COVID-19 Update June 18, 2020

As of **June 17, 2020, at 8:30 PM**, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is **45440**; including **43493** laboratory-confirmed and **1947** probable cases. **One hundred seventy-six** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **4226** COVID-19-associated deaths. **Please note that 81 new cases were reported in the past 24-hours; 70 previously reported cases were removed from the total counts due to correction of data errors.**

In Connecticut during the early months of this pandemic, it became clear that it would be necessary to track probable COVID-19 cases and deaths, in addition to laboratory-confirmed (RT-PCR) cases and deaths. This was needed to better measure the burden and impact of this disease in our communities and is now part of the national surveillance case definition for COVID-19. Probable cases of COVID-19 involve persons who have not had confirmatory laboratory testing (RT-PCR) performed for COVID-19, but whose symptoms indicate they are likely to have a COVID-19 infection. In Connecticut, most of the probable COVID-19 cases involve persons whose death certificates list COVID-19 disease or SARS-CoV-2 as a cause of death or a significant condition contributing to death. Prior to June 1, probable and confirmed cases were reported together.

Overall Summary	Total**	Change Since Yesterday
COVID-19 Cases	45440*	+81
COVID-19-Associated Deaths	4226	+7
Patients Currently Hospitalized with COVID-19	176	-10
COVID-19 PCR Tests Reported	370638	+4722

***Includes confirmed plus probable cases*

**81 new cases were reported in the past 24-hours and 70 previously reported cases were removed due to correction of data errors*

COVID-19 Cases and Associated Deaths by County of Residence

As of 06/17/20 8:30pm.

County	COVID-19 Cases		COVID-19-Associated Deaths	
	Confirmed	Probable	Confirmed	Probable
Fairfield County	15773	625	1058	294
Hartford County	10653	669	1029	307
Litchfield County	1385	62	114	21
Middlesex County	1187	59	135	37
New Haven County	11722	383	903	149
New London County	1226	62	76	25
Tolland County	821	71	50	14
Windham County	465	7	13	1
Pending address validation	*261*	*9*	*0*	*0*
Total	**43493**	**1947**	**3378**	**848**

National COVID-19 statistics and information about preventing spread of COVID-19 are available from the Centers for Disease Control and Prevention.

Day-to-day changes reflect newly reported cases, deaths, and tests that occurred over the last several days to week. All data in this report are preliminary; data for previous dates will be updated as new reports are received

and data errors are corrected. Hospitalization data were collected by the Connecticut Hospital Association. Deaths reported to either OCME or DPH are included in the daily COVID-19 update.

COVID-19 Cases and Deaths Over Time

New Cases in the Past Week

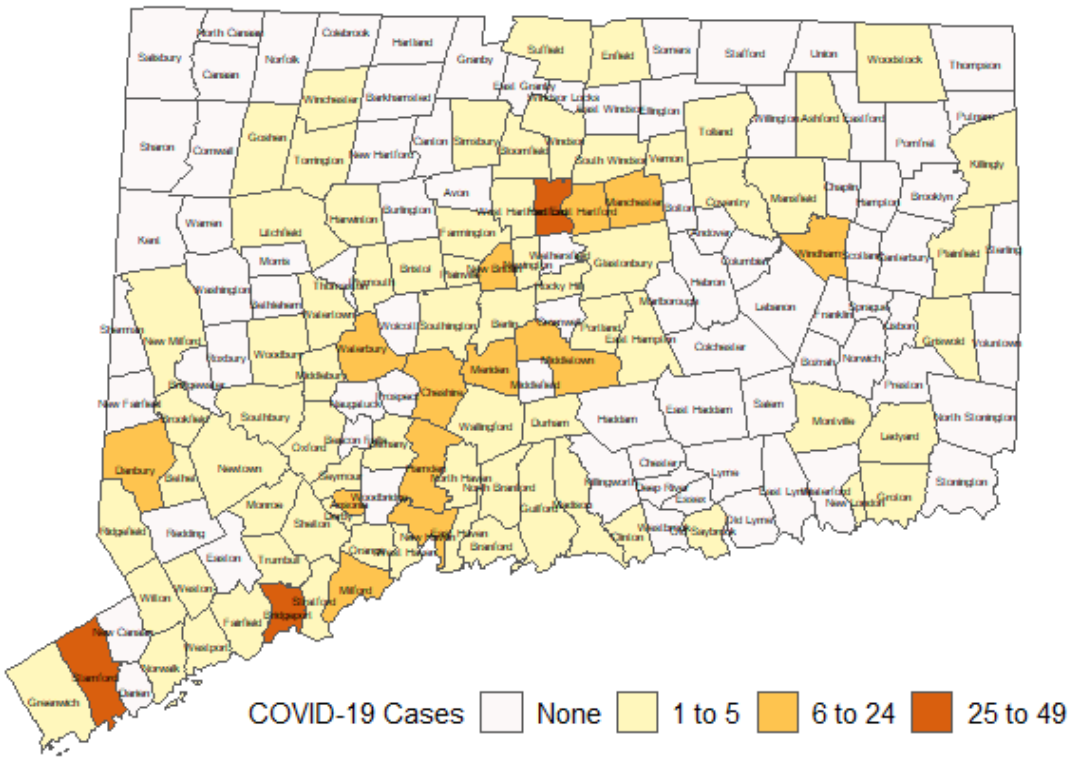
Among 30,484 PCR tests for COVID-19 with specimen collection date in the past 7 days, 870 test results were positive. There were 561 people who tested positive for the first time or had onset of symptoms in the past 7 days. Of these 561, 391 (70%) cases were among people who resided in community settings and 170 (30%) were among people who reside in congregate settings, including nursing homes, assisted living facilities, or correctional facilities.

The maps below show the distribution of the 391 cases among people living in community settings. The first map shows the number of cases and darker colors indicate towns with more cases.

Because towns with larger populations are likely to have more cases, it is also important to look at the number of new cases per 100,000 population. The second map below shows the number of new cases per 100,000 population, with darker colors indicating higher rates.

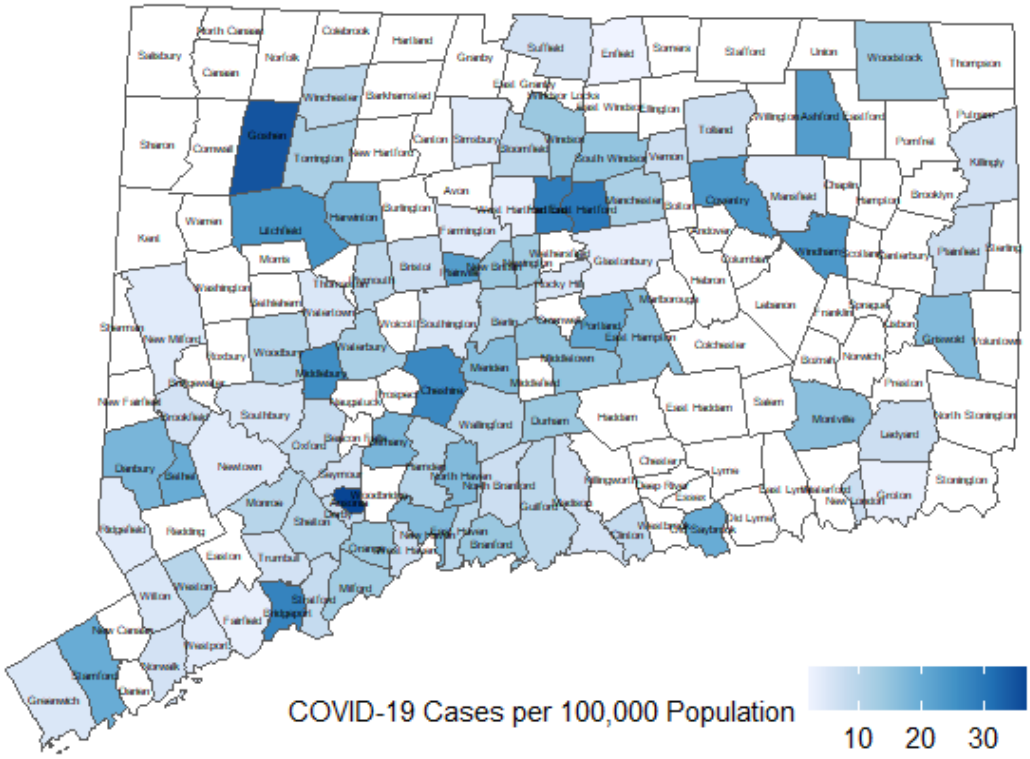
Number of COVID-19 Cases Living in Community Settings by Town with Specimen Collection or Onset Date in the Past 7 Days

Map does not include 16 cases pending address validation



Number of COVID-19 Cases Living in Community Settings per 100,000 Population by Town with Specimen Collection or Onset Date in the Past 7 Days

Map does not include 16 cases pending address validation



All data are preliminary and subject to change. Updated 6/18/2020.

Number of COVID-19 Cases, Population and Rate (Cases per 100,000 Population) by Town with Specimen Collection or Onset Date in the Past 7 Days

