COVID-19 Update November 25, 2020

As of **November 24, 2020, at 8:30 PM**, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is **109152**, including **101541** laboratory-confirmed and **7611** probable cases. **Nine hundred sixty-eight** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **4926** 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)	109152	+1872
COVID-19 Tests Reported (molecular and antigen)	3075502	+31232
Daily Test Positivity		5.99%
Patients Currently Hospitalized with COVID-19	968	+77
COVID-19-Associated Deaths	4926	+45

*Includes confirmed plus probable cases

COVID-19 Cases and Associated Deaths by County of Residence *as of 11/24/20 8:30pm.*

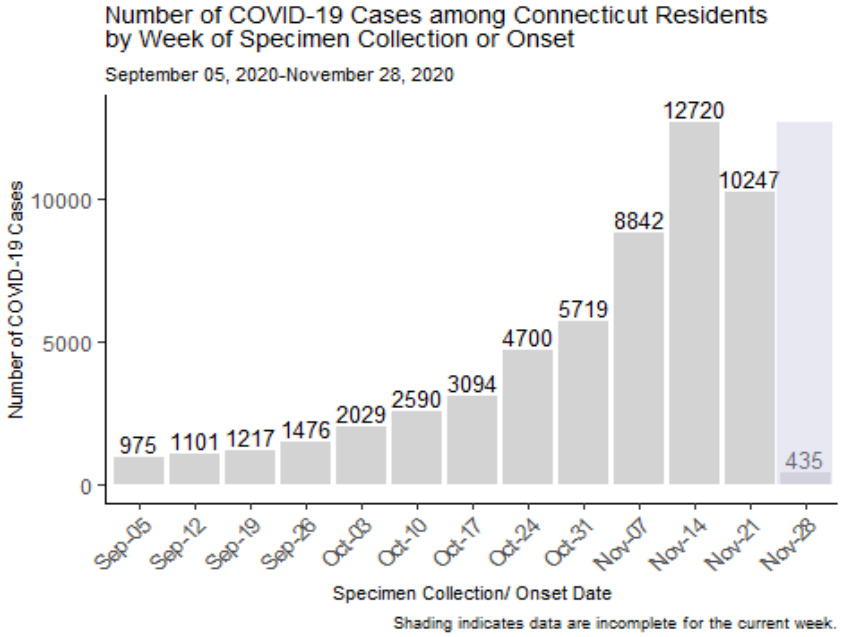
County	COVID-19 Cases		COVID-19-Associated Deaths	
	Confirmed	Probable	Confirmed	Probable
Fairfield County	33157	2880	1158	330
Hartford County	25551	1510	1252	335
Litchfield County	3703	312	139	21
Middlesex County	3257	184	163	40
New Haven County	24890	2202	1042	180
New London County	5573	158	121	44
Tolland County	2641	260	58	15
Windham County	2334	45	24	4
Pending address validation	435	60	0	0
Total	**101541**	**7611**	**3957**	**969**

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

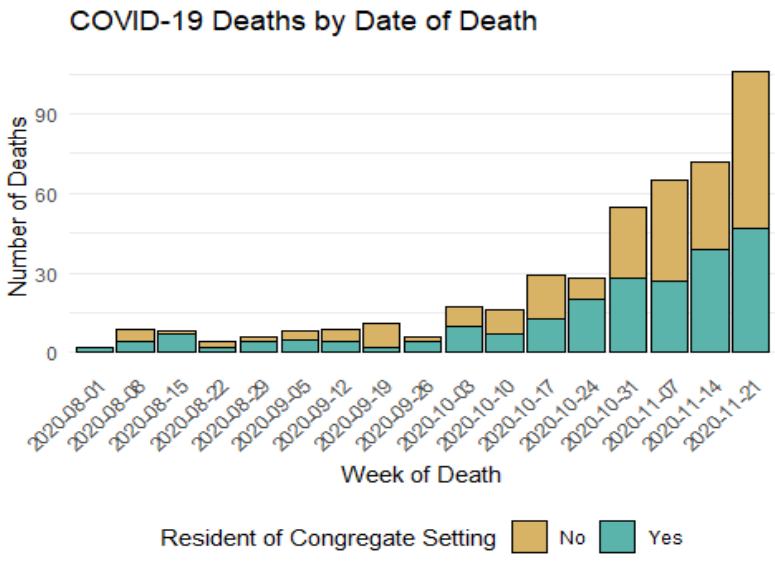
Day-to-day changes reflect newly reported cases, deaths, and tests that occurred over the last several days to week. All data in this report are preliminary; data for previous dates will be updated as new reports are received and data errors are corrected. Hospitalization data were collected by the Connecticut 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. Case data now includes probable cases based on positive antigen test results. During the past two weeks (November 08-21), there were 22,967 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.

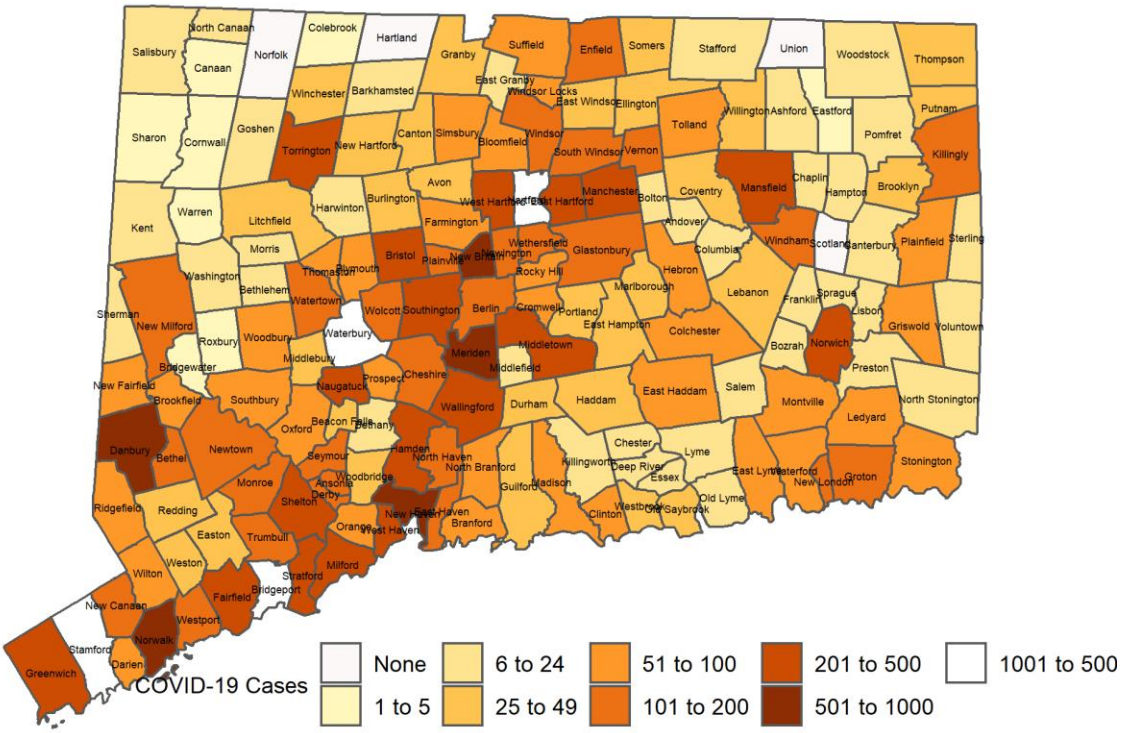


Community Transmission of COVID-19

Among 22,967 new COVID-19 cases with specimen collection or onset date during November 08-21, there were 22,534 cases among people living in community settings, as shown in the map below. This corresponds to an average of 45.05 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 55 towns.

Number of COVID-19 Cases among People Living in Community Settings by Town with Specimen Collection or Onset Date During November 08-21

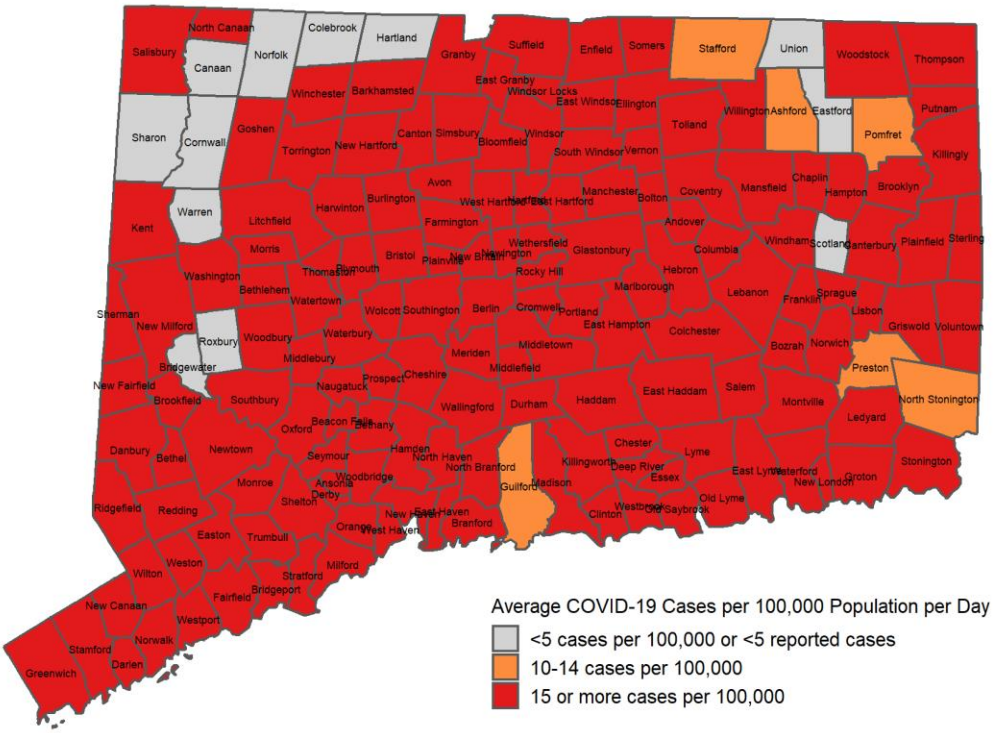


Map does not include 241 *cases pending address validation*

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 November 08-21, 151 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 08-21



Map does not include 241 *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 08-21, 2020

