COVID-19 Update November 12, 2020

As of **November 11, 2020, at 8:30 PM**, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is **85899**, including **80216** laboratory-confirmed and **5683** probable cases. **Six hundred seventeen** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **4726** COVID-19-associated deaths.

In Connecticut during the early months of this pandemic, it became increasingly clear that it would be necessary to track probable COVID-19 cases and deaths, in addition to laboratory-confirmed (molecular test) 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. Prior to June 1, probable and confirmed cases were reported together.

Overall Summary	Total**	Change Since Yesterday
COVID-19 Cases (confirmed and probable)*	85899	+1158
COVID-19 Tests Reported (molecular and antigen)	2657798	+24001
Daily Test Positivity**		4.82%
Patients Currently Hospitalized with COVID-19	617	+33
COVID-19-Associated Deaths	4726	+10

**Includes confirmed plus probable cases; probable cases include persons with positive antigen results*

***Daily test positivity is the number of new positive molecular and antigen cases divided by the number of new molecular and antigen tests reported in the past 24 hours.*

COVID-19 Cases and Associated Deaths by County of Residence

As of 11/11/20 8:30pm.

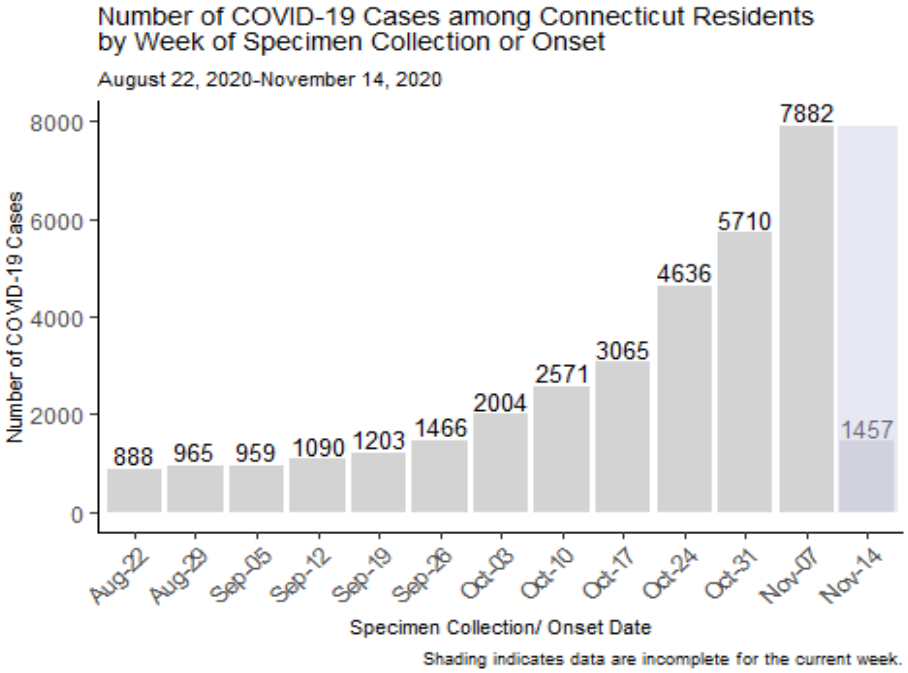
County	COVID-19 Cases		COVID-19-Associated Deaths	
	Confirmed	Probable	Confirmed	Probable
Fairfield County	26739	2269	1134	321
Hartford County	20301	1215	1197	328
Litchfield County	2682	224	128	21
Middlesex County	2360	134	158	39
New Haven County	19803	1434	987	168
New London County	4376	142	119	35
Tolland County	1925	200	53	15
Windham County	1747	29	22	1
Pending address validation	283	36	0	0
Total	**80216**	**5683**	**3798**	**928**

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

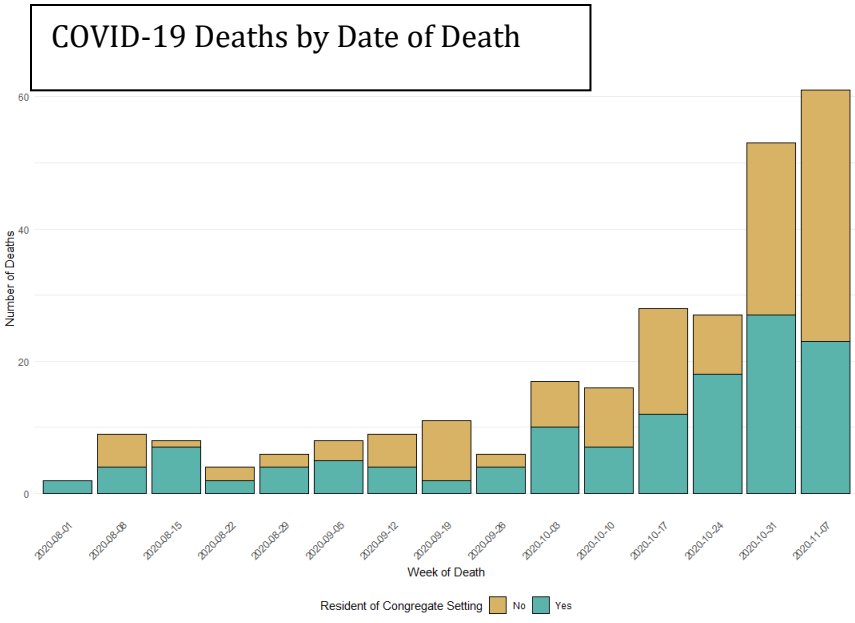
Day-to-day changes reflect newly reported cases, deaths, and tests that occurred over the last several days to week. All data in this report are preliminary; data for previous dates will be updated as new reports are received and data errors are corrected. Hospitalization data were collected by the Connecticut 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 probable and confirmed COVID-19 cases reported to CT DPH by week of specimen collection or onset of illness. Case data now includes probable cases based on positive antigen test results. During the past two weeks (October 25-November 07), there were 13,592 new COVID-19 cases, including cases among people residing in the community and congregate settings, such as nursing homes, managed residential communities, and correctional facilities.



The graph below shows the number of COVID-19 associated deaths since August 1st by week of death and whether the person was residing in a congregate setting, such as a nursing home, managed residential community, or correctional facility.

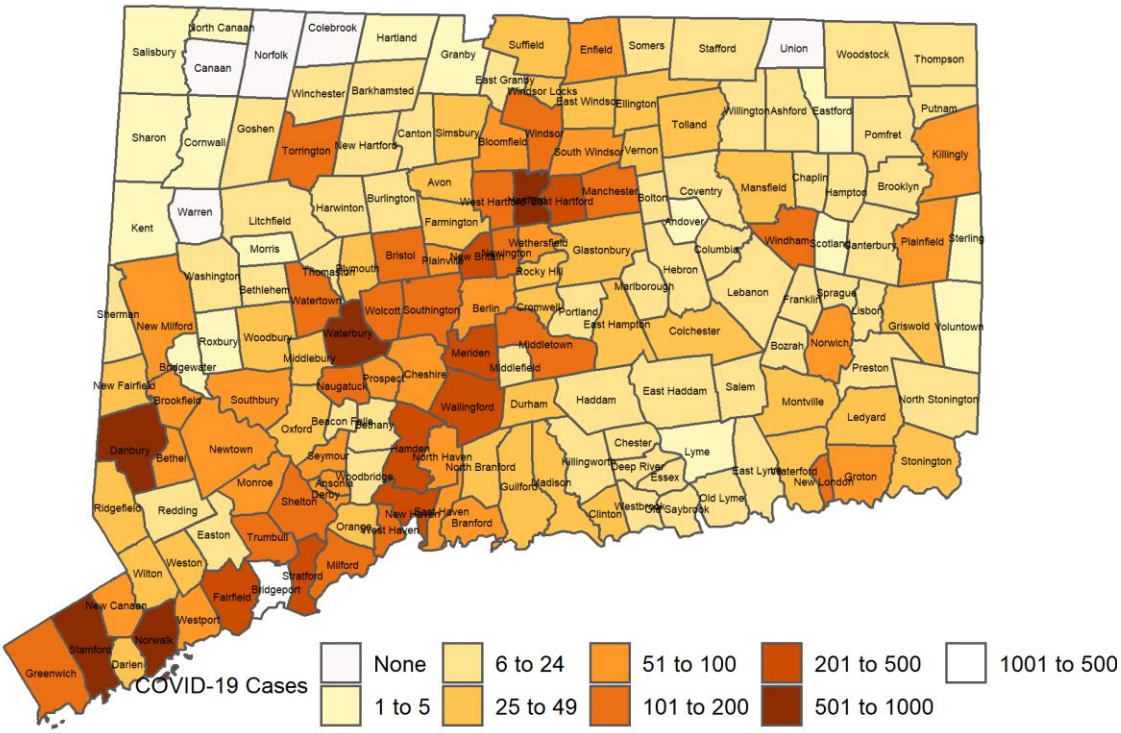


Community Transmission of COVID-19

Among 13,592 new COVID-19 cases with specimen collection or onset date during October 25-November 07, there were 13,295 cases among people living in community settings, as shown in the map below. This corresponds to an average of 26.58 new COVID-19 cases per day per 100,000 population. Cases among people 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 32 towns.

