COVID-19 Update July 16, 2020

As of **July 15, 2020, at 8:30 PM**, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is **47750**, including **45771** laboratory-confirmed and **1979** probable cases. **Sixty-six** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **4389** 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	47750	+114
COVID-19-Associated Deaths	4389	+9
Patients Currently Hospitalized with COVID-19	66	-1
COVID-19 PCR Tests Reported	613569	+11453

***Includes confirmed plus probable cases*

COVID-19 Cases and Associated Deaths by County of Residence
As of 07/15/20 8:30pm.

County	COVID-19 Cases		COVID-19-Associated Deaths	
	Confirmed	Probable	Confirmed	Probable
Fairfield County	16385	642	1083	308
Hartford County	11337	679	1086	316
Litchfield County	1456	64	117	21
Middlesex County	1292	59	151	38
New Haven County	12296	390	938	150
New London County	1286	59	76	26
Tolland County	869	68	51	14
Windham County	635	7	13	1
Pending address validation	*215*	*11*	*0*	*0*
Total	**45771**	**1979**	**3515**	**874**

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.

All data are preliminary and subject to change. Updated 7/16/2020.

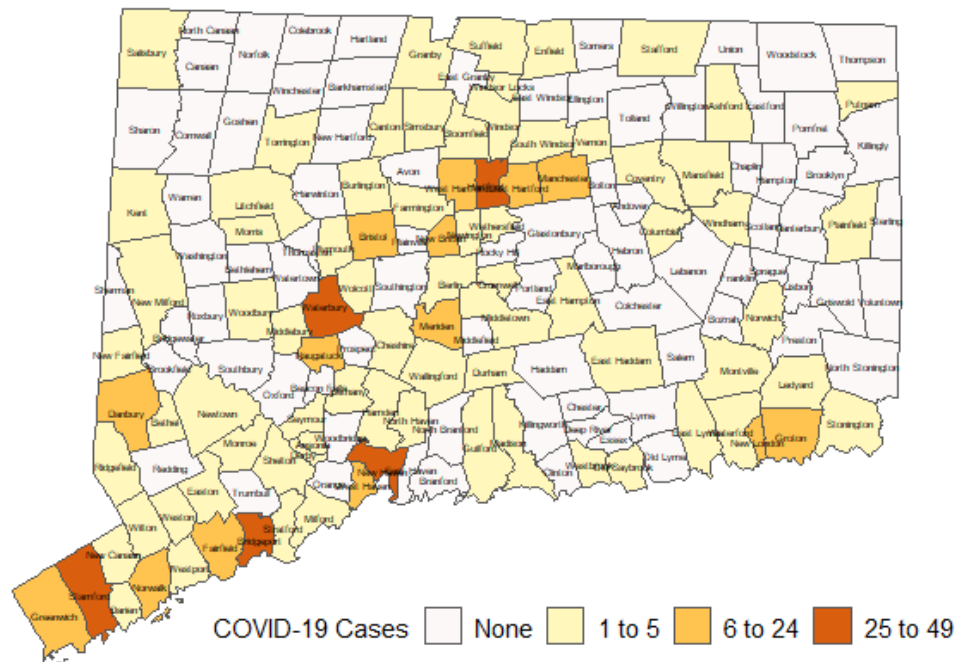## COVID-19 Cases and Deaths Over Time

New Cases during July 5-11th, 2020

Among 61,009 PCR tests for COVID-19 with specimen collection date during July 5–11th, 675 test results were positive. There were 489 people who tested positive for the first time or had onset of symptoms in the past 7 days. Of these 489 people, 456 (93%) cases were among people who reside in community settings and 33 (7%) were among people who reside in congregate settings, including nursing homes, assisted living facilities, or correctional facilities.

The maps below show the distribution of the 456 cases among people living in community settings. The first map shows the number of cases and darker colors indicate towns with more cases.
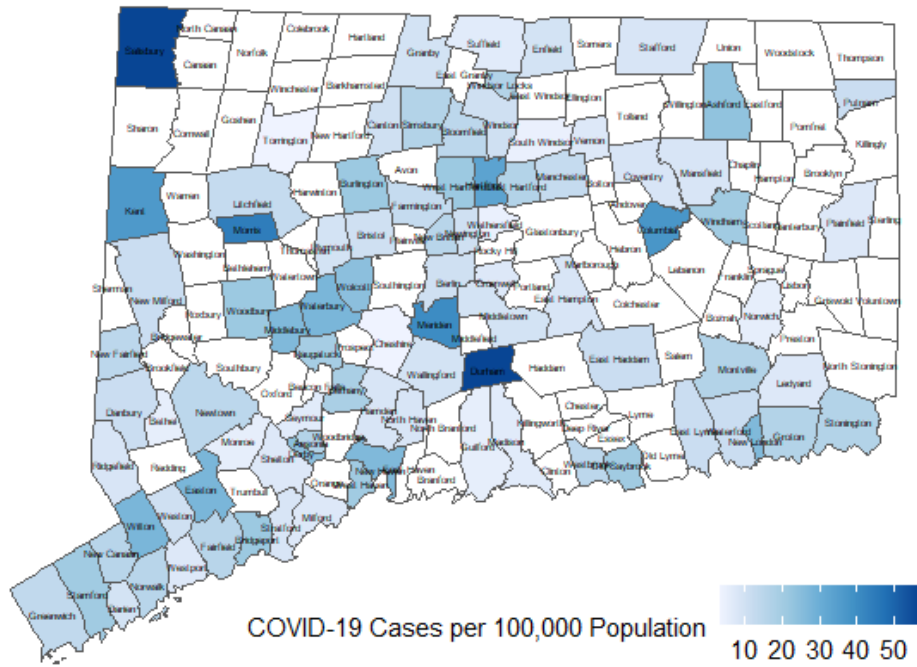
Because towns with larger populations are likely to have more cases, it is also important to look at the number of new cases per 100,000 population. The second map below shows the number of new cases per 100,000 population, with darker colors indicating higher rates.

Number of COVID-19 Cases among Persons Living in Community Settings by Town with Specimen Collection or Onset Date During July 5-11

Map does not include 7 cases pending address validation

All data are preliminary and subject to change. Updated 7/16/2020.

Rate of COVID-19 Cases among Persons Living in Community Settings per 100,000 Population by Town with Specimen Collection or Onset Date During July 5-11

Map does not include 7 cases pending address validation

Population, Number and Rate of COVID-19 Cases among Persons Living in Community Settings by Town with Specimen Collection or Onset Date during July 5-11, 2020
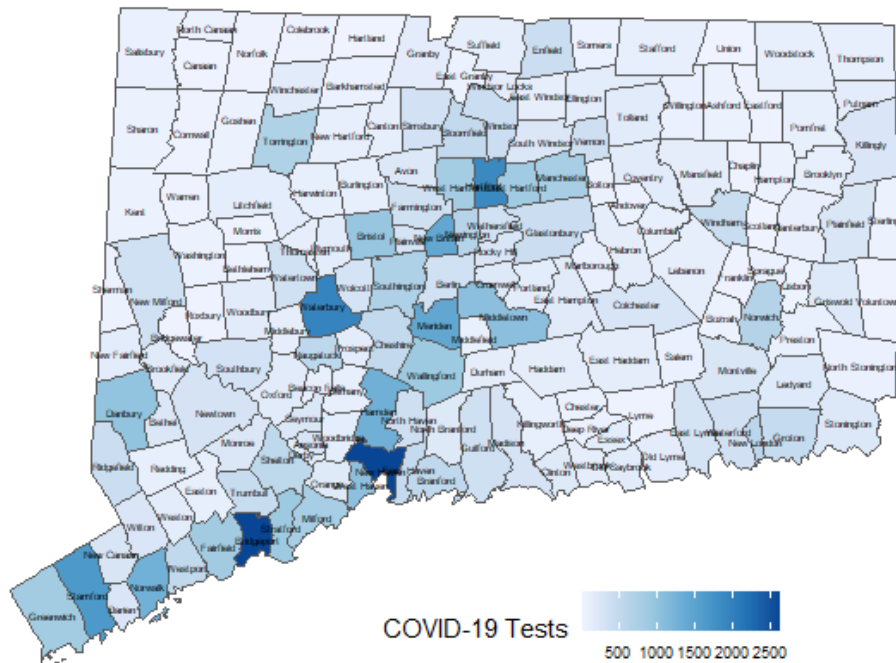
Table does not include 7 cases pending address validation. Rate is cases per 100,000 population.

