COVID-19 Update October 08, 2020

As of **October 07, 2020, at 8:30 PM**, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is **59748**, including **57332** laboratory-confirmed and **2416** probable cases. **One hundred twenty-eight** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **4527** COVID-19-associated deaths.

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	59748	+384
COVID-19-Associated Deaths	4527	+5
Patients Currently Hospitalized with COVID-19	128	-10
COVID-19 PCR Tests Reported	1776842	+27203

***Includes confirmed plus probable cases*

COVID-19 Cases and Associated Deaths by County of Residence

As of 10/07/20 8:30pm.

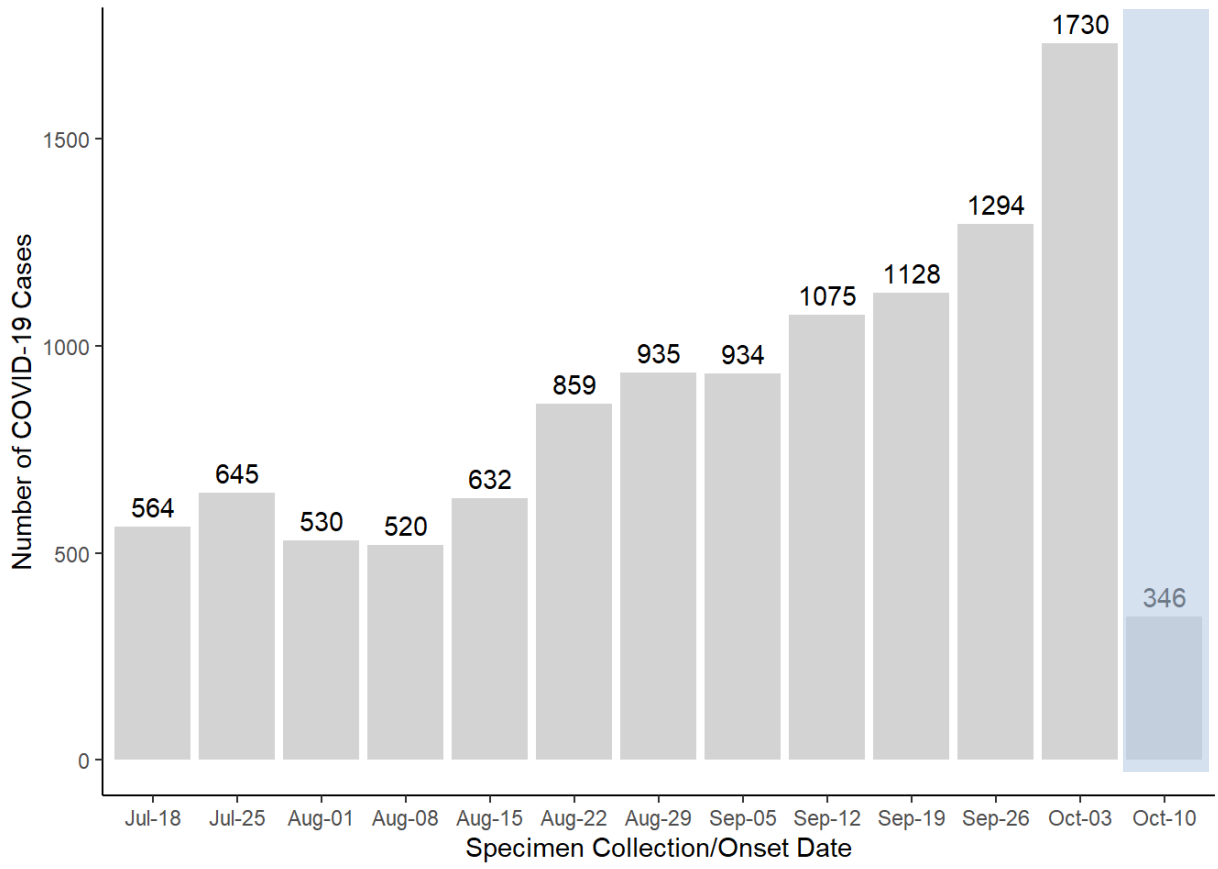
County	COVID-19 Cases		COVID-19-Associated Deaths	
	Confirmed	Probable	Confirmed	Probable
Fairfield County	19870	831	1112	313
Hartford County	14748	686	1120	322
Litchfield County	1829	87	120	21
Middlesex County	1582	70	154	39
New Haven County	14294	536	960	157
New London County	2433	82	95	30
Tolland County	1387	107	52	15
Windham County	1084	13	16	1
Pending address validation	*105*	*4*	*0*	*0*
Total	**57332**	**2416**	**3629**	**898**

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

The chart below shows the number of new COVID-19 cases reported to CT DPH by week of specimen collection or onset of illness. There were 1730 new COVID-19 cases with onset or specimen collected during September 27–October 3, corresponding to an average of 6.9 new cases per 100,000 population per day. In comparison, there were an average of 2.3 new cases per 100,000 population per day during July 19–August 15.



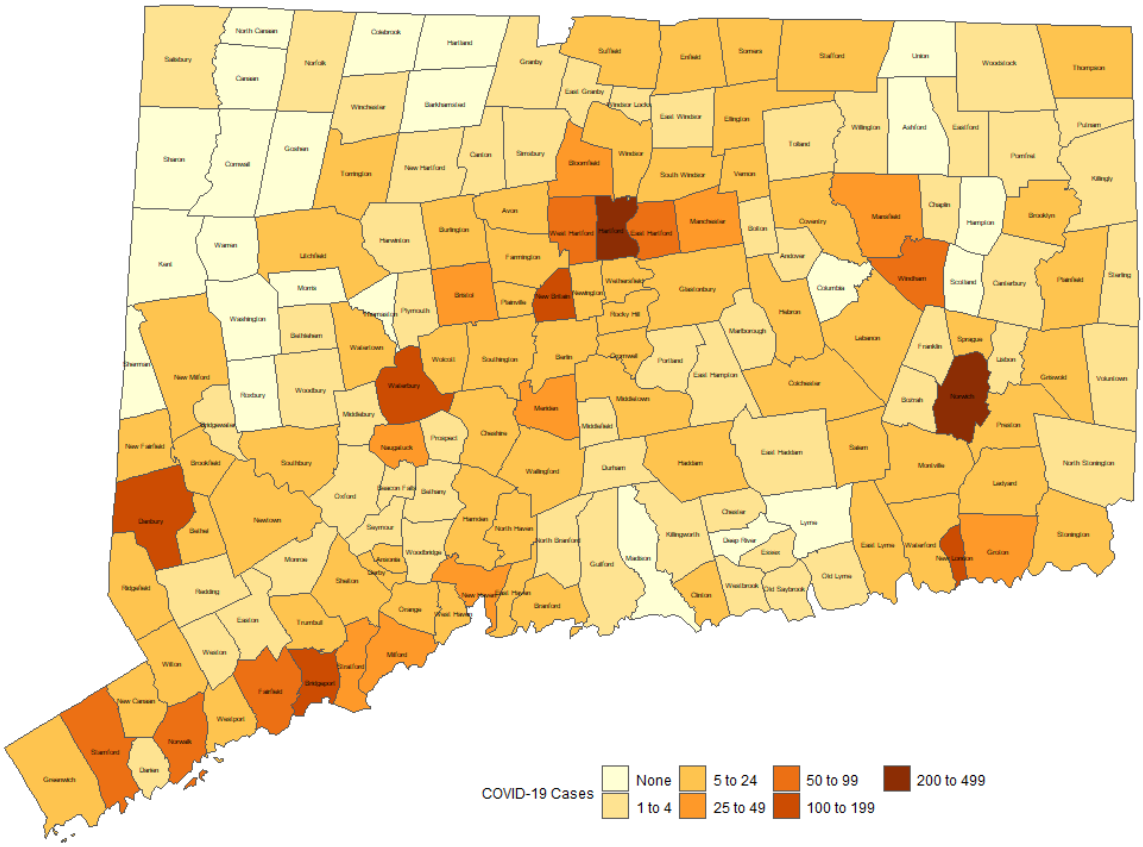
Shading indicates data are incomplete for the current week.

Community Transmission of COVID-19

The map below shows the distribution of 2970 new COVID-19 cases during September 20–October 3 among people living in community settings. Cases among persons residing in nursing homes, assisted living facilities, and correctional facilities are excluded. Darker colors indicate towns with more cases.

During this two-week period, there were more than 100 new COVID-19 cases in seven towns: Bridgeport, Danbury, Hartford, New Britain, New London, Norwich, and Waterbury.

Number of COVID-19 Cases among Persons Living in Community Settings by Town
with Specimen Collection or Onset Date During September 20-October 3

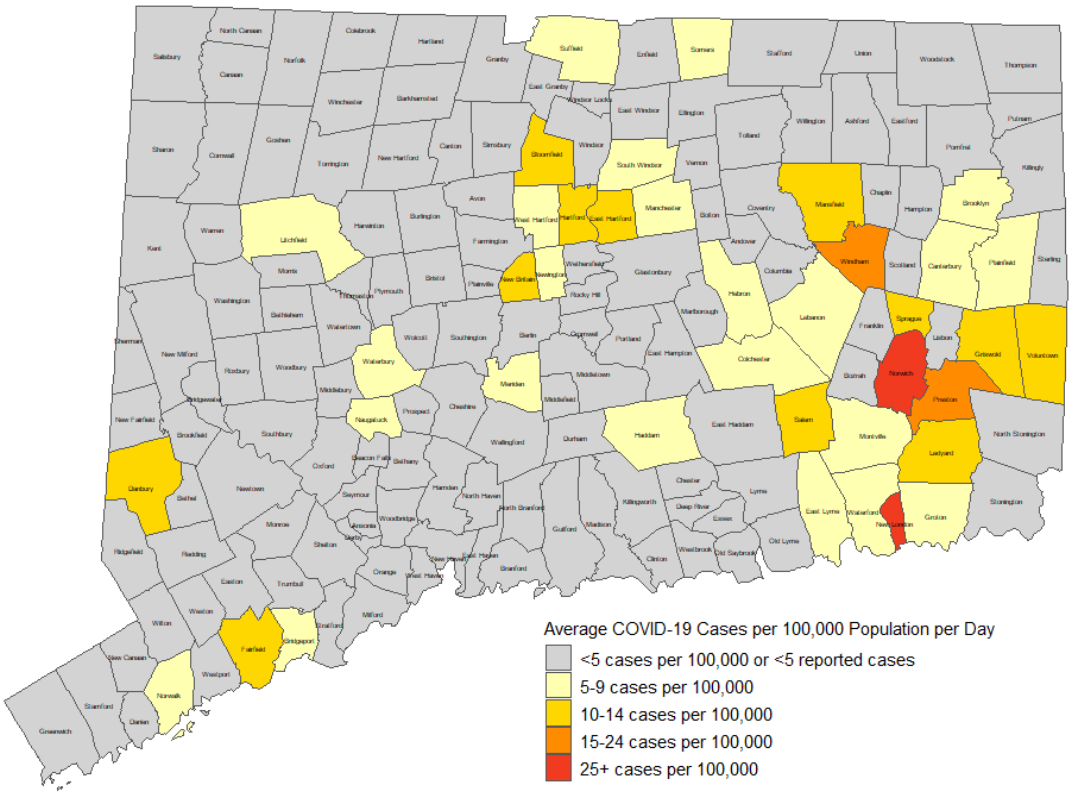


Map does not include 8 cases pending address validation

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 next map below shows the average number of new cases per 100,000 population per day, with darker colors indicating higher rates. Cases among persons residing in nursing homes, assisted living facilities, and correctional facilities are excluded.

