Timeline Tuesdays Wrap Up & Data to Action Opening

Wrap Up:
Rebecca King

Opening:
Tabatha Offutt-Powell
Wrapping up our 2020-2021 series: “Timeline Tuesdays: Data Snapshots Webinar Series...”

• Featured organizations
  • Main takeaways
• Opportunities moving forward
Organizations We’ve Heard From...

Westside Family Healthcare
We treat you well.

Delaware Department of Education

Delaware Early Childhood Council

Nemours Alfred I. duPont Hospital for Children

St. Michael’s School and Nursery, Inc.

Deaeyc Delaware Association for the Education of Young Children
Organizations We’ve Heard From...

NAMI | National Alliance on Mental Illness

Delaware | Join the Movement!

ECMHC | Building capacity and improving abilities in early learning programs

MEALS FOR DELAWARE STUDENTS
de.gov/covid19edu

CAPITAL SCHOOL DISTRICT

Center for Drug & Health Studies
cdhs.udel.edu

Biden School of Public Policy & Administration
www.bidenschool.udel.edu
Organizations We’ve Heard From...
Organizations We’ve Heard From...

- Christiana Care™
- Communities In Schools Delaware
- HOUSING ALLIANCE DELAWARE
- State Board of Education Delaware
- Adolescent Resource Center
Organizations We’ve Heard From...

- Harper's Heart
- dapí
- Habitat for Humanity
- DELAWARE AFTERSCHOOL NETWORK
- THE WAREHOUSE
- La Esperanza
What to Watch...
Going forward...
Overview for Upcoming Series

“Data to Action”

• 6 webinars (this + 5), 6 briefs

• Reflect messages of 2021 KIDS COUNT in Delaware Fact Book: Delaware Kids and COVID-19
  – COVID-19
  – Health
  – Educational Involvement
  – Economic Security
  – Family and Community
25 YEARS OF COUNTING DELAWARE KIDS

My Healthy Community

Delaware’s Environmental Public Health Tracking Network
Presentation Overview

1. My Healthy Community platform

2. COVID-19 dashboard
What is My Healthy Community?

An innovative software platform that provides information to the community in a usable and easily understandable format that can be translated into action.

https://myhealthycommunity.dhss.delaware.gov
## Target Audiences

### State Leadership
- Reduce health care costs (e.g. reduced ER visits)
- Assess trends both geographically and across time
- Provide data to help drive decision and policy making for healthier communities

### Community-Based Organizations
- Assess whether interventions are working / need more funding
- Identify health/risk factors that may require new interventions/programs
- Improve grant-writing self-sufficiency: Currently have to submit data requests & wait

### Hospitals / Health Practitioners
- Discover concerns in a practice's neighborhood (e.g. Lead poisoning is high: need to emphasize blood lead testing)

### Statewide Residents
- Discover and understand data on health topics related to a local community
Major Categories (114+ Indicators across 10 Categories)

<table>
<thead>
<tr>
<th>Community Characteristics</th>
<th>Environmental Health</th>
<th>Climate Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic Disease</td>
<td>Mental Health and Substance Use</td>
<td>Healthy Lifestyles</td>
</tr>
<tr>
<td>Community Safety</td>
<td>Maternal and Child Health</td>
<td>Health Services Utilization</td>
</tr>
<tr>
<td></td>
<td>Infectious Disease</td>
<td></td>
</tr>
</tbody>
</table>
Initial Release – May 2019

Environment
- Air quality, public and private (wells) drinking water

Chronic Disease
- Asthma ED and hospitalizations

Mental Health & Substance Use
- Drug overdose deaths
- Prescription drugs (PMP)
- Suspected non-fatal drug overdoses
- Youth substance use
- Neonatal abstinence syndrome

Community characteristics
- Population
- Population density
- Diversity index score
- Ethnicity
- Race
- Age
- Deprivation index
- Social Vulnerability Index
- Income
- Education
Environment
- Air quality
- Public Drinking Water
- Private Drinking Water

Climate Change
- Social Vulnerability Index
- Carbon Monoxide Poisoning
- Myocardial Infarction
- Asthma
- Heat Stress
- Life Expectancy
- Health Status
- Lyme Disease