Town	Pop	Cases	Rate	Town	Pop	Cases	Rate	Town	Pop	Cases	Rate
Andover	3231	0	0	Rocky Hill	20145	0	0	Litchfield	8127	< 5	12
Avon	18302	0	0	Roxbury	2160	0	0	Madison	18106	< 5	6
Barkhamsted	3624	0	0	Salem	4123	0	0	Manchester	57699	7	12
Beacon Falls	6182	0	0	Scotland	1685	0	0	Mansfield	25817	< 5	8
Bethlehem	3422	0	0	Sharon	2703	0	0	Meriden	59540	24	40
Bolton	4890	0	0	Sherman	3614	0	0	Middlebury	7731	< 5	26
Bozrah	2537	0	0	Somers	10834	0	0	Middletown	46146	< 5	9
Branford	28005	0	0	Southbury	19656	0	0	Milford	54661	< 5	7
Bridgewater	1641	0	0	Southington	43807	0	0	Monroe	19470	< 5	5
Brookfield	17002	0	0	Sprague	2889	0	0	Montville	18716	< 5	16
Brooklyn	8280	0	0	Sterling	3780	0	0	Morris	2262	< 5	44
Canaan	1055	0	0	Thomaston	7560	0	0	Naugatuck	31288	6	19
Canterbury	5100	0	0	Thompson	9395	0	0	New Britain	72453	11	15
Chaplin	2256	0	0	Tolland	14655	0	0	New Canaan	20213	< 5	15
Chester	4229	0	0	Trumbull	35802	0	0	New Fairfield	13877	< 5	14
Clinton	12950	0	0	Union	840	0	0	New Haven	130418	34	26
Colchester	15936	0	0	Voluntown	2535	0	0	New London	26939	7	26
Colebrook	1405	0	0	Warren	1399	0	0	New Milford	26974	< 5	11
Cornwall	1368	0	0	Washington	3434	0	0	Newington	30112	< 5	10
Deep River	4463	0	0	Watertown	21641	0	0	Newtown	27774	< 5	14
Eastford	1790	0	0	Willington	5887	0	0	North Haven	23691	< 5	8
East Granby	5147	0	0	Winchester	10655	0	0	Norwalk	89047	13	15
East Haven	28699	0	0	Woodbridge	8805	0	0	Norwich	39136	< 5	5
East Windsor	11375	0	0	Woodstock	7862	0	0	Old Saybrook	10087	< 5	20
Ellington	16299	0	0	Ansonia	18721	< 5	16	Plainfield	15173	< 5	7
Essex	6674	0	0	Ashford	4261	< 5	23	Plymouth	11645	< 5	9
Franklin	1933	0	0	Berlin	20432	< 5	10	Putnam	9395	< 5	11
Glastonbury	34491	0	0	Bethany	5479	< 5	18	Ridgefield	25008	< 5	8
Goshen	2879	0	0	Bethel	19714	< 5	5	Salisbury	3598	< 5	56
Griswold	11591	0	0	Bloomfield	21301	< 5	14	Seymour	16509	< 5	6
Haddam	8222	0	0	Bridgeport	144900	31	21	Shelton	41097	< 5	7
Hampton	1853	0	0	Bristol	60032	6	10	Simsbury	24979	< 5	16
Hartland	2120	0	0	Burlington	9665	< 5	21	South Windsor	26054	< 5	4
Harwinton	5430	0	0	Canton	10270	< 5	10	Stafford	11884	< 5	8
Hebron	9482	0	0	Cheshire	29179	< 5	3	Stamford	129775	26	20
Killingly	17287	0	0	Columbia	5385	< 5	37	Stonington	18449	< 5	16
Killingworth	6370	0	0	Coventry	12414	< 5	8	Stratford	51967	< 5	8
Lebanon	7207	0	0	Cromwell	13905	< 5	7	Suffield	15743	< 5	6
Lisbon	4248	0	0	Danbury	84730	9	11	Torrington	34228	< 5	3
Lyme	2338	0	0	Darien	21753	< 5	9	Vernon	29303	< 5	7
Marlborough	6358	0	0	Derby	12515	< 5	24	Wallingford	44535	< 5	9
Middlefield	4380	0	0	Durham	7195	< 5	56	Waterbury	108093	29	27
New Hartford	6685	0	0	East Haddam	8988	< 5	11	Waterford	18887	< 5	11
Norfolk	1640	0	0	East Hampton	12854	< 5	8	West Hartford	62939	13	21
North Branford	14158	0	0	East Hartford	49998	8	16	West Haven	54879	11	20
North Canaan	3254	0	0	East Lyme	18645	< 5	11	Westbrook	6914	< 5	14
North Stonington	5243	0	0	Easton	7517	< 5	27	Weston	10247	< 5	10
Old Lyme	7366	0	0	Enfield	44466	< 5	9	Westport	28115	< 5	7
Orange	13949	0	0	Fairfield	61952	9	15	Wethersfield	26082	< 5	4
Oxford	13226	0	0	Farmington	25506	< 5	12	Wilton	18397	5	27
Plainville	17623	0	0	Granby	11375	< 5	9	Windham	24706	5	20
Pomfret	4204	0	0	Greenwich	62727	8	13	Windsor	28760	< 5	10
Portland	9305	0	0	Groton	38692	6	16	Windsor Locks	12876	< 5	16
Preston	4638	0	0	Guilford	22216	< 5	5	Wolcott	16649	< 5	24
Prospect	9790	0	0	Hamden	60940	5	8	Woodbury	9537	< 5	21
Redding	9125	0	0	Hartford	122587	41	33				
				Kent	2785	< 5	36				
				Ledyard	14736	< 5	7				

COVID-19 PCR Tests during July 5–11, 2020

Among 61,009 PCR tests for COVID-19 with specimen collection date during July 5–11th, 55,869 (92%) tests were conducted among people who did not reside in congregate settings (including nursing homes, assisted living, and correctional facilities). Of these 55,869 tests, 614 (1%) were positive. The map below shows the number of PCR COVID-19 tests by town with specimen collection date during July 5–11th that were conducted among community residents.
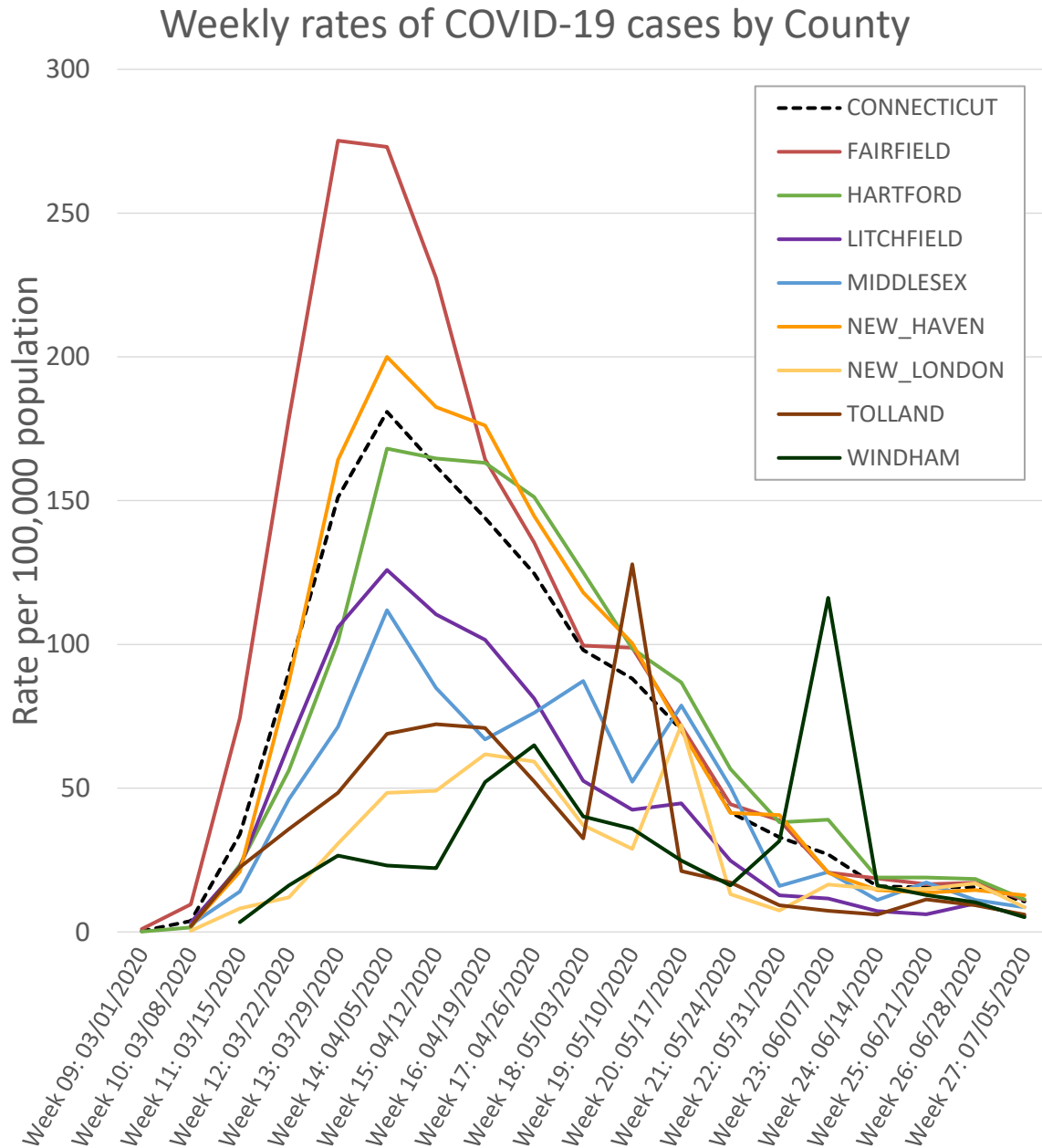

Number of PCR Tests for COVID-19 among Persons Living in Community Settings by Town with Specimen Collection Date During July 5-11

Map does not include 2642 cases pending address validation.

All data are preliminary and subject to change. Updated 7/16/2020.

