

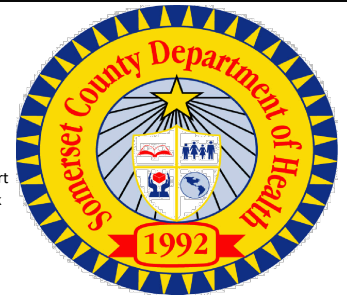


COVID-19 Weekly Report

Somerset County Department of Health

Namitha Reddy, Director / Health Officer

www.co.somerset.nj.us/health 908-231-7155



This report provides a snapshot of COVID 19 activity and reporting for Somerset county. Included in this report is data from various disease surveillance systems utilized by Somerset County Department of Health to track and monitor COVID-19 activity. This report is intended for use by public health partners only and is not for public distribution. Data used in this report are preliminary and are subject to change.

As of Week Ending January 9, 2021

COVID-19 Countywide Activity Level

Region ¹	Current Activity Level	COVID-19 Activity Level Index (CALI)			
		Case Rate ²	Percent CLI ³	Percent Positivity ⁴	CALI Score ⁵
New Jersey	High	57.39	6.12	12.06	3
Central West	High	46.37	5.68	9.85	3
Somerset County	High	28.92	5.80	10.99	3

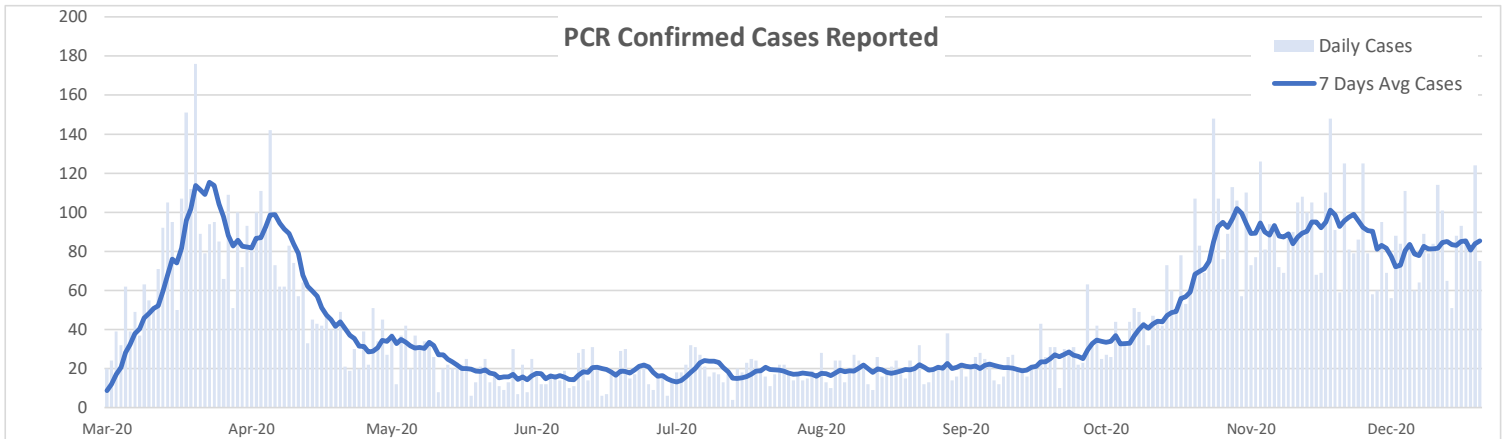
Low - CALI Score = 1
Moderate - CALI Score = 2
High - CALI Score = 3
Critical - CALI Score = 4

12/27/2020	12/28/2020	12/29/2020	12/30/2020	12/31/2020	01/01/2021	01/02/2021	01/03/2021	01/04/2021	01/05/2021	01/06/2021	01/07/2021	01/08/2021	01/09/2021
------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------

PCR Confirmed Cases 13514	Total Deaths Reported 611	Confirmed Cases Last Week Deaths Reported Last Week	598 14
--	--	--	-------------------------

