COVID-19 Update November 19, 2020

As of **November 18, 2020, at 8:30 PM**, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is **99381**, including **92625** laboratory-confirmed and **6756** probable cases. **Eight hundred forty** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **4805** 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 (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. Prior to June 1, probable and confirmed cases were reported together.

Overall Summary	Total**	Change Since Yesterday
COVID-19 Cases (confirmed and probable)	99381	+2353
COVID-19 Tests Reported (molecular and antigen)	2890524	+36339
Daily Test Positivity*		6.48%
Patients Currently Hospitalized with COVID-19	840	+24
COVID-19-Associated Deaths	4805	+21

**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 11/18/20 8:30pm.

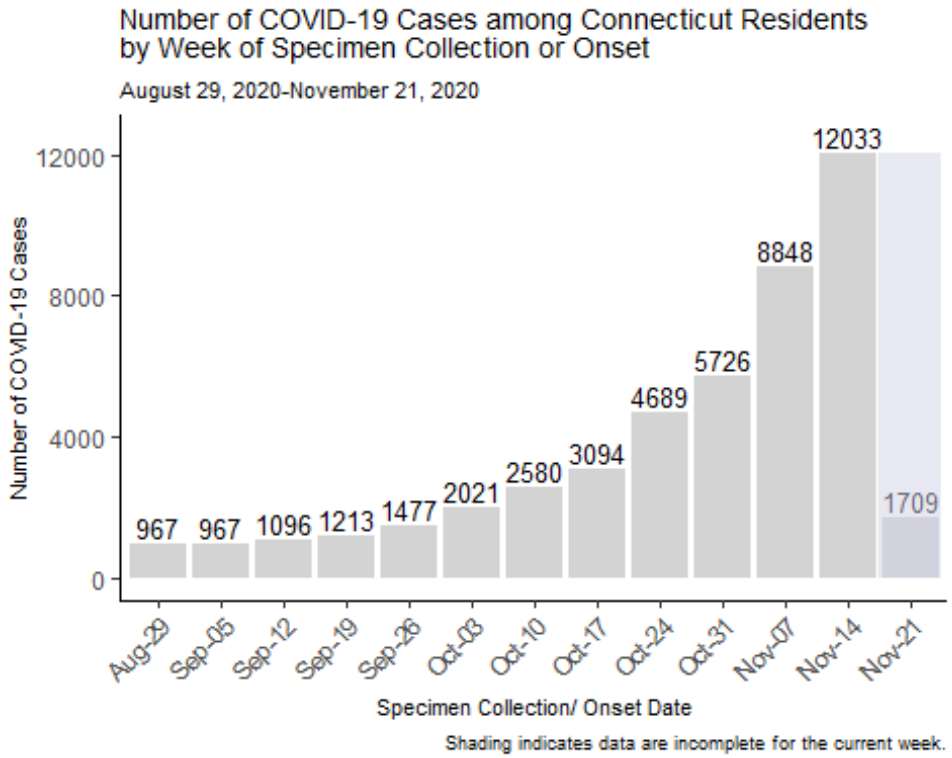
County	COVID-19 Cases		COVID-19-Associated Deaths	
	Confirmed	Probable	Confirmed	Probable
Fairfield County	30431	2636	1142	324
Hartford County	23322	1384	1217	331
Litchfield County	3232	268	135	21
Middlesex County	2861	164	158	39
New Haven County	22915	1818	1010	170
New London County	5101	155	120	42
Tolland County	2337	236	56	15
Windham County	2078	40	24	1
Pending address validation	348	55	0	0
Total	**92625**	**6756**	**3862**	**943**

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

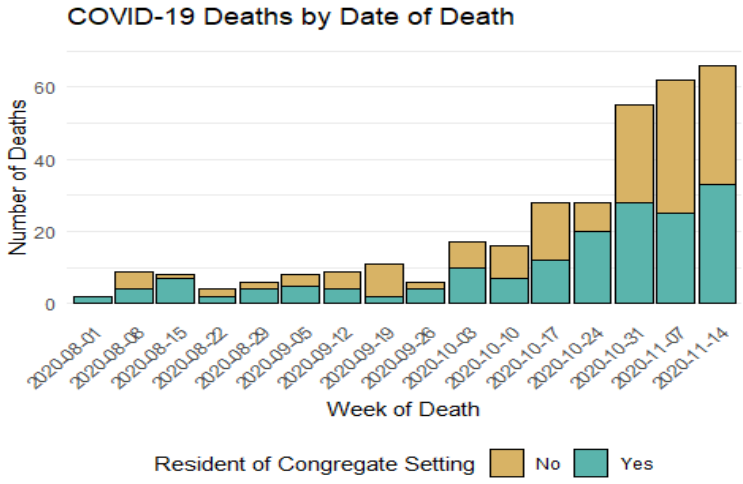
Day-to-day changes reflect newly reported cases, deaths, and tests that occurred over the last several days to week. All data in this report are preliminary; data for previous dates will be updated as new reports are received and data errors are corrected. Hospitalization data were collected by the Connecticut 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 (November 1-November 14), there were 20,881 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.

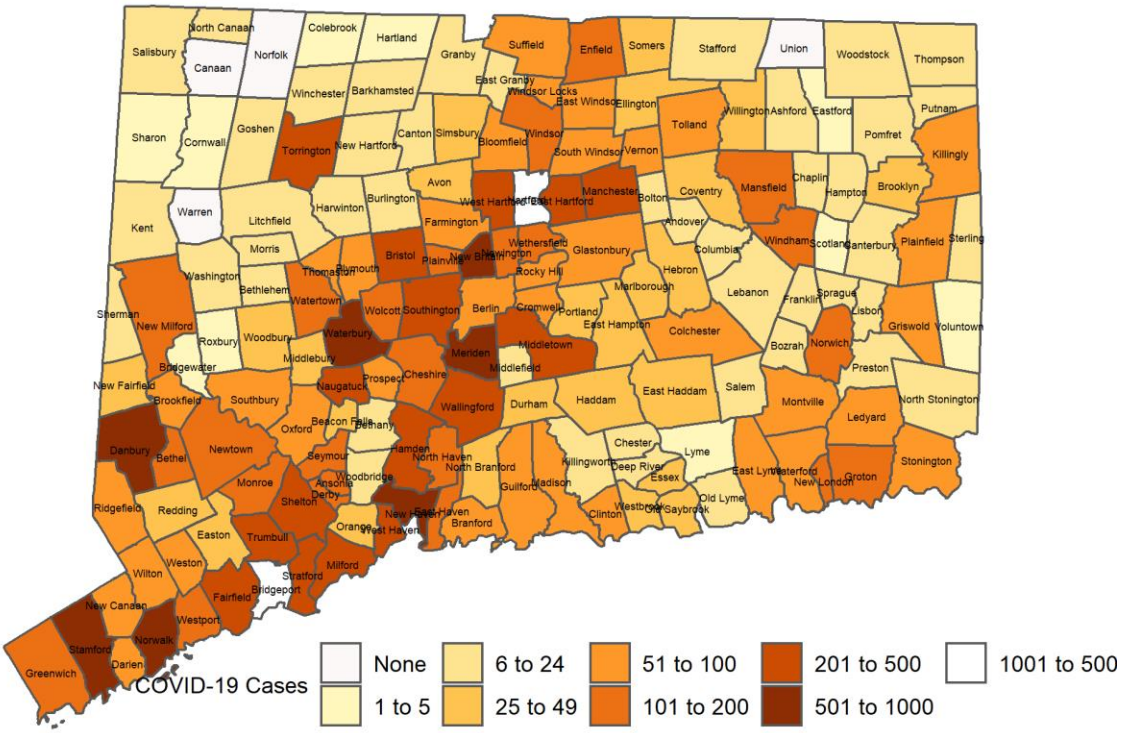


Community Transmission of COVID-19

Among 20,881 new COVID-19 cases with specimen collection or onset date during November 01-14 , there were 20,366 cases among people living in community settings, as shown in the map below. This corresponds to an average of 40.72 new COVID-19 cases per day per 100,000 population. Cases among people residing in nursing homes, managed residential community 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 49 towns.

Number of COVID-19 Cases among People Living in Community Settings by Town with Specimen Collection or Onset Date During November 01-14

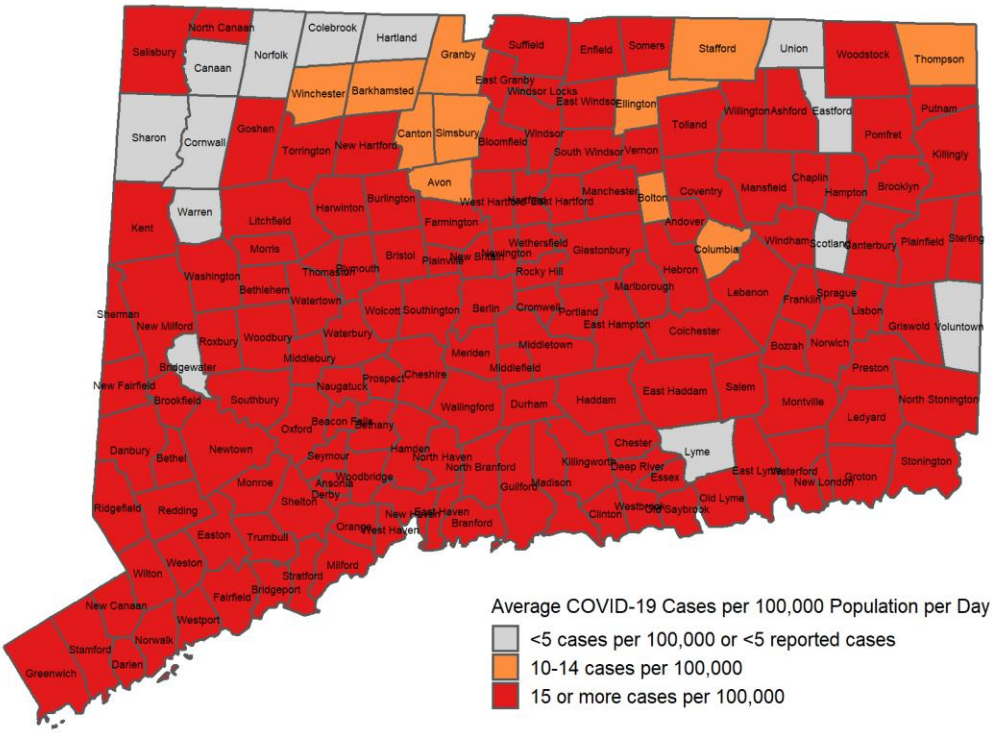


Map does not include 213 *cases pending address validation*

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, managed residential community facilities, and correctional facilities are excluded.