Table does not include 16 cases pending address validation

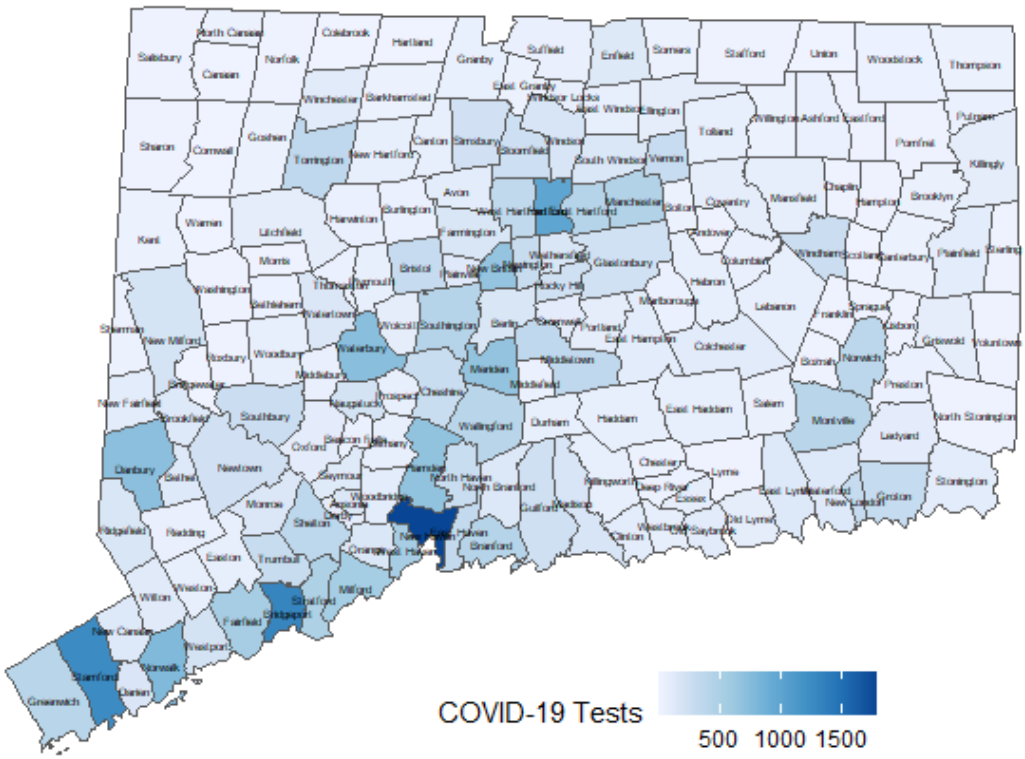
Town	Cases	Pop.	Rate	Town	Cases	Pop.	Rate	Town	Cases	Pop.	Rate
Andover	0	3231	0	Haddam	0	8222	0	Rocky Hill	1	20145	5
Ansonia	7	18721	37	Hamden	6	60940	10	Roxbury	0	2160	0
Ashford	1	4261	23	Hampton	0	1853	0	Salem	0	4123	0
Avon	0	18302	0	Hartford	36	122587	29	Salisbury	0	3598	0
Barkhamsted	0	3624	0	Hartland	0	2120	0	Scotland	0	1685	0
Beacon Falls	0	6182	0	Harwinton	1	5430	18	Seymour	1	16509	6
Berlin	2	20432	10	Hebron	0	9482	0	Sharon	0	2703	0
Bethany	1	5479	18	Kent	0	2785	0	Shelton	4	41097	10
Bethel	4	19714	20	Killingly	1	17287	6	Sherman	0	3614	0
Bethlehem	0	3422	0	Killingworth	0	6370	0	Simsbury	1	24979	4
Bloomfield	2	21301	9	Lebanon	0	7207	0	Somers	0	10834	0
Bolton	0	4890	0	Ledyard	1	14736	7	South			
Bozrah	0	2537	0	Lisbon	0	4248	0	Windsor	4	26054	15
Branford	4	28005	14	Litchfield	2	8127	25	Southbury	1	19656	5
Bridgeport	41	144900	28	Lyme	0	2338	0	Southington	2	43807	5
Bridgewater	0	1641	0	Madison	1	18106	6	Sprague	0	2889	0
Bristol	4	60032	7	Manchester	7	57699	12	Stafford	0	11884	0
Brookfield	1	17002	6	Mansfield	1	25817	4	Stamford	26	129775	20
Brooklyn	0	8280	0	Marlborough	0	6358	0	Sterling	0	3780	0
Burlington	0	9665	0	Meriden	10	59540	17	Stonington	0	18449	0
Canaan	0	1055	0	Middlebury	2	7731	26	Stratford	4	51967	8
Canterbury	0	5100	0	Middlefield	0	4380	0	Suffield	1	15743	6
Canton	0	10270	0	Middletown	7	46146	15	Thomaston	0	7560	0
Chaplin	0	2256	0	Milford	7	54661	13	Thompson	0	9395	0
Cheshire	8	29179	27	Monroe	2	19470	10	Tolland	1	14655	7
Chester	0	4229	0	Montville	3	18716	16	Torrington	4	34228	12
Clinton	1	12950	8	Morris	0	2262	0	Trumbull	2	35802	6
Colchester	0	15936	0	Naugatuck	0	31288	0	Union	0	840	0
Colebrook	0	1405	0	New Britain	10	72453	14	Vernon	2	29303	7
Columbia	0	5385	0	New Canaan	0	20213	0	Voluntown	0	2535	0
Cornwall	0	1368	0	New Fairfield	0	13877	0	Wallingford	4	44535	9
Coventry	3	12414	24	New Hartford	0	6685	0	Warren	0	1399	0
Cromwell	0	13905	0	New Haven	22	130418	17	Washington	0	3434	0
Danbury	15	84730	18	New London	2	26939	7	Waterbury	13	108093	12
Darien	0	21753	0	New Milford	1	26974	4	Waterford	0	18887	0
Deep River	0	4463	0	Newington	4	30112	13	Watertown	1	21641	5
Derby	1	12515	8	Newtown	1	27774	4	West Hartford	2	62939	3
Durham	1	7195	14	Norfolk	0	1640	0	West Haven	4	54879	7
East Granby	0	5147	0	North				Westbrook	0	6914	0
East Haddam	0	8988	0	Branford	1	14158	7	Weston	1	10247	10
East Hampton	2	12854	16	North Canaan	0	3254	0	Westport	1	28115	4
East Hartford	15	49998	30	North Haven	4	23691	17	Wethersfield	0	26082	0
East Haven	3	28699	10	North				Willington	0	5887	0
East Lyme	0	18645	0	Stonington	0	5243	0	Wilton	1	18397	5
East Windsor	0	11375	0	Norwalk	5	89047	6	Winchester	1	10655	9
Eastford	0	1790	0	Norwich	0	39136	0	Windham	6	24706	24
Easton	0	7517	0	Old Lyme	0	7366	0	Windsor	4	28760	14
Ellington	0	16299	0	Old Saybrook	2	10087	20	Windsor Locks	0	12876	0
Enfield	1	44466	2	Orange	2	13949	14	Wolcott	0	16649	0
Essex	0	6674	0	Oxford	1	13226	8	Woodbridge	0	8805	0
Fairfield	2	61952	3	Plainfield	1	15173	7	Woodbury	1	9537	10
Farmington	1	25506	4	Plainville	4	17623	23	Woodstock	1	7862	13
Franklin	0	1933	0	Plymouth	1	11645	9				
Glastonbury	1	34491	3	Pomfret	0	4204	0				
Goshen	1	2879	35	Portland	2	9305	21				
Granby	0	11375	0	Preston	0	4638	0				
Greenwich	3	62727	5	Prospect	0	9790	0				
Griswold	2	11591	17	Putnam	0	9395	0				
Groton	1	38692	3	Redding	0	9125	0				
Guilford	2	22216	9	Ridgefield	1	25008	4				

COVID-19 PCR Tests in the Past Week

The graph below shows the number of PCR laboratory tests for COVID-19 reported to DPH with a specimen collection date in the past 7 days. Among 30,484 PCR tests for COVID-19 with specimen collection date in the past 7 days, 870 test results were positive.

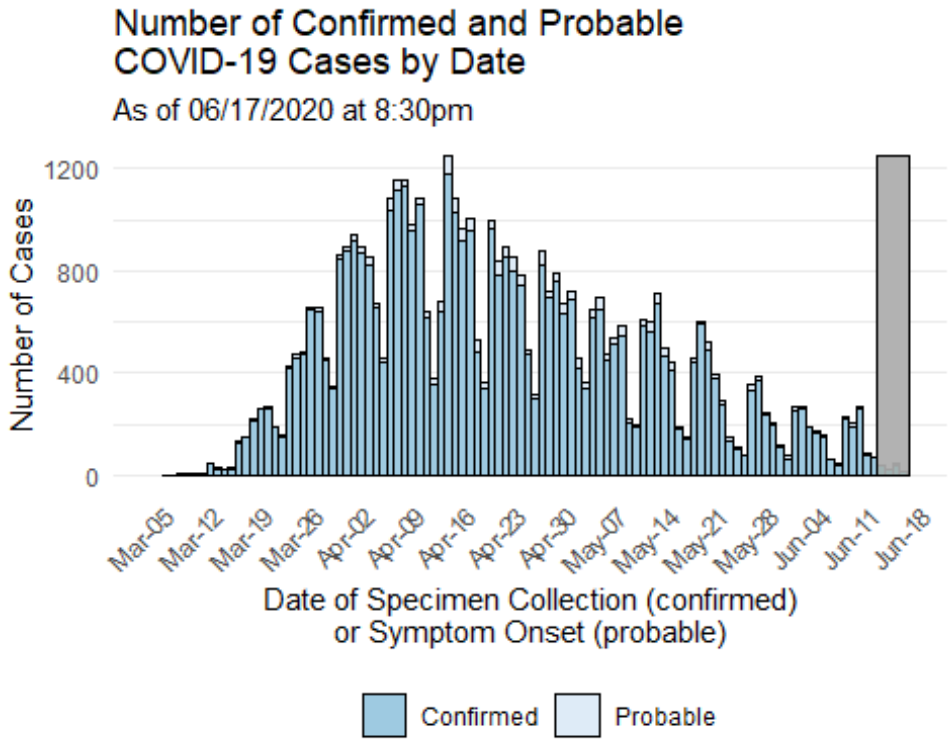
Number of PCR Tests for COVID-19 by Town with Specimen Collection Date in the Past 7 Days

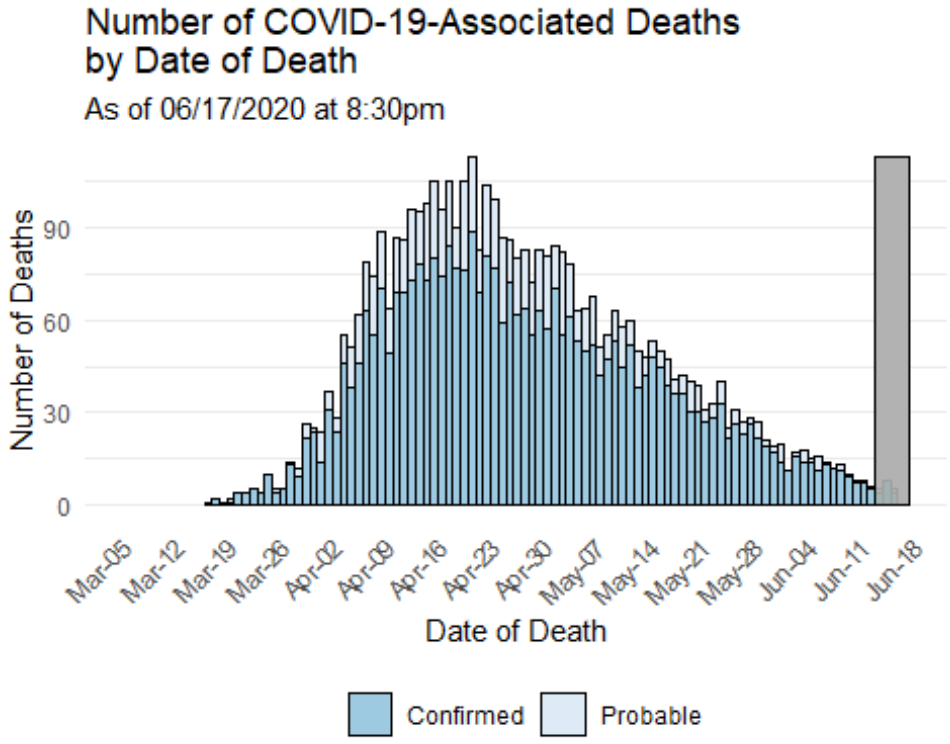
Map does not include 1241 tests pending address validation



