



COVID-19 Monitoring Report

Most Current 7 Days: 07/23/2021–07/29/2021

Published: 07/30/2021

Introduction

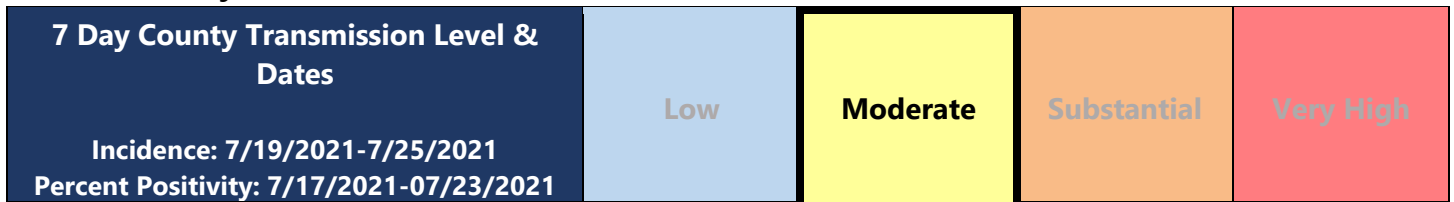
The data provided below are used to monitor COVID-19 in Chester County and Delaware County. Data is updated once a week. All data, including historical data, is updated each time this report is published as additional data becomes available through reporting and case investigations. Hence, data is considered provisional.

In this report: [Transmission Level](#) | [Incidence Rate](#) | [Percent Positivity](#) | [Vaccination](#) | [Test & Deaths](#)

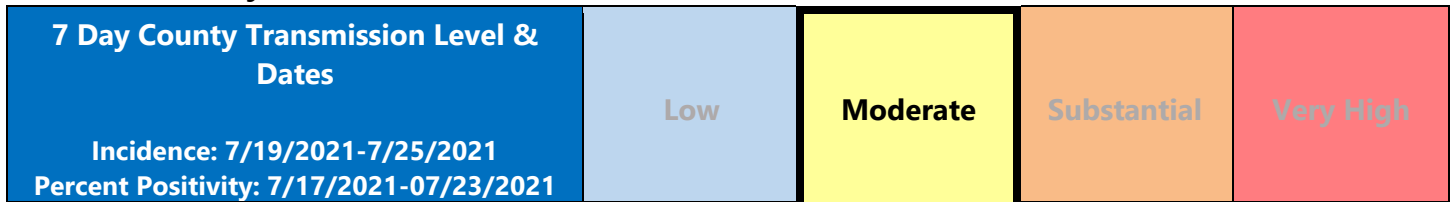
County Transmission Level

County transmission level is used to categorize overall transmission of COVID in Chester County. Incidence rate and percent positivity are used to determine the transmission level. Each are calculated for a 7 day period and assessed against standard ranges for each transmission level (see additional information at the end of the report). If the two data points suggest different transmission levels, the higher level is selected. Below is Chester County’s current transmission level as calculated by the Centers for Disease Control and Prevention (CDC). Please note the dates CDC uses for their calculation.

Chester County



Delaware County





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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
Week 1 (most current)	139	26.48
Week 2	94	17.91
Week 3	37	7.05
Week 4	28	5.33
Weeks 1-4 Average	74.50	14.19

Delaware County

7 Day Period	Positive Case Count	Incidence Rate per 100,000
Week 1 (most current)	227	40.05
Week 2	102	18.00
Week 3	51	9.00
Week 4	43	7.59
Weeks 1-4 Average	105.75	18.66

¹ Confirmed cases are those confirmed through a laboratory test.

² Chester County Population = 524,989 | Delaware County Population = 566,747



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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)	148	5,206	2.84%
Week 2	100	4,296	2.33%
Week 3	40	3,682	1.09%
Week 4	35	3,760	0.93%
Total for All Weeks	323	16,944	1.91%

Delaware County

7 Day Period	Positive PCR Tests Count	All PCR Tests Count	Percent PCR Positivity
Week 1 (most current)	240	7,434	3.23%
Week 2	111	6,165	1.80%
Week 3	61	5,296	1.15%
Week 4	55	5,344	1.03%
Total for All Weeks	467	24,239	1.93%



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Vaccination Levels

Vaccination levels are provided as of December 2020, when COVID-19 vaccine became available in Chester County. This data has been aggregated from data provided to the Pennsylvania Statewide Immunization Information System and Philadelphia Department of Public Health. It does not include individuals vaccinated in federal facilities (such as veteran’s hospital, or federal prison), and outside of Pennsylvania, hence, this data are estimates.

Chester County

	Population	Number of People Vaccinated ¹	Percent of Population Vaccinated ¹
All Eligible Ages ²	450,301	336,316	75%
Entire Population	524,989	336,316	64%

Delaware County

	Population	Number of People Vaccinated ¹	Percent of Population Vaccinated ¹
All Eligible Ages ²	500,671	348,123	70%
Entire Population	566,747	348,123	61%

¹ Partially or fully vaccinated. Includes individuals vaccinated in Philadelphia.

² Current eligible ages to receive COVID-19 vaccine is 12 years and older.



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Test Results and Deaths

Test result and death data have been collected since March 2020. Test results are classified as either positive or negative and include all types of tests. The table below provides a 7 day, 30 day, and cumulative of COVID test results and deaths.

Chester County

	Last 7 Days	Last 30 Days	Cumulative ¹
Positive Tests	139	309	34,015
Negative Tests	1,855	6,554	232,350
Deaths	-	1	820

¹ Since March 2020.

Delaware County

	Last 7 Days	Last 30 Days	Cumulative ¹
Positive Tests	227	435	46,192
Negative Tests	2,249	8,305	266,884
Deaths	2	8	1,474

¹ Since March 2020.

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Additional Information on County Transmission Level

The below table provides the ranges for incidence rate and positivity rate used to determine COVID transmission levels, and the overall approach used to prevent further transmission. Please see CDC's [COVID Data Tracker](#) for more detailed data from all areas of Pennsylvania and the U.S.

County Transmission Level	7-Day Incidence Rate per 100,000	7-Day Percent Positivity	Overall Approach
Low	<10	<5.0%	Largely through individual prevention behaviors and public health's identification and isolation of cases and clusters.
Moderate	10-49	5.0% - 7.9%	Adherence to individual and selected community level prevention strategies
Substantial	50 - 99	8.0% - 9.9%	Limiting of some everyday activities to limit contact between individuals
Very High	≥100	≥10%	Significant limiting of a variety of activities to limit contact between individuals and preserve essential community activities and services