Among towns with at least 5 new cases during November 01-14 , one hundred and forty-five 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 November 01-14



Map does not include 213 *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 November 01-14, 2020

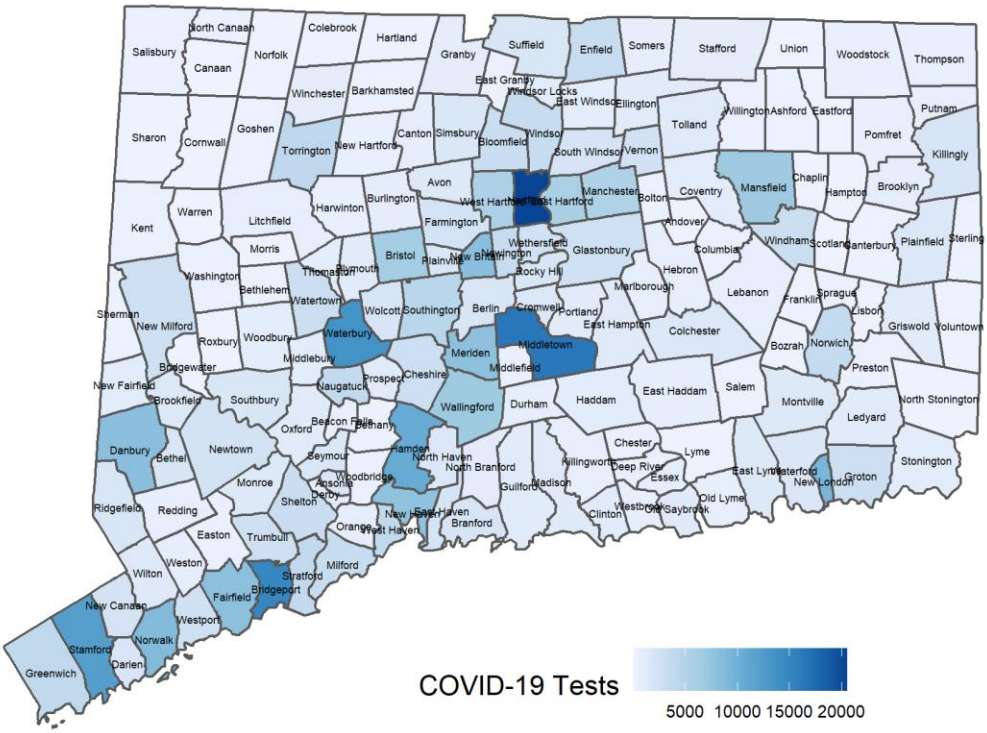
Map does not include 213 *cases pending address validation*

Town	Pop	Cases	Rate	Town	Pop	Cases	Rate	Town	Pop	Cases	Rate
Andover	3231	9	19.9	Griswold	11591	52	32.0	Prospect	9790	77	56.2
Ansonia	18721	137	52.3	Groton	38692	142	26.2	Putnam	9395	22	16.7
Ashford	4261	9	15.1	Guilford	22216	52	16.7	Redding	9125	34	26.6
Avon	18302	36	14.0	Haddam	8222	40	34.7	Ridgefield	25008	71	20.3
Barkhamsted	3624	7	13.8	Hamden	60940	445	52.2	Rocky Hill	20145	92	32.6
Beacon Falls	6182	46	53.1	Hampton	1853	7	27.0	Roxbury	2160	5	16.5
Berlin	20432	90	31.5	Hartford	122587	1064	62.0	Salem	4123	10	17.3
Bethany	5479	19	24.8	Hartland	2120	2	6.7	Salisbury	3598	11	21.8
Bethel	19714	111	40.2	Harwinton	5430	14	18.4	Scotland	1685	2	8.5
Bethlehem	3422	15	31.3	Hebron	9482	43	32.4	Seymour	16509	118	51.1
Bloomfield	21301	79	26.5	Kent	2785	9	23.1	Sharon	2703	1	2.6
Bolton	4890	10	14.6	Killingly	17287	79	32.6	Shelton	41097	240	41.7
Bozrah	2537	6	16.9	Killingworth	6370	24	26.9	Sherman	3614	11	21.7
Branford	28005	98	25.0	Lebanon	7207	24	23.8	Simsbury	24979	41	11.7
Bridgeport	144900	1577	77.7	Ledyard	14736	52	25.2	Somers	10834	31	20.4
Bridgewater	1641	4	17.4	Lisbon	4248	14	23.5	South Windsor	26054	97	26.6
Bristol	60032	341	40.6	Litchfield	8127	22	19.3	Southbury	19656	78	28.3
Brookfield	17002	67	28.1	Lyme	2338	2	6.1	Southington	43807	266	43.4
Brooklyn	8280	31	26.7	Madison	18106	60	23.7	Sprague	2889	13	32.1
Burlington	9665	25	18.5	Manchester	57699	229	28.3	Stafford	11884	17	10.2
Canaan	1055	0	0.0	Mansfield	25817	155	42.9	Stamford	129775	973	53.6
Canterbury	5100	14	19.6	Marlborough	6358	27	30.3	Sterling	3780	11	20.8
Canton	10270	17	11.8	Meriden	59540	624	74.9	Stonington	18449	59	22.8
Chaplin	2256	8	25.3	Middlebury	7731	34	31.4	Stratford	51967	298	41
Cheshire	29179	139	34.0	Middlefield	4380	14	22.8	Suffield	15743	71	32.2
Chester	4229	9	15.2	Middletown	46146	296	45.8	Thomaston	7560	53	50.1
Clinton	12950	66	36.4	Milford	54661	217	28.4	Thompson	9395	17	12.9
Colchester	15936	56	25.1	Monroe	19470	106	38.9	Tolland	14655	59	28.8
Colebrook	1405	2	10.2	Montville	18716	66	25.2	Torrington	34228	266	55.5
Columbia	5385	11	14.6	Morris	2262	6	18.9	Trumbull	35802	217	43.3
Cornwall	1368	2	10.4	Naugatuck	31288	252	57.5	Union	840	0	0
Coventry	12414	35	20.1	New Britain	72453	604	59.5	Vernon	29303	94	22.9
Cromwell	13905	79	40.6	New Canaan	20213	97	34.3	Voluntown	2535	4	11.3
Danbury	84730	871	73.4	New Fairfield	13877	46	23.7	Wallingford	44535	357	57.3
Darien	21753	80	26.3	New Hartford	6685	20	21.4	Warren	1399	0	0
Deep River	4463	16	25.6	New Haven	130418	567	31.1	Washington	3434	8	16.6
Derby	12515	101	57.6	New London	26939	187	49.6	Waterbury	108093	997	65.9
Durham	7195	40	39.7	New Milford	26974	130	34.4	Waterford	18887	80	30.3
East Granby	5147	12	16.7	Newington	30112	196	46.5	Watertown	21641	145	47.9
East Haddam	8988	37	29.4	Newtown	27774	117	30.1	West Hartford	62939	208	23.6
East Hampton	12854	37	20.6	Norfolk	1640	0	0.0	West Haven	54879	248	32.3
East Hartford	49998	360	51.4	North Branford	14158	49	24.7	Westbrook	6914	33	34.1
East Haven	28699	136	33.8	North Canaan	3254	10	22.0	Weston	10247	57	39.7
East Lyme	18645	57	21.8	North Haven	23691	110	33.2	Westport	28115	130	33
East Windsor	11375	54	33.9	North Stonington	5243	12	16.3	Wethersfield	26082	137	37.5
Eastford	1790	2	8.0	Norwalk	89047	686	55.0	Willington	5887	26	31.5
Easton	7517	26	24.7	Norwich	39136	183	33.4	Wilton	18397	82	31.8
Ellington	16299	34	14.9	Old Lyme	7366	19	18.4	Winchester	10655	21	14.1
Enfield	44466	148	23.8	Old Saybrook	10087	32	22.7	Windham	24706	156	45.1
Essex	6674	29	31.0	Orange	13949	47	24.1	Windsor	28760	158	39.2
Fairfield	61952	428	49.3	Oxford	13226	54	29.2	Windsor Locks	12876	55	30.5
Farmington	25506	63	17.6	Plainfield	15173	82	38.6	Wolcott	16649	150	64.4
Franklin	1933	9	33.3	Plainville	17623	106	43.0	Woodbridge	8805	21	17
Glastonbury	34491	89	18.4	Plymouth	11645	65	39.9	Woodbury	9537	44	33
Goshen	2879	23	57.1	Pomfret	4204	9	15.3	Woodstock	7862	17	15.4
Granby	11375	16	10.0	Portland	9305	34	26.1				
Greenwich	62727	192	21.9	Preston	4638	14	21.6				

