COVID-19 Update August 13, 2020

As of **August 12, 2020, at 8:30 PM**, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is **50782**, including **48774** laboratory-confirmed and **2008** probable cases. **Sixty-three** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **4450** 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	50782	+76
COVID-19-Associated Deaths	4450	+0
Patients Currently Hospitalized with COVID-19	63	+5
COVID-19 PCR Tests Reported	925327	+8045

**Includes confirmed plus probable cases

COVID-19 Cases and Associated Deaths by County of Residence
As of 08/12/20 8:30pm.

County	COVID-19 Cases		COVID-19-Associated Deaths	
	Confirmed	Probable	Confirmed	Probable
Fairfield County	17461	665	1098	312
Hartford County	12207	648	1096	320
Litchfield County	1554	66	118	21
Middlesex County	1348	63	154	38
New Haven County	12852	420	957	152
New London County	1410	65	78	26
Tolland County	995	61	51	14
Windham County	741	10	14	1
Pending address validation	206	10	0	0
Total	**48774**	**2008**	**3566**	**884**

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 8/13/2020.
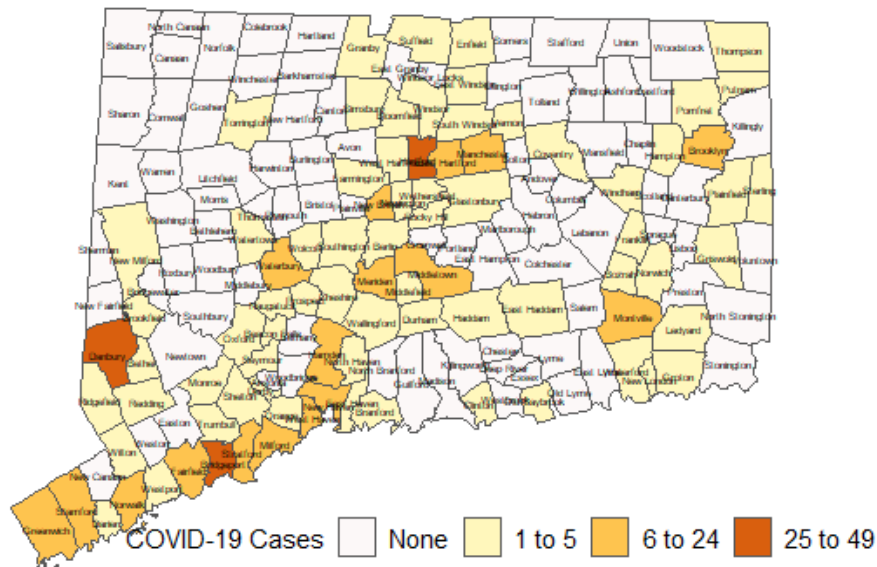
COVID-19 Cases and Deaths Over Time

New Cases during August 2–August 8, 2020

Among 67,478 PCR tests for COVID-19 with specimen collection date during August 2–8ᵗʰ, 635 test results were positive. There were 476 people who tested positive for the first time or had onset of symptoms during August 2–8ᵗʰ. Of these 476 people, 441 (93%) cases were among people who reside in community settings and 35 (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 441 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.

Map does not include 1 case pending address validation

All data are preliminary and subject to change. Updated 8/13/2020.

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 2-8
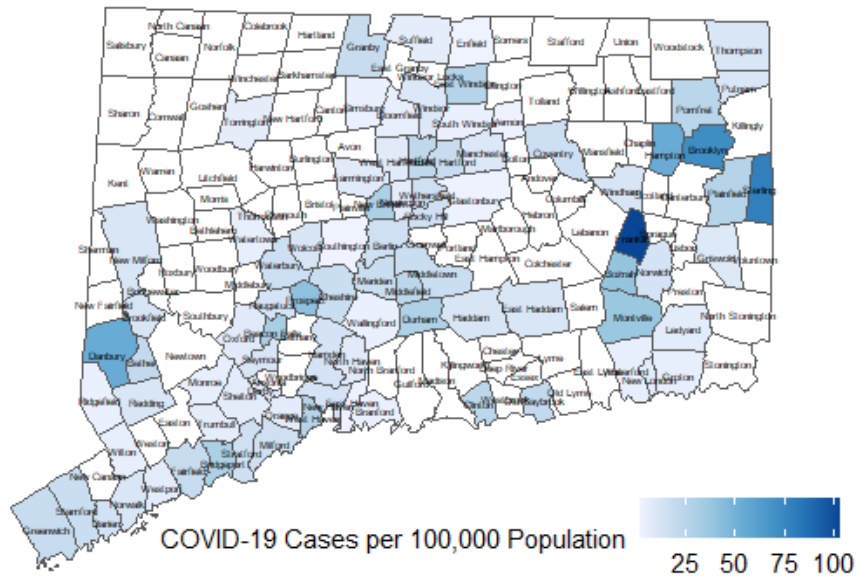
Map does not include 1 case pending address validation

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 2–8, 2020
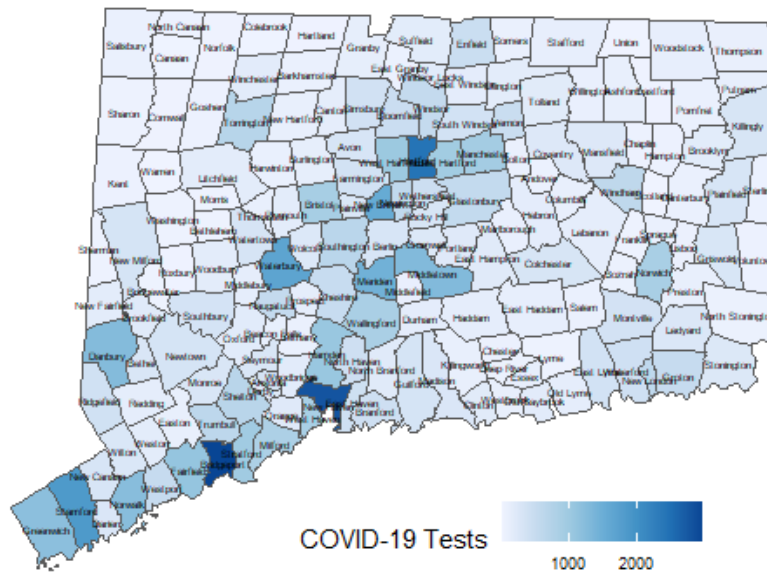
Table does not include 1 case pending address validation. Rate is cases per 100,000 population.

Town	Pop	Cases	Weekly Rate	Town	Pop	Cases	Weekly Rate	Town	Pop	Cases	Weekly Rate
Andover	3231	0	0	Groton	38692	<5	5	Prospect	9790	<5	41
Ansonia	18721	0	0	Guilford	22216	0	0	Putnam	9395	<5	11
Ashford	4261	0	0	Haddam	8222	<5	12	Redding	9125	<5	11
Avon	18302	0	0	Hamden	60940	8	13	Ridgefield	25008	<5	4
Barkhamsted	3624	0	0	Hampton	1853	<5	54	Rocky Hill	20145	<5	15
Beacon Falls	6182	<5	32	Hartford	122587	27	22	Roxbury	2160	0	0
Berlin	20432	<5	15	Hartland	2120	0	0	Salem	4123	0	0
Bethany	5479	0	0	Harwinton	5430	0	0	Salisbury	3598	0	0
Bethel	19714	<5	20	Hebron	9482	0	0	Scotland	1685	0	0
Bethlehem	3422	0	0	Kent	2785	0	0	Seymour	16509	<5	12
Bloomfield	21301	<5	5	Killingly	17287	0	0	Sharon	2703	0	0
Bolton	4890	0	0	Killingworth	6370	0	0	Shelton	41097	<5	7
Bozrah	2537	<5	39	Lebanon	7207	0	0	Sherman	3614	0	0
Branford	28005	<5	4	Ledyard	14736	<5	7	Simsbury	24979	<5	4
Bridgeport	144900	43	30	Lisbon	4248	0	0	Somers	10834	0	0
Bridgewater	1641	0	0	Litchfield	8127	0	0	South Windsor	26054	<5	4
Bristol	60032	0	0	Lyme	2338	0	0	Southbury	19656	0	0
Brookfield	17002	<5	12	Madison	18106	0	0	Southington	43807	<5	2
Brooklyn	8280	6	72	Manchester	57699	6	10	Sprague	2889	0	0
Burlington	9665	0	0	Mansfield	25817	0	0	Stafford	11884	0	0
Canaan	1055	0	0	Marlborough	6358	0	0	Stamford	129775	22	17
Canterbury	5100	0	0	Meriden	59540	10	17	Sterling	3780	<5	79
Canton	10270	0	0	Middlebury	7731	0	0	Stonington	18449	0	0
Chaplin	2256	0	0	Middlefield	4380	<5	23	Stratford	51967	8	15
Cheshire	29179	5	17	Middletown	46146	8	17	Suffield	15743	<5	6
Chester	4229	0	0	Milford	54661	8	15	Thomaston	7560	0	0
Clinton	12950	<5	23	Monroe	19470	<5	5	Thompson	9395	<5	11
Colchester	15936	0	0	Montville	18716	7	37	Tolland	14655	0	0
Colebrook	1405	0	0	Morris	2262	0	0	Torrington	34228	<5	6
Columbia	5385	0	0	Naugatuck	31288	<5	13	Trumbull	35802	<5	6
Cornwall	1368	0	0	New Britain	72453	22	30	Union	840	0	0
Coventry	12414	<5	16	New Canaan	20213	0	0	Vernon	29303	<5	3
Cromwell	13905	0	0	New Fairfield	13877	0	0	Voluntown	2535	0	0
Danbury	84730	46	54	New Hartford	6685	0	0	Wallingford	44535	<5	4
Darien	21753	<5	14	New Haven	130418	17	13	Warren	1399	0	0
Deep River	4463	0	0	New London	26939	<5	7	Washington	3434	0	0
Derby	12515	<5	8	New Milford	26974	<5	11	Waterbury	108093	17	16
Durham	7195	<5	28	Newington	30112	<5	7	Waterford	18887	<5	5
East Granby	5147	0	0	Newtown	27774	0	0	Watertown	21641	<5	5
East Haddam	8988	<5	11	Norfolk	1640	0	0	West Hartford	62939	5	8
East Hampton	12854	0	0	North Branford	14158	0	0	West Haven	54879	14	26
East Hartford	49998	9	18	North Canaan	3254	0	0	Westbrook	6914	0	0
East Haven	28699	<5	3	North Haven	23691	<5	8	Weston	10247	0	0
East Lyme	18645	0	0	North Stonington	5243	0	0	Westport	28115	<5	7
East Windsor	11375	<5	26	Norwalk	89047	10	11	Wethersfield	26082	<5	15
Eastford	1790	0	0	Norwich	39136	5	13	Willington	5887	0	0
Easton	7517	0	0	Old Lyme	7366	0	0	Wilton	18397	<5	5
Ellington	16299	0	0	Old Saybrook	10087	<5	20	Winchester	10655	0	0
Enfield	44466	<5	2	Orange	13949	<5	7	Windham	24706	<5	12
Essex	6674	0	0	Oxford	13226	<5	8	Windsor	28760	<5	10
Fairfield	61952	11	18	Plainfield	15173	<5	26	Windsor Locks	12876	0	0
Farmington	25506	<5	8	Plainville	17623	0	0	Wolcott	16649	<5	12
Franklin	1933	<5	103	Plymouth	11645	0	0	Woodbridge	8805	0	0
Glastonbury	34491	<5	3	Pomfret	4204	<5	24	Woodbury	9537	0	0
Goshen	2879	0	0	Portland	9305	0	0	Woodstock	7862	0	0
Granby	11375	<5	18	Preston	4638	0	0				
Greenwich	62727	11	18								
Griswold	11591	<5	9								

