COVID-19 Update September 10, 2020

As of **September 09, 2020, at 8:30 PM**, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is **54093**, including **51877** laboratory-confirmed and **2216** probable cases. **Fifty-two** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **4478** 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	54093	+222
COVID-19-Associated Deaths	4478	+4
Patients Currently Hospitalized with COVID-19	52	-5
COVID-19 PCR Tests Reported	1307244	+16602

**Includes confirmed plus probable cases

COVID-19 Cases and Associated Deaths by County of Residence
As of 09/09/20 8:30pm.

County	COVID-19 Cases		COVID-19-Associated Deaths	
	Confirmed	Probable	Confirmed	Probable
Fairfield County	18495	765	1103	314
Hartford County	13186	667	1109	321
Litchfield County	1684	79	119	20
Middlesex County	1440	65	155	38
New Haven County	13445	472	960	150
New London County	1581	68	82	27
Tolland County	1128	87	51	14
Windham County	818	10	14	1
Pending address validation	*100*	*3*	*0*	*0*
Total	**51877**	**2216**	**3593**	**885**

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.
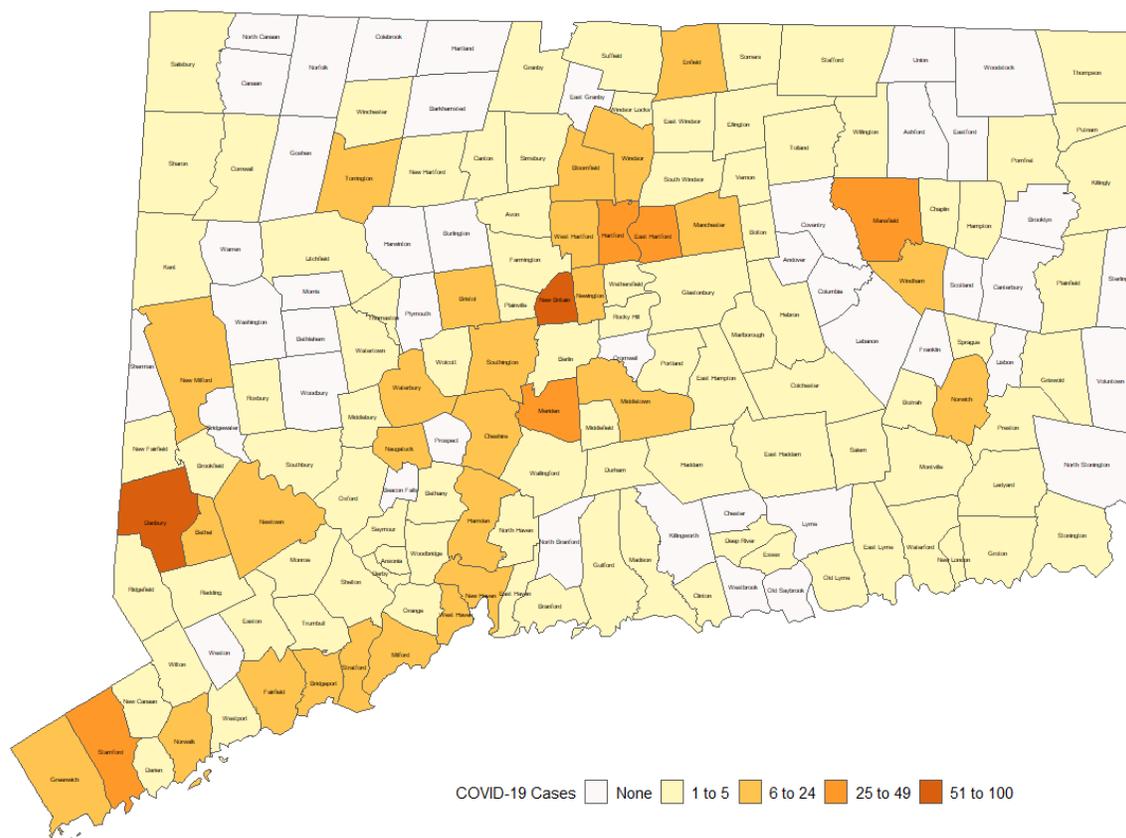
COVID-19 Cases and Deaths Over Time

New Cases during August 30–September 5, 2020

Among 97,276 PCR tests for COVID-19 with specimen collection date during August 30–September 5, 963 test results were positive. There were 835 people who tested positive for the first time or had onset of symptoms during August 30–September 5. Of these 835 people, 812 (97%) cases were among people who reside in community settings and 23 (3%) 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 812 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 30-September 5

Map does not include 3 cases pending address validation.

All data are preliminary and subject to change.

Average Daily 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 30-September 5

Map does not include 3 cases pending address validation.

All data are preliminary and subject to change.
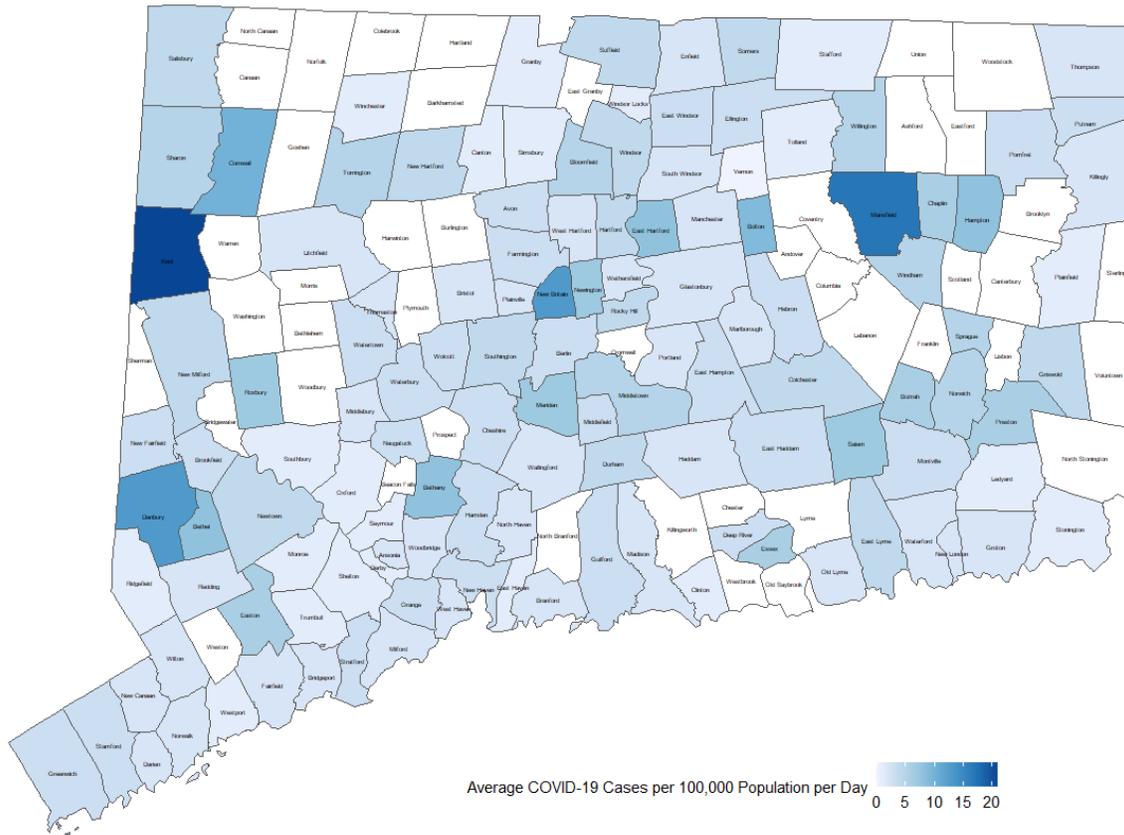
Population, Number and Average Daily Rate of COVID-19 Cases among Persons Living in Community Settings by Town with Specimen Collection or Onset Date during August 30–September 5, 2020
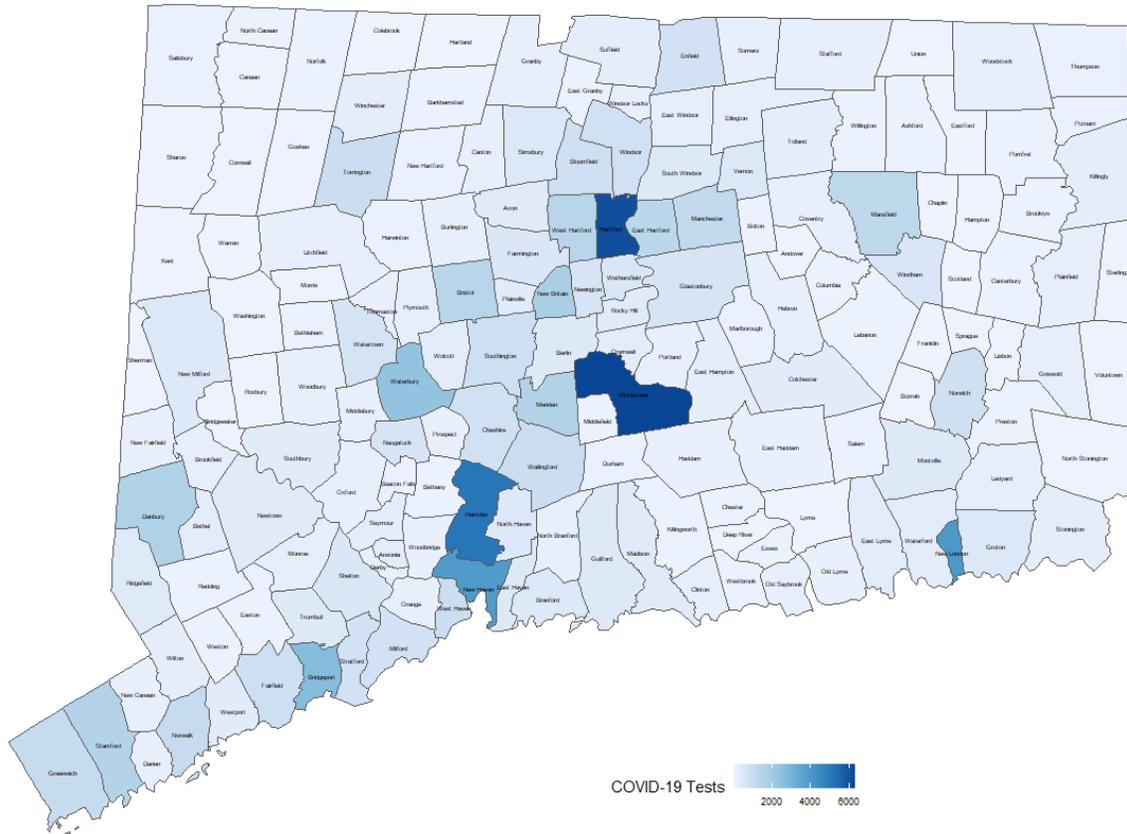*Table does not include 3 cases pending address validation. Daily rate is average number of cases per day per 100,000 population.*