COVID-19 Molecular and Antigen Tests during November 01-14

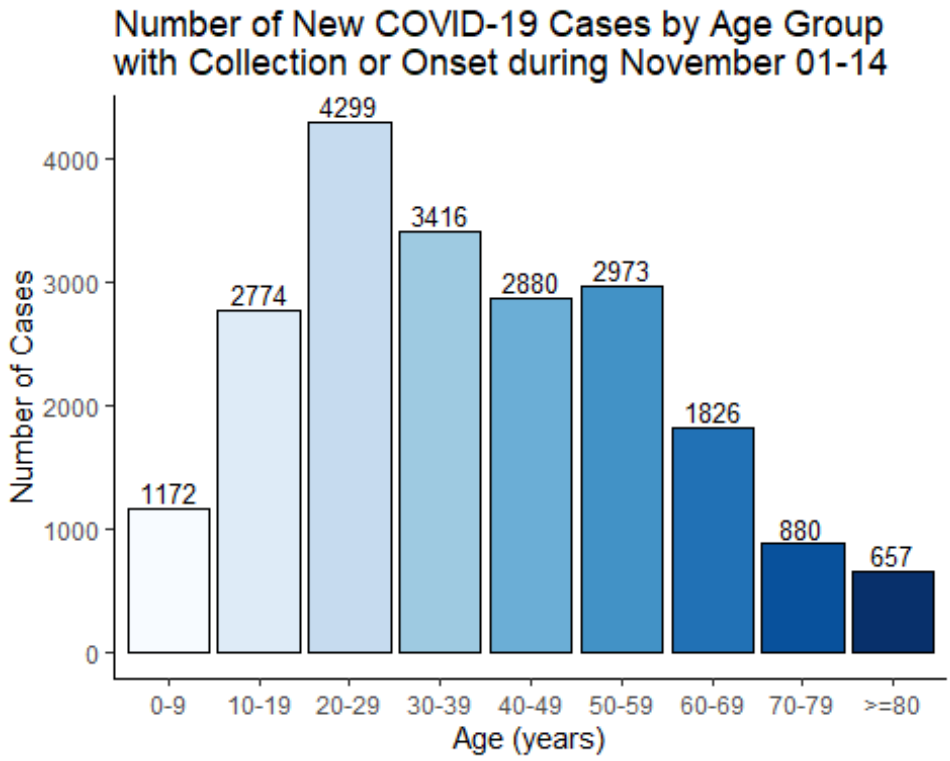
Among 404,897 molecular and antigen tests for COVID-19 with specimen collection date during November 01-14, 377,761 (93%) tests were conducted among people who did not reside in congregate settings (including nursing homes, managed residential community, and correctional facilities). Of these 377,761 tests, 22,497 (6%) were positive. The map below shows the number of molecular and antigen COVID-19 tests by town with specimen collection date during November 01-14 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 November 01-14



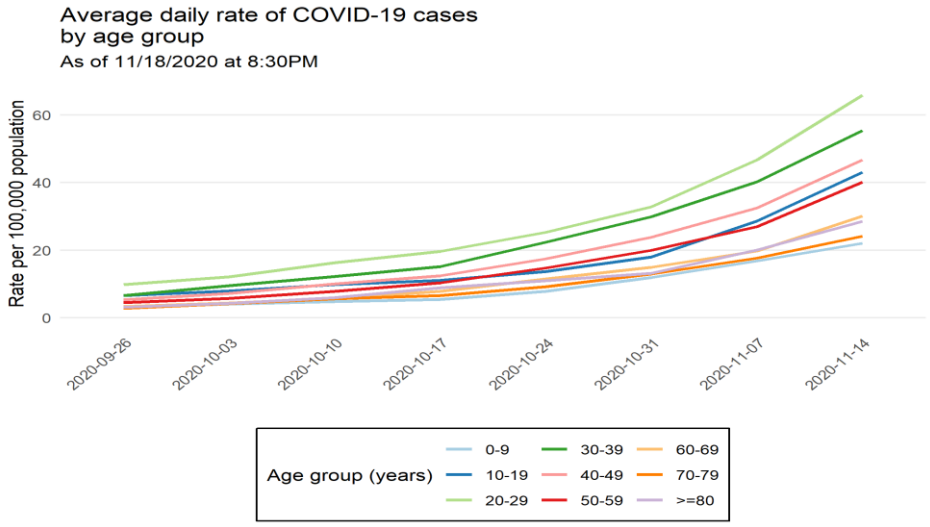
Map does not include tests pending address validation

Age Distribution of COVID-19 Cases with Specimen Collection or Onset During November 01-14 , 2020



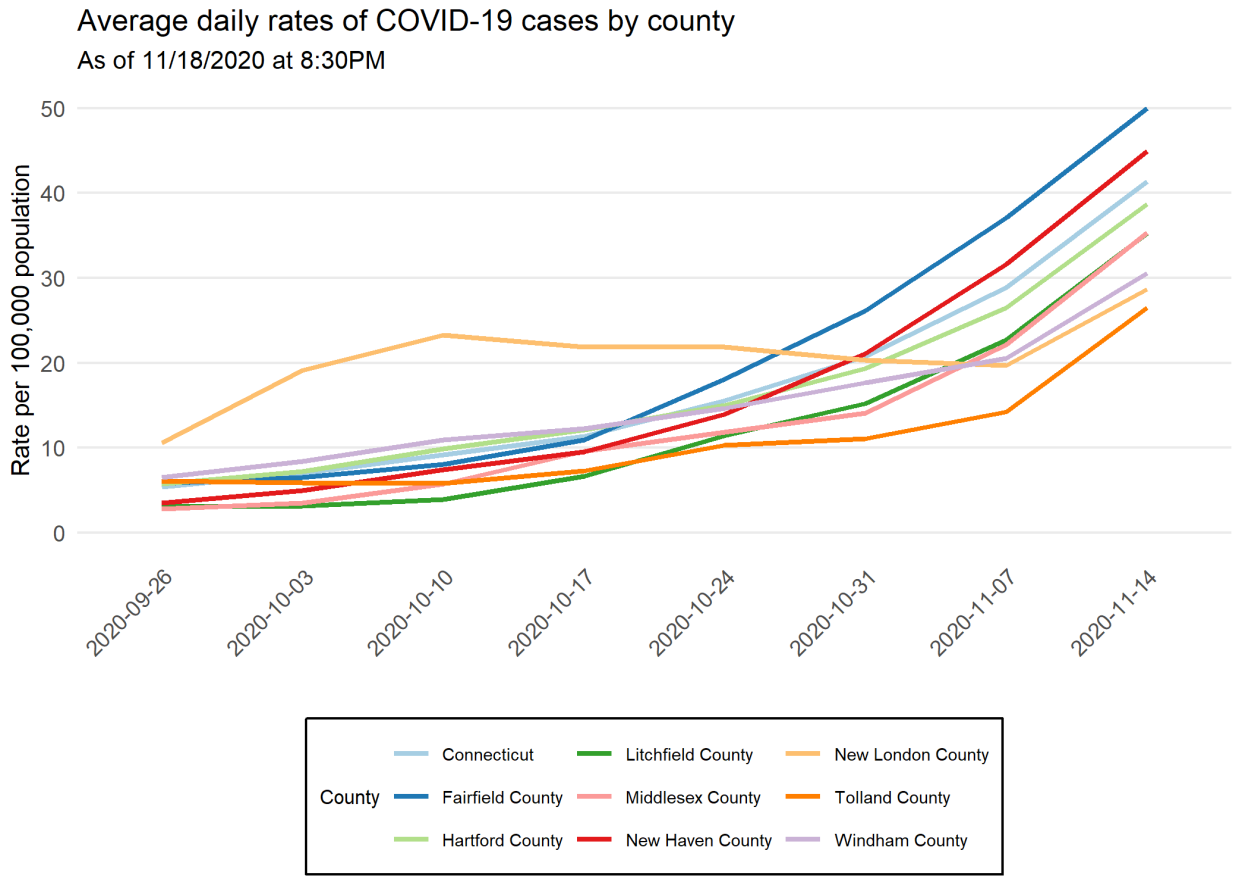
Average Daily Incidence by Age Group

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.