All data are preliminary and subject to change. Updated 8/13/2020.

COVID-19 PCR Tests during August 2–8, 2020

Among 67,478 PCR tests for COVID-19 with specimen collection date during August 2–8th, 61,594 (91%) tests were conducted among people who did not reside in congregate settings (including nursing homes, assisted living, and correctional facilities). Of these 61,594 tests, 578 (1%) were positive. The map below shows the number of PCR COVID-19 tests by town with specimen collection date during August 2–8th 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 2-8

Map does not include 2727 tests pending address validation

All data are preliminary and subject to change. Updated 8/13/2020.

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.
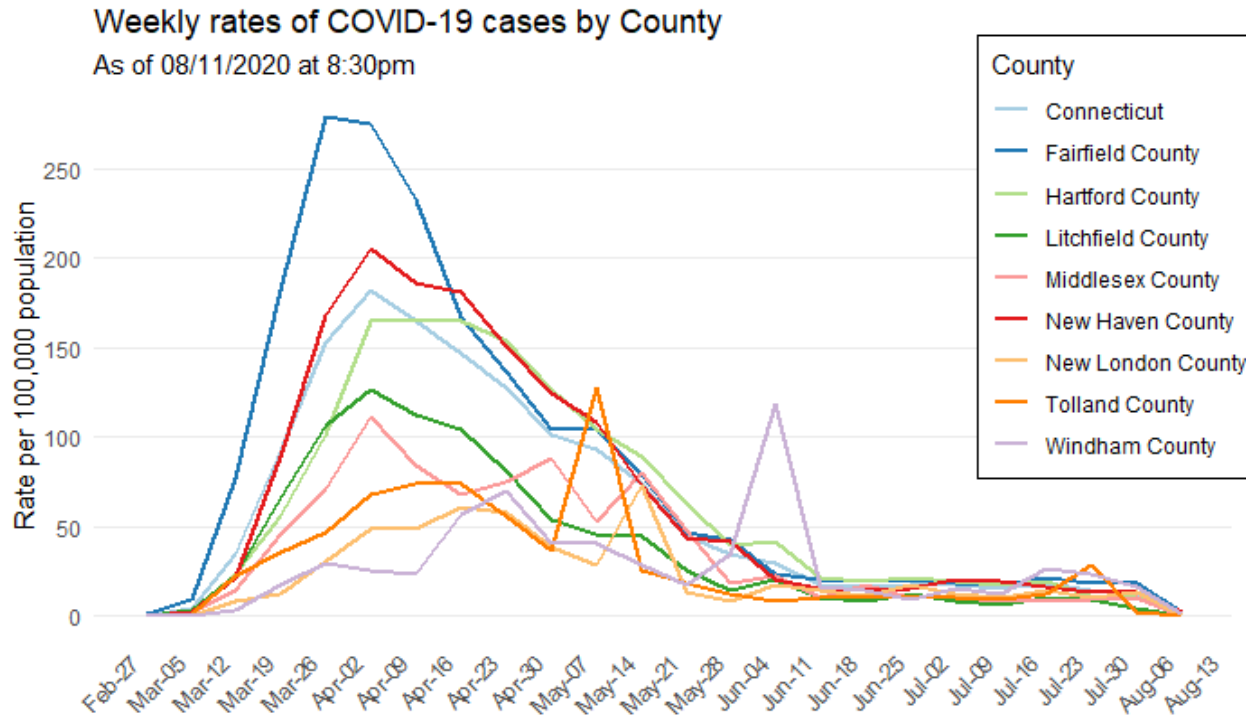

Notes: Incidence rates are based on weekly cases divided by the estimated annual population and multiplied by 100,000. Cases pending address validation are excluded from rate calculations.

Age Distribution of COVID-19 Cases with Specimen Collection or Onset During August 2–8, 2020