Weekly Incidence by County

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

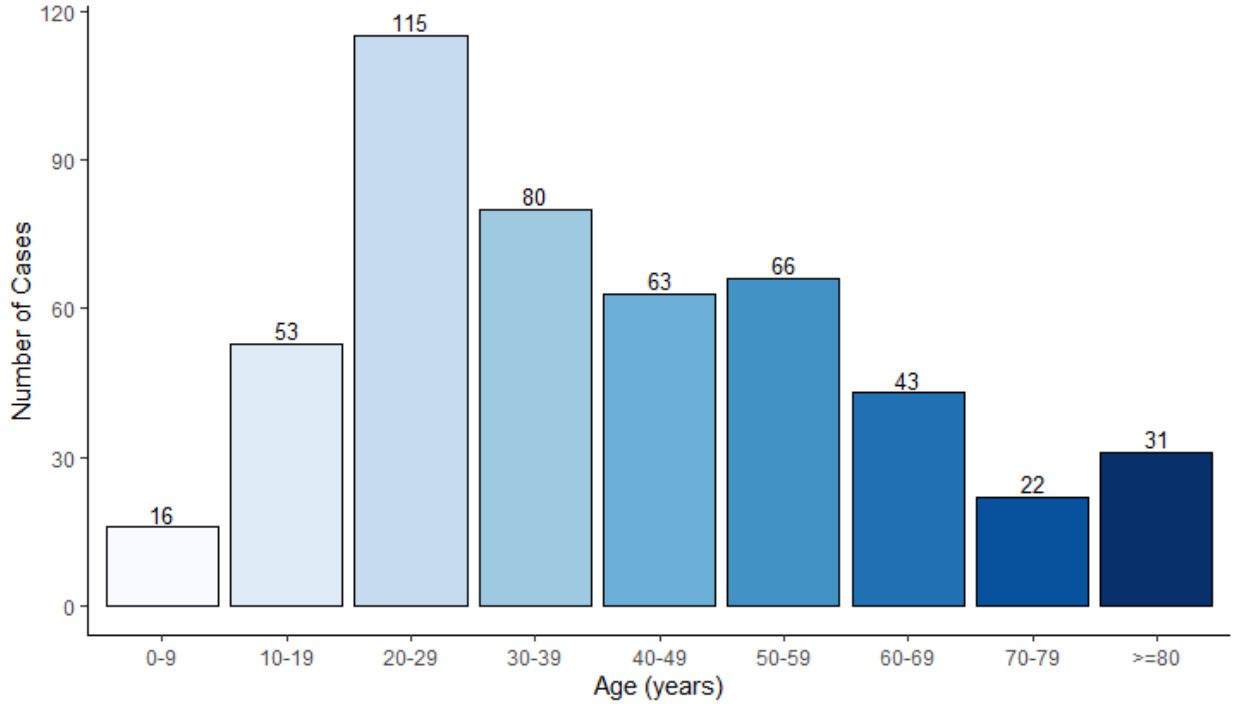Weekly rates of COVID-19 cases by County

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

All data are preliminary and subject to change. Updated 7/16/2020.

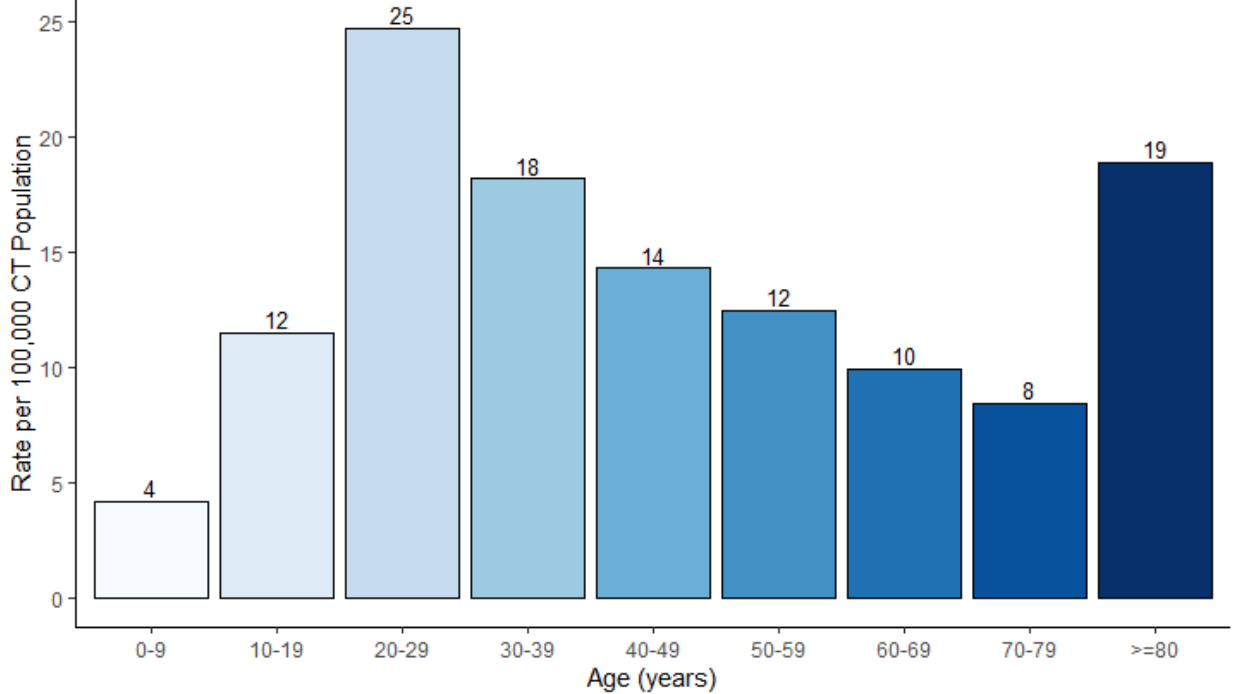**Age Distribution of COVID-19 Cases with Specimen Collection or Onset During July 5-11, 2020**

Number of New COVID-19 Cases by Age Group
with Collection or Onset during July 5-11
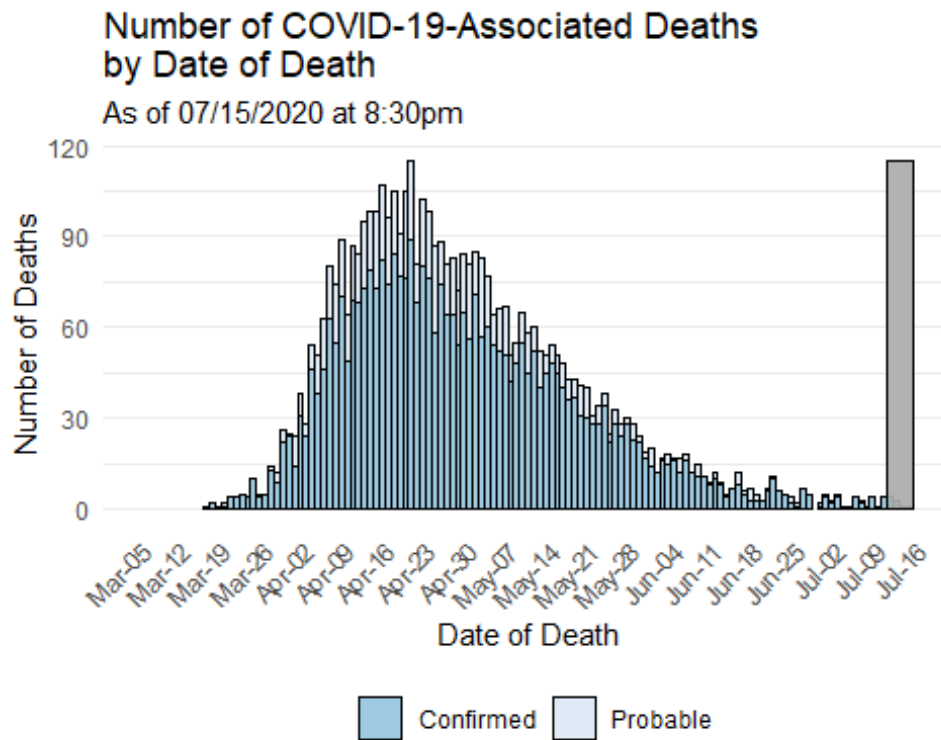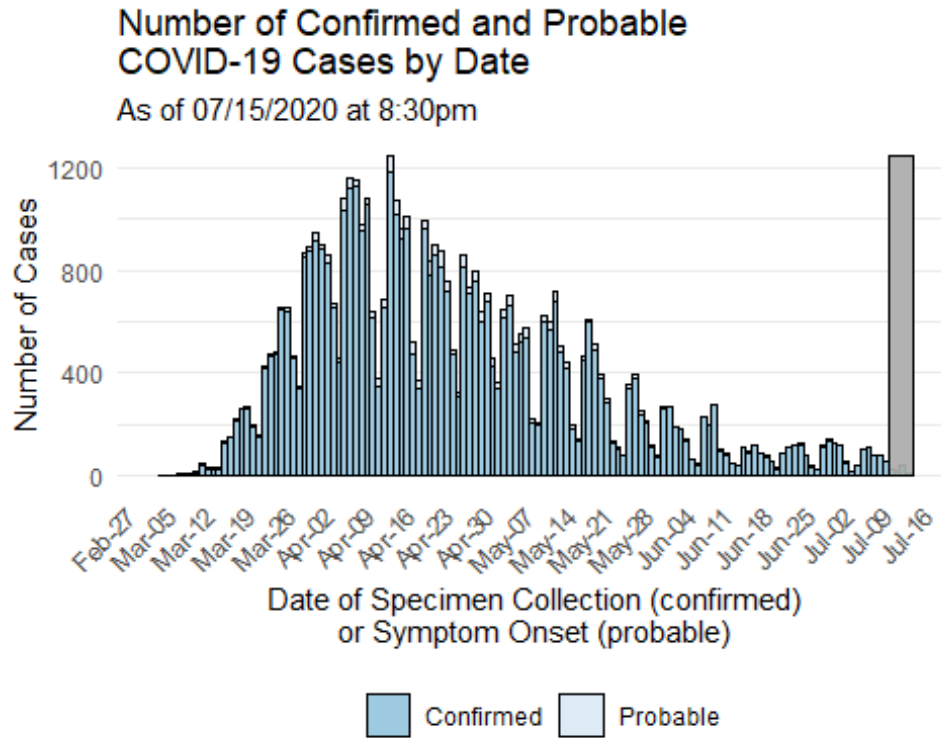
As of 07/15/2020 at 8:30pm

Rate of COVID-19 Cases by Age Group
with Collection or Onset during July 5-11

As of 07/15/2020 at 8:30pm

All data are preliminary and subject to change. Updated 7/16/2020.

