



# Chester County COVID-19 Monitoring Report

Most Current 7 Days: 08/13/2021–08/19/2021

Published: 08/20/2021

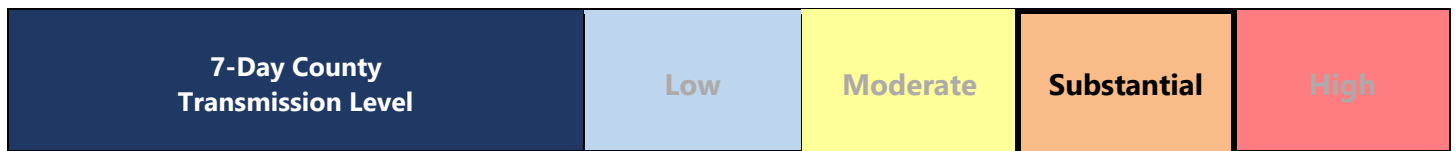
## Introduction

The data provided below are used to monitor COVID-19 in Chester 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 the overall transmission of COVID-19 in Chester County. Both incidence rate and percent positivity are considered in determining 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 Chester County Health Department and Pennsylvania Department of Health. The transmission level calculated by the Centers for Disease Control and Prevention (CDC) may differ based upon the inclusion of probable cases and which date field is used in the calculation.



## 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 confirmed<sup>1</sup> cases by the population<sup>2</sup> 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.

7 Day Period	Positive Case Count	Incidence Rate per 100,000	Additional Data
Week 1 (most current)	420	80.00	<a href="#">Local Incidence Rates</a>
Week 2	361	68.76	
Week 3	267	50.86	
Week 4	136	25.91	
Weeks 1-4 Average	296.00	56.38	

<sup>1</sup> Confirmed cases are those confirmed through a laboratory test.

<sup>2</sup> Chester County Population = 524,989



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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.

7 Day Period	Positive PCR Tests Count	All PCR Tests Count	Percent PCR Positivity
Week 1 (most current)	471	8,884	5.30%
Week 2	387	8,309	4.66%
Week 3	273	6,842	3.99%
Week 4	142	5,208	2.73%
Total for All Weeks	1,273	29,243	4.35%

## New Cases by Age

AGE	#Past 7 Days	% Past 7 Days	AGE	#Past 30 Days	% Past 30 Days	AGE	# Cumulative	% Cumulative
0-9	32	7.62%	0-9	104	8.48%	0-9	1,506	4.29%
10-19	56	13.33%	10-19	172	14.03%	10-19	4,982	14.21%
20-29	63	15.00%	20-29	219	17.86%	20-29	6,583	18.77%
30-39	67	15.95%	30-39	183	14.93%	30-39	4,753	13.55%
40-49	71	16.90%	40-49	183	14.93%	40-49	4,590	13.09%
50-59	65	15.48%	50-59	164	13.38%	50-59	5,379	15.34%
60-69	35	8.33%	60-69	114	9.30%	60-69	3,586	10.23%
70-79	25	5.95%	70-79	51	4.16%	70-79	1,821	5.19%
80-89	5	1.19%	80-89	23	1.88%	80-89	1,187	3.39%
100-109	1	0.24%	90-99	11	0.90%	90-99	657	1.87%
<b>Total</b>	<b>420</b>	<b>100.00%</b>	100-109	1	0.08%	100+	20	0.06%
			Unknown	1	0.08%	Unknown	2	0.01%
			<b>Total</b>	<b>1226</b>	<b>100.00%</b>	<b>Total</b>	<b>35,066</b>	<b>100.00%</b>



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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.

Age Group	# Partially Vax	# Fully Vax	# At Least 1 Vax <sup>1</sup>	Age Population	% Partially Vax	% Fully Vax	% At Least 1 Vax <sup>1</sup>
Age <10	0	0	0	59,767	0%	0%	0%
Age 10-14	3,035	9,140	12,175	36,210	8%	25%	34%
Age 15-19	3,975	19,989	24,467	37,079	11%	54%	66%
Age 20-24	2,765	16,224	19,889	32,756	8%	50%	61%
Age 25-34	5,228	33,941	41,290	60,414	9%	56%	68%
Age 35-44	5,238	42,141	49,881	65,560	8%	64%	76%
Age 45-54	5,060	46,668	54,047	70,439	7%	66%	77%
Age 55-59	2,728	26,349	30,114	39,292	7%	67%	77%
Age 60-64	2,694	26,409	29,879	36,118	7%	73%	83%
Age 65-74	4,559	42,671	48,352	50,678	9%	84%	95%
Age 75-84	2,249	22,664	25,391	25,346	9%	89%	100%
Age 85+	1,244	8,970	10,347	11,330	11%	79%	91%
<b>Total</b>	<b>38,775</b>	<b>295,166</b>	<b>345,830</b>	<b>524,989</b>	<b>7%</b>	<b>56%</b>	<b>66%</b>

<sup>1</sup> Partially or fully vaccinated. Includes individuals vaccinated in Philadelphia.

Age Group	# Partially Vax	# Fully Vax	# At Least 1 Vax <sup>1</sup>	Age Population	% Partially Vax	% Fully Vax	% At Least 1 Vax <sup>1</sup>
≥ 12 Years	38,775	295,166	345,830	450,738	9%	65%	77%
≥ 18 Years	35,740	286,026	333,655	407,023	9%	70%	82%
<b>Total</b>	<b>38,775</b>	<b>295,166</b>	<b>345,830</b>	<b>524,989</b>	<b>7%</b>	<b>56%</b>	<b>66%</b>

<sup>1</sup> Partially or fully vaccinated. Includes individuals vaccinated in Philadelphia.



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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 count of COVID test results and deaths.

	Last 7 Days	Last 30 Days	Cumulative <sup>1</sup>
Positive Tests	420	1,226	35,066
Negative Tests	2,848	10,864	240,793
Deaths	-	-	826

<sup>1</sup> Since March 2020.

## 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
High	≥100	≥10%	Significant limiting of a variety of activities to limit contact between individuals and preserve essential community activities and services