Cumulative COVID-19 Cases and Deaths by Date

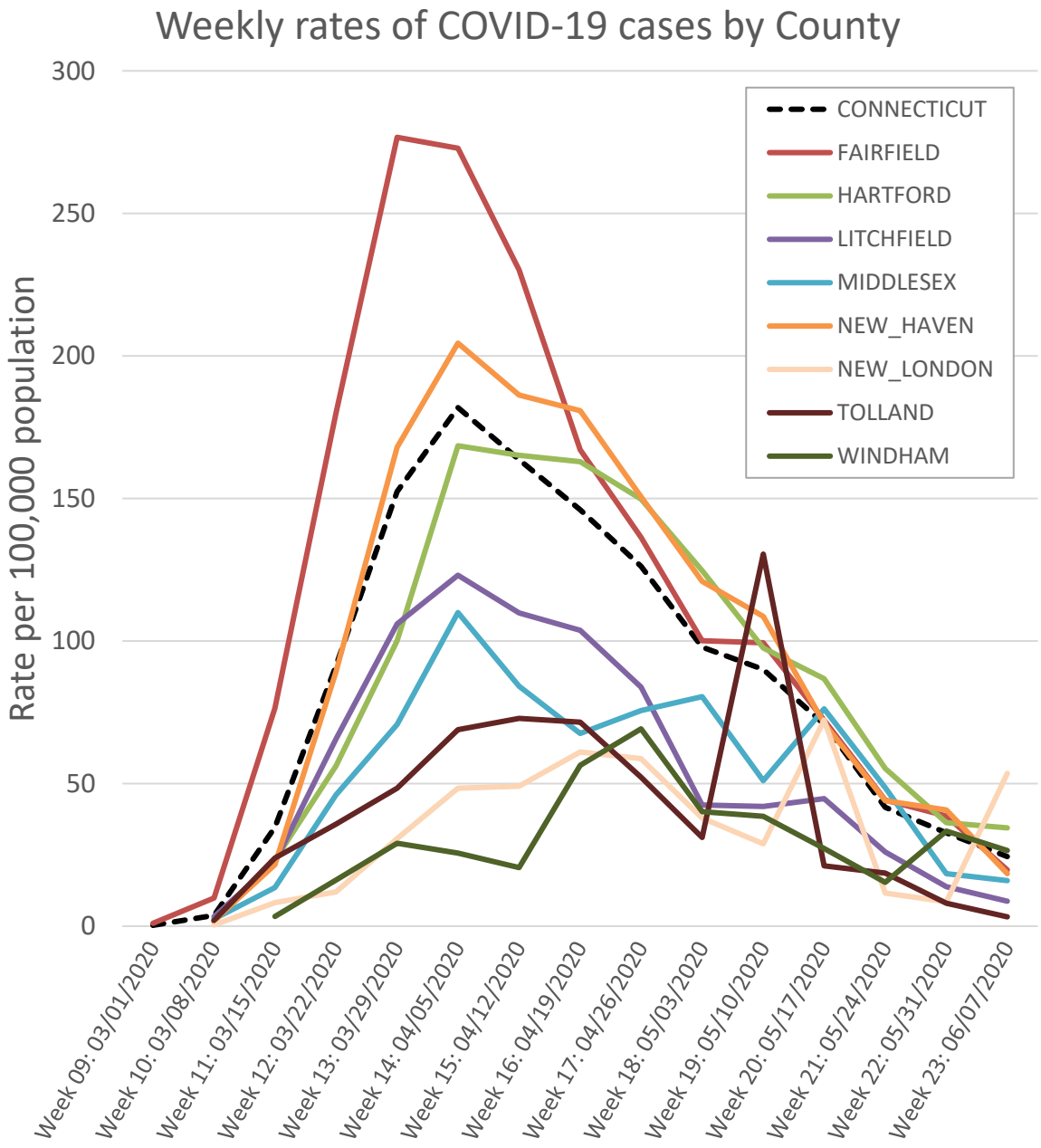
Test results may be reported several days after the result. Data are incomplete for most recent dates shaded in grey. Data from previous dates are routinely updated.





Weekly Incidence by County

The chart below shows the number of new COVID-19 cases per week per 100,000 population in the state of Connecticut and for each Connecticut county. The rates in this chart are calculated by dividing the number of new cases diagnosed each week by the annual estimated population and then multiplying by 100,000. The rate calculation used here is consistent with the CDC COVID-19 Data Tracker method for calculation of cumulative COVID-19 incidence rates.

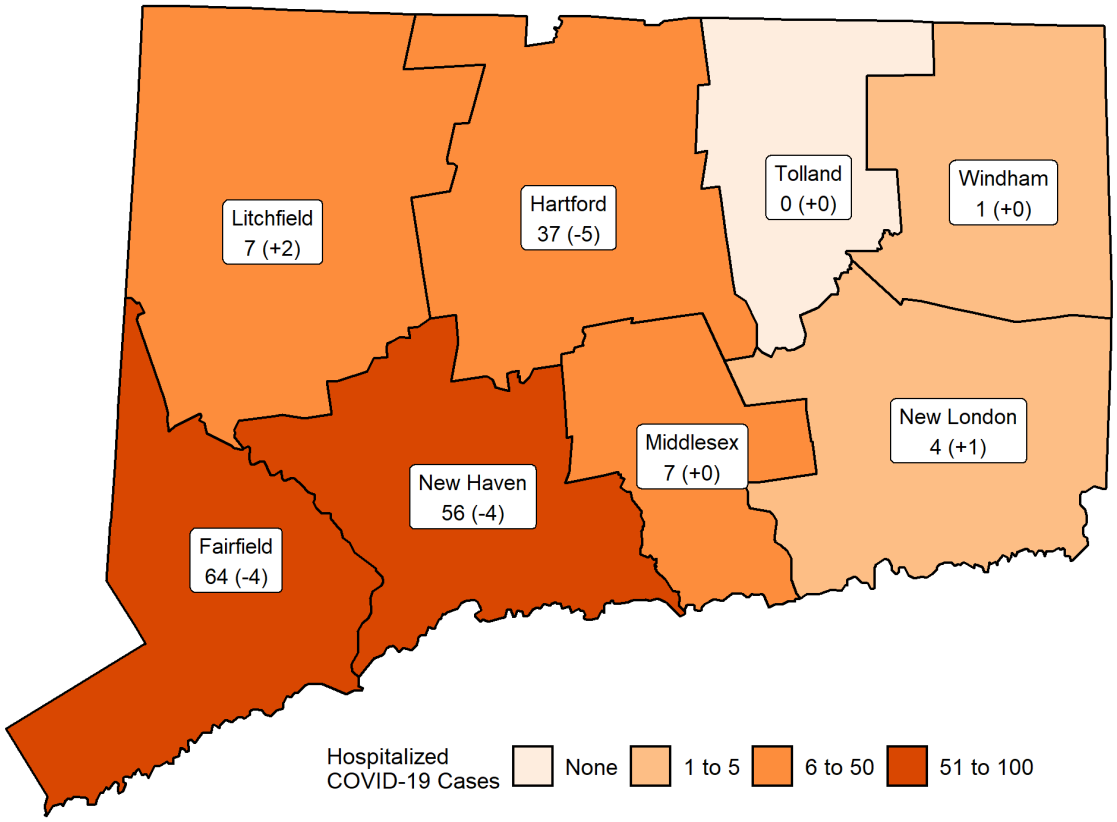


Notes:
Incidence rates are based on weekly cases divided by the estimated annual population and multiplied by 100,000.
Cases pending address validation are excluded from rate calculations.

Hospitalization Surveillance

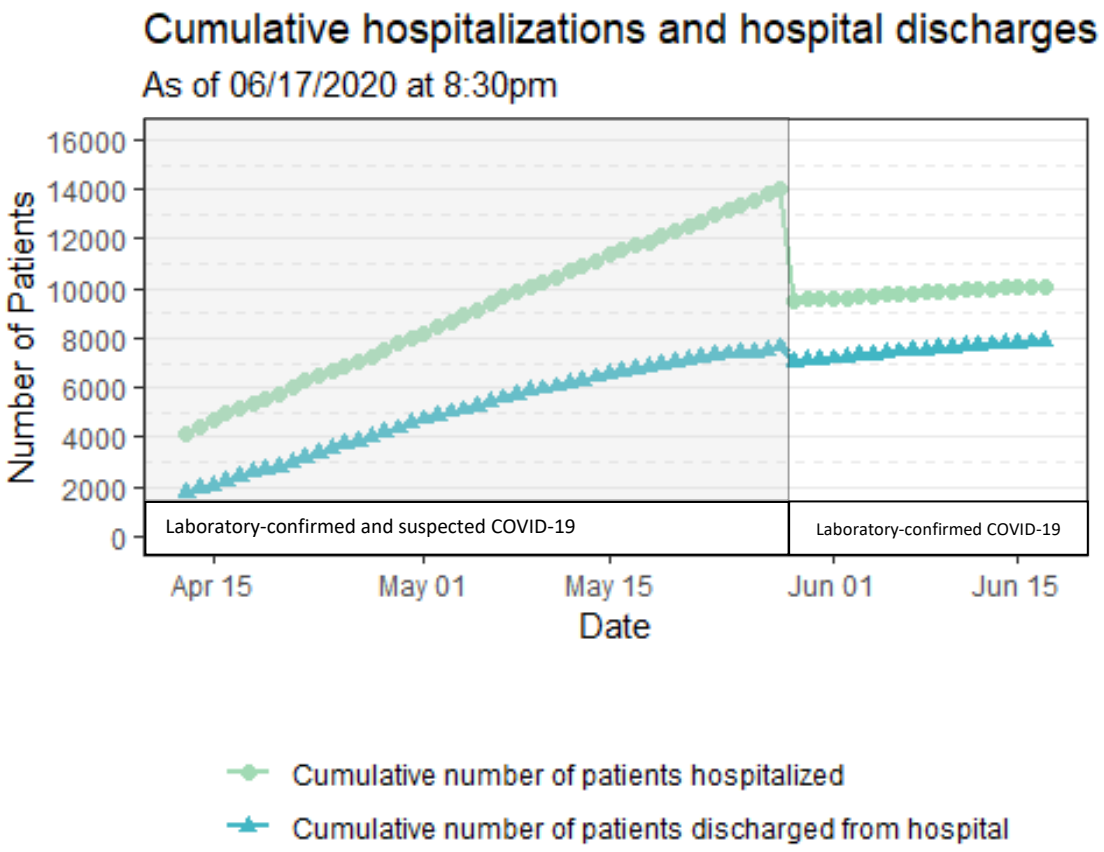
The map below shows the number of patients currently hospitalized with laboratory-confirmed COVID-19 by county based on data collected by the Connecticut Hospital Association. The distribution is by location of hospital, not patient residence. The labels indicate the number of patients currently hospitalized with the change since yesterday in parentheses.