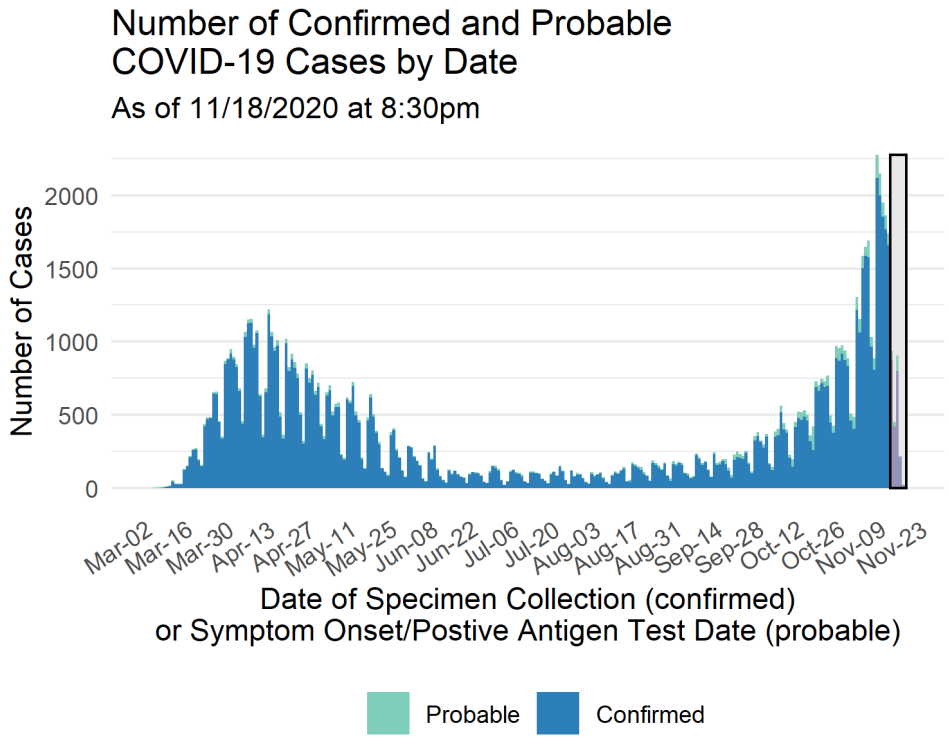
Average Daily Incidence by County

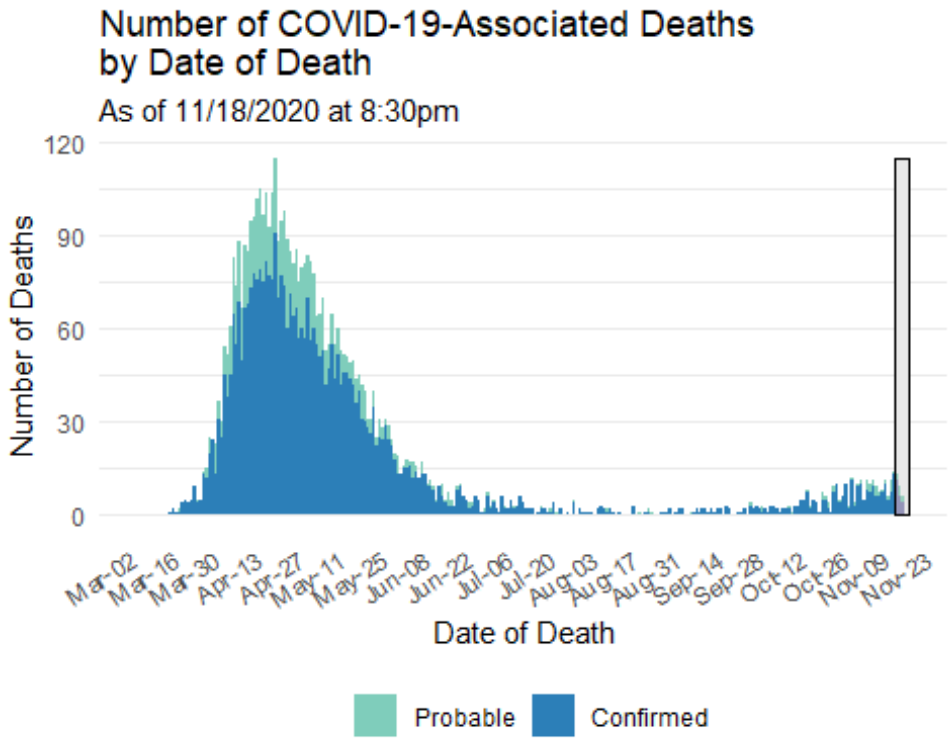
The chart below shows the average number of new COVID-19 cases per day per 100,000 population in the state of Connecticut and for each Connecticut county. The rates in this chart are calculated by averaging the number of new cases diagnosed each day during the previous two weeks, dividing by the annual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



Cumulative Number of COVID-19 Cases and COVID-19-Associated Death 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.



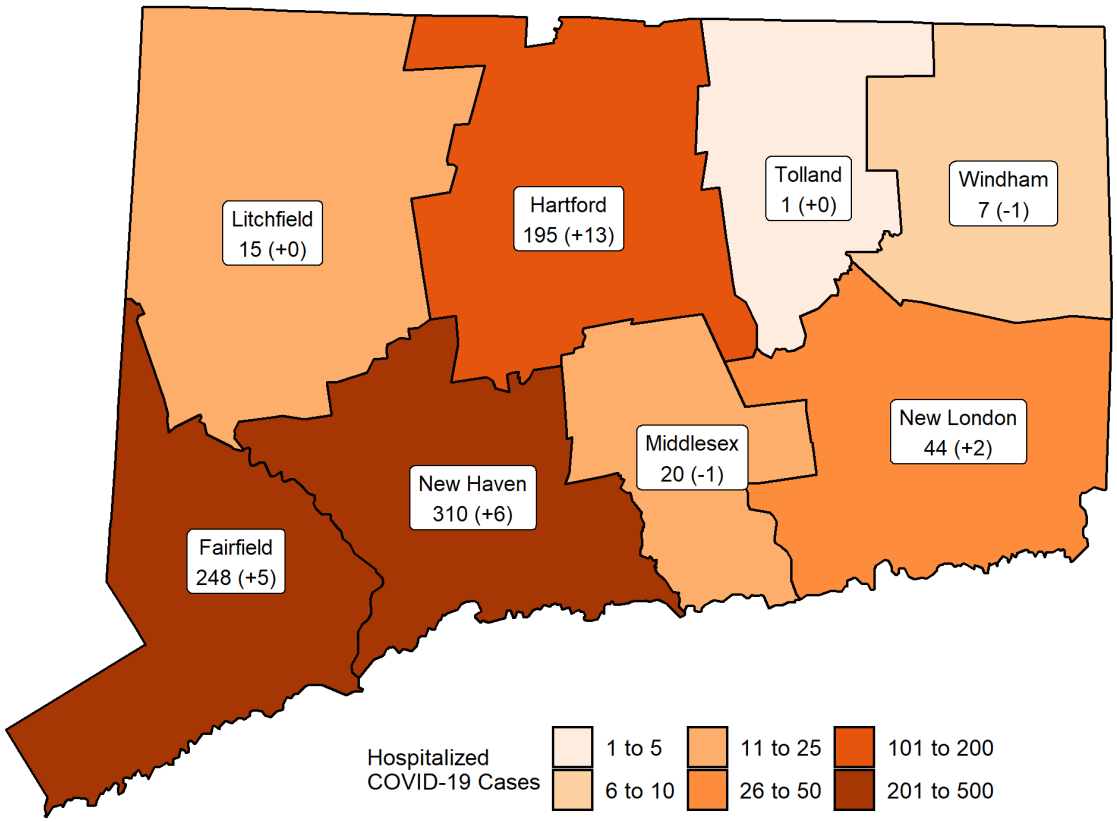


Hospitalization Surveillance

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

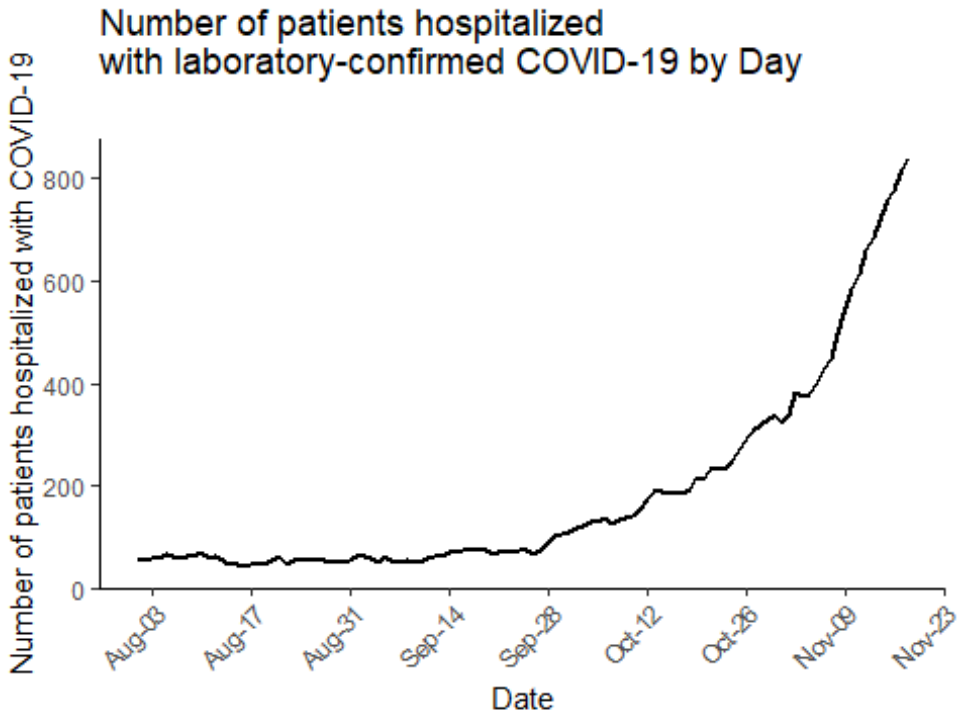
Distribution by location of hospital not patient residence. Data from the Connecticut Hospital Association.



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

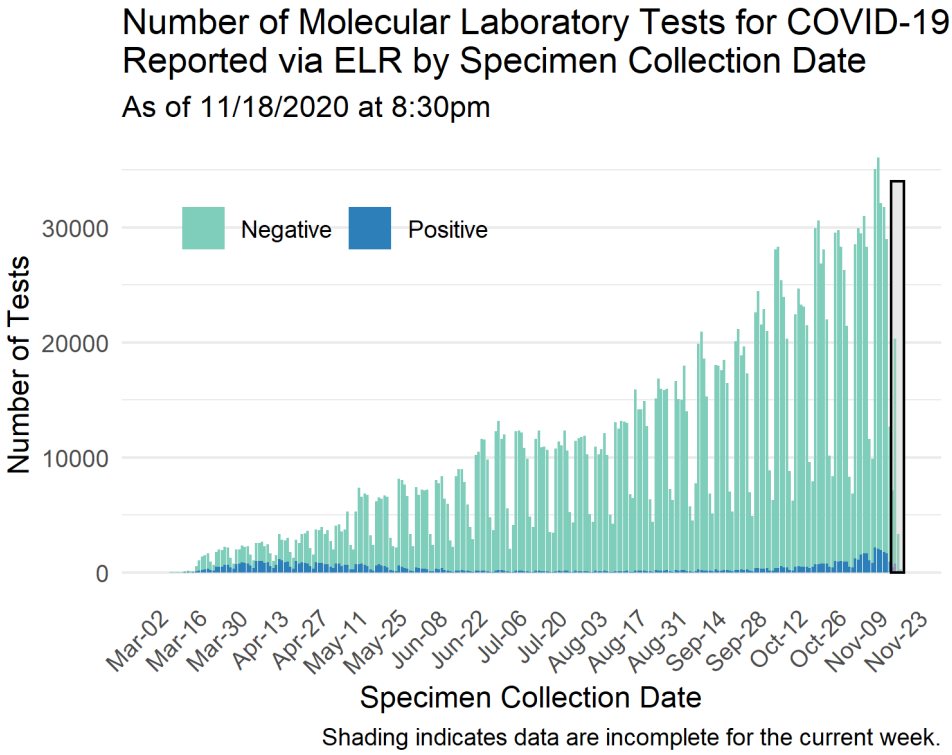


Laboratory Surveillance

Molecular Tests

To date, DPH has received reports on a total of 2850019 molecular COVID-19 laboratory tests; of these 2543813 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.