Chronic Disease
- Asthma ED visits, hospitalizations, and deaths
- Diabetes
- Hypertension
- Myocardial Infarctions

Healthy Lifestyles
- Health status
- Physical activity
- Sleep
- Weight
- Youth nutrition

Infectious Disease
- Nationally notifiable conditions deaths
- Hepatitis C deaths
- COVID-19 – case, testing, and vaccination

Community characteristics
- Population
- Population density
- Diversity index score
- Deprivation Index
- Social Vulnerability Index
- Ethnicity
- Race
- Age
- Life Expectancy at Birth
- Income
- Education
- Poverty

Community Safety
- Violent deaths
- Accidental deaths

Maternal & Child Health
- Infant and fetal deaths
- Teen pregnancy
- Preterm births
- NAS
- Lead Poisoning

Health Services Utilization
- Mortality amenable to healthcare
- Colorectal cancer screening

Mental Health & Substance Use
- Mental Health
- Suicide
- Adult Excessive Drinking
- Tobacco Use
- Drug Overdoses
- Prescription Monitoring Program
- Suspected Non-fatal Overdoses
- Youth Substance Abuse
- Youth Prescription Pain Med Use
- Neonatal Abstinence Syndrome

Data Sources
- Data in My Healthy Community originate from a variety of sources including the U.S. Census Bureau, federal agencies, state agencies, and administrative and surveillance systems.
Community Characteristics

- Landing page for a geographic area (e.g., state, county, zip code, etc.)
- Offers census-based sociodemographic facts
  - E.g., population, population density, diversity index score, race/ethnicity, age, life expectancy at birth, median income, residents living below the poverty line, high school graduation
- These sociodemographic facts can be compared across geographies
New Community Characteristics Page Design –
Estimated 2021

Community Characteristics

Total Population: 564,568 people
Median Household Income: $68,336
Population Density: 1,306 people per square mile

Social Vulnerability Index Score: 0.39

Population by Age:
- Under 18: 22.0%
- Between 18 and 65: 63.8%
- Over 65: 14.2%

Average Age: 38

Population by Race:
- White: 64.8%
- Black: 24.5%
- Asian: 5.5%
Updated Site Navigation Tool - 2021

- In 2021 My Healthy Community was enhanced to assist users with more easily navigating the site by location and topic.
- Users can select various geography levels (from state to census block group)
- A map is included in the selection tool to assist the user in selecting a geography.
- A featured topics page is included to allow the user to see important or popular topics within the state.
My Healthy Community COVID Dashboard

Delaware’s Environmental Public Health Tracking Network
Coronavirus (COVID-19) Data Dashboard

VACCINATIONS

COVID-19 vaccinations dashboard
This dashboard contains information about COVID-19 vaccinations in Delaware.
View vaccinations dashboard >

IMPORTANT INFORMATION ABOUT THIS PAGE
Data are current as of 6pm the previous day. Last update: 08/17/2021 5:24 PM.
About the data
DOWNLOAD DATA AS .csv

Overview

Select dataset (Use dropdown to select)
Percentage of Total Population Fully Vaccinated

Percentage of 18+ Population Vaccinated With At Least One Dose
74.3%
Data Source - CDC
Learn about how it differs from other DE data here

Percentage of Total Population Vaccinated With At Least One Dose
56.9%
COVID-19 Data Categories

COVID-19 Overview  Testing  Cases
Vaccine Tracker  Deaths  Contact Tracing
School Dashboard
Many Different Indicators Across the Categories!

