

Warren County, New Jersey

COVID-19 Report

02/10/21



COVID-19 Summary Updates

- Case total up to 5,648. 211 cases added over the last week.
- Averaging 30 cases per day, down from 40 per day last week.
- Reporting 6 new additional deaths, including 1 LTCF resident.
- 5 active LTCF outbreaks. Warren Haven closed out their outbreak this week.
- 4 active school outbreak.
- 1 daycare outbreak.
- 1 university-related outbreak.
- Averaging 129 tests per day over the last week. Down from last week at 203 tests per day.
- Percent positivity 15%, up from last week at 13.8%
- 5 COVID19 patients in ICU at Warren County hospitals.
- 17 additional COVID19 hospitalizations at Warren County hospitals.
- Frelinghuysen at 160 cases, but holding with 80 in LTC.



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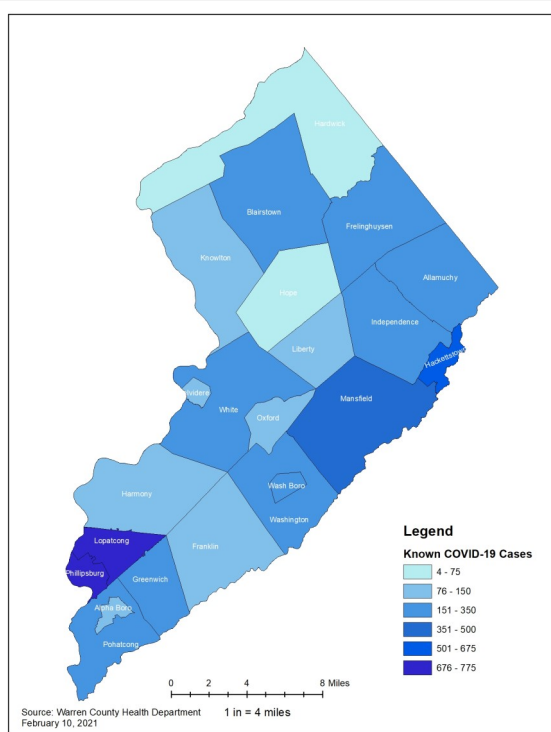
Warren County COVID-19 Cases at a Glance

The first case of COVID-19, caused by novel coronavirus (SARS COV-2) in Warren County was identified on March 17, 2020. Since then, cases have been identified in all 22 municipalities.

As cases are reported to the Warren County Health Department, they are investigated as quickly as possible. Cases are interviewed about their symptoms, risk factors, and close contacts, including their place of employment and coworkers when applicable. Beginning April 24, the case definition for novel coronavirus expanded to include “probable” cases. In most cases, these probable cases will not be confirmed by laboratory results.

Advice is given to all confirmed and probable cases regarding their own self-isolation and investigators notify close contacts of their risk and advise them on 14-day quarantine measures.

Heat Map: Known Covid-19 Case Counts
by Municipality as of 02/10/2021



[Click the map to view online](#)

Known COVID-19 Cases by Municipality
Warren County, NJ as of 02/10/2021

Municipality	Confirmed COVID-19 Cases	Confirmed COVID-19 LTCF Cases	Probable COVID-19 Cases	Known Recoveries
Allamuchy	194	7	49	173
Alpha	110	0	4	104
Belvidere	115	1	19	112
Blairstown	271	0	51	260
Franklin	119	0	8	112
Frelinghuysen	160	80	29	135
Greenwich	311	0	19	294
Hackettstown	667	48	149	606
Hardwick	48	0	20	40
Harmony	104	0	5	93
Hope	66	0	11	63
Independence	203	0	59	183
Knowlton	150	28	11	142
Liberty	96	0	17	85
Lopatcong	761	198	35	671
Mansfield	436	56	69	395
Oxford	86	0	12	82
Phillipsburg	766	5	33	716
Pohatcong	193	0	7	178
Washington Borough	333	1	45	316
Washington Township	262	0	33	246
White	197	33	29	169
Total:	5,648	457	714	5,175
Total COVID-19-Related Deaths:	189	140	16	

