
<td>1</td>
</tr>
<tr>
<td>KPC</td>
<td>8</td>
</tr>
<tr>
<td>NDM</td>
<td>2</td>
</tr>
<tr>
<td>OXA-24</td>
<td>6</td>
</tr>
<tr>
<td>OXA-48*</td>
<td>1</td>
</tr>
</tbody>
</table>

*co-occurred with one NDM case

**Bacteria with carbapenemase genes, Delaware, January through November 2022**

<table>
<thead>
<tr>
<th>Bacterial species</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acinetobacter baumannii</td>
<td>1</td>
</tr>
<tr>
<td>E. coli</td>
<td>2</td>
</tr>
<tr>
<td>Enterobacter cloacae</td>
<td>3</td>
</tr>
<tr>
<td>Klebsiella pneumoniae</td>
<td>4</td>
</tr>
<tr>
<td>Providencia rettgeri</td>
<td>1</td>
</tr>
<tr>
<td>Pseudomonas aeruginosa</td>
<td>1</td>
</tr>
<tr>
<td>Klebsiella oxytoca</td>
<td>1</td>
</tr>
</tbody>
</table>

Source: Delaware Electronic Reporting and Surveillance System
TUBERCULOSIS DISEASE

Cases and Incidence of TB Disease, 2012-2021

Source: National Tuberculosis Indicators Project, November 22, 2022. These data only included cases counted in Delaware.
### Confirmation of rabies cases by year and species with positivity rate, Delaware, 2018-November 2022

<table>
<thead>
<tr>
<th>Species</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022 (year-to-date)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raccoon</td>
<td>18</td>
<td>12</td>
<td>8</td>
<td>4</td>
<td>13</td>
</tr>
<tr>
<td>Fox</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Bat</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Cat</td>
<td>4</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Skunk</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Dog</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Groundhog</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Sheep</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Horse</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Donkey</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Cow</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Deer</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**Source:** Delaware Department of Health and Social Services, Division of Public Health, Office of Infectious Disease Epidemiology, 2022
Total Annual Influenza Cases\(^1\) Per Season, Delaware, 2010-2011 season to 2022-2023 season YTD

Source: Delaware Department of Health and Social Services, Division of Public Health
• **Flu dashboard:**
  Now live on My Healthy Community:

  You can also access it by clicking on the ‘Weekly Flu Data’ link at [flu.delaware.gov](http://flu.delaware.gov).

• **Flu toolkit:**
  [https://covidmaterialsde.com/resources/flu](https://covidmaterialsde.com/resources/flu)

• **General flu information:**
Delaware Total Influenza Cases\(^1\) Per Month, 2019-2023

*National COVID-19 emergency declared March 13th*

**Source:** Delaware Department of Health and Social Services, Division of Public Health

---

1. Influenza Cases are confirmed via lab PCR testing
2. Flu Season starts the month of October and ends in May

---

**Delaware Total Influenza Cases**

**Delaware Influenza-Like Illness (ILI) Rate**
Counts of Confirmed Respiratory Virus Activity, Delaware, 2022-2023 Influenza Season, as of November 26, 2022

Source: Delaware Department of Health and Social Services, Division of Public Health, November 26, 2022
Samples uploaded weekly to CDC’s online National Wastewater Surveillance System: https://covid.cdc.gov/covid-data-tracker/#/wastewater-surveillance
Clinical COVID-19 Cases in New Castle County and COVID-19 in Wilmington Wastewater, Delaware, April-November, 2022

Source: CDC National Wastewater Surveillance System
DPH launched a Public Health Information web portal, de.gov/PublicHealthAlerts, on September 1, 2022.

It provides information about current public health issues of elevated concern:

- COVID-19
- Mpox
- Flu
- Other issues as they may arise.

COVID-19 information can still be found at de.gov/coronavirus, mpox information can still be found at de.gov/mpox, and flu information can still be found at flu.delaware.gov.
• The WHO recently announced it’s changing the name Monkeypox to Mpox to reduce stigmatization.

• 43 mpox cases have been reported in Delaware as of December 7, 2022.

• 1,659 persons in Delaware received at least one dose of vaccine.

• CDC reports 29,630 mpox cases in the U.S., as of December 2, 2022. Our neighboring states have the following case counts: Maryland, 733; Pennsylvania, 857; New Jersey, 760; and Washington, D.C., 524.

• For more information, visit de.gov/monkeypox. Check the webpage to learn how to make a vaccine appointment.

Source: https://www.cdc.gov/poxvirus/monkeypox/response/2022/mpx-trends.html
 Providers are encouraged to sign up to receive Delaware Health Alert Network (DHAN) notifications for updated public health information at healthalertde.org/.

 Providers can access updated infectious disease data and trends via Delaware’s My Health Community: https://myhealthycommunity.dhss.delaware.gov/home.

 DPH thanks all of Delaware’s medical providers for all their hard work and dedication to the field.
THANK YOU FOR ATTENDING

Delaware COVID-19 website
de.gov/coronavirus

Delaware flu website
flu.Delaware.gov

Delaware Health Alert Network online registration system
healthalertde.org/

Rick Hong, MD
Acting Director, Division of Public Health
rick.hong@delaware.gov
302-744-4701
www.dhss.delaware.gov/dhss/dph

DELAWARE HEALTH AND SOCIAL SERVICES
Division of Public Health