Town	Pop	Cases	Rate	Town	Pop	Cases	Rate	Town	Pop	Cases	Rate
Andover	3231	0	0	Groton	38692	5	2	Prospect	9790	0	0
Ansonia	18721	<5	2	Guilford	22216	5	3	Putnam	9395	<5	3
Ashford	4261	0	0	Haddam	8222	<5	2	Redding	9125	<5	2
Avon	18302	<5	3	Hamden	60940	13	3	Ridgefield	25008	<5	1
Barkhamsted	3624	0	0	Hampton	1853	<5	8	Rocky Hill	20145	5	4
Beacon Falls	6182	0	0	Hartford	122587	32	4	Roxbury	2160	<5	7
Berlin	20432	5	3	Hartland	2120	0	0	Salem	4123	<5	7
Bethany	5479	<5	8	Harwinton	5430	0	0	Salisbury	3598	<5	4
Bethel	19714	11	8	Hebron	9482	<5	3	Scotland	1685	0	0
Bethlehem	3422	0	0	Kent	2785	<5	21	Seymour	16509	<5	1
Bloomfield	21301	8	5	Killingly	17287	<5	2	Sharon	2703	<5	5
Bolton	4890	<5	9	Killingworth	6370	0	0	Shelton	41097	<5	1
Bozrah	2537	<5	6	Lebanon	7207	0	0	Sherman	3614	0	0
Branford	28005	<5	2	Ledyard	14736	<5	1	Simsbury	24979	<5	1
Bridgeport	144900	24	2	Lisbon	4248	0	0	Somers	10834	<5	4
Bridgewater	1641	0	0	Litchfield	8127	<5	2	South			
Bristol	60032	7	2	Lyme	2338	0	0	Windsor	26054	<5	2
Brookfield	17002	<5	3	Madison	18106	<5	2	Southbury	19656	<5	1
Brooklyn	8280	0	0	Manchester	57699	9	2	Southington	43807	12	4
Burlington	9665	0	0	Mansfield	25817	30	17	Sprague	2889	<5	5
Canaan	1055	0	0	Marlborough	6358	<5	2	Stafford	11884	<5	1
Canterbury	5100	0	0	Meriden	59540	30	7	Stamford	129775	29	3
Canton	10270	<5	1	Middlebury	7731	<5	2	Sterling	3780	0	0
Chaplin	2256	<5	6	Middlefield	4380	<5	3	Stonington	18449	<5	1
Cheshire	29179	6	3	Middletown	46146	16	5	Stratford	51967	12	3
Chester	4229	0	0	Milford	54661	6	2	Suffield	15743	<5	4
Clinton	12950	<5	1	Monroe	19470	<5	1	Thomaston	7560	<5	2
Colchester	15936	<5	4	Montville	18716	<5	3	Thompson	9395	<5	2
Colebrook	1405	0	0	Morris	2262	0	0	Tolland	14655	<5	1
Columbia	5385	0	0	Naugatuck	31288	6	3	Torrington	34228	13	5
Cornwall	1368	<5	10	New Britain	72453	67	13	Trumbull	35802	<5	1
Coventry	12414	0	0	New Canaan	20213	<5	2	Union	840	0	0
Cromwell	13905	0	0	New Fairfield	13877	<5	3	Vernon	29303	<5	0
Danbury	84730	77	13	New Hartford	6685	<5	4	Voluntown	2535	0	0
Darien	21753	<5	2	New Haven	130418	24	3	Wallingford	44535	5	2
Deep River	4463	<5	3	New London	26939	<5	2	Warren	1399	0	0
Derby	12515	<5	1	New Milford	26974	8	4	Washington	3434	0	0
Durham	7195	<5	4	Newington	30112	14	7	Waterbury	108093	23	3
East Granby	5147	0	0	Newtown	27774	7	4	Waterford	18887	<5	2
East Haddam	8988	<5	3	Norfolk	1640	0	0	Watertown	21641	5	3
East Hampton	12854	<5	3	North				West Hartford	62939	9	2
East Hartford	49998	29	8	Branford	14158	0	0	West Haven	54879	7	2
East Haven	28699	<5	1	North Canaan	3254	0	0	Westbrook	6914	0	0
East Lyme	18645	5	4	North Haven	23691	<5	2	Weston	10247	0	0
East Windsor	11375	<5	3	North				Westport	28115	<5	1
Eastford	1790	0	0	Stonington	5243	0	0	Wethersfield	26082	<5	2
Easton	7517	<5	6	Norwalk	89047	14	2	Willington	5887	<5	5
Ellington	16299	<5	3	Norwich	39136	14	5	Wilton	18397	<5	2
Enfield	44466	6	2	Old Lyme	7366	<5	2	Winchester	10655	<5	1
Essex	6674	<5	6	Old Saybrook	10087	0	0	Windham	24706	9	5
Fairfield	61952	9	2	Orange	13949	<5	3	Windsor	28760	9	4
Farmington	25506	5	3	Oxford	13226	<5	1	Windsor Locks	12876	<5	1
Franklin	1933	0	0	Plainfield	15173	<5	1	Wolcott	16649	<5	3
Glastonbury	34491	5	2	Plainville	17623	<5	2	Woodbridge	8805	<5	2
Goshen	2879	0	0	Plymouth	11645	0	0	Woodbury	9537	0	0
Granby	11375	<5	1	Pomfret	4204	<5	3	Woodstock	7862	0	0
Greenwich	62727	11	3	Portland	9305	<5	2				
Griswold	11591	<5	4	Preston	4638	<5	6				

All data are preliminary and subject to change.

COVID-19 PCR Tests during August 30–September 5, 2020

Among 97,276 PCR tests for COVID-19 with specimen collection date during August 30–September 5, 87,466 (90%) tests were conducted among people who did not reside in congregate settings (including nursing homes, assisted living, and correctional facilities). Of these 87,466 tests, 852 (1%) were positive. The map below shows the number of PCR COVID-19 tests by town with specimen collection date during August 30–September 5 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 30-September 5

Map does not include 2729 test results pending address validation.

All data are preliminary and subject to change.

Age Distribution of COVID-19 Cases with Specimen Collection or Onset During August 30–September 5, 2020

Number of New COVID-19 Cases by Age Group
with Collection or Onset during August 30-September 5
As of 09/09/2020 at 8:30PM
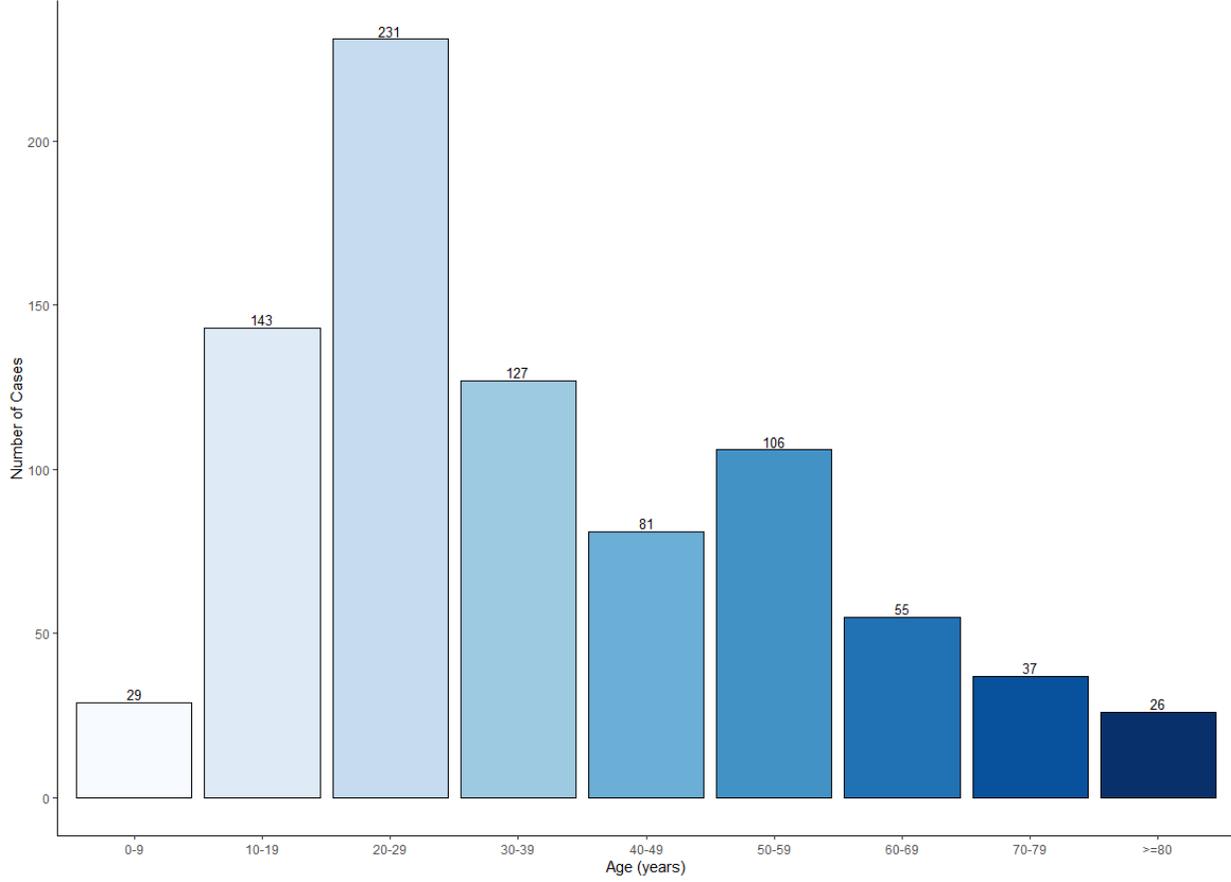
Average Daily Incidence by Age Group