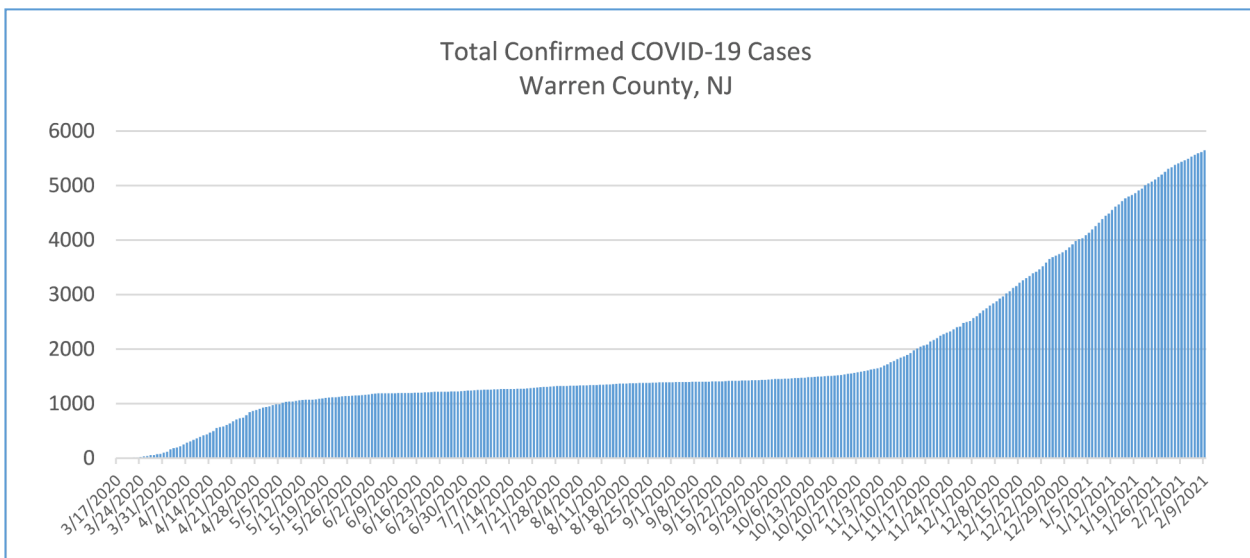
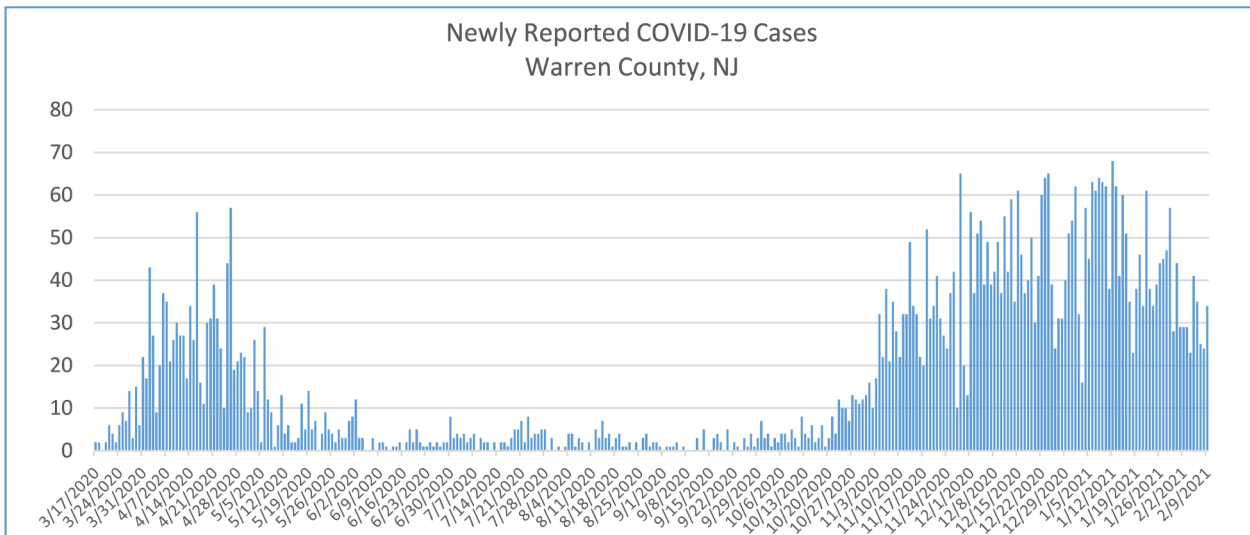
457 (8%) of COVID-19 cases are residents of Long-Term Care Facilities (LTCFs); there are currently 5 active outbreaks at facilities in Warren County.

