COVID-19 Update August 20, 2020

As of **August 19, 2020, at 8:30 PM**, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is **51432**, including **49402** laboratory-confirmed and **2030** probable cases. **Forty-seven** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **4458** 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	51432	+118
COVID-19-Associated Deaths	4458	+1
Patients Currently Hospitalized with COVID-19	47	-2
COVID-19 PCR Tests Reported	1012810	+12415

**Includes confirmed plus probable cases

COVID-19 Cases and Associated Deaths by County of Residence
As of 08/19/20 8:30pm.

County	COVID-19 Cases		COVID-19-Associated Deaths	
	Confirmed	Probable	Confirmed	Probable
Fairfield County	17722	679	1097	313
Hartford County	12330	648	1100	320
Litchfield County	1573	69	118	21
Middlesex County	1363	62	154	38
New Haven County	12999	423	959	152
New London County	1437	66	79	27
Tolland County	1019	63	51	14
Windham County	757	10	14	1
Pending address validation	*202*	*10*	*0*	*0*
Total	**49402**	**2030**	**3572**	**886**

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 8/20/2020.

COVID-19 Cases and Deaths Over Time

New Cases during August 9–August 15, 2020

Among 81,464 PCR tests for COVID-19 with specimen collection date during August 9–15th, 680 test results were positive. There were 574 people who tested positive for the first time or had onset of symptoms during August 9–15th. Of these 574 people, 522 (91%) cases were among people who reside in community settings and 52 (9%) 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 522 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 August 9-15

All data are preliminary and subject to change. Updated 8/20/2020.
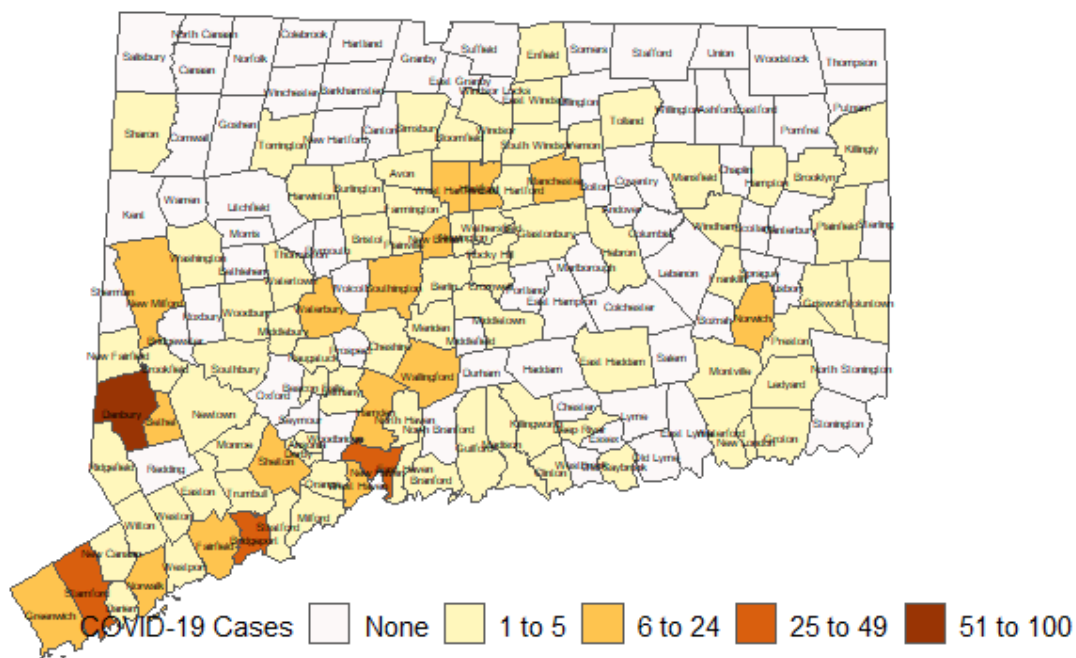
Rate of COVID-19 Cases among Persons Living in Community Settings per 100,000 Population by Town with Specimen Collection or Onset Date During August 9-15

COVID-19 Cases per 100,000 Population

40 80 120 160
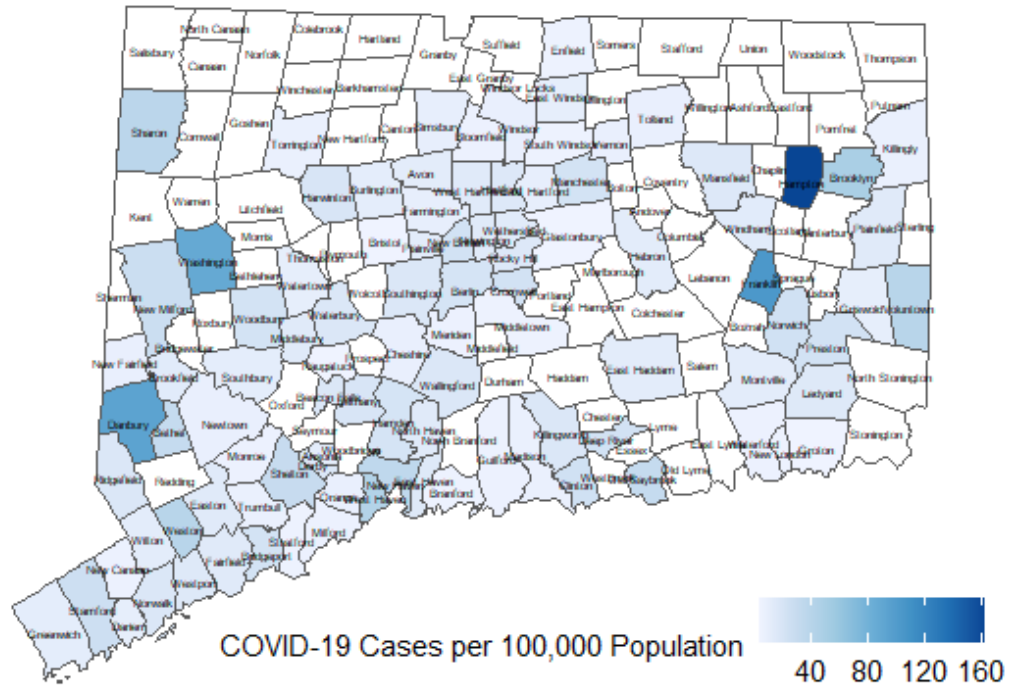
Population, Number and Weekly Rate of COVID-19 Cases among Persons Living in Community Settings by Town with Specimen Collection or Onset Date during August 9–15, 2020

Weekly rate is cases per week per 100,000 population.

Town	Pop	Cases	Rate	Town	Pop	Cases	Rate	Town	Pop	Cases	Rate
Andover	3231	0	0	Groton	38692	<5	3	Preston	4638	<5	22
Ansonia	18721	<5	11	Guilford	22216	<5	5	Prospect	9790	0	0
Ashford	4261	0	0	Haddam	8222	0	0	Putnam	9395	0	0
Avon	18302	<5	11	Hamden	60940	12	20	Redding	9125	0	0
Barkhamsted	3624	0	0	Hampton	1853	<5	162	Ridgefield	25008	<5	16
Beacon Falls	6182	<5	16	Hartford	122587	19	15	Rocky Hill	20145	<5	15
Berlin	20432	<5	20	Hartland	2120	0	0	Roxbury	2160	0	0
Bethany	5479	<5	18	Harwinton	5430	<5	18	Salem	4123	0	0
Bethel	19714	6	30	Hebron	9482	<5	11	Salisbury	3598	0	0
Bethlehem	3422	0	0	Kent	2785	0	0	Scotland	1685	0	0
Bloomfield	21301	<5	5	Killingly	17287	<5	6	Seymour	16509	0	0
Bolton	4890	0	0	Killingworth	6370	<5	16	Sharon	2703	<5	37
Bozrah	2537	0	0	Lebanon	7207	0	0	Shelton	41097	12	29
Branford	28005	<5	4	Ledyard	14736	<5	14	Sherman	3614	0	0
Bridgeport	144900	31	21	Lisbon	4248	0	0	Simsbury	24979	<5	8
Bridgewater	1641	0	0	Litchfield	8127	0	0	Somers	10834	0	0
Bristol	60032	<5	3	Lyme	2338	0	0	South Windsor	26054	<5	4
Brookfield	17002	<5	12	Madison	18106	<5	6	Southbury	19656	<5	10
Brooklyn	8280	<5	48	Manchester	57699	12	21	Southington	43807	7	16
Burlington	9665	<5	10	Mansfield	25817	<5	15	Sprague	2889	0	0
Canaan	1055	0	0	Marlborough	6358	0	0	Stafford	11884	0	0
Canterbury	5100	0	0	Meriden	59540	<5	5	Stamford	129775	33	25
Canton	10270	0	0	Middlebury	7731	<5	13	Sterling	3780	0	0
Chaplin	2256	0	0	Middlefield	4380	0	0	Stonington	18449	0	0
Cheshire	29179	<5	7	Middletown	46146	<5	4	Stratford	51967	<5	4
Chester	4229	0	0	Milford	54661	<5	5	Suffield	15743	0	0
Clinton	12950	<5	23	Monroe	19470	<5	5	Thomaston	7560	0	0
Colchester	15936	0	0	Montville	18716	<5	11	Thompson	9395	0	0
Colebrook	1405	0	0	Morris	2262	0	0	Tolland	14655	<5	7
Columbia	5385	0	0	Naugatuck	31288	<5	3	Torrington	34228	<5	6
Cornwall	1368	0	0	New Britain	72453	16	22	Trumbull	35802	<5	6
Coventry	12414	0	0	New Canaan	20213	<5	5	Union	840	0	0
Cromwell	13905	<5	22	New Fairfield	13877	<5	7	Vernon	29303	<5	7
Danbury	84730	79	93	New Hartford	6685	0	0	Voluntown	2535	<5	39
Darien	21753	<5	9	New Haven	130418	44	34	Wallingford	44535	7	16
Deep River	4463	<5	22	New London	26939	<5	4	Warren	1399	0	0
Derby	12515	<5	16	New Milford	26974	7	26	Washington	3434	<5	87
Durham	7195	0	0	Newington	30112	<5	13	Waterbury	108093	17	16
East Granby	5147	0	0	Newtown	27774	<5	7	Waterford	18887	<5	5
East Haddam	8988	<5	11	Norfolk	1640	0	0	Watertown	21641	<5	9
East Hampton	12854	0	0	North Branford	14158	0	0	West Hartford	62939	8	13
East Hartford	49998	<5	8	North Canaan	3254	0	0	West Haven	54879	23	42
East Haven	28699	<5	14	North Haven	23691	<5	13	Westbrook	6914	0	0
East Lyme	18645	0	0	North Stonington	5243	0	0	Weston	10247	<5	39
East Windsor	11375	<5	9	Norwalk	89047	14	16	Westport	28115	<5	14
Eastford	1790	0	0	Norwich	39136	9	23	Wethersfield	26082	<5	12
Easton	7517	<5	13	Old Lyme	7366	0	0	Willington	5887	0	0
Ellington	16299	0	0	Old Saybrook	10087	<5	30	Wilton	18397	<5	11
Enfield	44466	<5	4	Orange	13949	<5	7	Winchester	10655	0	0
Essex	6674	0	0	Oxford	13226	0	0	Windham	24706	<5	12
Fairfield	61952	8	13	Plainfield	15173	<5	13	Windsor	28760	<5	7
Farmington	25506	<5	8	Plainville	17623	<5	11	Windsor Locks	12876	0	0
Franklin	1933	<5	103	Plymouth	11645	0	0	Wolcott	16649	0	0
Glastonbury	34491	<5	3	Pomfret	4204	0	0	Woodbridge	8805	0	0
Goshen	2879	0	0	Portland	9305	0	0	Woodbury	9537	<5	21
Granby	11375	0	0					Woodstock	7862	0	0
Greenwich	62727	6	10								
Griswold	11591	<5	9								