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

Average daily rate of COVID-19 cases by age group and week
As of 8/26/2020 at 8:30 PM

All data are preliminary and subject to change.
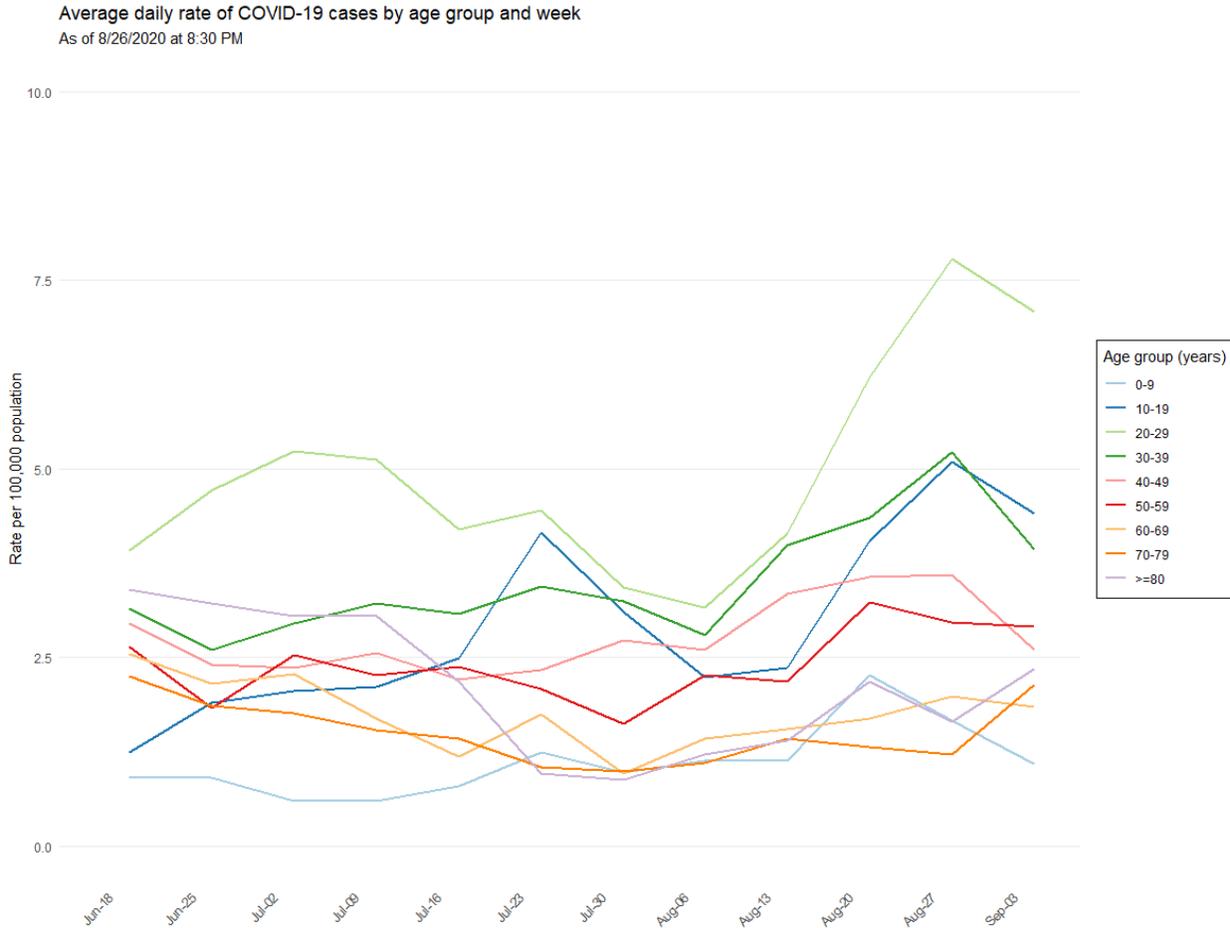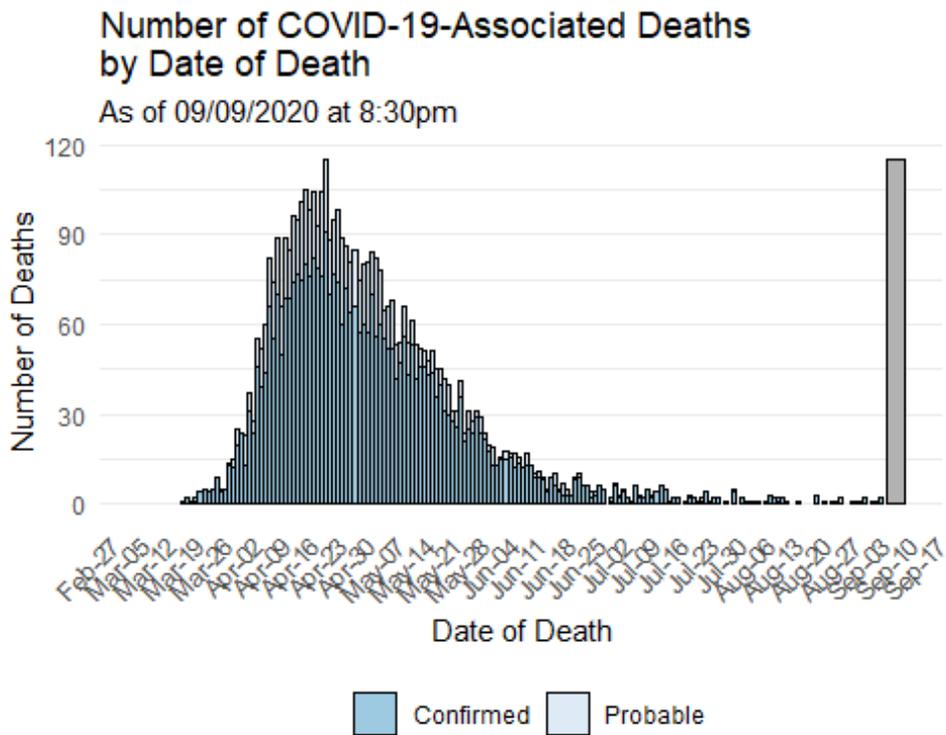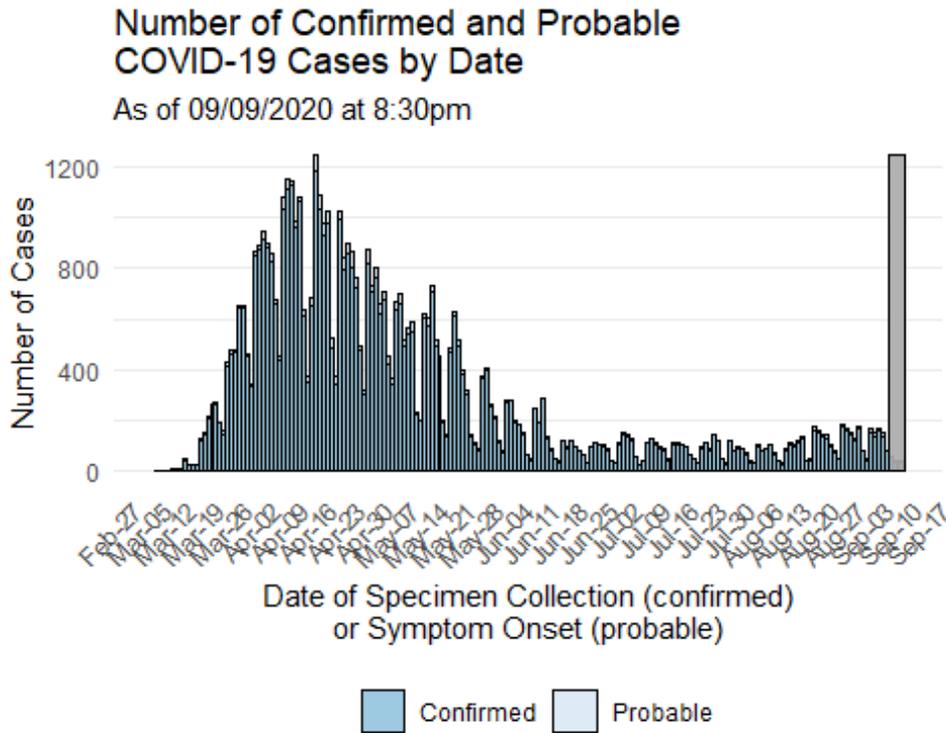
Average Daily Incidence by County