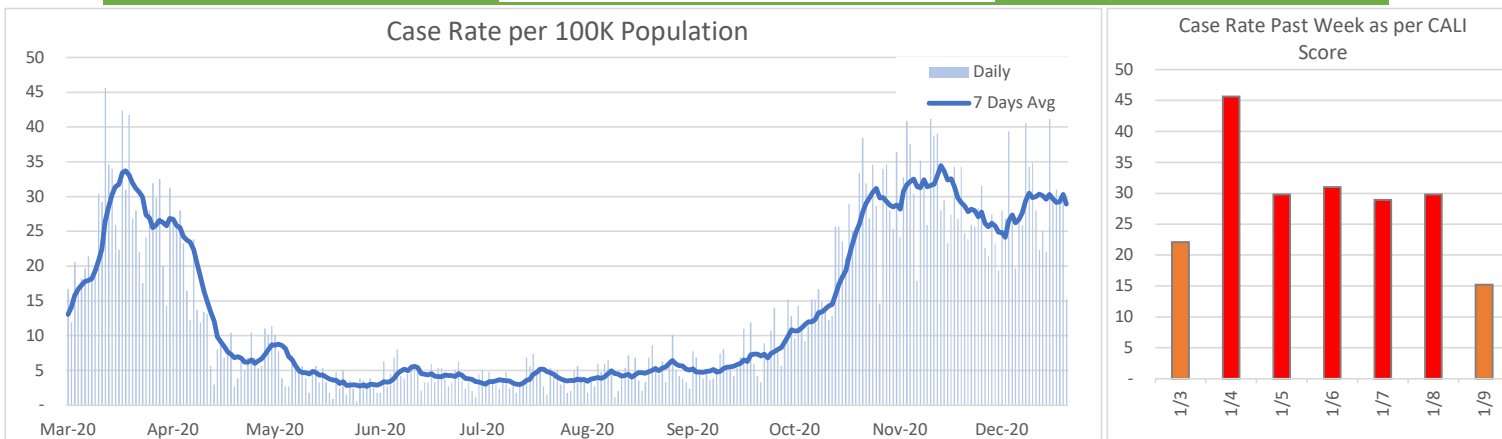
Case Data Collected from CDRSS

Daily Cases and Deaths - Historical Timeline

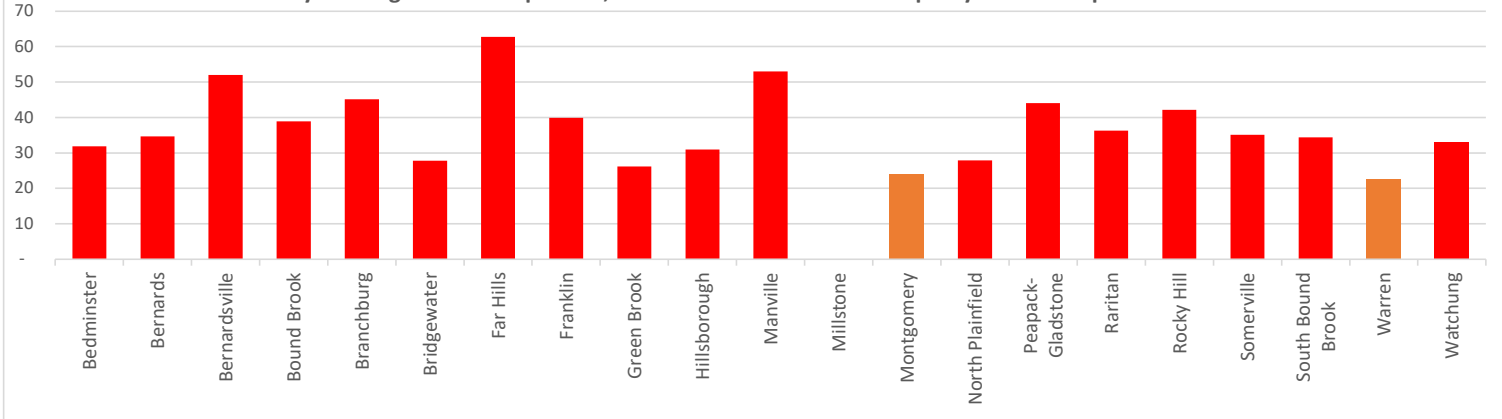


COVID-19 Countywide Activity Historical Data

