



Monitoring & Protecting Our Progress

Most Current 7 Days: 10/09/2020–10/15/2020

Published: 10/16/2020

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.

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)	272	52.10	Public School District Incidence Rates
Week 2	243	46.55	
Week 3	256	49.04	
Week 4	258	49.42	
Weeks 1-4 Average	257.25	49.28	

Delaware County

7 Day Period	Positive Case Count	Incidence Rate per 100,000	Additional Data
Week 1 (most current)	433	76.67	Public School District Incidence Rates
Week 2	312	55.25	
Week 3	309	54.71	
Week 4	227	40.19	
Weeks 1-4 Average	320.25	56.71	

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)	289	9,365	3.09%
Week 2	274	8,843	3.10%
Week 3	304	7,782	3.91%
Week 4	294	8,207	3.58%
Total for All Weeks	1,161	34,197	3.40%

Delaware County

7 Day Period	Positive PCR Tests Count	All PCR Tests Count	Percent PCR Positivity
Week 1 (most current)	476	12,172	3.91%
Week 2	343	11,210	3.06%
Week 3	335	9,882	3.39%
Week 4	248	9,526	2.60%
Total for All Weeks	1,402	42,790	3.28%

Contact Tracing

Contact tracing is a public health strategy that identifies who has been in close contact to individuals with COVID-19. Identifying close contacts is important so contacts understand their risk for getting and spreading COVID-19. Close contacts are also provided guidance on next steps and how to quarantine. When close contacts quarantine it helps stop the transmission of COVID-19. The information provided below is for the most current 7 days.

	Chester County	Delaware County
Number of Trained Contact Tracers	69	
Number of Individuals Currently Being Monitoring in Quarantine	244	276
Number of Individuals Who Have Completed Quarantine Monitoring	409	344
Total	653	620



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Exposure Risks

Exposure risks are those risks that have likely resulted in an individual being exposed to COVID-19. Exposure risks are gathered through Chester County Health Department’s COVID-19 investigations of individuals who are confirmed and probable COVID-19 cases and their close contacts. Below are the most common exposure risks communicated for the most current 7 days by individuals exposed to COVID-19. If individuals identify more than one risk, each is counted.

Chester County

Exposure Risks For Past 7 Days	Risk Count	Percent of All Individuals Exposed
Have Close Contact With A Confirmed Or Probable Case Of COVID-19 Disease	45	58.44%
Attend Or Participate In A Mass Gathering Or Other Event (e.g. Wedding, Funeral, Concert, Party, Sporting Event, Contact Sport, Religious Gathering, etc.)	15	19.48%
Worked At, Visited, Or Stayed In A Healthcare Setting (e.g. Hospital / Long-Term Care / Rehab / Skilled Nursing Facility / Clinic / Personal Care Home)	12	15.58%
Attend Or Work At A School (Pre-K To 12th Grade)	10	12.99%
Patient Was Incarcerated Or Employed At Prison / Jail	10	12.99%
Travel Within The US Or Canada, Outside Of Pennsylvania	9	11.69%
Spend Time At Any Business Establishments (e.g. Restaurants, Bars, Gym/Fitness Center, Movie Theaters, Salon/Barbershop)	7	9.09%
Attend Or Work At College Or University	6	7.79%
Member Of A Cluster Of Persons Under Investigation For 2019-Ncov	5	6.49%
Travel Via Mass Transit (e.g. Airplane, Bus, Train, Ride Share, etc.)	2	2.60%
Alerted By The COVID Alert Phone App That They Were Exposed To A Person Diagnosed With COVID-19	2	2.60%
Have Close Contact With A Person With Clinically Compatible Illness Who Is Linked To A Confirmed Case Of COVID-19 Disease	1	1.30%
Travel Outside Of The US Or Canada	1	1.30%
Travel To Or Residence In An Area With Sustained, Ongoing Community Transmission Of Sars-Cov-2	1	1.30%

Delaware County

Exposure Risks For Past 7 Days	Risk Count	Percent of All Individuals Exposed
Have Close Contact With A Confirmed Or Probable Case Of COVID-19 Disease	72	80.90%
Attend Or Participate In A Mass Gathering Or Other Event (e.g. Wedding, Funeral, Concert, Party, Sporting Event, Contact Sport, Religious Gathering, etc.)	18	20.22%
Attend Or Work At A School (Pre-K To 12th Grade)	15	16.85%



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Exposure Risks For Past 7 Days	Risk Count	Percent of All Individuals Exposed
Spend Time At Any Business Establishments (e.g. Restaurants, Bars, Gym/Fitness Center, Movie Theaters, Salon/Barbershop)	13	14.61%
Travel Within The US Or Canada, Outside Of Pennsylvania	12	13.48%
Worked At, Visited, Or Stayed In A Healthcare Setting (e.g. Hospital / Long-Term Care / Rehab / Skilled Nursing Facility / Clinic / Personal Care Home)	9	10.11%
Attend Or Work At College Or University	7	7.87%
Member Of A Cluster Of Persons Under Investigation For 2019-Ncov	5	5.62%
Alerted By The COVID Alert Phone App That They Were Exposed To A Person Diagnosed With COVID-19	2	2.25%
Attend Or Work At A Child- Or Daycare	1	1.12%

Note: In addition to exposure risks, the most common pre-existing conditions reported during investigations include diabetes, hypertension and obesity. Pre-existing conditions may put individuals at an increased risk for severe illness.