Among towns with at least 5 new COVID-19 cases during September 20–October 3, two towns had an average rate of more than 25 cases per 100,000 population per day (Norwich and New London). Two other towns had an average rate of 15-24 cases per 100,000 population per day (Preston and Windham).

Average Daily Rate of COVID-19 Cases among Persons Living in Community Settings
per 100,000 Population by Town with Specimen Collection or Onset Date During September 20-October 3



Map does not include 8 cases pending address validation

Population, Number and Average Daily Rate of COVID-19 Cases among Persons Living in Community Settings by Town with Specimen Collection or Onset Date during September 20–October 3, 2020

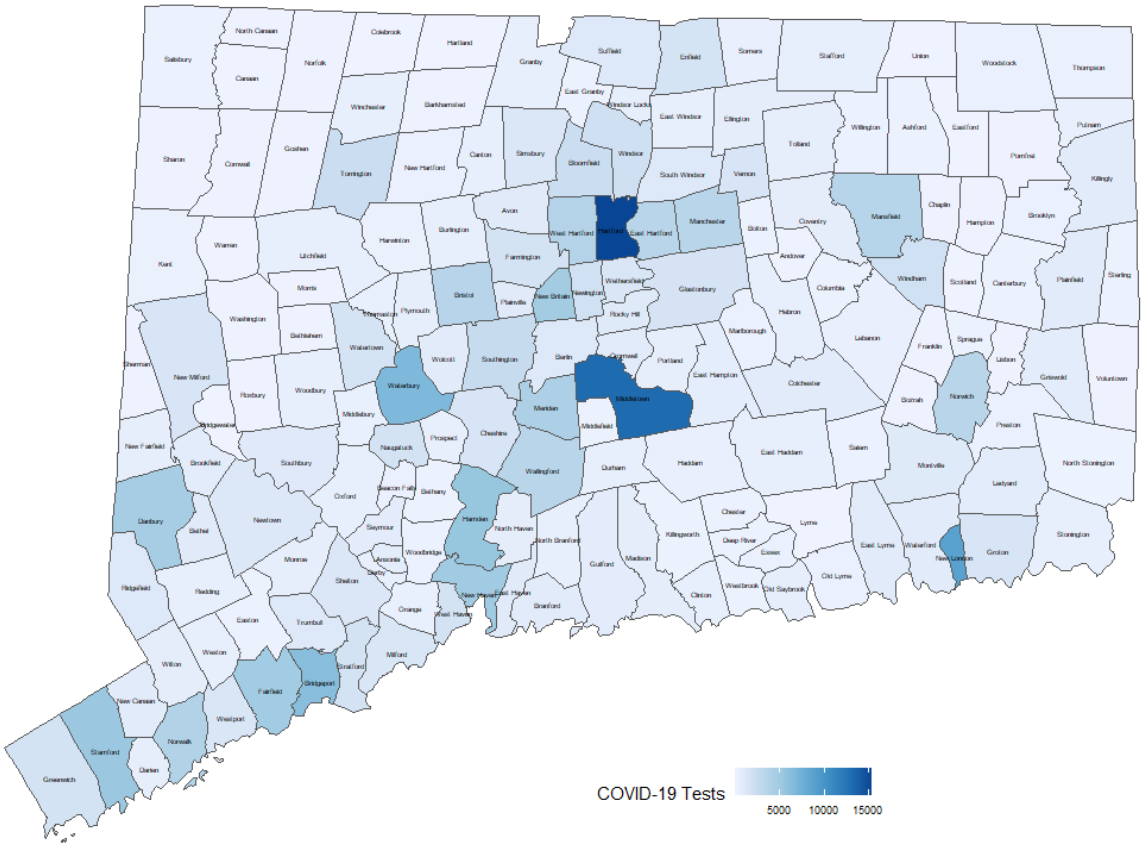
Map does not include 8 cases pending address validation. Daily rate is average number of cases per day per 100,000 population.

Town	Pop	Cases	Rate	Town	Pop	Cases	Rate	Town	Pop	Cases	Rate
Andover	3231	<5	4.4	Groton	38692	41	7.6	Prospect	9790	5	3.6
Ansonia	18721	10	3.8	Guilford	22216	<5	1.3	Putnam	9395	<5	2.3
Ashford	4261	0	0	Haddam	8222	6	5.2	Redding	9125	<5	2.3
Avon	18302	8	3.1	Hamden	60940	20	2.3	Ridgefield	25008	9	2.6
Barkhamsted	3624	0	0	Hampton	1853	0	0	Rocky Hill	20145	7	2.5
Beacon Falls	6182	<5	2.3	Hartford	122587	204	11.9	Roxbury	2160	0	0
Berlin	20432	10	3.5	Hartland	2120	0	0	Salem	4123	8	13.9
Bethany	5479	<5	3.9	Harwinton	5430	<5	1.3	Salisbury	3598	<5	4.0
Bethel	19714	10	3.6	Hebron	9482	11	8.3	Scotland	1685	0	0
Bethlehem	3422	<5	2.1	Kent	2785	0	0	Seymour	16509	<5	1.7
Bloomfield	21301	35	11.7	Killingly	17287	<5	1.7	Sharon	2703	0	0
Bolton	4890	<5	5.8	Killingworth	6370	<5	3.4	Shelton	41097	12	2.1
Bozrah	2537	<5	5.6	Lebanon	7207	10	9.9	Sherman	3614	0	0
Branford	28005	7	1.8	Ledyard	14736	22	10.7	Simsbury	24979	5	1.4
Bridgeport	144900	109	5.4	Lisbon	4248	<5	5.0	Somers	10834	10	6.6
Bridgewater	1641	<5	4.4	Litchfield	8127	11	9.7	South			
Bristol	60032	38	4.5	Lyme	2338	0	0	Windsor	26054	19	5.2
Brookfield	17002	7	2.9	Madison	18106	0	0	Southbury	19656	6	2.2
Brooklyn	8280	10	8.6	Manchester	57699	47	5.8	Southington	43807	17	2.8
Burlington	9665	6	4.4	Mansfield	25817	41	11.3	Sprague	2889	6	14.8
Canaan	1055	0	0	Marlborough	6358	<5	2.2	Stafford	11884	6	3.6
Canterbury	5100	5	7.0	Meriden	59540	43	5.2	Stamford	129775	90	5.0
Canton	10270	5	3.5	Middlebury	7731	<5	1.8	Sterling	3780	<5	1.9
Chaplin	2256	<5	6.3	Middlefield	4380	<5	3.3	Stonington	18449	8	3.1
Cheshire	29179	18	4.4	Middletown	46146	19	2.9	Stratford	51967	29	4.0
Chester	4229	<5	3.4	Milford	54661	26	3.4	Suffield	15743	16	7.3
Clinton	12950	7	3.9	Monroe	19470	<5	1.5	Thomaston	7560	0	0
Colchester	15936	21	9.4	Montville	18716	25	9.5	Thompson	9395	6	4.6
Colebrook	1405	0	0	Morris	2262	0	0	Tolland	14655	5	2.4
Columbia	5385	0	0	Naugatuck	31288	32	7.3	Torrington	34228	11	2.3
Cornwall	1368	0	0	New Britain	72453	145	14.3	Trumbull	35802	8	1.6
Coventry	12414	8	4.6	New Canaan	20213	9	3.2	Union	840	0	0
Cromwell	13905	9	4.6	New Fairfield	13877	6	3.1	Vernon	29303	20	4.9
Danbury	84730	168	14.2	New Hartford	6685	<5	1.1	Voluntown	2535	5	14.1
Darien	21753	5	1.6	New Haven	130418	44	2.4	Wallingford	44535	23	3.7
Deep River	4463	0	0	New London	26939	115	30.5	Warren	1399	0	0
Derby	12515	8	4.6	New Milford	26974	7	1.9	Washington	3434	0	0
Durham	7195	<5	3.0	Newington	30112	24	5.7	Waterbury	108093	137	9.1
East Granby	5147	<5	1.4	Newtown	27774	9	2.3	Waterford	18887	21	7.9
East Haddam	8988	<5	2.4	Norfolk	1640	<5	4.4	Watertown	21641	15	5.0
East Hampton	12854	5	2.8	North				West Hartford	62939	61	6.9
East Hartford	49998	80	11.4	Branford	14158	5	2.5	West Haven	54879	21	2.7
East Haven	28699	11	2.7	North Canaan	3254	0	0	Westbrook	6914	<5	3.1
East Lyme	18645	22	8.4	North Haven	23691	7	2.1	Weston	10247	<5	2.1
East Windsor	11375	<5	0.6	North				Westport	28115	11	2.8
Eastford	1790	<5	8.0	Stonington	5243	<5	2.7	Wethersfield	26082	17	4.7
Easton	7517	<5	2.9	Norwalk	89047	68	5.5	Willington	5887	<5	1.2
Ellington	16299	7	3.1	Norwich	39136	257	46.9	Wilton	18397	6	2.3
Enfield	44466	22	3.5	Old Lyme	7366	<5	1.0	Winchester	10655	<5	2.0
Essex	6674	<5	2.1	Old Saybrook	10087	<5	2.1	Windham	24706	83	24.0
Fairfield	61952	96	11.1	Orange	13949	6	3.1	Windsor	28760	15	3.7
Farmington	25506	16	4.5	Oxford	13226	5	2.7	Windsor Locks	12876	<5	2.2
Franklin	1933	<5	11.1	Plainfield	15173	15	7.1	Wolcott	16649	8	3.4
Glastonbury	34491	22	4.6	Plainville	17623	9	3.6	Woodbridge	8805	5	4.1
Goshen	2879	0	0	Plymouth	11645	<5	1.2	Woodbury	9537	<5	2.2
Granby	11375	<5	1.9	Pomfret	4204	<5	1.7	Woodstock	7862	<5	0.9
Greenwich	62727	7	0.8	Portland	9305	<5	3.1				
Griswold	11591	24	14.8	Preston	4638	15	23.1				