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

Average daily rates of COVID-19 cases by county and week
As of 09/09/2020 at 8:30PM
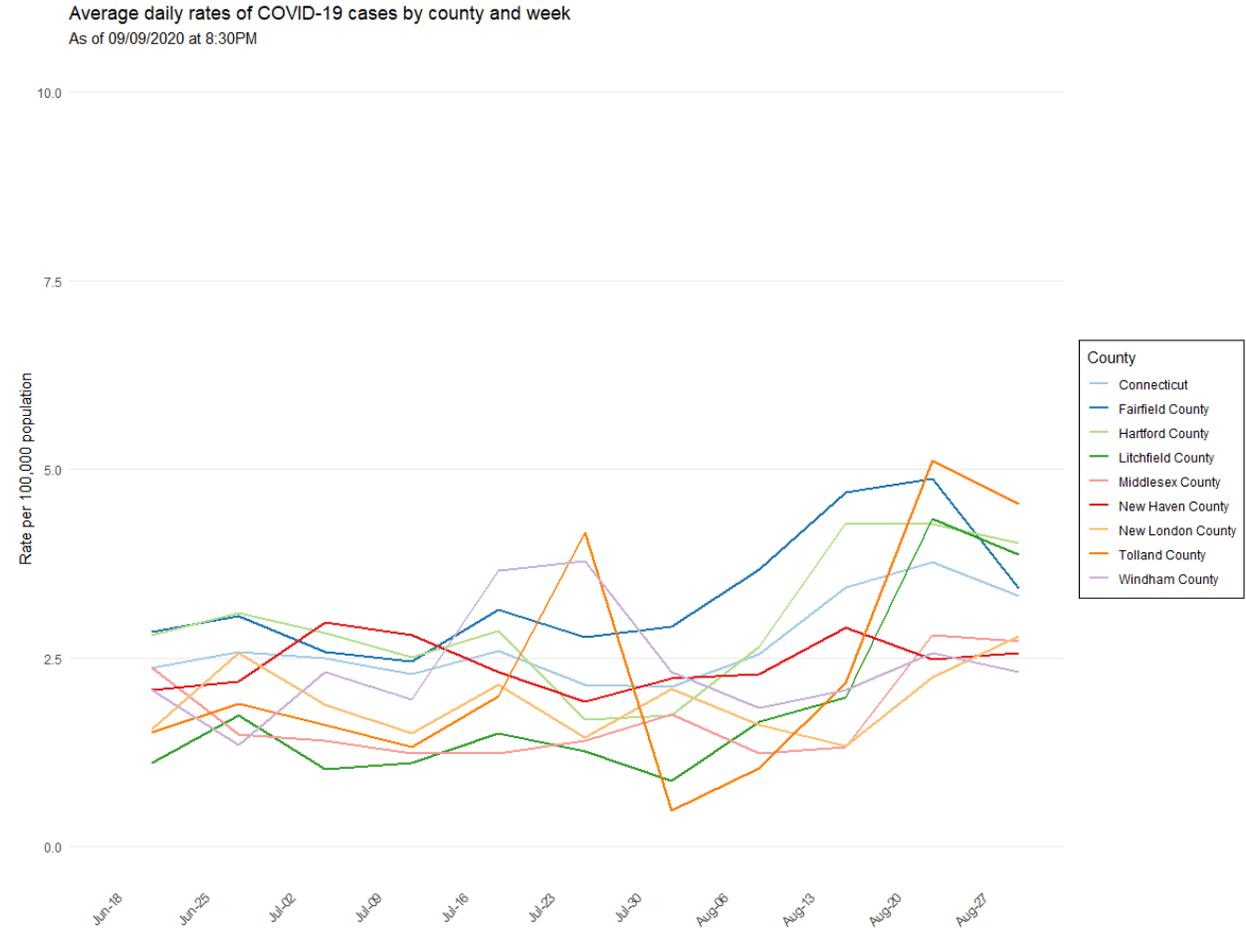
Notes: Incidence rates are based on average cases per day for each week divided by the estimated annual population and multiplied by 100,000. Cases pending address validation are excluded from rate calculations.

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 09/09/2020 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 09/09/2020 at 8:30pm

Date of Death

■ Confirmed □ Probable

All data are preliminary and subject to change.

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.

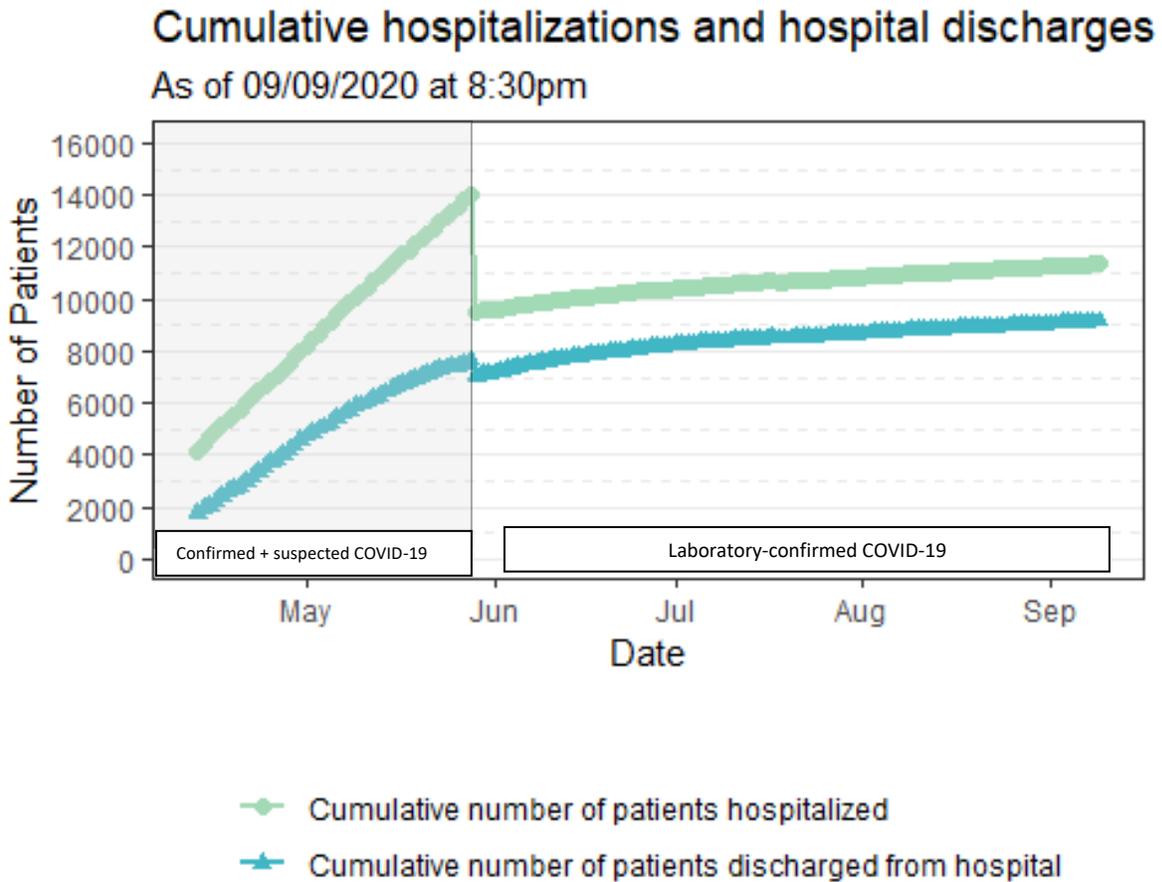**Patients Currently Hospitalized by Connecticut County**
Distribution by location of hospital not patient residence. Data from the Connecticut Hospital Association.
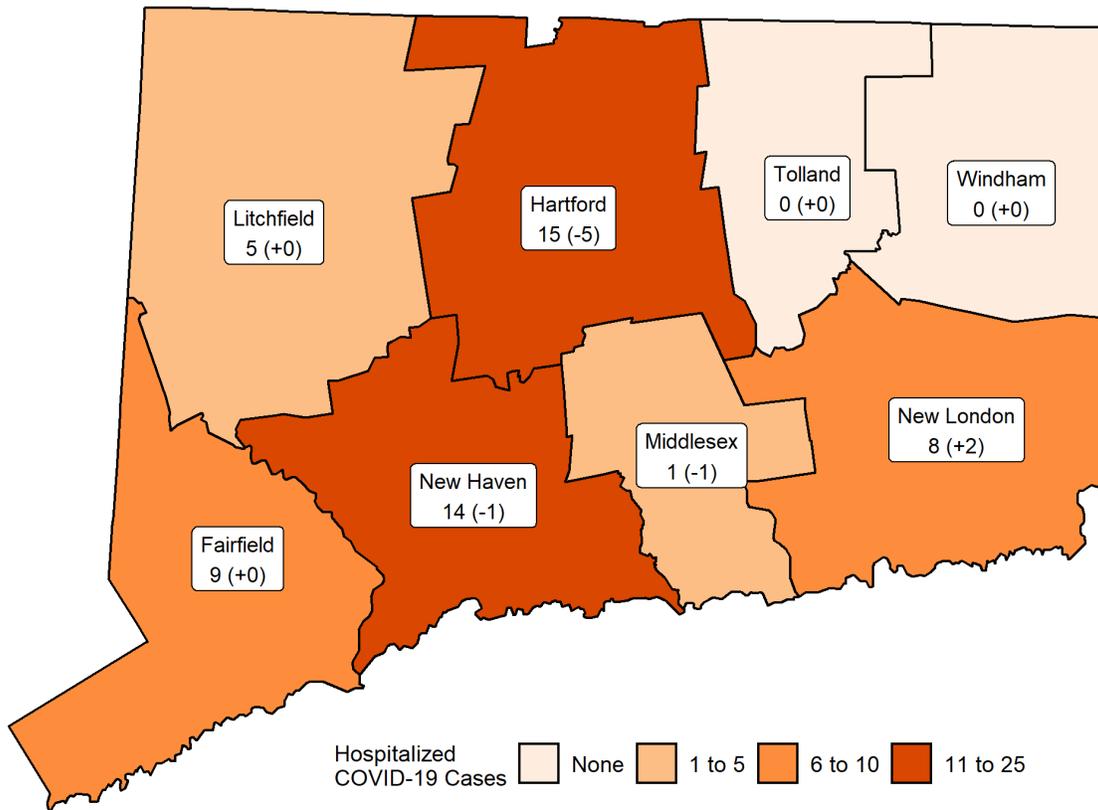
More information about hospitalized cases of COVID-19 in New Haven and Middlesex Counties is available from COVID-NET.