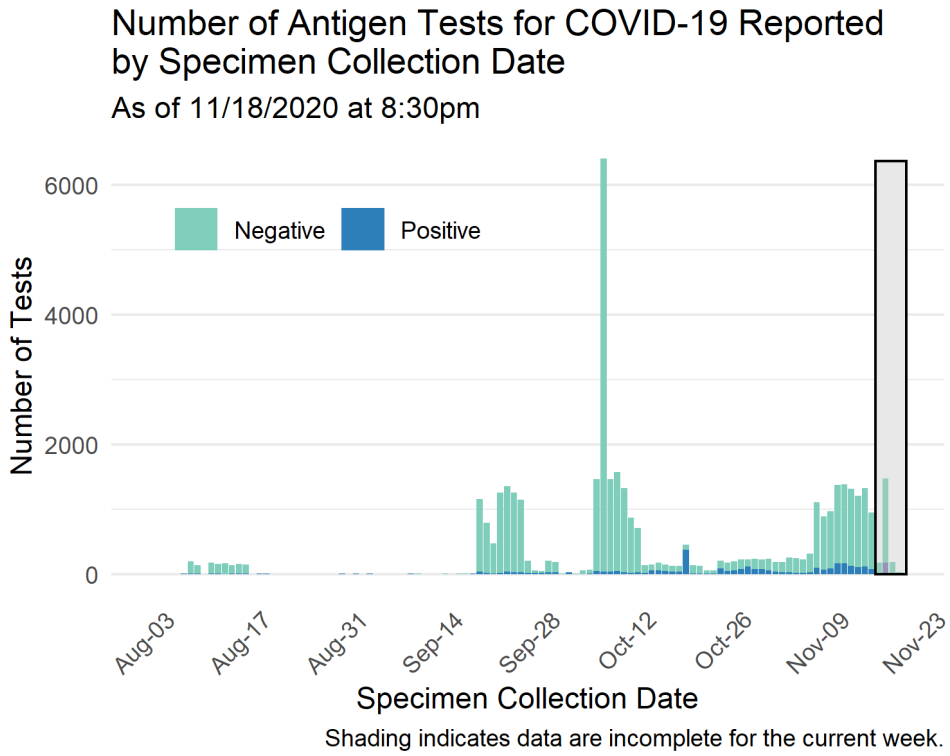
Testing of recently collected specimens is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.

ELR = Electronic Laboratory Reporting

Antigen Tests

To date, DPH has received reports on a total of 40505 COVID-19 antigen laboratory tests. The chart below shows the number of antigen tests reported to DPH by specimen collection date and test result.

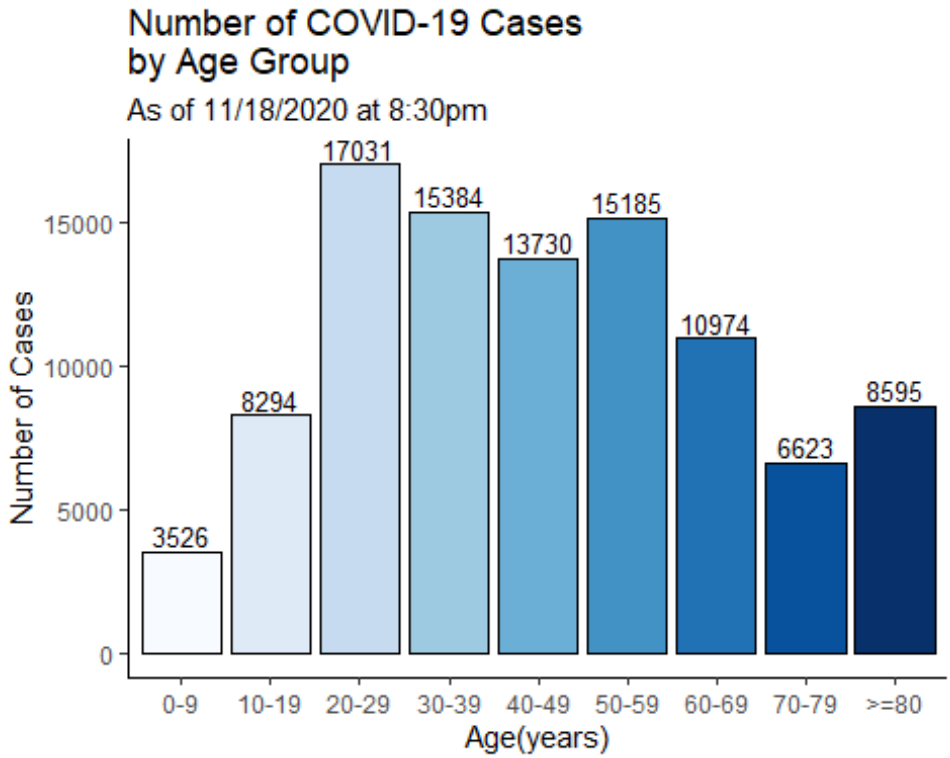
Test results may be reported several days after specimen collection. Data are incomplete for most recent dates shaded in grey. Data for previous dates are routinely updated.

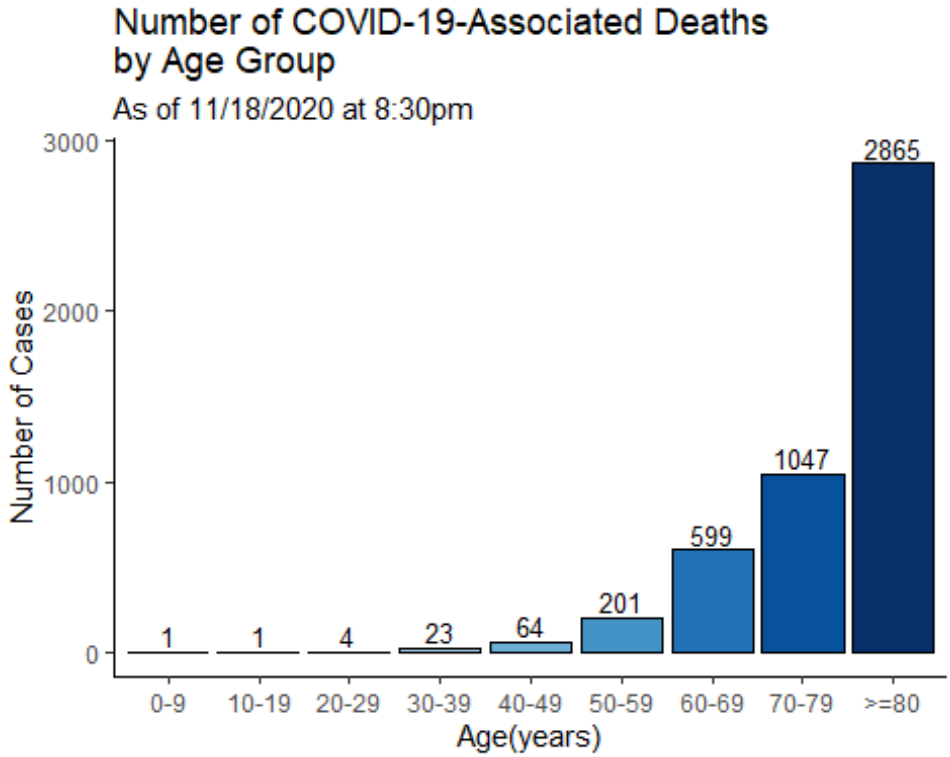


Testing of recently collected specimens is ongoing and does not reflect a decrease in testing.

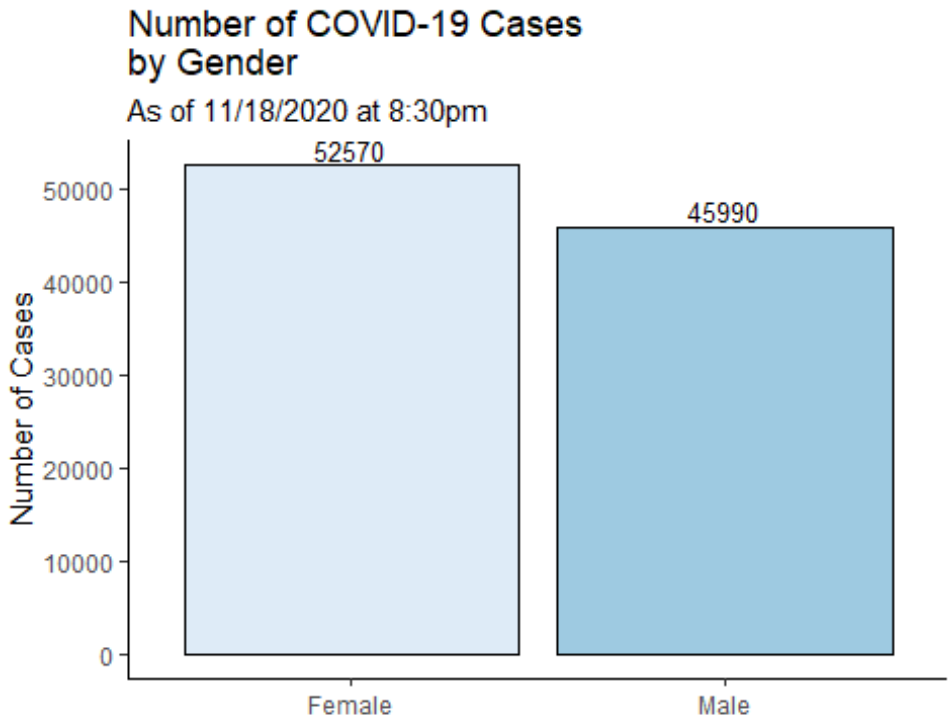
Characteristics of COVID-19 Cases and Associated Deaths

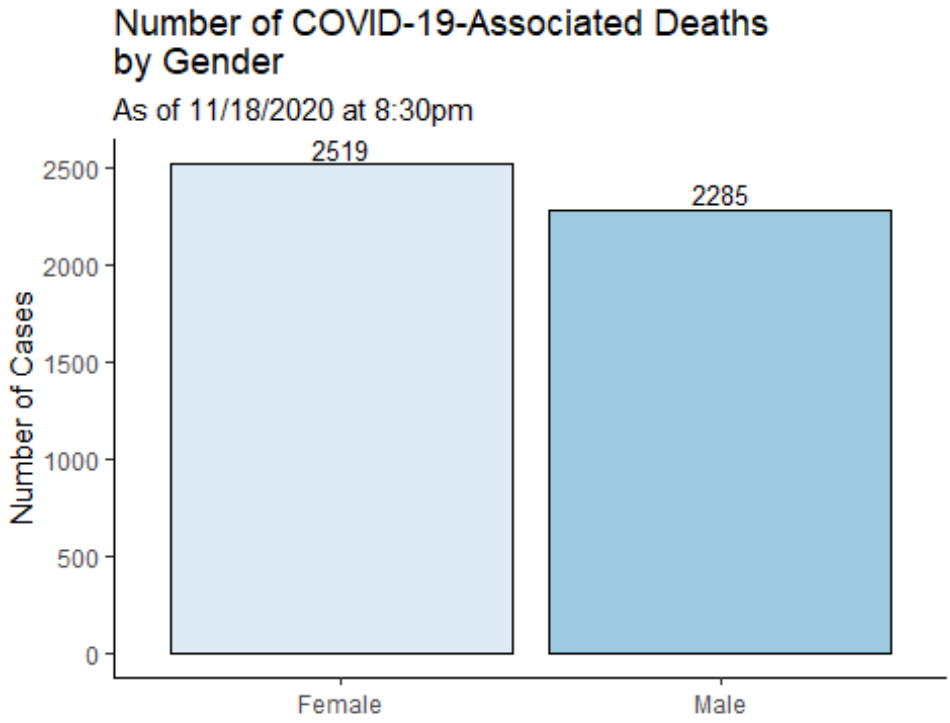
Counts may not add up to total case count because demographic data may be missing.