Case Rate Historical Timeline and Current Trend²

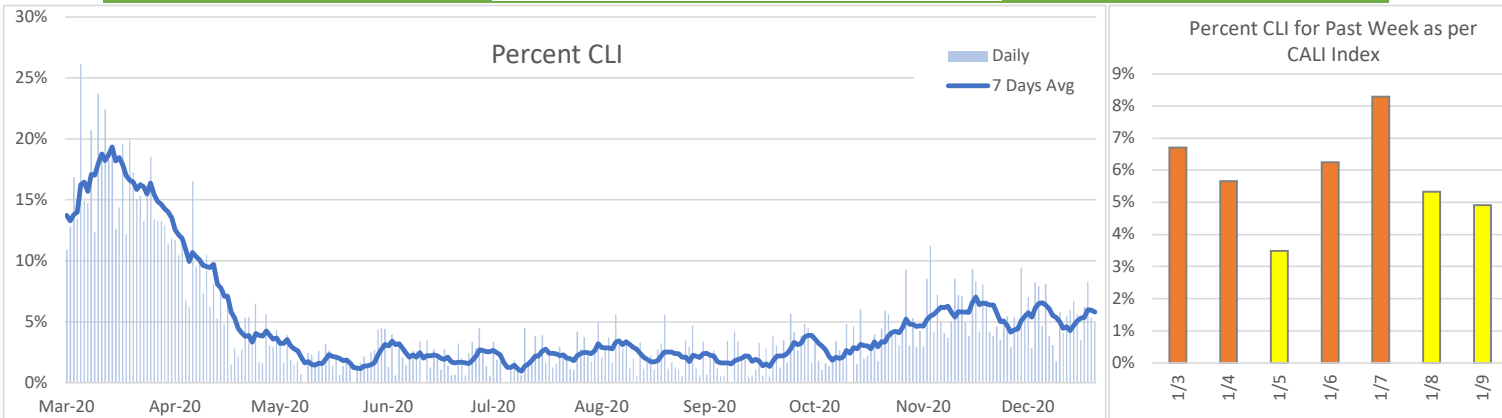


Past 7 days Average Case Rate per 100,000 residents for each Municipality marked as per CALI Index