Number of New COVID-19 Cases by Age Group with Collection or Onset during August 2-8
As of 08/12/2020 at 8:30pm
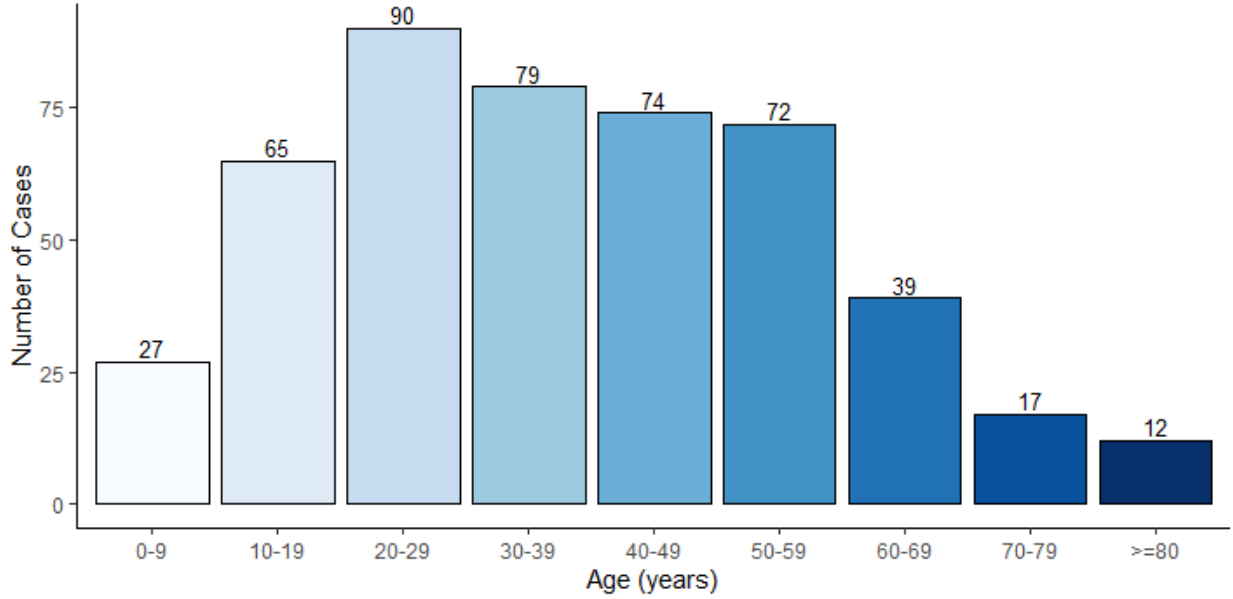
Rate of COVID-19 Cases by Age Group with Collection or Onset during August 2-8
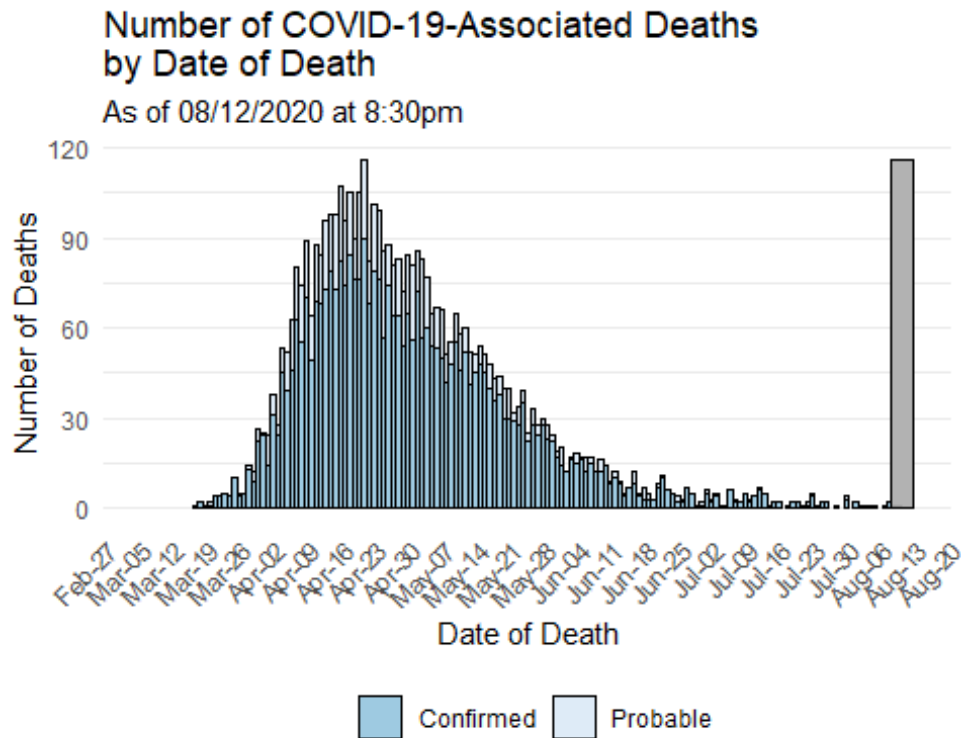### As of 08/12/2020 at 8:30pm
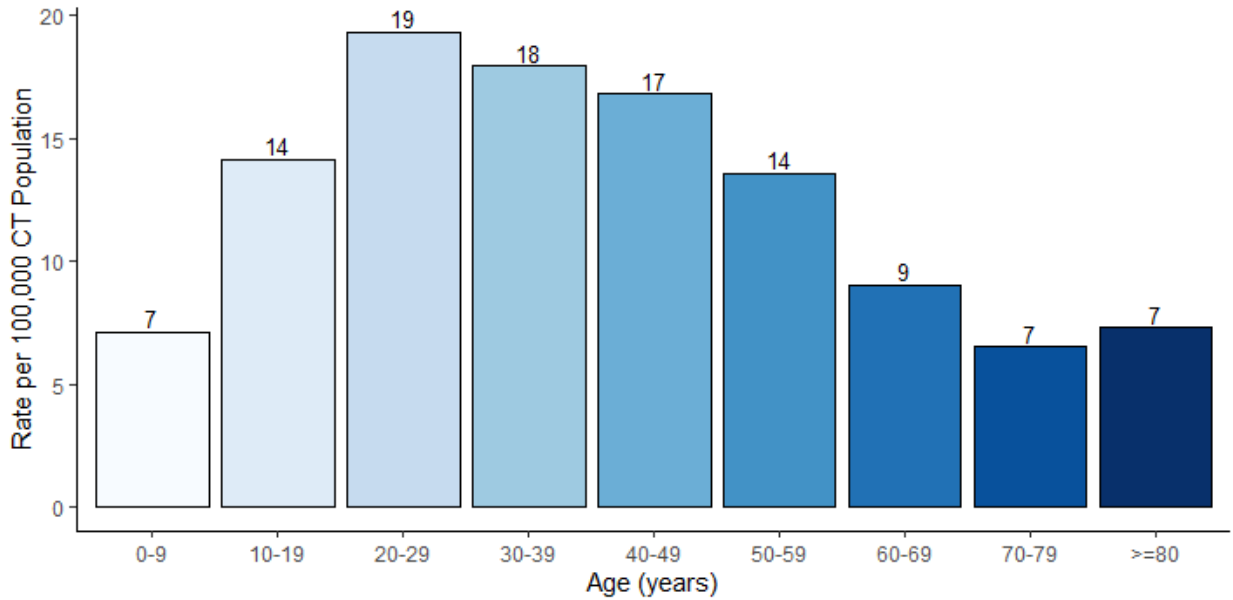
Weekly Incidence by Age Group

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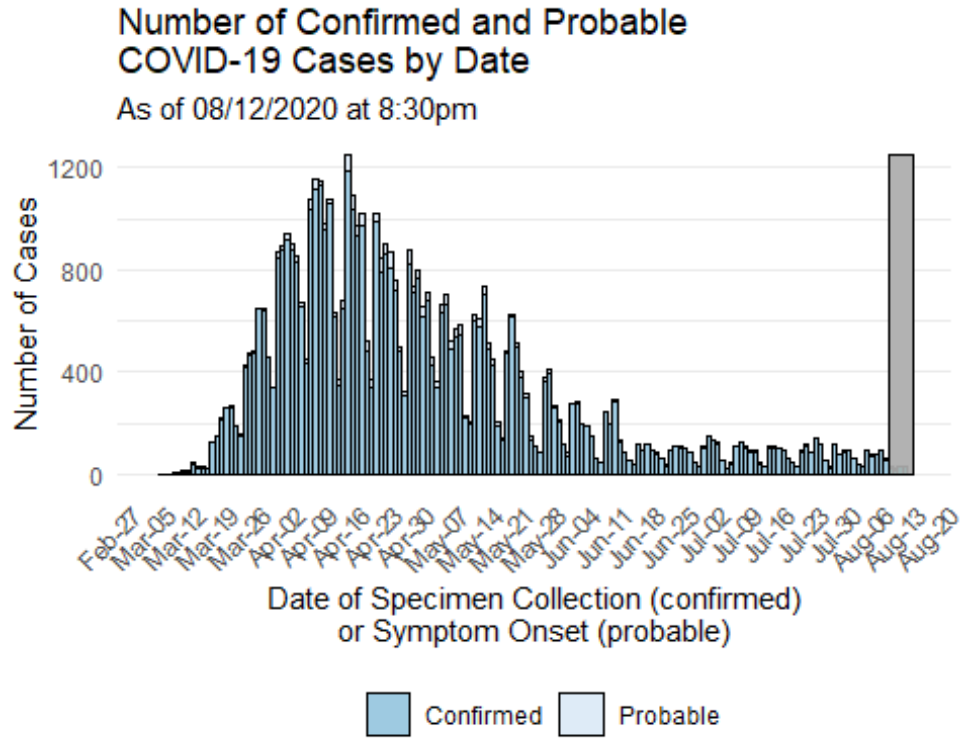
Weekly rates of COVID-19 cases by age group
As of 8/5/2020 at 8:30 PM

All data are preliminary and subject to change. Updated 8/13/2020.
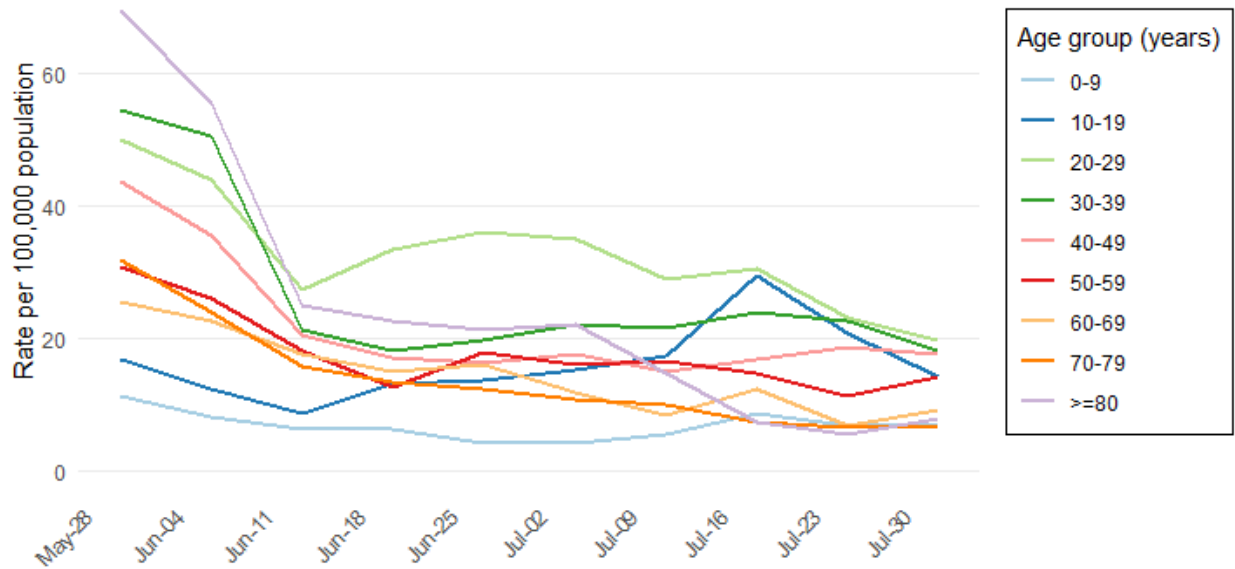
Test results may be reported several days after the result. Data are incomplete for most recent dates shaded in grey. Data from previous dates are routinely updated.