All data are preliminary and subject to change. Updated 8/20/2020.

COVID-19 PCR Tests during August 9–15, 2020

Among 81,464 PCR tests for COVID-19 with specimen collection date during August 9–15th, 75,521 (93%) tests were conducted among people who did not reside in congregate settings (including nursing homes, assisted living, and correctional facilities). Of these 75,521 tests, 614 (1%) were positive. The map below shows the number of PCR COVID-19 tests by town with specimen collection date during August 9–15th 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 August 9-15
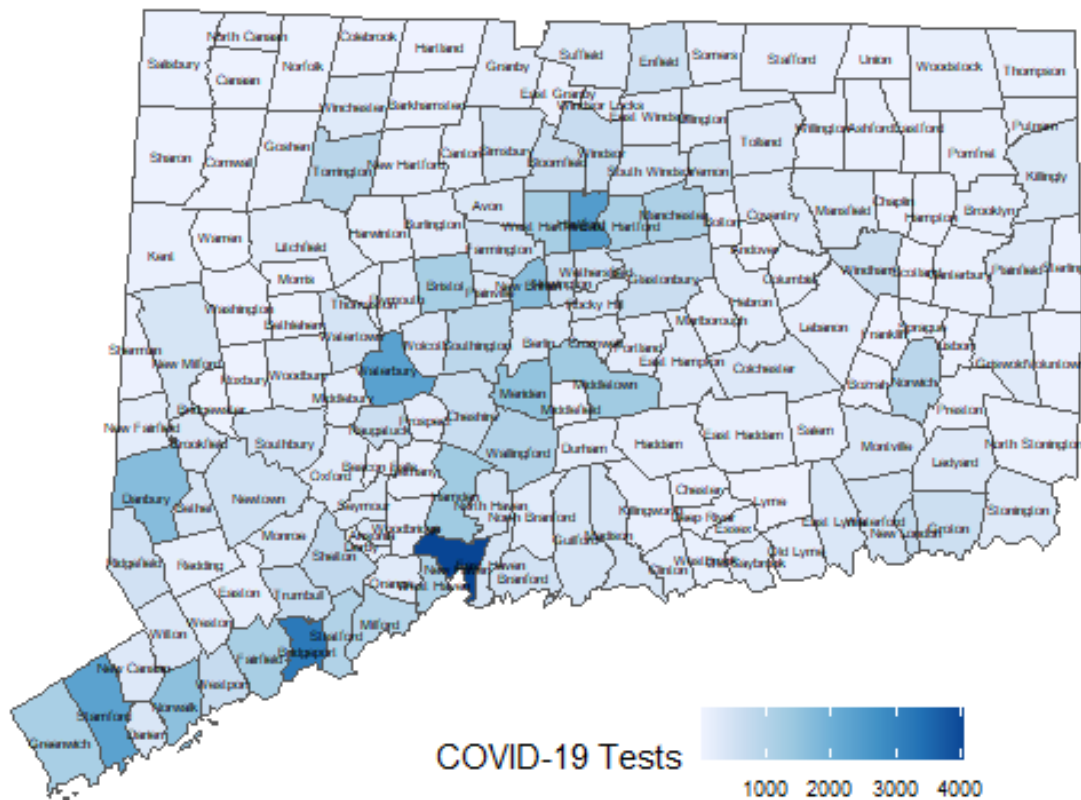
Map does not include 5068 tests pending address validation

All data are preliminary and subject to change. Updated 8/20/2020.

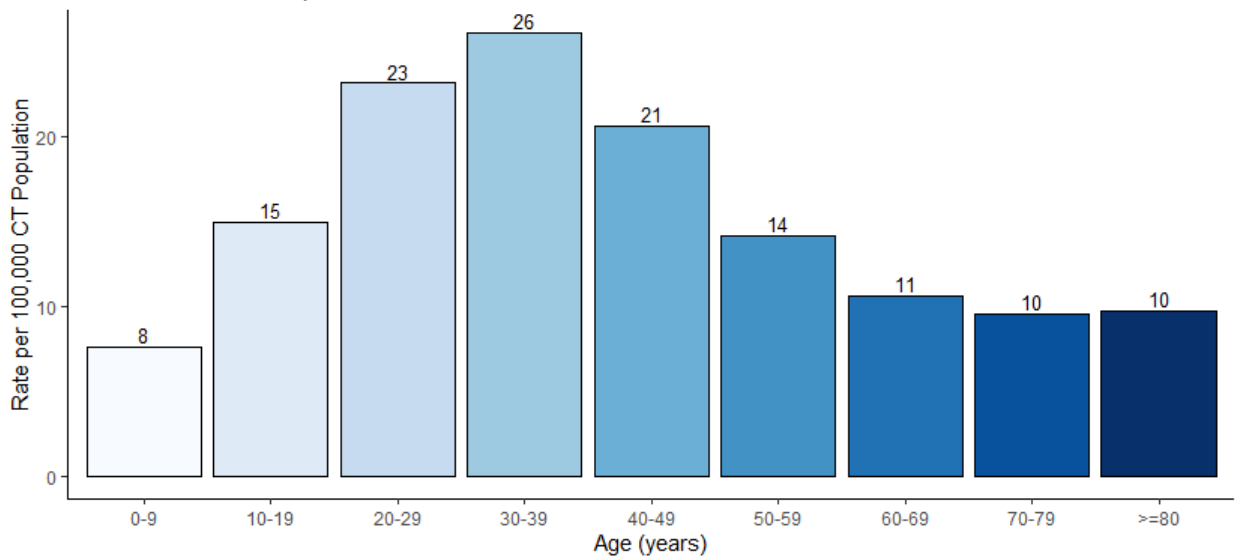**Age Distribution of COVID-19 Cases with Specimen Collection or Onset During August 9–15, 2020**

Number of New COVID-19 Cases by Age Group with Collection or Onset during August 9-15
As of 08/19/2020 at 8:30pm

Age (years)	Number of Cases
0-9	29
10-19	69
20-29	108
30-39	115
40-49	91
50-59	75
60-69	46
70-79	25
>=80	16

Rate of COVID-19 Cases by Age Group with Collection or Onset during August 9-15
As of 08/19/2020 at 8:30pm

Age (years)	Rate per 100,000 CT Population
0-9	8
10-19	15
20-29	23
30-39	26
40-49	21
50-59	14
60-69	11
70-79	10
>=80	10
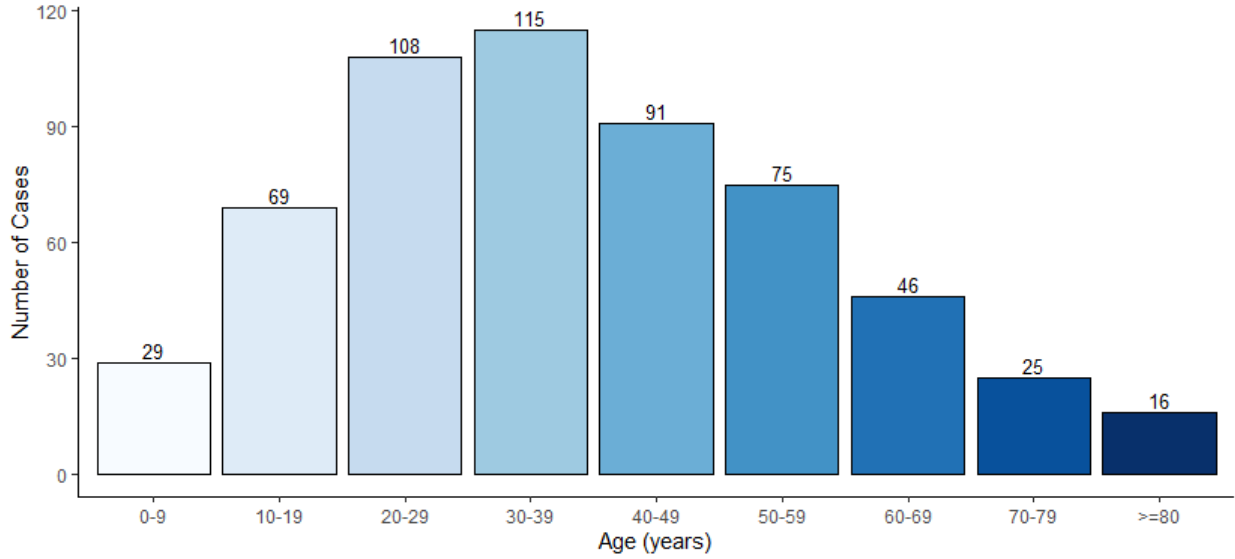
Weekly Incidence by Age Group