Number of COVID-19 Cases among People Living in Community Settings by Town with Specimen Collection or Onset Date During October 25-November 07

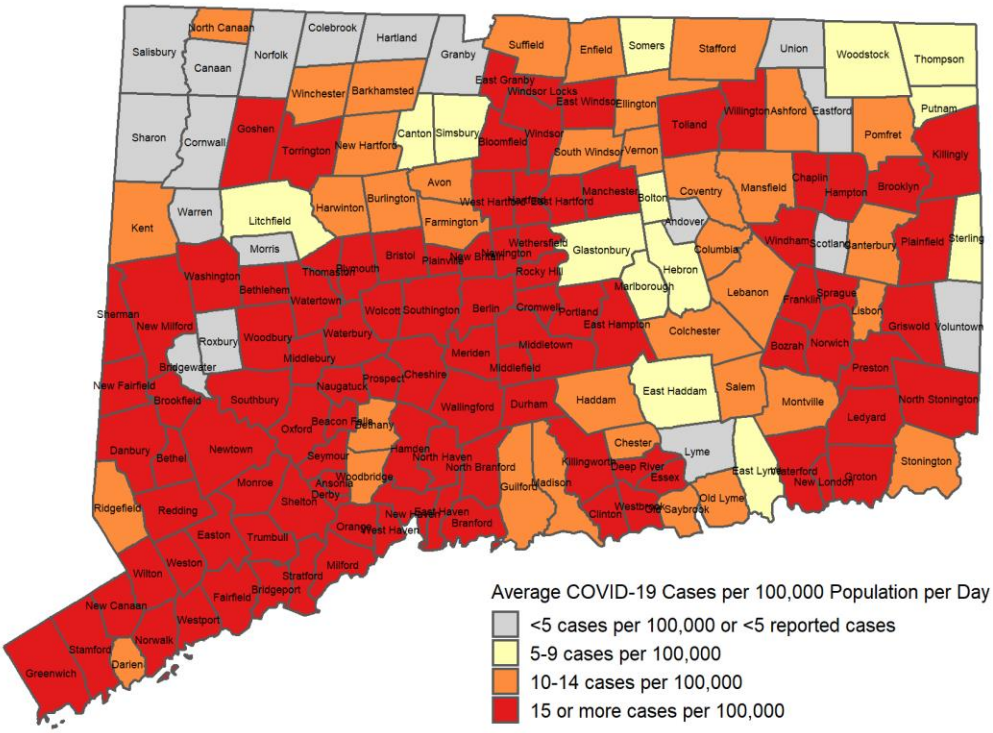


Map does not include 160 *cases pending address validation*

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 people residing in nursing homes, assisted living facilities, and correctional facilities are excluded.

Among towns with at least 5 new cases during October 25-November 07, one-hundred towns had an average rate of 15 or more cases per 100,000 population per day, shown in red in the map below.

Average Daily Rate of COVID-19 Cases among People Living in Community Settings per 100,000 Population by Town
with Specimen Collection or Onset Date During October 25-November 07



Map does not include 160 *cases pending address validation*

Population, Number and Average Daily Rate of COVID-19 Cases among People Living in Community Settings by Town with Specimen Collection or Onset Date during October 25-November 07, 2020

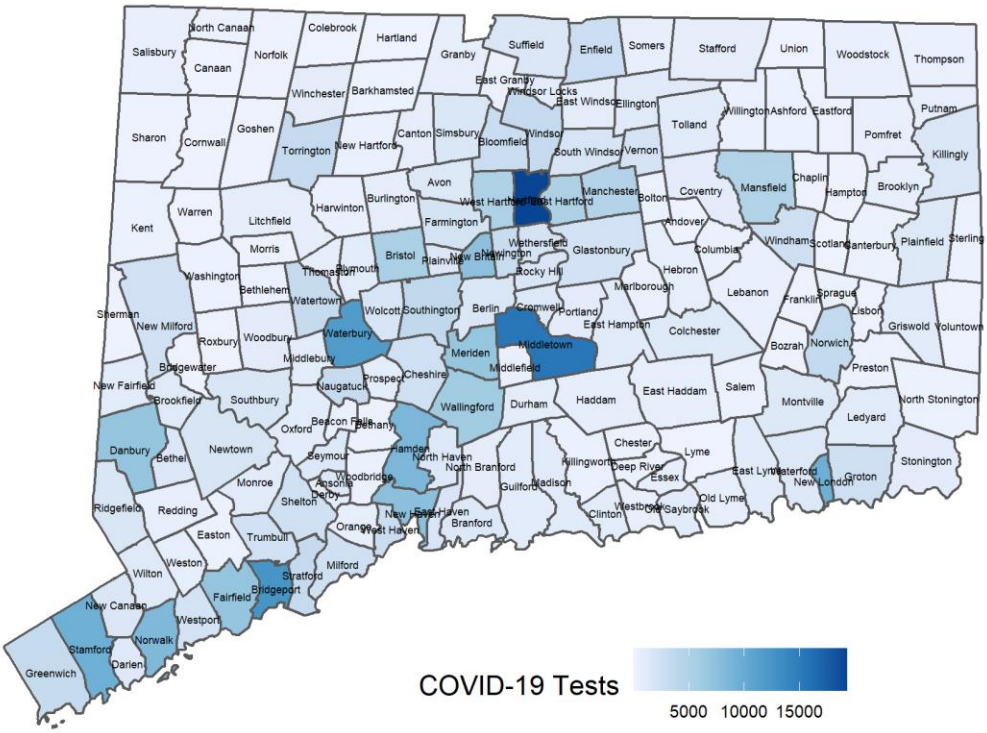
Map does not include 160 *cases pending address validation*

Town	Population	Cases	Rate	Town	Population	Cases	Rate	Town	Population	Cases	Rate
Andover	3231	4	8.8	Griswold	11591	30	18.5	Prospect	9790	53	38.7
Ansonia	18721	95	36.2	Groton	38692	88	16.2	Putnam	9395	13	9.9
Ashford	4261	6	10.1	Guilford	22216	35	11.3	Redding	9125	20	15.7
Avon	18302	26	10.1	Haddam	8222	17	14.8	Ridgefield	25008	36	10.3
Barkhamsted	3624	6	11.8	Hamden	60940	308	36.1	Rocky Hill	20145	47	16.7
Beacon Falls	6182	21	24.3	Hampton	1853	8	30.8	Roxbury	2160	4	13.2
Berlin	20432	51	17.8	Hartford	122587	709	41.3	Salem	4123	7	12.1
Bethany	5479	10	13.0	Hartland	2120	2	6.7	Salisbury	3598	3	6
Bethel	19714	57	20.7	Harwinton	5430	10	13.2	Scotland	1685	2	8.5
Bethlehem	3422	14	29.2	Hebron	9482	7	5.3	Seymour	16509	74	32
Bloomfield	21301	53	17.8	Kent	2785	5	12.8	Sharon	2703	1	2.6
Bolton	4890	6	8.8	Killingly	17287	59	24.4	Shelton	41097	152	26.4
Bozrah	2537	6	16.9	Killingworth	6370	15	16.8	Sherman	3614	8	15.8
Branford	28005	63	16.1	Lebanon	7207	13	12.9	Simsbury	24979	32	9.2
Bridgeport	144900	1079	53.2	Ledyard	14736	41	19.9	Somers	10834	11	7.3
Bridgewater	1641	1	4.4	Lisbon	4248	6	10.1	South Windsor	26054	54	14.8
Bristol	60032	168	20.0	Litchfield	8127	9	7.9	Southbury	19656	56	20.4
Brookfield	17002	53	22.3	Lyme	2338	1	3.1	Southington	43807	190	31
Brooklyn	8280	18	15.5	Madison	18106	28	11.0	Sprague	2889	11	27.2
Burlington	9665	17	12.6	Manchester	57699	150	18.6	Stafford	11884	17	10.2
Canaan	1055	0	0.0	Mansfield	25817	45	12.5	Stamford	129775	657	36.2
Canterbury	5100	9	12.6	Marlborough	6358	7	7.9	Sterling	3780	5	9.4
Canton	10270	14	9.7	Meriden	59540	436	52.3	Stonington	18449	29	11.2
Chaplin	2256	6	19.0	Middlebury	7731	35	32.3	Stratford	51967	208	28.6
Cheshire	29179	89	21.8	Middlefield	4380	10	16.3	Suffield	15743	26	11.8
Chester	4229	6	10.1	Middletown	46146	161	24.9	Thomaston	7560	19	18
Clinton	12950	40	22.1	Milford	54661	118	15.4	Thompson	9395	10	7.6
Colchester	15936	33	14.8	Monroe	19470	67	24.6	Tolland	14655	43	21
Colebrook	1405	0	0.0	Montville	18716	37	14.1	Torrington	34228	110	23
Columbia	5385	9	11.9	Morris	2262	3	9.5	Trumbull	35802	147	29.3
Cornwall	1368	2	10.4	Naugatuck	31288	150	34.2	Union	840	0	0
Coventry	12414	23	13.2	New Britain	72453	385	38.0	Vernon	29303	50	12.2
Cromwell	13905	39	20.0	New Canaan	20213	59	20.8	Voluntown	2535	3	8.5
Danbury	84730	592	49.9	New Fairfield	13877	31	16.0	Wallingford	44535	230	36.9
Darien	21753	41	13.5	New Hartford	6685	11	11.8	Warren	1399	0	0
Deep River	4463	11	17.6	New Haven	130418	349	19.1	Washington	3434	11	22.9
Derby	12515	60	34.2	New London	26939	171	45.3	Waterbury	108093	701	46.3
Durham	7195	29	28.8	New Milford	26974	89	23.6	Waterford	18887	45	17
East Granby	5147	11	15.3	Newington	30112	118	28.0	Watertown	21641	118	38.9
East Haddam	8988	10	7.9	Newtown	27774	77	19.8	West Hartford	62939	139	15.8
East Hampton	12854	28	15.6	Norfolk	1640	0	0.0	West Haven	54879	158	20.6
East Hartford	49998	273	39.0	North Branford	14158	40	20.2	Westbrook	6914	25	25.8
East Haven	28699	73	18.2	North Canaan	3254	5	11.0	Weston	10247	29	20.2
East Lyme	18645	24	9.2	North Haven	23691	76	22.9	Westport	28115	88	22.4
East Windsor	11375	35	22.0	North Stonington	5243	14	19.1	Wethersfield	26082	82	22.5
Eastford	1790	1	4.0	Norwalk	89047	576	46.2	Willington	5887	14	17
Easton	7517	19	18.1	Norwich	39136	99	18.1	Wilton	18397	43	16.7
Ellington	16299	34	14.9	Old Lyme	7366	13	12.6	Winchester	10655	21	14.1
Enfield	44466	68	10.9	Old Saybrook	10087	21	14.9	Windham	24706	102	29.5
Essex	6674	21	22.5	Orange	13949	31	15.9	Windsor	28760	107	26.6
Fairfield	61952	309	35.6	Oxford	13226	29	15.7	Windsor Locks	12876	27	15
Farmington	25506	43	12.0	Plainfield	15173	52	24.5	Wolcott	16649	116	49.8
Franklin	1933	7	25.9	Plainville	17623	63	25.5	Woodbridge	8805	15	12.2
Glastonbury	34491	46	9.5	Plymouth	11645	41	25.1	Woodbury	9537	34	25.5
Goshen	2879	11	27.3	Pomfret	4204	6	10.2	Woodstock	7862	10	9.1
Granby	11375	4	2.5	Portland	9305	25	19.2				
Greenwich	62727	146	16.6	Preston	4638	11	16.9				