Cumulative COVID-19 Cases and COVID-19-Associated Deaths by Date

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

Number of Confirmed and Probable COVID-19 Cases by Date

As of 07/15/2020 at 8:30pm

Date of Specimen Collection (confirmed) or Symptom Onset (probable)

Confirmed   Probable

Number of COVID-19-Associated Deaths by Date of Death

As of 07/15/2020 at 8:30pm

Date of Death

Confirmed   Probable

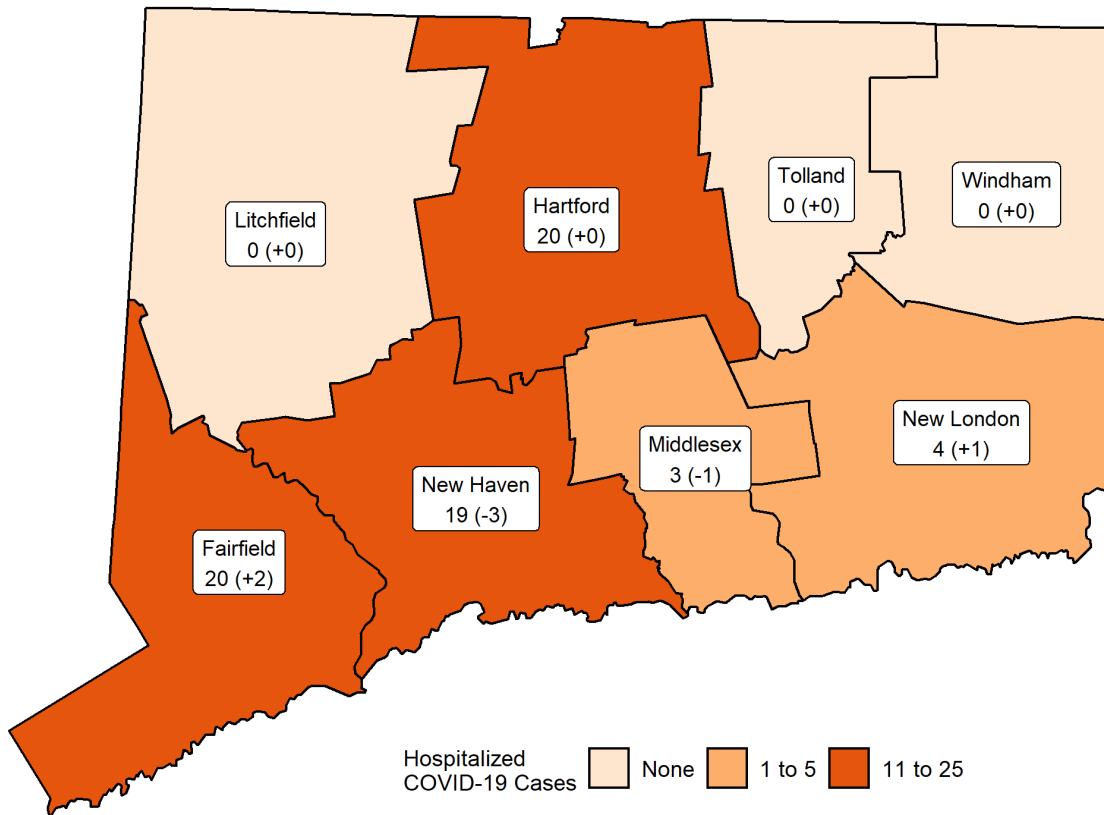All data are preliminary and subject to change. Updated 7/16/2020.

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.

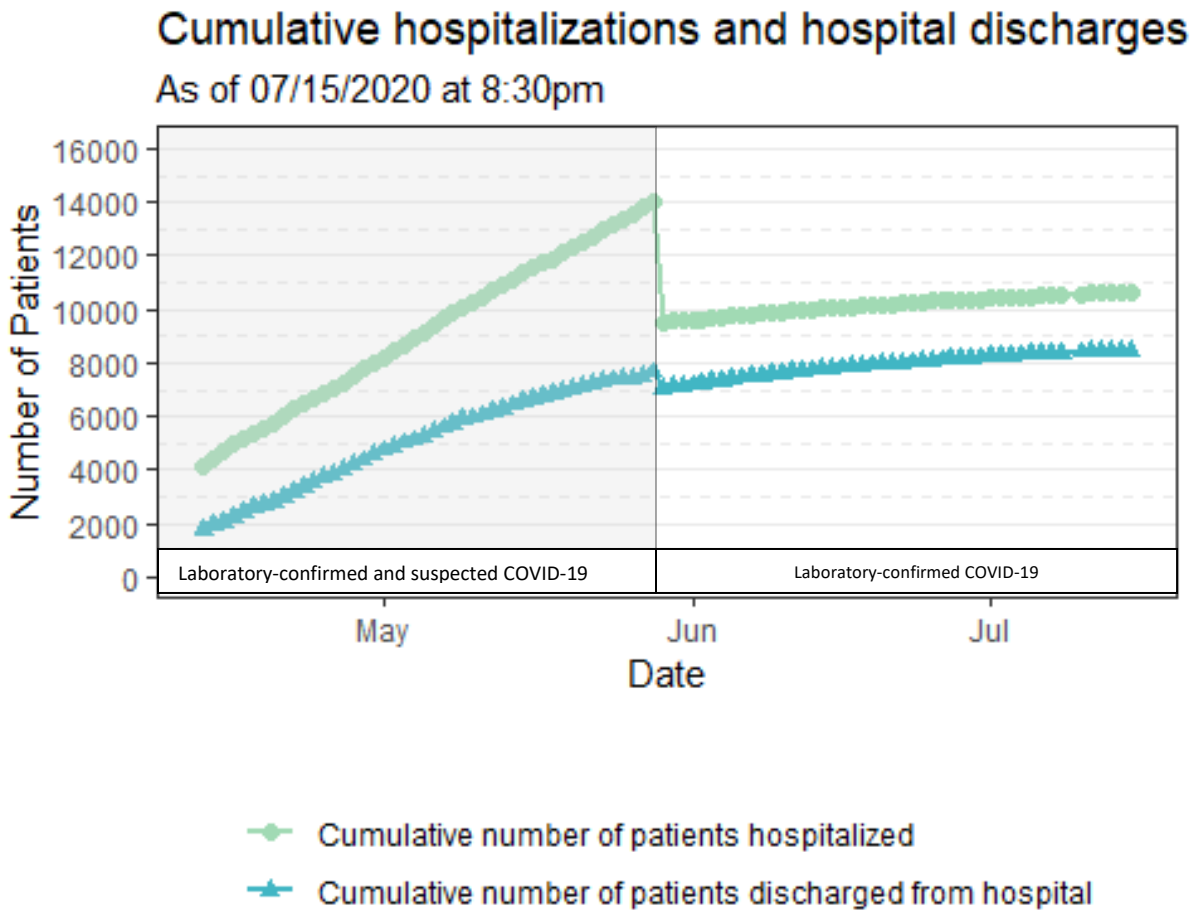**Patients Currently Hospitalized by Connecticut County**
Distribution by location of hospital not patient residence. Data from the Connecticut Hospital Association.

More information about hospitalized cases of COVID-19 in New Haven and Middlesex Counties is available from COVID-NET.
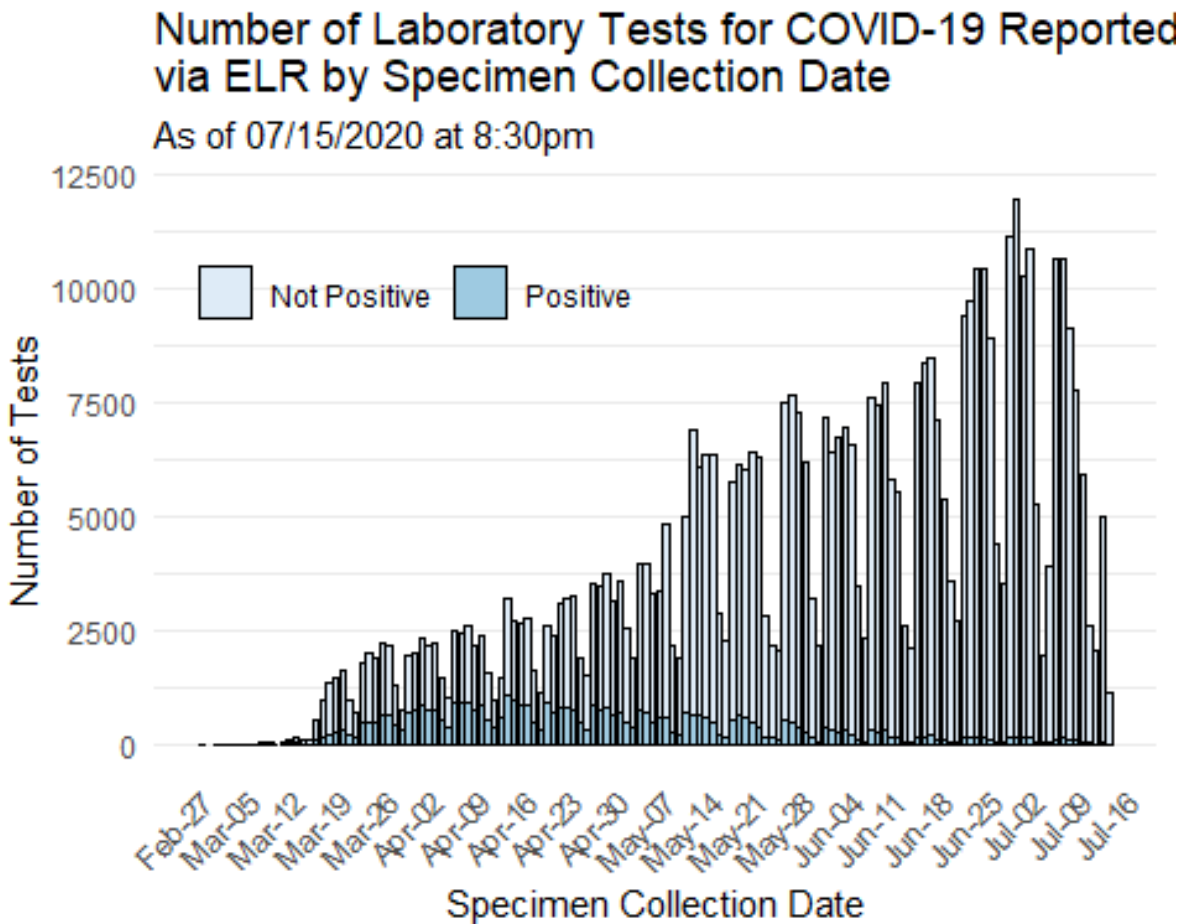
Cumulative hospitalizations and cumulative hospital discharges for COVID-19

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, **10654** patients have been hospitalized with laboratory-confirmed COVID-19 in Connecticut and **8466** patients hospitalized with laboratory-confirmed have been discharged.