The chart below shows the number of new COVID-19 cases per week per 100,000 population by age group during May 31–August 15, 2020. 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.
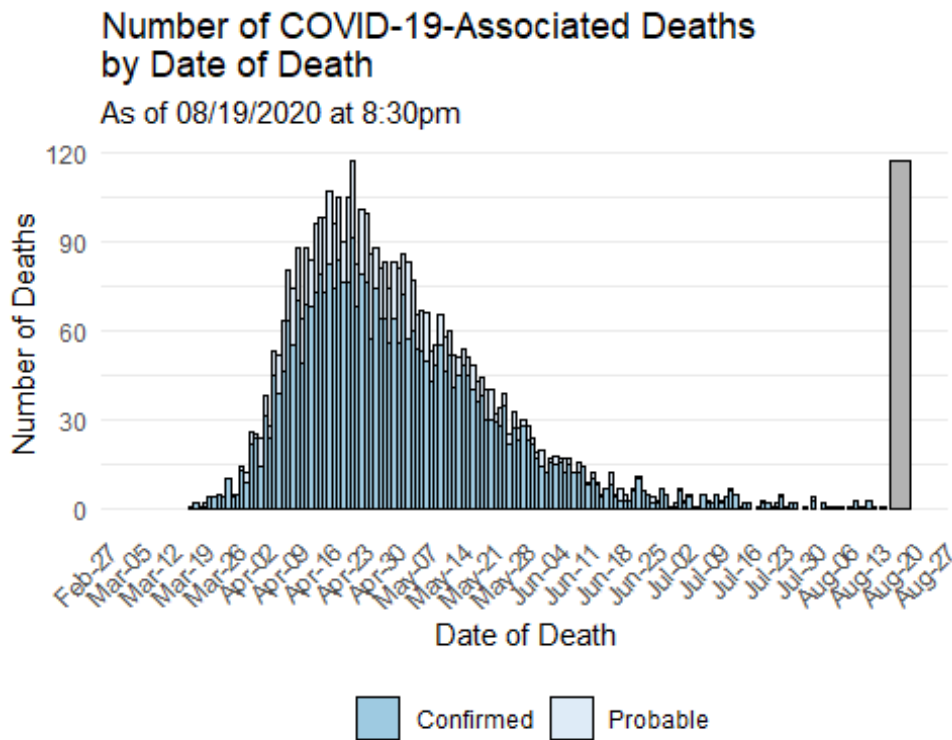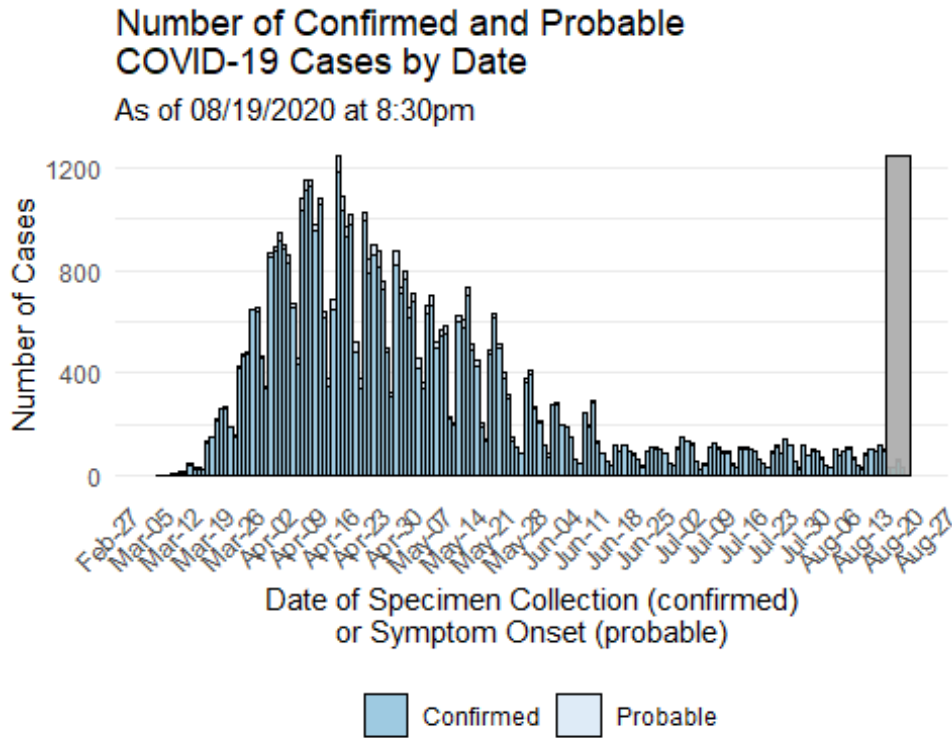
Weekly rates of COVID-19 cases by age group
As of 8/5/2020 at 8:30 PM

All data are preliminary and subject to change. Updated 8/20/2020.
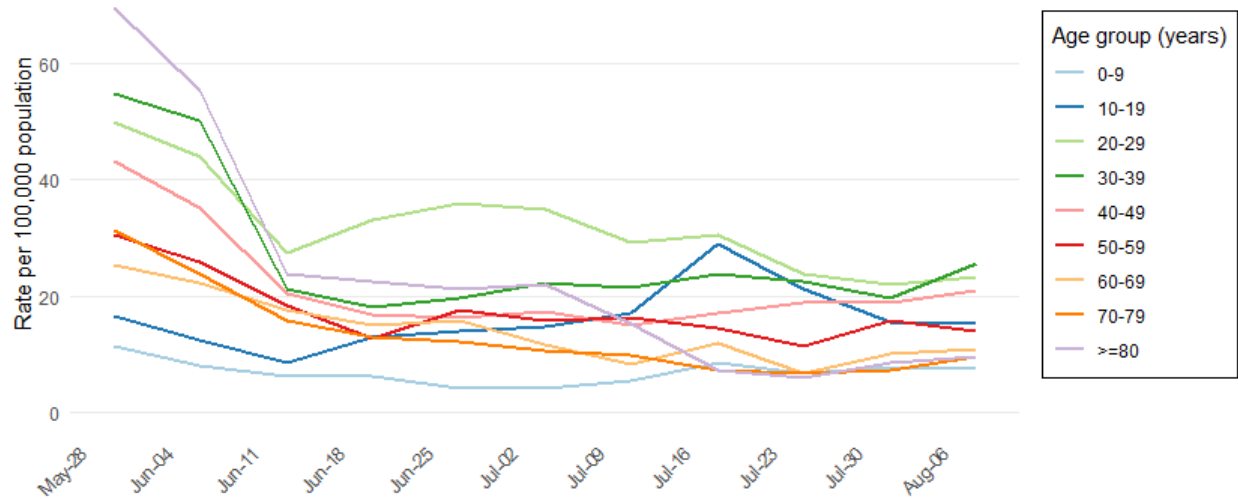
Cumulative Number of COVID-19 Cases and COVID-19-Associated Deaths by Date

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.

Number of Confirmed and Probable COVID-19 Cases by Date

As of 08/19/2020 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 08/19/2020 at 8:30pm

Date of Death

Confirmed   Probable

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.