COVID-19 Molecular and Antigen Tests during October 25-November 07

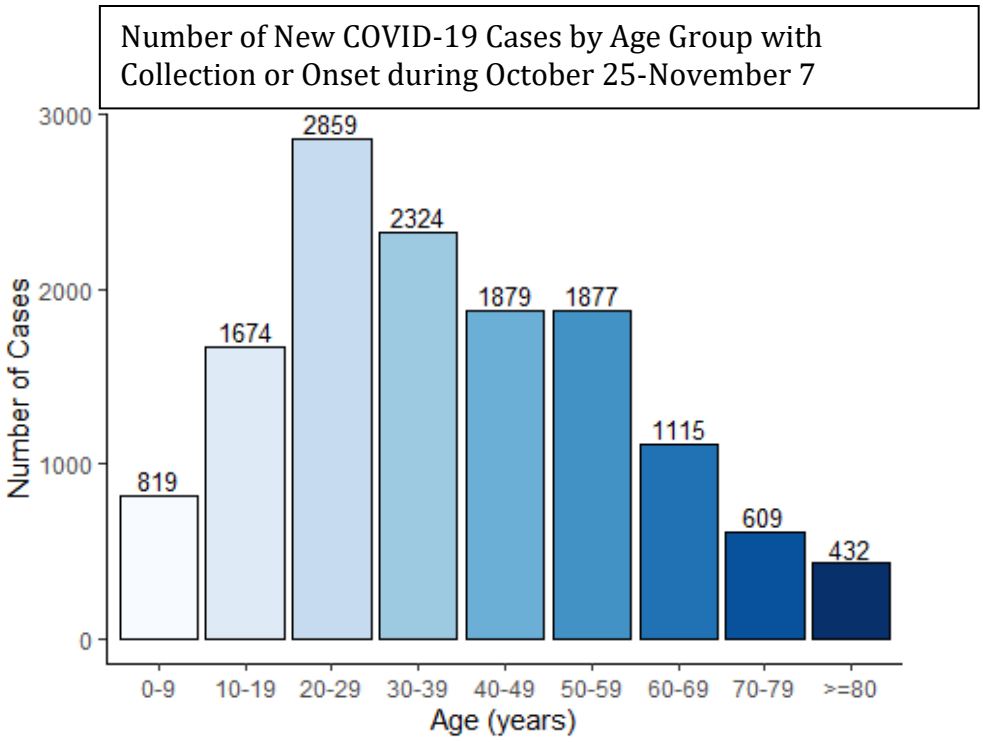
Among 357,753 molecular and antigen tests for COVID-19 with specimen collection date during October 25-November 07, 329,529 (92%) tests were conducted among people who did not reside in congregate settings (including nursing homes, assisted living, and correctional facilities). Of these 329,529 tests, 14,573 (4%) were positive. The map below shows the number of molecular and antigen COVID-19 tests by town with specimen collection date during October 25-November 07 that were conducted among community residents.

Number of Molecular and Antigen Tests for COVID-19 among
People Living in Community Settings by Town
with Specimen Collection Date During October 25-November 07



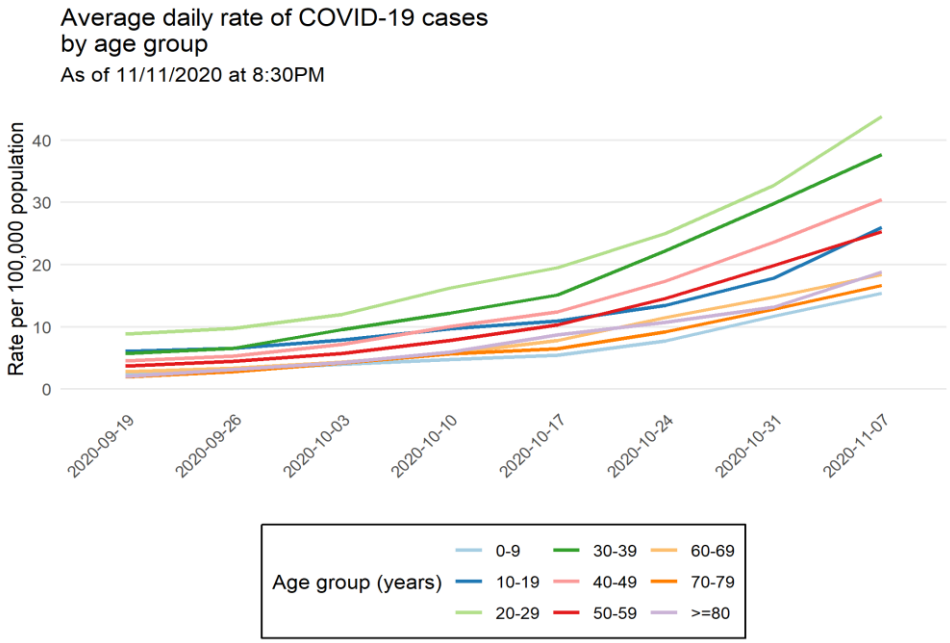
Map does not include tests pending address validation

Age Distribution of COVID-19 Cases with Specimen Collection or Onset During October 25-November 07, 2020



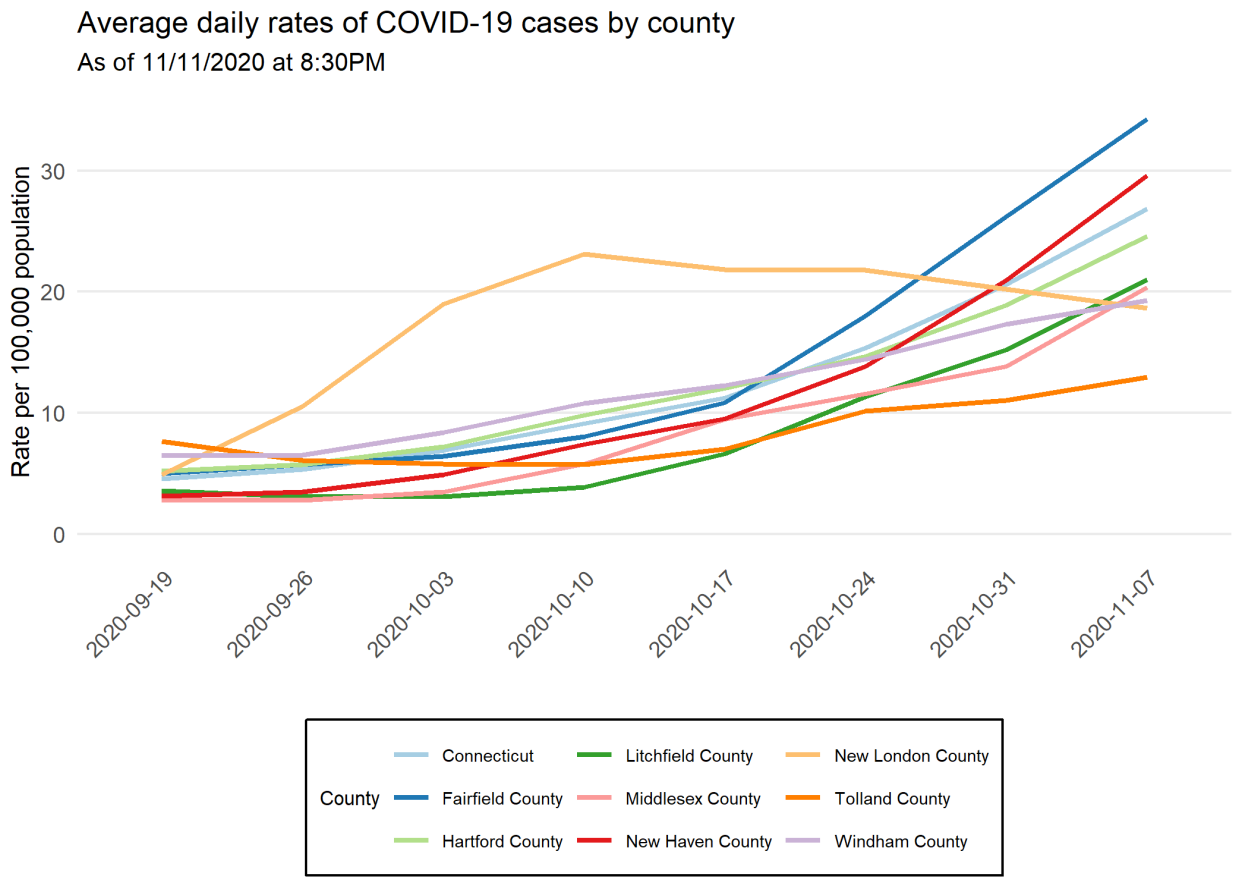
Average Daily Incidence by Age Group

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.