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Epidemic Curves

There are now 5,648 confirmed COVID-19 cases in Warren County. An average of 30 cases per day have been reported in the past 7 days.



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Probable Cases

Beginning April 24, the case definition for COVID-19 adopted by the New Jersey Department of Health was expanded to include “probable” cases; these cases must meet certain clinical and epidemiologic criteria in order to be classified as such. Most commonly, an untested, symptomatic household member of a lab-confirmed case is now classified as a “probable” COVID-19 case. Expanding this definition will allow us to have a fuller understanding of the overall number of illnesses during this pandemic. The most recent update to the case definition was made in August. A summary of the new case definition is listed below—

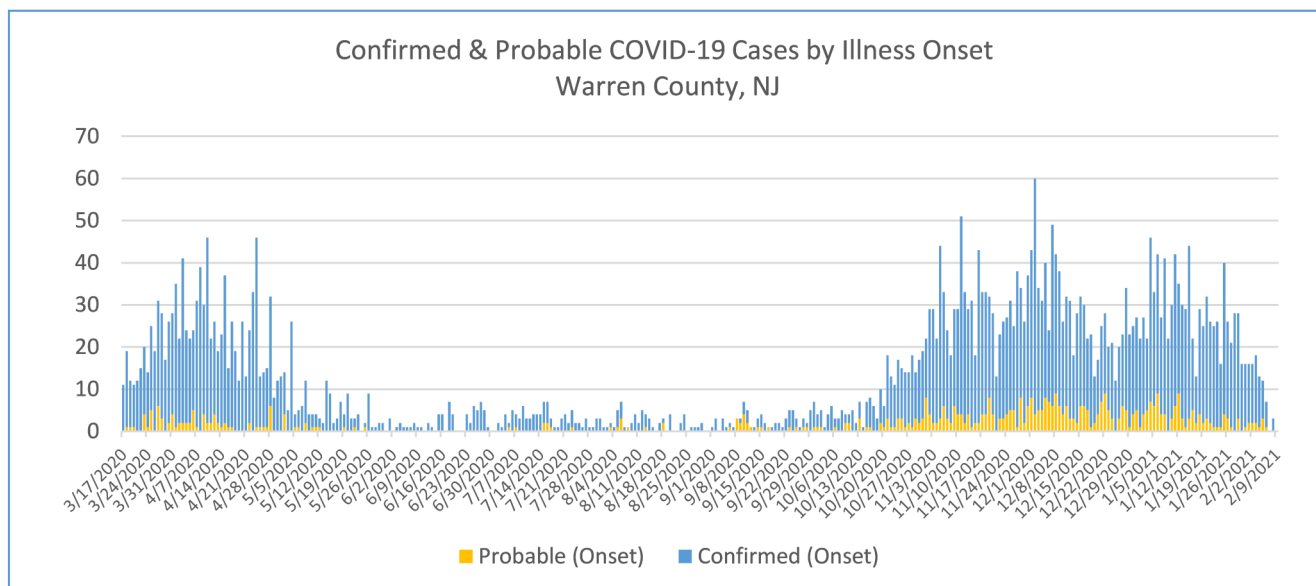
Confirmed

- Meets confirmatory laboratory evidence.

Probable

- Meets presumptive laboratory evidence.
- Meets clinical criteria* **AND** epidemiologic evidence with no confirmatory laboratory testing performed for SARS-COV-2.
- Meets vital records criteria with no confirmatory laboratory evidence for SARS-COV-2.