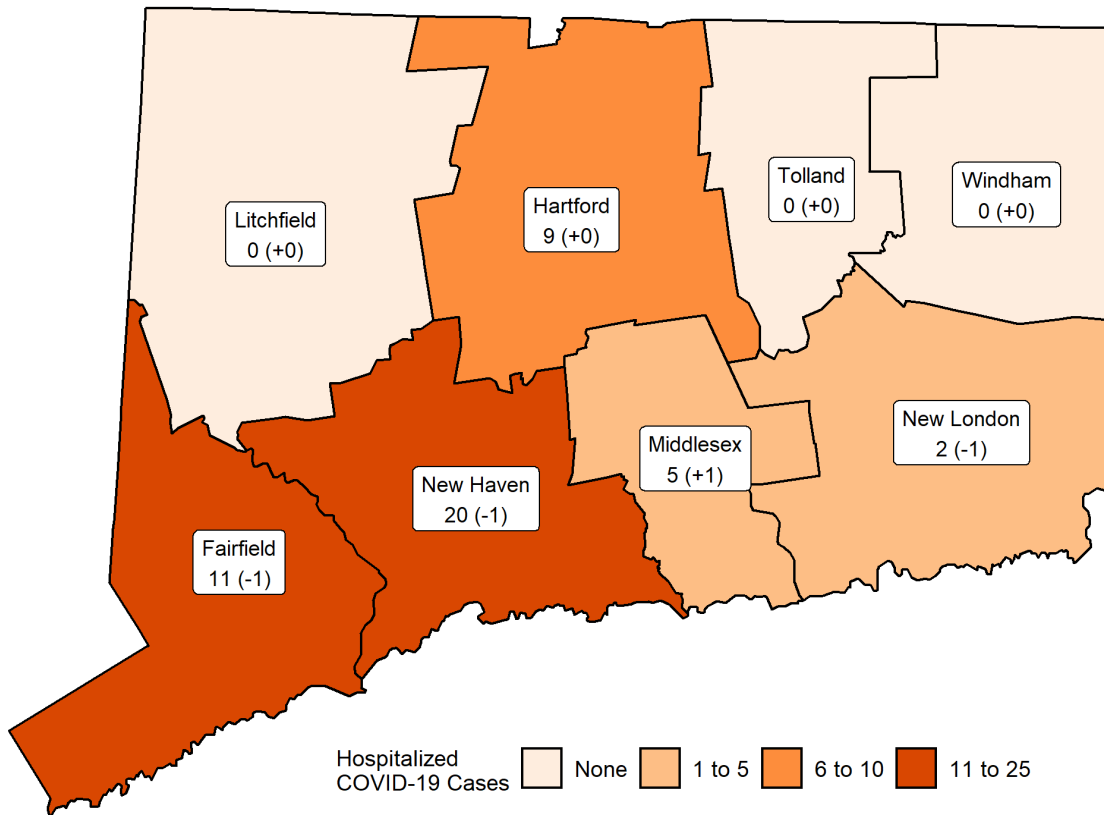Weekly rates of COVID-19 cases by County
As of 08/19/2020 at 8:30pm
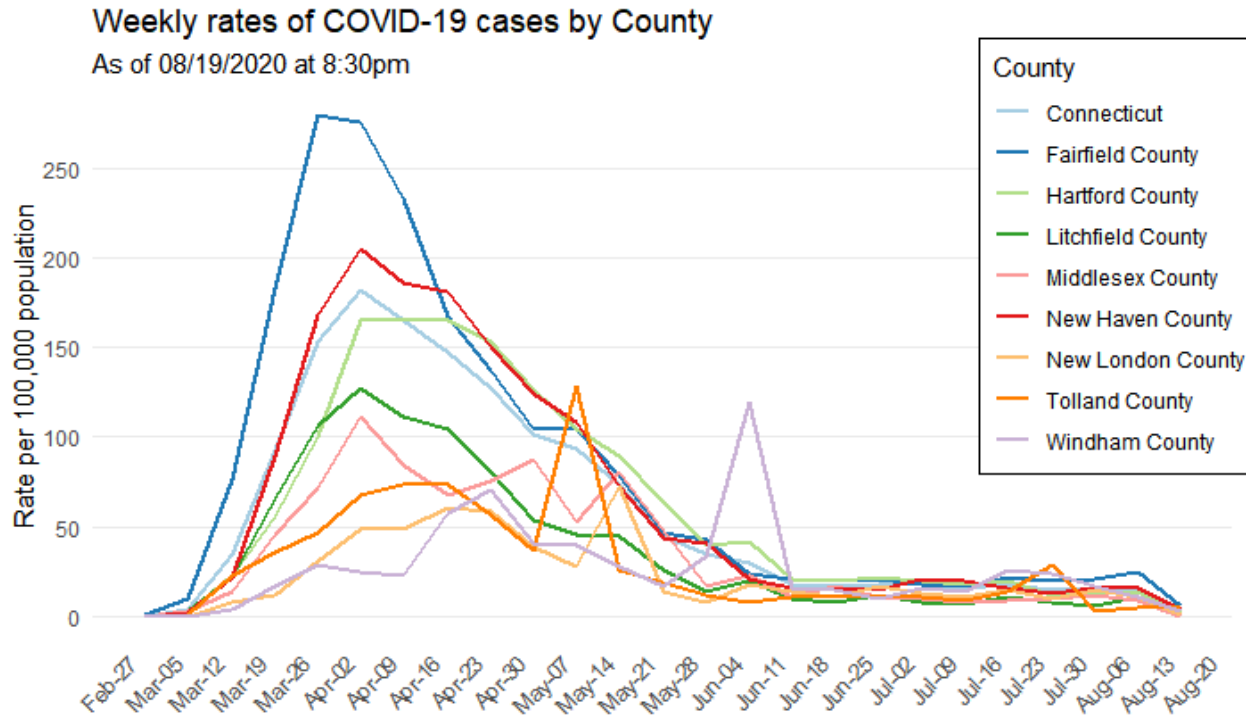
Notes: Incidence rates are based on weekly cases divided by the estimated annual population and multiplied by 100,000. Cases pending address validation are excluded from rate calculations.

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All data are preliminary and subject to change. Updated 8/20/2020.

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.

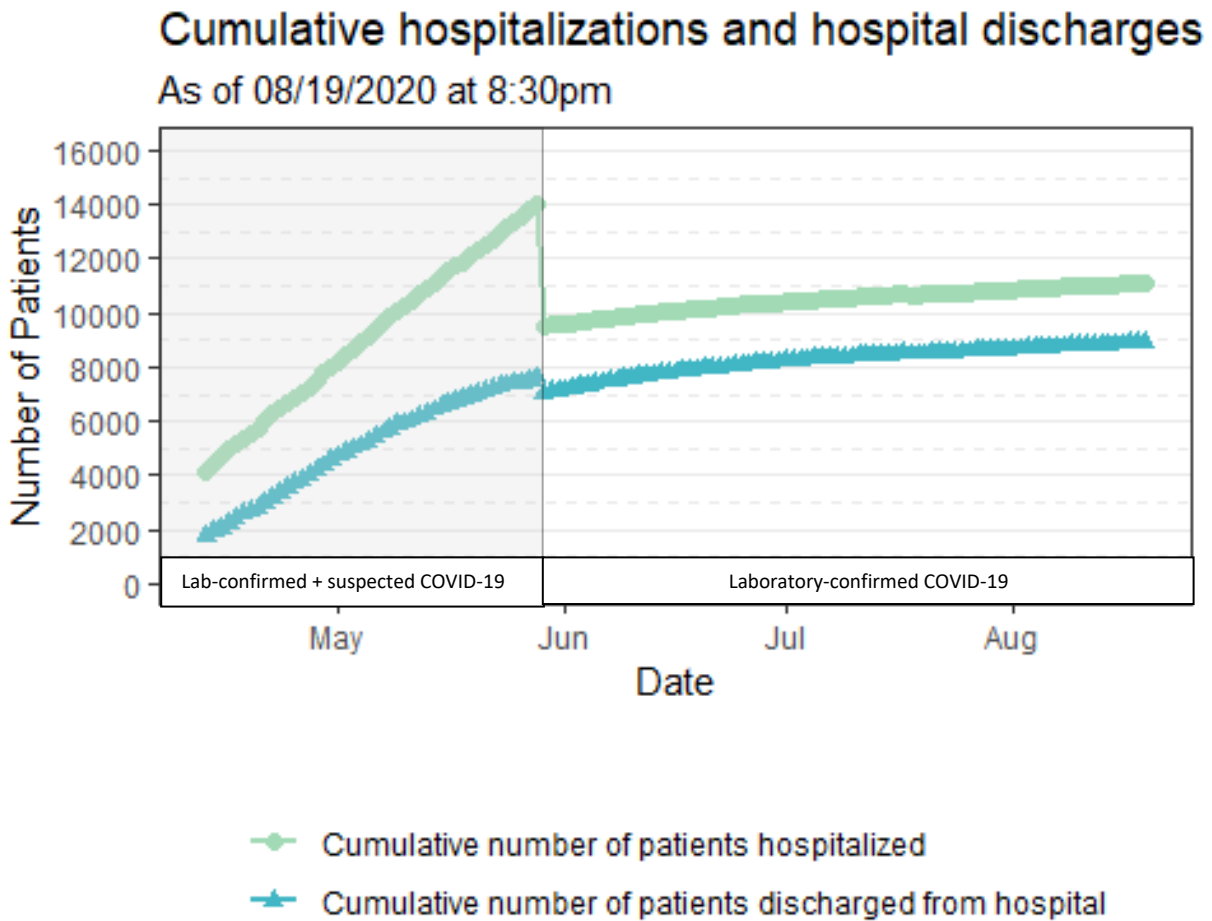**Patients Currently Hospitalized by Connecticut County**
Distribution by location of hospital not patient residence. Data from the Connecticut Hospital Association.

Litchfield
0 (+0)

Hartford
9 (+0)

Tolland
0 (+0)

Windham
0 (+0)

New London
2 (-1)

Middlesex
5 (+1)

New Haven
20 (-1)

Fairfield
11 (-1)

Hospitalized COVID-19 Cases   None   1 to 5   6 to 10   11 to 25

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

All data are preliminary and subject to change. Updated 8/20/2020.

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, **11087** patients have been hospitalized with laboratory-confirmed COVID-19 in Connecticut and **8893** patients hospitalized with laboratory-confirmed have been discharged.