Cumulative hospitalizations and hospital discharges
As of 07/15/2020 at 8:30pm

Number of Patients (y-axis, 0 to 16000)

Laboratory-confirmed and suspected COVID-19

Laboratory-confirmed COVID-19

Date (x-axis: May, Jun, Jul)

Cumulative number of patients hospitalized

Cumulative number of patients discharged from hospital

All data are preliminary and subject to change. Updated 7/16/2020.

Laboratory Surveillance

To date, DPH has received reports on a total of 613569 COVID-19 laboratory tests; of these 525103 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.

Number of Laboratory Tests for COVID-19 Reported via ELR by Specimen Collection Date
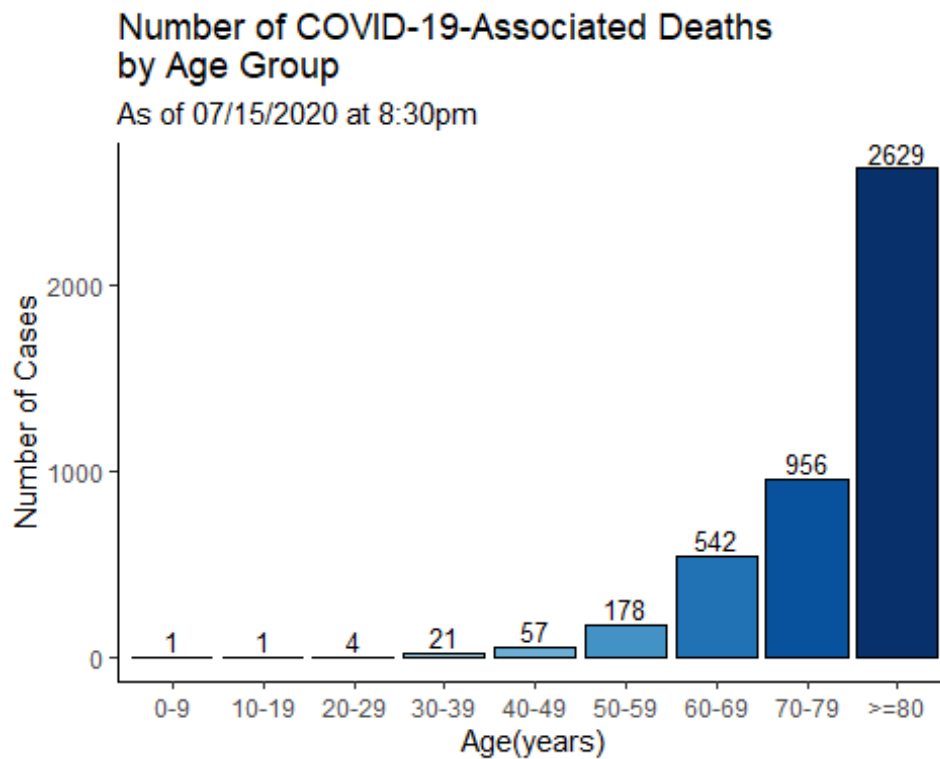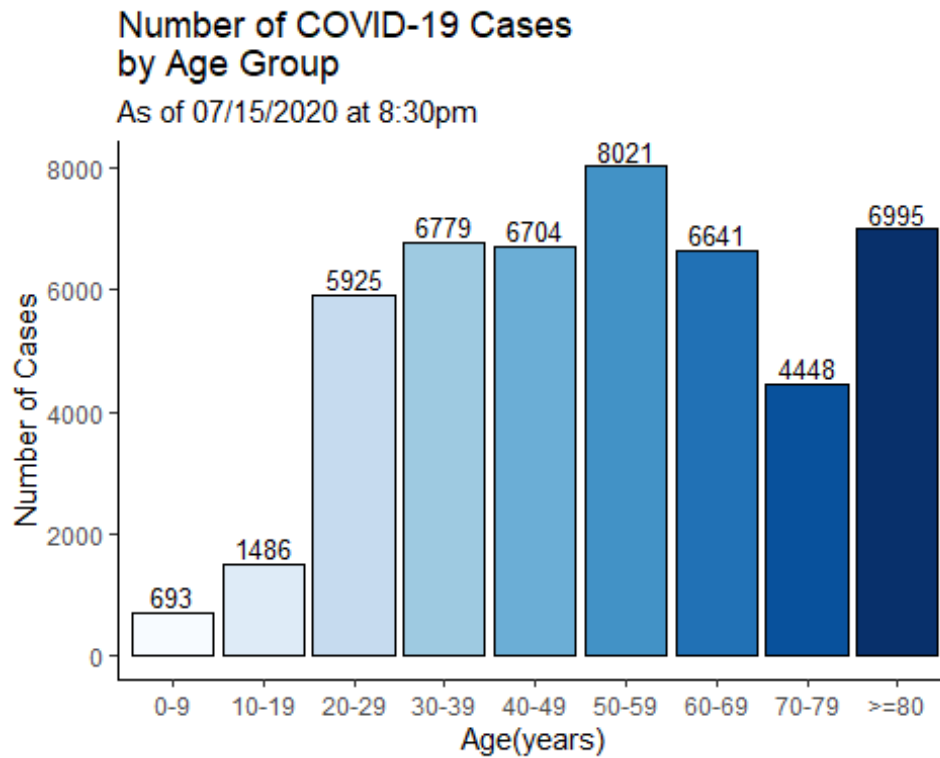
As of 07/15/2020 at 8:30pm

Testing of specimens collected since DATE is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.
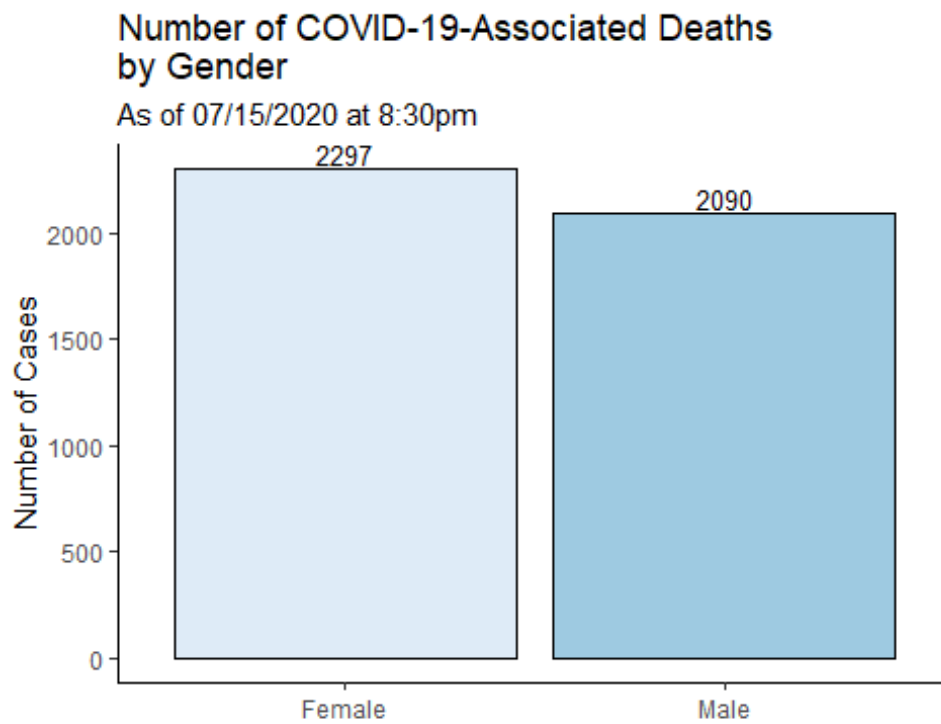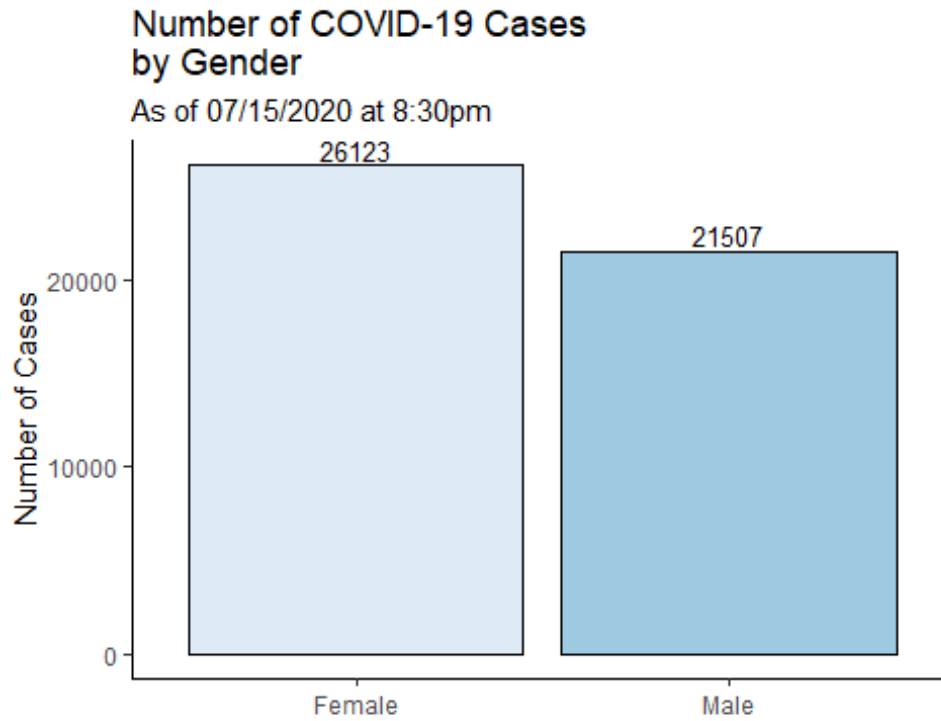
ELR = Electronic Laboratory Reporting

All data are preliminary and subject to change. Updated 7/16/2020.