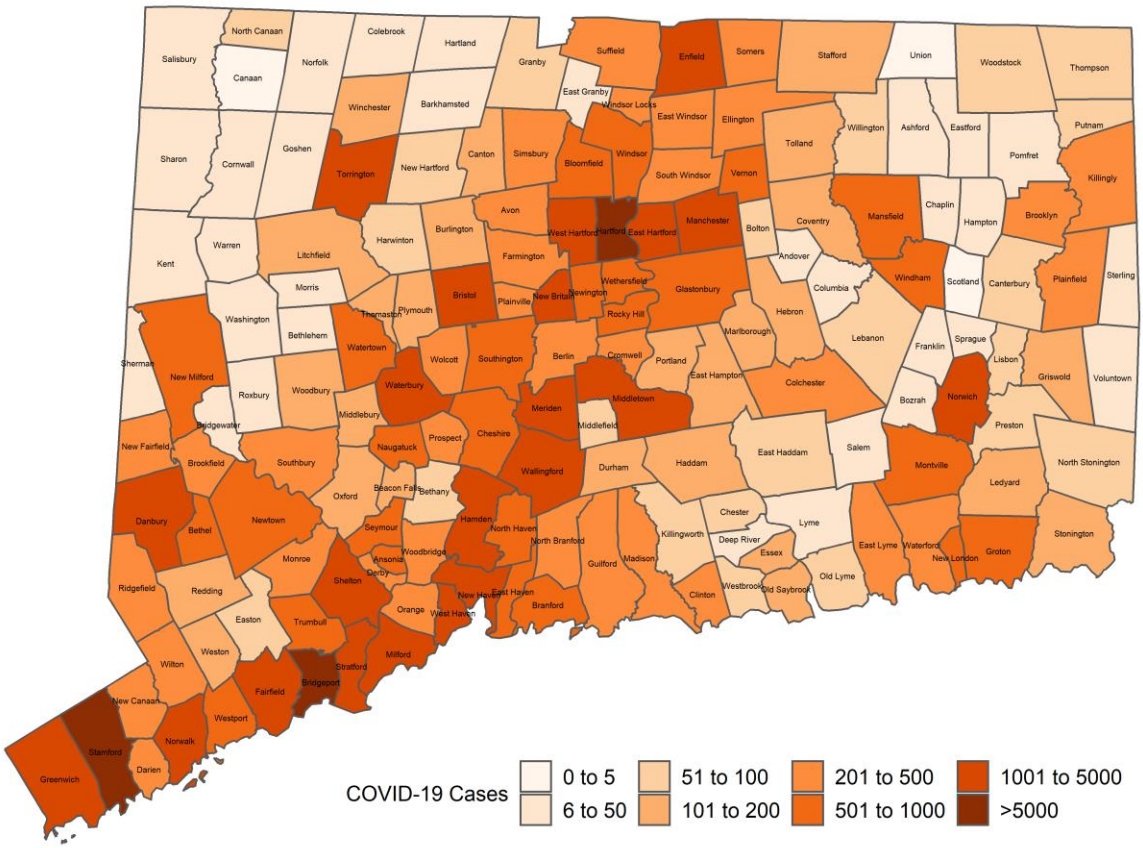
Counts may not add up to total case count because demographic data may be missing.





Cumulative Number of COVID-19 Cases by Town

Map does not include 403 cases pending address validation

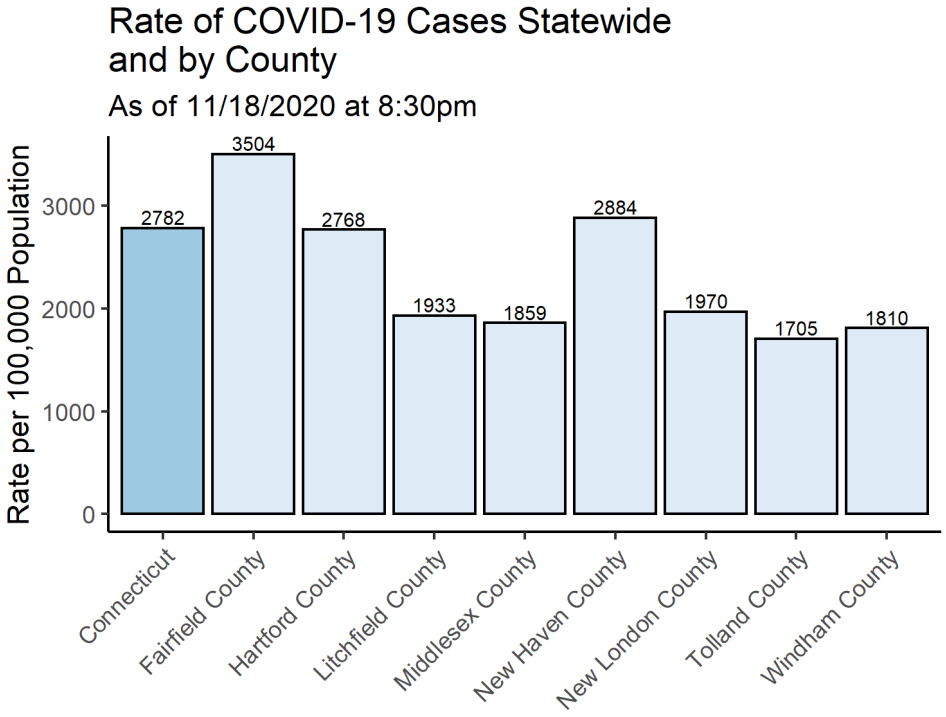


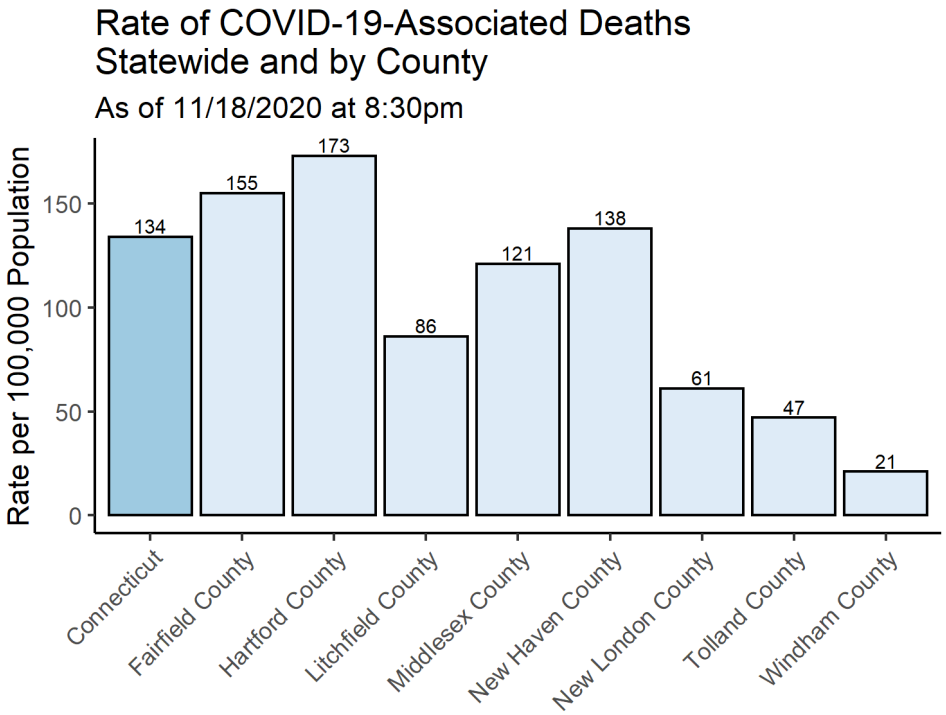
APPENDIX A. Cumulative Number of COVID-19 Cases by Town

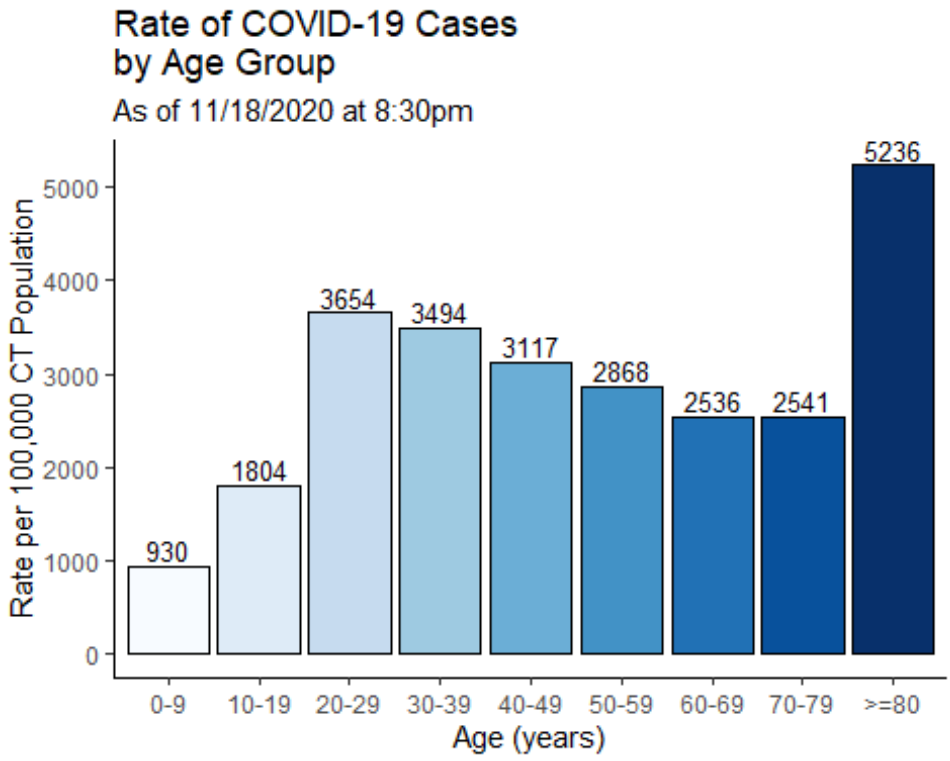
Table does not include 403 cases pending address validation

