COVID-19 Update September 03, 2020

As of **September 02, 2020, at 8:30 PM**, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is **53209**, including **51076** laboratory-confirmed and **2133** probable cases. **Sixty-five** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **4468** 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	53209	+101
COVID-19-Associated Deaths	4468	+1
Patients Currently Hospitalized with COVID-19	65	+0
COVID-19 PCR Tests Reported	1216083	+14234

***Includes confirmed plus probable cases*

COVID-19 Cases and Associated Deaths by County of Residence
As of 09/02/20 8:30pm.

County	COVID-19 Cases		COVID-19-Associated Deaths	
	Confirmed	Probable	Confirmed	Probable
Fairfield County	18257	738	1101	314
Hartford County	12938	660	1105	321
Litchfield County	1648	73	119	20
Middlesex County	1405	64	154	38
New Haven County	13314	449	959	150
New London County	1530	68	80	27
Tolland County	1089	69	51	14
Windham County	800	10	14	1
Pending address validation	*95*	*2*	*0*	*0*
Total	**51076**	**2133**	**3583**	**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. Updated 8/27/2020.
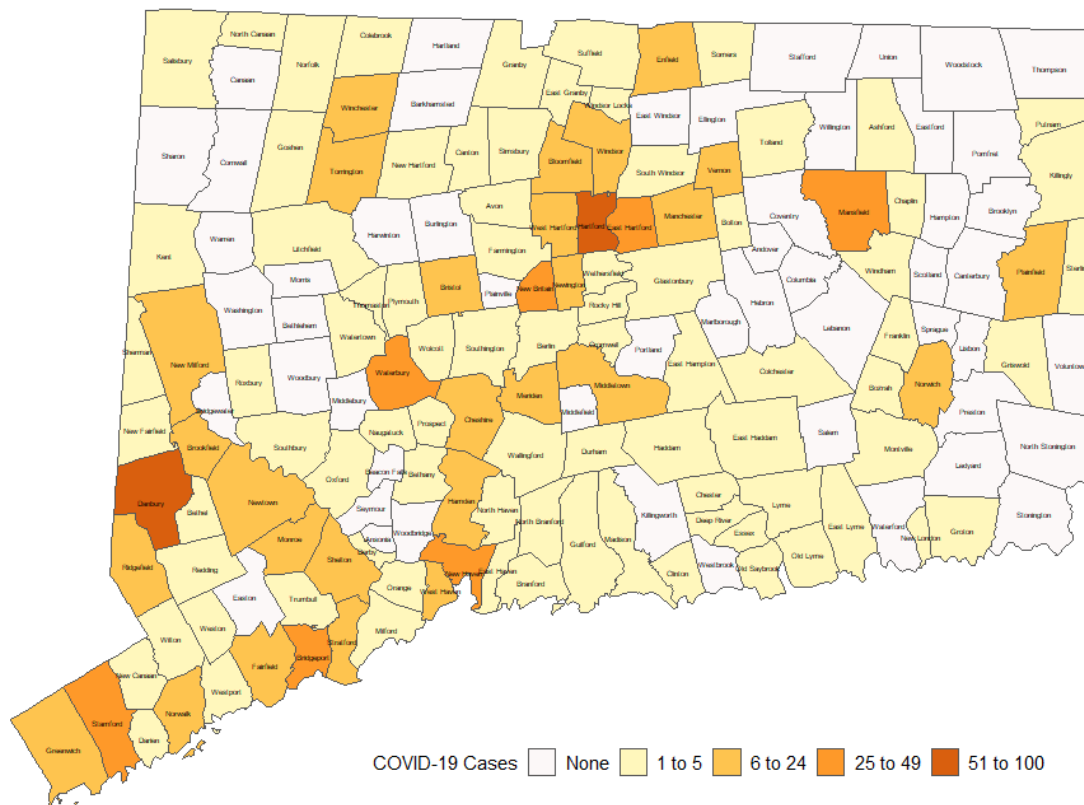
COVID-19 Cases and Deaths Over Time

New Cases during August 23–August 29, 2020

Among 101,335 PCR tests for COVID-19 with specimen collection date during August 23–29th, 1000 test results were positive. There were 872 people who tested positive for the first time or had onset of symptoms during August 23–29th. Of these 872 people, 838 (96%) cases were among people who reside in community settings and 34 (4%) 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 838 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 23-29

Map does not include 2 cases pending address validation.