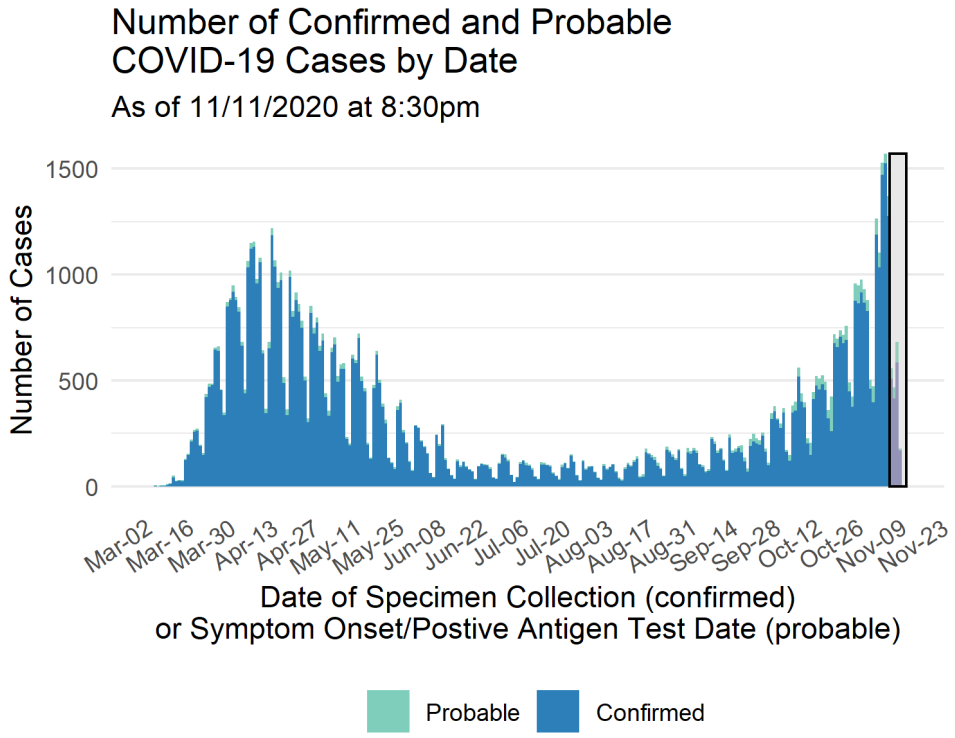
Average Daily Incidence by County

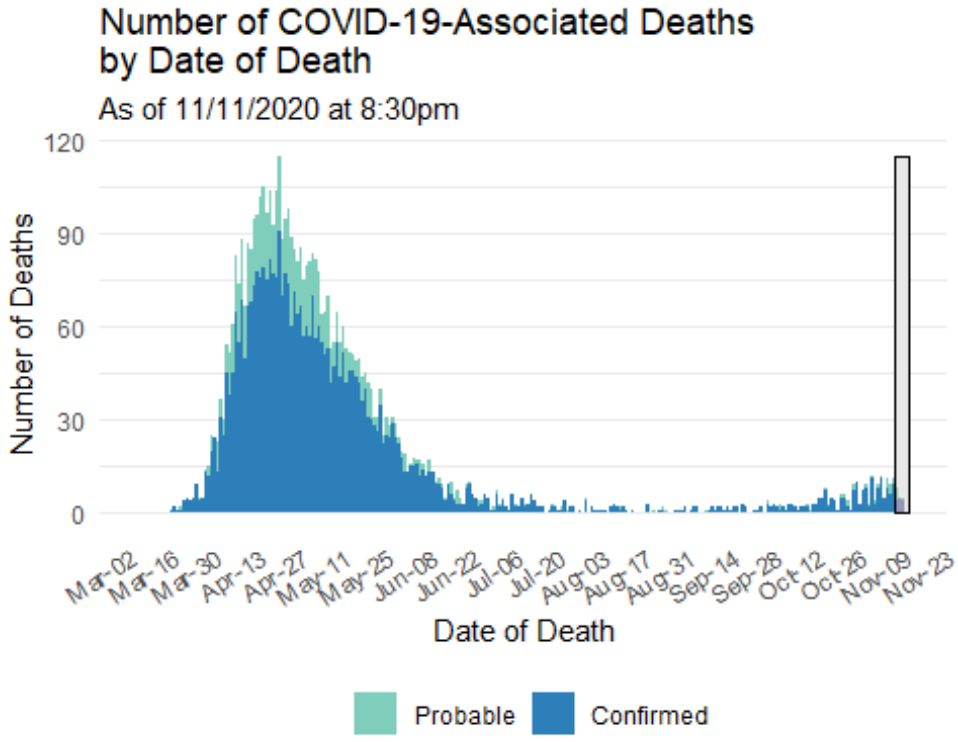
The chart below shows the average number of new COVID-19 cases per day per 100,000 population in the state of Connecticut and for each Connecticut county. The rates in this chart are calculated by averaging the number of new cases diagnosed each day during the previous two weeks, dividing by the annual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



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.



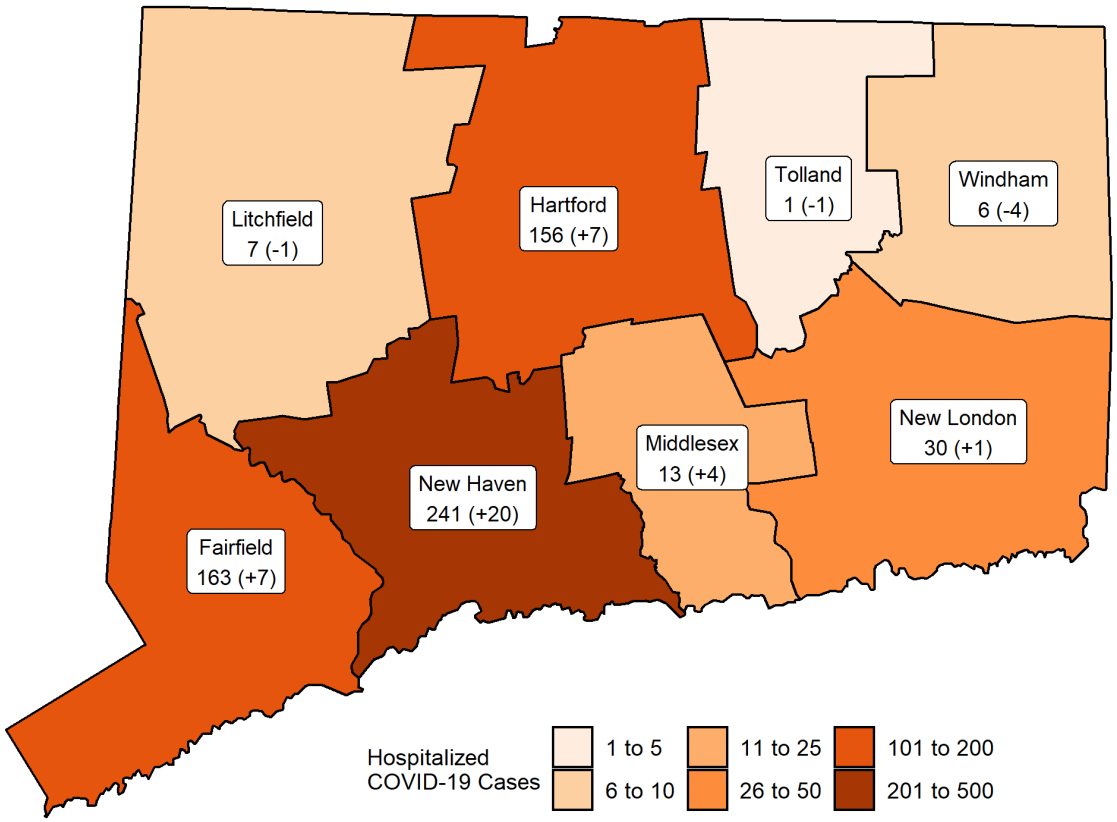


Hospitalization Surveillance

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

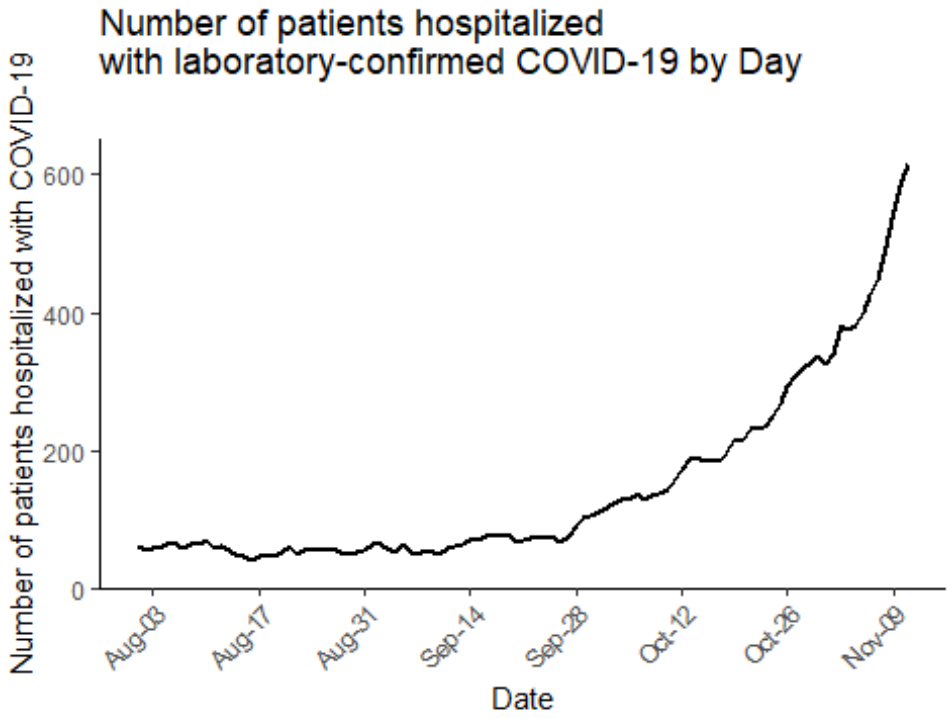
Distribution by location of hospital not patient residence. Data from the Connecticut Hospital Association.



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

COVID-19 Hospital Census in Connecticut

The chart below shows the COVID-19 hospital census, which is the number of patients currently hospitalized with laboratory-confirmed COVID-19 on each day. Data were collected by the Connecticut Hospital Association and are shown since August 1, 2020.

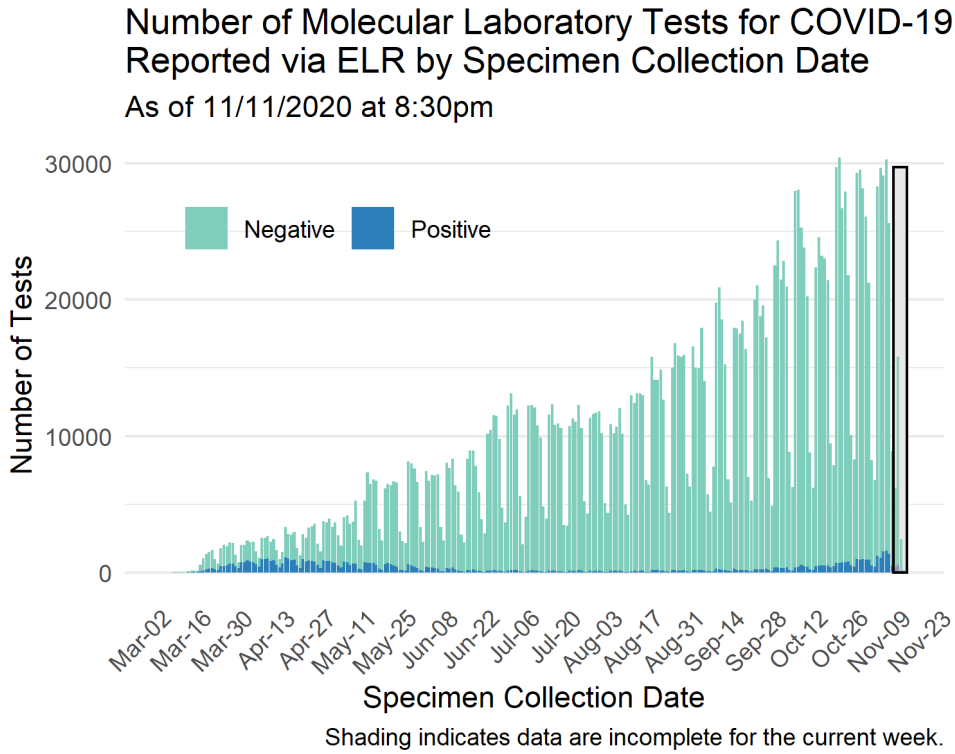


Laboratory Surveillance

Molecular Tests

To date, DPH has received reports on a total of 2625790 molecular COVID-19 laboratory tests; of these 2339716 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.

