

July 9, 2020

## COVID-19 case information

Location	Current Cases	Total Cases	Deaths
Global	-	11,874,226	545,481*
United States	-	3,047,671	132,056†
New Jersey	-	174,240	13,501‡
Morris County	-	6,864	663‡
Montville	2	236	§

\* As reported by WHO on <https://covid19.who.int/>

† As reported by CDC on <https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/cases-in-us.html>

‡ Confirmed deaths, as reported by NJDOH on [https://www.nj.gov/health/cd/topics/covid2019\\_dashboard.shtml](https://www.nj.gov/health/cd/topics/covid2019_dashboard.shtml)

§ Per NJ Office of Vital Statistics and Registry, local health departments remain prohibited from disclosing the number of deaths in a municipality due to a specific cause

## COVID-19 basics

- COVID-19: (Coronavirus Disease 2019) vs other coronavirus pandemics:
  - COVID-19 – 2020 (Global): 11,874,226 cases, 545,481 deaths, CFR = 4.6%
  - COVID-19 – 2020 (United States): 3,047,671 cases, 132,056 deaths, CFR = 4.3%
  - COVID-19 – 2019 (Outside of the US): 98,000 cases, 3300 deaths, CFR = 3.42%
  - MERS – 2012: 2500 cases, 858 deaths, CFR = 34%
  - SARS – 2003: 8,000 cases, 774 deaths, CFR = 9.5%
- Incubation period: 2 to 14 days
- Main Symptoms:
  - Respiratory: fever (100.4 or above), cough, and shortness of breath
- Other symptoms:
  - Chills, shaking with chills, muscle pain, headache, sore throat, loss of taste/smell, congestion, runny nose, nausea, vomiting, and diarrhea
- Thought to spread through:
  - Coughs/sneezes
  - Touching surfaces with live virus on it, then touching eyes, nose, mouth
  - Close contact with ill persons
- Treatment:
  - No specific treatment – several being investigated
  - Treat the symptoms at home with OTC medications, rest, fluids
  - Severe symptoms may require treatment in hospitals

## Preventing the spread of COVID-19

- Identifying and isolating lab-confirmed positive cases
- Identifying and quarantining household and close contacts of lab-confirmed positive cases
- Non-pharmaceutical interventions (NPIs) to limit/prevent spread of disease
  - Personal NPIs
    - Handwashing
    - Minimizing hand contact with eyes, nose, mouth
    - Respiratory etiquette
    - Self-isolation at home if sick
    - Avoid others who are sick

- Masks recommended for ill persons and those who are directly caring for an ill person
  - Masks recommended for use in public
- Community NPIs
  - Social distancing
  - Closures of facilities where people gather, cancellation of public events
- Environmental NPIs
  - Cleaning that helps eliminate viruses from frequently-touched surfaces
    - Use products that kill viruses
    - Use products per label instructions
    - Ensure staff understand safe handling/application
    - Clean with these products at recommend frequency