Patients Currently Hospitalized by Connecticut County
Distribution by location of hospital not patient residence. Data from the Connecticut Hospital Association.



Cumulative hospitalizations and cumulative hospital discharges for COVID-19

The chart below shows information on cumulative hospitalizations and hospital discharges for patients with COVID-19. Data were collected by the Connecticut Hospital Association. Starting on May 29, 2020, CHA changed to reporting only the number of patients with laboratory-confirmed COVID-19; data for previous dates include patients with laboratory-confirmed or suspected COVID-19. To date, **10099** patients have been hospitalized with laboratory-confirmed COVID-19 in Connecticut and **7842** patients hospitalized with laboratory-confirmed have been discharged.

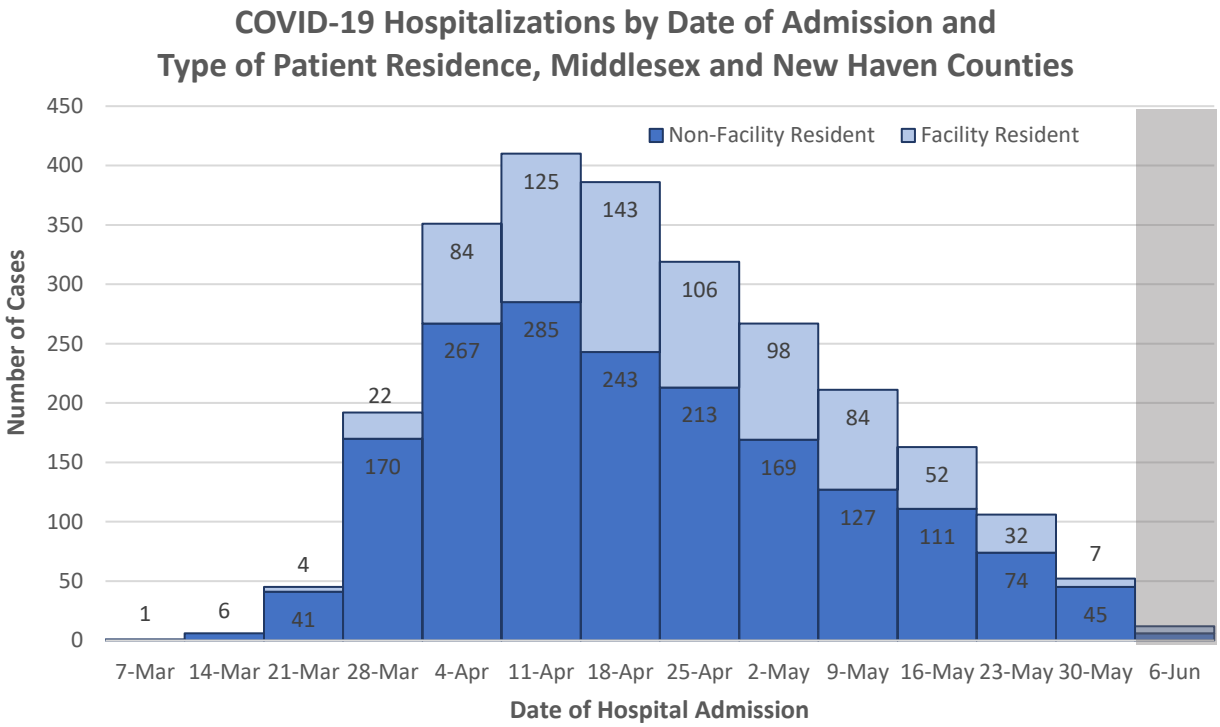


Weekly hospitalization by type of patient residence in New Haven and Middlesex Counties

The chart below shows the weekly number of laboratory-confirmed COVID-19-associated hospitalizations by type of patient residence. Facility residents include patients who resided in nursing homes, assisted living, residential care facilities or were incarcerated at the time of hospitalization. All other patients were classified as non-facility residents. **Of 2521 hospitalizations reviewed for the weeks March 1–June 6, a total of 764 patients (30%) resided in a facility.**

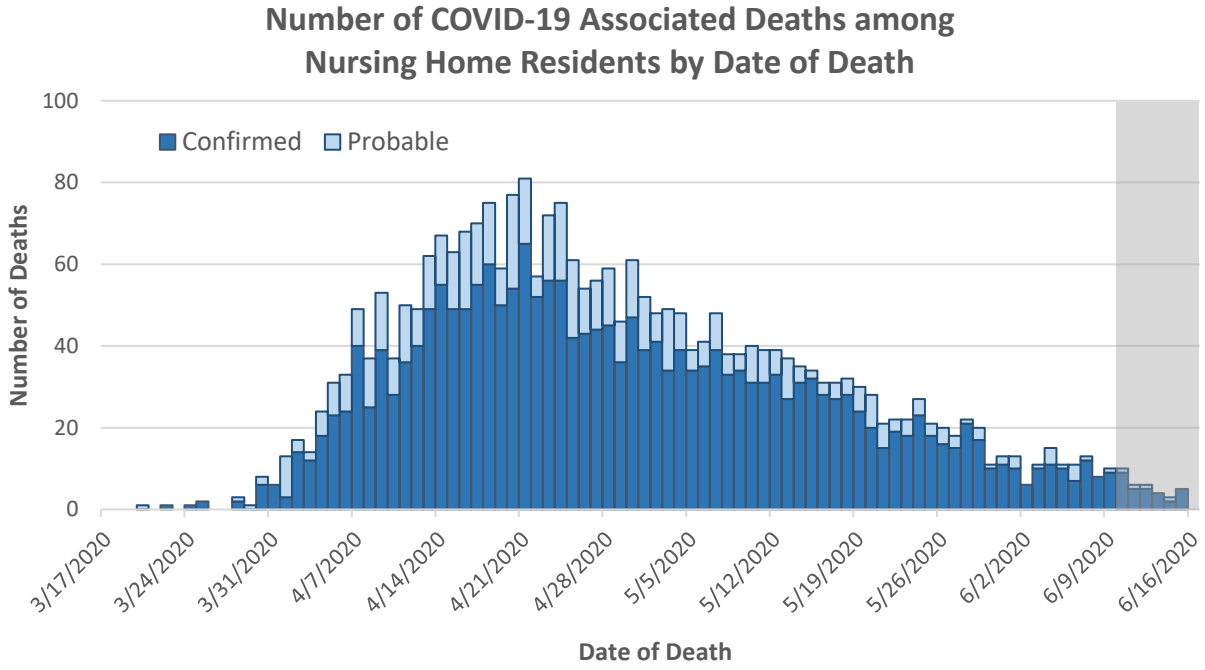
These data were collected by COVID-NET, the COVID-19-Associated Hospitalization Surveillance Network. Connecticut is one of 14 states that participate in COVID-NET, which conducts population-based surveillance for laboratory-confirmed COVID-19-associated hospitalizations. In Connecticut, COVID-NET surveillance covers residents of New Haven and Middlesex Counties, a population of approximately 1 million. These data are collected in partnership with the Centers for Disease Control and Prevention (CDC) and other surveillance sites.

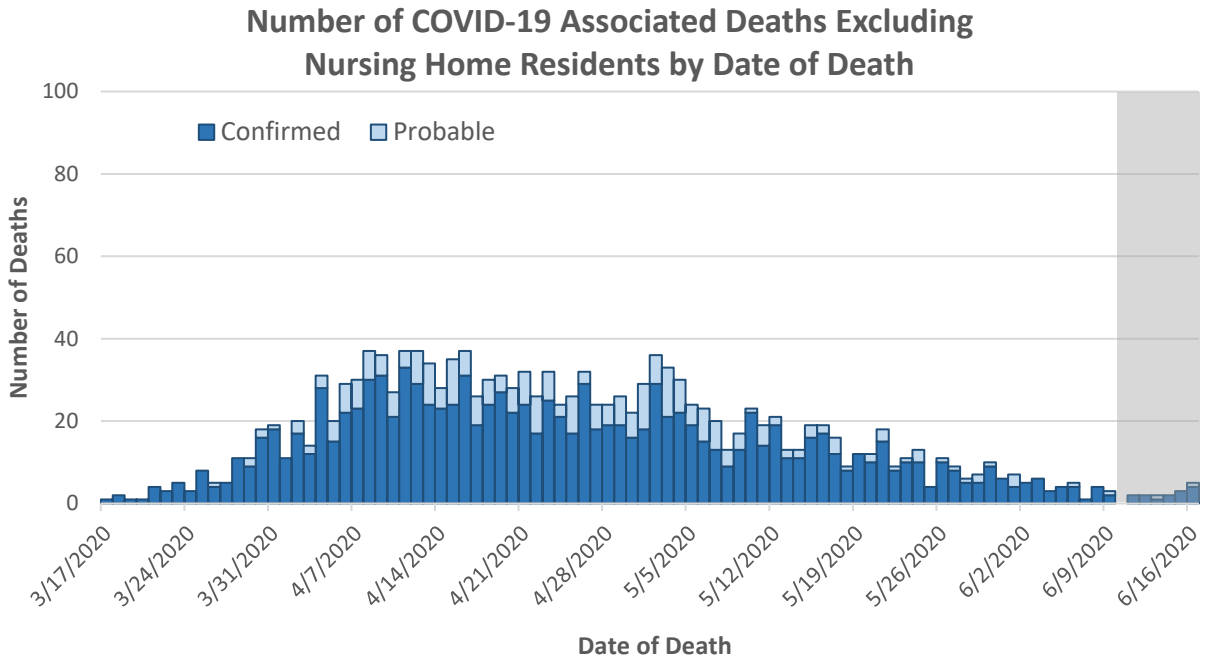
COVID-NET hospitalization data are preliminary and subject to change as more data become available. In particular, case counts for recent hospital admissions are subject to lag. As data are received each week, prior case counts and rates are updated accordingly. More information can be found on the CDC website: https://www.cdc.gov/coronavirus/2019-ncov/covid-data/covid-net/purpose-methods.html.



Nursing Home Surveillance

Among **214** nursing homes in CT, **174 (81%)** have had at least one laboratory-confirmed COVID-19 case and **153 (71%)** have had at least one COVID-19-associated death. The graphs below show the number of COVID-19-associated deaths by date among nursing home residents (first graph) and among people who are not residents of nursing homes (second graph). *Data are incomplete for most recent dates shaded in grey. Data from previous dates are routinely updated.*





Nursing Home Point Prevalence Surveys – Preliminary Data

Point Prevalence Survey (PPS) is a strategy in which the infection status of all residents in a facility can be determined so that people who are potentially infectious can be separated from other residents in the facility.