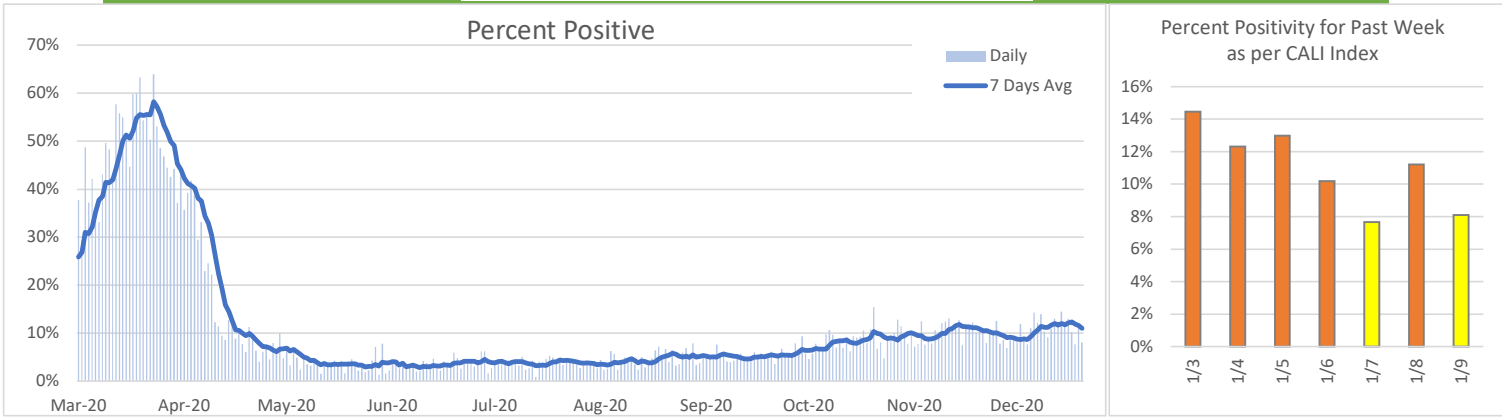
Population Data as per 2018 Census

Percent CLI - Historical Timeline and Current Trend³



Data source Epicenter

Percent Positivity - Historical Timeline and Current Trend⁴

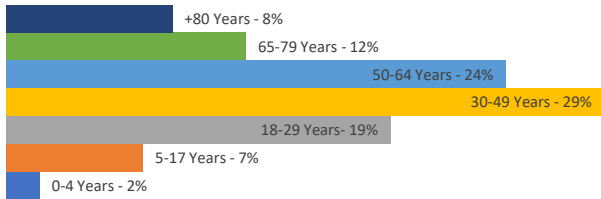


Data based on Lab results available on CDRSS

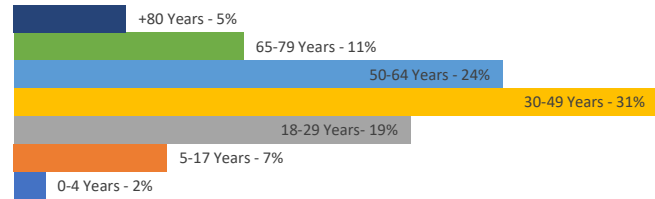
COVID-19 Countywide Activity - Breakdown per demographic