All data are preliminary and subject to change. Updated 8/27/2020.

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 23-29

Map does not include 2 cases pending address validation.

All data are preliminary and subject to change. Updated 8/27/2020.
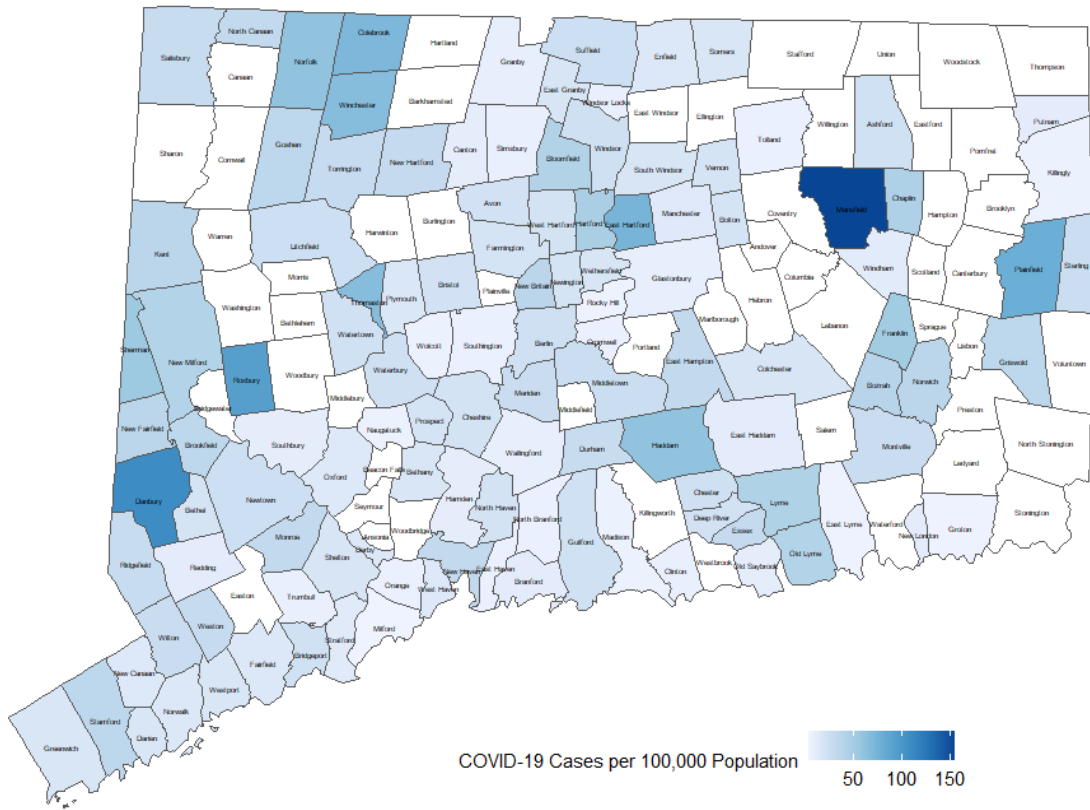