The nursing home PPS initiative began in early May. The PPS initiative was designed to help contain outbreaks, and not to establish the burden of COVID-19 in nursing homes. For this initiative, nursing homes were urged to test all residents who had not previously tested positive for COVID-19.

PPS data collection is ongoing. Below are the data collected thus far (191 of 214 Connecticut nursing homes).

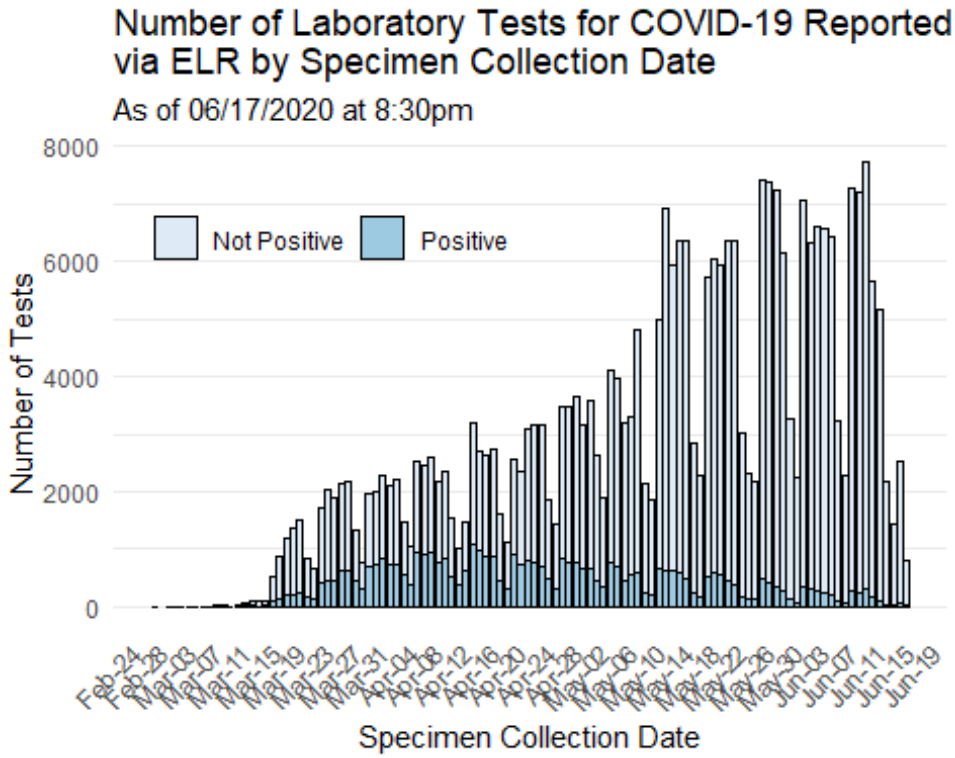
Among 191 nursing homes for which PPS data have been collected, 1,685 (14%) of 12,135 residents tested were found to be COVID-19-positive. Most residents who tested positive did not have symptoms of COVID-19 disease at the time of testing.

COVID-19 Test Results Among Nursing Home Residents Included in the PPS Initiative (Preliminary Data for 191 nursing homes)

Metric	Count (%)
Total number of residents tested	**12,135**
Number of residents who tested negative	10,389 (86%)
Number of residents who tested positive	**1,685 (14%)**
Number of residents with a positive result who were asymptomatic at time of testing	1,503 (89%)

Laboratory Surveillance

To date, DPH has received reports on a total of **370638** COVID-19 laboratory tests; of these **314158** test results were received via electronic laboratory reporting (ELR) methods from commercial laboratories, hospital laboratories, and the Dr. Katherine A. Kelley State Public Health Laboratory. The chart below shows the number of tests reported via ELR by date of specimen collection and test result.

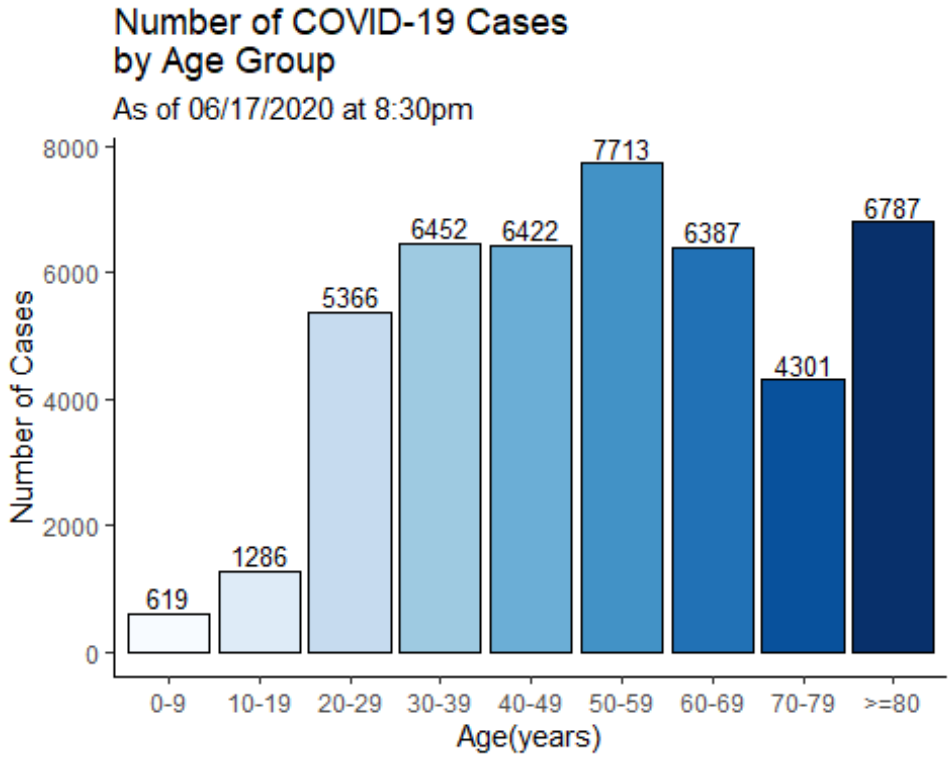


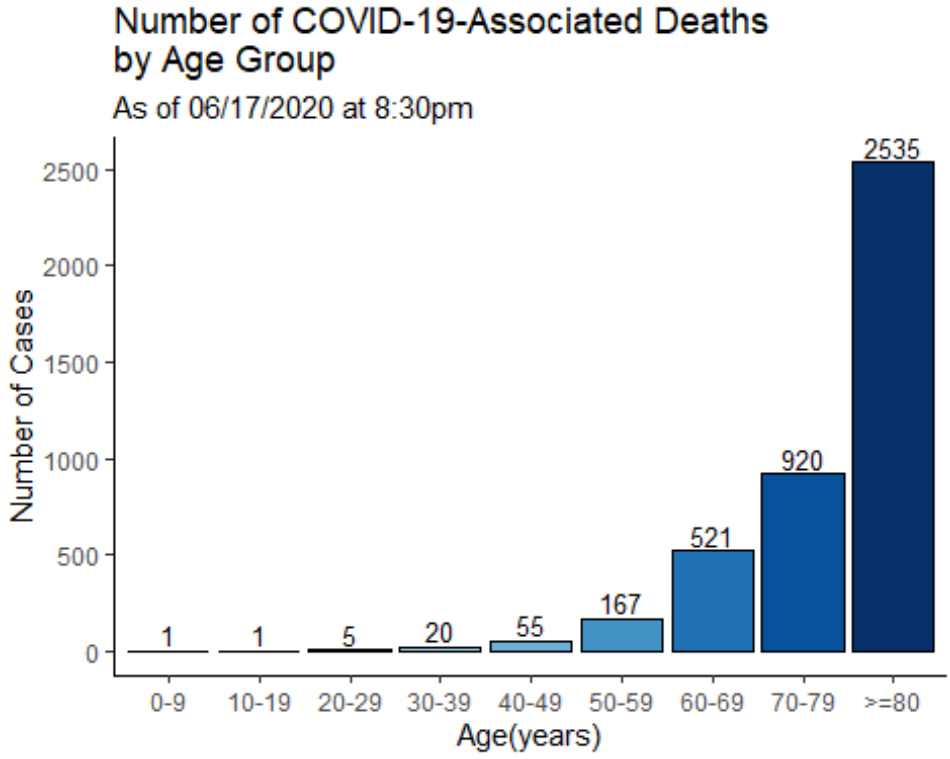
Testing of specimens collected since June 14 is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.

ELR = Electronic Laboratory Reporting

Characteristics of COVID-19 Cases and Associated Deaths

Counts may not add up to total case count because demographic data may be missing.