COVID-19 PCR Tests during September 20–October 3, 2020

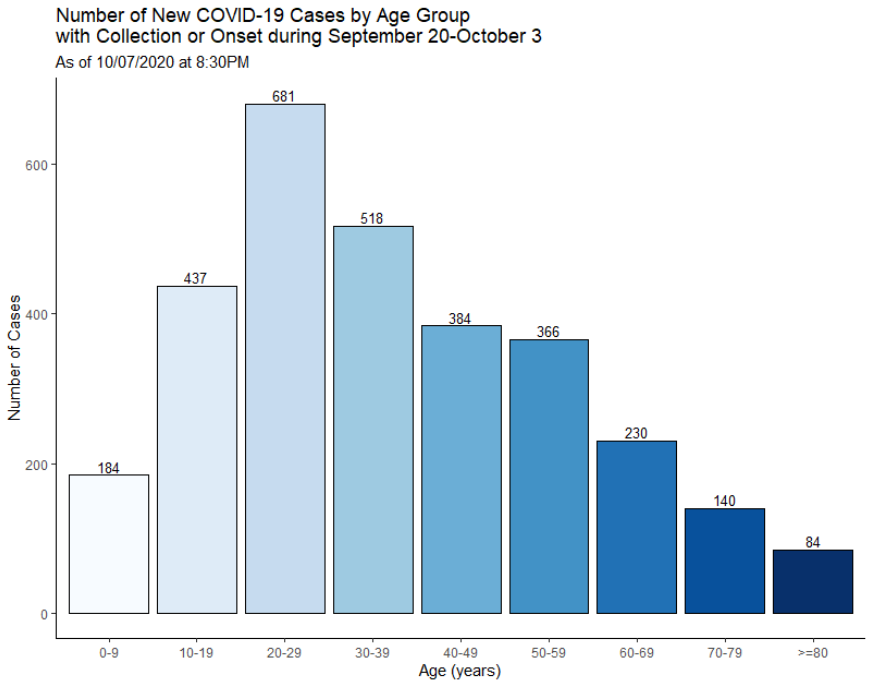
Among 232,950 PCR tests for COVID-19 with specimen collection date during September 20–October 3, 213,693 (92%) tests were conducted among people who did not reside in congregate settings (including nursing homes, assisted living, and correctional facilities). Of these 213,693 tests, 3260 (1%) were positive. The map below shows the number of PCR COVID-19 tests by town with specimen collection date during September 20–October 3 that were conducted among community residents.

Number of PCR Tests for COVID-19 among Persons Living in Community Settings by Town with Specimen Collection Date During September 20-October 3



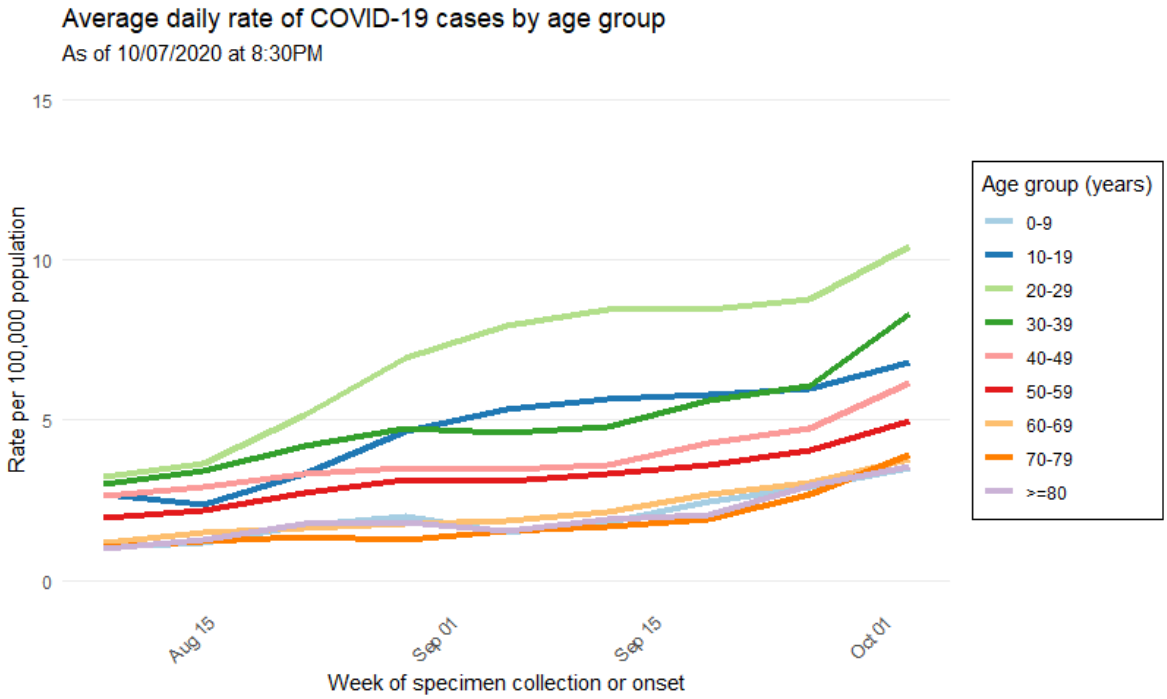
Map does not include 5141 tests pending address validation

Age Distribution of COVID-19 Cases with Specimen Collection or Onset During Sep. 20–Oct. 3, 2020



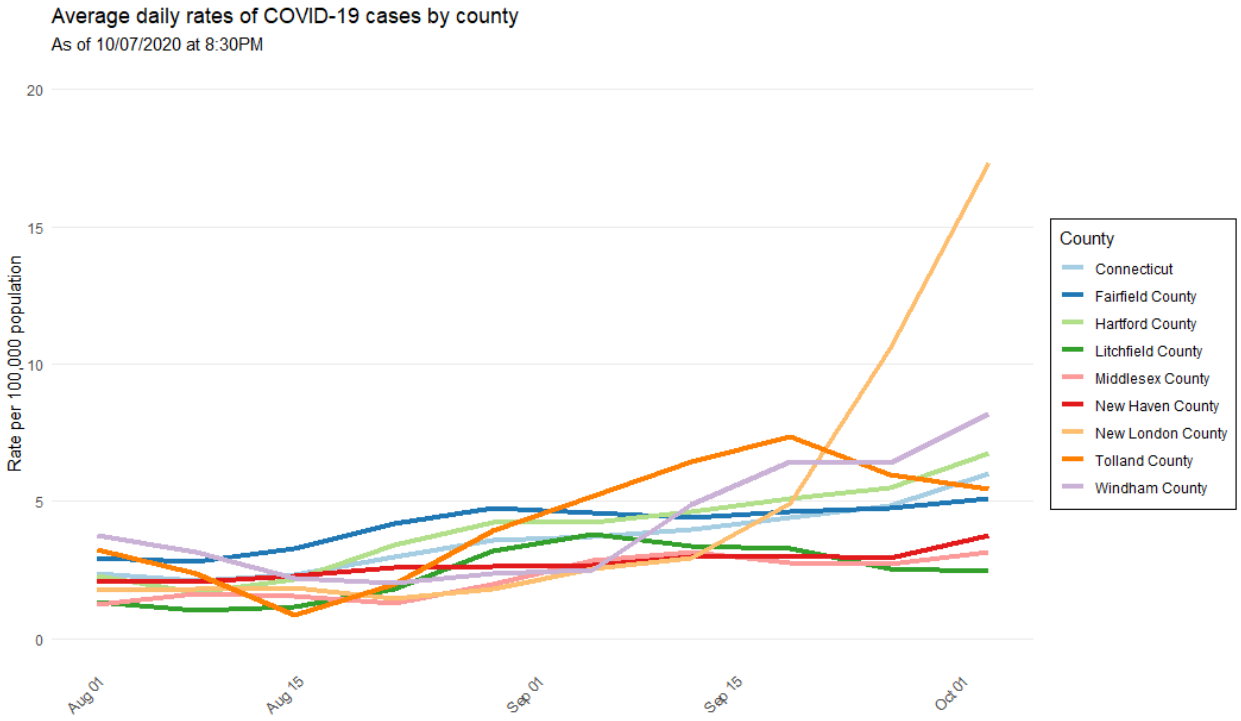
Average Daily Incidence by Age Group

The chart below shows the average number of new COVID-19 cases per day per 100,000 population by age group. The rates in this chart are calculated by averaging the number of new cases diagnosed each day during the previous two weeks, dividing by the annual population in each age group, and then multiplying by 100,000.