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



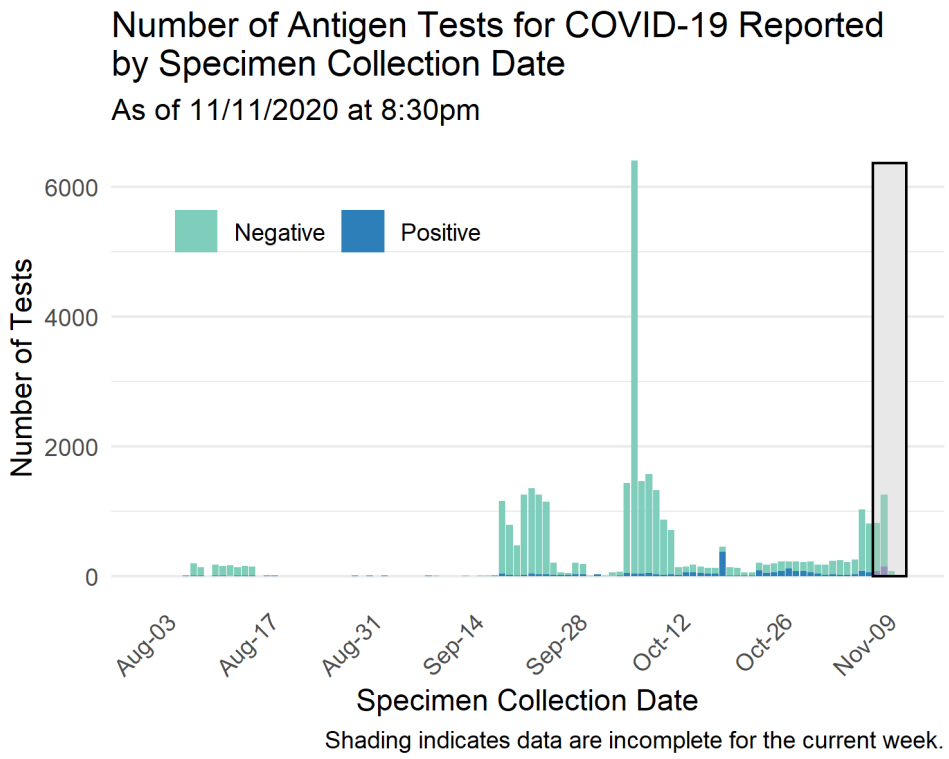
Testing of recently collected specimens is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.

ELR = Electronic Laboratory Reporting

Antigen Tests

To date, DPH has received reports on a total of 32008 COVID-19 antigen laboratory tests. The chart below shows the number of antigen tests reported to DPH by specimen collection date and test result.

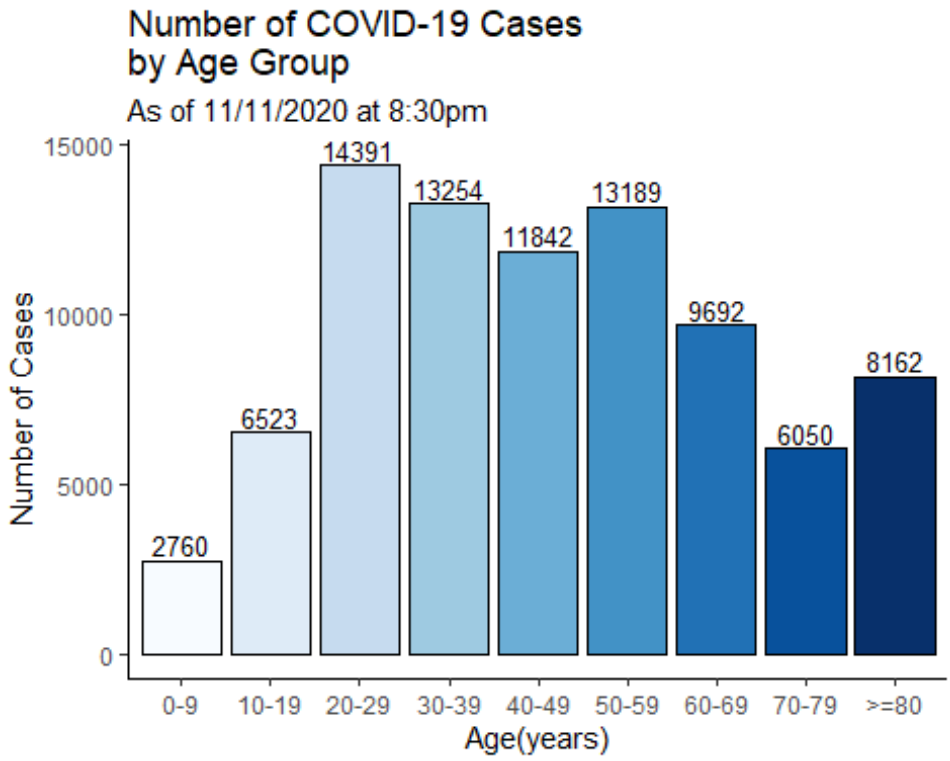
Test results may be reported several days after specimen collection. Data are incomplete for most recent dates shaded in grey. Data for previous dates are routinely updated.

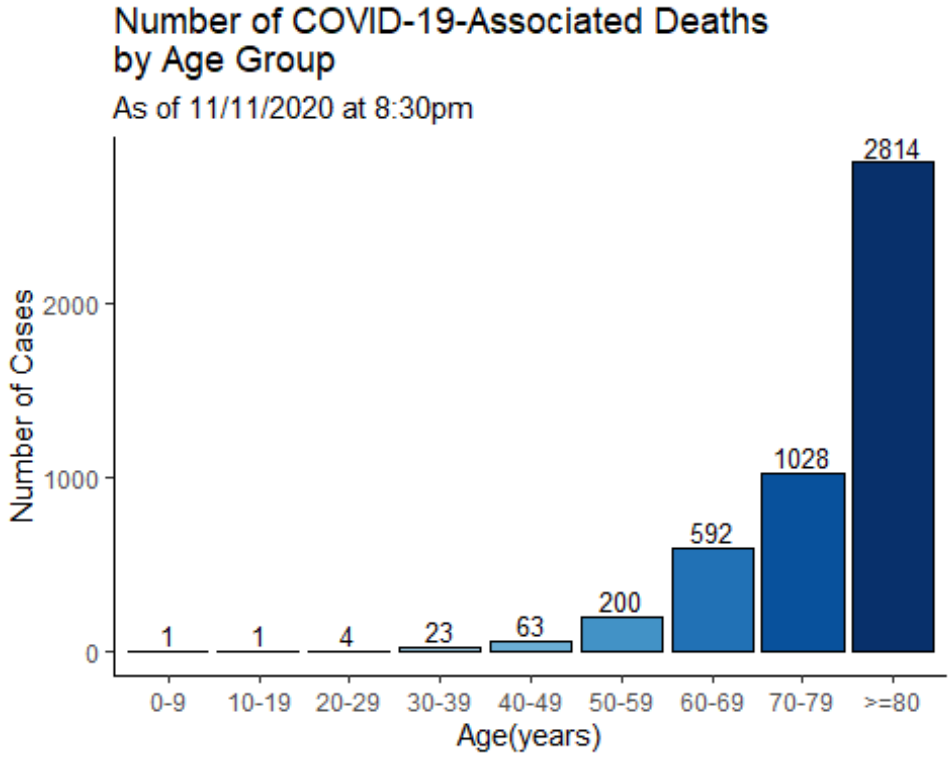


Testing of recently collected specimens is ongoing and does not reflect a decrease in testing.

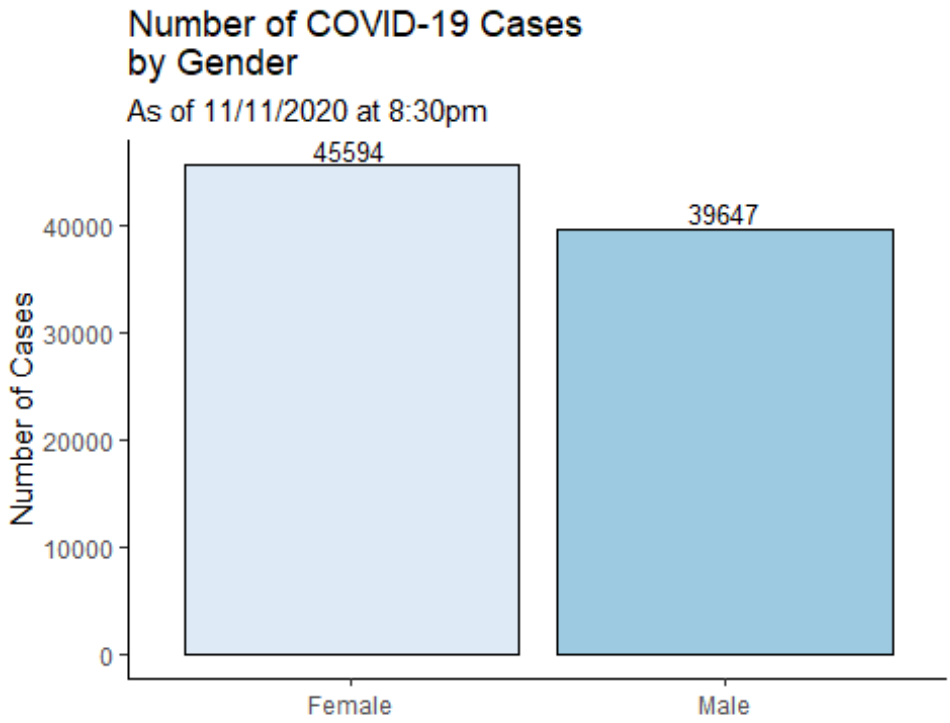
Characteristics of COVID-19 Cases and Associated Deaths