Clinical criteria include: at least two of the following symptoms: fever (measured or subjective), chills, rigors, myalgia, headache, sore throat, nausea or vomiting, diarrhea, fatigue, congestion or runny nose **OR any one of the following symptoms: cough, shortness of breath, difficulty breathing, new olfactory disorder, or new taste disorder **OR** severe respiratory illness with at least one of the following: clinical or radiographic evidence of pneumonia or acute respiratory distress syndrome (ARDS).*

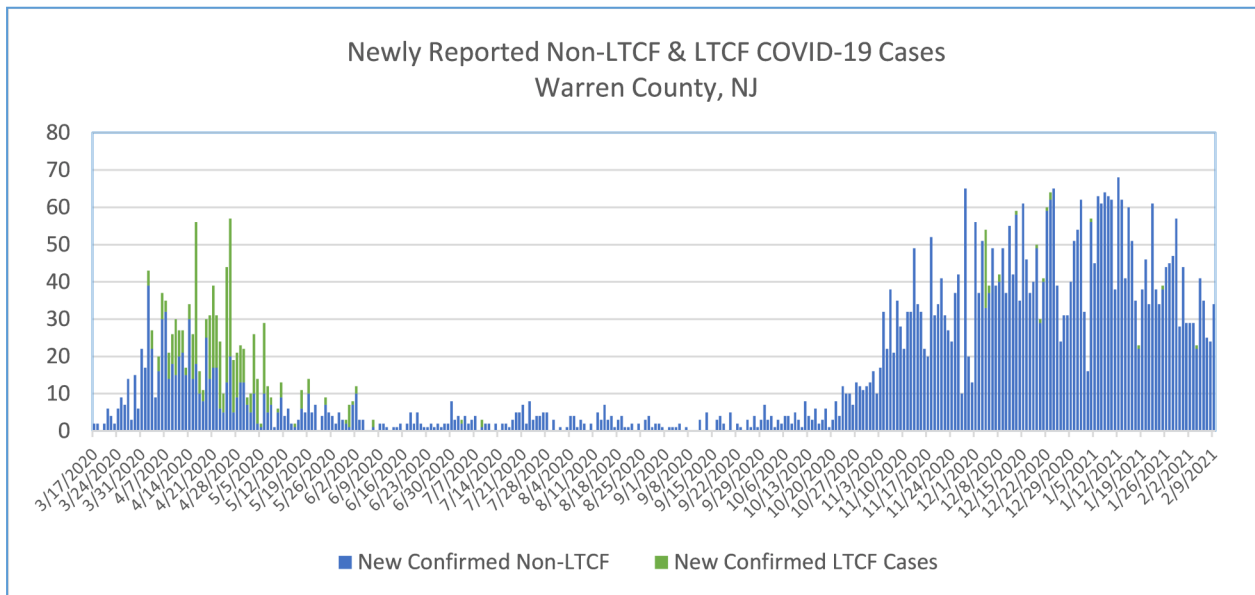
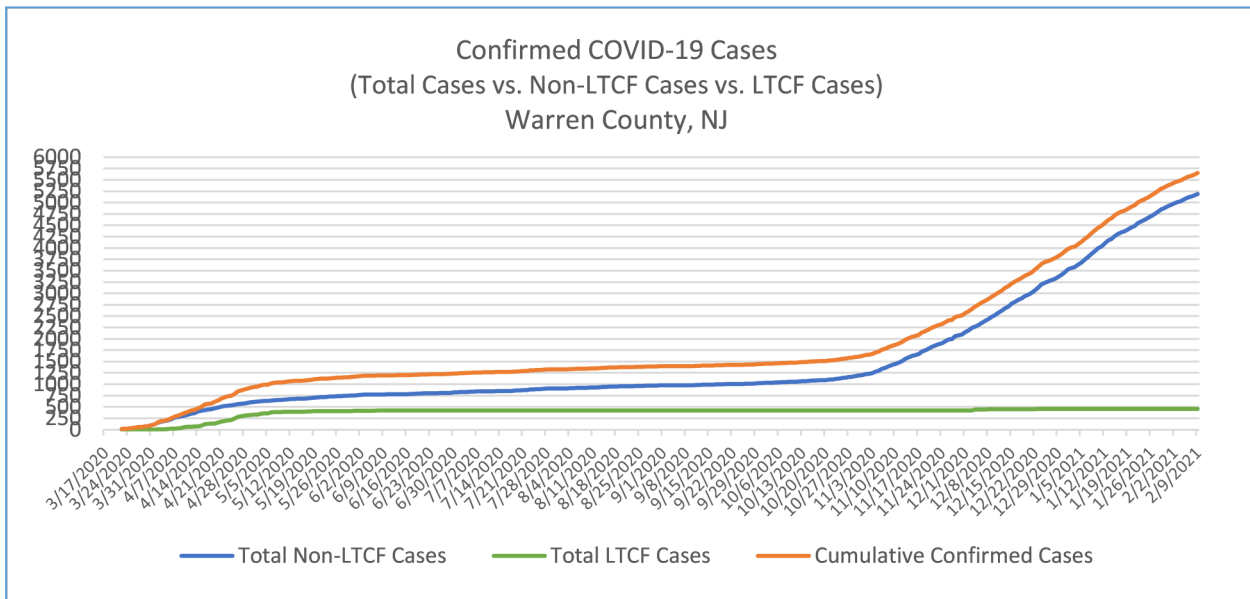