Cumulative Cases and Deaths - By Age

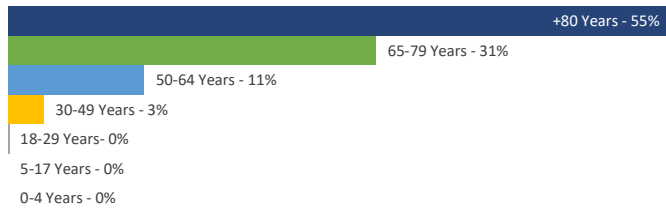
Case breakdown by Age - Somerset County



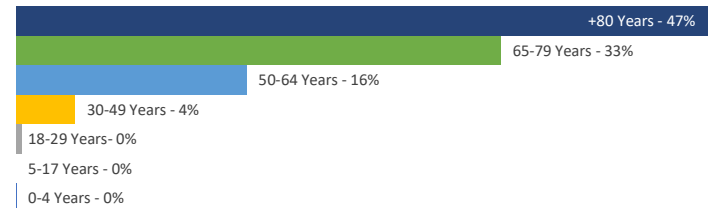
Case breakdown by Age - NJ State



Deaths by Age - Somerset County

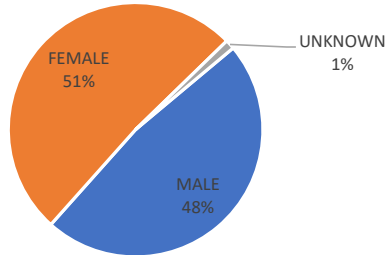


Deaths by Age - NJ State

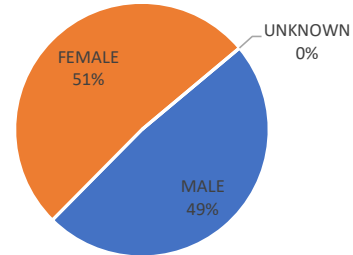


Cumulative Cases - By Gender

Cases by Gender - Somerset County

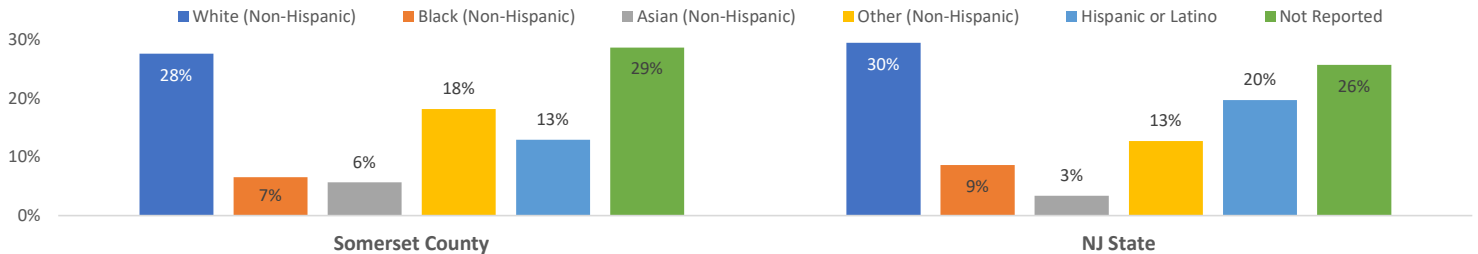


Cases by Gender - NJ State



Cumulative Cases - By Race/Ethnicity

All Cases by Race/Ethnicity



Footnotes:

1. Region is categorized in 3 sections. Entire New Jersey State, Central West which represents counties Hunterdon, Mercer & Somerset. Somerset County includes 21 municipalities as per following: Bedminster township, Bernards township, Bernardsville borough, Bound Brook borough, Branchburg township, Bridgewater township, Far Hills borough, Franklin township, Green Brook township, Hillsborough township, Manville borough, Millstone borough, Montgomery township, North Plainfield borough, Peapack-Gladstone borough, Raritan borough, Rocky Hill borough, Somerville borough, South Bound Brook borough, Warren township, Watchung borough

2. Case rate is the daily new COVID cases for every 100,000 population. Data source CDRSS and 2018 Census

3. COVID-like illness (CLI) is defined as fever and cough or dyspnea (shortness of breath, difficulty breathing, etc) or the presence

4. Percent positivity is the percent of total positive COVID-19 PCR tests out of all COVID-19 PCR tests performed. Percent positivity is

5. The COVID-19 Activity Level Index (CALI) Score is calculated as described below:

a. In each region, each indicator is assigned a value based on the activity range it falls into. Activity thresholds and their values are defined in Table 1 below.

b. Next, the values are averaged together. This rounded average gives the CALI Score which corresponds to the final activity level as shown in below Table 2.

Table 1: COVID-19 Activity Level Index (CALI)^{5A}

	Value	Case Rate ²	Percent CLI ³	Percent Positivity ⁴
Low	1	< 1	< 1.68%	< 3%
Moderate	2	1.01 - 10	1.68 - 5.51%	3 - 10%
High	3	10.01 - 25	5.52 - 13.08%	10.01 - 20%
Critical	4	> 25	> 13.08%	> 20%

Table 2: COVID-19 Activity Level Index (CALI)^{5B}

Legend	Final Activity Level	CALI Score
Green	Low	1
Yellow	Moderate	2
Orange	High	3
Red	Critical	4

Activity thresholds are adapted from:

- The U.S. Influenza Surveillance System Methods: <https://www.cdc.gov/flu/weekly/overview.htm>
- CDC COVID-View: <https://www.cdc.gov/coronavirus/2019-ncov/covid-data/covidview/index.html>
- COVID-Act Now: <https://covidactnow.org/?s=856166>

For more information on how to protect yourself from COVID-19, see <https://covid19.nj.gov/>