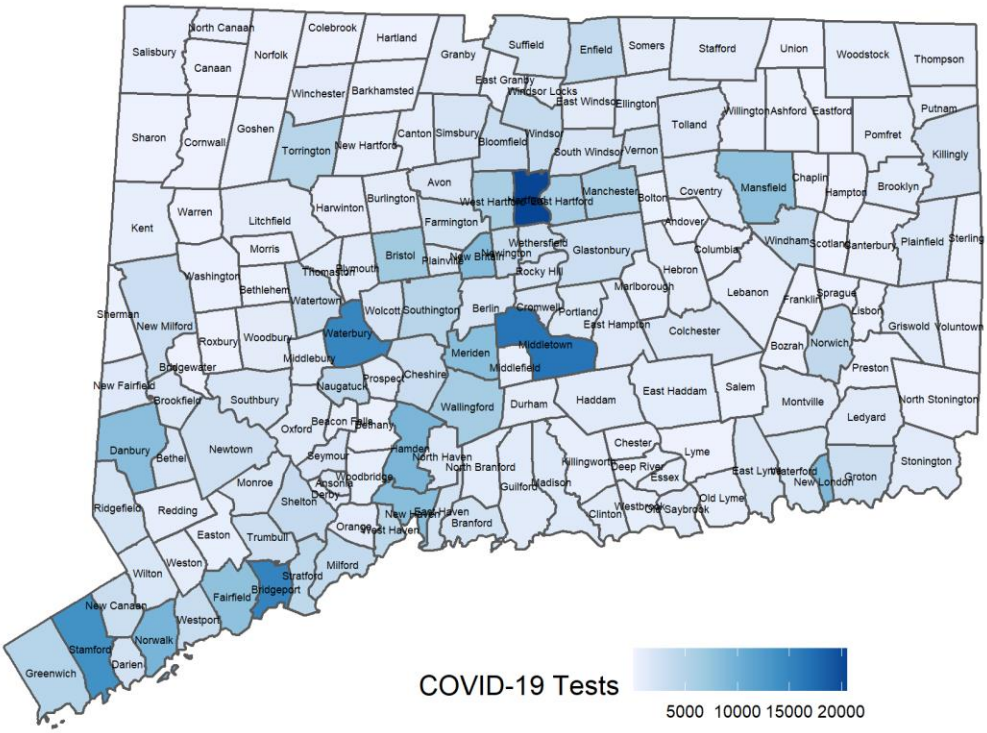
Map does not include 241 *cases pending address validation*

Town	Population	Cases	Rate	Town	Population	Cases	Rate	Town	Population	Cases	Rate
Andover	3231	12	26.5	Griswold	11591	56	34.5	Prospect	9790	75	54.7
Ansonia	18721	160	61.0	Groton	38692	145	26.8	Putnam	9395	37	28.1
Ashford	4261	6	10.1	Guilford	22216	45	14.5	Redding	9125	33	25.8
Avon	18302	45	17.6	Haddam	8222	44	38.2	Ridgefield	25008	87	24.8
Barkhamsted	3624	12	23.7	Hamden	60940	340	39.9	Rocky Hill	20145	98	34.7
Beacon Falls	6182	43	49.7	Hampton	1853	6	23.1	Roxbury	2160	2	6.6
Berlin	20432	118	41.3	Hartford	122587	1267	73.8	Salem	4123	15	26
Bethany	5479	21	27.4	Hartland	2120	0	0.0	Salisbury	3598	11	21.8
Bethel	19714	148	53.6	Harwinton	5430	14	18.4	Scotland	1685	0	0
Bethlehem	3422	15	31.3	Hebron	9482	53	39.9	Seymour	16509	125	54.1
Bloomfield	21301	97	32.5	Kent	2785	10	25.6	Sharon	2703	2	5.3
Bolton	4890	11	16.1	Killingly	17287	105	43.4	Shelton	41097	272	47.3
Bozrah	2537	7	19.7	Killingworth	6370	23	25.8	Sherman	3614	10	19.8
Branford	28005	97	24.7	Lebanon	7207	32	31.7	Simsbury	24979	57	16.3
Bridgeport	144900	1586	78.2	Ledyard	14736	59	28.6	Somers	10834	39	25.7
Bridgewater	1641	4	17.4	Lisbon	4248	20	33.6	South Windsor	26054	102	28
Bristol	60032	417	49.6	Litchfield	8127	33	29.0	Southbury	19656	80	29.1
Brookfield	17002	86	36.1	Lyme	2338	7	21.4	Southington	43807	249	40.6
Brooklyn	8280	39	33.6	Madison	18106	64	25.2	Sprague	2889	18	44.5
Burlington	9665	31	22.9	Manchester	57699	239	29.6	Stafford	11884	23	13.8
Canaan	1055	1	6.8	Mansfield	25817	211	58.4	Stamford	129775	1058	58.2
Canterbury	5100	16	22.4	Marlborough	6358	32	36.0	Sterling	3780	25	47.2
Canton	10270	28	19.5	Meriden	59540	626	75.1	Stonington	18449	60	23.2
Chaplin	2256	7	22.2	Middlebury	7731	43	39.7	Stratford	51967	303	41.6
Cheshire	29179	149	36.5	Middlefield	4380	22	35.9	Suffield	15743	86	39
Chester	4229	11	18.6	Middletown	46146	344	53.2	Thomaston	7560	66	62.4
Clinton	12950	67	37.0	Milford	54661	261	34.1	Thompson	9395	28	21.3
Colchester	15936	75	33.6	Monroe	19470	106	38.9	Tolland	14655	82	40
Colebrook	1405	2	10.2	Montville	18716	59	22.5	Torrington	34228	336	70.1
Columbia	5385	14	18.6	Morris	2262	6	18.9	Trumbull	35802	197	39.3
Cornwall	1368	3	15.7	Naugatuck	31288	266	60.7	Union	840	0	0
Coventry	12414	48	27.6	New Britain	72453	755	74.4	Vernon	29303	147	35.8
Cromwell	13905	97	49.8	New Canaan	20213	112	39.6	Voluntown	2535	6	16.9
Danbury	84730	925	78.0	New Fairfield	13877	66	34.0	Wallingford	44535	375	60.1
Darien	21753	88	28.9	New Hartford	6685	35	37.4	Warren	1399	3	15.3
Deep River	4463	20	32.0	New Haven	130418	646	35.4	Washington	3434	9	18.7
Derby	12515	101	57.6	New London	26939	179	47.5	Waterbury	108093	1281	84.6
Durham	7195	32	31.8	New Milford	26974	158	41.8	Waterford	18887	88	33.3
East Granby	5147	14	19.4	Newington	30112	178	42.2	Watertown	21641	182	60.1
East Haddam	8988	57	45.3	Newtown	27774	121	31.1	West Hartford	62939	219	24.9
East Hampton	12854	45	25.0	Norfolk	1640	0	0.0	West Haven	54879	270	35.1
East Hartford	49998	365	52.1	North Branford	14158	51	25.7	Westbrook	6914	33	34.1
East Haven	28699	176	43.8	North Canaan	3254	9	19.8	Weston	10247	41	28.6
East Lyme	18645	65	24.9	North Haven	23691	107	32.3	Westport	28115	127	32.3
East Windsor	11375	50	31.4	North Stonington	5243	10	13.6	Wethersfield	26082	164	44.9
Eastford	1790	2	8.0	Norwalk	89047	780	62.6	Willington	5887	26	31.5
Easton	7517	28	26.6	Norwich	39136	237	43.3	Wilton	18397	84	32.6
Ellington	16299	43	18.8	Old Lyme	7366	24	23.3	Winchester	10655	46	30.8
Enfield	44466	176	28.3	Old Saybrook	10087	30	21.2	Windham	24706	182	52.6
Essex	6674	17	18.2	Orange	13949	54	27.7	Windsor	28760	151	37.5
Fairfield	61952	312	36.0	Oxford	13226	64	34.6	Windsor Locks	12876	68	37.7
Farmington	25506	80	22.4	Plainfield	15173	85	40.0	Wolcott	16649	164	70.4
Franklin	1933	10	37.0	Plainville	17623	125	50.7	Woodbridge	8805	26	21.1
Glastonbury	34491	118	24.4	Plymouth	11645	73	44.8	Woodbury	9537	51	38.2
Goshen	2879	15	37.2	Pomfret	4204	7	11.9	Woodstock	7862	23	20.9
Granby	11375	27	17.0	Portland	9305	39	29.9				
Greenwich	62727	221	25.2	Preston	4638	8	12.3				

COVID-19 Molecular and Antigen Tests during November 08-21

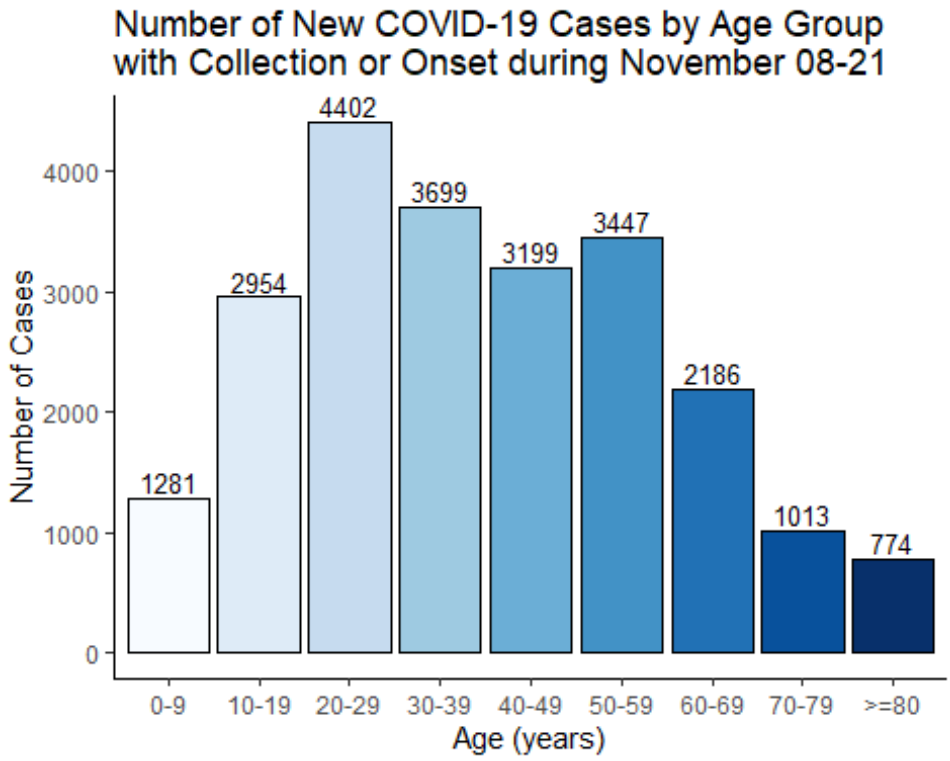
Among 431,172 molecular and antigen tests for COVID-19 with specimen collection date during November 08-21, 398,293 (92%) tests were conducted among people who did not reside in congregate settings (including nursing homes, assisted living, and correctional facilities). Of these 398,293 tests, 25,055 (6%) were positive. The map below shows the number of molecular and antigen COVID-19 tests by town with specimen collection date during November 08-21 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 08-21