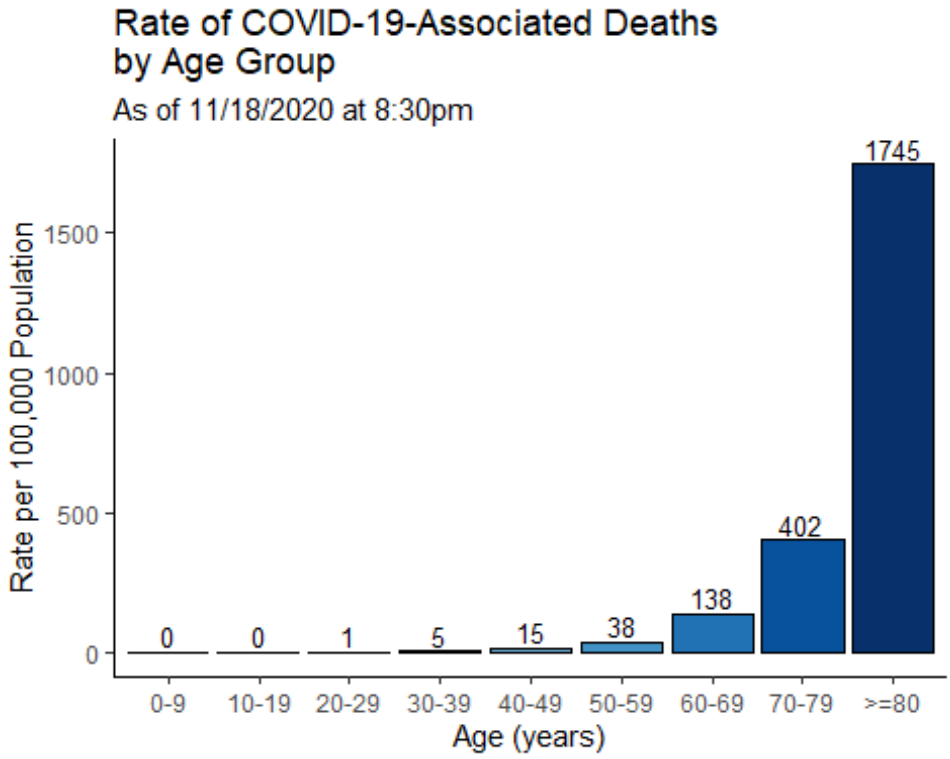
Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	28	1	Griswold	186	2	Prospect	212	15
Ansonia	556	38	Groton	616	27	Putnam	97	3
Ashford	39	3	Guilford	216	28	Redding	130	13
Avon	325	17	Haddam	116	4	Ridgefield	376	51
Barkhamsted	47	3	Hamden	1745	132	Rocky Hill	595	32
Beacon Falls	122	8	Hampton	24	0	Roxbury	24	4
Berlin	366	31	Hartford	5451	219	Salem	50	0
Bethany	89	6	Hartland	9	0	Salisbury	39	2
Bethel	468	71	Harwinton	59	6	Scotland	2	0
Bethlehem	38	7	Hebron	101	5	Seymour	469	32
Bloomfield	761	47	Kent	29	9	Sharon	29	0
Bolton	54	5	Killingly	254	11	Shelton	1071	95
Bozrah	34	0	Killingworth	58	1	Sherman	29	13
Branford	523	66	Lebanon	84	5	Simsbury	237	30
Bridgeport	6670	434	Ledyard	186	4	Somers	362	40
Bridgewater	18	5	Lisbon	50	1	South Windsor	378	25
Bristol	1355	73	Litchfield	98	6	Southbury	337	23
Brookfield	335	44	Lyme	15	2	Southington	801	65
Brooklyn	239	5	Madison	247	24	Sprague	47	1
Burlington	101	5	Manchester	1292	100	Stafford	162	14
Canaan	2	0	Mansfield	499	72	Stamford	5214	287
Canterbury	67	1	Marlborough	143	7	Sterling	33	0
Canton	144	11	Meriden	2051	96	Stonington	155	10
Chaplin	24	1	Middlebury	134	16	Stratford	1404	133
Cheshire	527	26	Middlefield	62	6	Suffield	307	27
Chester	58	1	Middletown	1187	56	Thomaston	150	9
Clinton	192	9	Milford	1024	120	Thompson	83	3
Colchester	242	12	Monroe	317	30	Tolland	171	20
Colebrook	9	1	Montville	498	12	Torrington	999	48
Columbia	49	1	Morris	23	0	Trumbull	889	106
Cornwall	13	0	Naugatuck	855	64	Union	4	1
Coventry	145	7	New Britain	2648	172	Vernon	511	47
Cromwell	284	22	New Canaan	348	26	Voluntown	32	0
Danbury	4341	460	New Fairfield	222	24	Wallingford	1204	62
Darien	379	37	New Hartford	75	2	Warren	5	2
Deep River	44	5	New Haven	4061	303	Washington	45	2
Derby	345	17	New London	926	22	Waterbury	4302	303
Durham	117	14	New Milford	508	81	Waterford	397	15
East Granby	46	2	Newington	795	43	Watertown	462	46
East Haddam	85	2	Newtown	457	50	West Hartford	1365	121
East Hampton	141	13	Norfolk	17	1	West Haven	1596	138
East Hartford	1846	90	North Branford	188	27	Westbrook	90	5
East Haven	641	113	North Canaan	68	4	Weston	155	21
East Lyme	308	22	North Haven	506	56	Westport	566	54
East Windsor	326	20	North Stonington	49	3	Wethersfield	539	25
Eastford	16	1	Norwalk	3757	272	Willington	61	4
Easton	89	6	Norwich	1047	15	Wilton	370	47
Ellington	190	19	Old Lyme	65	0	Winchester	113	3
Enfield	982	48	Old Saybrook	191	8	Windham	833	9
Essex	99	7	Orange	220	33	Windsor	917	55
Fairfield	1541	256	Oxford	168	13	Windsor Locks	242	13
Farmington	395	33	Plainfield	252	2	Wolcott	396	34
Franklin	39	0	Plainville	372	26	Woodbridge	181	25
Glastonbury	509	42	Plymouth	181	16	Woodbury	139	9
Goshen	42	2	Pomfret	43	0	Woodstock	72	1
Granby	75	5	Portland	137	11			
Greenwich	1303	106	Preston	75	2			

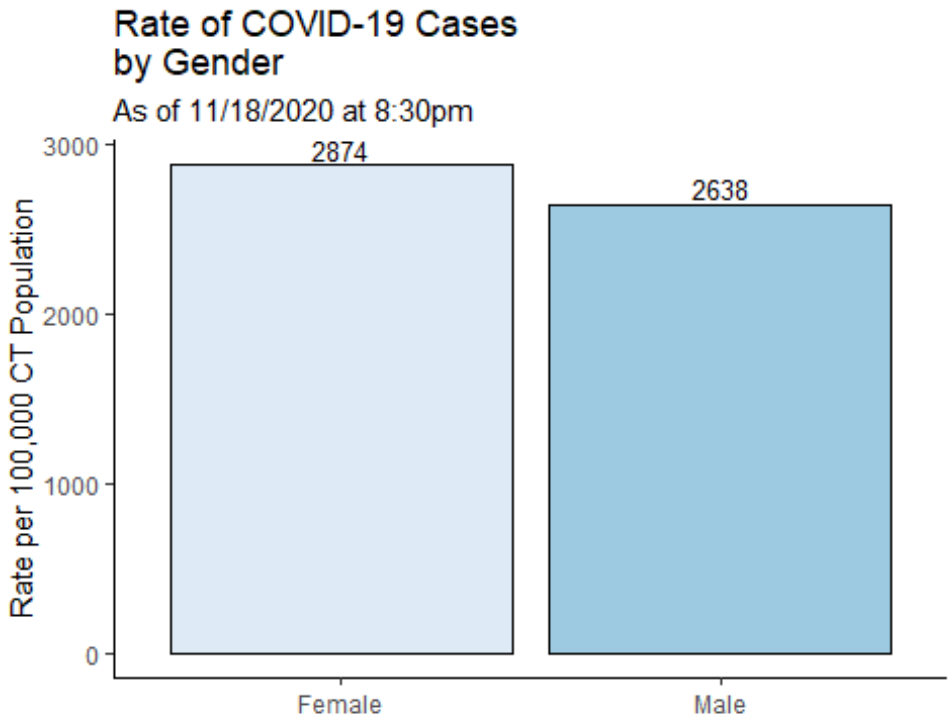
APPENDIX B. The following graphs show the number of cases per 100,000 Connecticut residents statewide and by county, age group, and gender. Population estimate from: [DPH Population Statistics]