Number of Confirmed and Probable COVID-19 Cases by Date

As of 08/12/2020 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 08/12/2020 at 8:30pm

Date of Death

Confirmed   Probable

All data are preliminary and subject to change. Updated 8/13/2020.

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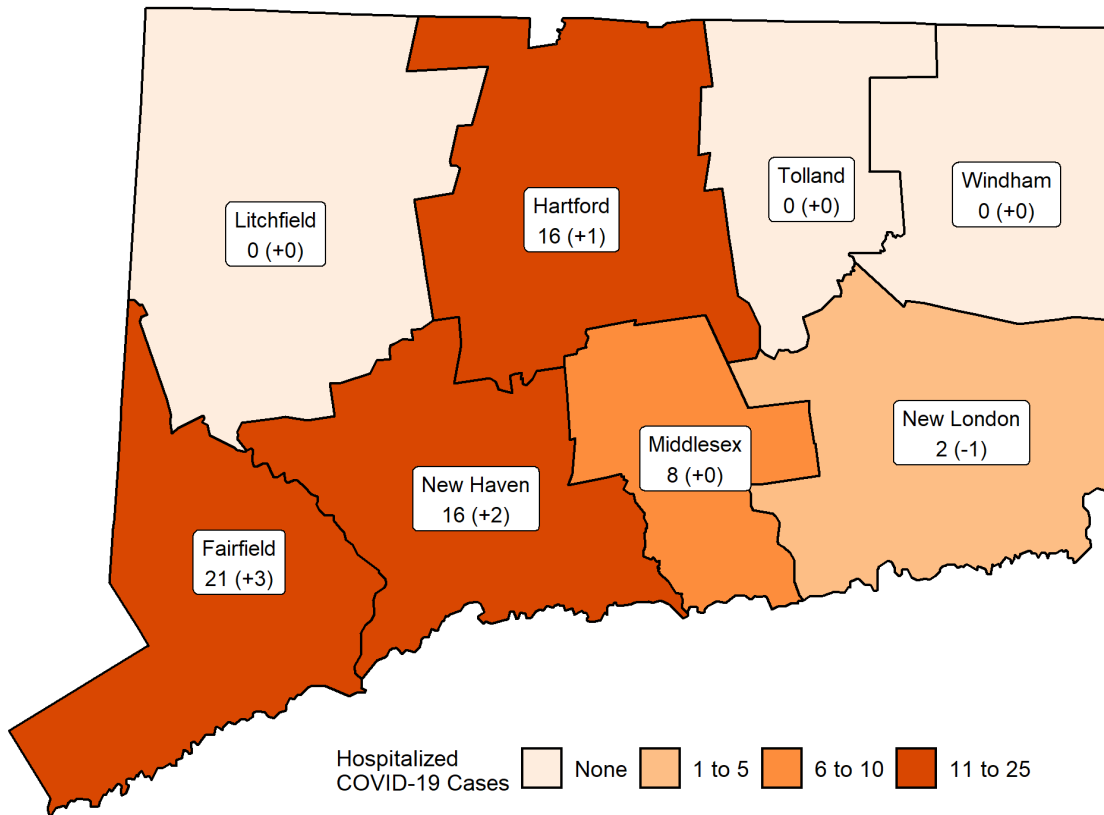
More information about hospitalized cases of COVID-19 in New Haven and Middlesex Counties is available from COVID-NET.

All data are preliminary and subject to change. Updated 8/13/2020.

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, **11015** patients have been hospitalized with laboratory-confirmed COVID-19 in Connecticut and **8809** patients hospitalized with laboratory-confirmed have been discharged.

Cumulative hospitalizations and hospital discharges
As of 08/12/2020 at 8:30pm

All data are preliminary and subject to change. Updated 8/13/2020.
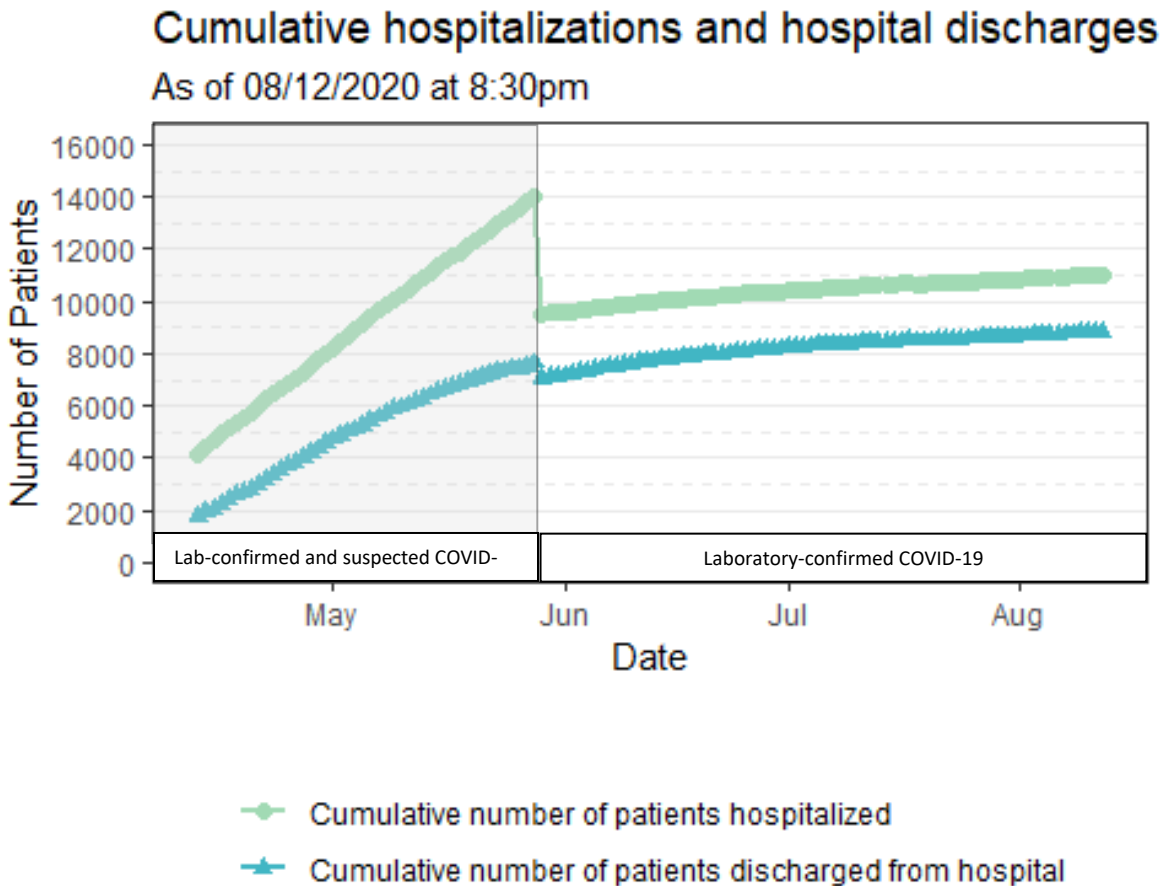
Laboratory Surveillance