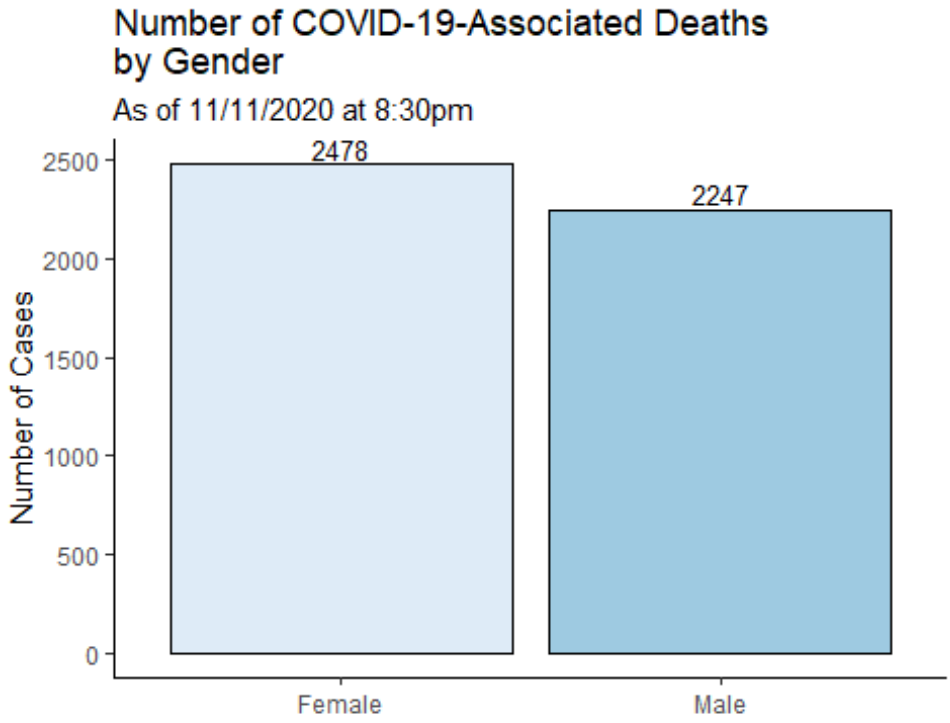
Counts may not add up to total case count because demographic data may be missing.





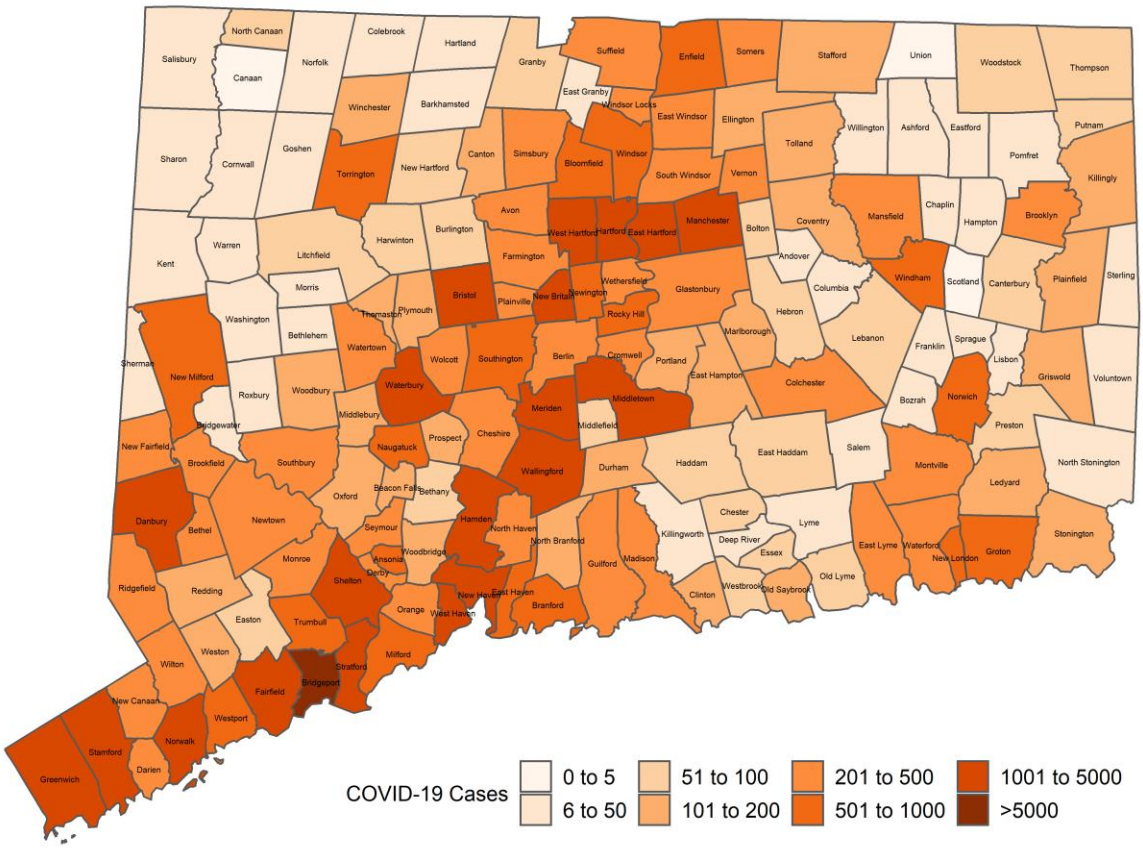
Counts may not add up to total case count because demographic data may be missing.





Cumulative Number of COVID-19 Cases by Town

Map does not include 319 cases pending address validation

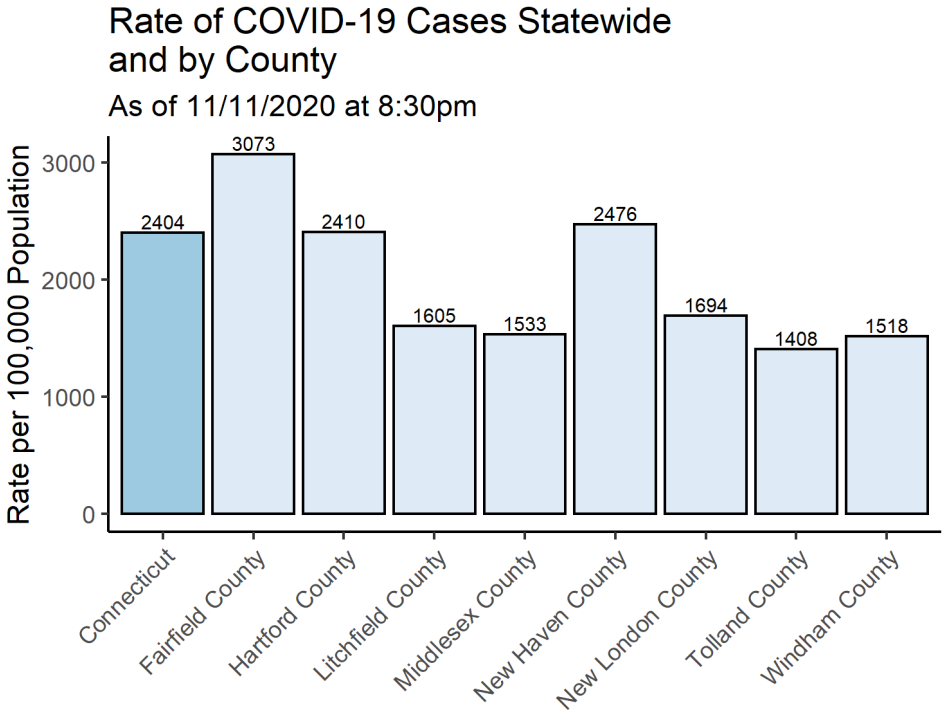


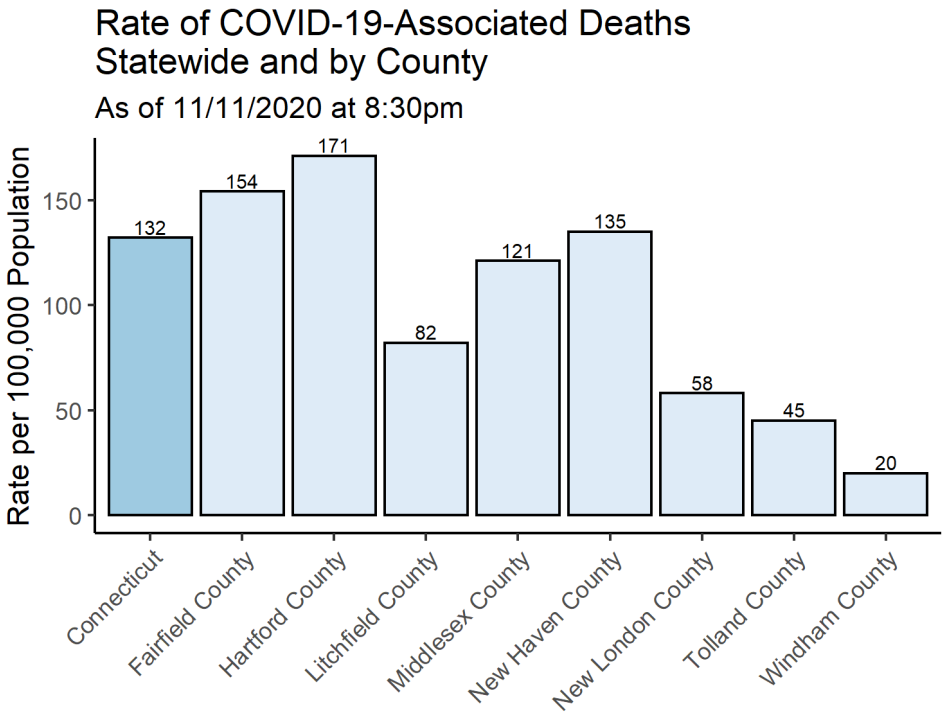
APPENDIX A. Cumulative Number of COVID-19 Cases by Town