Population, Number and Weekly Rate of COVID-19 Cases among Persons Living in Community Settings by Town with Specimen Collection or Onset Date during August 23–29, 2020
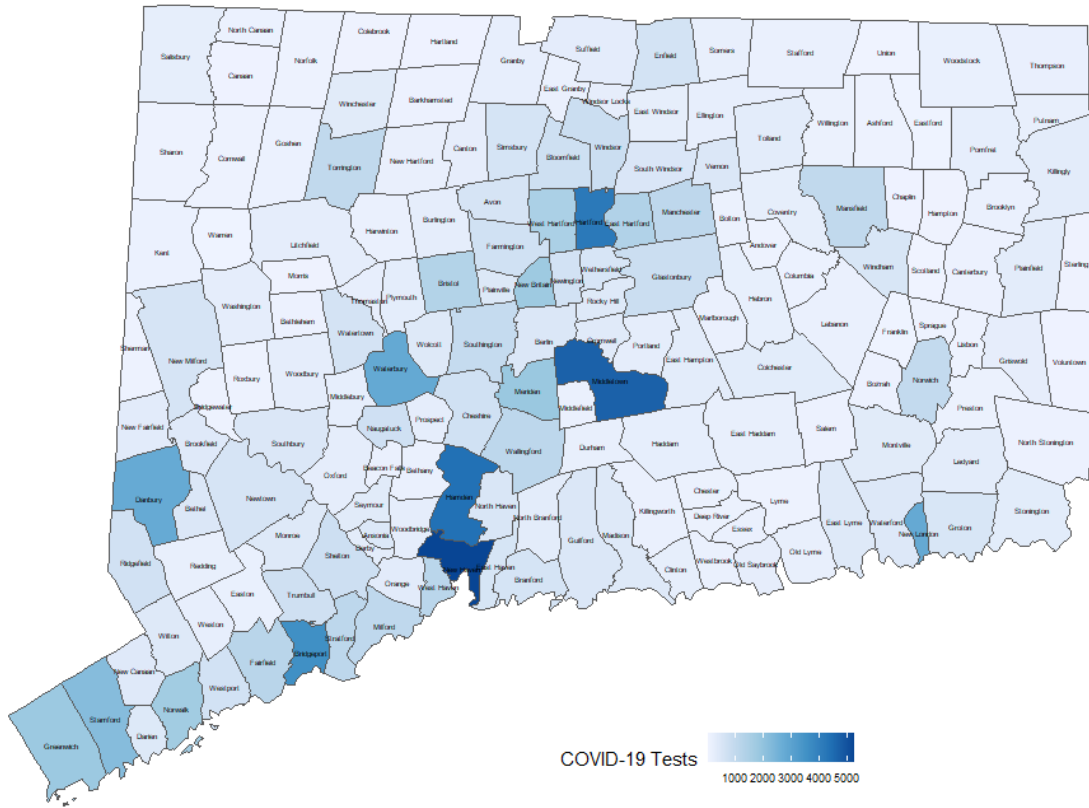
Table does not include 2 cases pending address validation. Weekly rate is cases per week per 100,000 population.