To date, DPH has received reports on a total of 925327 COVID-19 laboratory tests; of these 795481 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
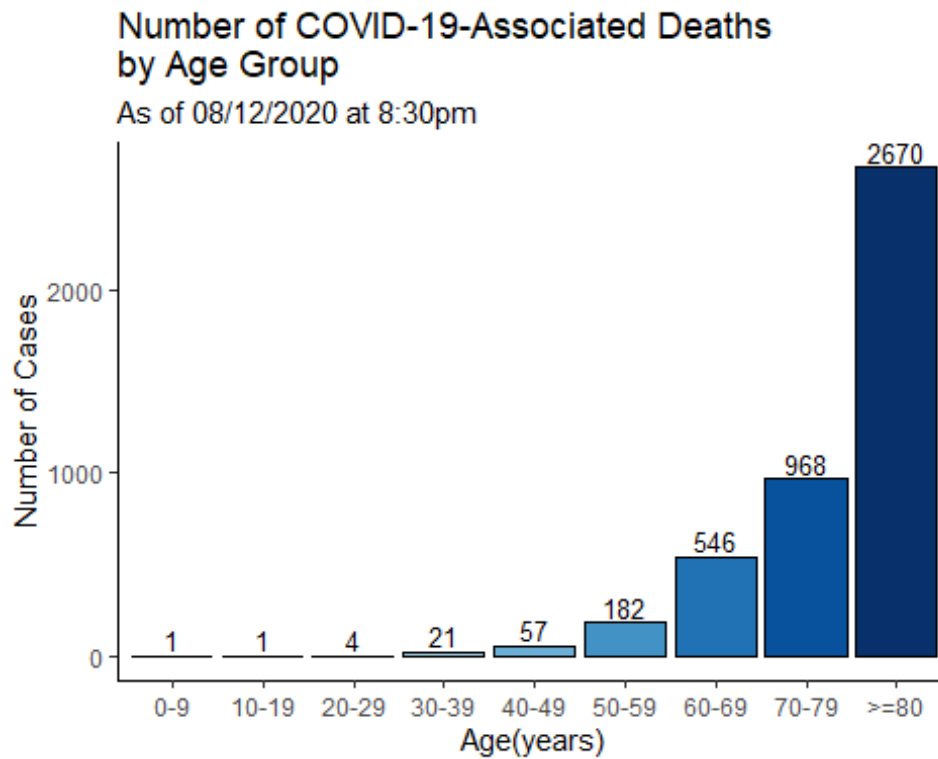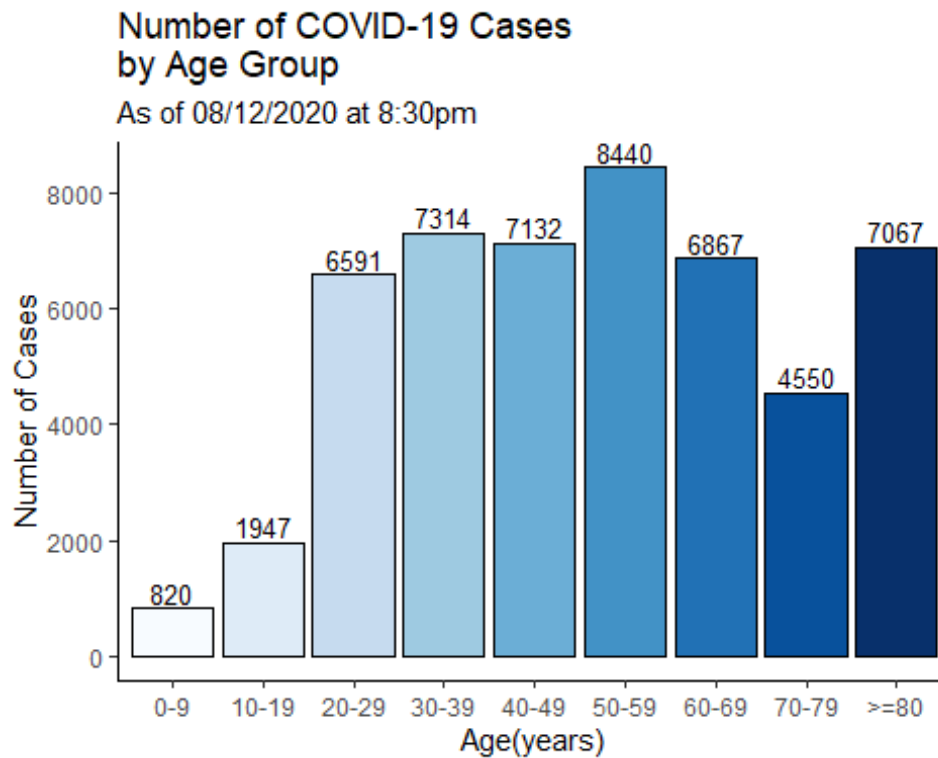As of 08/12/2020 at 8:30pm
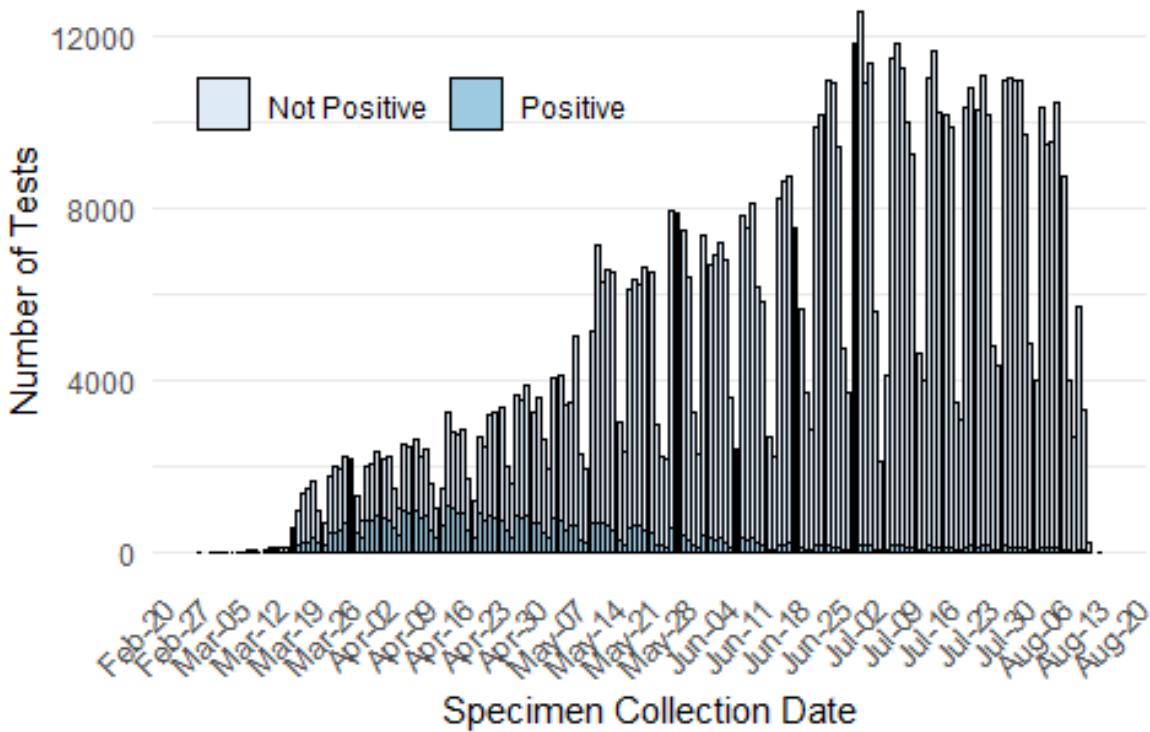
Testing of specimens collected since August 9 is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.

ELR = Electronic Laboratory Reporting

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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 08/12/2020 at 8:30pm

Age(years)	Number of Cases
0-9	820
10-19	1947
20-29	6591
30-39	7314
40-49	7132
50-59	8440
60-69	6867
70-79	4550
>=80	7067

Number of COVID-19-Associated Deaths by Age Group
As of 08/12/2020 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	968
>=80	2670

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

Number of COVID-19 Cases by Gender
As of 08/12/2020 at 8:30pm

Number of COVID-19-Associated Deaths by Gender
As of 08/12/2020 at 8:30pm
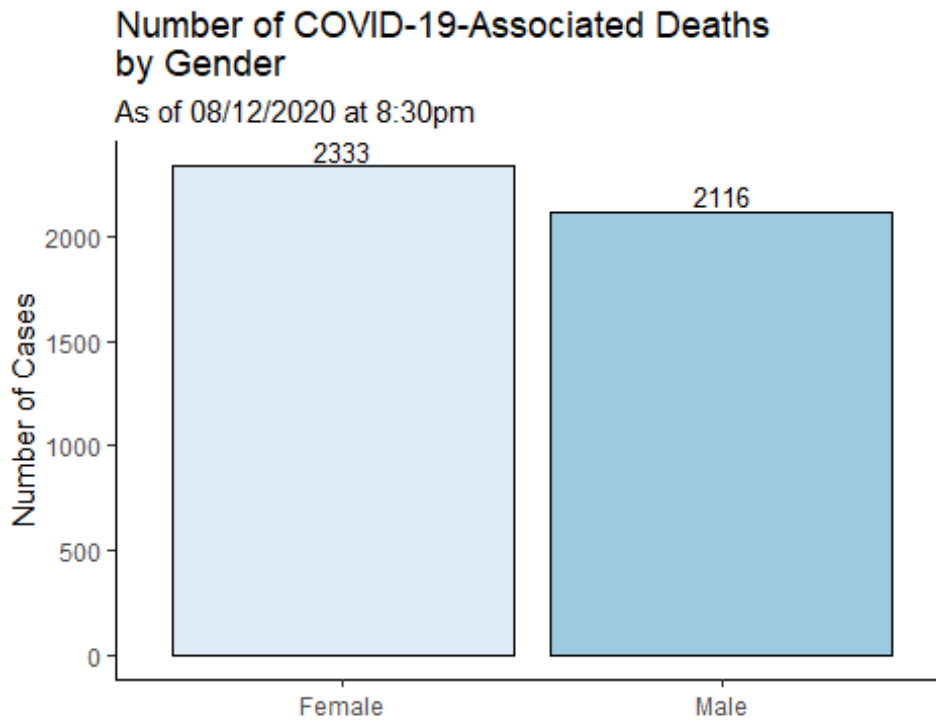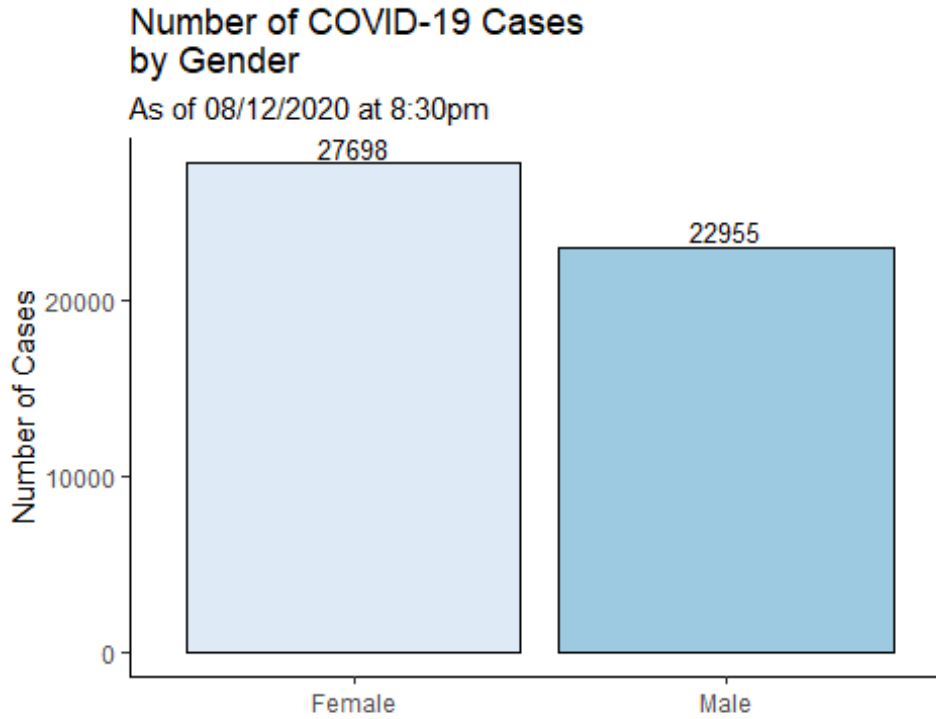
Cumulative Number of COVID-19 Cases by Town