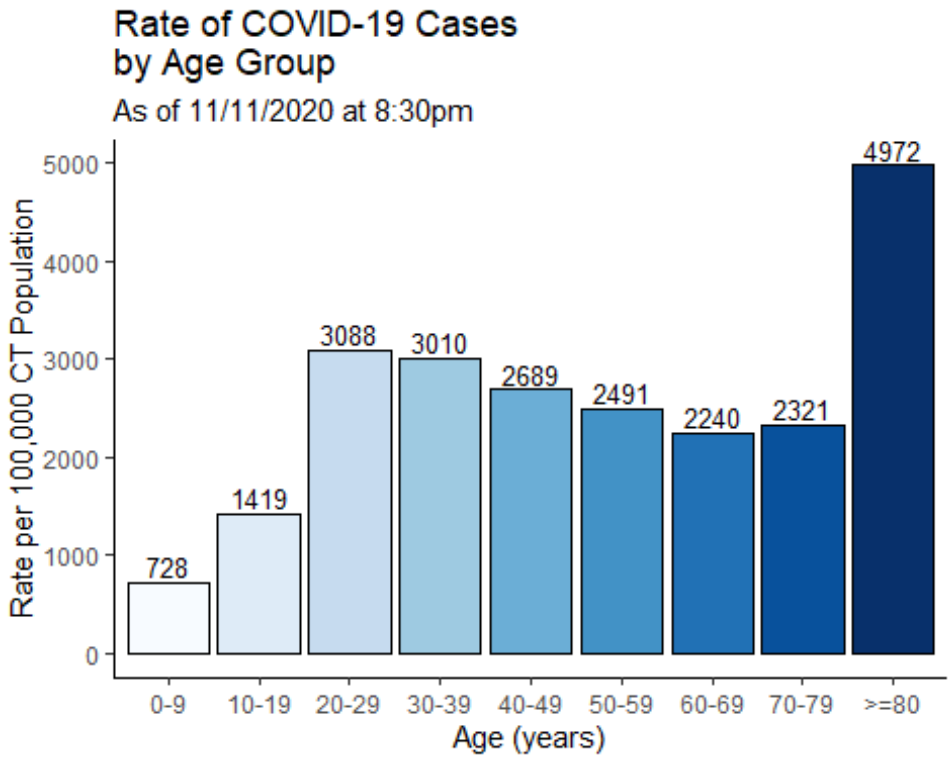
Table does not include 319 cases pending address validation

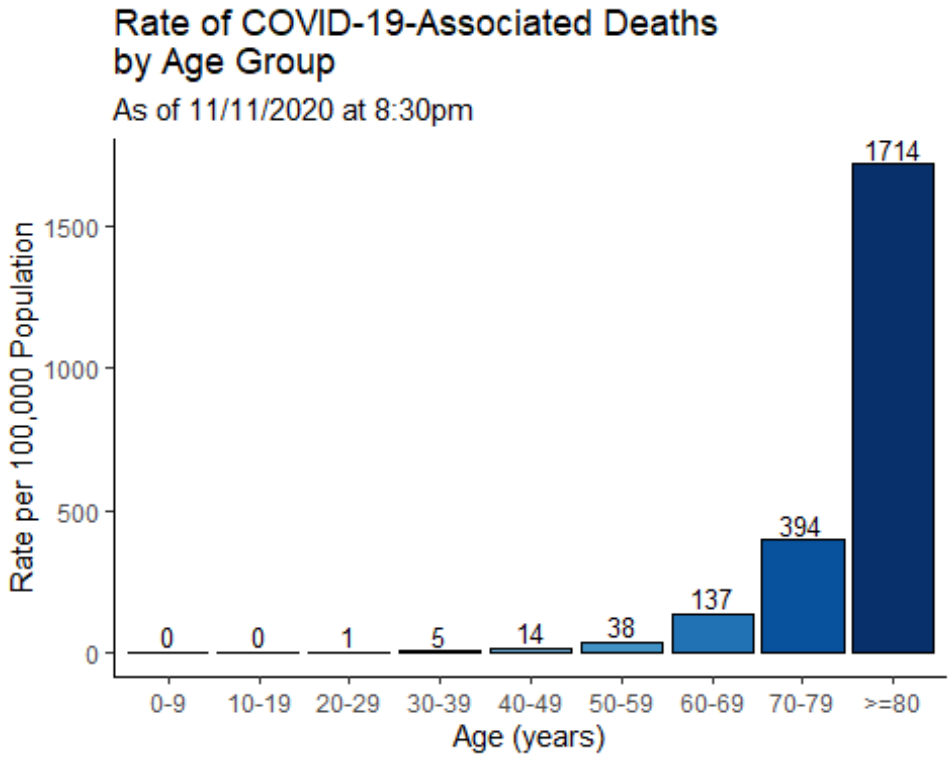
Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	20	1	Griswold	156	2	Prospect	170	18
Ansonia	475	32	Groton	502	23	Putnam	75	3
Ashford	36	1	Guilford	191	25	Redding	110	11
Avon	305	18	Haddam	81	5	Ridgefield	332	38
Barkhamsted	42	3	Hamden	1571	102	Rocky Hill	543	30
Beacon Falls	96	8	Hampton	21	0	Roxbury	22	4
Berlin	309	28	Hartford	4754	201	Salem	44	0
Bethany	79	3	Hartland	9	0	Salisbury	32	2
Bethel	399	57	Harwinton	51	6	Scotland	2	0
Bethlehem	33	7	Hebron	64	5	Seymour	392	29
Bloomfield	710	43	Kent	22	9	Sharon	19	0
Bolton	47	4	Killingly	186	8	Shelton	928	81
Bozrah	31	0	Killingworth	45	0	Sherman	23	12
Branford	475	51	Lebanon	65	4	Simsbury	211	26
Bridgeport	5755	382	Ledyard	159	3	Somers	336	37
Bridgewater	14	5	Lisbon	38	2	South Windsor	309	21
Bristol	1105	57	Litchfield	85	5	Southbury	292	19
Brookfield	285	38	Lyme	12	1	Southington	677	55
Brooklyn	216	2	Madison	214	17	Sprague	38	1
Burlington	86	4	Manchester	1147	89	Stafford	147	14
Canaan	1	0	Mansfield	391	60	Stamford	4719	231
Canterbury	61	1	Marlborough	120	6	Sterling	22	1
Canton	132	10	Meriden	1669	80	Stonington	113	9
Chaplin	21	1	Middlebury	115	13	Stratford	1237	112
Cheshire	430	22	Middlefield	53	3	Suffield	253	28
Chester	54	1	Middletown	991	44	Thomaston	116	8
Clinton	148	9	Milford	918	82	Thompson	73	3
Colchester	204	11	Monroe	259	24	Tolland	124	19
Colebrook	6	1	Montville	449	14	Torrington	823	36
Columbia	44	0	Morris	20	0	Trumbull	773	97
Cornwall	10	0	Naugatuck	694	56	Union	4	1
Coventry	114	8	New Britain	2252	148	Vernon	416	36
Cromwell	235	20	New Canaan	299	21	Voluntown	30	0
Danbury	3814	405	New Fairfield	190	23	Wallingford	958	47
Darien	332	28	New Hartford	60	1	Warren	5	2
Deep River	36	4	New Haven	3680	222	Washington	42	2
Derby	283	15	New London	814	20	Waterbury	3643	260
Durham	100	14	New Milford	444	70	Waterford	343	11
East Granby	38	1	Newington	683	37	Watertown	377	35
East Haddam	54	0	Newtown	394	44	West Hartford	1223	99
East Hampton	116	9	Norfolk	17	1	West Haven	1465	99
East Hartford	1639	88	North Branford	158	24	Westbrook	73	4
East Haven	565	86	North Canaan	63	2	Weston	130	18
East Lyme	265	23	North Haven	436	42	Westport	499	38
East Windsor	294	19	North Stonington	40	3	Wethersfield	446	20
Eastford	16	1	Norwalk	3335	240	Willington	45	3
Easton	75	3	Norwich	918	13	Wilton	314	45
Ellington	173	12	Old Lyme	53	0	Winchester	100	3
Enfield	878	34	Old Saybrook	172	6	Windham	724	6
Essex	85	5	Orange	202	23	Windsor	818	53
Fairfield	1338	228	Oxford	138	8	Windsor Locks	201	12
Farmington	358	24	Plainfield	198	2	Wolcott	318	29
Franklin	34	0	Plainville	305	19	Woodbridge	176	22
Glastonbury	440	40	Plymouth	140	13	Woodbury	111	7
Goshen	27	2	Pomfret	36	0	Woodstock	60	0
Granby	56	5	Portland	117	10			
Greenwich	1199	93	Preston	68	2			

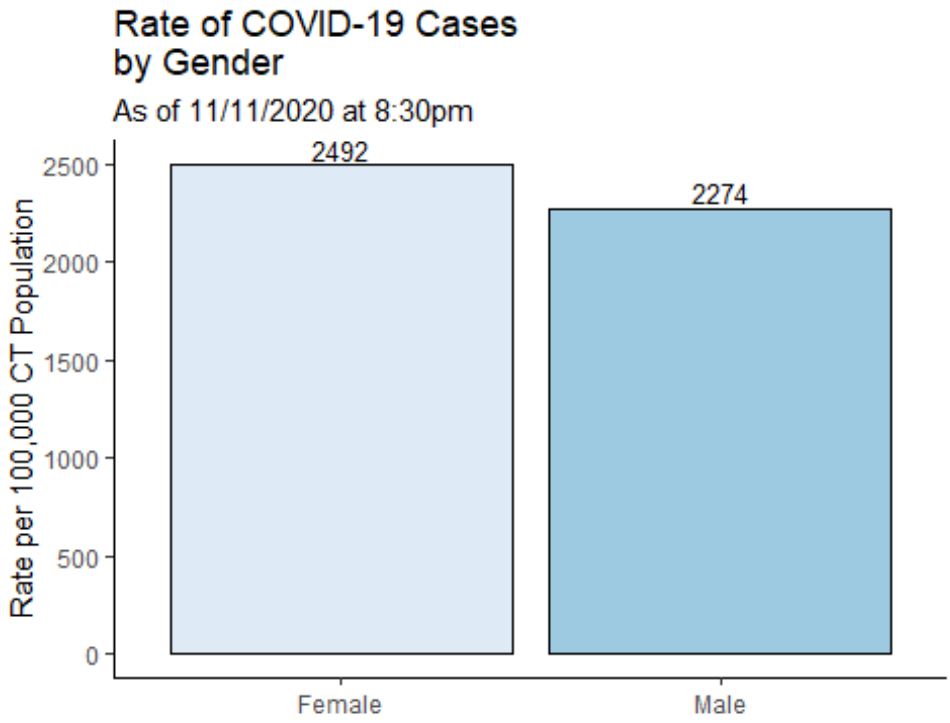
APPENDIX B. The following graphs show the number of cases per 100,000 Connecticut residents statewide and by county, age group, and gender. Population estimate from: [DPH Population Statistics]