**COVID-19 Overview**
- Vaccinations Stats
- Case Stats
- Breakthrough Cases
- Deaths
- Hospitalizations
- Testing Stats

**Testing**
- Test Rates
- Total Persons Tested
- Total Tests Conducted
- Persons Testing Negative

**Cases**
- Total Positive Cases
- Percentage Testing Positive
- Positive Case Rates
- Venues Visited by Cases

**Deaths**
- Total Deaths
- Recent Deaths

**Vaccine Tracker**
- Doses Delivered
- Doses Administered
- Persons Fully Vaccinated
- Persons Partially Vaccinated
- Vaccinations vs. SVI

**Contact Tracing**
- Contacts Named
- Contacts Reached
- Known Exposures

**School Dashboard**
- In-Person Contagious Students
- In-Person Contagious Staff

*Many of these indicators are available at multiple geography levels, age, ethnicity, race, and gender stratifications.*
Data Suppression

- Data displayed on My Healthy Community are available at various geographic levels. Various factors are taken into consideration in the presentation of data to ensure compliance with HIPAA privacy laws.
- Algorithms are applied to each data file to ensure that appropriate suppression rules are met.
  - Summary Metric Slats
    - Frequency tables:
      - Must not have cells with fewer than \( k = 11 \) individuals
      - Must have populations of 500 or more
    - No disclosure by subtraction can occur
    - If cell count does not meet the threshold, cells will be aggregated:
      - Over a longer period of time
      - Over a larger geographic unit
      - Aggregation of the attribute
  - Heat Maps
    - All cases are "snapped" to the nearest lattice point
    - Only event counts \( \geq 5 \) are used, and the estimated population near a lattice point must be \( \geq 500 \)
- In summary data are displayed at the smallest geographical area that is available in the data set and meets HIPAA suppression rules
- Labels are used in the various data sets to assist the user in determining if data is being suppressed

Please note: Your chosen geography is shown when possible. A larger geography may be shown to protect health data privacy in the case of small numbers or data availability.
The COVID-19 Overview Page displays information across the various categories presented on My Healthy Community’s COVID-19 dashboard.

Most data presented on the dashboard are updated daily.

Various graphics including maps, graphs, tables, and stand-alone stats are used to convey the overall COVID-19 situation in Delaware.

Various data sources are utilized to assist in presenting COVID-19 data across the dashboard.
The COVID-19 testing page presents data and information on COVID-19 testing across the state.
A map is used to convey testing rates by zip code.
Users can view the data by week from March 2020 to present.
Charts and tables are used to present testing data (total persons and rates) by race/ethnicity.
Data can be viewed at various geography levels.
COVID-19 Cases

- An animated map depicts the spread of COVID-19 over time. The video shows positive case rates over time from the start of the pandemic.
- Users can view the data by week from March 2020 to present.
- Graphs on cumulative positive case totals from March 2020 are conveyed.
- Charts and tables are used to present positive case rates by race, ethnicity, age, and sex.
- Data can be viewed at various geographies.
COVID-19 Cases by age

- A bar graph and a table are used to display the case rates by age group.
- The table presents case rates by age and county.
- These visuals can be viewed at lower-level geographies (e.g., city, zip code, census tract).
COVID-19 Vaccination Tracker

- The COVID-19 Vaccination page presents data and information on COVID-19 vaccinations across the state.
- Most data are updated daily.
- A graph is used to compare persons that have been partially and fully vaccinated across the state. The graph shows everyone vaccinated in the state and separately vaccination among Delawareans only.
- Vaccination data are stratified by age, sex, race, and ethnicity.
- Data can be viewed at various geography levels.
The COVID-19 Vaccination page also uses a chart to combine information on vulnerable communities with COVID-19 vaccination coverage.

This chart and graph assesses the relative vulnerability of a community and vaccination coverage and plots the information on a color-coded chart.

Darker colors indicate communities that are more vulnerable with lower vaccination coverage.

These efforts allow vaccination efforts to be prioritized across the state.
COVID-19 Vaccination Tracker- SVI and vaccination coverage

Census Tract 431 Summary
Census Tract 431 is characterized by having a Social Vulnerability Index (SVI) score of 0.55 which indicates a moderate level of vulnerability. What is the CDC’s SVI score?

As of the last data reporting, the percentage of fully vaccinated people 16+ for Census Tract 431 was 37.60%.