Town	Pop	Cases	Rate	Town	Pop	Cases	Rate	Town	Pop	Cases	Rate
Andover	3231	0	0	Groton	38692	<5	5	Prospect	9790	<5	20
Ansonia	18721	0	0	Guilford	22216	5	23	Putnam	9395	<5	11
Ashford	4261	<5	23	Haddam	8222	5	61	Redding	9125	<5	11
Avon	18302	<5	22	Hamden	60940	6	10	Ridgefield	25008	7	28
Barkhamsted	3624	0	0	Hampton	1853	0	0	Rocky Hill	20145	<5	5
Beacon Falls	6182	0	0	Hartford	122587	58	47	Roxbury	2160	<5	93
Berlin	20432	5	24	Hartland	2120	0	0	Salem	4123	0	0
Bethany	5479	<5	18	Harwinton	5430	0	0	Salisbury	3598	<5	28
Bethel	19714	<5	20	Hebron	9482	0	0	Scotland	1685	0	0
Bethlehem	3422	0	0	Kent	2785	<5	36	Seymour	16509	0	0
Bloomfield	21301	9	42	Killingly	17287	<5	6	Sharon	2703	0	0
Bolton	4890	<5	20	Killingworth	6370	0	0	Shelton	41097	8	19
Bozrah	2537	<5	39	Lebanon	7207	0	0	Sherman	3614	<5	55
Branford	28005	<5	11	Ledyard	14736	0	0	Simsbury	24979	<5	8
Bridgeport	144900	33	23	Lisbon	4248	0	0	Somers	10834	<5	18
Bridgewater	1641	0	0	Litchfield	8127	<5	25	South			
Bristol	60032	13	22	Lyme	2338	<5	43	Windsor	26054	5	19
Brookfield	17002	6	35	Madison	18106	<5	6	Southbury	19656	<5	10
Brooklyn	8280	0	0	Manchester	57699	8	14	Southington	43807	<5	7
Burlington	9665	0	0	Mansfield	25817	40	155	Sprague	2889	0	0
Canaan	1055	0	0	Marlborough	6358	0	0	Stafford	11884	0	0
Canterbury	5100	0	0	Meriden	59540	16	27	Stamford	129775	45	35
Canton	10270	<5	10	Middlebury	7731	0	0	Sterling	3780	<5	26
Chaplin	2256	<5	44	Middlefield	4380	0	0	Stonington	18449	0	0
Cheshire	29179	6	21	Middletown	46146	12	26	Stratford	51967	7	13
Chester	4229	<5	24	Milford	54661	<5	4	Suffield	15743	<5	25
Clinton	12950	<5	8	Monroe	19470	6	31	Thomaston	7560	5	66
Colchester	15936	<5	19	Montville	18716	5	27	Thompson	9395	0	0
Colebrook	1405	<5	71	Morris	2262	0	0	Tolland	14655	<5	7
Columbia	5385	0	0	Naugatuck	31288	<5	6	Torrington	34228	10	29
Cornwall	1368	0	0	New Britain	72453	26	36	Trumbull	35802	<5	8
Coventry	12414	0	0	New Canaan	20213	<5	15	Union	840	0	0
Cromwell	13905	<5	7	New Fairfield	13877	5	36	Vernon	29303	6	20
Danbury	84730	92	109	New Hartford	6685	<5	30	Voluntown	2535	0	0
Darien	21753	<5	18	New Haven	130418	41	31	Wallingford	44535	<5	9
Deep River	4463	<5	22	New London	26939	<5	11	Warren	1399	0	0
Derby	12515	<5	16	New Milford	26974	11	41	Washington	3434	0	0
Durham	7195	<5	28	Newington	30112	6	20	Waterbury	108093	26	24
East Granby	5147	<5	19	Newtown	27774	7	25	Waterford	18887	0	0
East Haddam	8988	<5	11	Norfolk	1640	<5	61	Watertown	21641	5	23
East Hampton	12854	<5	31	North				West Hartford	62939	13	21
East Hartford	49998	37	74	Branford	14158	<5	7	West Haven	54879	8	15
East Haven	28699	<5	7	North Canaan	3254	<5	31	Westbrook	6914	0	0
East Lyme	18645	<5	5	North Haven	23691	5	21	Weston	10247	<5	29
East Windsor	11375	0	0	North				Westport	28115	5	18
Eastford	1790	0	0	Stonington	5243	0	0	Wethersfield	26082	5	19
Easton	7517	0	0	Norwalk	89047	14	16	Willington	5887	0	0
Ellington	16299	0	0	Norwich	39136	14	36	Wilton	18397	5	27
Enfield	44466	7	16	Old Lyme	7366	<5	41	Winchester	10655	7	66
Essex	6674	<5	30	Old Saybrook	10087	<5	10	Windham	24706	<5	12
Fairfield	61952	10	16	Orange	13949	<5	7	Windsor	28760	7	24
Farmington	25506	5	20	Oxford	13226	<5	15	Windsor Locks	12876	<5	8
Franklin	1933	<5	52	Plainfield	15173	12	79	Wolcott	16649	<5	6
Glastonbury	34491	<5	9	Plainville	17623	0	0	Woodbridge	8805	0	0
Goshen	2879	<5	35	Plymouth	11645	<5	17	Woodbury	9537	0	0
Granby	11375	<5	9	Pomfret	4204	0	0	Woodstock	7862	0	0
Greenwich	62727	11	18	Portland	9305	0	0				
Griswold	11591	<5	35	Preston	4638	0	0				