Average Daily Incidence by County

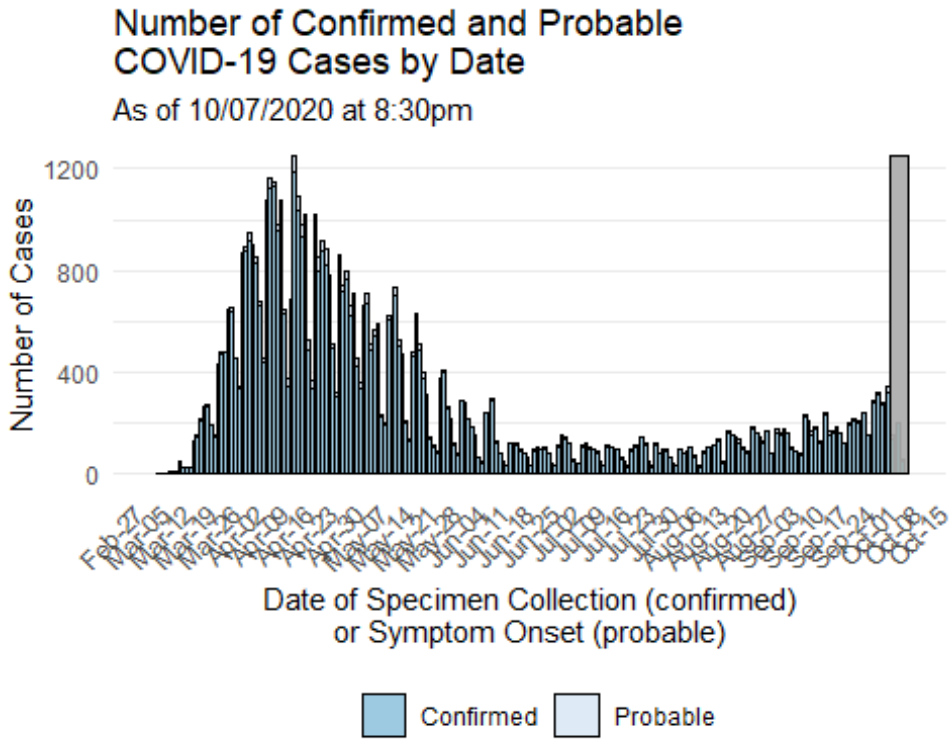
The chart below shows the average number of new COVID-19 cases per day per 100,000 population in the state of Connecticut and for each Connecticut county. The rates in this chart are calculated by averaging the number of new cases diagnosed each day during the previous two weeks, dividing by the annual estimated population, and then multiplying by 100,000.

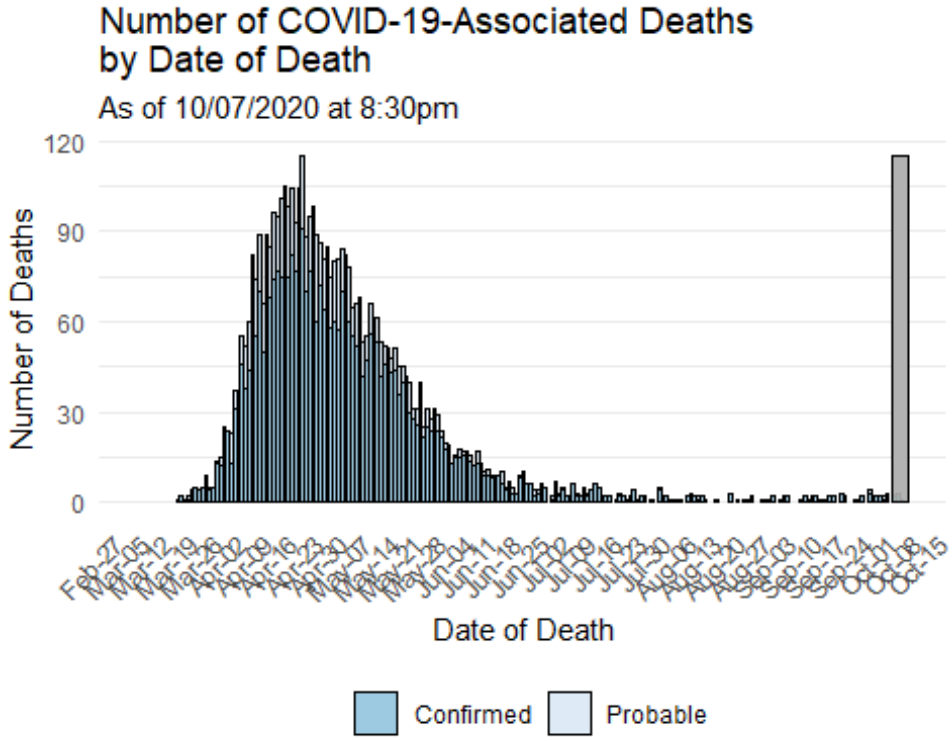


Note: Cases pending address validation are excluded from rate calculations.

Cumulative Number of COVID-19 Cases and COVID-19-Associated deaths by Dates

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.



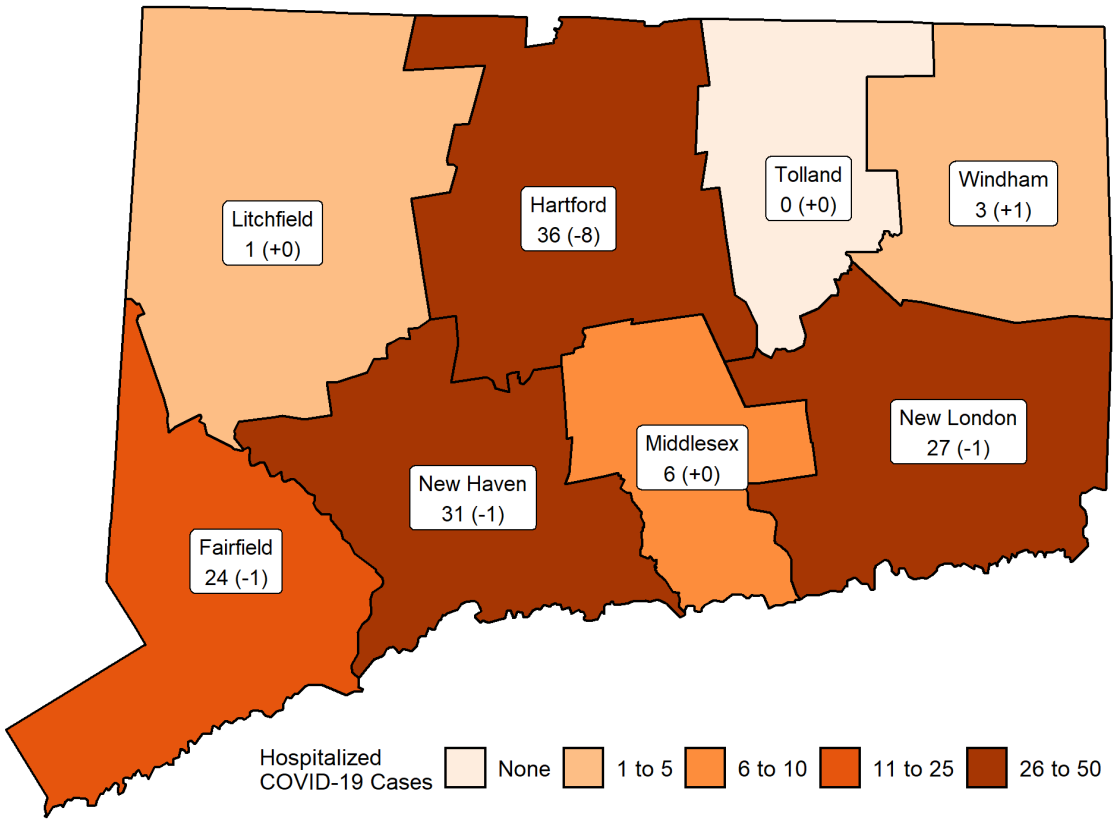


Hospitalization Surveillance

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

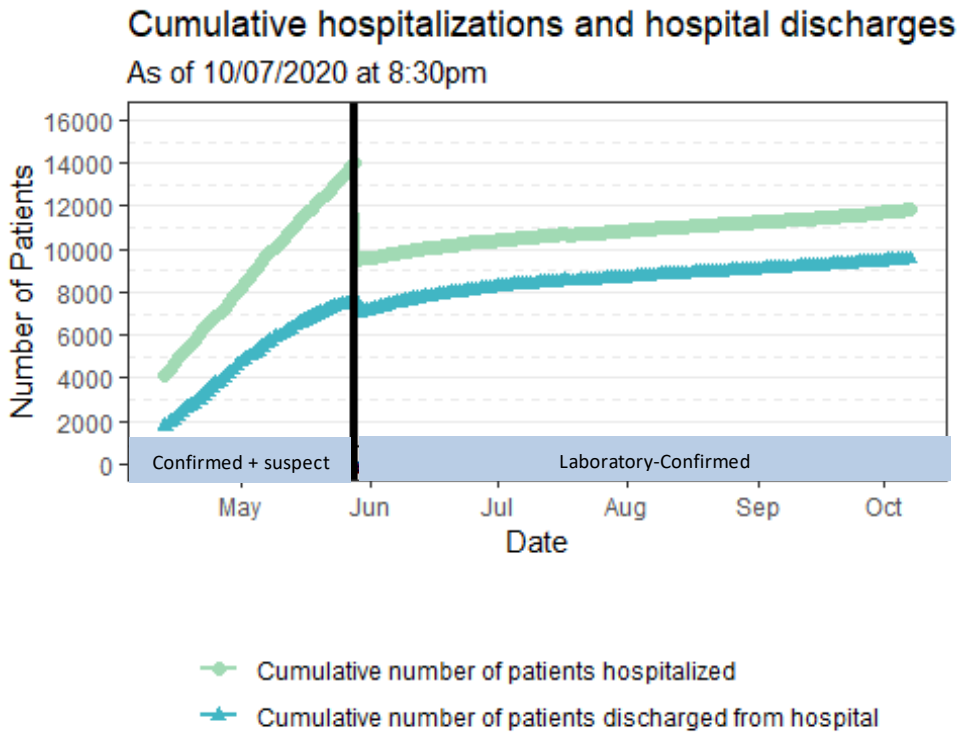
Distribution by location of hospital not patient residence. Data from the Connecticut Hospital Association.



More information about hospitalized cases of COVID-19 in New Haven and Middlesex Counties is available from COVID-NET.