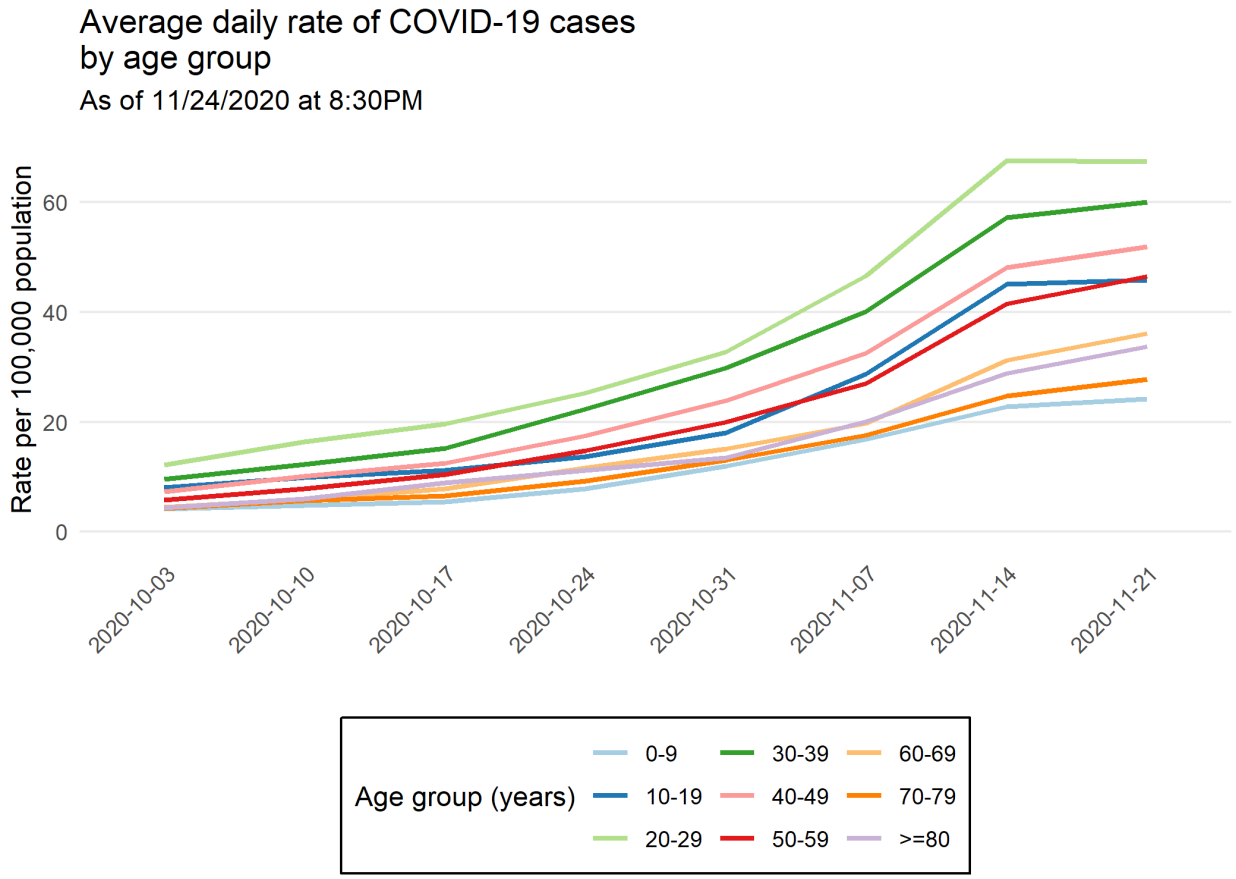
Map does not include tests pending address validation

Age Distribution of COVID-19 Cases with Specimen Collection or Onset During November 08-21, 2020



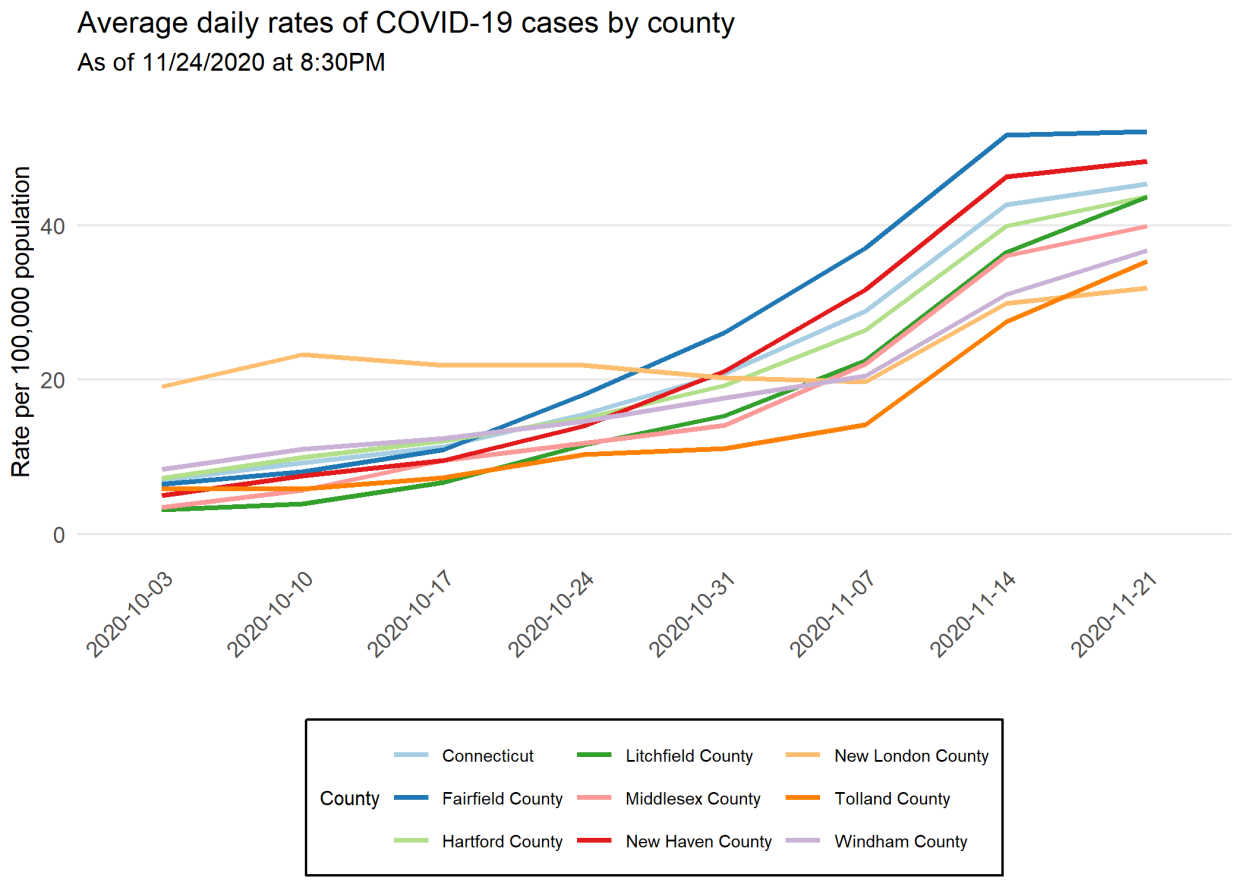
Average Daily Incidence by Age Group

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.