Map does not include 206 cases pending address validation
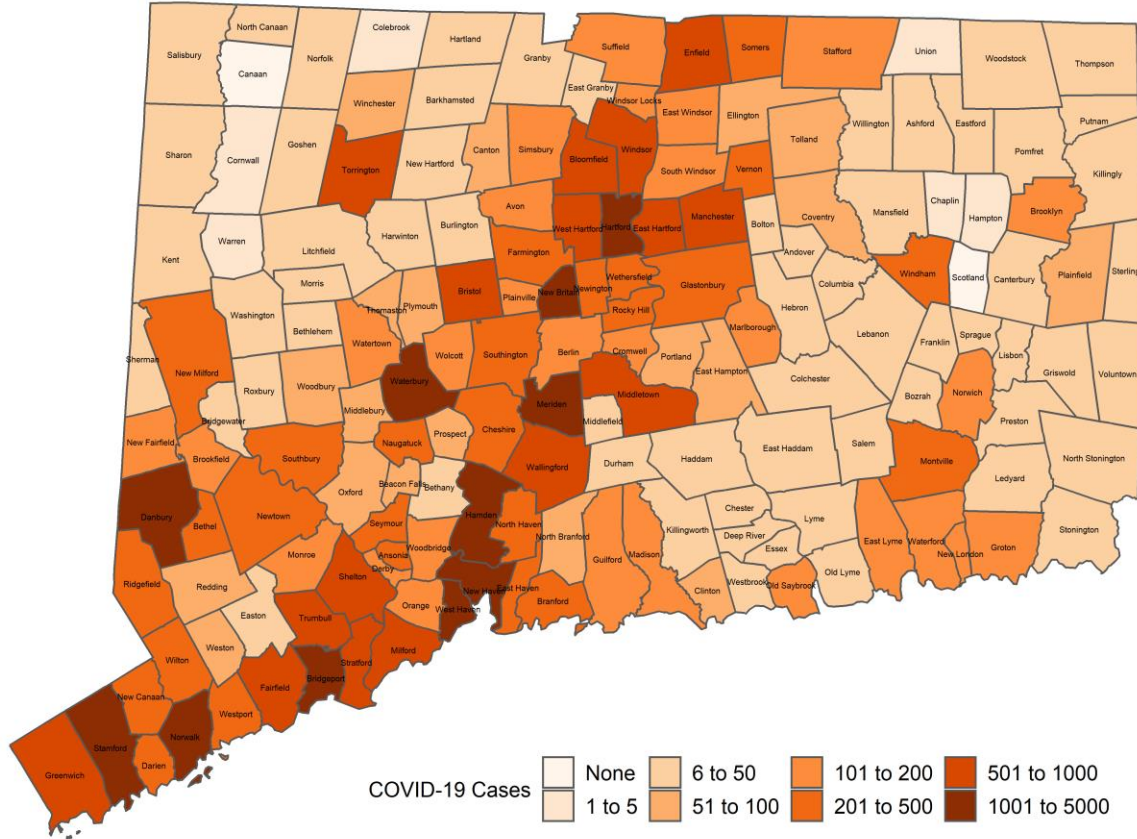
APPENDIX A. Cumulative Number of COVID-19 Cases by Town

*Table does not include 206 cases pending address validation*

Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	9	0	Griswold	38	2	Prospect	72	1
Ansonia	291	7	Groton	143	13	Putnam	34	1
Ashford	22	1	Guilford	106	5	Redding	73	6
Avon	140	10	Haddam	35	1	Ridgefield	226	12
Barkhamsted	31	1	Hamden	1039	39	Rocky Hill	425	18
Beacon Falls	60	0	Hampton	3	0	Roxbury	6	3
Berlin	178	8	Hartford	2756	127	Salem	13	0
Bethany	38	0	Hartland	6	0	Salisbury	17	0
Bethel	271	15	Harwinton	31	4	Scotland	0	0
Bethlehem	12	1	Hebron	31	2	Seymour	235	11
Bloomfield	518	29	Kent	10	1	Sharon	15	0
Bolton	22	1	Killingly	41	4	Shelton	640	39
Bozrah	12	0	Killingworth	16	0	Sherman	15	2
Branford	350	12	Lebanon	27	0	Simsbury	127	13
Bridgeport	3857	117	Ledyard	30	0	Somers	293	20
Bridgewater	11	0	Lisbon	11	0	South Windsor	157	15
Bristol	636	18	Litchfield	46	1	Southbury	198	5
Brookfield	172	5	Lyme	6	0	Southington	349	13
Brooklyn	137	1	Madison	153	7	Sprague	6	0
Burlington	35	1	Manchester	750	60	Stafford	118	8
Canaan	0	0	Mansfield	43	2	Stamford	3388	76
Canterbury	18	1	Marlborough	98	4	Sterling	6	0
Canton	86	9	Meriden	972	35	Stonington	31	5
Chaplin	4	0	Middlebury	47	4	Stratford	870	39
Cheshire	224	8	Middlefield	20	0	Suffield	150	15
Chester	45	1	Middletown	635	25	Thomaston	63	2
Clinton	64	4	Milford	691	25	Thompson	43	1
Colchester	42	3	Monroe	134	5	Tolland	46	8
Colebrook	5	0	Montville	316	9	Torrington	561	23
Columbia	29	0	Morris	15	0	Trumbull	536	49
Cornwall	5	0	Naugatuck	418	11	Union	4	1
Coventry	52	4	New Britain	1214	53	Vernon	256	11
Cromwell	129	14	New Canaan	198	3	Voluntown	11	0
Danbury	2185	77	New Fairfield	117	3	Wallingford	510	10
Darien	236	7	New Hartford	32	0	Warren	5	0
Deep River	15	2	New Haven	2808	57	Washington	23	1
Derby	174	0	New London	191	6	Waterbury	2110	91
Durham	45	3	New Milford	301	10	Waterford	176	8
East Granby	12	0	Newington	396	20	Watertown	151	9
East Haddam	21	0	Newtown	244	14	West Hartford	739	60
East Hampton	51	4	Norfolk	13	1	West Haven	1087	40
East Hartford	918	56	North Branford	88	4	Westbrook	36	0
East Haven	420	23	North Canaan	7	1	Weston	72	3
East Lyme	151	11	North Haven	281	4	Westport	319	15
East Windsor	161	14	North Stonington	14	1	Wethersfield	270	6
Eastford	12	0	Norwalk	2092	56	Willington	16	0
Easton	35	1	Norwich	134	7	Wilton	217	26
Ellington	76	4	Old Lyme	24	0	Winchester	56	1
Enfield	661	14	Old Saybrook	113	5	Windham	315	0
Essex	48	0	Orange	133	4	Windsor	560	44
Fairfield	674	53	Oxford	85	4	Windsor Locks	130	6
Farmington	227	8	Plainfield	56	1	Wolcott	122	6
Franklin	11	0	Plainville	178	2	Woodbridge	140	7
Glastonbury	298	23	Plymouth	72	5	Woodbury	54	1
Goshen	12	1	Pomfret	19	0	Woodstock	31	0
Granby	32	2	Portland	75	4			
Greenwich	890	42	Preston	23	0			