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, **11357** patients have been hospitalized with laboratory-confirmed COVID-19 in Connecticut and **9142** patients hospitalized with laboratory-confirmed have been discharged.

Cumulative hospitalizations and hospital discharges
As of 09/09/2020 at 8:30pm

Confirmed + suspected COVID-19

Laboratory-confirmed COVID-19

Cumulative number of patients hospitalized

Cumulative number of patients discharged from hospital

All data are preliminary and subject to change.

Laboratory Surveillance

To date, DPH has received reports on a total of 1307244 COVID-19 laboratory tests; of these 1124807 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
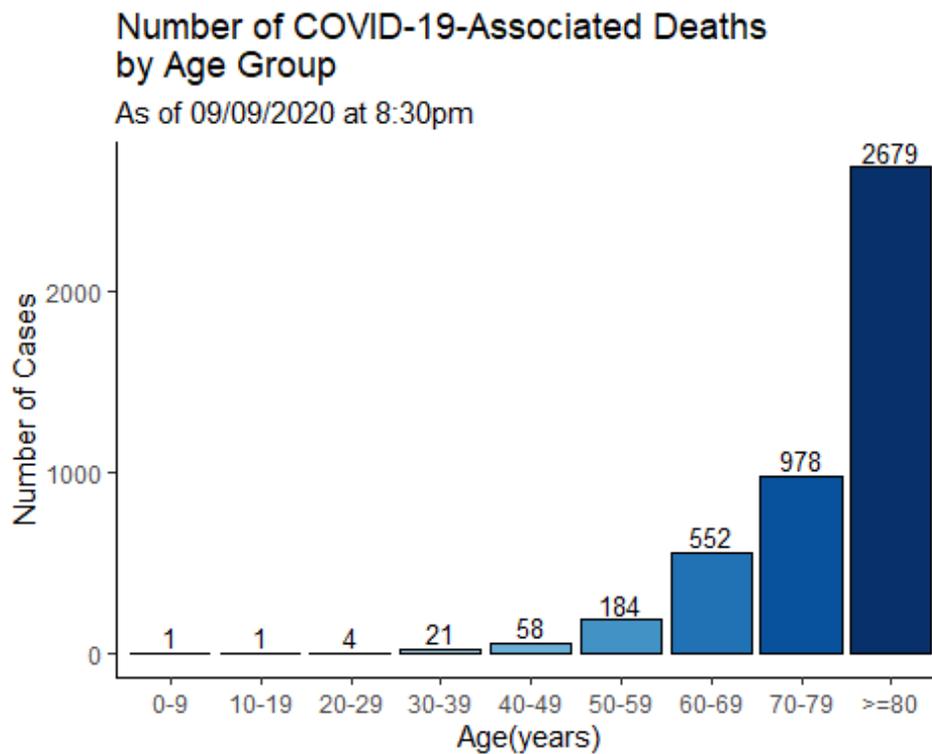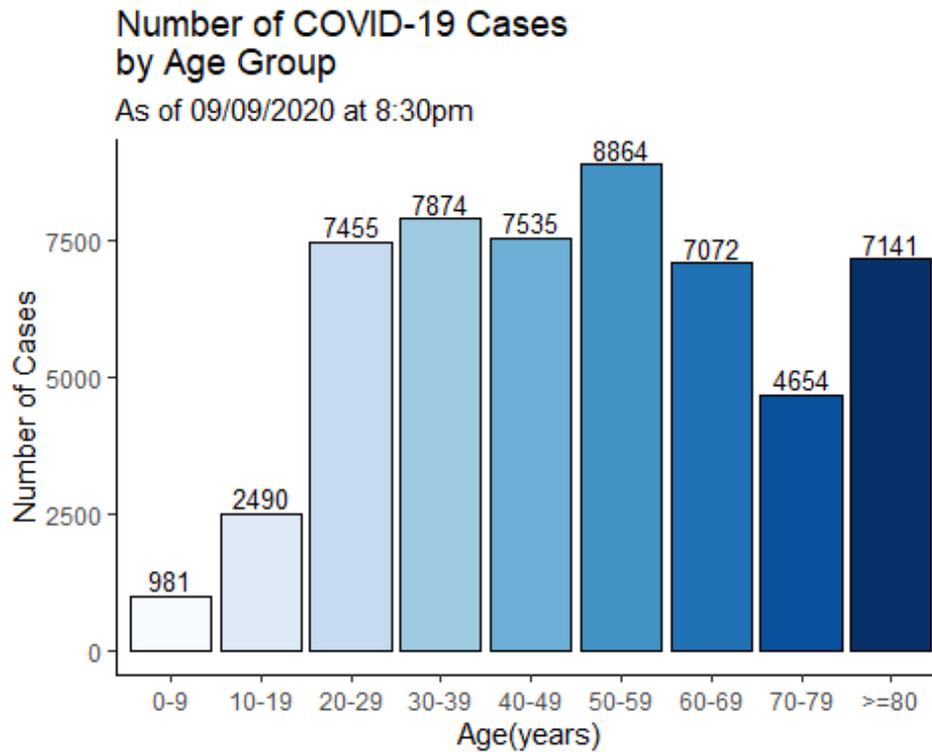As of 09/09/2020 at 8:30pm
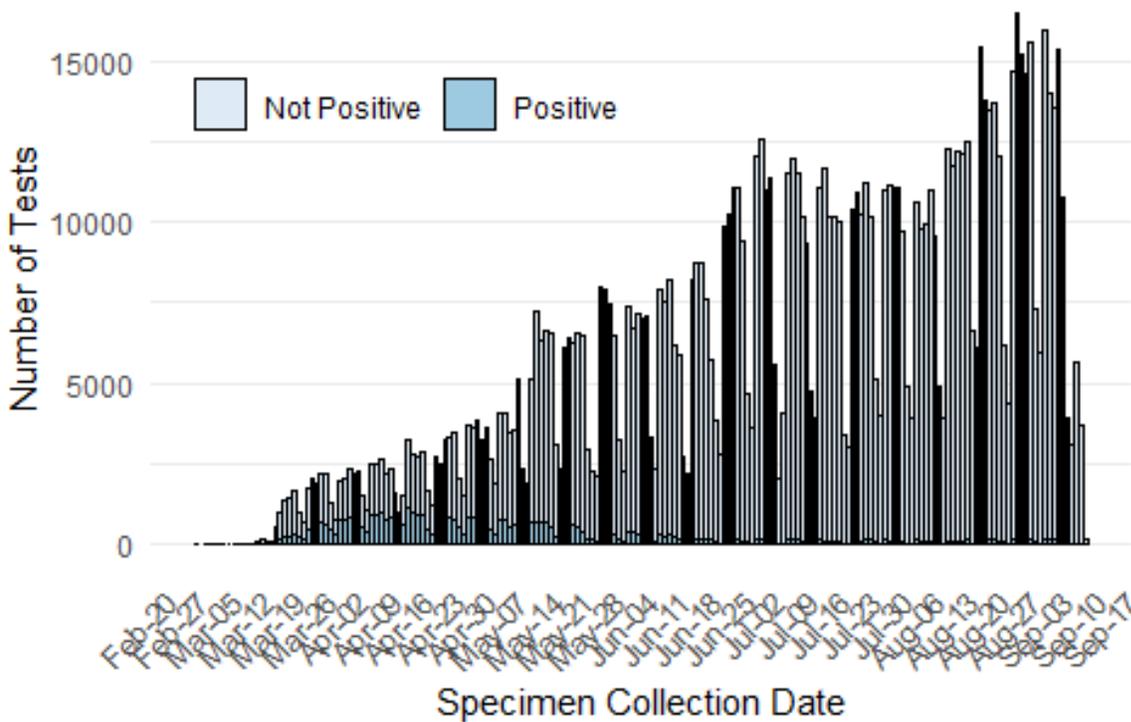
Testing of specimens collected since September 7 is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.

ELR = Electronic Laboratory Reporting

All data are preliminary and subject to change.

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 09/09/2020 at 8:30pm

Age (years)	Number of Cases
0-9	981
10-19	2490
20-29	7455
30-39	7874
40-49	7535
50-59	8864
60-69	7072
70-79	4654
>=80	7141

Number of COVID-19-Associated Deaths by Age Group
As of 09/09/2020 at 8:30pm

Age (years)	Number of Cases
0-9	1
10-19	1
20-29	4
30-39	21
40-49	58
50-59	184
60-69	552
70-79	978
>=80	2679

All data are preliminary and subject to change.