## COVID-19 response

- CDC response (per <https://www.cdc.gov/budget/documents/covid-19/CDC-247-Response-to-COVID-19-fact-sheet.pdf>)
  - Established COVID-19 Incident Management System on January 7, 2020.
  - Activated its Emergency Operations Center on January 21, 2020.
  - More than 2,600 staff are supporting the response.
  - Deployed multi-disciplinary teams to support state health departments in case identification, contact tracing, clinical management, and public communications.
  - Issued travel guidance, clinical guidance, guidance for long-term care facilities and other settings, and guidance on the use of PPE during a shortage.
  - Responded to more than 300 daily inquiries from various public health partners.
  - Developed a COVID-19 diagnostic test and equipped state and local public health labs with testing capacity.
  - Direct funds to public health organizations to assist them in meeting surges.
  - Direct funds to public health organizations for surveillance, epidemiology, lab capacity, infection control, mitigation, communications, and other preparedness and response activities.
- State Government response
  - Declared a State of Emergency on March 9, 2020.
  - Subsequently issued multiple Executive Orders and Administrative Orders closing the majority of non-essential businesses and facilities, restricting operations of essential businesses, and restricting social movement in public. Executive Orders are enforced by police departments.
- NJDOH response
  - NJDOH COVID-19 Dashboard.
  - Providing technical assistance and guidance to local HDs, schools, healthcare facilities, long-term care facilities and others.
  - Clinical guidance to healthcare facilities and healthcare providers.
  - Providing guidance to state officials to help guide state-wide orders to protect public health.
  - Issuing Executive Directives in conjunction with Executive Orders as needed. NJDOH Executive Directives are enforced by Local Health Departments.
- Morris County Office of Health Management response
  - Coordinating information and supplies between NJDOH and local HDs.
  - Providing support and guidance to local HDs.
  - Coordinating with County OEM on protection of first responders throughout County.
  - Set up/run test site at Morris County Community College in Randolph.
  - As a County LINCS agency, will coordinate Morris County CommCare contact tracing corps

- Montville Health Department response
  - CDRSS cases
    - Case investigation, including health history and detailed movements for 2 days prior to onset of symptoms.
    - Contact tracing of close contacts and household contacts.
    - Instructions given for isolation of case and quarantine of close/household contacts.
    - Frequent health monitoring throughout entire isolation/quarantine periods.
    - Isolation – separating sick people from those who are well.
    - Quarantine – separating and restricting the movement of those who were exposed but have not yet become sick.
  - Dispensing information on cases, news, and guidance to businesses and residents via:
    - Township website – Health Department COVID page (Health Department).
    - Nixle system (OEM).
    - Newspapers and online local news outlets (OEM).
    - Electronic display boards at Township Building and Police HQ (OEM).
    - Posting of notices in Township buildings (Health Department and OEM).
    - Mailings (Health Department and OEM).
  - Provided guidance to other Township agencies and departments.
  - Developed/distributed information fliers to businesses and Township facilities throughout the Township with information on COVID-19, social distancing, and adherence to Executive Orders.
  - Developed/distributed orders of closure to Township facilities that were closed by Township orders.
  - Developed protocols for health monitoring and infection control for employees in Township buildings, for employees working in the field, for the return of employees to Township buildings after being on reserve, for employees working in the animal shelter, and for intake of animals at the shelter.
  - Developed protocols with OEM for the partial reopening of the Municipal Building to the public. The building will be open to the public for limited hours on limited days. Members of the public will be limited to 3 total in the building at any given time, for 30 minutes maximum each person. All members of the public will check in at the foyer, contribute name and contact information, and be screened for temperature and symptoms by foyer attendant. Foyer attendant will notify the appropriate department, and that department will decide if the member of the public must enter past the foyer. Assisting members of the public while they remain in the foyer is the preferred method and will be highly encouraged. Members of the public will be encouraged to continue to conduct as much business as possible online, over the phone, by mail, and via the yellow drop-box in the parking lot.
- Authority
  - If the Governor declares a state of emergency, the state government has overall authority and issues directives via Executive Orders and Administrative Orders that all county, regional, and municipal governments must comply with and cannot deviate from, and which are enforced by law enforcement agencies.
  - If the Governor declares a public health emergency, NJDOH has overall authority over public health response. They issue directives via Executive Directives that local health departments must comply with and enforce as they are written, and which are enforced by county, regional, and local health departments.
  - If the Governor does not declare a public health emergency, NJDOH or local Boards of Health and Health Departments have overall authority over public health response.