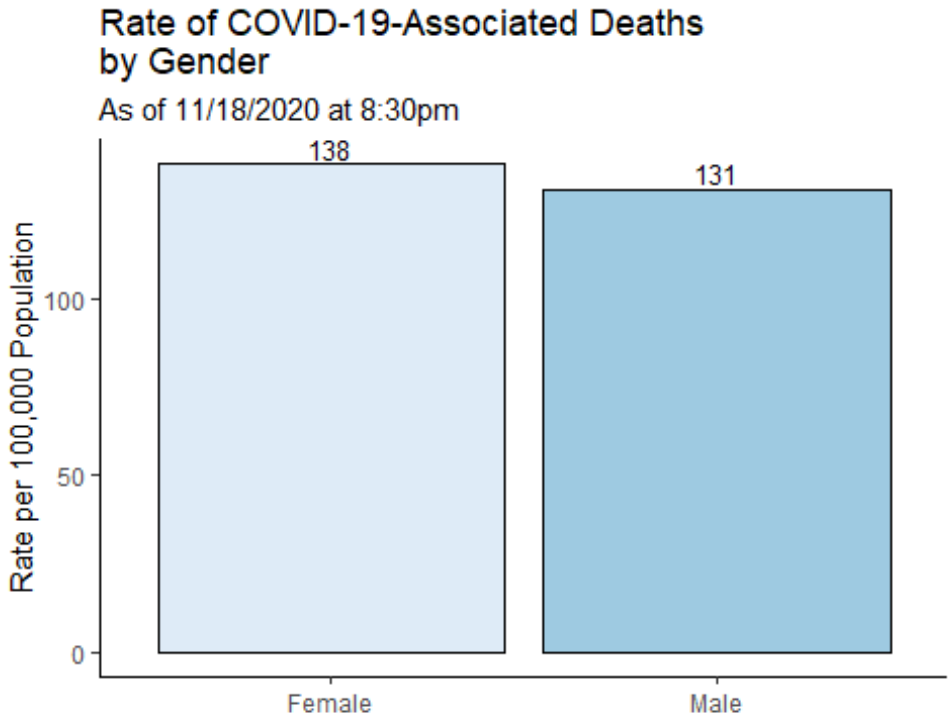




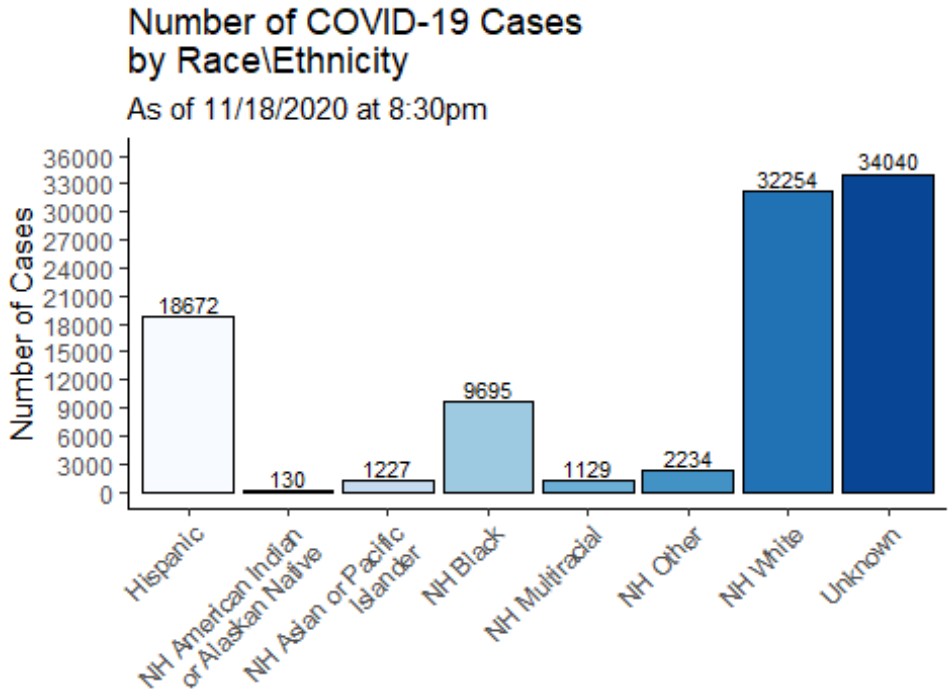

Rate of COVID-19 Cases
by Age Group
As of 11/18/2020 at 8:30pm
Rate per 100,000 CT Population
0
1000
2000
3000
4000
5000
930
1804
3654
3494
3117
2868
2536
2541
5236
0-9
10-19
20-29
30-39
40-49
50-59
60-69
70-79
>=80
Age (years)

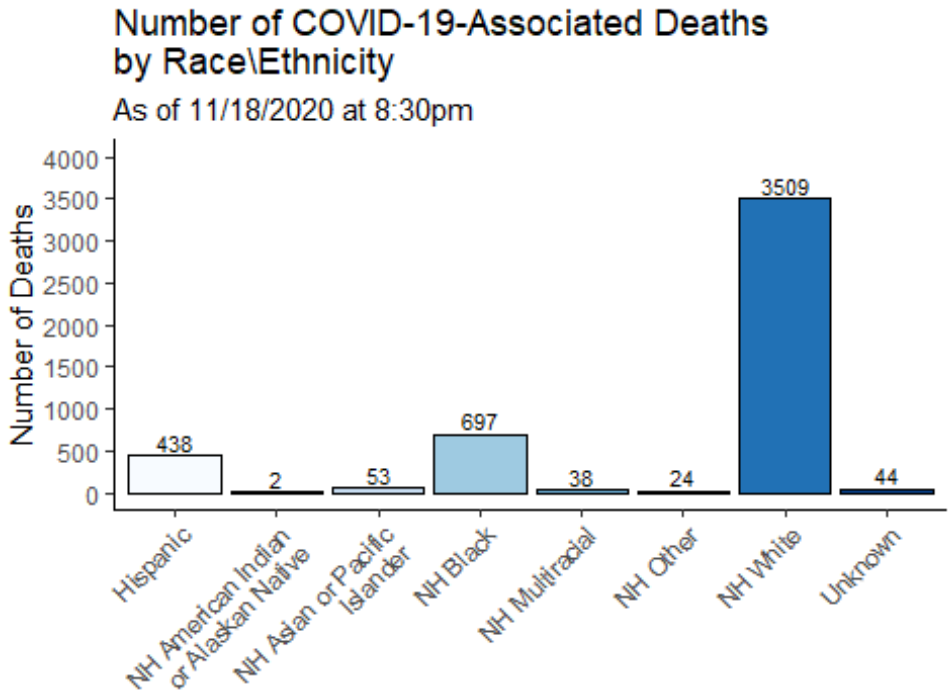

Rate of COVID-19-Associated Deaths
by Age Group
As of 11/18/2020 at 8:30pm
Rate per 100,000 Population
0
500
1000
1500
0
0
1
5
15
38
138
402
1745
0-9
10-19
20-29
30-39
40-49
50-59
60-69
70-79
>=80
Age (years)


Rate of COVID-19 Cases
by Gender
As of 11/18/2020 at 8:30pm
Rate per 100,000 CT Population
3000
2000
1000
0
2874
2638
Female
Male


Rate of COVID-19-Associated Deaths
by Gender
As of 11/18/2020 at 8:30pm
Rate per 100,000 Population
100
50
0
138
131
Female
Male

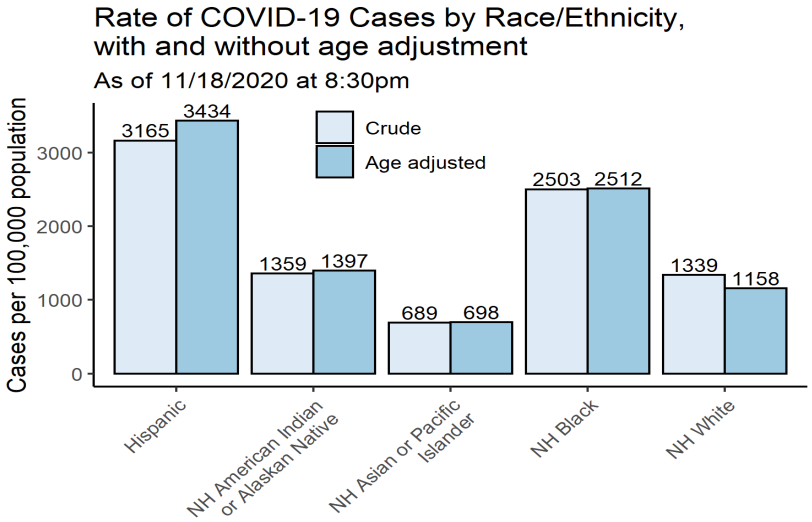
APPENDIX C. The following graphs show the number of cases and deaths by race and ethnicity. *Categories are mutually exclusive. The category "multiracial" includes people who answered 'yes' to more than one race category. NH=Non-Hispanic*

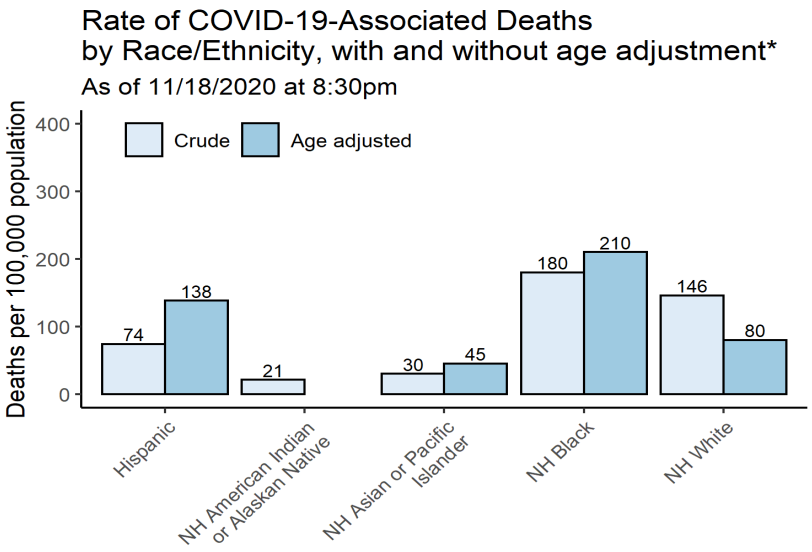




The following graphs show the number of COVID-19 cases and COVID-19-associated deaths per 100,000 population by race and ethnicity. Crude rates represent the total cases or deaths per 100,000 people. Age-adjusted rates consider the age of the person at diagnosis or death when estimating the rate and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