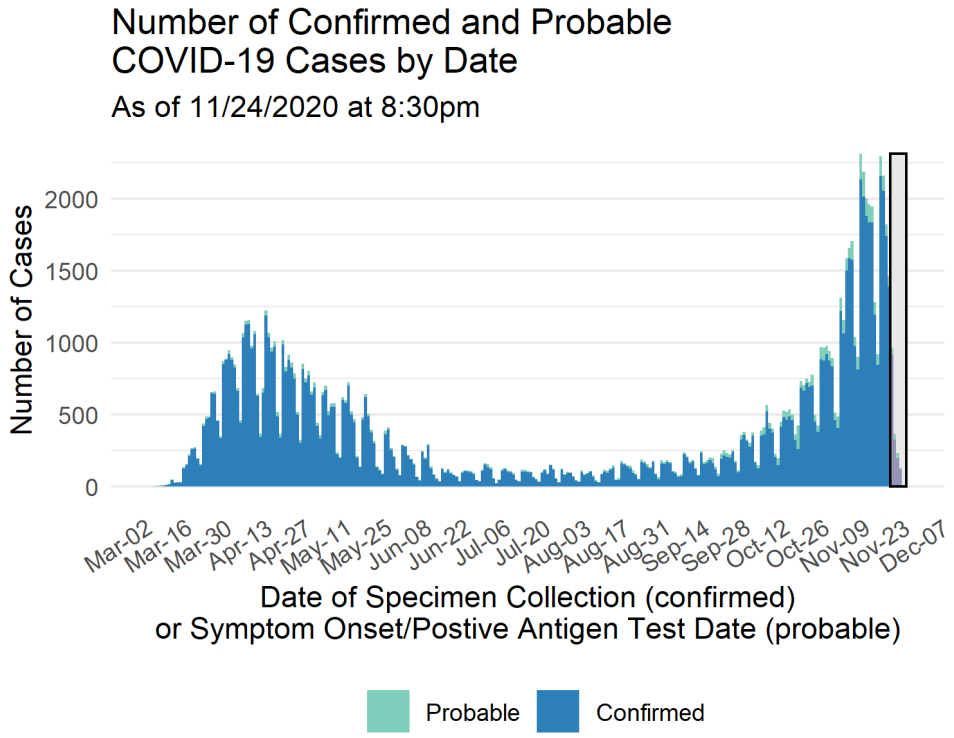
Average Daily Incidence by County

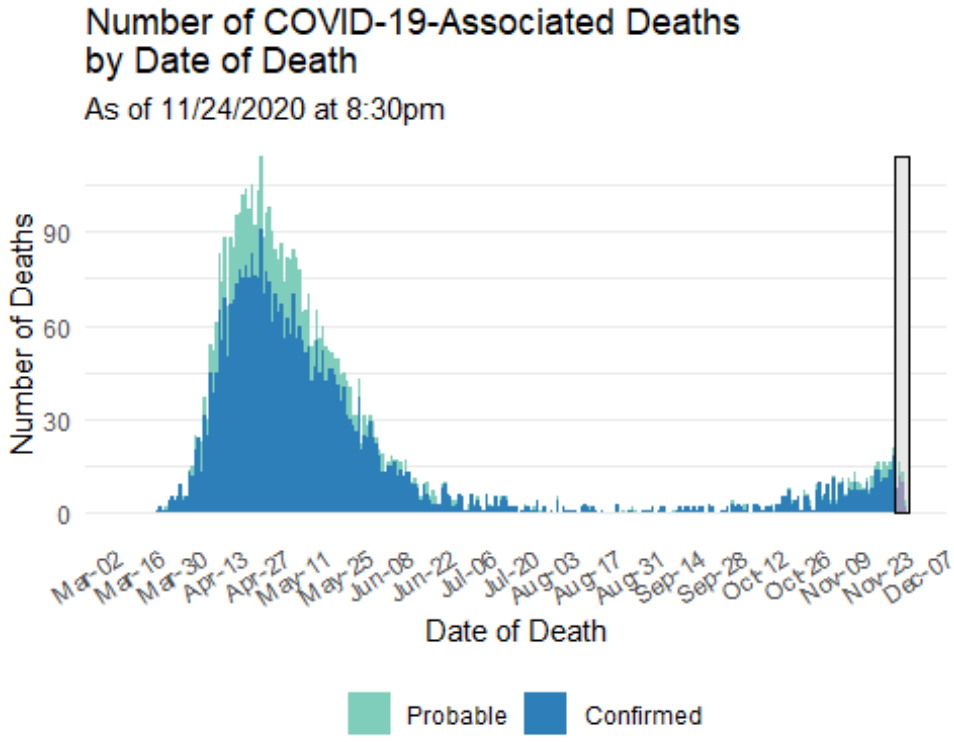
The chart below shows the average number of new COVID-19 cases per day per 100,000 population in the state of Connecticut and for each Connecticut county. The rates in this chart are calculated by averaging the number of new cases diagnosed each day during the previous two weeks, dividing by the annual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



Cumulative Number of COVID-19 Cases and COVID-19-Associated Deaths by 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.



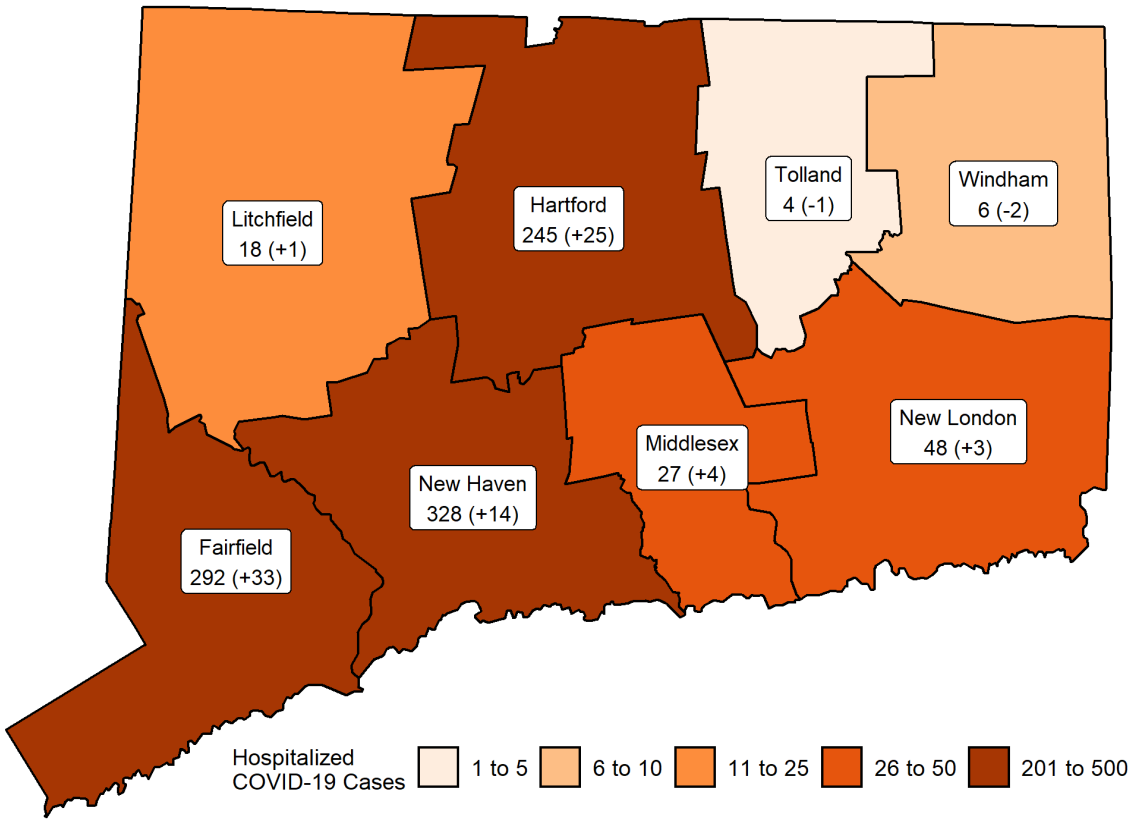


Hospitalization Surveillance

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

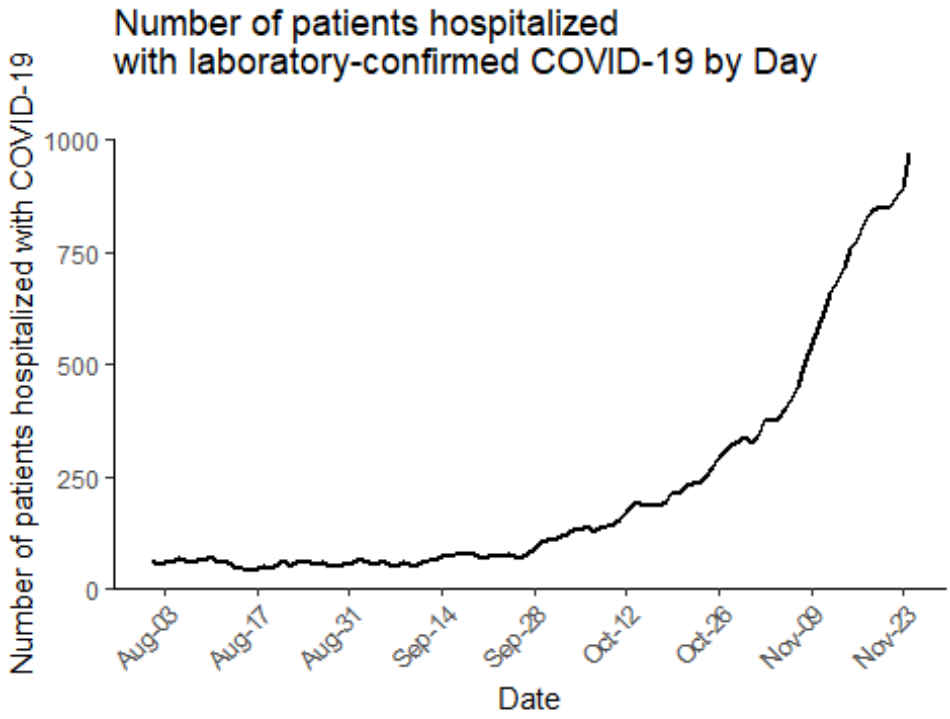
Distribution by location of hospital not patient residence. Data from the Connecticut Hospital Association.



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

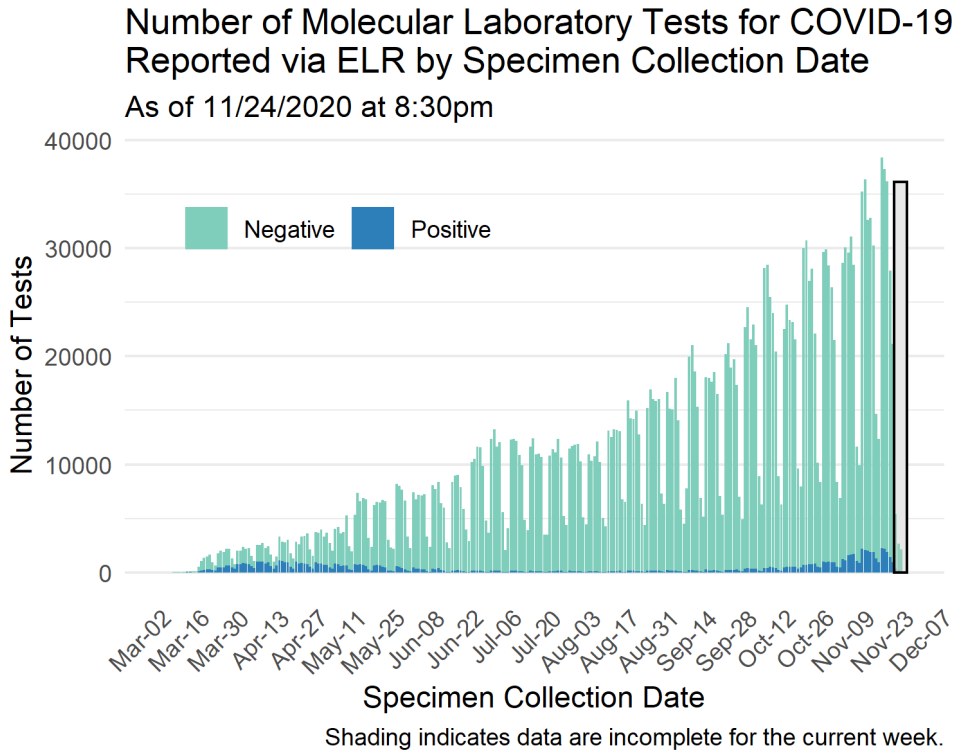


Laboratory Surveillance

Molecular Tests

To date, DPH has received reports on a total of 3,025,686 molecular COVID-19 laboratory tests; of these 2,702,387 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.