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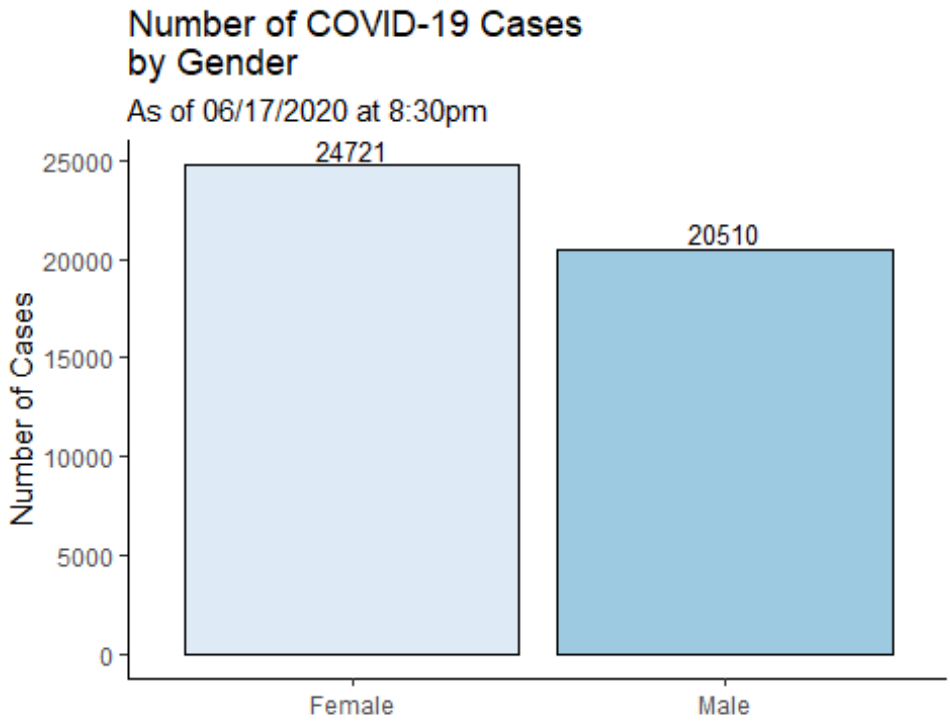
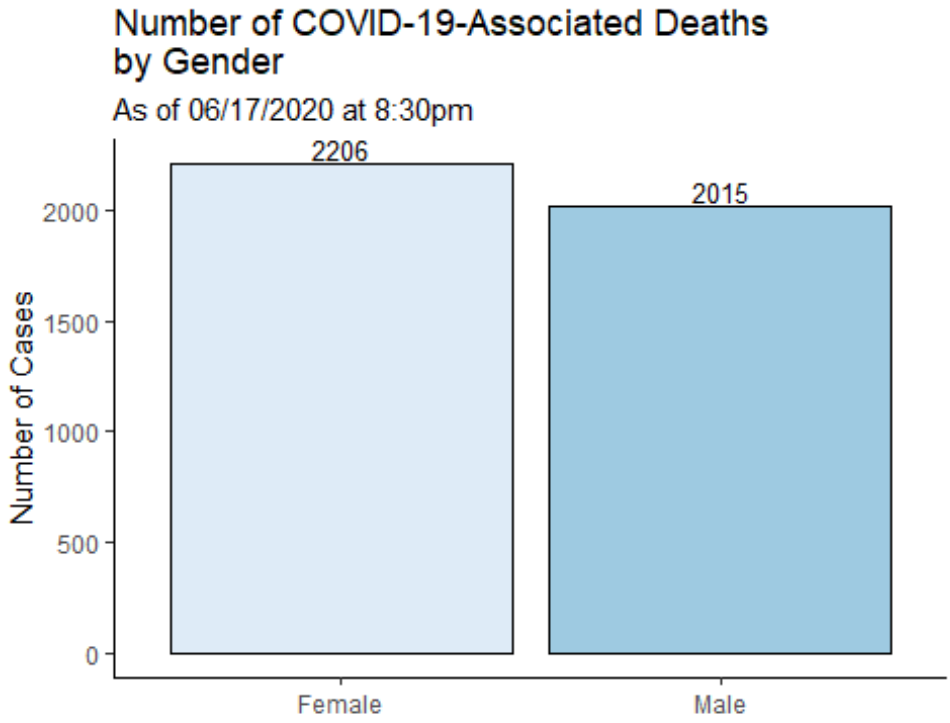
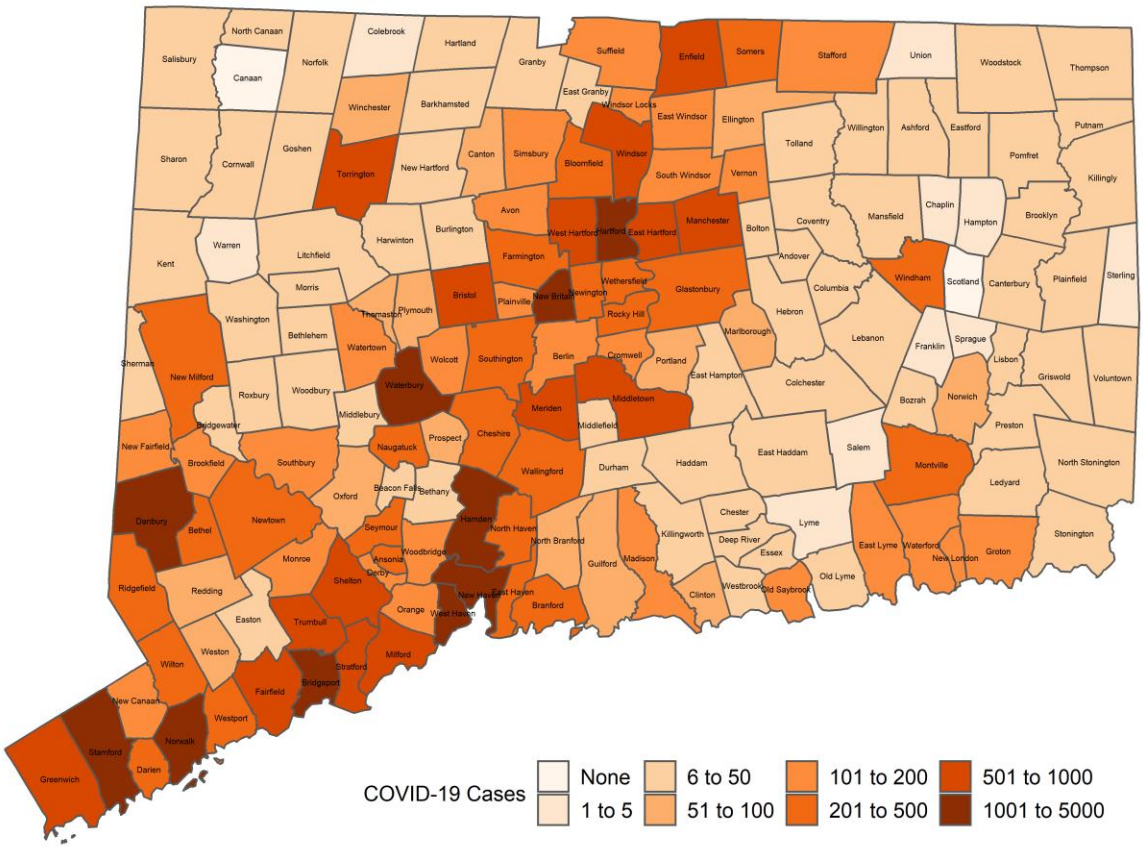




Cumulative Number of COVID-19 Cases by Town

Map does not include 261 cases pending address validation

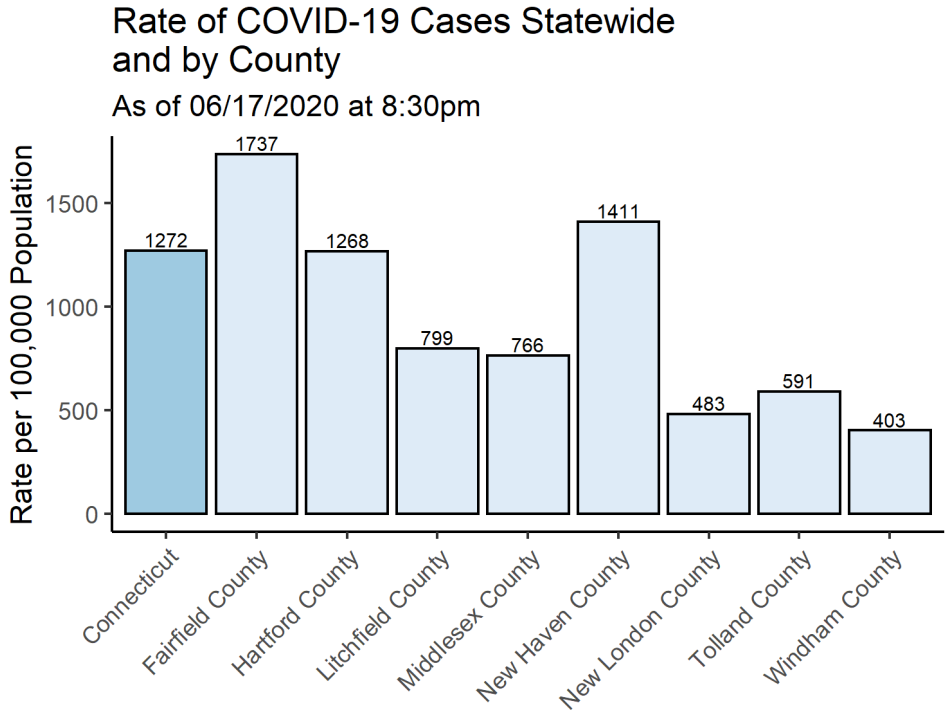


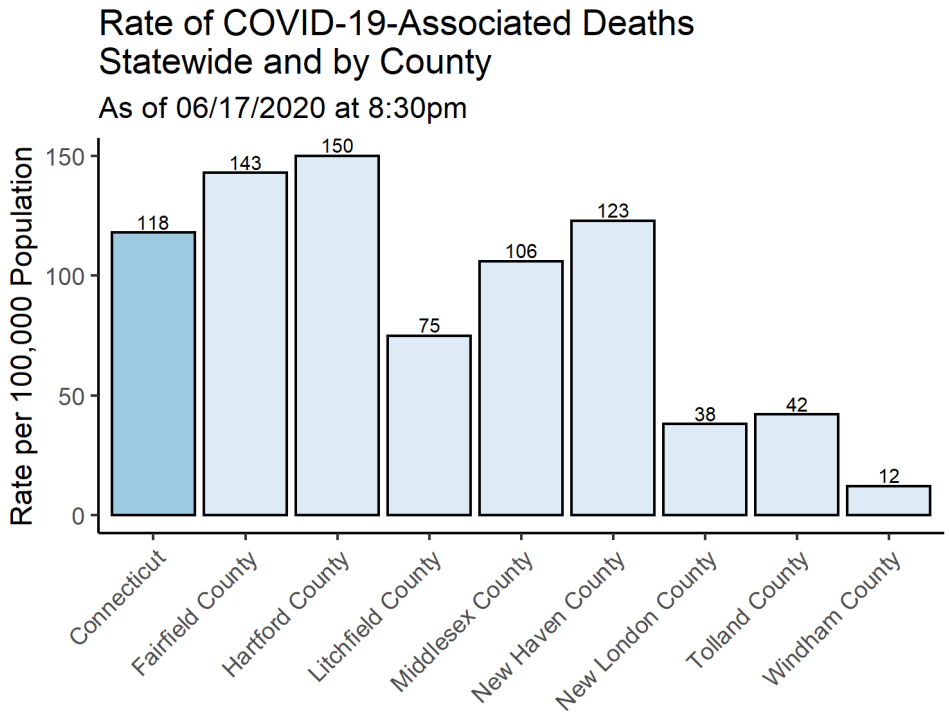
APPENDIX A. Cumulative Number of COVID-19 Cases by Town