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

Number of COVID-19 Cases by Gender
As of 09/09/2020 at 8:30pm

Number of COVID-19-Associated Deaths by Gender
As of 09/09/2020 at 8:30pm
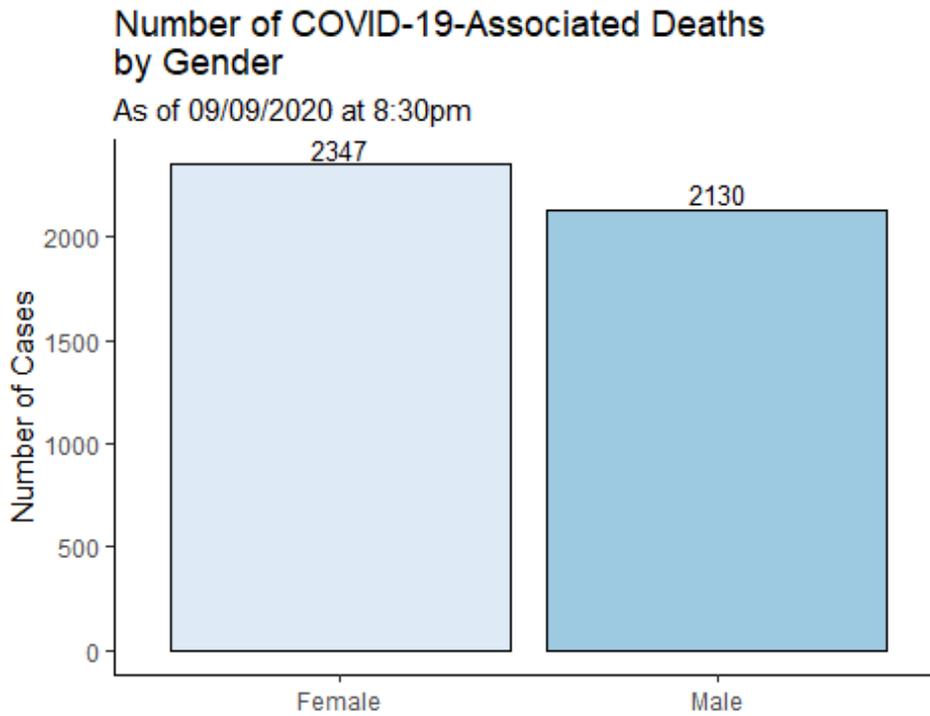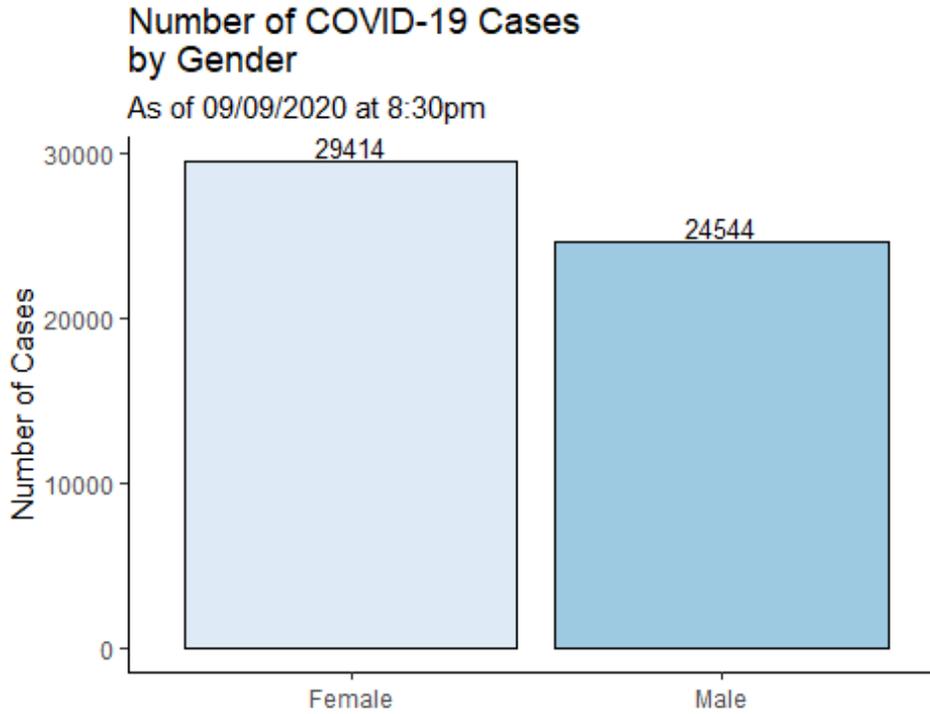
Cumulative Number of COVID-19 Cases by Town

Map does not include 103 cases pending address validation
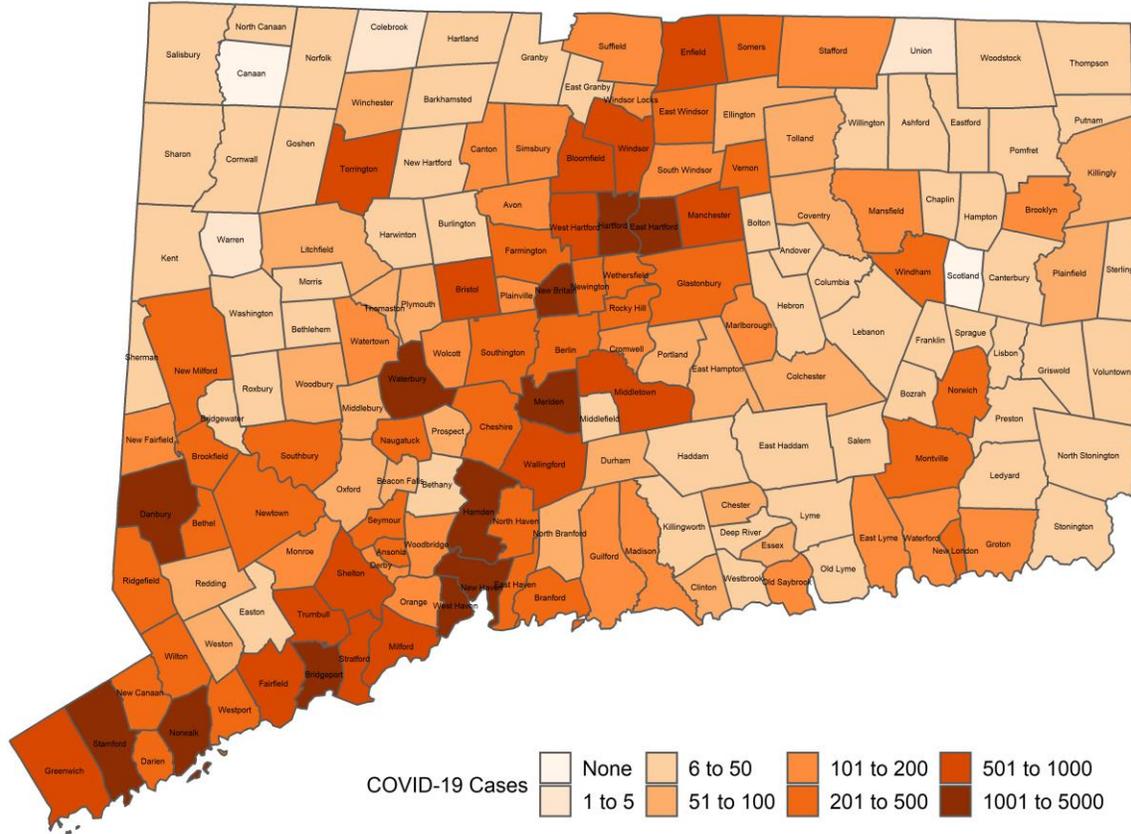
All data are preliminary and subject to change.

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

Table does not include 100 cases pending address validation

Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	9	0	Griswold	47	2	Prospect	79	0
Ansonia	302	8	Groton	170	14	Putnam	42	1
Ashford	22	1	Guilford	120	8	Redding	74	6
Avon	160	10	Haddam	44	1	Ridgefield	246	13
Barkhamsted	32	2	Hamden	1085	41	Rocky Hill	440	18
Beacon Falls	61	0	Hampton	8	0	Roxbury	11	3
Berlin	193	9	Hartford	2954	124	Salem	15	0
Bethany	43	1	Hartland	6	0	Salisbury	22	1
Bethel	293	21	Harwinton	35	3	Scotland	0	0
Bethlehem	12	1	Hebron	35	2	Seymour	235	11
Bloomfield	543	30	Kent	14	3	Sharon	16	0
Bolton	26	2	Killingly	48	4	Shelton	667	39
Bozrah	15	0	Killingworth	17	0	Sherman	15	4
Branford	368	13	Lebanon	27	0	Simsbury	138	14
Bridgeport	4002	123	Ledyard	35	0	Somers	296	21
Bridgewater	12	0	Lisbon	12	0	South Windsor	168	15
Bristol	679	17	Litchfield	52	2	Southbury	207	5
Brookfield	203	10	Lyme	7	0	Southington	379	15
Brooklyn	146	1	Madison	161	8	Sprague	7	1
Burlington	40	1	Manchester	794	61	Stafford	119	8
Canaan	0	0	Mansfield	135	25	Stamford	3504	79
Canterbury	19	1	Marlborough	98	4	Sterling	8	0
Canton	92	9	Meriden	1017	37	Stonington	36	5
Chaplin	6	0	Middlebury	54	5	Stratford	901	41
Cheshire	245	9	Middlefield	21	0	Suffield	176	16
Chester	50	1	Middletown	669	25	Thomaston	69	2
Clinton	67	4	Milford	701	26	Thompson	47	1
Colchester	50	3	Monroe	145	5	Tolland	53	8
Colebrook	5	0	Montville	322	7	Torrington	583	24
Columbia	29	0	Morris	15	0	Trumbull	552	52
Cornwall	6	0	Naugatuck	426	13	Union	4	1
Coventry	52	4	New Britain	1367	59	Vernon	272	12
Cromwell	133	14	New Canaan	208	5	Voluntown	13	0
Danbury	2563	129	New Fairfield	131	4	Wallingford	526	16
Darien	249	9	New Hartford	37	0	Warren	5	0
Deep River	17	2	New Haven	2950	66	Washington	26	1
Derby	186	0	New London	206	6	Waterbury	2210	98
Durham	49	4	New Milford	328	18	Waterford	180	8
East Granby	13	0	Newington	429	20	Watertown	168	9
East Haddam	30	0	Newtown	268	16	West Hartford	790	58
East Hampton	60	5	Norfolk	14	1	West Haven	1150	45
East Hartford	1022	60	North Branford	92	4	Westbrook	34	0
East Haven	430	26	North Canaan	9	1	Weston	86	3
East Lyme	157	12	North Haven	296	9	Westport	341	15
East Windsor	201	14	North Stonington	15	1	Wethersfield	285	6
Eastford	12	0	Norwalk	2145	60	Willington	18	0
Easton	40	2	Norwich	195	8	Wilton	227	26
Ellington	80	4	Old Lyme	29	0	Winchester	66	1
Enfield	715	14	Old Saybrook	118	4	Windham	339	0
Essex	56	0	Orange	142	4	Windsor	586	45
Fairfield	701	56	Oxford	90	4	Windsor Locks	136	6
Farmington	241	9	Plainfield	69	1	Wolcott	129	7
Franklin	16	0	Plainville	182	3	Woodbridge	140	8
Glastonbury	324	27	Plymouth	77	5	Woodbury	57	1
Goshen	13	1	Pomfret	20	0	Woodstock	32	0
Granby	35	3	Portland	75	5			
Greenwich	934	47	Preston	27	1			

All data are preliminary and subject to change.