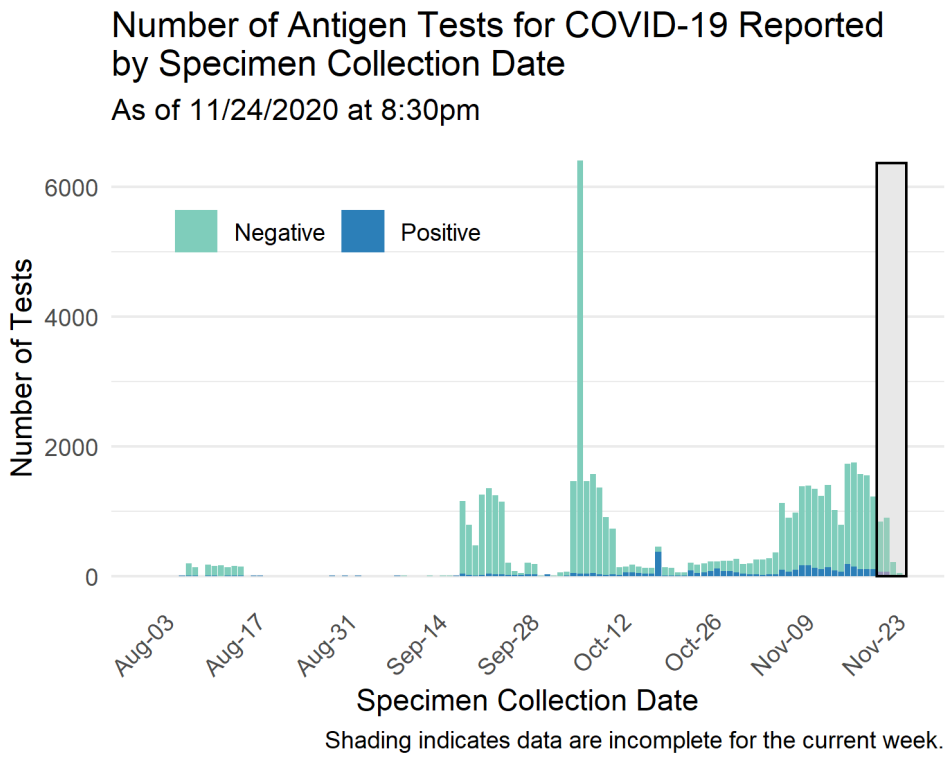
Testing of recently collected specimens is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.

ELR = Electronic Laboratory Reporting

Antigen Tests

To date, DPH has received reports on a total of 49,816 COVID-19 antigen laboratory tests. The chart below shows the number of antigen tests reported to DPH by specimen collection date and test result.

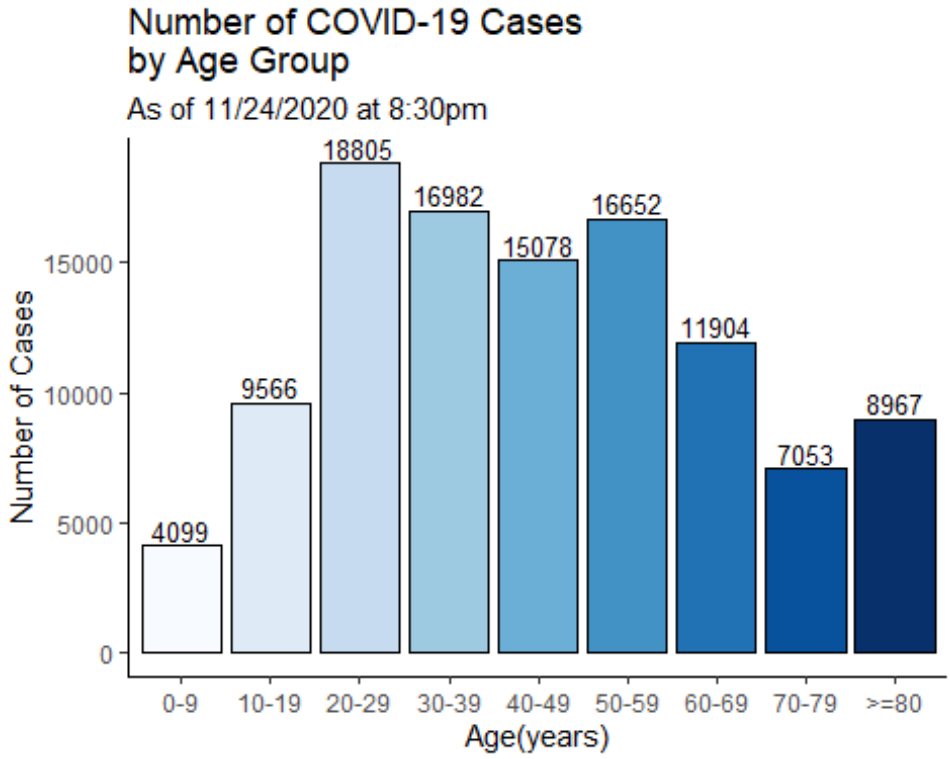
Test results may be reported several days after specimen collection. Data are incomplete for most recent dates shaded in grey. Data for previous dates are routinely updated.

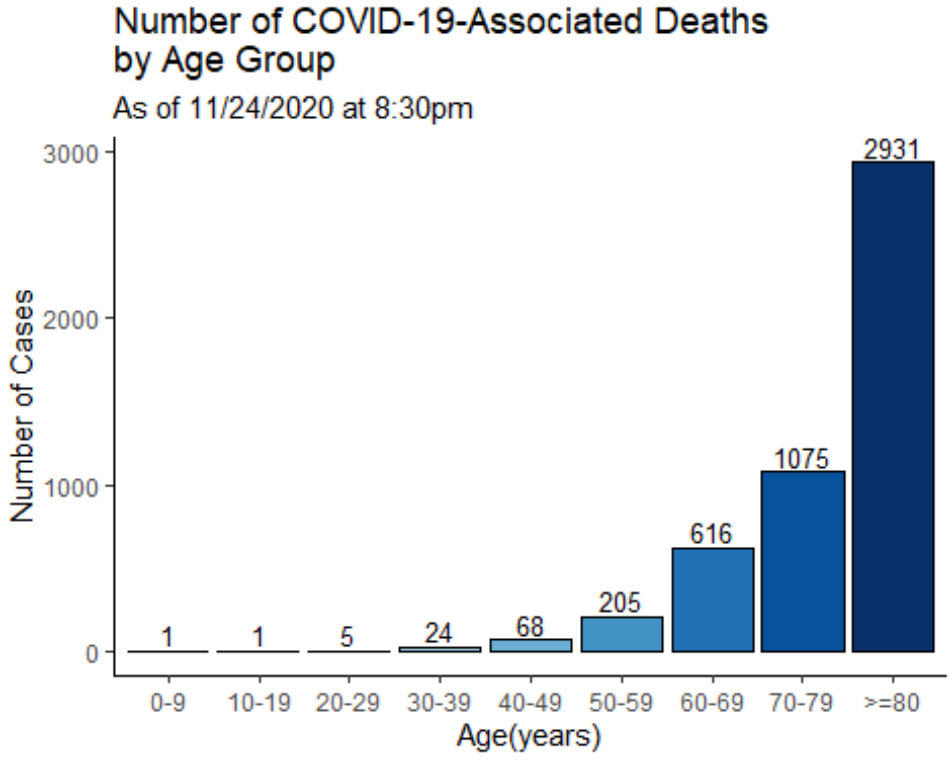


Testing of recently collected specimens is ongoing and does not reflect a decrease in testing.