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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
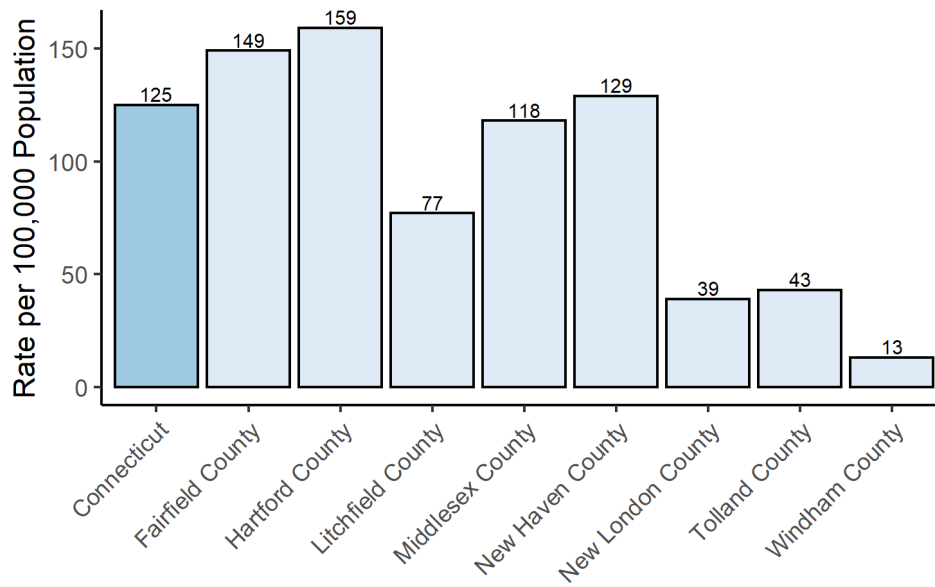
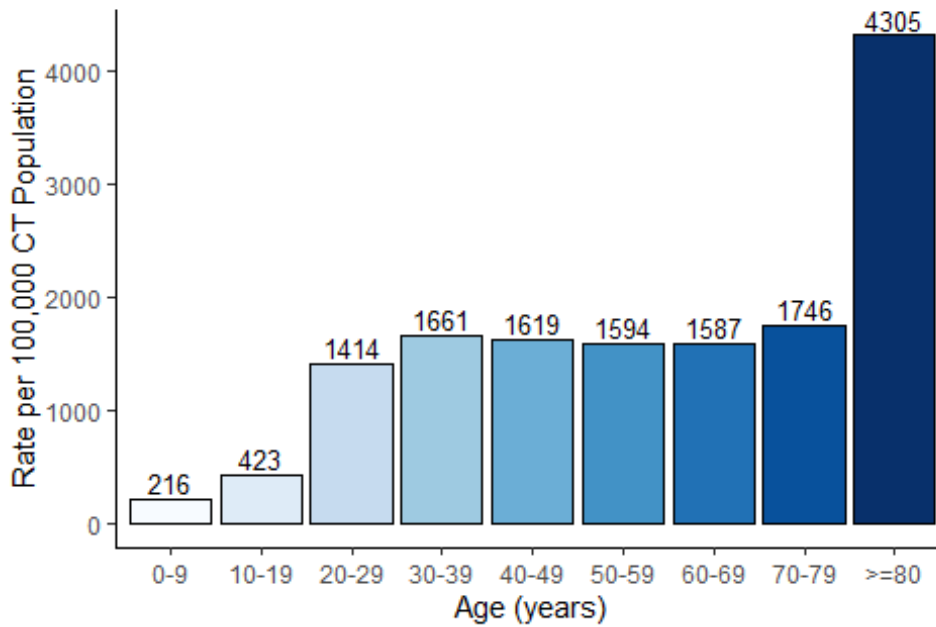## Rate of COVID-19 Cases Statewide and by County

As of 08/12/2020 at 8:30pm
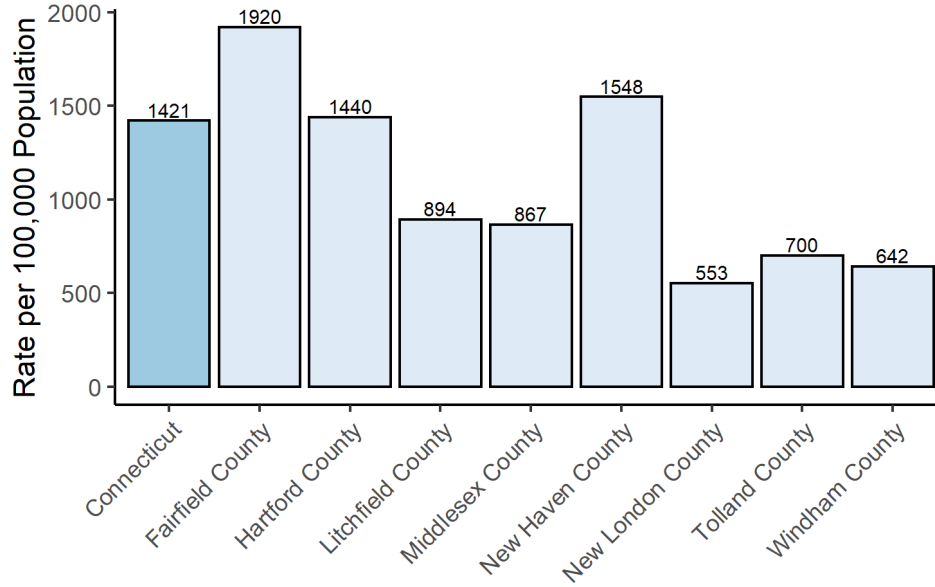
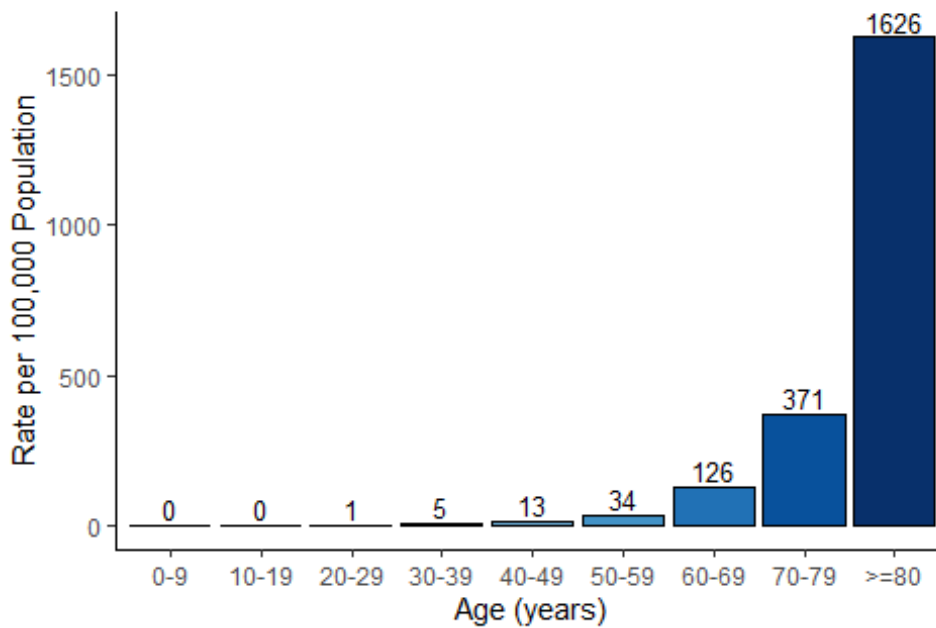## Rate of COVID-19-Associated Deaths Statewide and by County

As of 08/12/2020 at 8:30pm

All data are preliminary and subject to change. Updated 8/13/2020.