Cumulative hospitalizations and hospital discharges
As of 08/19/2020 at 8:30pm

Number of Patients (y-axis) vs Date (x-axis)

Legend:
- Cumulative number of patients hospitalized
- Cumulative number of patients discharged from hospital

Panel labels: Lab-confirmed + suspected COVID-19 | Laboratory-confirmed COVID-19

Laboratory Surveillance

To date, DPH has received reports on a total of 1012810 COVID-19 laboratory tests; of these 874981 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.
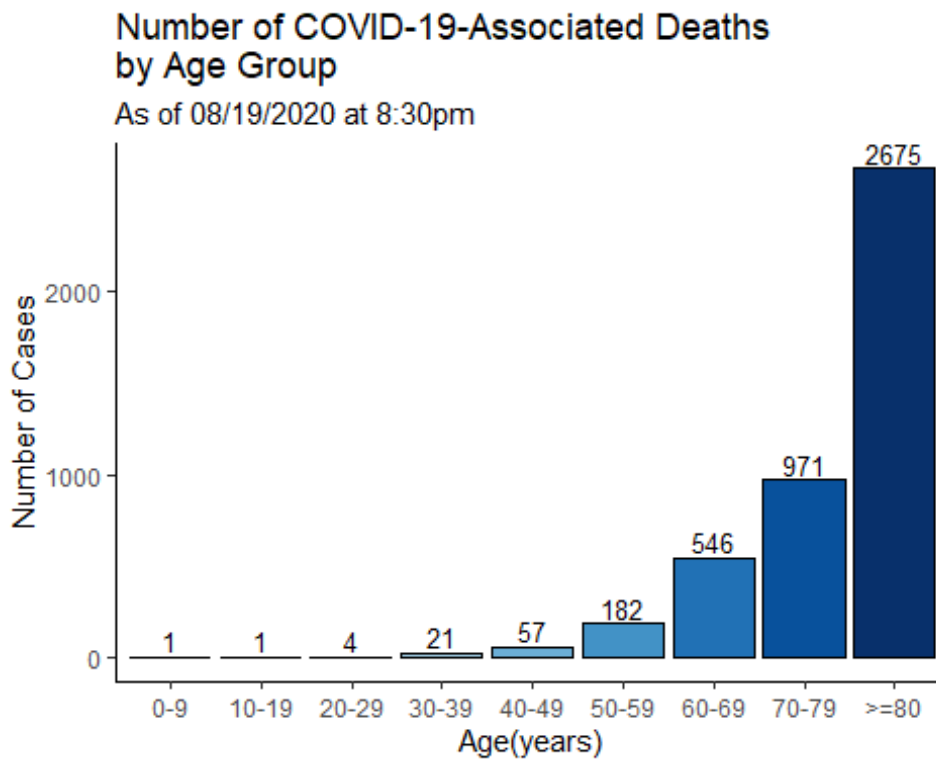
Number of Laboratory Tests for COVID-19 Reported via ELR by Specimen Collection Date
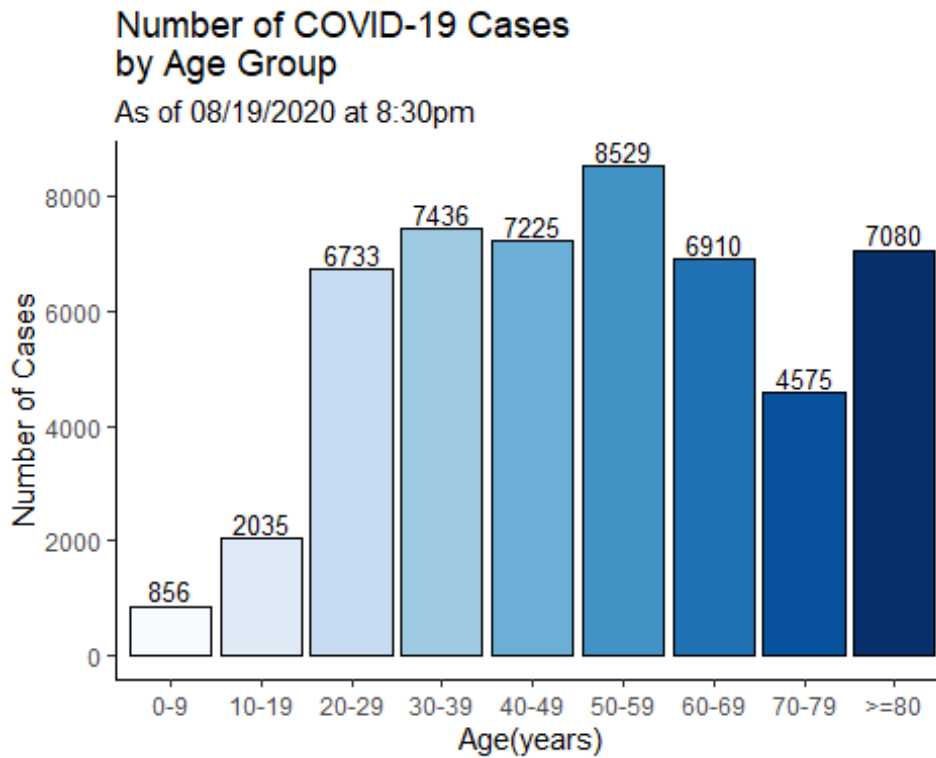### As of 08/19/2020 at 8:30pm
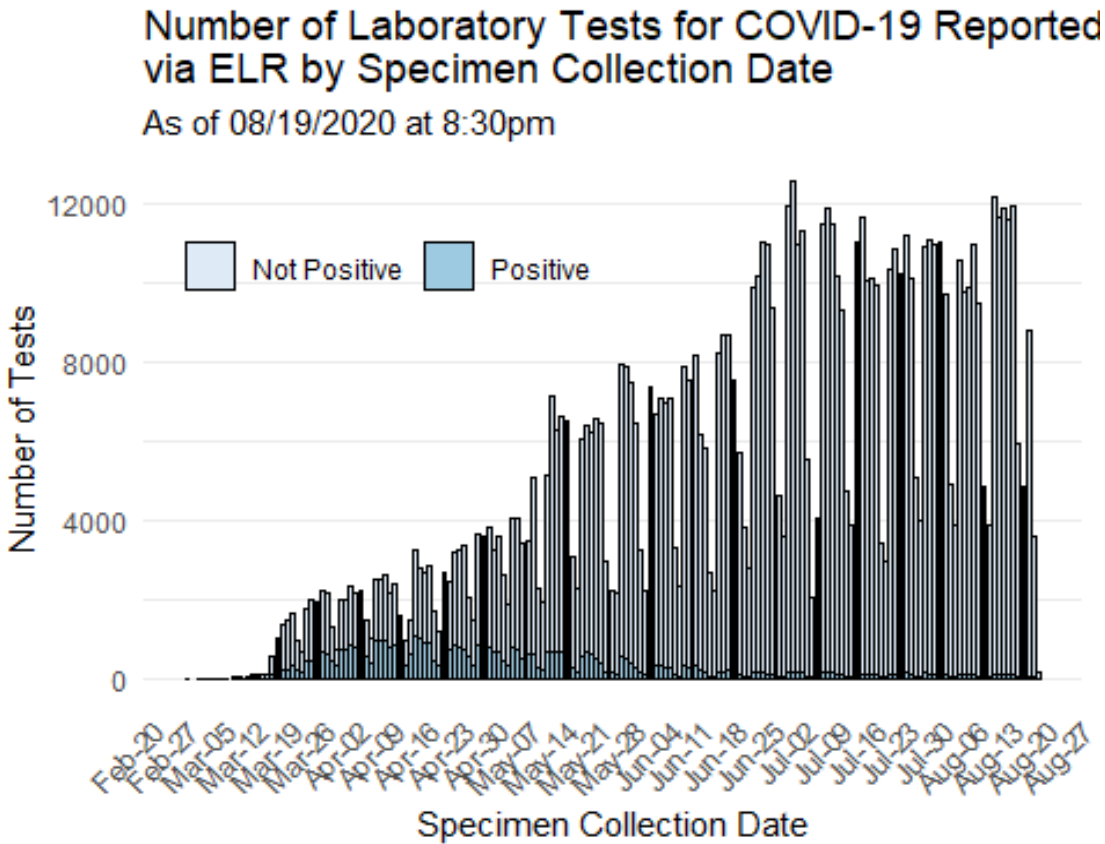
Testing of specimens collected since August 16 is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.
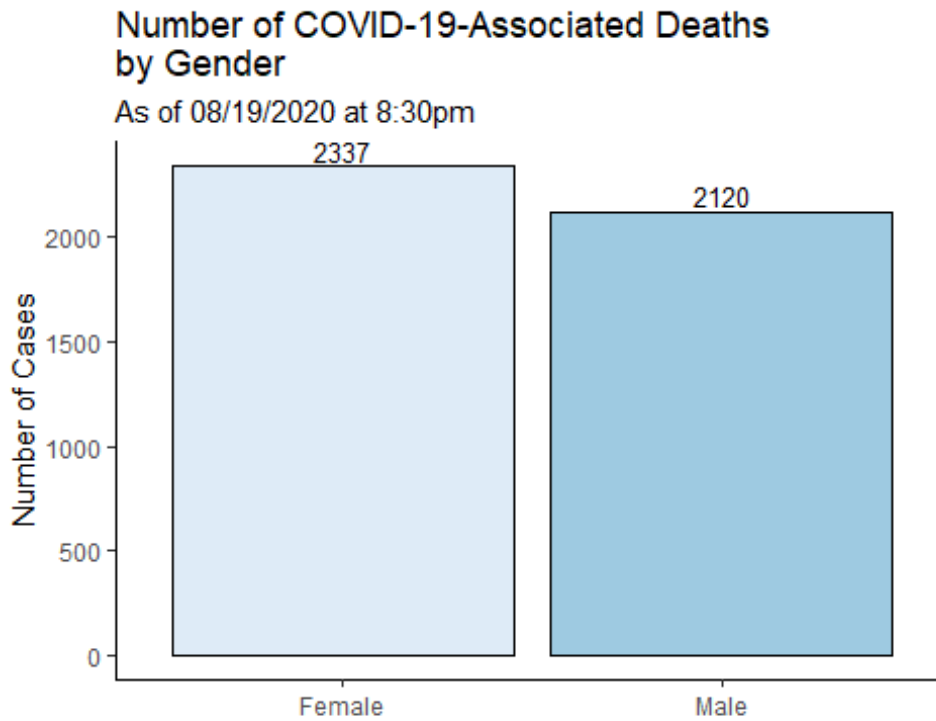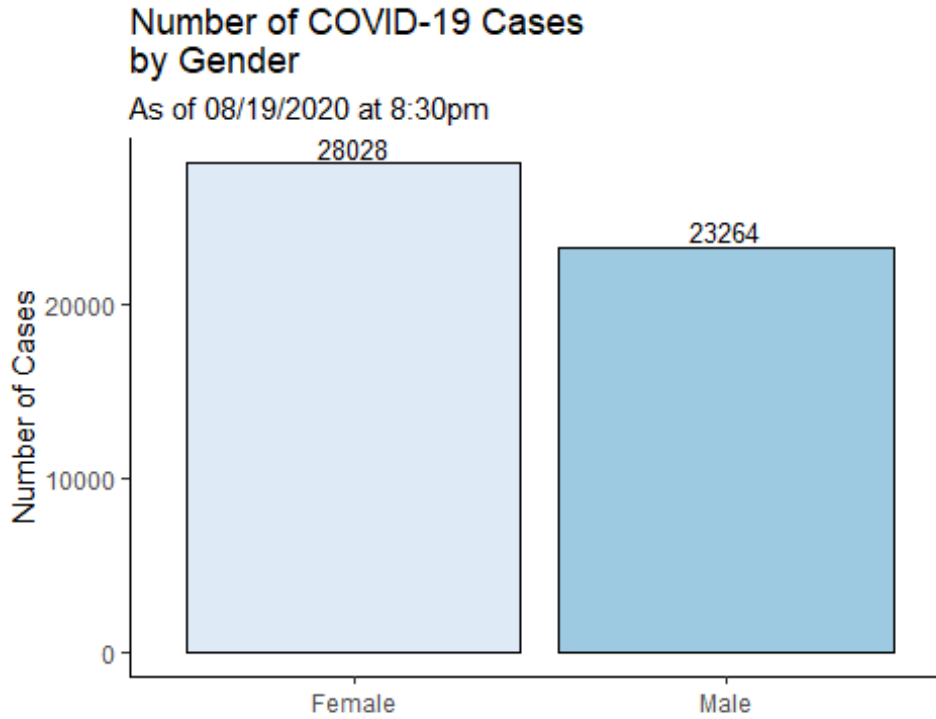
ELR = Electronic Laboratory Reporting