Cumulative hospitalizations and cumulative hospital discharges for COVID-19

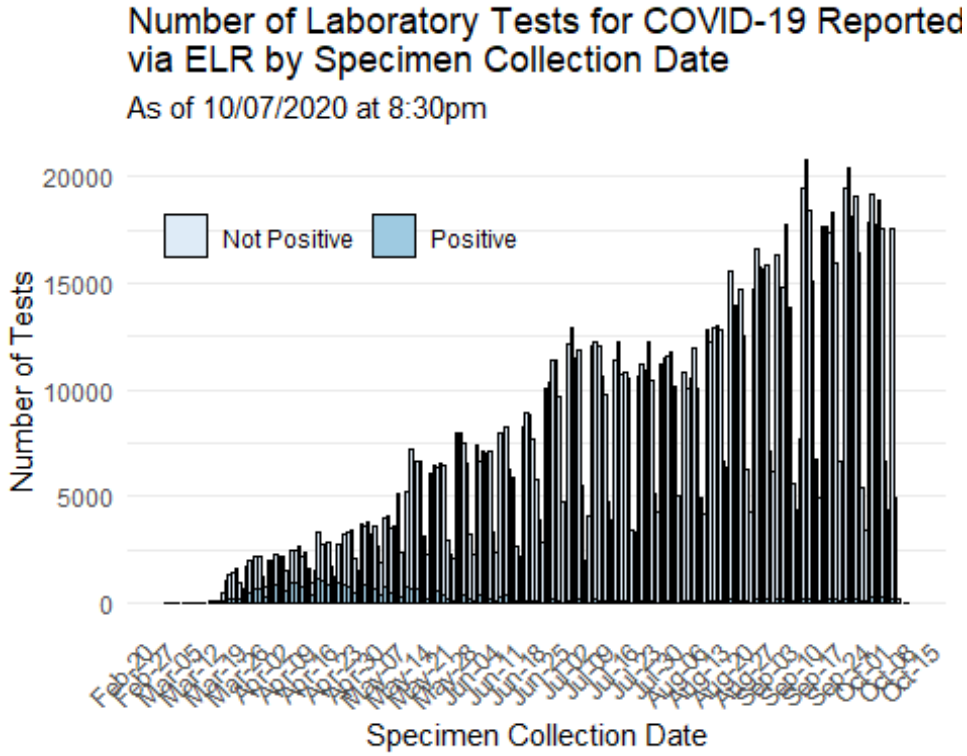
The chart below shows information on cumulative hospitalizations and hospital discharges for patients with COVID-19. Data were collected by the Connecticut Hospital Association. Starting on May 29, 2020, CHA changed to reporting only the number of patients with laboratory-confirmed COVID-19; data for previous dates include patients with laboratory-confirmed or suspected COVID-19. To date, **11845** patients have been hospitalized with laboratory-confirmed COVID-19 in Connecticut and **9522** patients hospitalized with laboratory-confirmed have been discharged.



**Test results may be reported several days after the date of collection. Data from previous dates are routinely updated.*

Laboratory Surveillance

To date, DPH has received reports on a total of 1776842 COVID-19 laboratory tests; of these 1574060 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.

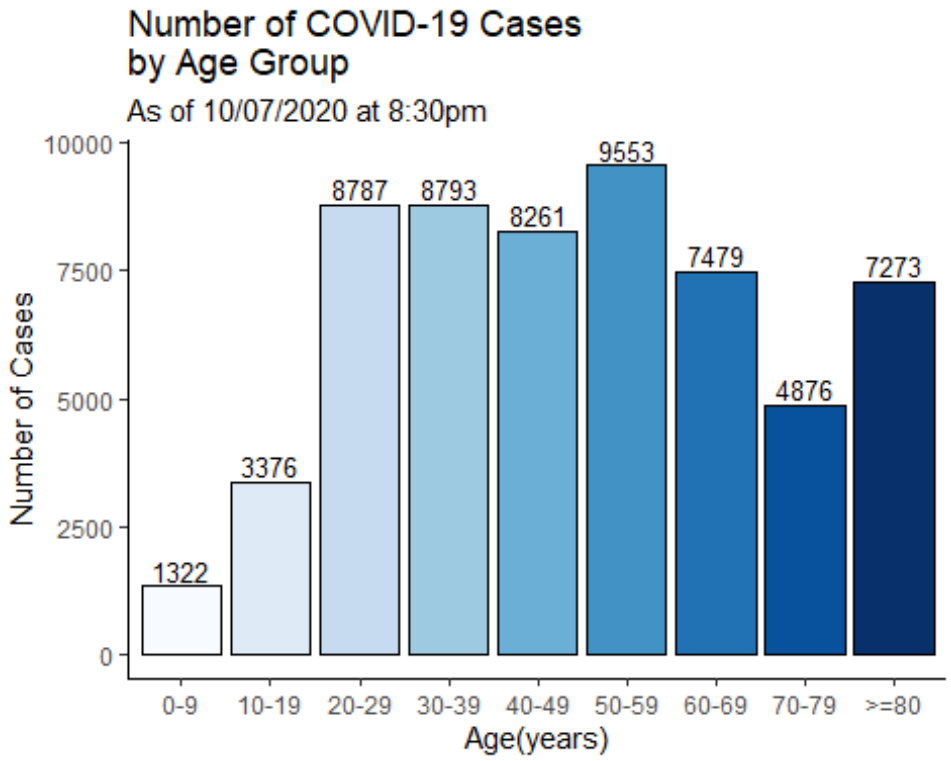


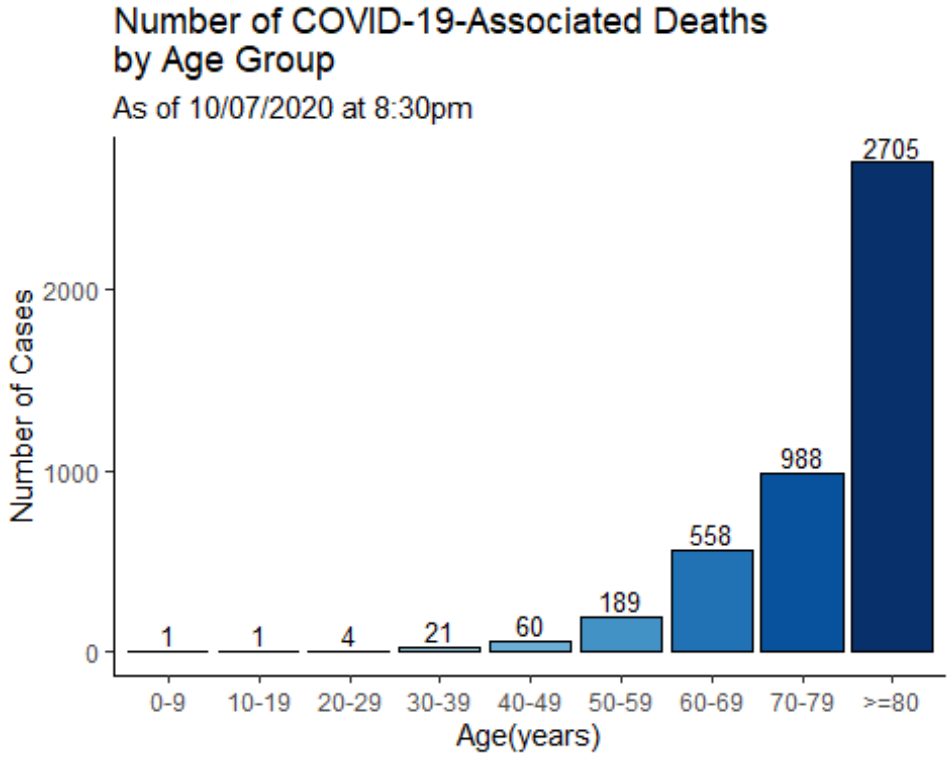
Testing of specimens collected since October 4 is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.

ELR = Electronic Laboratory Reporting

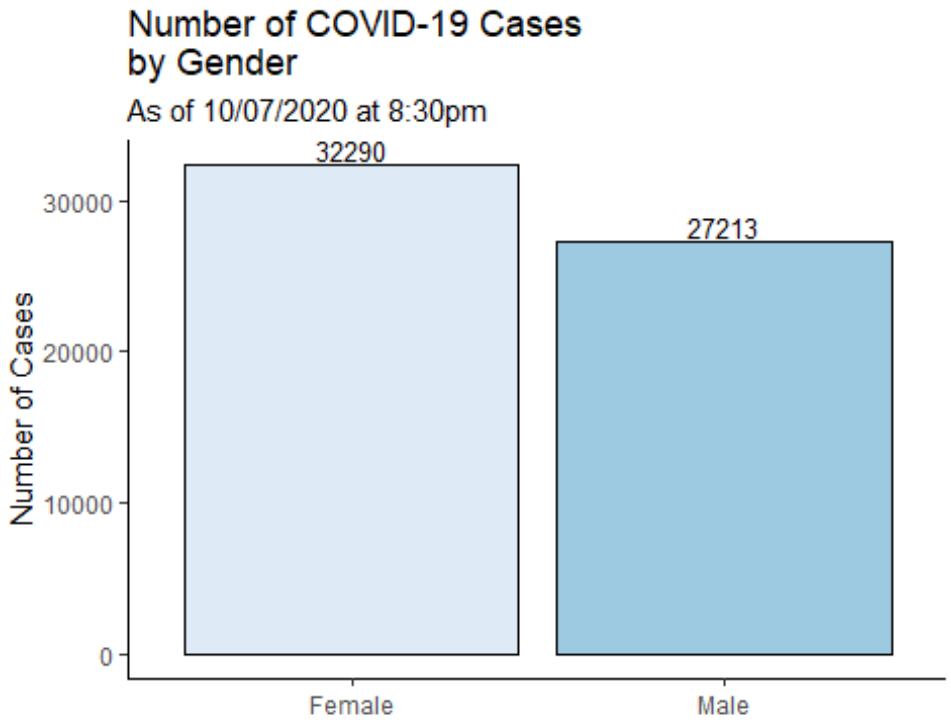
Characteristics of COVID-19 Cases and Associated Deaths

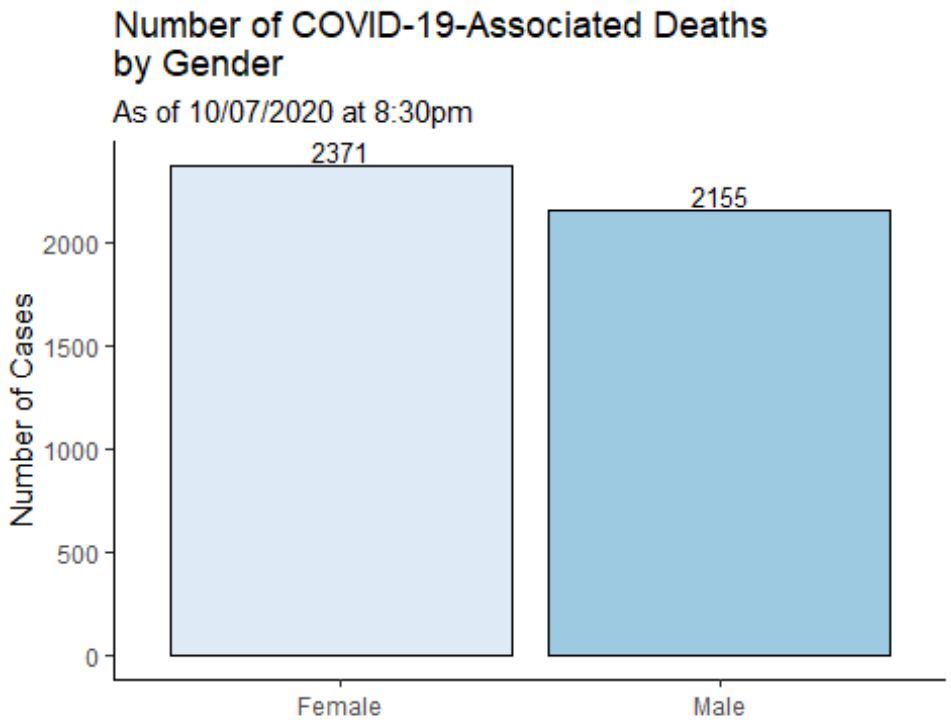
Counts may not add up to total case count because demographic data may be missing.