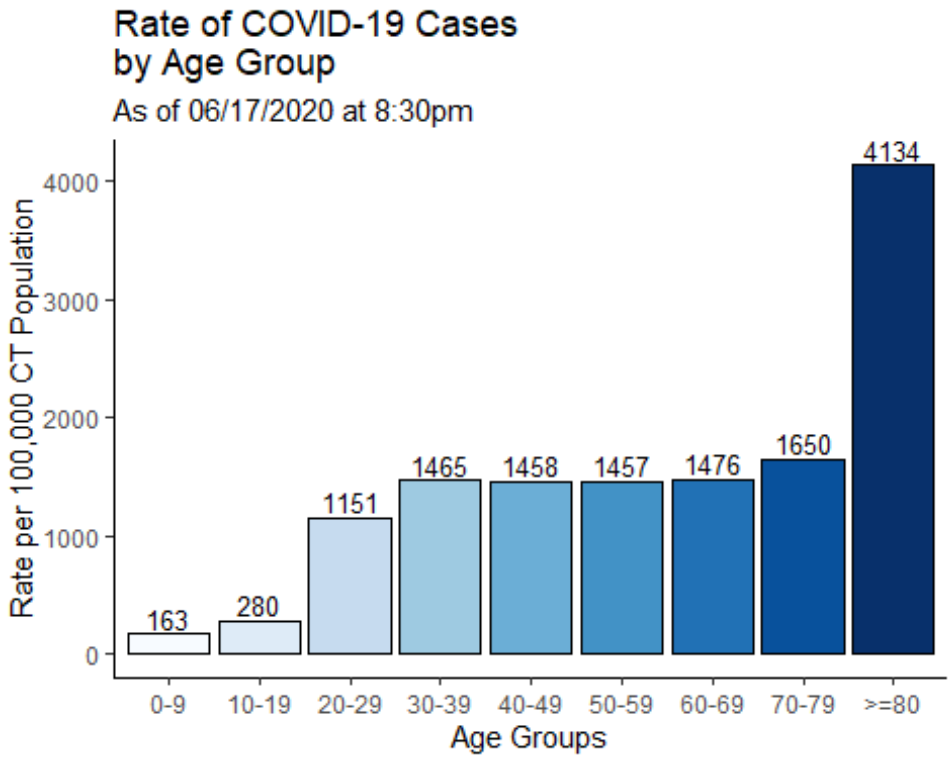
Table does not include 261 cases pending address validation

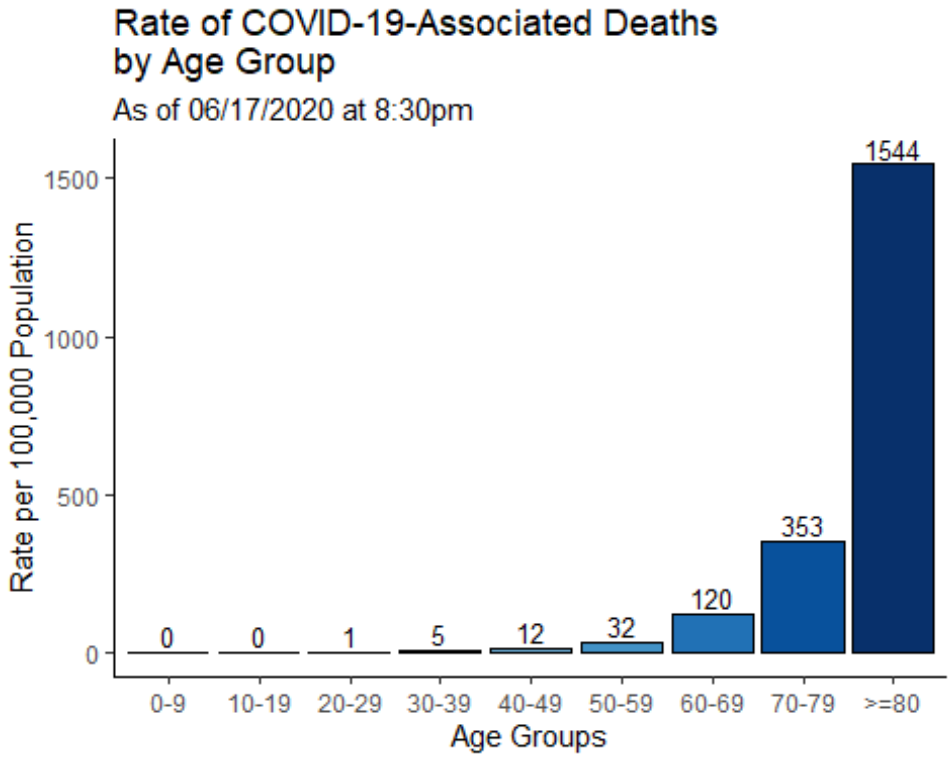
Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	9	0	Griswold	29	3	Prospect	58	0
Ansonia	271	7	Groton	108	12	Putnam	29	1
Ashford	17	0	Guilford	95	4	Redding	66	3
Avon	126	8	Haddam	28	1	Ridgefield	203	12
Barkhamsted	24	1	Hamden	974	37	Rocky Hill	387	18
Beacon Falls	49	0	Hampton	2	0	Roxbury	5	3
Berlin	153	7	Hartford	2357	145	Salem	5	0
Bethany	38	0	Hartland	6	0	Salisbury	12	0
Bethel	244	9	Harwinton	27	2	Scotland	0	0
Bethlehem	11	1	Hebron	26	2	Seymour	218	10
Bloomfield	465	31	Kent	7	1	Sharon	14	0
Bolton	20	1	Killingly	29	2	Shelton	585	42
Bozrah	7	0	Killingworth	13	0	Sherman	12	2
Branford	332	5	Lebanon	25	0	Simsbury	100	12
Bridgeport	3470	126	Ledyard	23	0	Somers	263	26
Bridgewater	8	0	Lisbon	9	0	South Windsor	145	19
Bristol	567	17	Litchfield	36	1	Southbury	188	5
Brookfield	155	3	Lyme	2	0	Southington	321	13
Brooklyn	24	1	Madison	136	7	Sprague	4	0
Burlington	24	0	Manchester	656	54	Stafford	105	9
Canaan	0	0	Mansfield	32	2	Stamford	3176	69
Canterbury	13	1	Marlborough	86	2	Sterling	2	0
Canton	85	9	Meriden	819	34	Stonington	26	5
Chaplin	3	0	Middlebury	44	3	Stratford	823	33
Cheshire	196	7	Middlefield	18	0	Suffield	119	15
Chester	45	1	Middletown	570	28	Thomaston	53	2
Clinton	52	3	Milford	637	23	Thompson	37	1
Colchester	35	2	Monroe	105	4	Tolland	40	9
Colebrook	3	0	Montville	374	7	Torrington	514	27
Columbia	23	0	Morris	13	1	Trumbull	495	46
Cornwall	6	0	Naugatuck	374	9	Union	4	1
Coventry	39	4	New Britain	966	71	Vernon	184	12
Cromwell	118	11	New Canaan	168	3	Voluntown	9	0
Danbury	1813	74	New Fairfield	111	0	Wallingford	461	13
Darien	203	3	New Hartford	25	0	Warren	5	0
Deep River	12	2	New Haven	2581	55	Washington	21	0
Derby	166	0	New London	140	6	Waterbury	1894	87
Durham	35	2	New Milford	271	7	Waterford	153	9
East Granby	9	0	Newington	373	22	Watertown	140	7
East Haddam	17	0	Newtown	226	12	West Hartford	633	50
East Hampton	43	4	Norfolk	11	1	West Haven	1025	30
East Hartford	801	63	North Branford	79	4	Westbrook	28	0
East Haven	388	22	North Canaan	5	1	Weston	62	3
East Lyme	134	10	North Haven	263	4	Westport	283	15
East Windsor	143	14	North Stonington	12	1	Wethersfield	249	4
Eastford	8	0	Norwalk	1999	55	Willington	14	0
Easton	30	1	Norwich	93	7	Wilton	180	27
Ellington	62	5	Old Lyme	19	0	Winchester	51	1
Enfield	580	13	Old Saybrook	103	3	Windham	239	0
Essex	39	0	Orange	121	1	Windsor	531	46
Fairfield	593	48	Oxford	77	3	Windsor Locks	111	6
Farmington	201	7	Plainfield	33	1	Wolcott	100	5
Franklin	5	0	Plainville	162	3	Woodbridge	138	8
Glastonbury	276	20	Plymouth	68	5	Woodbury	47	1
Goshen	8	0	Pomfret	13	0	Woodstock	16	0
Granby	21	0	Portland	66	4			
Greenwich	771	35	Preston	14	0			

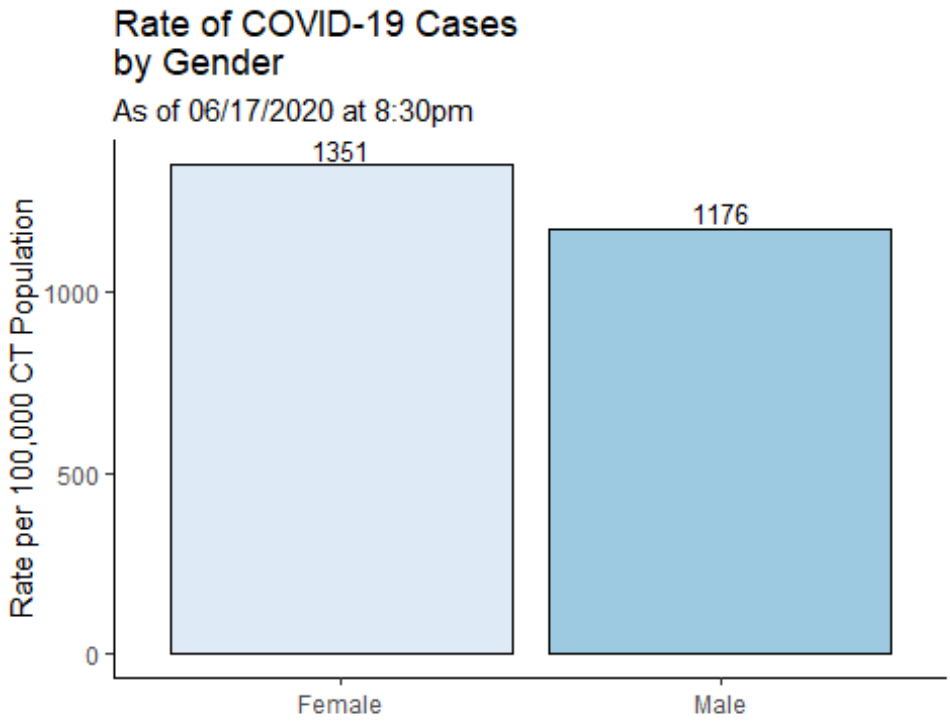
APPENDIX B. The following graphs show the number of cases per 100,000 Connecticut residents statewide and by county, age group, and gender. Population estimate from: [DPH Population Statistics]