Characteristics of COVID-19 Cases and Associated Deaths

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

Number of COVID-19 Cases by Age Group
As of 08/19/2020 at 8:30pm

Age (years)	Number of Cases
0-9	856
10-19	2035
20-29	6733
30-39	7436
40-49	7225
50-59	8529
60-69	6910
70-79	4575
>=80	7080

Number of COVID-19-Associated Deaths by Age Group
As of 08/19/2020 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	182
60-69	546
70-79	971
>=80	2675

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

Number of COVID-19 Cases by Gender
As of 08/19/2020 at 8:30pm

Number of COVID-19-Associated Deaths by Gender
As of 08/19/2020 at 8:30pm

Cumulative Number of COVID-19 Cases by Town

Map does not include 202 cases pending address validation

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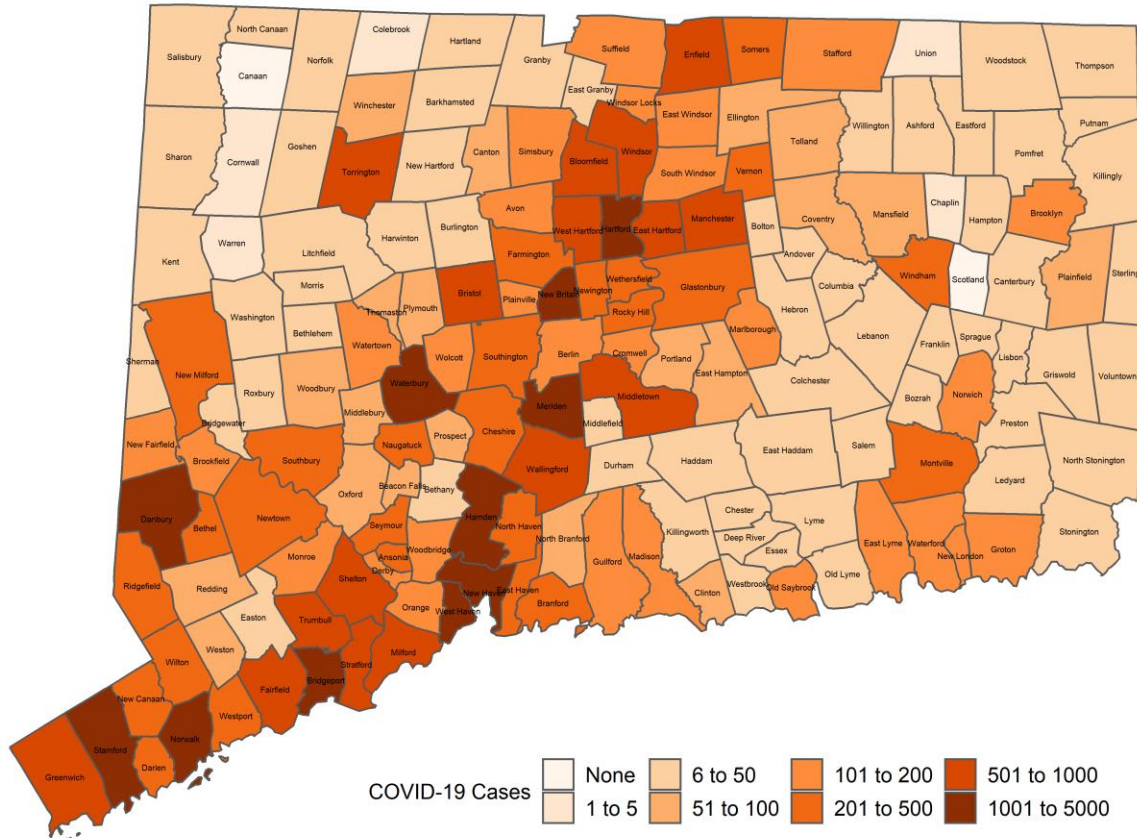
## APPENDIX A. Cumulative Number of COVID-19 Cases by Town

Table does not include 202 cases pending address validation

Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	9	0	Griswold	39	2	Prospect	73	0
Ansonia	293	7	Groton	146	13	Putnam	36	1
Ashford	22	1	Guilford	106	5	Redding	73	6
Avon	145	10	Haddam	36	1	Ridgefield	231	13
Barkhamsted	31	1	Hamden	1051	41	Rocky Hill	430	18
Beacon Falls	61	0	Hampton	6	0	Roxbury	6	3
Berlin	179	9	Hartford	2796	125	Salem	13	0
Bethany	39	1	Hartland	6	0	Salisbury	18	0
Bethel	276	17	Harwinton	33	3	Scotland	0	0
Bethlehem	12	1	Hebron	32	2	Seymour	234	11
Bloomfield	515	30	Kent	10	1	Sharon	16	0
Bolton	22	1	Killingly	42	4	Shelton	651	37
Bozrah	12	0	Killingworth	17	0	Sherman	15	2
Branford	355	12	Lebanon	27	0	Simsbury	129	14
Bridgeport	3910	118	Ledyard	31	0	Somers	291	20
Bridgewater	11	0	Lisbon	11	0	South Windsor	158	15
Bristol	637	17	Litchfield	46	2	Southbury	200	5
Brookfield	174	6	Lyme	6	0	Southington	357	14
Brooklyn	142	1	Madison	154	7	Sprague	6	0
Burlington	36	1	Manchester	754	61	Stafford	117	8
Canaan	0	0	Mansfield	62	3	Stamford	3415	77
Canterbury	18	1	Marlborough	98	4	Sterling	7	0
Canton	86	9	Meriden	973	35	Stonington	31	5
Chaplin	4	0	Middlebury	47	4	Stratford	875	39
Cheshire	225	8	Middlefield	20	0	Suffield	149	15
Chester	46	1	Middletown	638	25	Thomaston	63	2
Clinton	65	4	Milford	693	24	Thompson	42	1
Colchester	41	3	Monroe	134	5	Tolland	48	8
Colebrook	5	0	Montville	316	7	Torrington	558	24
Columbia	29	0	Morris	15	0	Trumbull	538	49
Cornwall	5	0	Naugatuck	421	11	Union	4	1
Coventry	52	4	New Britain	1235	53	Vernon	260	12
Cromwell	132	14	New Canaan	199	3	Voluntown	13	0
Danbury	2275	85	New Fairfield	120	3	Wallingford	516	10
Darien	240	7	New Hartford	33	0	Warren	5	0
Deep River	15	2	New Haven	2849	59	Washington	26	1
Derby	177	0	New London	194	6	Waterbury	2139	92
Durham	45	3	New Milford	308	12	Waterford	177	8
East Granby	12	0	Newington	399	20	Watertown	154	9
East Haddam	22	0	Newtown	246	14	West Hartford	748	57
East Hampton	51	4	Norfolk	13	1	West Haven	1113	39
East Hartford	923	57	North Branford	89	4	Westbrook	34	0
East Haven	423	23	North Canaan	7	1	Weston	78	3
East Lyme	151	12	North Haven	287	4	Westport	327	15
East Windsor	164	14	North Stonington	14	1	Wethersfield	273	6
Eastford	12	0	Norwalk	2108	56	Willington	16	0
Easton	35	1	Norwich	149	8	Wilton	218	26
Ellington	77	4	Old Lyme	24	0	Winchester	57	1
Enfield	666	14	Old Saybrook	117	4	Windham	319	0
Essex	49	0	Orange	135	4	Windsor	563	44
Fairfield	679	55	Oxford	85	4	Windsor Locks	131	6
Farmington	231	8	Plainfield	58	1	Wolcott	121	6
Franklin	13	0	Plainville	179	2	Woodbridge	140	7
Glastonbury	299	23	Plymouth	73	5	Woodbury	56	1
Goshen	12	1	Pomfret	19	0	Woodstock	30	0
Granby	32	2	Portland	76	4			
Greenwich	905	42	Preston	23	1			

All data are preliminary and subject to change. Updated 8/20/2020.