All data are preliminary and subject to change. Updated 8/27/2020.

COVID-19 PCR Tests during August 23–29, 2020

Among 101,335 PCR tests for COVID-19 with specimen collection date during August 23–29th, 93,319 (92%) tests were conducted among people who did not reside in congregate settings (including nursing homes, assisted living, and correctional facilities). Of these 93,319 tests, 943 (1%) were positive. The map below shows the number of PCR COVID-19 tests by town with specimen collection date during August 23–29th 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 23-29

Map does not include 3679 tests pending address validation.

All data are preliminary and subject to change. Updated 9/3/2020.

Age Distribution of COVID-19 Cases with Specimen Collection or Onset During August 23–29, 2020

Number of New COVID-19 Cases by Age Group
with Collection or Onset during August 23-29
As of 09/02/2020 at 8:30pm

Rate of COVID-19 Cases by Age Group
with Collection or Onset during August 23-29
As of 09/02/2020 at 8:30pm

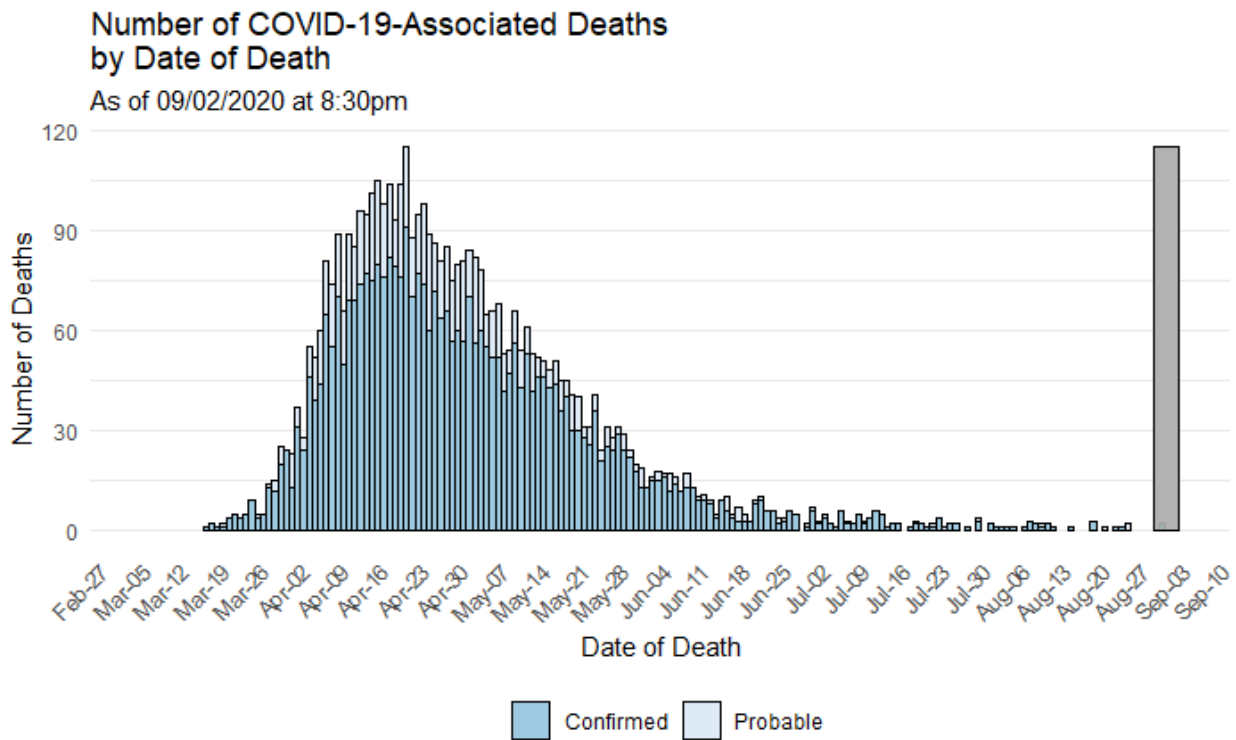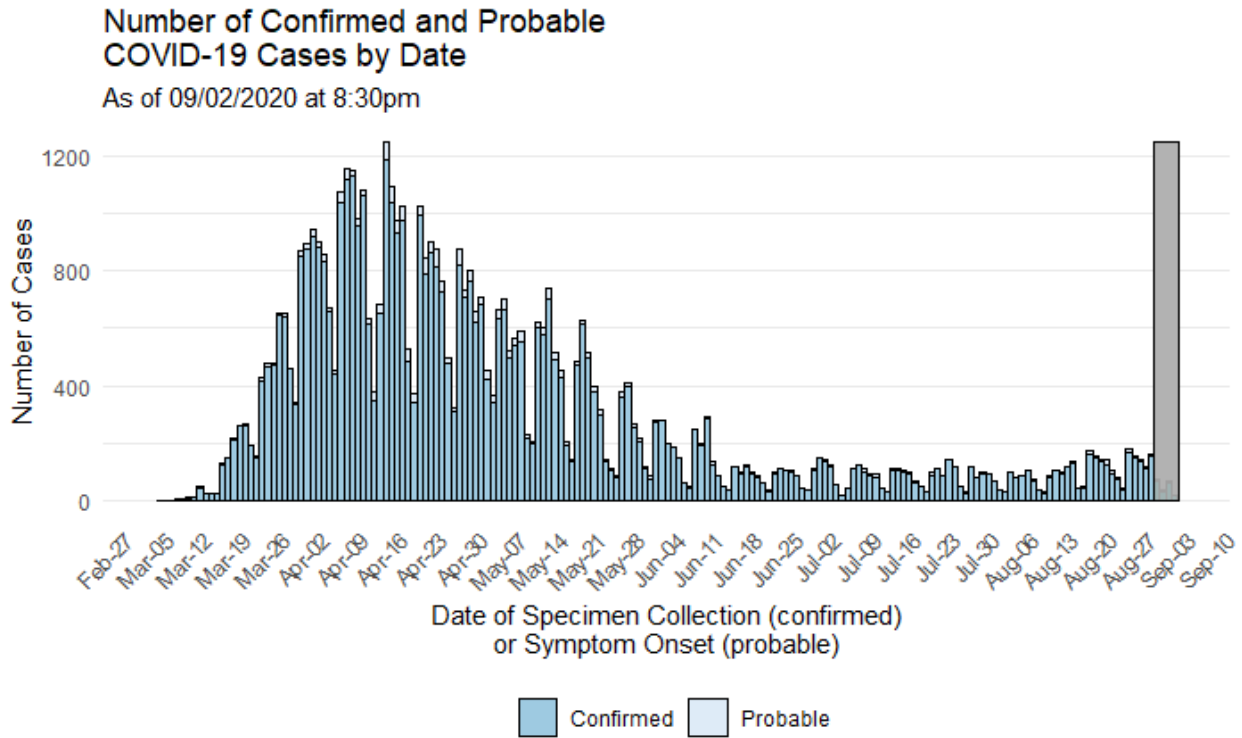All data are preliminary and subject to change. Updated 9/3/2020.
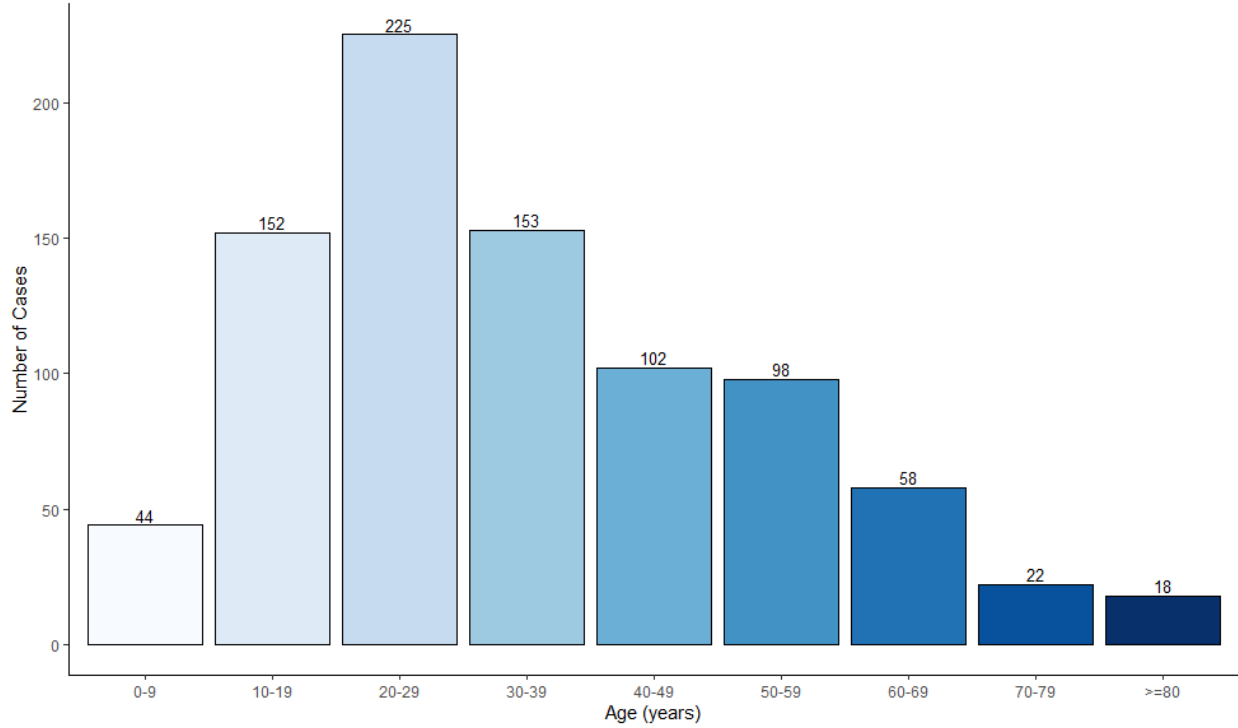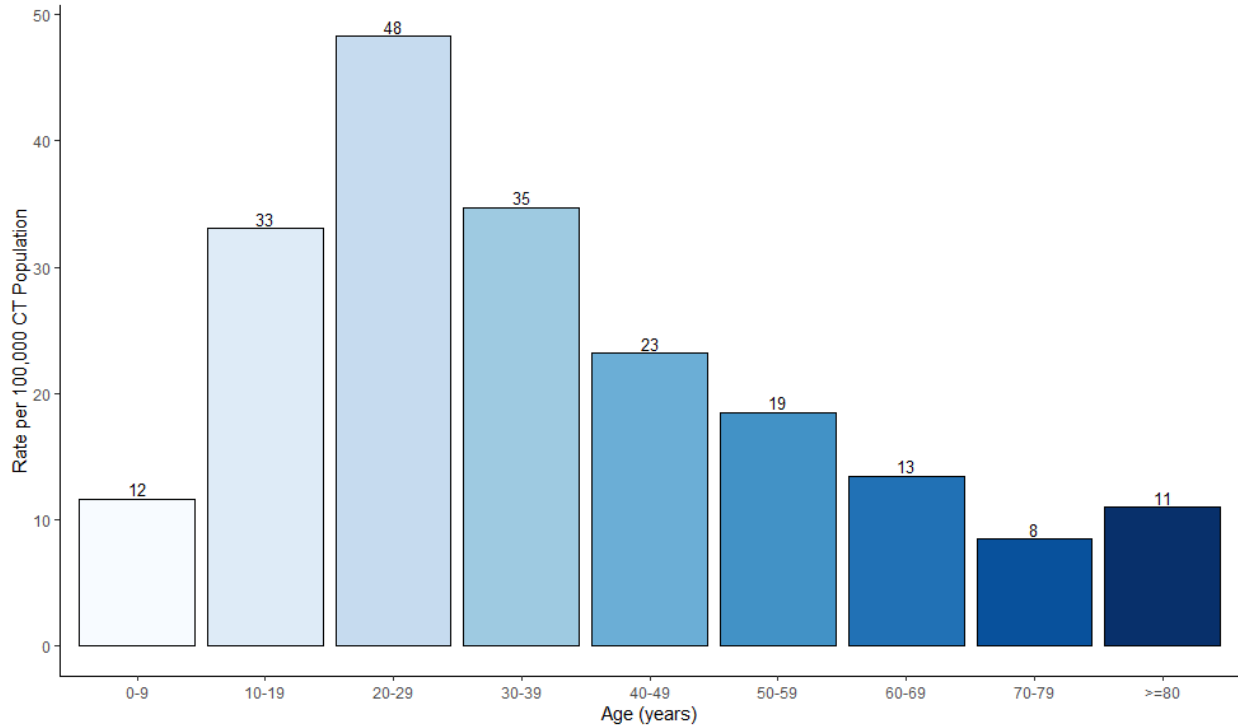
Weekly Incidence by Age Group