Characteristics of COVID-19 Cases and Associated Deaths

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

Number of COVID-19 Cases by Age Group
As of 07/15/2020 at 8:30pm

Age(years)	Number of Cases
0-9	693
10-19	1486
20-29	5925
30-39	6779
40-49	6704
50-59	8021
60-69	6641
70-79	4448
>=80	6995

Number of COVID-19-Associated Deaths by Age Group
As of 07/15/2020 at 8:30pm

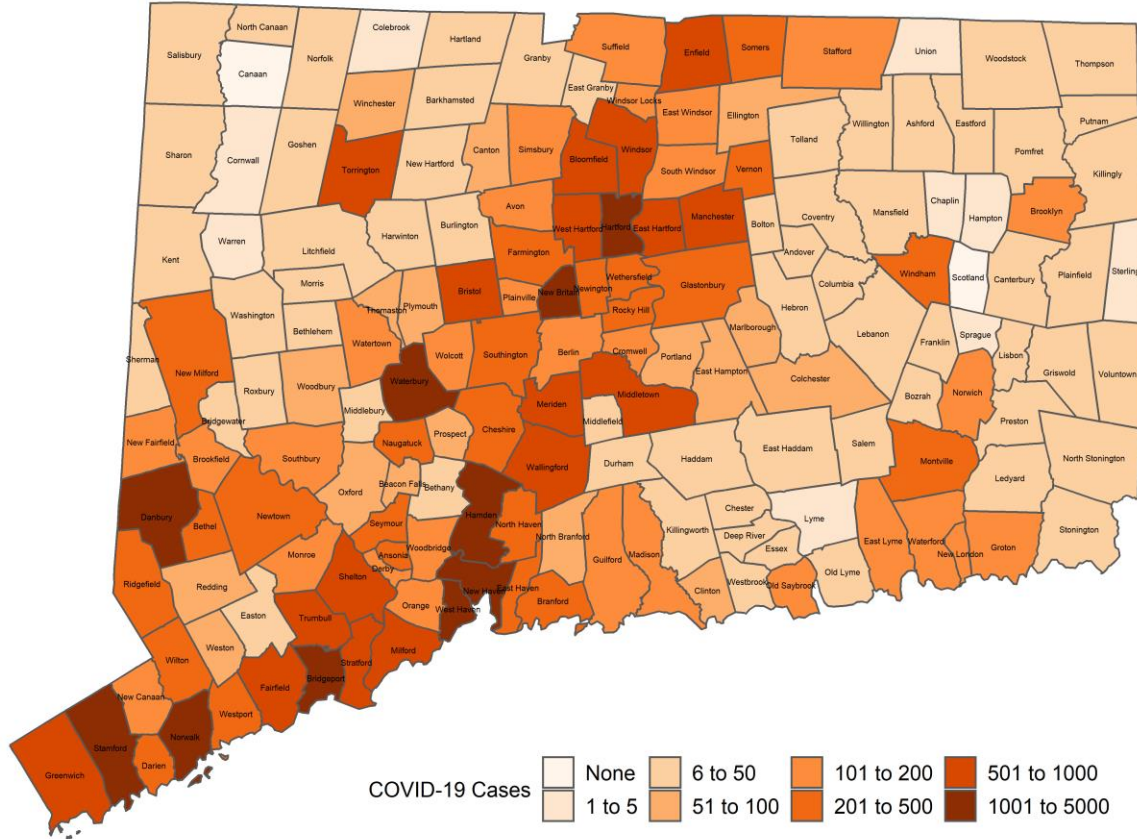| Age(years)	Number of Cases
0-9	1
10-19	1
20-29	4
30-39	21
40-49	57
50-59	178
60-69	542
70-79	956
>=80	2629

All data are preliminary and subject to change. Updated 7/16/2020.

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

Number of COVID-19 Cases by Gender
As of 07/15/2020 at 8:30pm

Number of COVID-19-Associated Deaths by Gender
As of 07/15/2020 at 8:30pm

All data are preliminary and subject to change. Updated 7/16/2020.

Cumulative Number of COVID-19 Cases by Town

Map does not include 215 cases pending address validation

All data are preliminary and subject to change. Updated 7/16/2020.

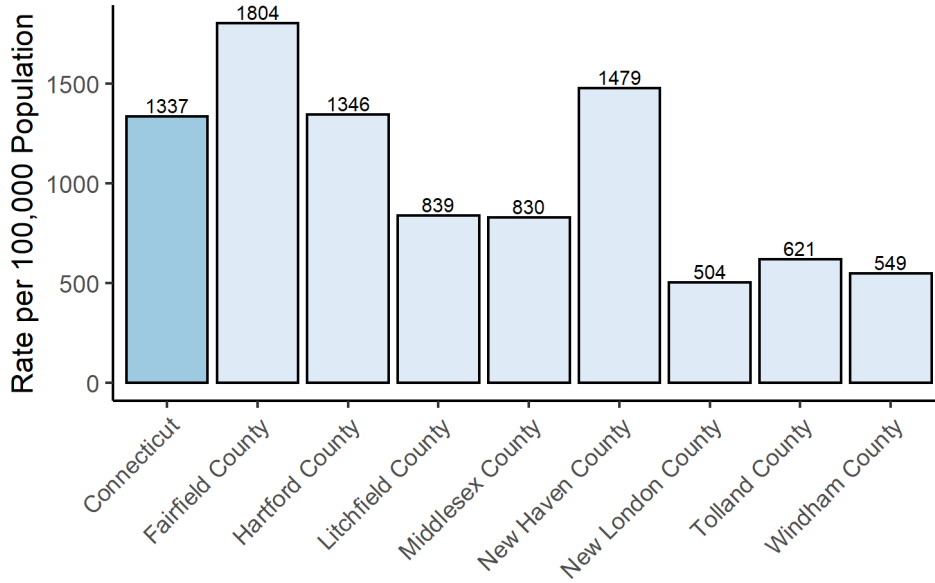## APPENDIX A. Cumulative Number of COVID-19 Cases by Town

Table does not include 215 cases pending address validation

Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	9	0	Griswold	31	2	Prospect	65	0
Ansonia	285	7	Groton	132	12	Putnam	32	1
Ashford	20	0	Guilford	100	5	Redding	66	3
Avon	134	9	Haddam	29	1	Ridgefield	214	12
Barkhamsted	26	1	Hamden	1006	38	Rocky Hill	407	18
Beacon Falls	59	0	Hampton	2	0	Roxbury	5	3
Berlin	163	5	Hartford	2537	145	Salem	6	0
Bethany	39	0	Hartland	6	0	Salisbury	15	0
Bethel	255	10	Harwinton	28	3	Scotland	0	0
Bethlehem	11	1	Hebron	27	2	Seymour	220	13
Bloomfield	494	29	Kent	8	1	Sharon	14	0
Bolton	22	1	Killingly	33	2	Shelton	596	40
Bozrah	7	0	Killingworth	15	0	Sherman	14	2
Branford	337	7	Lebanon	26	0	Simsbury	126	12
Bridgeport	3611	128	Ledyard	25	0	Somers	259	25
Bridgewater	10	0	Lisbon	9	0	South Windsor	154	16
Bristol	607	18	Litchfield	43	1	Southbury	195	5
Brookfield	163	4	Lyme	2	0	Southington	332	14
Brooklyn	127	1	Madison	145	7	Sprague	5	0
Burlington	27	1	Manchester	719	61	Stafford	114	8
Canaan	0	0	Mansfield	38	2	Stamford	3285	72
Canterbury	14	1	Marlborough	96	4	Sterling	2	0
Canton	85	9	Meriden	894	34	Stonington	31	5
Chaplin	4	0	Middlebury	47	3	Stratford	838	37
Cheshire	212	8	Middlefield	18	0	Suffield	143	15
Chester	46	1	Middletown	613	25	Thomaston	58	2
Clinton	58	4	Milford	669	21	Thompson	40	1
Colchester	59	2	Monroe	120	4	Tolland	42	8
Colebrook	3	0	Montville	284	6	Torrington	522	26
Columbia	27	0	Morris	14	1	Trumbull	514	47
Cornwall	5	0	Naugatuck	406	9	Union	4	1
Coventry	44	4	New Britain	1043	72	Vernon	204	12
Cromwell	126	12	New Canaan	186	3	Voluntown	9	0
Danbury	1872	76	New Fairfield	114	1	Wallingford	491	10
Darien	217	3	New Hartford	28	0	Warren	5	0
Deep River	13	2	New Haven	2704	53	Washington	22	1
Derby	170	0	New London	176	6	Waterbury	1994	86
Durham	41	2	New Milford	294	8	Waterford	168	8
East Granby	10	0	Newington	384	21	Watertown	145	7
East Haddam	19	0	Newtown	233	13	West Hartford	668	57
East Hampton	47	4	Norfolk	11	1	West Haven	1049	36
East Hartford	853	59	North Branford	84	4	Westbrook	36	0
East Haven	403	22	North Canaan	5	1	Weston	65	3
East Lyme	150	11	North Haven	267	4	Westport	304	16
East Windsor	147	14	North Stonington	14	1	Wethersfield	249	5
Eastford	8	0	Norwalk	2049	55	Willington	15	0
Easton	33	1	Norwich	109	6	Wilton	204	26
Ellington	64	5	Old Lyme	21	0	Winchester	52	1
Enfield	600	13	Old Saybrook	112	4	Windham	284	0
Essex	50	0	Orange	126	2	Windsor	543	44
Fairfield	614	49	Oxford	80	3	Windsor Locks	115	6
Farmington	215	6	Plainfield	40	1	Wolcott	111	6
Franklin	6	0	Plainville	174	3	Woodbridge	138	7
Glastonbury	278	23	Plymouth	70	5	Woodbury	52	1
Goshen	10	0	Pomfret	13	0	Woodstock	16	0
Granby	28	0	Portland	69	4			
Greenwich	818	37	Preston	16	0			

All data are preliminary and subject to change. Updated 7/16/2020.