Characteristics of COVID-19 Cases and Associated Deaths

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





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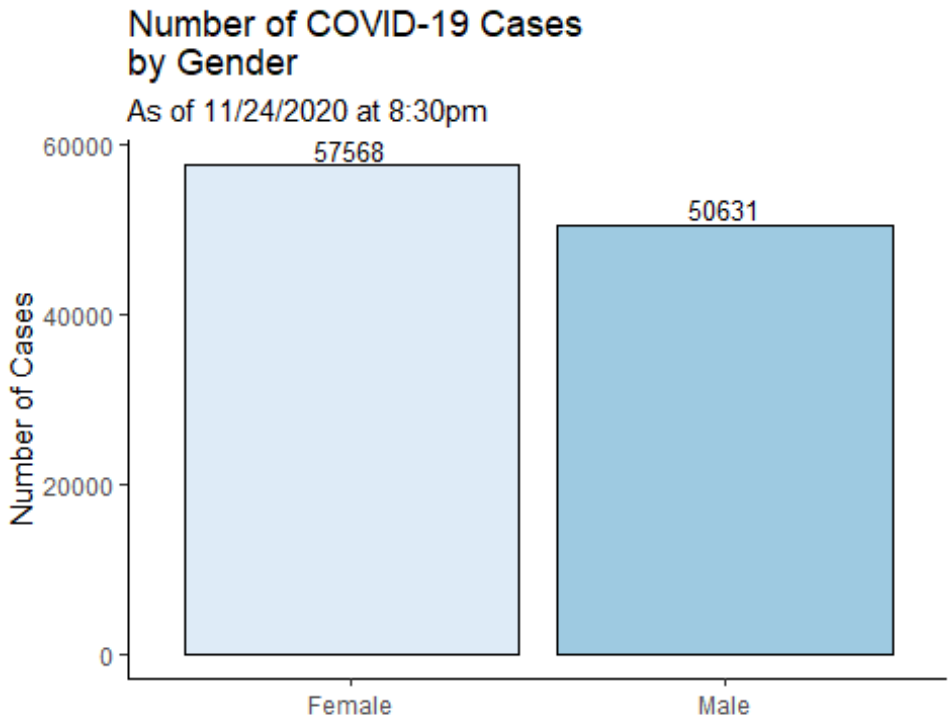
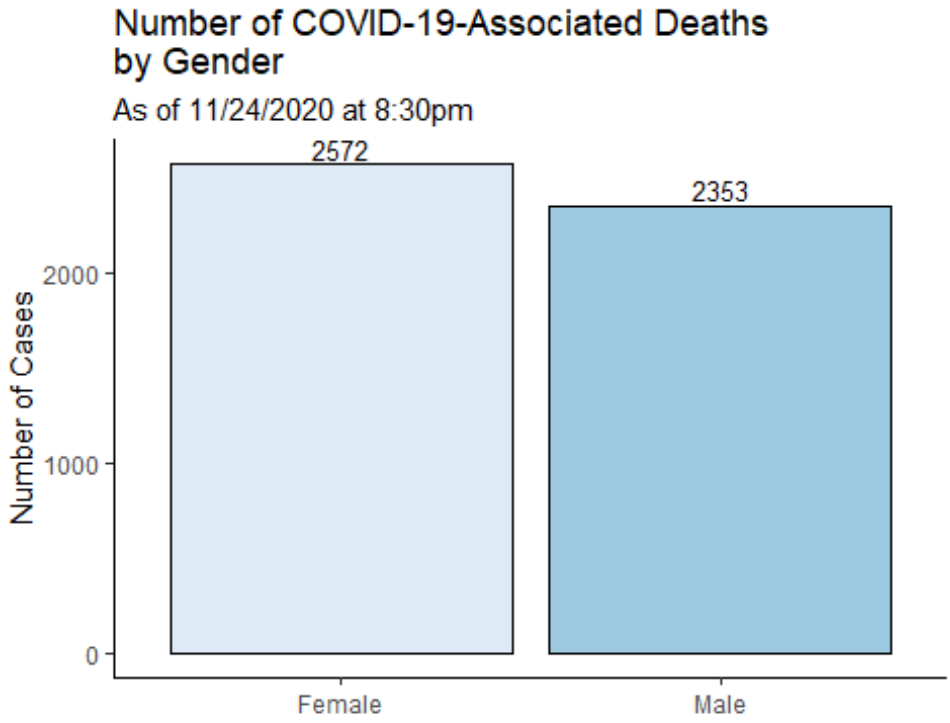
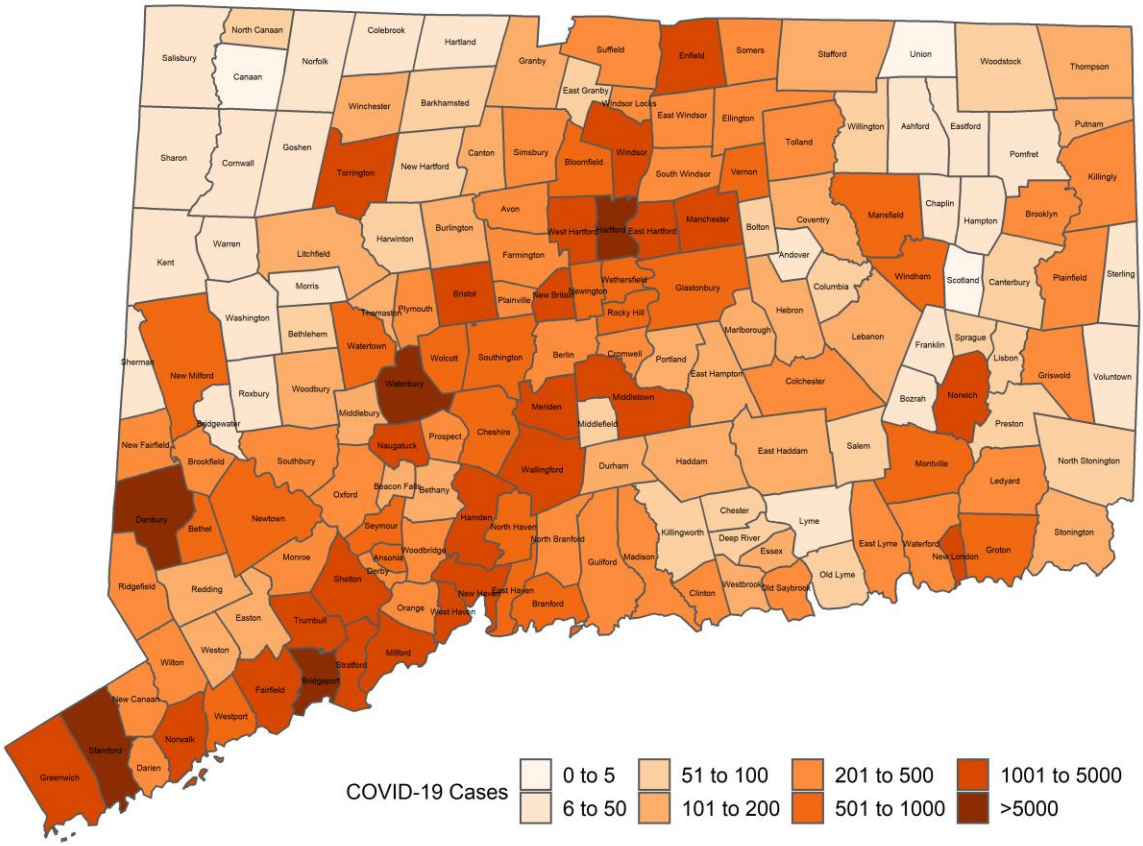




Cumulative Number of COVID-19 Cases by Town

Map does not include 495 cases pending address validation

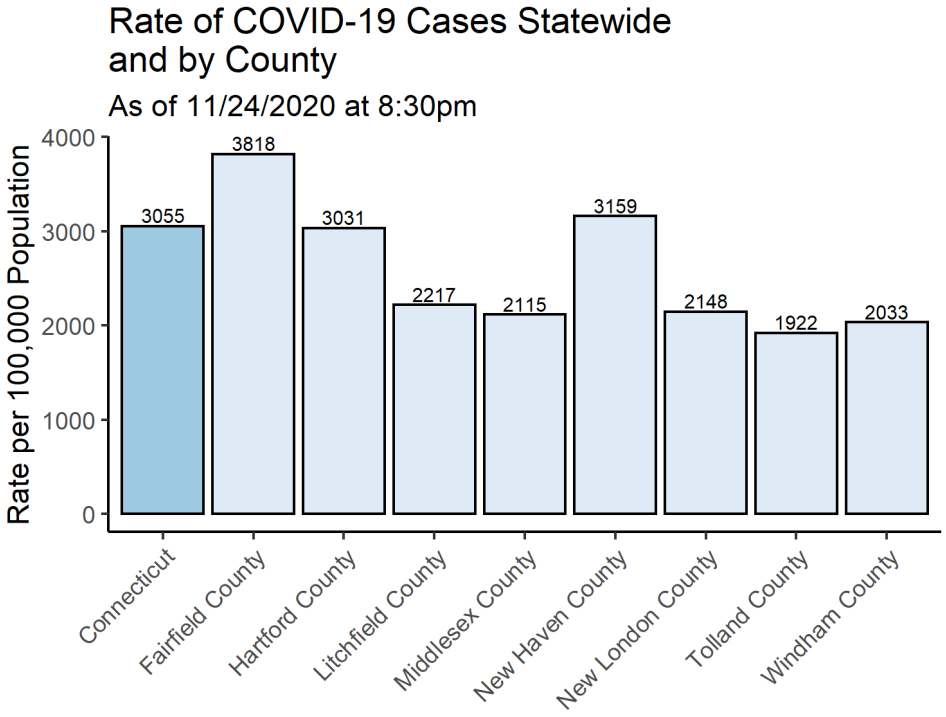


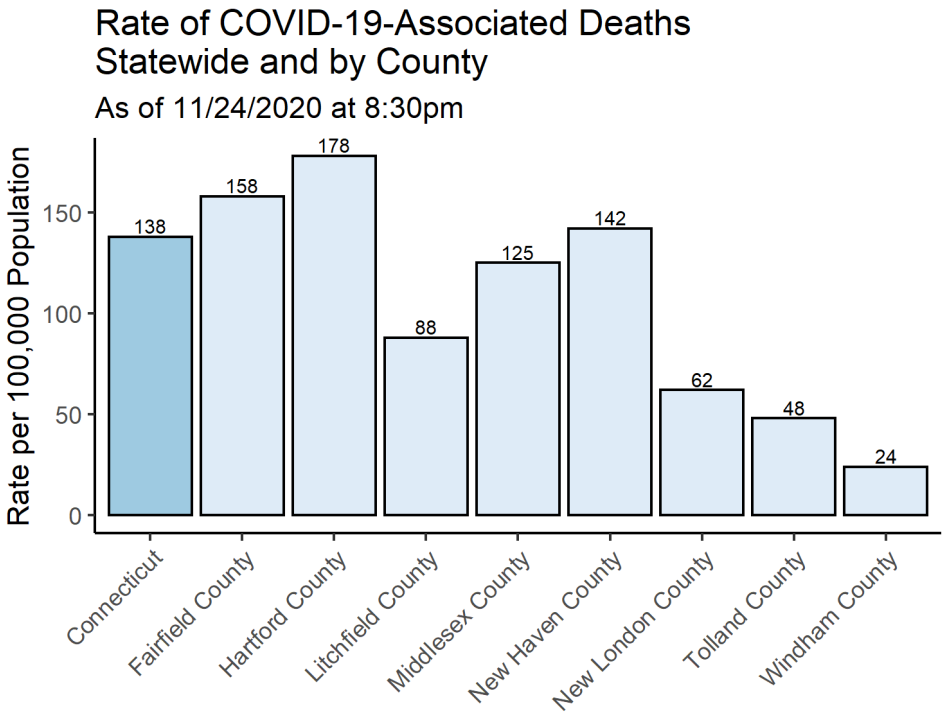
APPENDIX A. Cumulative Number of COVID-19 Cases by Town