How can I use the information in the "Linking Vaccination Coverage with CDC’s Social Vulnerability Index" table?
Social vulnerability refers to the potential negative effects influenced by external stresses on human health such as natural or human-caused disasters or disease outbreaks. The CDC’s social vulnerability index (SVI) indicates the relative vulnerability of census tracts in Delaware. By combining the SVI with the percentage of the population fully vaccinated for COVID-19 (vaccination coverage), communities can use this tool to understand their population’s level of vulnerability in the context of vaccination coverage and continue to support efforts that increase vaccination in our most vulnerable communities with the lowest vaccination coverage.
COVID-19 Vaccination Tracker – Demographics

- The COVID-19 Vaccination page presents vaccinations by age group.
- The bar graph shows the percentage of each age group that is vaccinated.
- The table displays the number of persons vaccinated in each age group, the percentage of the age group vaccinated, and the percentage of all persons vaccinated.
- The age groups can be broken down into smaller geographies.
- Vaccination coverage is also stratified by race, ethnicity, and sex.
COVID-19 Deaths

Deaths

Latest Status

STATE OF DELAWARE

Total Deaths in State of Delaware

Total Deaths

1,920

To 5 per 10,000 people

Confirmed 1,756
Probable 164
Residents of Long-Term Care Facilities 840

Deaths by County

New Castle County 952
Kent County 398
Sussex County 570
Unknown 0

STATE OF DELAWARE

Most Recent Deaths Announced

Total Deaths

0

Age Range
N/A

Individuals Having Underlying Health Conditions
0

Residents of Long-Term Care Facilities
0

Deaths by County

New Castle County 0
Kent County 0
Sussex County 0
Unknown 0

- State and county-level death data available.
- Updated daily.
- Key Stats are shown at the top of the page and convey both cumulative (since the start of the pandemic) and the most recent deaths.
- Confirmed and probable COVID-19 cases, and deaths of residents of long-term care facilities.
- Charts and tables present deaths stratified by race, ethnicity, age, and sex.
- Data can be viewed at various geography levels.
COVID-19 Contact Tracing Page

Contact Tracing

Contact Tracing Statistics

In contact tracing, public health staff work with an individual who has a positive test for COVID-19 to help them recall everyone with whom they have had close contact during the timeframe while they may have been infectious. Read more about Delaware’s contact tracing plan →

June 27 - September 08: Represents all data since the launch of the current contact tracing system. Earlier cases were investigated and contact tracings using a different system.

<table>
<thead>
<tr>
<th>Total contacts named</th>
<th>Contacts reached</th>
<th>Avg. contacts per case</th>
<th>Cases with known exposure to another case</th>
</tr>
</thead>
<tbody>
<tr>
<td>161,072</td>
<td>87,234</td>
<td>2.4</td>
<td>27,492</td>
</tr>
</tbody>
</table>

25% of total contacts named

Total positive cases: 112,140

4.9% of total positive cases

Cases not eligible for interview:
- Exonerated cases: 364
- Hospitalized cases: 1,832
- Long-term care cases: 1,917

- This page shows information on the number of contacts named by positive cases, the number of contacts contacted, etc.
- Data can be viewed at the State Level
The COVID-19 School Dashboard page presents data and information on the COVID-19 cases in schools. Data presented in the school dashboard are updated weekly. Charts and tables are used to present data on in-person contagious cases in schools by week, school type, and district.

- In-person contagious is defined as persons who were present at school 48 hours prior to the onset of symptoms (or test date if no symptoms).
- The source of infection of these cases cannot be attributed to schools, nor is it known that they are the source of infection to others in schools.
Summary

- Population health data are available on the My Healthy Community (MHC platform).

- The COVID-19 dashboard is on the MHC platform and provides data on several COVID-19 metrics including the broad categories of cases, testing, vaccinations, contact tracing, hospitalizations, and schools.

- Data are made available at the smallest geography possible to provide communities with actionable information. Automated HIPAA algorithm ensures data are suppressed to protect privacy.

- One measure alone will not adequately depict the current state or impact of COVID-19 on our communities; therefore, key metrics are presented in multiple categories (testing, cases, vaccinations, hospitalizations, etc.) and formats (counts, rates, percentages) on MHC.

- Data are combined to support population-based approaches such as the CDC’s social vulnerability index combined with vaccination coverage by census tract.

- Data are available for download and can be used to present data in additional ways.
Acknowledgements

My Healthy Community Team
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