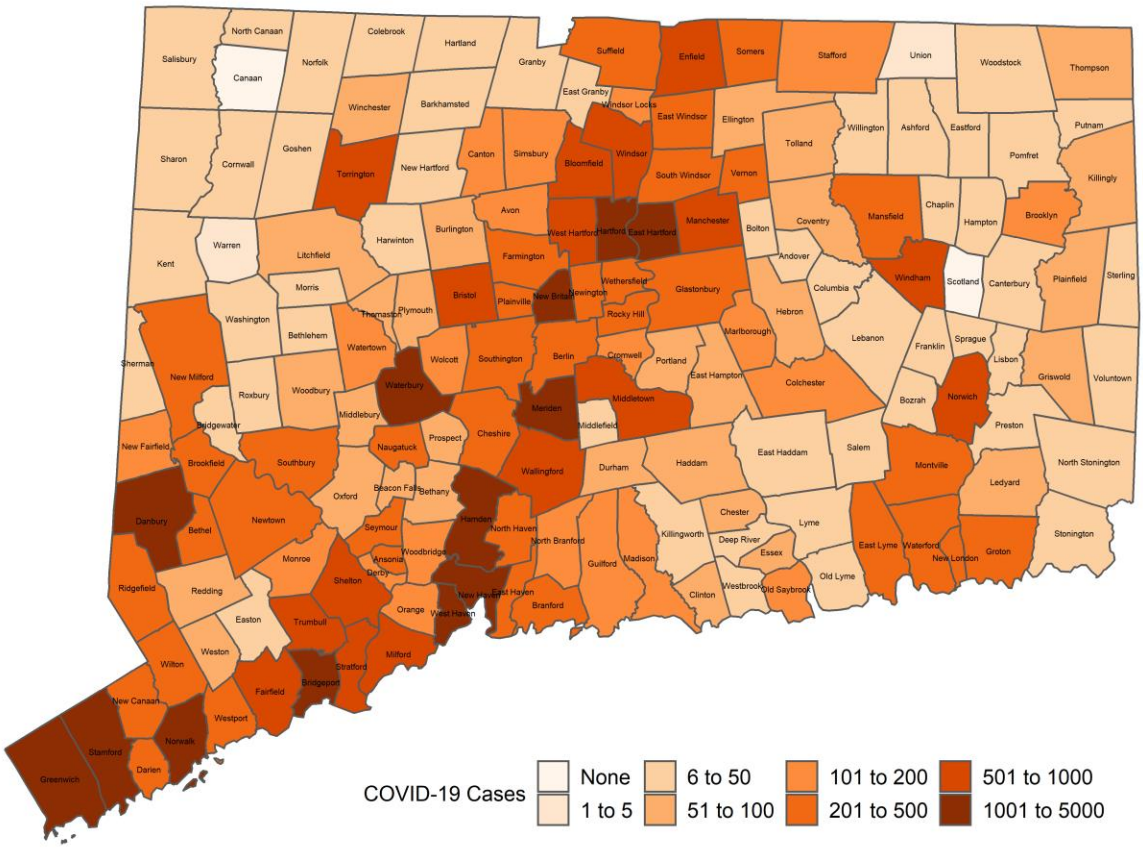
Counts may not add up to total case count because demographic data may be missing.





Cumulative Number of COVID-19 Cases by Town

Map does not include 105 cases pending address validation

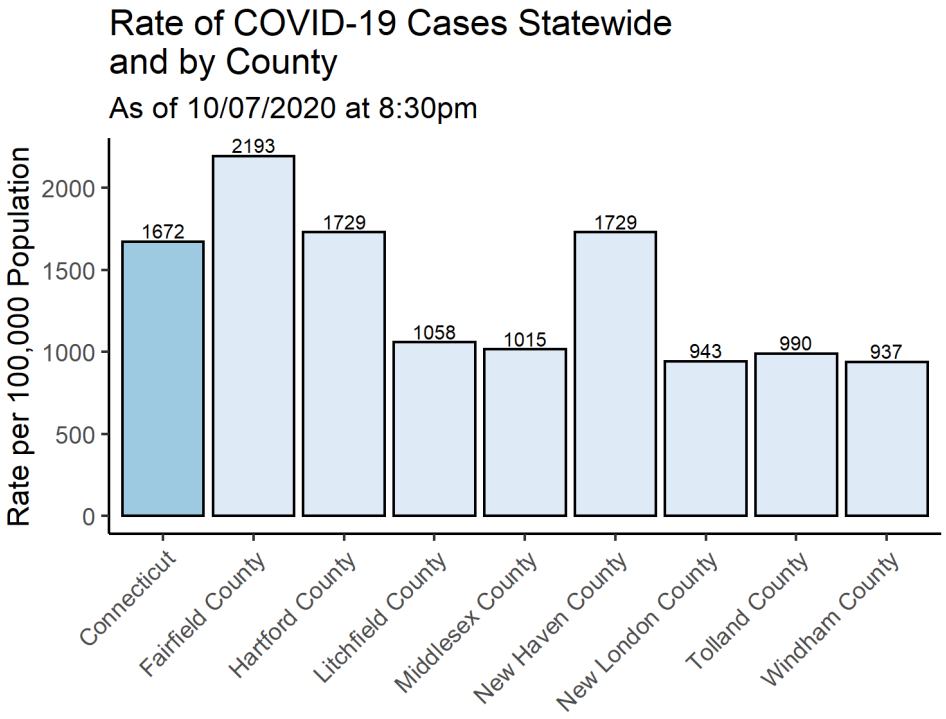


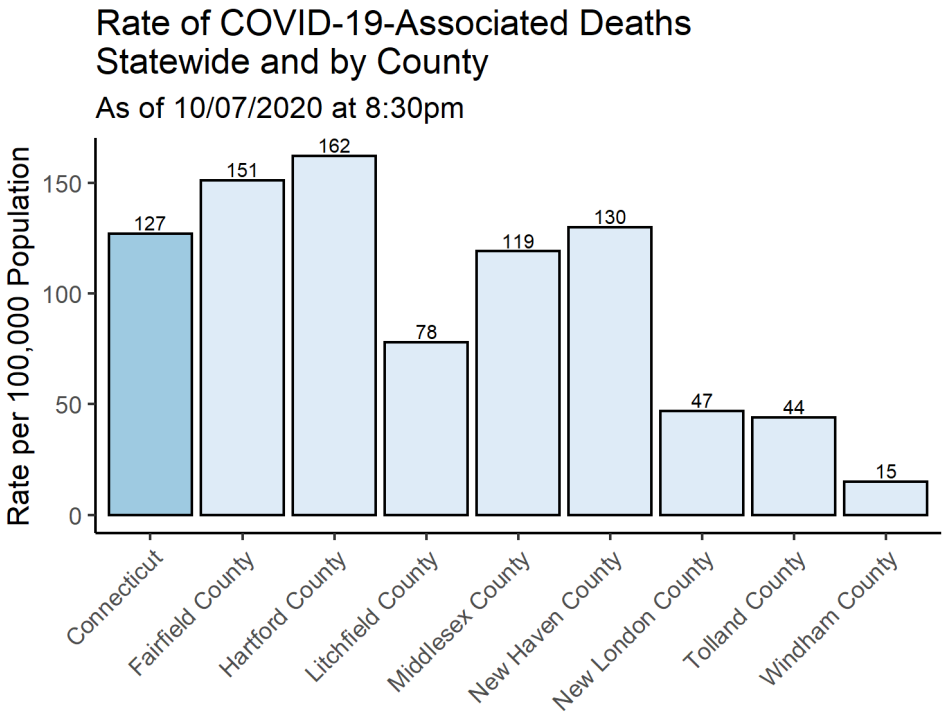
APPENDIX A. Cumulative Number of COVID-19 Cases by Town