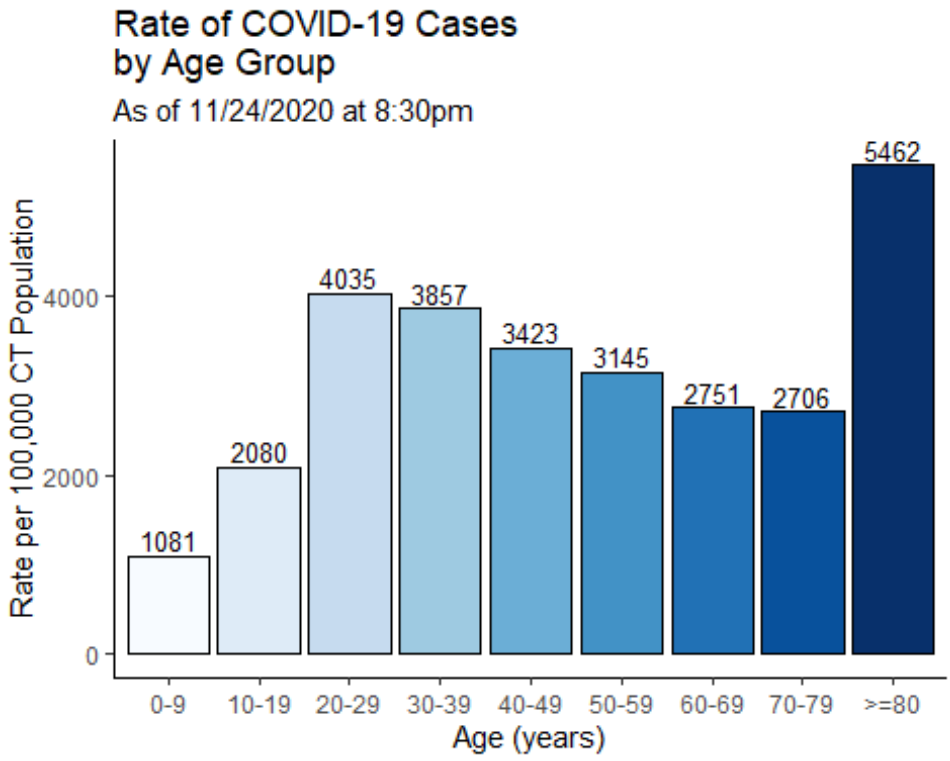
Table does not include 495 cases pending address validation

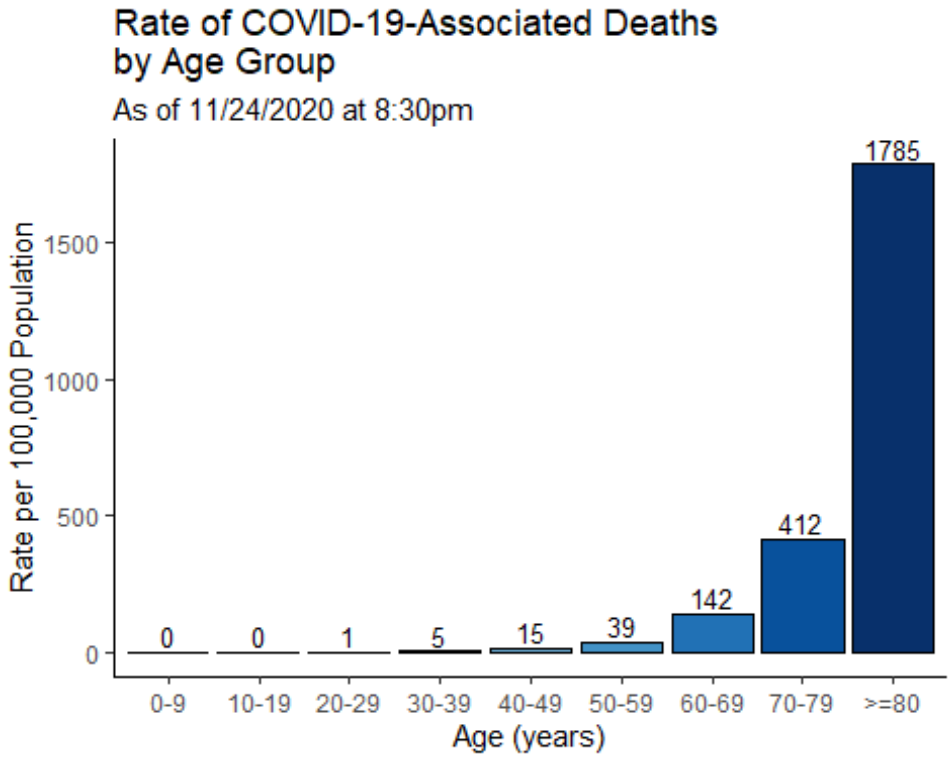
Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	32	1	Griswold	213	2	Prospect	241	20
Ansonia	601	48	Groton	662	30	Putnam	117	3
Ashford	41	3	Guilford	229	32	Redding	144	15
Avon	347	18	Haddam	127	4	Ridgefield	412	54
Barkhamsted	52	3	Hamden	1843	174	Rocky Hill	638	33
Beacon Falls	137	8	Hampton	26	0	Roxbury	24	5
Berlin	417	31	Hartford	5940	233	Salem	59	0
Bethany	97	8	Hartland	9	0	Salisbury	43	2
Bethel	533	74	Harwinton	64	9	Scotland	2	0
Bethlehem	47	6	Hebron	116	7	Seymour	516	35
Bloomfield	806	47	Kent	34	9	Sharon	29	0
Bolton	56	5	Killingly	309	10	Shelton	1166	116
Bozrah	38	0	Killingworth	68	2	Sherman	30	14
Branford	555	74	Lebanon	97	5	Simsbury	267	32
Bridgeport	7294	466	Ledyard	217	4	Somers	377	44
Bridgewater	19	5	Lisbon	59	1	South Windsor	421	26
Bristol	1533	86	Litchfield	115	7	Southbury	368	24
Brookfield	376	48	Lyme	20	2	Southington	896	82
Brooklyn	254	4	Madison	272	24	Sprague	56	1
Burlington	119	5	Manchester	1381	113	Stafford	180	14
Canaan	2	0	Mansfield	582	81	Stamford	5709	310
Canterbury	77	1	Marlborough	153	10	Sterling	47	0
Canton	158	11	Meriden	2280	127	Stonington	170	10
Chaplin	28	2	Middlebury	156	16	Stratford	1499	157
Cheshire	565	34	Middlefield	73	7	Suffield	338	33
Chester	83	1	Middletown	1337	69	Thomaston	174	14
Clinton	219	8	Milford	1098	142	Thompson	100	3
Colchester	277	12	Monroe	358	31	Tolland	218	21
Colebrook	9	1	Montville	510	12	Torrington	1146	54
Columbia	57	1	Morris	26	0	Trumbull	956	117
Cornwall	14	0	Naugatuck	960	67	Union	4	1
Coventry	171	7	New Britain	2989	186	Vernon	566	54
Cromwell	330	23	New Canaan	398	31	Voluntown	36	0
Danbury	4670	503	New Fairfield	251	24	Wallingford	1313	90
Darien	413	37	New Hartford	94	3	Warren	8	2
Deep River	60	6	New Haven	4239	382	Washington	48	2
Derby	375	20	New London	992	22	Waterbury	4844	352
Durham	128	17	New Milford	575	94	Waterford	432	16
East Granby	52	2	Newington	862	44	Watertown	534	52
East Haddam	106	4	Newtown	500	55	West Hartford	1456	135
East Hampton	158	13	Norfolk	17	1	West Haven	1674	165
East Hartford	2002	90	North Branford	211	35	Westbrook	105	6
East Haven	683	137	North Canaan	71	4	Weston	165	20
East Lyme	334	21	North Haven	536	70	Westport	605	58
East Windsor	347	23	North Stonington	50	3	Wethersfield	610	30
Eastford	17	1	Norwalk	4105	294	Willington	70	5
Easton	100	9	Norwich	1156	15	Wilton	398	49
Ellington	212	19	Old Lyme	74	0	Winchester	141	4
Enfield	1045	49	Old Saybrook	201	7	Windham	901	11
Essex	103	6	Orange	240	36	Windsor	967	59
Fairfield	1666	276	Oxford	200	17	Windsor Locks	271	12
Farmington	430	38	Plainfield	290	5	Wolcott	465	39
Franklin	43	0	Plainville	427	30	Woodbridge	192	26
Glastonbury	560	46	Plymouth	213	22	Woodbury	161	10
Goshen	43	3	Pomfret	44	0	Woodstock	81	2
Granby	110	6	Portland	159	11			
Greenwich	1409	122	Preston	78	2			

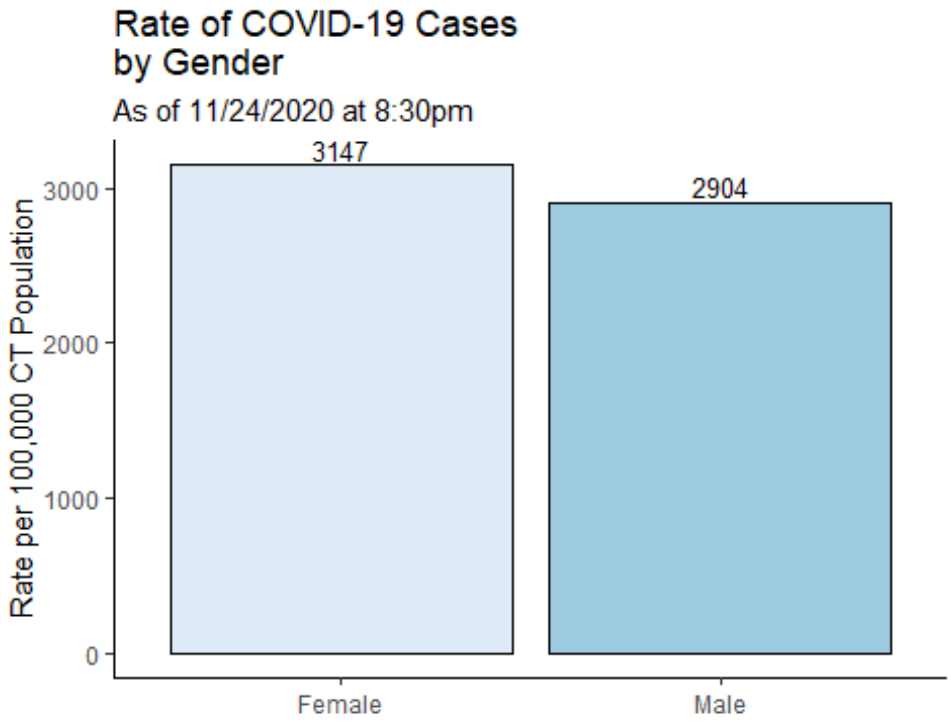
APPENDIX B. The following graphs show the number of cases per 100,000 Connecticut residents statewide and by county, age group, and gender. Population estimate from: [DPH Population Statistics]