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
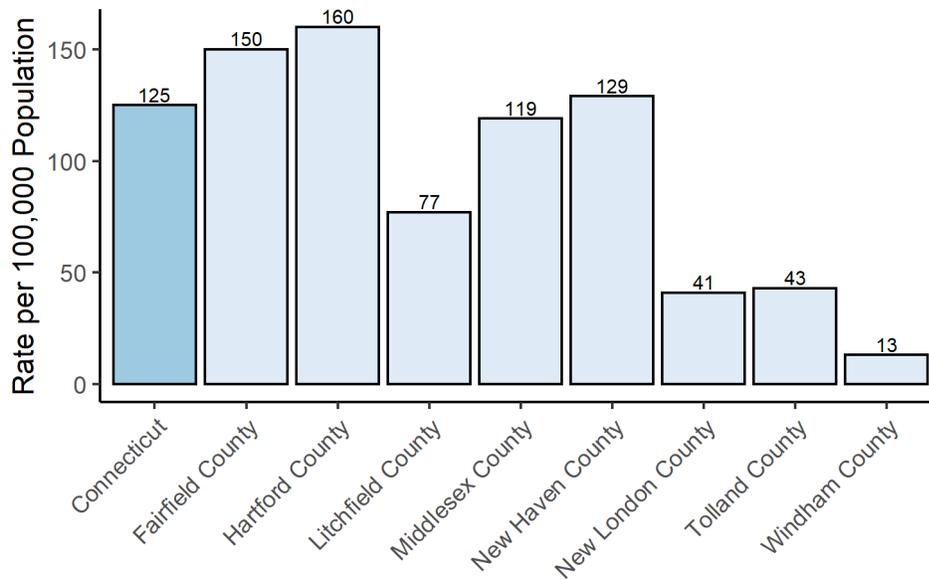
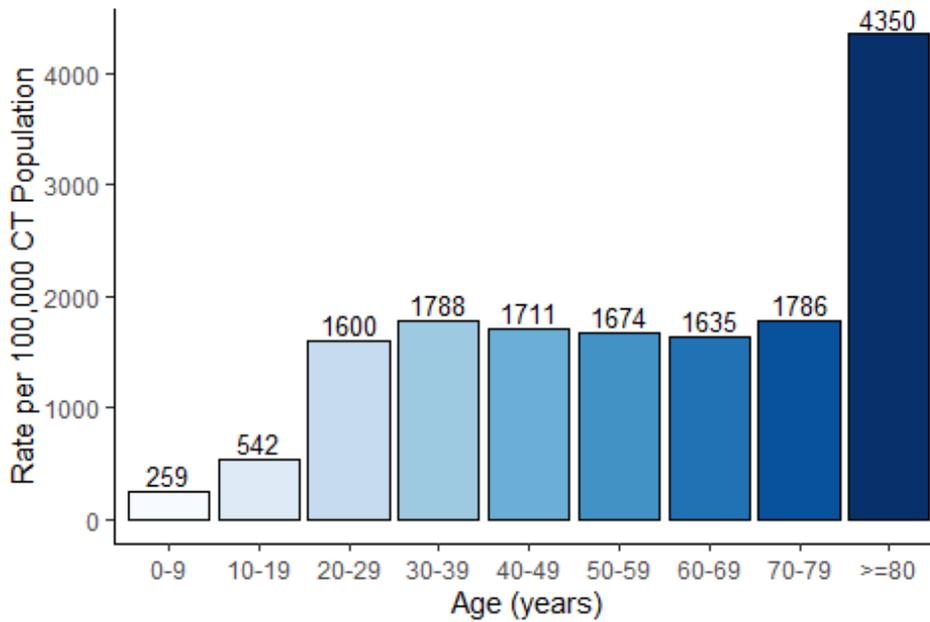## Rate of COVID-19 Cases Statewide and by County
As of 09/09/2020 at 8:30pm
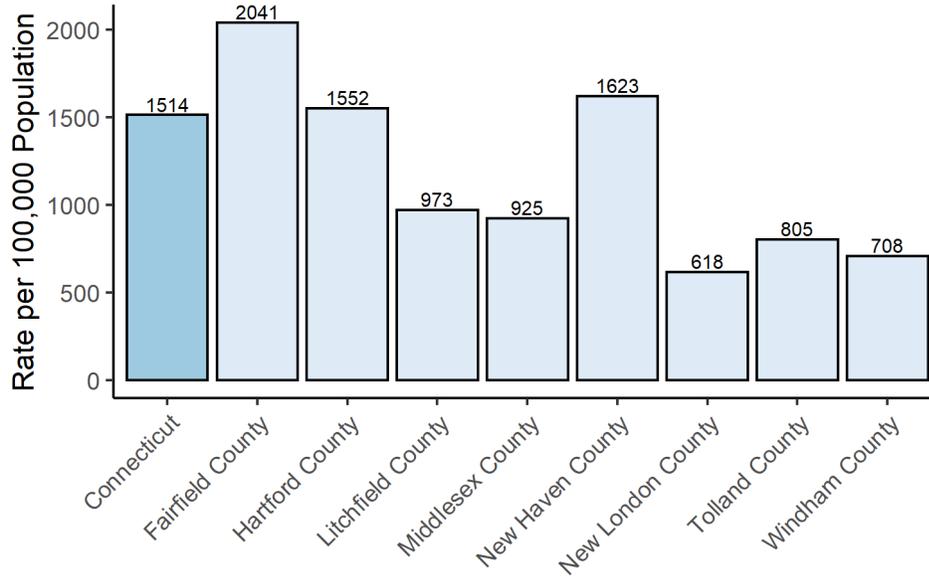
Rate of COVID-19-Associated Deaths Statewide and by County
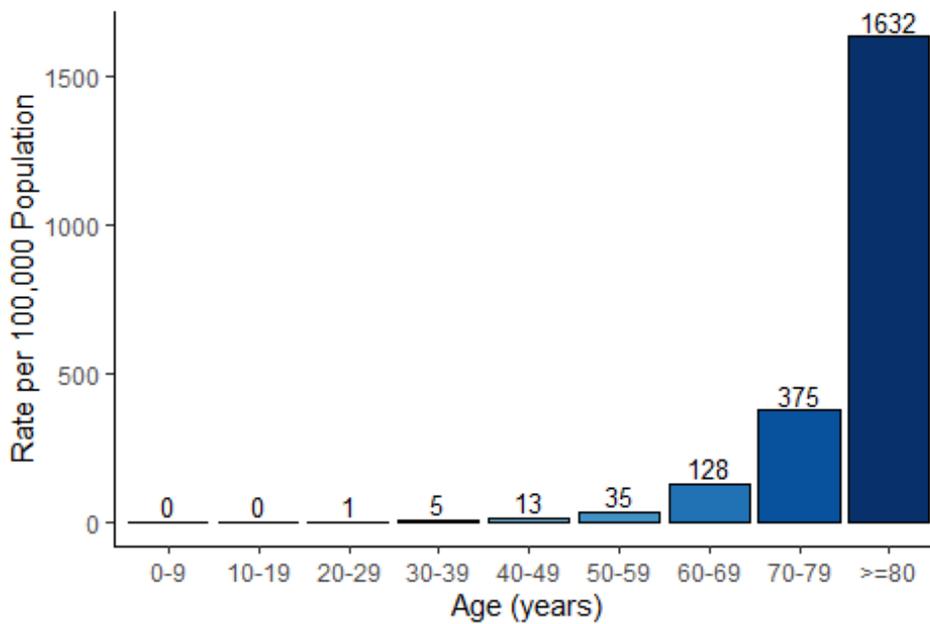### As of 09/09/2020 at 8:30pm

All data are preliminary and subject to change.

Rate of COVID-19 Cases
by Age Group
As of 09/09/2020 at 8:30pm

Rate of COVID-19-Associated Deaths
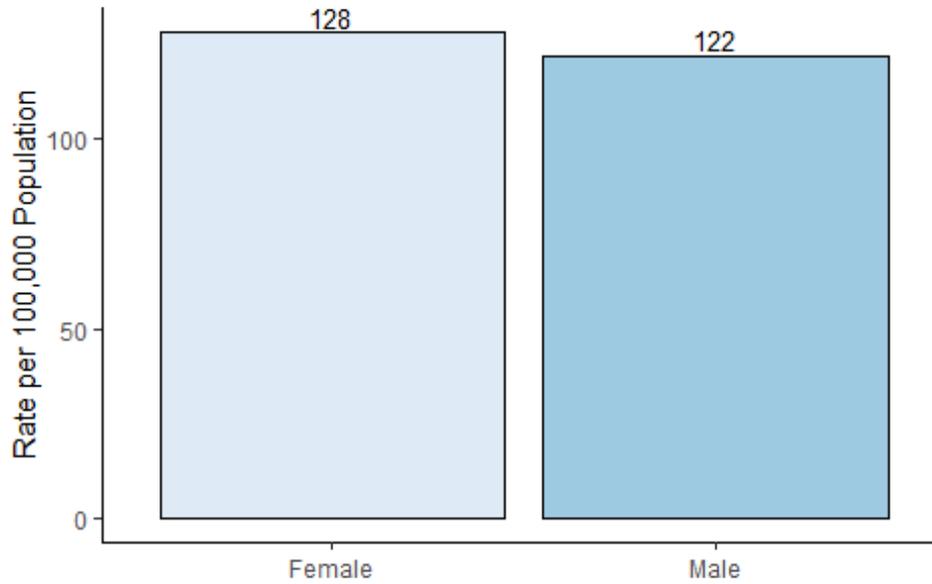## by Age Group
As of 09/09/2020 at 8:30pm

All data are preliminary and subject to change.