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COVID-19 Cases—Non-LTCF Residents vs. LTCF Residents

Currently, 8% of Warren County’s COVID-19 cases are residents of Long Term Care Facilities (LTCFs). The chart below plots newly reported non-LTCF resident COVID-19 cases and LTCF resident COVID-19 cases. The reporting of new non-LTCF resident COVID-19 cases appears to have peaked in early to mid April; our local LTCFs have conducted facility-wide testing in different intervals, which introduces challenges in interpreting the data. It does appear, however, that the LTCF peak period spans the last two weeks of April. Beginning May 26, all LTCFs were mandated to conduct facility-wide testing, including staff. Some of these cases may be out-of-county or out-of-state staff members who are not counted in the Warren County case totals.

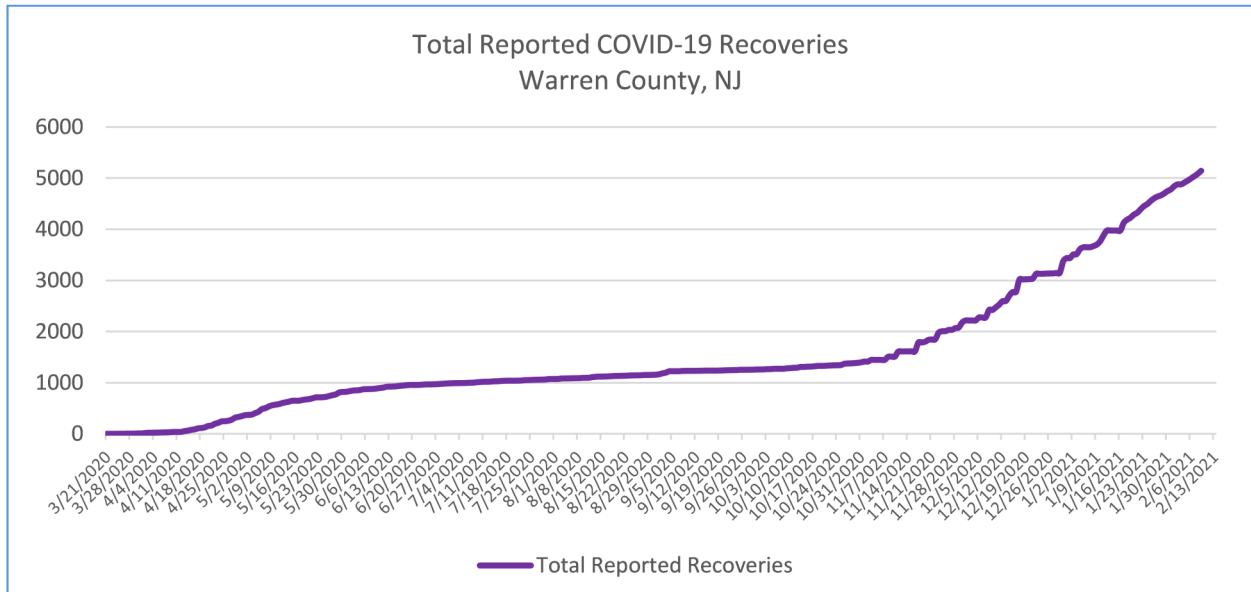


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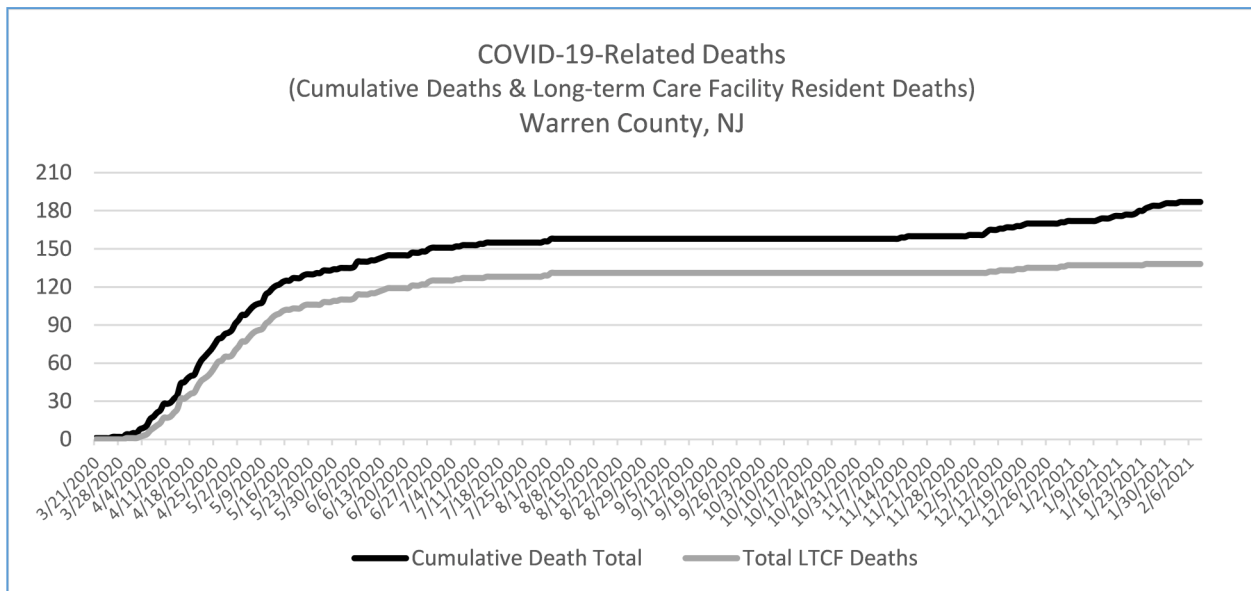


Self-Reported COVID-19 Case Recoveries

Recoveries are generally self-reported, but information on recoveries is also provided by care providers and long-term care facilities. On July 6, NJDOH began using a new software tool for case investigation and contact-tracing; Warren County Health Department is currently updating the way that information on recoveries is recorded and some historical data will be added in the coming weeks.



COVID-19-Related Deaths

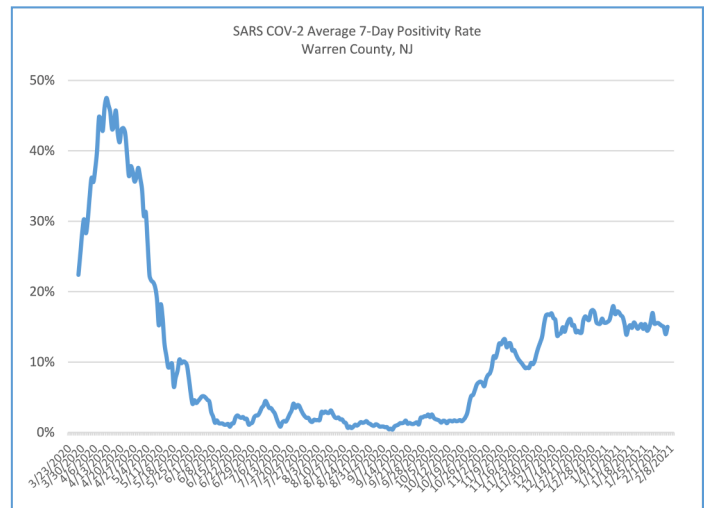
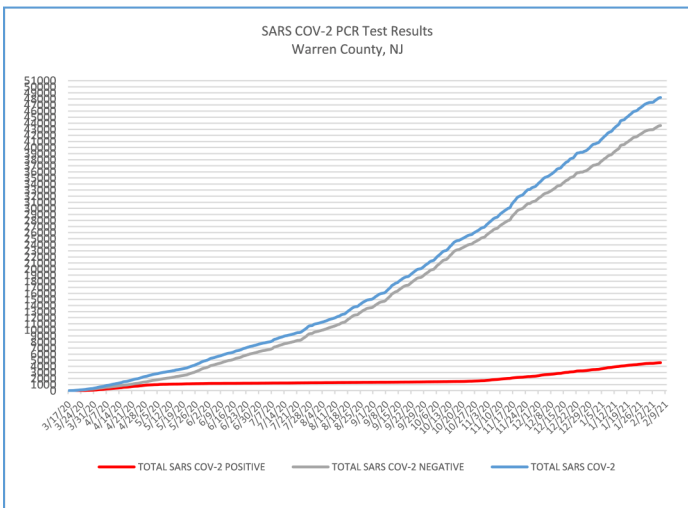