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
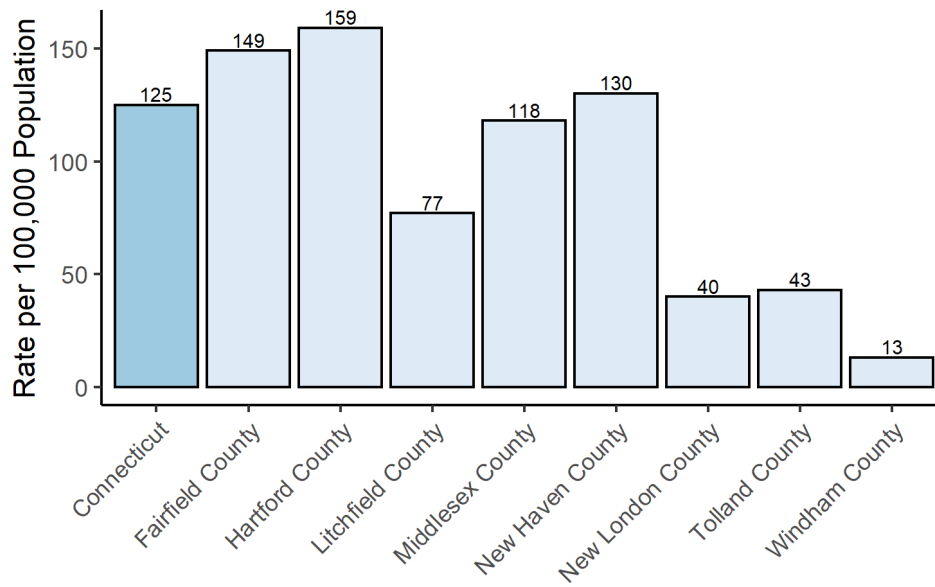
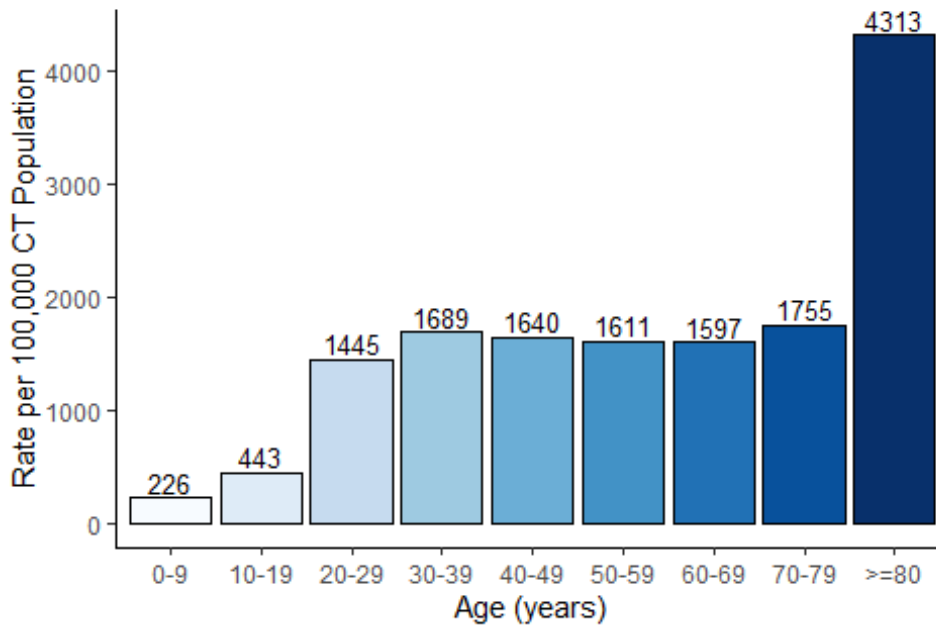## Rate of COVID-19 Cases Statewide and by County
As of 08/19/2020 at 8:30pm
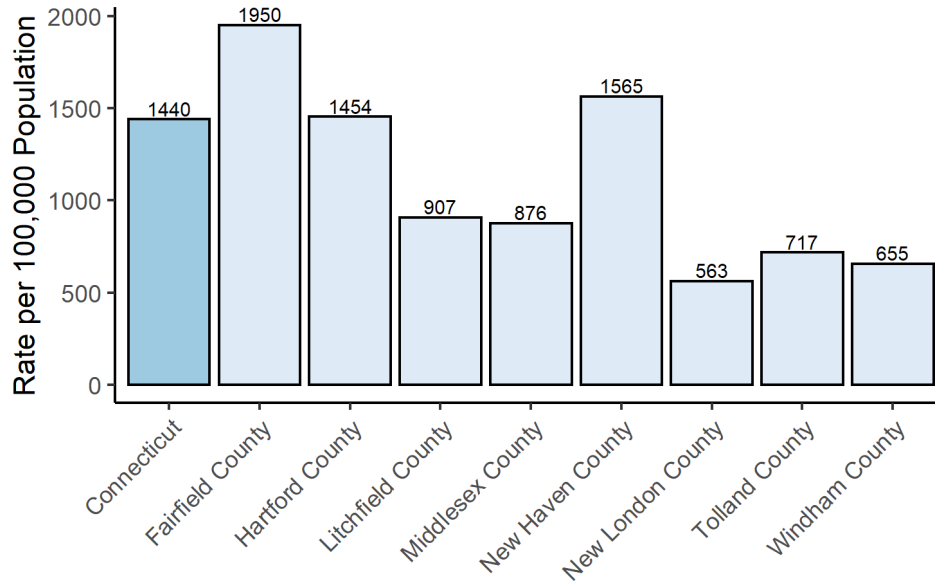
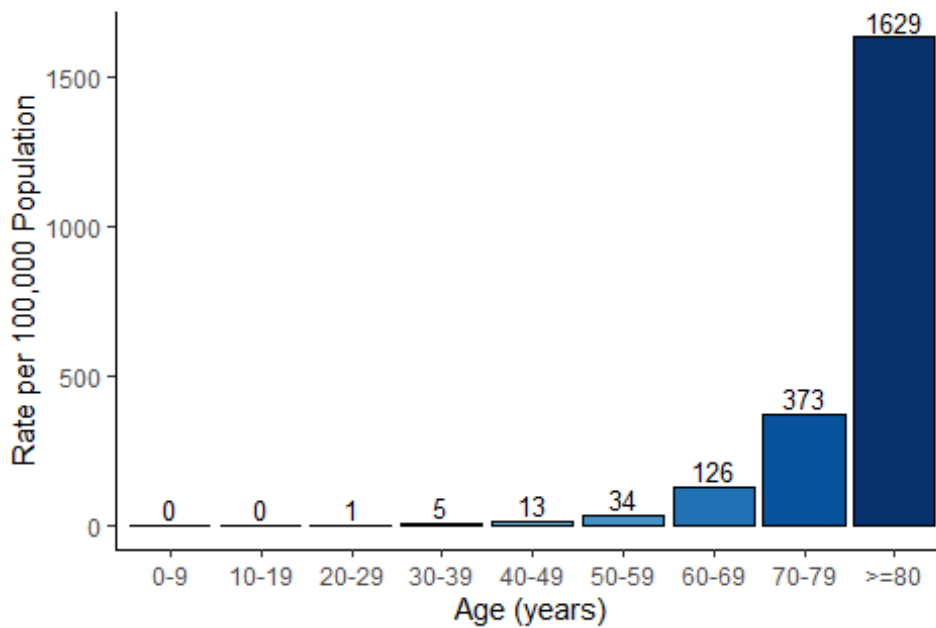## Rate of COVID-19-Associated Deaths Statewide and by County
As of 08/19/2020 at 8:30pm

All data are preliminary and subject to change. Updated 8/20/2020.

Rate of COVID-19 Cases
by Age Group

As of 08/19/2020 at 8:30pm

Rate of COVID-19-Associated Deaths
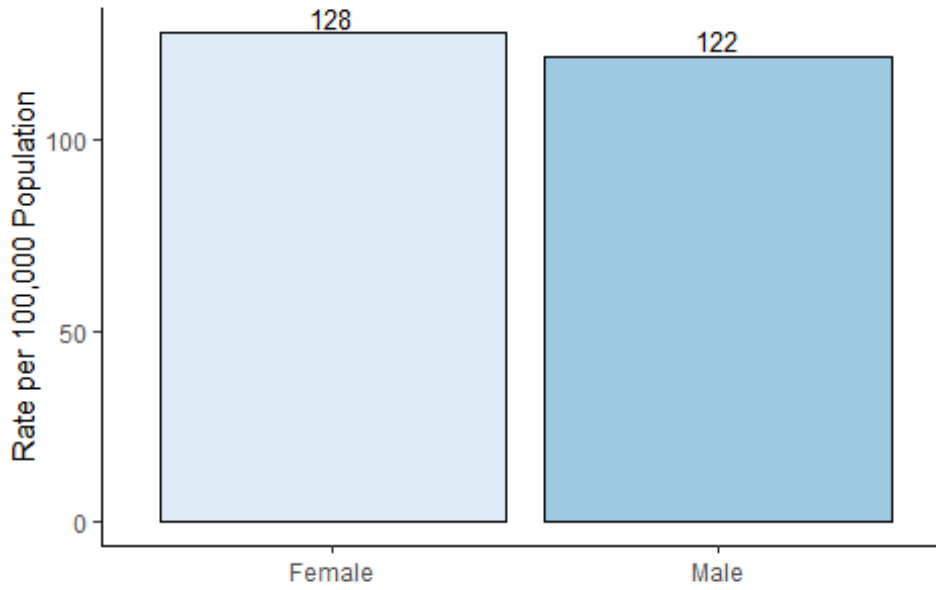## by Age Group