- Health Officers direct the Health Department response to the emergency in accordance with already-established plans and protocols, any Executive Orders or Administrative Orders from the Governor, and any Executive Directives from NJDOH.
- Local Boards of Health can declare and define a nuisance in all public or private places within its jurisdiction.
- Local Boards of Health can prohibit or remove any nuisance and all causes of disease that are injurious to the health of the inhabitants therein.
- Local Boards of Education have the authority to open or close a public school. The owners of a private school has the authority to open or close it. NJ Division of Children and Families (NJDCF) license, regulate, and inspect childcare facilities, and they have the authority to order childcare centers to close or allow them to reopen.

Montville cases:

- Long-term care facilities
  - The Chelsea: 27 cases, 11 deaths (as reported by NJDOH).
  - Fox Trail: staff and residents: 9 cases, 5 deaths (as reported by NJDOH). In May, the facility transferred the 4 remaining patients (all negative without symptoms) to their Mahwah location and closed the Montville facility until further notice.
- Congregate living facility
  - St. Alberts: no cases
- Analysis of positive cases (data as of 05/15/2020). Please note this is preliminary raw data gathered during an ongoing outbreak, and thus may be subject to revision at a later date.
  - 236 cases.
  - Average age of cases: 55.
  - 34% of cases are above age 60.
  - 38% of cases have underlying chronic health conditions.
  - 16% of cases were admitted into a hospital.
  - Household contacts: 456 total. Average number of household contacts per case: 1.93.
  - Close contacts: 315 total. Average number of close contacts per case: 1.33.
  - Source patients – none identified definitively. We did not identify any cases in which household/close contacts or cases appeared as household/close contacts for other cases. For dwelling units with multiple cases it is strongly suspected (but not proven) that the source patient was a household contact.
  - Dwelling units with more than one case (not counting long-term care facility): 31.
  - For dwelling units with multiple cases: average is 2 cases per dwelling unit
  - Cases by zip code - there are no “hot spots” or “clusters”. Total municipal population = 21,058 (per [www.census.gov/quickfacts/montvilletownshipmorriscountynewjersey](http://www.census.gov/quickfacts/montvilletownshipmorriscountynewjersey)).
    - 07045 (Montville) - population 10,127 for this zip code
      - 48.0% of Montville municipality population of 21,058
      - 45.3% of 236 cases
    - 07082 (Towaco) - population 5,384 for this zip code
      - 25.6% of Montville municipality population of 21,058
      - 29.2% of 236 cases
    - 07058 (Pine Brook) - population 5729 for this zip code
      - 27.2% of Montville municipality population of 21,058
      - 23.7% of cases

- Deaths – per NJ Office of Vital Statistics and Registry, local health departments remain prohibited from disclosing the number of deaths in a municipality due to any specific cause, and per NJ Department of Health, are prohibited from disclosing the number of deaths due to COVID for any zip code with less than 20,000 persons. All 5 zip codes present in Montville Township (Montville, Towaco, Pine Brook, Boonton, Kinnelon) have less than 20,000 persons. The Montville Health Department is allowed to, and does each month on its monthly report to the Board of Health and the Township Committee, release the number of deaths that occur within the Township that month, and the number of Montville residents who pass away (regardless of where the death took place). The below table represents this information for 2017 through 2020.

Month	2017		2018		2019		2020	
	Deceased Residents	Deaths in Montville	Deceased Residents	Deaths in Montville	Deceased Residents	Deaths in Montville	Deceased Residents	Deaths in Montville
January	7	5	15	6	17	10	11	6
February	3	7	6	16	13	4	11	7
March	3	9	14	8	18	3	10	3
April	15	4	17	7	14	9	47	31
May	9	4	13	7	17	12	11	8
June	13	2	13	6	10	3	11	7
July	14	6	12	8	13	9		
August	17	11	17	10	10	7		
September	2	3	13	10	13	8		
October	15	9	8	3	9	2		
November	3	7	13	9	12	5		
December	16	8	13	9	22	6		
<b>TOTALS</b>	<b>117</b>	<b>75</b>	<b>154</b>	<b>99</b>	<b>168</b>	<b>78</b>	<b>101</b>	<b>62</b>