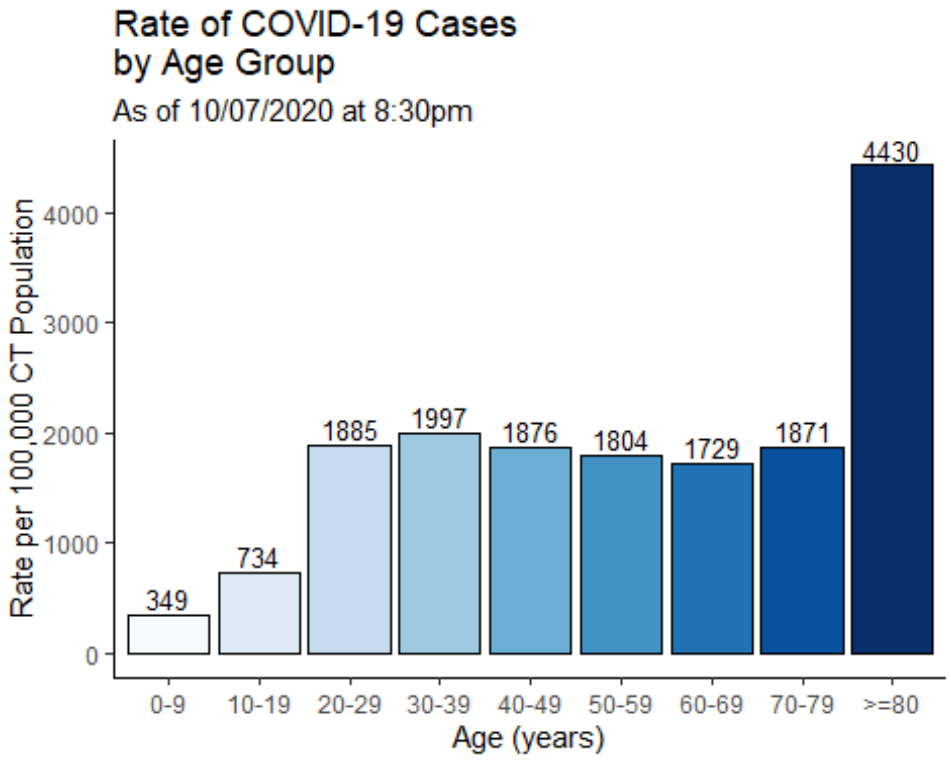
Table does not include 105 cases pending address validation

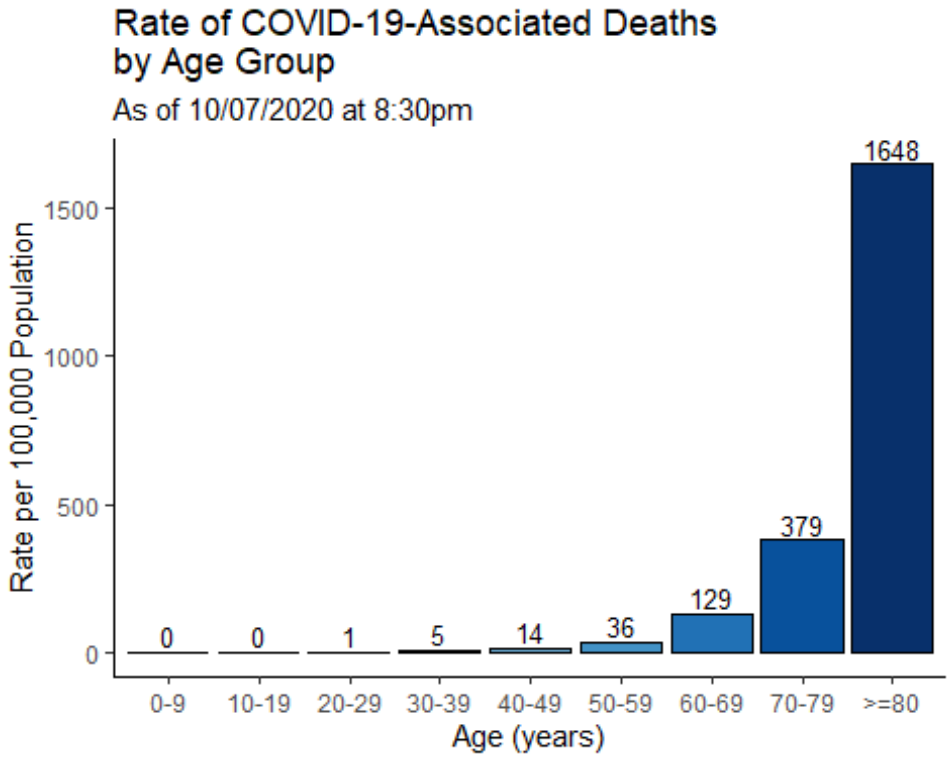
Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	11	0	Griswold	80	2	Prospect	82	0
Ansonia	322	8	Groton	240	17	Putnam	48	1
Ashford	24	1	Guilford	133	10	Redding	79	7
Avon	187	10	Haddam	55	1	Ridgefield	275	14
Barkhamsted	31	2	Hamden	1119	45	Rocky Hill	469	19
Beacon Falls	65	1	Hampton	8	0	Roxbury	15	3
Berlin	213	10	Hartford	3367	128	Salem	25	0
Bethany	50	1	Hartland	7	0	Salisbury	28	1
Bethel	316	23	Harwinton	36	3	Scotland	0	0
Bethlehem	13	1	Hebron	49	2	Seymour	246	11
Bloomfield	599	30	Kent	18	3	Sharon	15	0
Bolton	32	2	Killingly	62	5	Shelton	700	44
Bozrah	18	0	Killingworth	24	0	Sherman	16	5
Branford	378	17	Lebanon	44	0	Simsbury	155	13
Bridgeport	4236	128	Ledyard	70	0	Somers	297	21
Bridgewater	14	2	Lisbon	17	0	South Windsor	194	16
Bristol	747	18	Litchfield	65	2	Southbury	220	5
Brookfield	220	12	Lyme	8	1	Southington	410	16
Brooklyn	177	2	Madison	172	9	Sprague	16	1
Burlington	50	2	Manchester	888	60	Stafford	116	10
Canaan	0	0	Mansfield	293	41	Stamford	3700	80
Canterbury	27	1	Marlborough	100	5	Sterling	10	0
Canton	101	9	Meriden	1115	38	Stonington	43	6
Chaplin	9	0	Middlebury	59	6	Stratford	948	47
Cheshire	279	8	Middlefield	28	1	Suffield	194	17
Chester	54	1	Middletown	704	27	Thomaston	76	2
Clinton	81	4	Milford	738	28	Thompson	56	1
Colchester	127	4	Monroe	152	5	Tolland	63	8
Colebrook	6	0	Montville	339	7	Torrington	621	25
Columbia	30	0	Morris	15	0	Trumbull	574	55
Cornwall	6	0	Naugatuck	476	18	Union	4	1
Coventry	71	4	New Britain	1628	60	Vernon	307	13
Cromwell	147	14	New Canaan	219	4	Voluntown	19	0
Danbury	2919	140	New Fairfield	144	6	Wallingford	579	15
Darien	264	9	New Hartford	40	0	Warren	5	0
Deep River	18	2	New Haven	3018	84	Washington	29	1
Derby	199	0	New London	344	9	Waterbury	2475	106
Durham	57	5	New Milford	349	22	Waterford	204	8
East Granby	16	0	Newington	465	20	Watertown	184	9
East Haddam	36	0	Newtown	289	18	West Hartford	893	62
East Hampton	67	5	Norfolk	15	1	West Haven	1192	52
East Hartford	1158	59	North Branford	96	7	Westbrook	45	0
East Haven	443	28	North Canaan	11	1	Weston	89	5
East Lyme	194	14	North Haven	309	10	Westport	372	16
East Windsor	205	14	North Stonington	18	1	Wethersfield	311	8
Eastford	14	0	Norwalk	2261	66	Willington	25	1
Easton	44	2	Norwich	532	10	Wilton	241	27
Ellington	89	4	Old Lyme	29	0	Winchester	74	1
Enfield	747	15	Old Saybrook	125	4	Windham	502	1
Essex	58	0	Orange	153	5	Windsor	625	47
Fairfield	847	71	Oxford	95	4	Windsor Locks	150	6
Farmington	270	10	Plainfield	88	1	Wolcott	140	8
Franklin	19	0	Plainville	202	2	Woodbridge	141	12
Glastonbury	355	28	Plymouth	83	5	Woodbury	66	2
Goshen	14	1	Pomfret	22	0	Woodstock	37	0
Granby	42	2	Portland	83	6			
Greenwich	965	47	Preston	47	2			

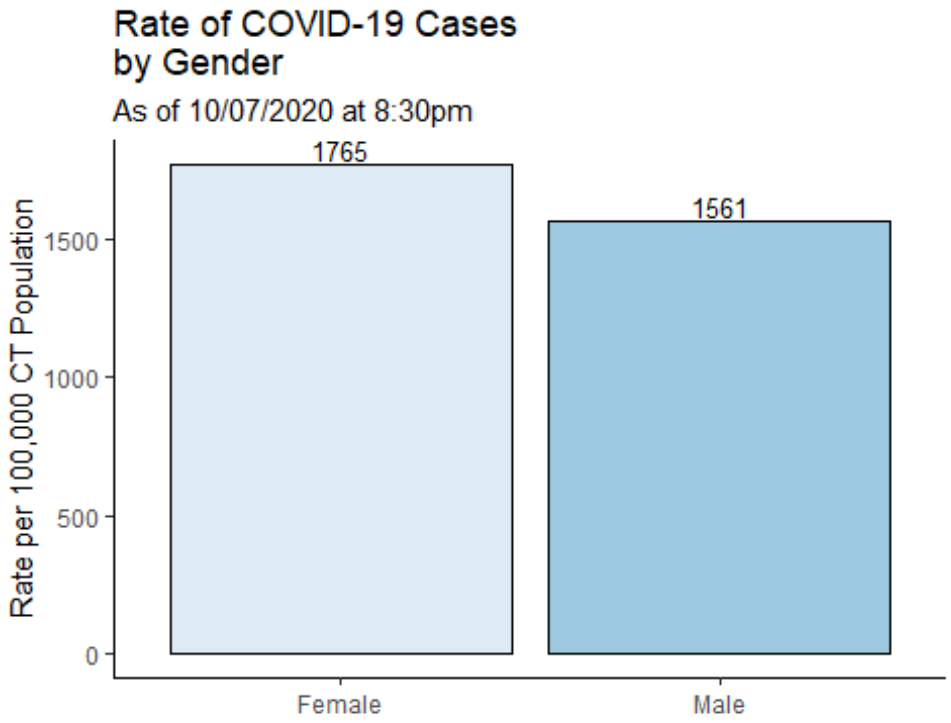
APPENDIX B. The following graphs show the number of cases per 100,000 Connecticut residents statewide and by county, age group, and gender. Population estimate from: [DPH Population Statistics]