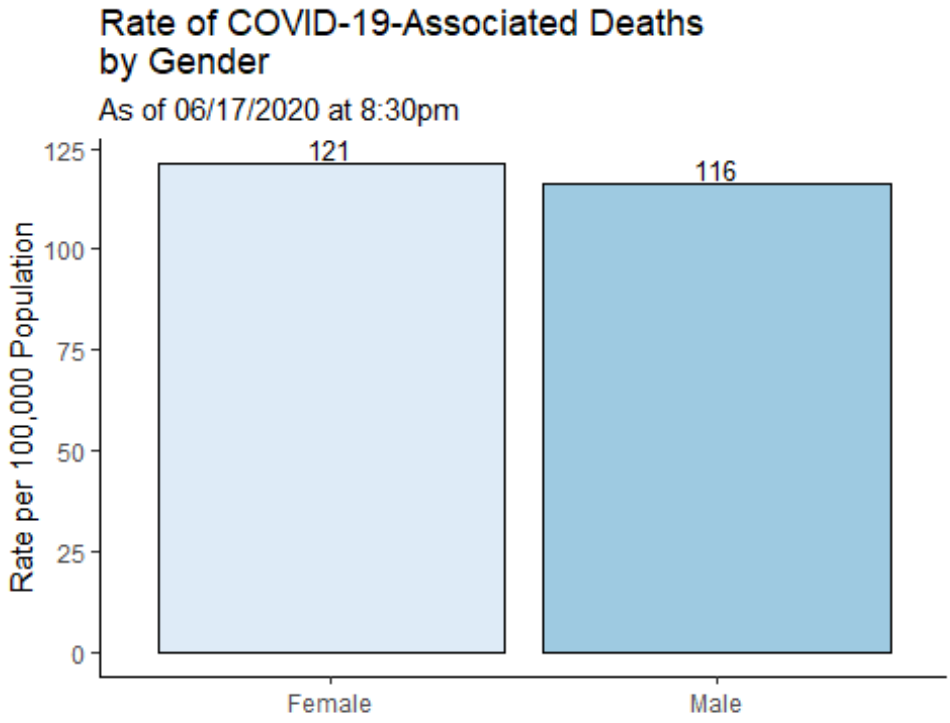




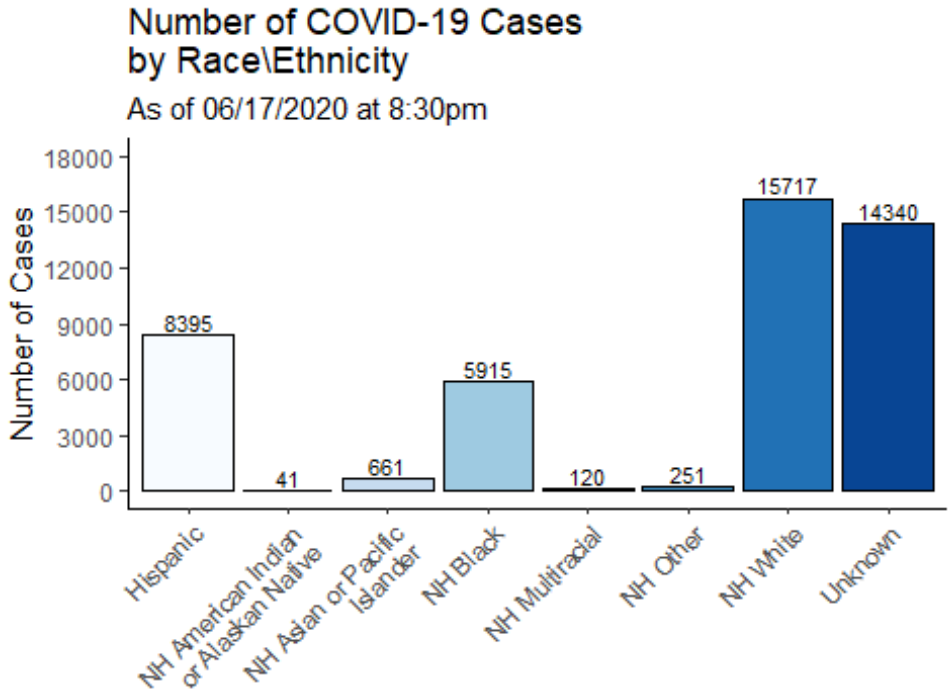

Rate of COVID-19 Cases
by Age Group
As of 06/17/2020 at 8:30pm
Rate per 100,000 CT Population
0
1000
2000
3000
4000
163
280
1151
1465
1458
1457
1476
1650
4134
0-9
10-19
20-29
30-39
40-49
50-59
60-69
70-79
>=80
Age Groups

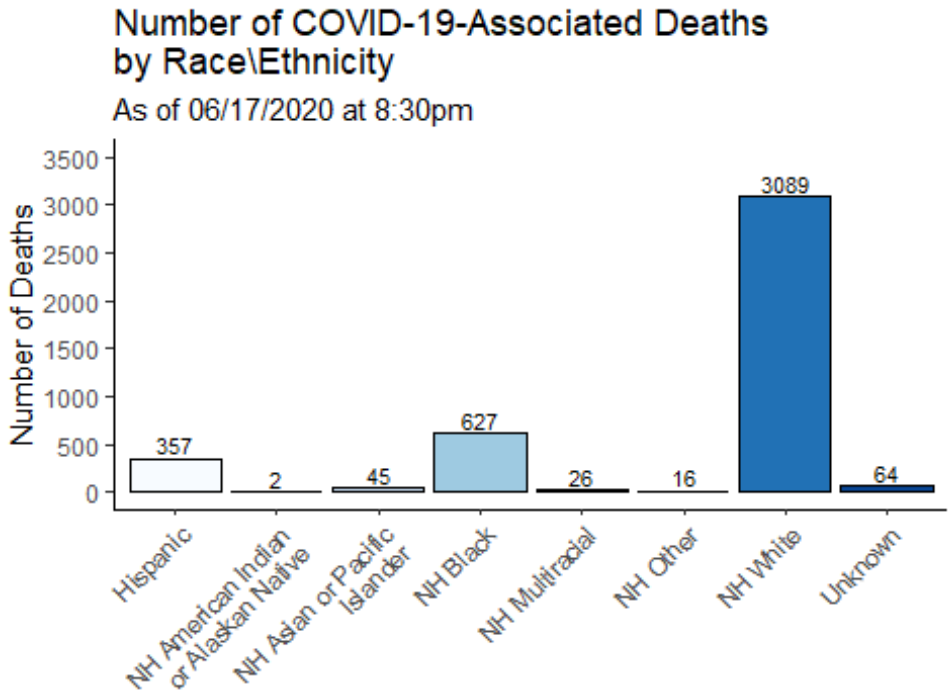

Rate of COVID-19-Associated Deaths
by Age Group
As of 06/17/2020 at 8:30pm
Rate per 100,000 Population
0
500
1000
1500
0
0
1
5
12
32
120
353
1544
0-9
10-19
20-29
30-39
40-49
50-59
60-69
70-79
>=80
Age Groups


Rate of COVID-19 Cases
by Gender
As of 06/17/2020 at 8:30pm
Rate per 100,000 CT Population
1351
1176
1000
500
0
Female
Male


Rate of COVID-19-Associated Deaths
by Gender
As of 06/17/2020 at 8:30pm
Rate per 100,000 Population
121
116
125
100
75
50
25
0
Female
Male

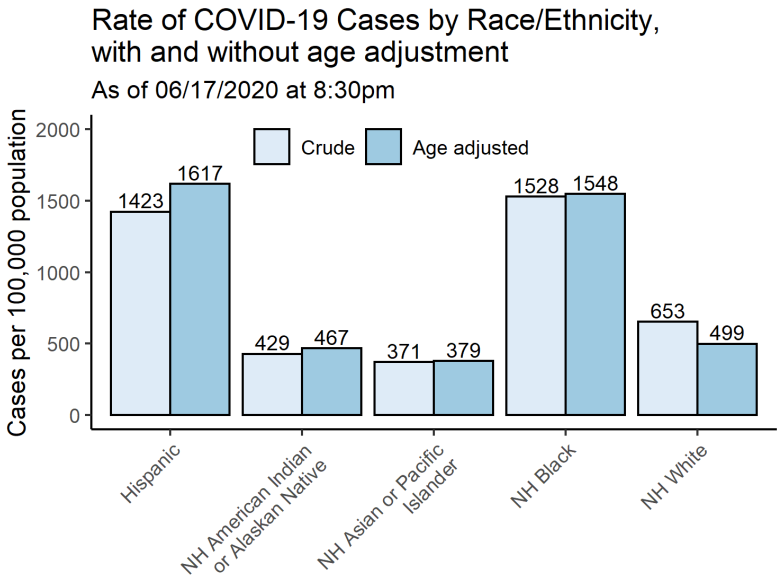
APPENDIX C. The following graphs show the number of cases and deaths by race and ethnicity. *Categories are mutually exclusive. The category "multiracial" includes people who answered 'yes' to more than one race category. NH=Non-Hispanic*

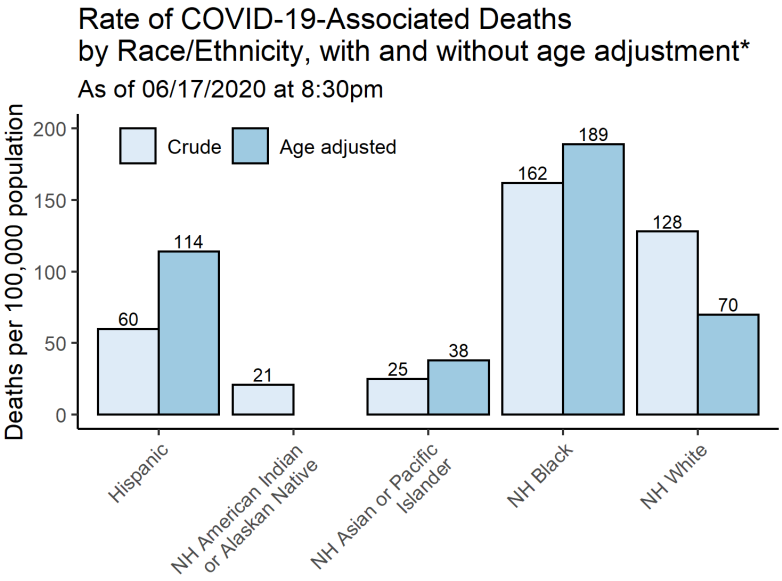




The following graphs show the number of COVID-19 cases and COVID-19-associated deaths per 100,000 population by race and ethnicity. Crude rates represent the total cases or deaths per 100,000 people. Age-adjusted rates consider the age of the person at diagnosis or death when estimating the rate and use a standardized population to provide a fair comparison between population groups with different age distributions. Age-adjustment is important in Connecticut as the median age of among the non-Hispanic white population is 47 years, whereas it is 34 years among non-Hispanic blacks, and 29 years among Hispanics. Because most non-Hispanic white residents who died were over 75 years of age, the age-adjusted rates are lower than the unadjusted rates. In contrast, Hispanic residents who died tend to be younger than 75 years of age which results in higher age-adjusted rates.

The 2018 Connecticut and 2000 US Standard Million populations were used for age adjustment; population estimates from: DPH Population Statistics. *Categories are mutually exclusive. Cases missing data on race/ethnicity are excluded from calculation of rates. NH=Non-Hispanic*





**Age adjusted rates only calculated for groups with at least 30 deaths*