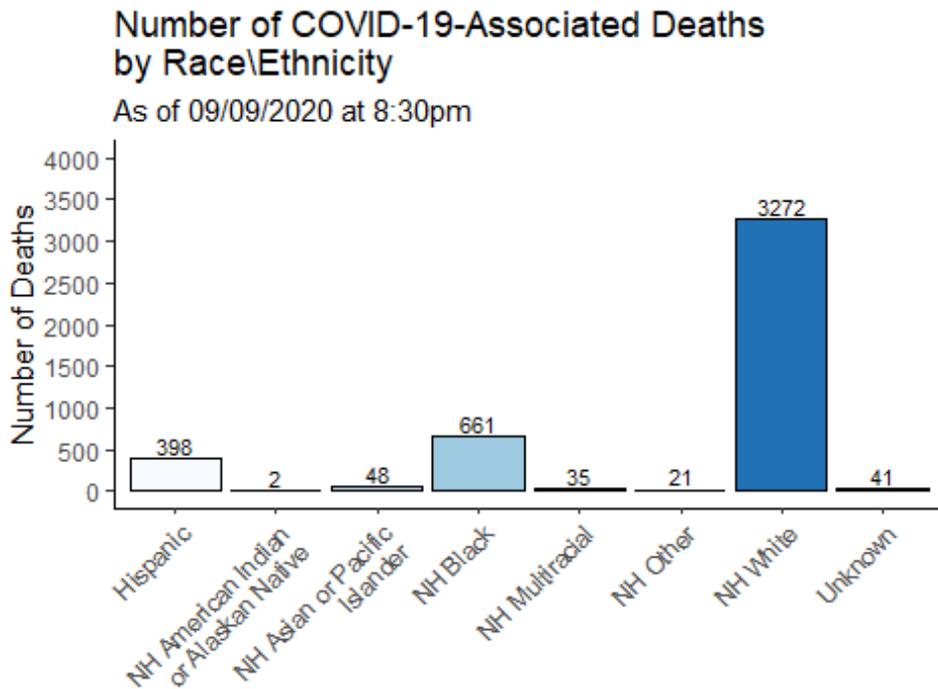## Rate of COVID-19 Cases
by Gender

As of 09/09/2020 at 8:30pm

Rate of COVID-19-Associated Deaths
by Gender

As of 09/09/2020 at 8:30pm

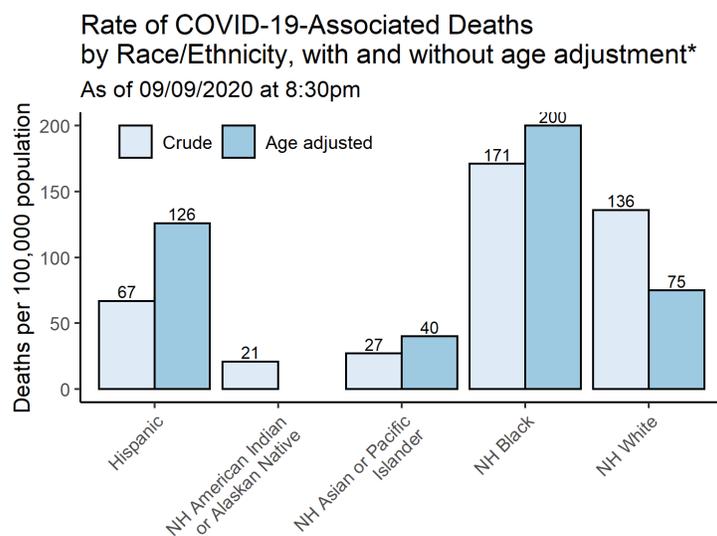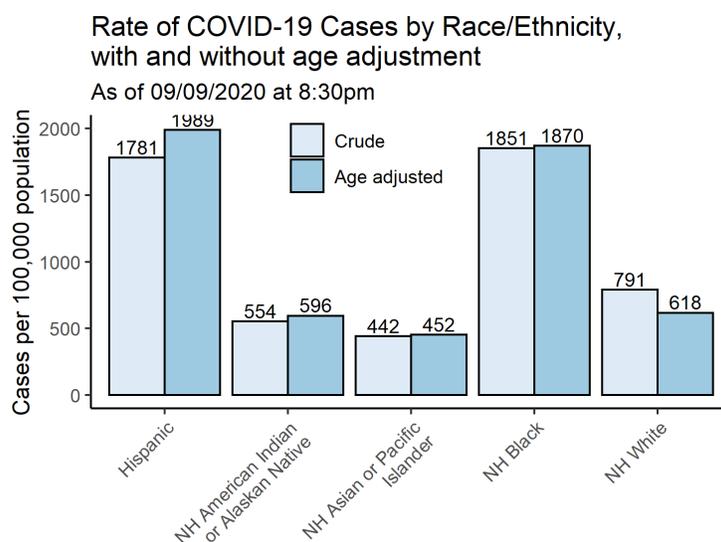All data are preliminary and subject to change.
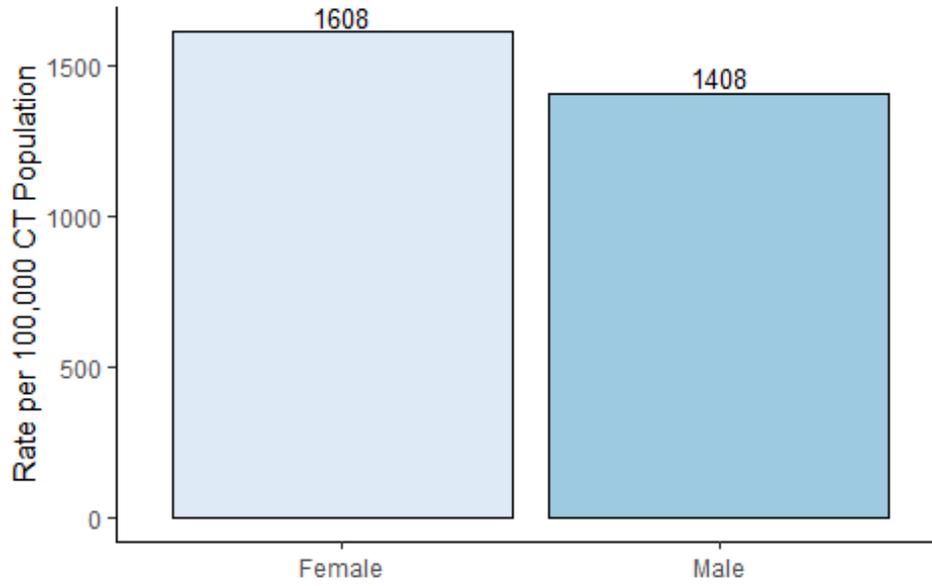
APPENDIX C. The following graphs show the number of cases and deaths by race and ethnicity. *Categories are mutually exclusive. The category "multiracial" includes people who answered 'yes' to more than one race category. NH=Non-Hispanic*

Number of COVID-19 Cases by Race\Ethnicity
As of 09/09/2020 at 8:30pm

Number of COVID-19-Associated Deaths by Race\Ethnicity
As of 09/09/2020 at 8:30pm

All data are preliminary and subject to change.
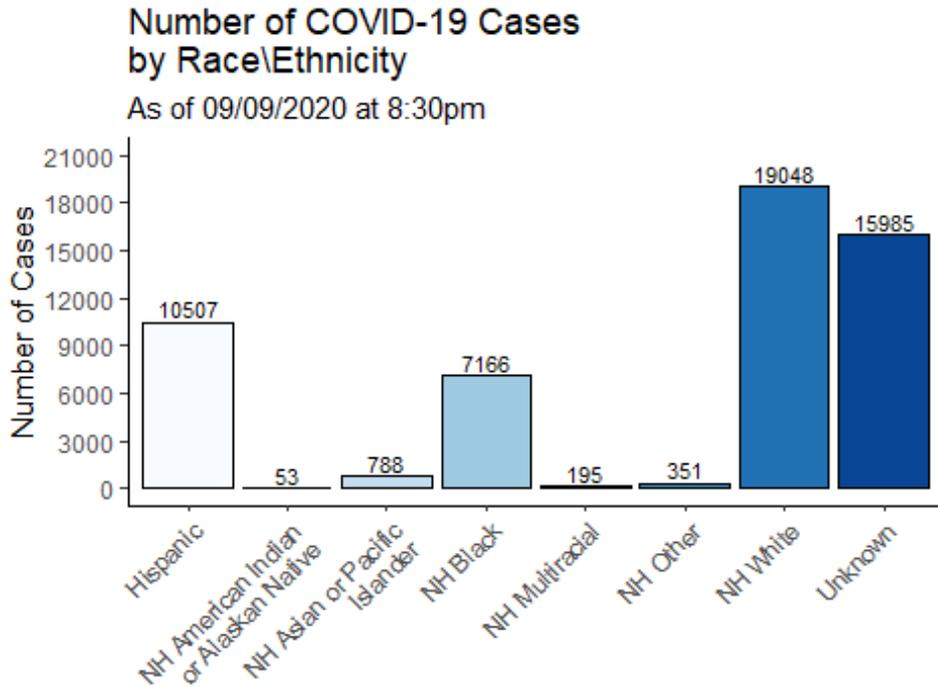
The following graphs show the number of COVID-19 cases and COVID-19-associated deaths per 100,000 population by race and ethnicity. Crude rates represent the total cases or deaths per 100,000 people. Age-adjusted rates consider the age of the person at diagnosis or death when estimating the rate and 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 09/09/2020 at 8:30pm

Rate of COVID-19-Associated Deaths by Race/Ethnicity, with and without age adjustment*
As of 09/09/2020 at 8:30pm

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

All data are preliminary and subject to change.