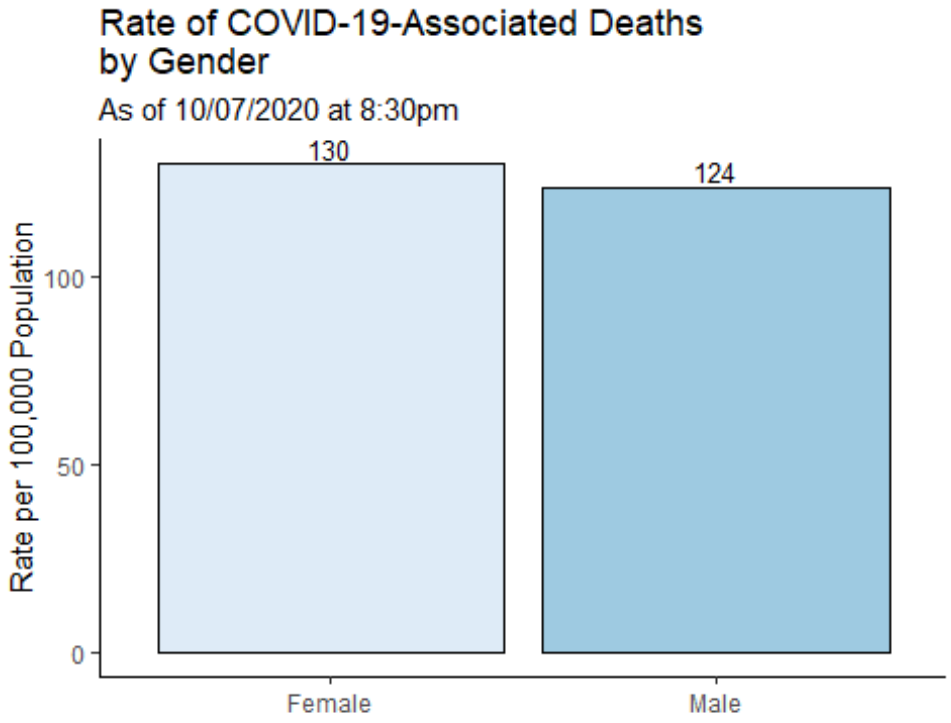




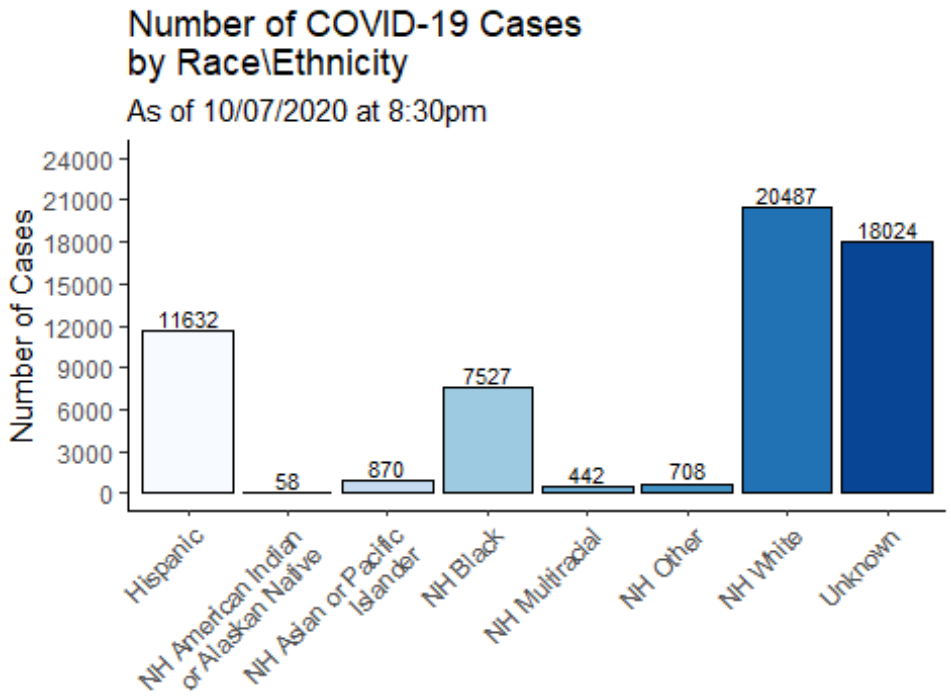

Rate of COVID-19 Cases
by Age Group
As of 10/07/2020 at 8:30pm
Rate per 100,000 CT Population
0
1000
2000
3000
4000
349
734
1885
1997
1876
1804
1729
1871
4430
0-9
10-19
20-29
30-39
40-49
50-59
60-69
70-79
>=80
Age (years)

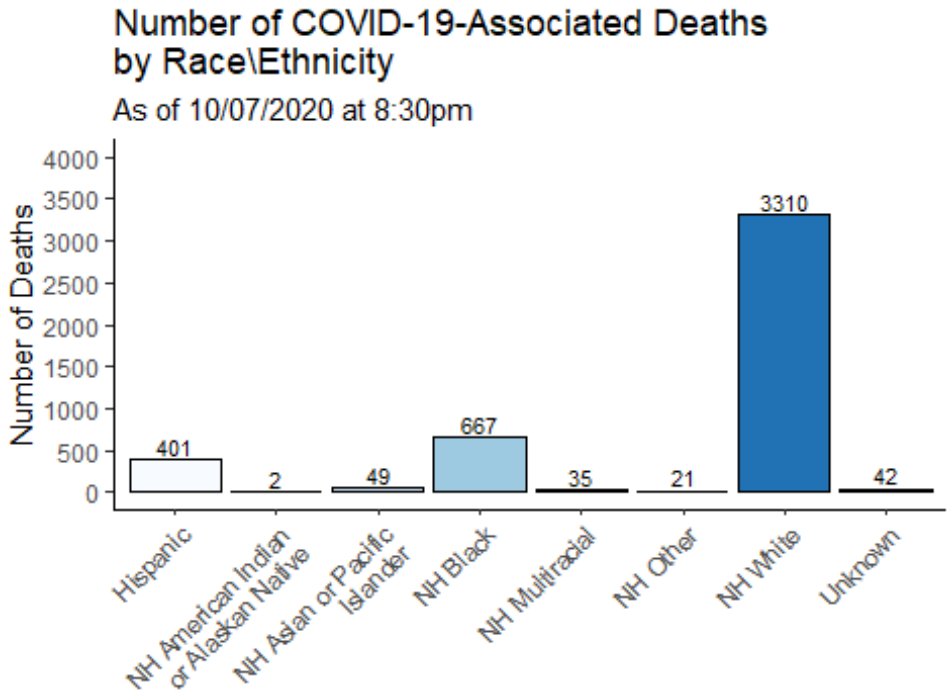

Rate of COVID-19-Associated Deaths
by Age Group
As of 10/07/2020 at 8:30pm
Rate per 100,000 Population
0
500
1000
1500
0
0
1
5
14
36
129
379
1648
0-9
10-19
20-29
30-39
40-49
50-59
60-69
70-79
>=80
Age (years)


Rate of COVID-19 Cases
by Gender
As of 10/07/2020 at 8:30pm
Rate per 100,000 CT Population
1765
1561
1500
1000
500
0
Female
Male


Rate of COVID-19-Associated Deaths
by Gender
As of 10/07/2020 at 8:30pm
Rate per 100,000 Population
130
124
100
50
0
Female
Male

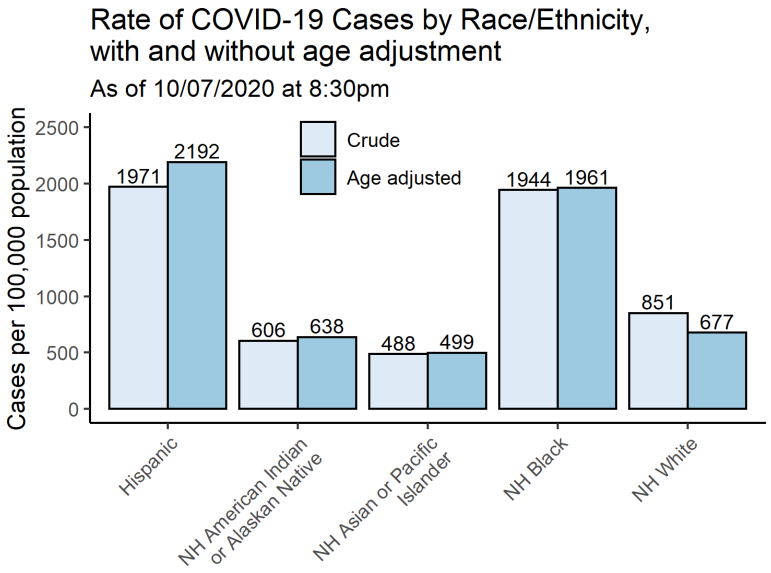
APPENDIX C. The following graphs show the number of cases and deaths by race and ethnicity. *Categories are mutually exclusive. The category "multiracial" includes people who answered 'yes' to more than one race category. NH=Non-Hispanic*

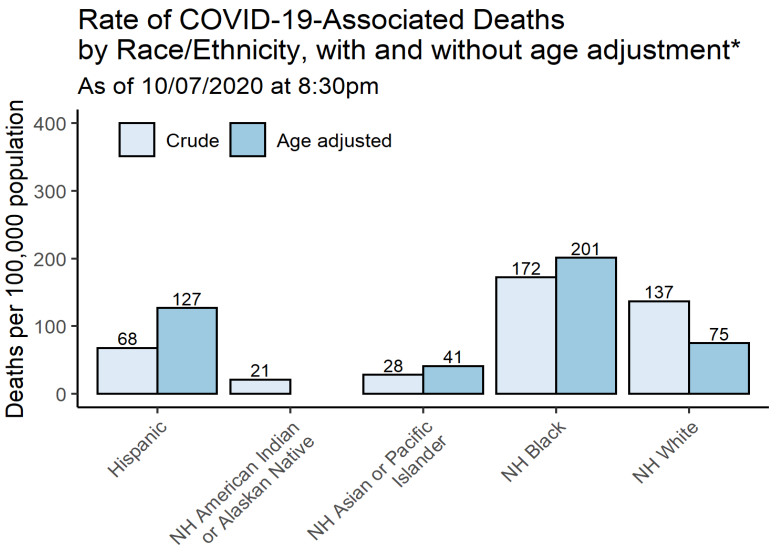




The following graphs show the number of COVID-19 cases and COVID-19-associated deaths per 100,000 population by race and ethnicity. Crude rates represent the total cases or deaths per 100,000 people. Age-adjusted rates consider the age of the person at diagnosis or death when estimating the rate and 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*