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
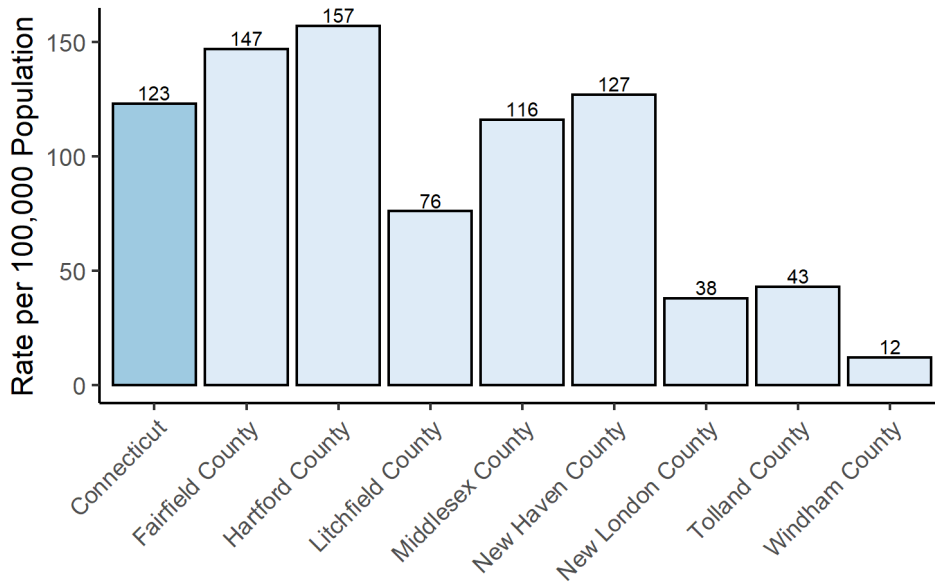
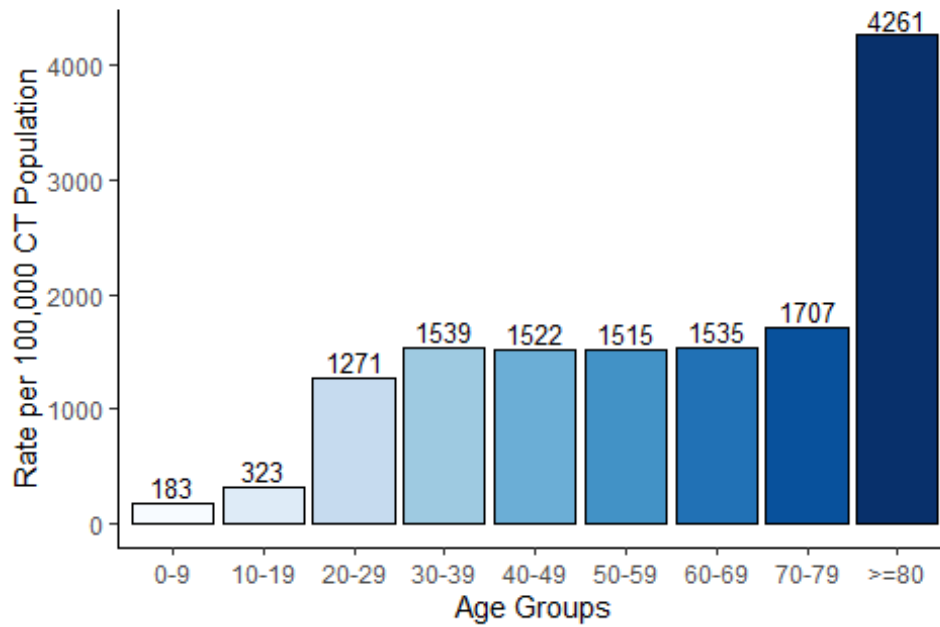### Rate of COVID-19 Cases Statewide and by County
As of 07/15/2020 at 8:30pm

Rate of COVID-19-Associated Deaths Statewide and by County
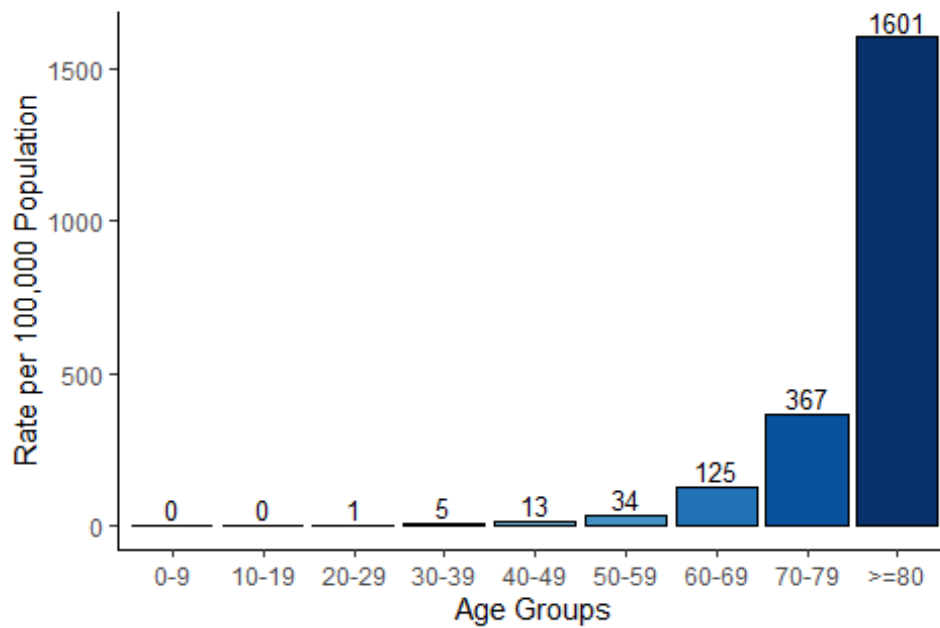As of 07/15/2020 at 8:30pm

All data are preliminary and subject to change. Updated 7/16/2020.

Rate of COVID-19 Cases
by Age Group
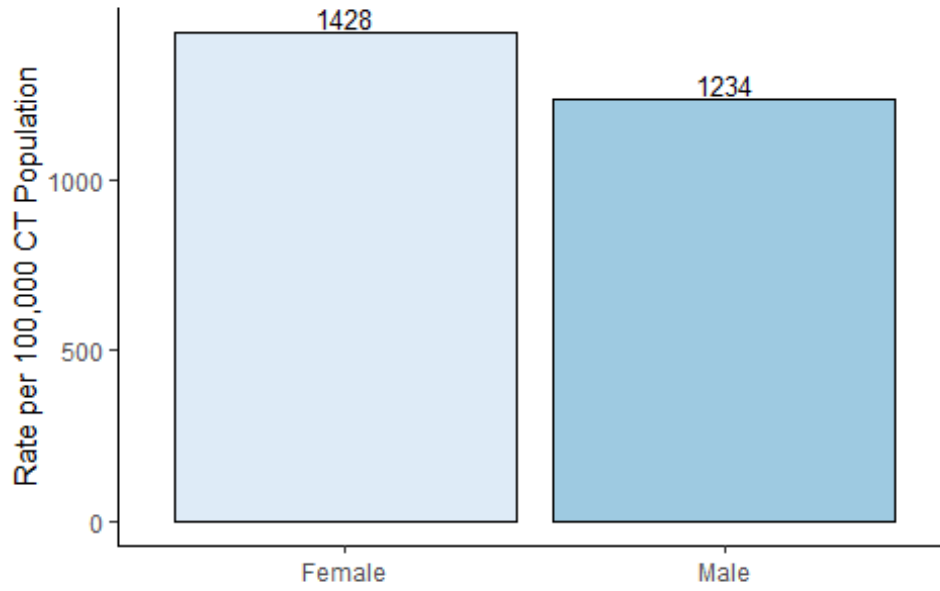As of 07/15/2020 at 8:30pm