As of 08/19/2020 at 8:30pm

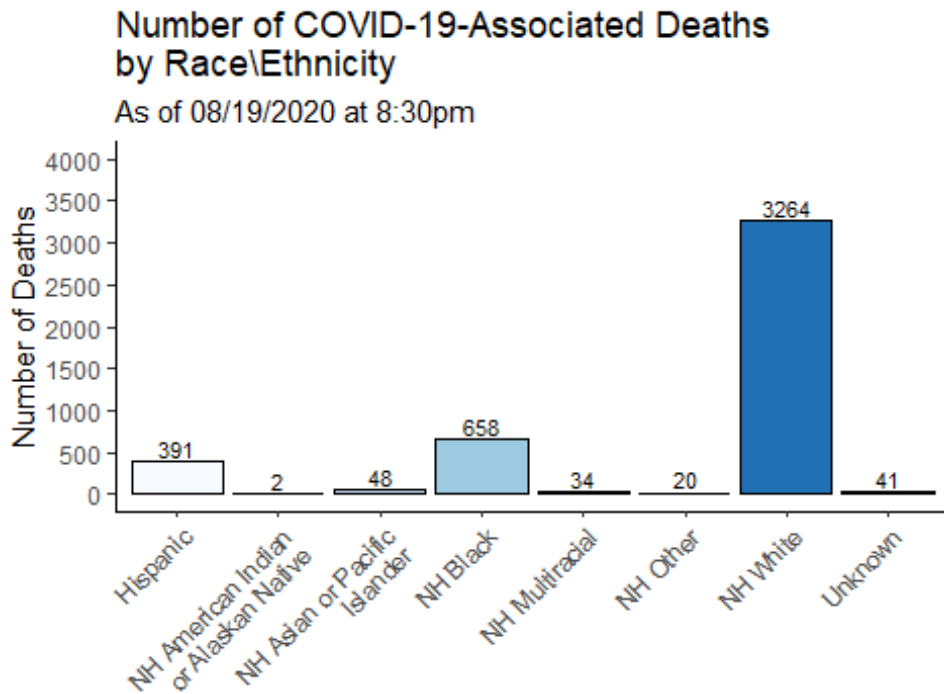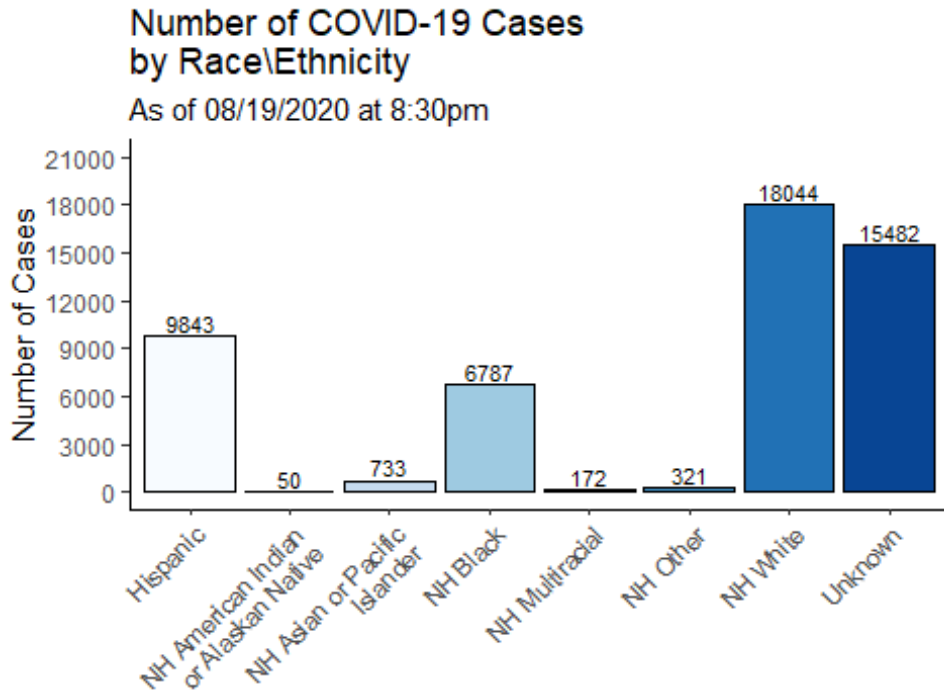## Rate of COVID-19 Cases
by Gender

As of 08/19/2020 at 8:30pm

Rate of COVID-19-Associated Deaths
by Gender

As of 08/19/2020 at 8:30pm

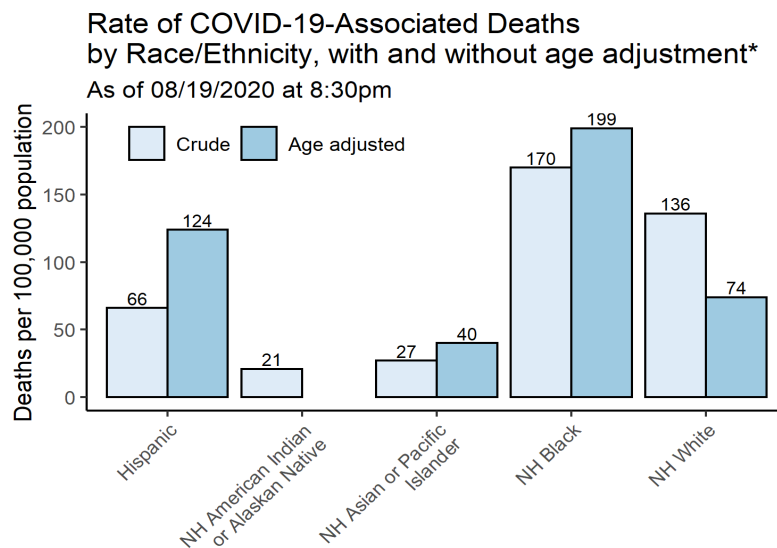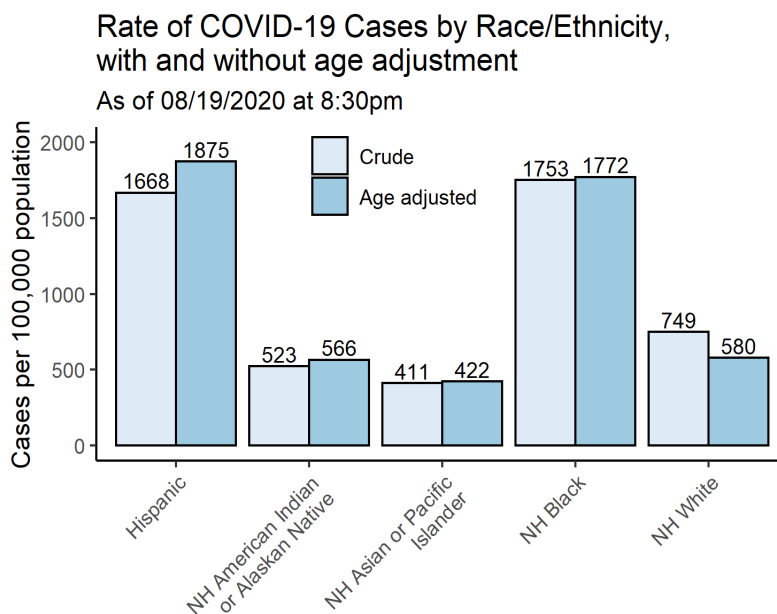All data are preliminary and subject to change. Updated 8/20/2020.
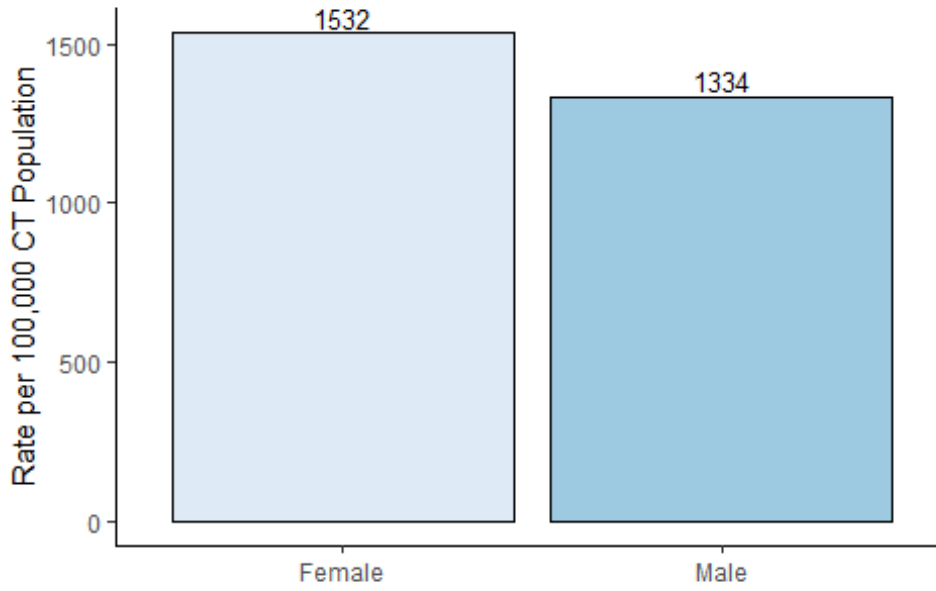
APPENDIX C. The following graphs show the number of cases and deaths by race and ethnicity. *Categories are mutually exclusive. The category "multiracial" includes people who answered 'yes' to more than one race category. NH=Non-Hispanic*

Number of COVID-19 Cases by Race\Ethnicity
As of 08/19/2020 at 8:30pm

Number of COVID-19-Associated Deaths by Race\Ethnicity
As of 08/19/2020 at 8:30pm

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 08/19/2020 at 8:30pm

Rate of COVID-19-Associated Deaths by Race/Ethnicity, with and without age adjustment*
As of 08/19/2020 at 8:30pm

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

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All data are preliminary and subject to change. Updated 8/20/2020.