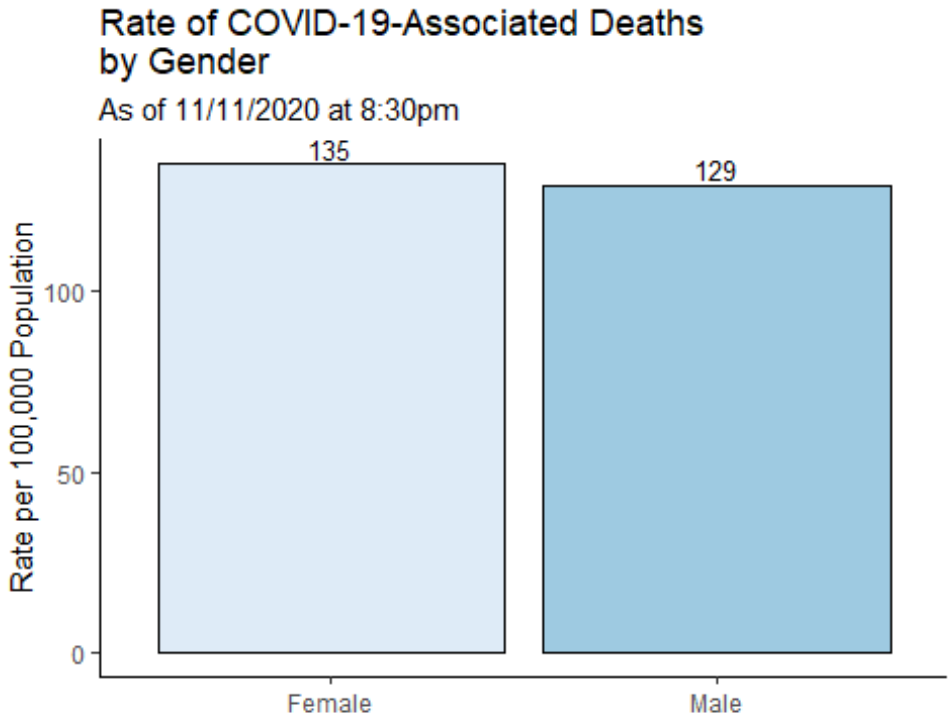




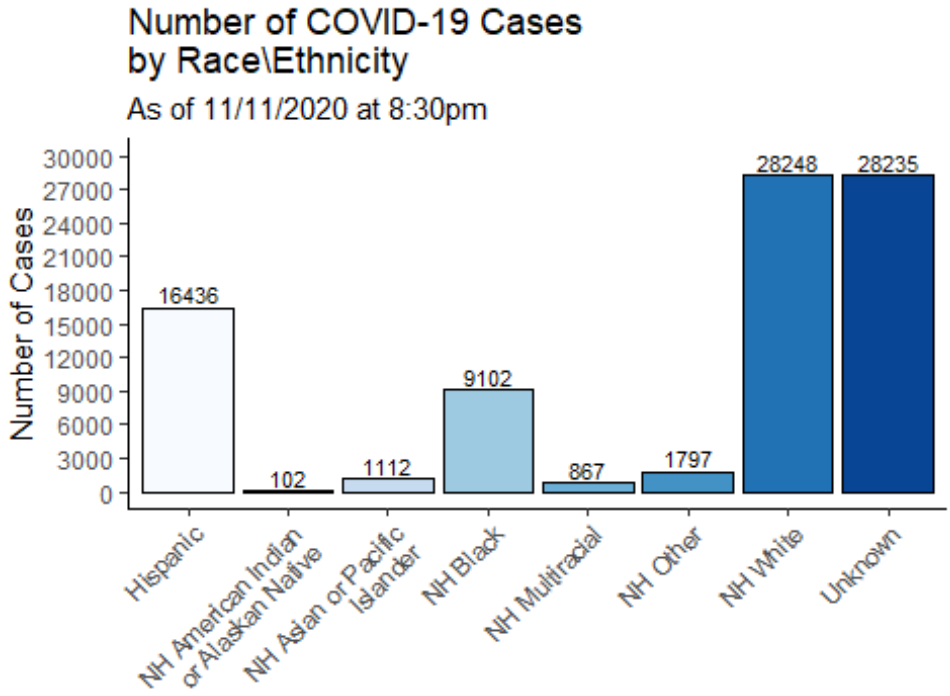

Rate of COVID-19 Cases
by Age Group
As of 11/11/2020 at 8:30pm
Rate per 100,000 CT Population
5000
4000
3000
2000
1000
0
728
1419
3088
3010
2689
2491
2240
2321
4972
0-9
10-19
20-29
30-39
40-49
50-59
60-69
70-79
>=80
Age (years)

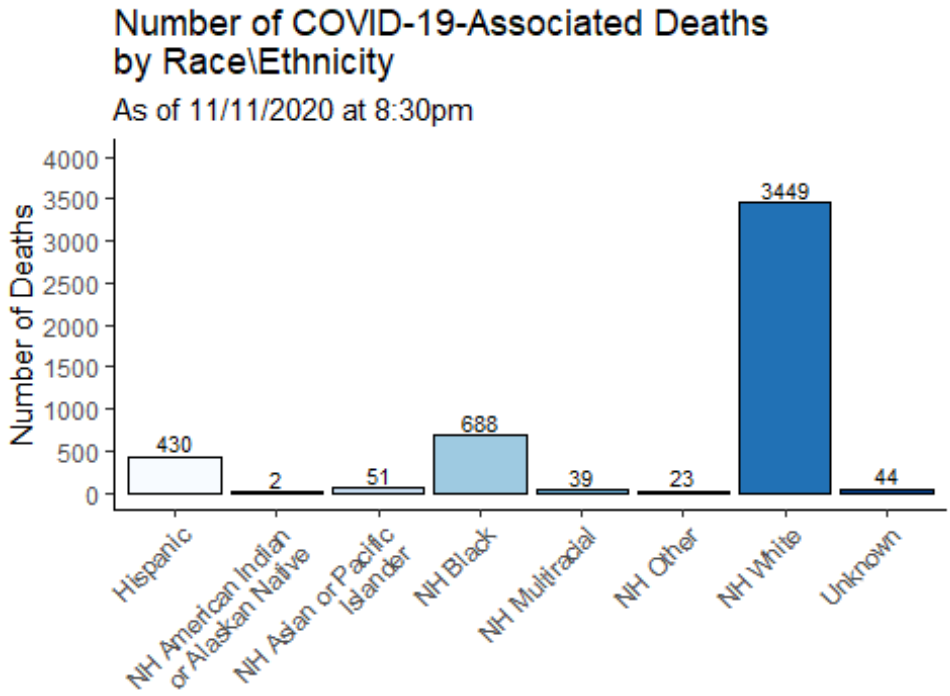

Rate of COVID-19-Associated Deaths
by Age Group
As of 11/11/2020 at 8:30pm
Rate per 100,000 Population
1500
1000
500
0
0
0
1
5
14
38
137
394
1714
0-9
10-19
20-29
30-39
40-49
50-59
60-69
70-79
>=80
Age (years)


Rate of COVID-19 Cases
by Gender
As of 11/11/2020 at 8:30pm
Rate per 100,000 CT Population
2500
2000
1500
1000
500
0
2492
2274
Female
Male


Rate of COVID-19-Associated Deaths
by Gender
As of 11/11/2020 at 8:30pm
Rate per 100,000 Population
100
50
0
135
129
Female
Male

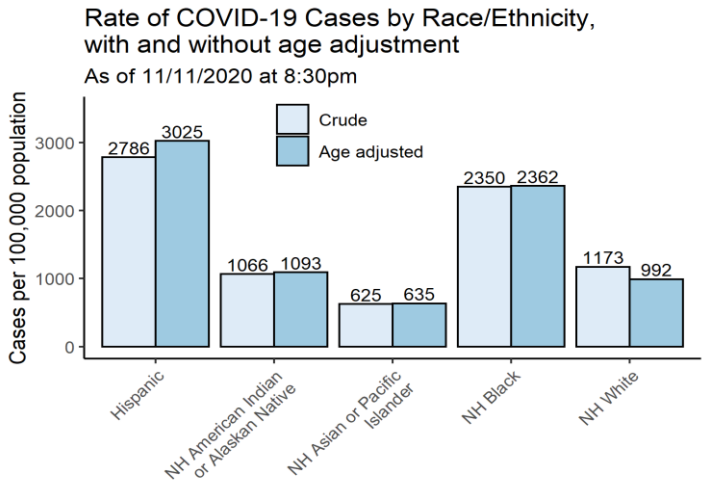
APPENDIX C. The following graphs show the number of cases and deaths by race and ethnicity. *Categories are mutually exclusive. The category "multiracial" includes people who answered 'yes' to more than one race category. NH=Non-Hispanic*

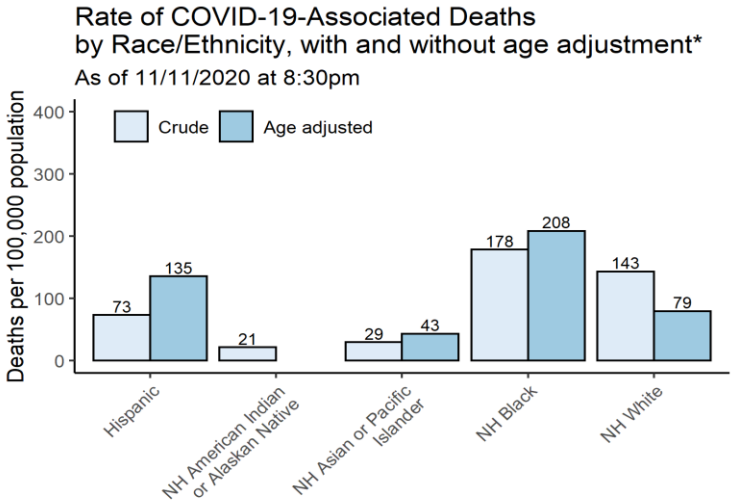




The following graphs show the number of COVID-19 cases and COVID-19-associated deaths per 100,000 population by race and ethnicity. Crude rates represent the total cases or deaths per 100,000 people. Age-adjusted rates consider the age of the person at diagnosis or death when estimating the rate and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