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Testing Rates

As of February 6, WCHD has received 48,240 SARS COV-2 test results; 10% (4,614) positive and 90% (43,626) negative. In the past seven days, an average of 129 tests per day have been collected from Warren County residents. The chart “SARS COV-2 Average 7-Day Positivity Rate” shows the average percent positivity over the previous seven days. At the outbreak’s height, Warren County residents reached a maximum average of 47% percent positivity. As of February 6, percent positivity is 15%.



Descriptive Statistics

The table below shows a summary of descriptive statistics for confirmed COVID-19 cases reported in the past seven days, all confirmed COVID-19 cases, and all confirmed COVID-19-related deaths.

Descriptive Statistics for Confirmed COVID-19 Cases Warren County, NJ			
	<i>Last 7 days</i>	<i>All Confirmed COVID-19 Cases</i>	<i>All Confirmed COVID-19-Related Deaths</i>
Mean Age (years)	44	46	83
Median Age (years)	47	47	86
Min Age (years)	10mo	1mo	41
Max Age (years)	88	102	102
Case Count	211	5,648	189
Male	41%	46%	40%
Female	59%	54%	60%

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Incidence and Case Fatality Rates: How does Warren County compare?

While the total number of COVID-19 cases and associated deaths may seem low overall, the population of the county is also smaller than many of the counties in the northern part of the state. Warren County is generally less densely populated than the counties to the east, but the burden of illness and disease has still been high.

As of February 10, Warren County's crude case fatality rate (CFR; the proportion of COVID-19 cases who have died in comparison to the total number of cases, not adjusted for age or other confounding factors) is 3.3%; the seventh highest in the state. The CFR for New Jersey overall is 3.1%.

The current burden of disease can be assessed by understanding the cumulative incidence rate, or number of cases per 100,000 people in the population during the pandemic; this gives us an idea of the proportion of people who are being affected. As of February 10, Warren County's crude incidence rate was 5,300 cases per 100,000, ranking 17 out of 21 counties despite ranking 19 out of 21 in population size. For reference, as of February 10, the crude incidence across the state was 7,321 cases per 100,000 people.

COVID-19 Age-Stratified Incidence & Case-Fatality Rates - Warren County, NJ 2/10/2021

Age Group	Cases Reported 2/1-2/9	Total Population	Incidence Rate per 100,000	Overall CFR	Non-LTCF CFR	LTCF CFR
<5 years	4	4,871	1129.13	0%	0%	0%
5-19 years	44	19,436	3179.67	0%	0%	0%
20-44 years	82	30,143	6578.64	0%	0%	33%
45-64 years	85	33,607	5516.71	1%	0%	18%
65+ years	52	18,236	6158.15	15%	6%	32%
Total	267	106,293	5299.50	3%	1%	31%

The table above also shows that the population of Warren County has not been affected equally among all age groups or by LTCF residents. The incidence rate for all residents over age 65 is higher than for all other age groups. Similarly, the CFR among LTCF residents over age 65 is 32% versus 6% for those in that age group who are not LTCF residents. For LTCF residents overall, 31% of those diagnosed with COVID-19 have died.

For comparison, [according to the CDC](#) the U.S. 2017-18 influenza season, which was characterized as a severe season, resulted in approximately 45,000,000 infections and an estimated 61,000 deaths; that equates to a crude incidence rate of 13,709 cases per 100,000 people and a CFR of 0.13%. Furthermore, approximately 1.3% of influenza cases required hospitalization during that season.