Rate of COVID-19 Cases
by Age Group
As of 08/12/2020 at 8:30pm

Rate of COVID-19-Associated Deaths
by Age Group
As of 08/12/2020 at 8:30pm

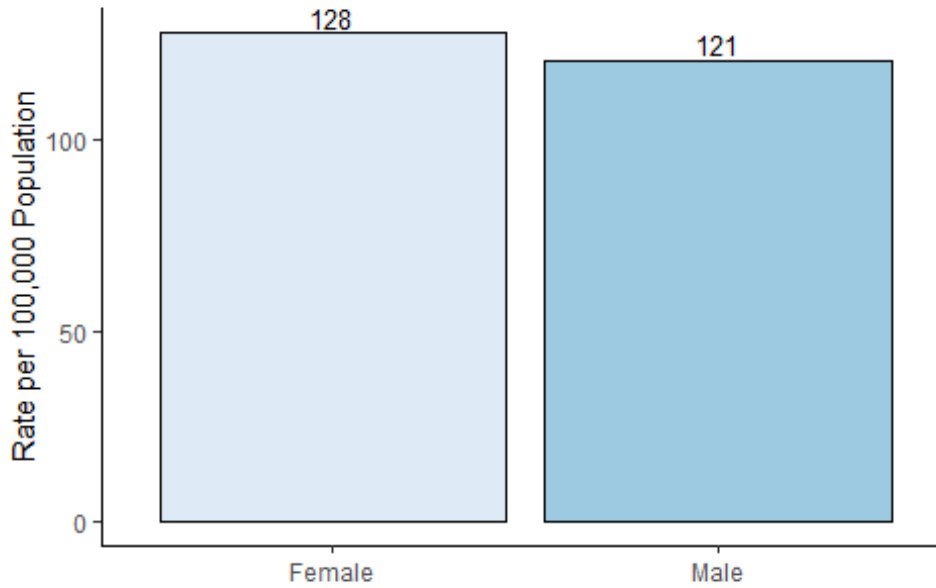## Rate of COVID-19 Cases by Gender

As of 08/12/2020 at 8:30pm
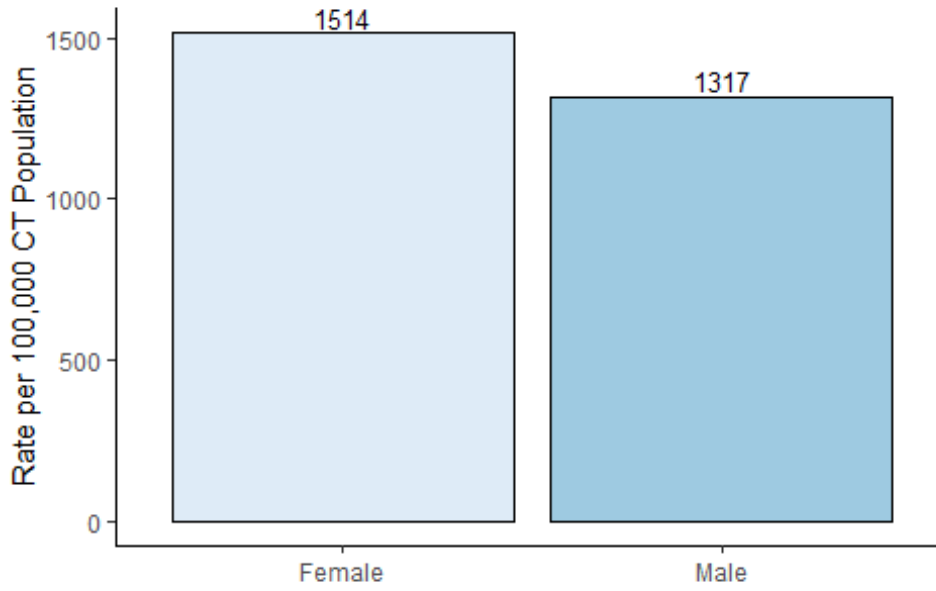
Rate of COVID-19-Associated Deaths by Gender
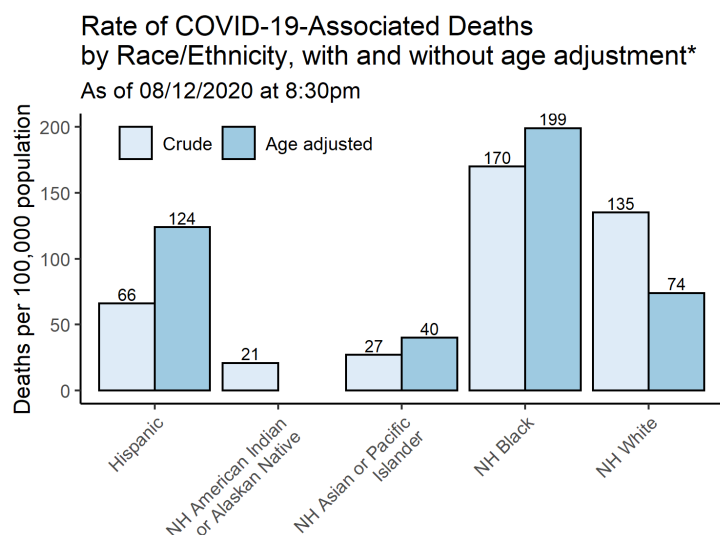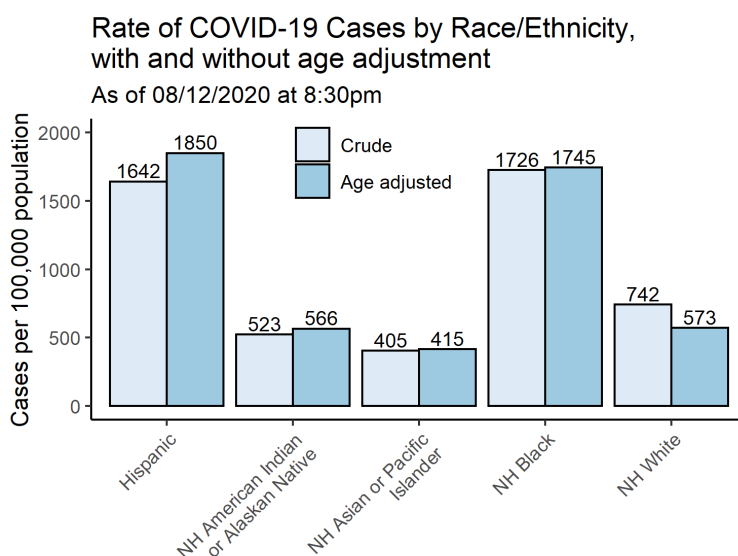
As of 08/12/2020 at 8:30pm

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 08/12/2020 at 8:30pm

Number of COVID-19-Associated Deaths by Race\Ethnicity
As of 08/12/2020 at 8:30pm
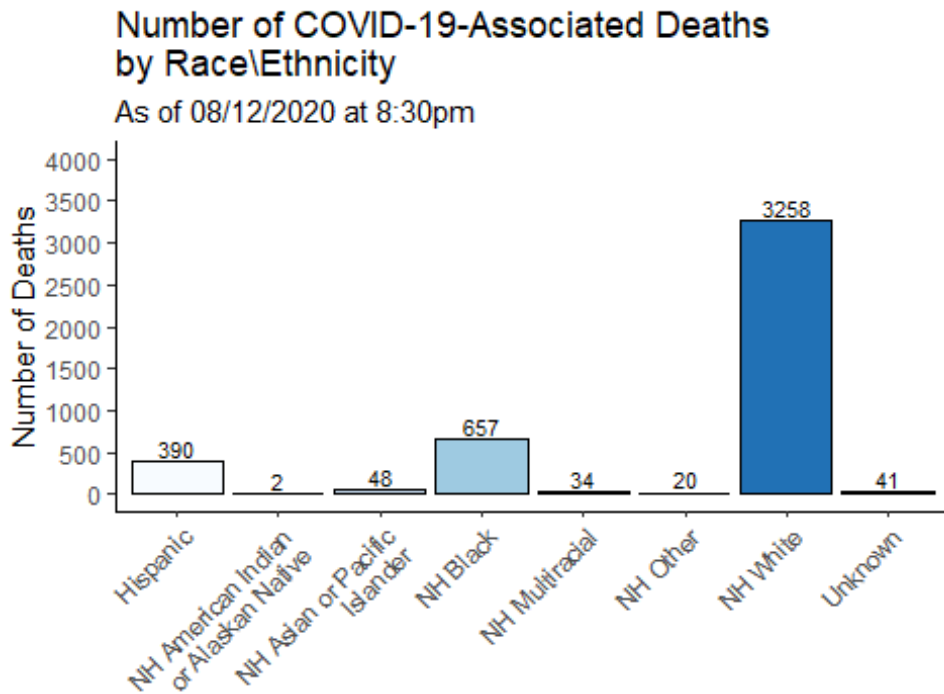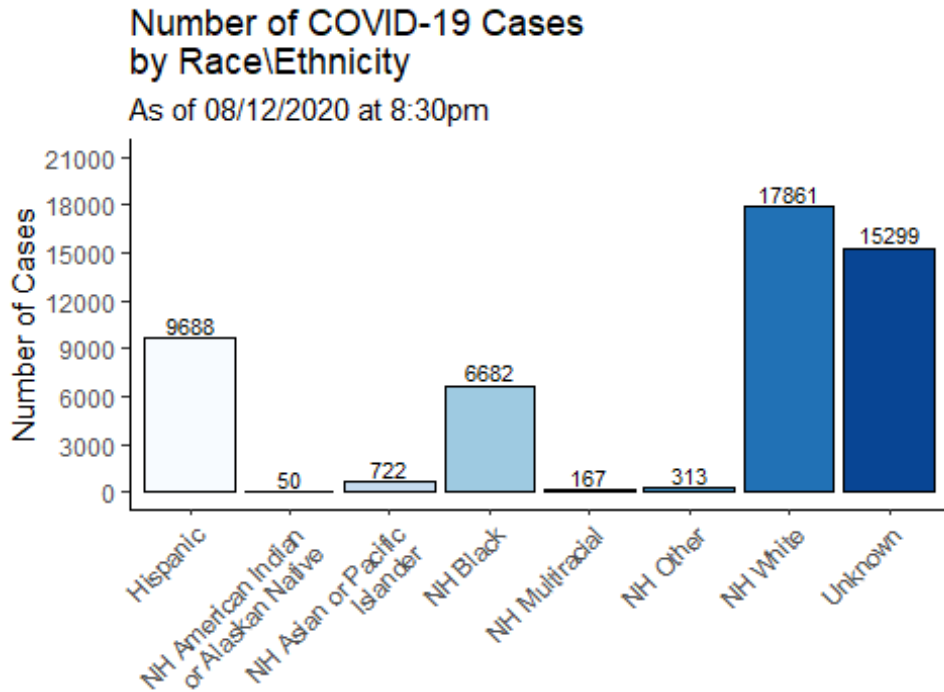
The following graphs show the number of COVID-19 cases and COVID-19-associated deaths per 100,000 population by race and ethnicity. Crude rates represent the total cases or deaths per 100,000 people. Age-adjusted rates consider the age of the person at diagnosis or death when estimating the rate and 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 08/12/2020 at 8:30pm

Rate of COVID-19-Associated Deaths by Race/Ethnicity, with and without age adjustment*
As of 08/12/2020 at 8:30pm

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

All data are preliminary and subject to change. Updated 8/13/2020.