



Monitoring & Protecting Our Progress

Most Current 7 Days: 12/18/2020–12/24/2020

Published: 12/28/2020

Introduction

Beginning June 26, 2020, Chester County and Delaware County advanced to the “Green” phase of Governor Wolf’s reopening plan. The data provided below are used to monitor COVID-19 during the “Green” phase.

Note: This report has been updated to better display historical data for trends. Data is updated once a week. All data, including historical data, is updated each time this report is published as additional data that becomes available through laboratory reporting and case investigations. This report no longer contains contact tracing information as this strategies has been temporarily discontinued.

Cumulative Incidence Rate per 100,000

Cumulative incidence rate is a public health measure that summarizes the number of new COVID-19 cases. The lower the incidence rate, the lower the number of new cases. This measure is calculated by dividing the total number of confirmed¹ cases by the population² for a specific time period, and is expressed as a rate per 100,000 people. The rate is calculated for 7 day periods beginning with the most current week as Week 1 and looking back three weeks in the tables below.

Chester County

| 7 Day Period | Positive Case Count | Incidence Rate per 100,000 | Additional Data |
|-----------------------|---------------------|----------------------------|---------------------------------------|
| Week 1 (most current) | 1,467 | 281.01 | Local Incidence Rates |
| Week 2 | 1,904 | 364.72 | |
| Week 3 | 1,753 | 335.79 | |
| Week 4 | 1,479 | 283.31 | |
| Weeks 1-4 Average | 1,650.75 | 316.21 | |

Delaware County

| 7 Day Period | Positive Case Count | Incidence Rate per 100,000 | Additional Data |
|-----------------------|---------------------|----------------------------|---------------------------------------|
| Week 1 (most current) | 1,719 | 304.38 | Local Incidence Rates |
| Week 2 | 1,785 | 316.07 | |
| Week 3 | 2,108 | 373.26 | |
| Week 4 | 1,822 | 322.62 | |
| Weeks 1-4 Average | 1,858.50 | 329.08 | |

¹ Confirmed cases are those confirmed through a laboratory test.

² Chester County Population = 522,046 | Delaware County Population = 564,751



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Percent Positivity

Percent positivity is a public health measure that shows the percentage of all PCR COVID-19 tests performed that are positive. This measure is calculated by dividing the total number of positive PCR tests by the total number of all PCR tests (positives + negatives) for a specific time period, and is expressed as a percent. If individuals are tested multiple times, each test result is counted. The percent is calculated for 7 day periods beginning with the most current week as Week 1 and looking back three weeks in the tables below.

Chester County

| 7 Day Period | Positive PCR Tests Count | All PCR Tests Count | Percent PCR Positivity |
|-----------------------|--------------------------|---------------------|------------------------|
| Week 1 (most current) | 1,654 | 15,045 | 10.99% |
| Week 2 | 2,057 | 17,489 | 11.76% |
| Week 3 | 1,871 | 17,185 | 10.89% |
| Week 4 | 1,595 | 15,642 | 10.20% |
| Total for All Weeks | 7,177 | 65,361 | 10.98% |

Delaware County

| 7 Day Period | Positive PCR Tests Count | All PCR Tests Count | Percent PCR Positivity |
|-----------------------|--------------------------|---------------------|------------------------|
| Week 1 (most current) | 1,918 | 15,866 | 12.09% |
| Week 2 | 1,996 | 16,784 | 11.89% |
| Week 3 | 2,287 | 17,311 | 13.21% |
| Week 4 | 1,974 | 15,543 | 12.70% |
| Total for All Weeks | 8,175 | 65,504 | 12.48% |

Recommendations

COVID-19 spreads mainly through close contact from person to person, including between people who are physically near each other (within about 6 feet). People who are infected but do not show symptoms can also spread the virus to others. How easily a virus spreads from person to person can vary. Incidence rates and percent positivity are impacted by the activities individuals engage in that increase exposure risks. Individuals are encouraged to reduce their exposure risks by avoiding group activities, remaining home when not feeling well, and wearing a mask at all times. Over the past 7 days, the most common types of activities reported to the Chester County Health Department by individuals with COVID-19 included:

| Chester County | Delaware County |
|--|--|
| <ul style="list-style-type: none"> • Have Close Contact With A Confirmed Or Probable Case Of COVID-19 Disease | <ul style="list-style-type: none"> • Have Close Contact With A Confirmed Or Probable Case Of COVID-19 Disease |



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| Chester County | Delaware County |
|---|--|
| <ul style="list-style-type: none"> • Attend Or Work At A School (Pre-K To 12th Grade) • Worked At, Visited, Or Stayed In A Healthcare Setting (e.g., Hospital / Long-Term Care / Rehab / Skilled Nursing Facility / Clinic / Personal Care Home) • Spend Time At Any Business Establishments (e.g., Restaurants, Bars, Gym/Fitness Center, Movie Theaters, Salon/Barbershop) • Member Of A Cluster Of Persons Under Investigation For 2019-Ncov • Attend Or Participate In A Mass Gathering Or Other Event (e.g. Wedding, Funeral, Concert, Party, Sporting Event, Contact Sport, Religious Gathering, etc.) • Attend Or Work At A Child- Or Daycare • Travel Within The US Or Canada, Outside Of Pennsylvania | <ul style="list-style-type: none"> • Attend Or Work At A School (Pre-K To 12th Grade) • Worked At, Visited, Or Stayed In A Healthcare Setting (e.g., Hospital / Long-Term Care / Rehab / Skilled Nursing Facility / Clinic / Personal Care Home) • Member Of A Cluster Of Persons Under Investigation For 2019-Ncov • Attend Or Work At A Child- Or Daycare • Spend Time At Any Business Establishments (e.g., Restaurants, Bars, Gym/Fitness Center, Movie Theaters, Salon/Barbershop) • Travel Via Mass Transit (e.g., Airplane, Bus, Train, Ride Share, etc.) • Live In Or Had Exposure To Other Congregate Housing (e.g. Dormitory, Barracks) |

Caution: The information above cannot be used to identify definitive sources of contracting COVID-19 as individuals may report engaging in more than one activity.

Note: Specific percents are no longer reported for exposure activities due to misinterpretation and misuse of the data.