Rate of COVID-19-Associated Deaths
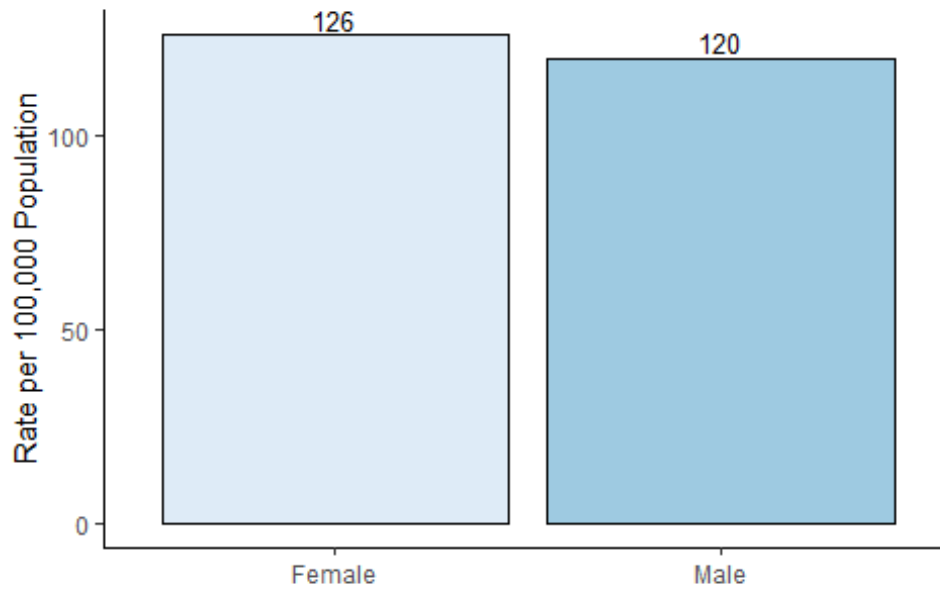## by Age Group
As of 07/15/2020 at 8:30pm

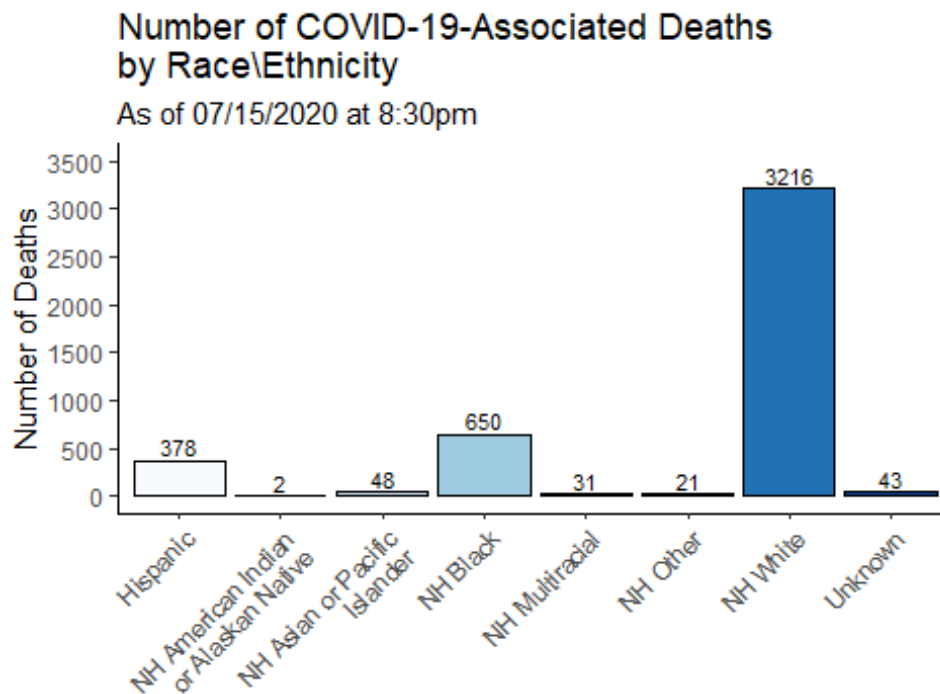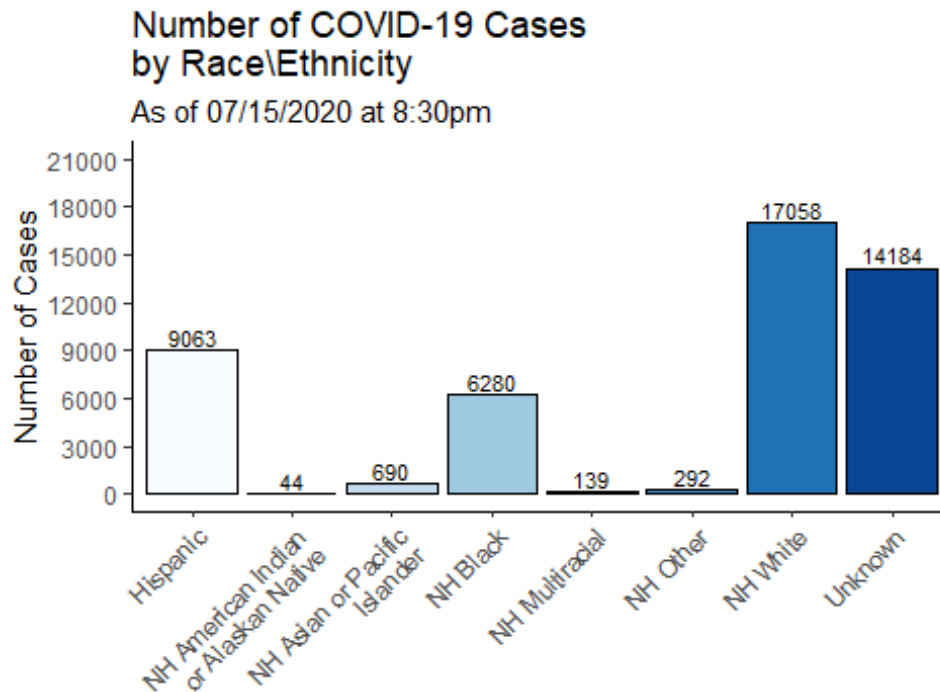## Rate of COVID-19 Cases
by Gender

As of 07/15/2020 at 8:30pm

Rate of COVID-19-Associated Deaths
by Gender

As of 07/15/2020 at 8:30pm

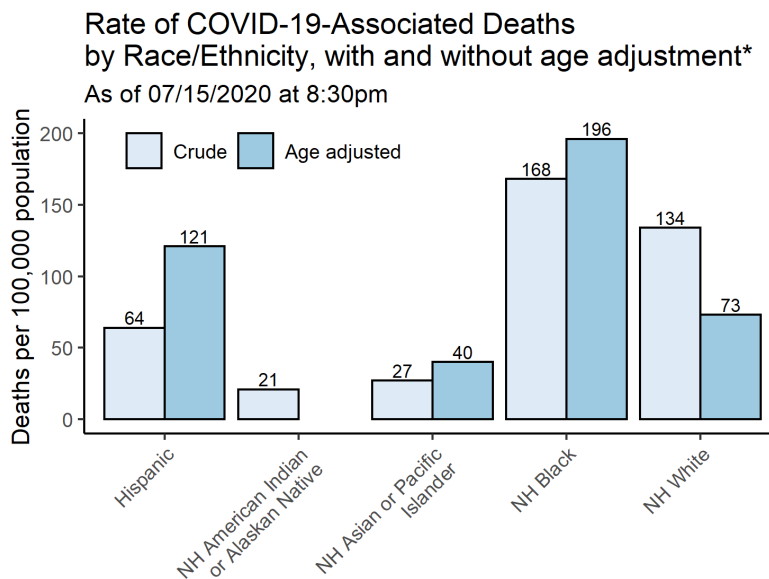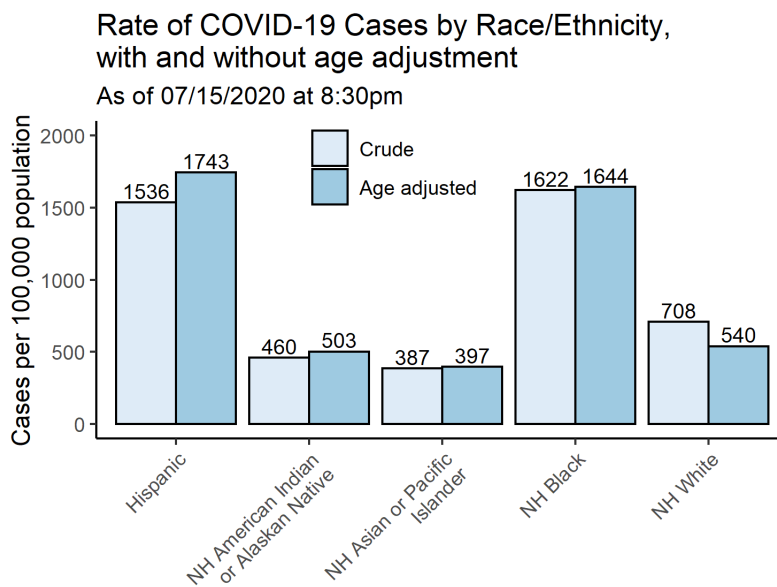All data are preliminary and subject to change. Updated 7/16/2020.

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*

Number of COVID-19 Cases by Race\Ethnicity
As of 07/15/2020 at 8:30pm

Race/Ethnicity	Number of Cases
Hispanic	9063
NH American Indian or Alaskan Native	44
NH Asian or Pacific Islander	690
NH Black	6280
NH Multiracial	139
NH Other	292
NH White	17058
Unknown	14184

Number of COVID-19-Associated Deaths by Race\Ethnicity
As of 07/15/2020 at 8:30pm

Race/Ethnicity	Number of Deaths
Hispanic	378
NH American Indian or Alaskan Native	2
NH Asian or Pacific Islander	48
NH Black	650
NH Multiracial	31
NH Other	21
NH White	3216
Unknown	43

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*

Rate of COVID-19 Cases by Race/Ethnicity, with and without age adjustment
As of 07/15/2020 at 8:30pm

Rate of COVID-19-Associated Deaths by Race/Ethnicity, with and without age adjustment*
As of 07/15/2020 at 8:30pm

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

All data are preliminary and subject to change. Updated 7/16/2020.