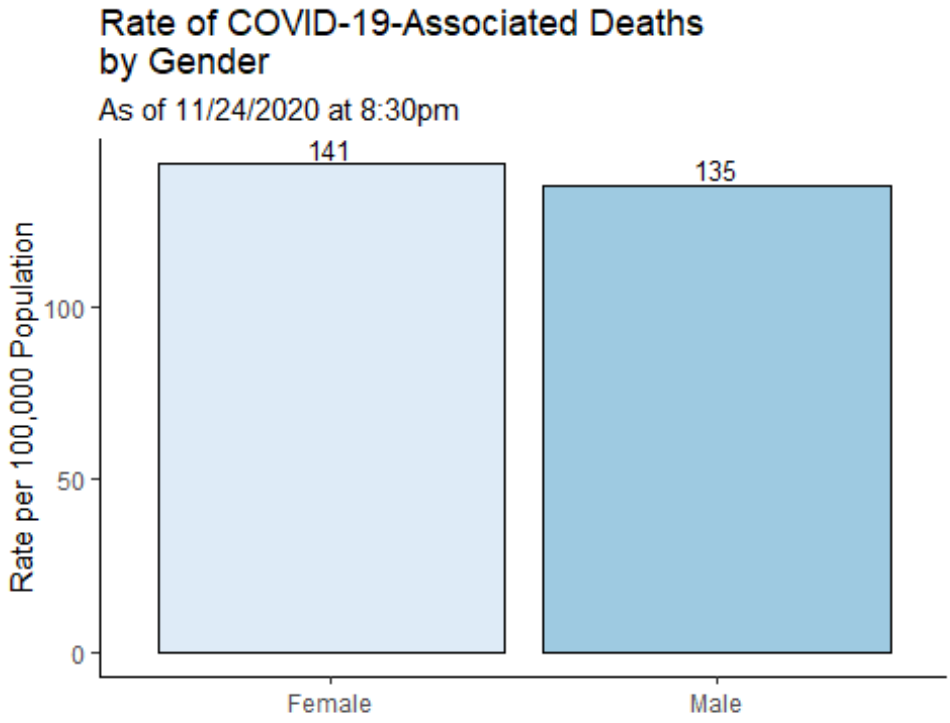




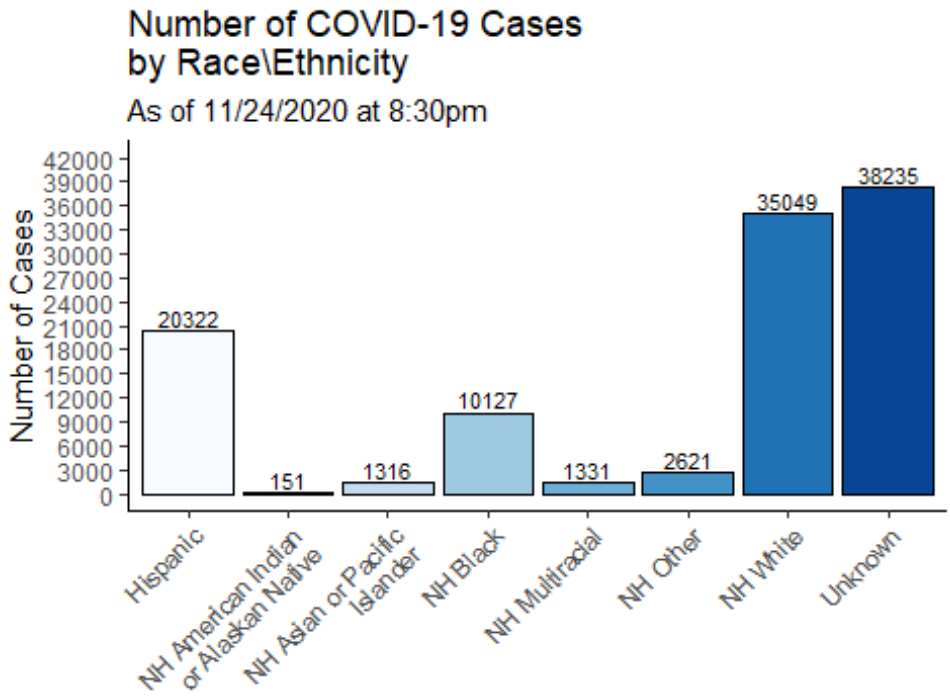

Rate of COVID-19 Cases
by Age Group
As of 11/24/2020 at 8:30pm
Rate per 100,000 CT Population
0
2000
4000
1081
2080
4035
3857
3423
3145
2751
2706
5462
0-9
10-19
20-29
30-39
40-49
50-59
60-69
70-79
>=80
Age (years)

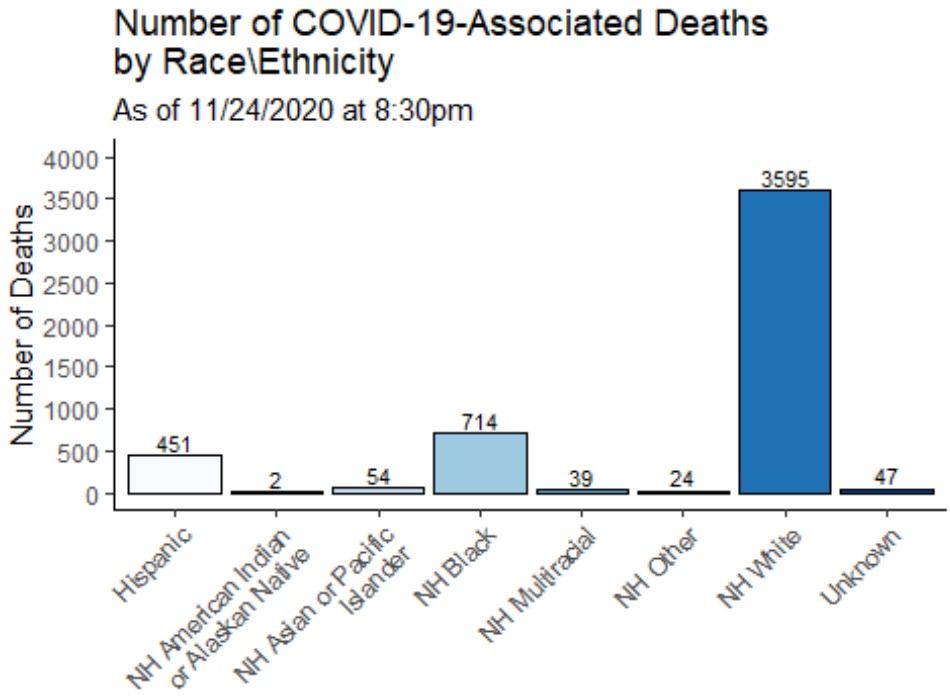

Rate of COVID-19-Associated Deaths
by Age Group
As of 11/24/2020 at 8:30pm
Rate per 100,000 Population
0
500
1000
1500
0
0
1
5
15
39
142
412
1785
0-9
10-19
20-29
30-39
40-49
50-59
60-69
70-79
>=80
Age (years)


Rate of COVID-19 Cases
by Gender
As of 11/24/2020 at 8:30pm
Rate per 100,000 CT Population
3000
2000
1000
0
3147
2904
Female
Male


Rate of COVID-19-Associated Deaths
by Gender
As of 11/24/2020 at 8:30pm
Rate per 100,000 Population
100
50
0
141
135
Female
Male

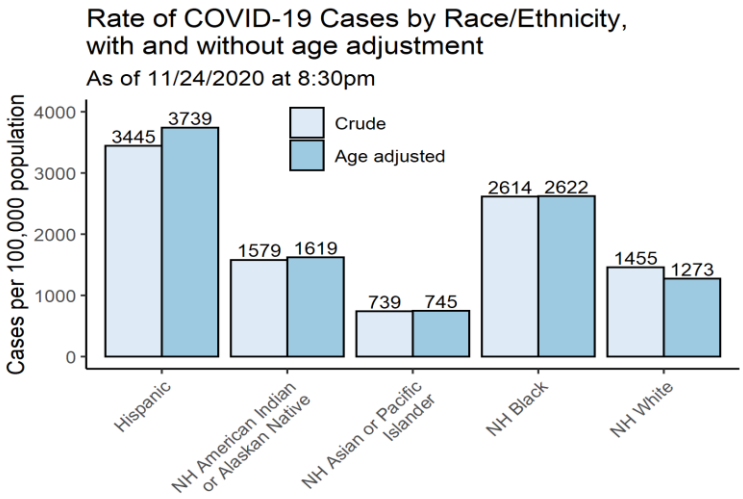
APPENDIX C. The following graphs show the number of cases and deaths by race and ethnicity. *Categories are mutually exclusive. The category "multiracial" includes people who answered 'yes' to more than one race category. NH=Non-Hispanic*

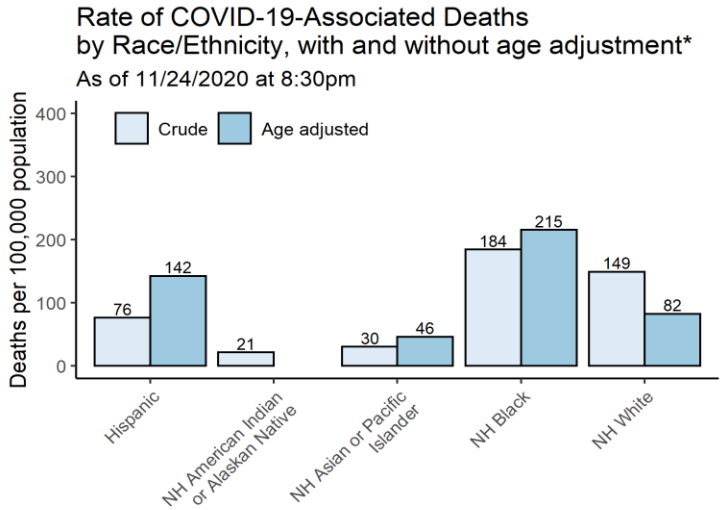




The following graphs show the number of COVID-19 cases and COVID-19-associated deaths per 100,000 population by race and ethnicity. Crude rates represent the total cases or deaths per 100,000 people. Age-adjusted rates consider the age of the person at diagnosis or death when estimating the rate and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