The chart below shows the number of new COVID-19 cases per week per 100,000 population by age group during May 24–August 29, 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 8/26/2020 at 8:30 PM

All data are preliminary and subject to change. Updated 9/3/2020.
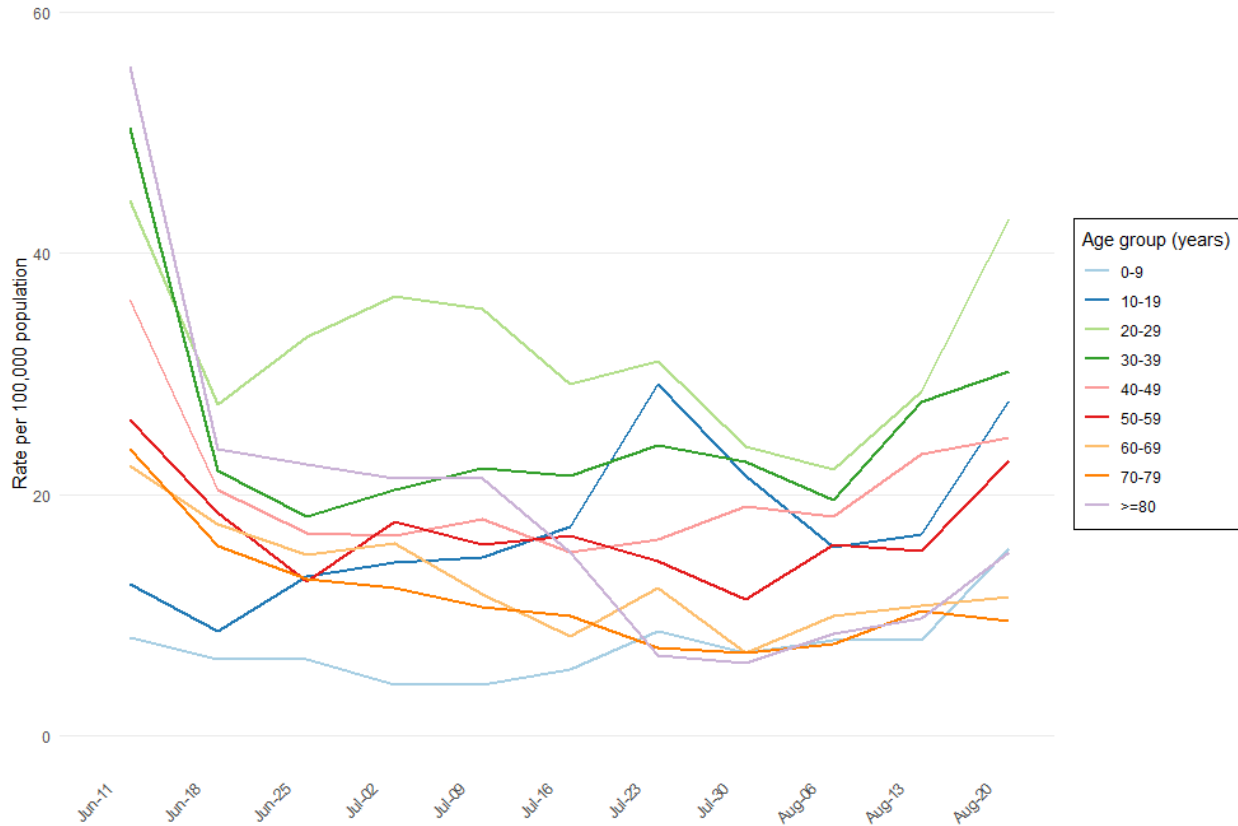
Cumulative Number of COVID-19 Cases and COVID-19-Associated Deaths by Date

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 09/02/2020 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 09/02/2020 at 8:30pm

Date of Death

Confirmed ▢ Probable

All data are preliminary and subject to change. Updated 9/3/2020.

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
As of 09/02/2020 at 8:30pm
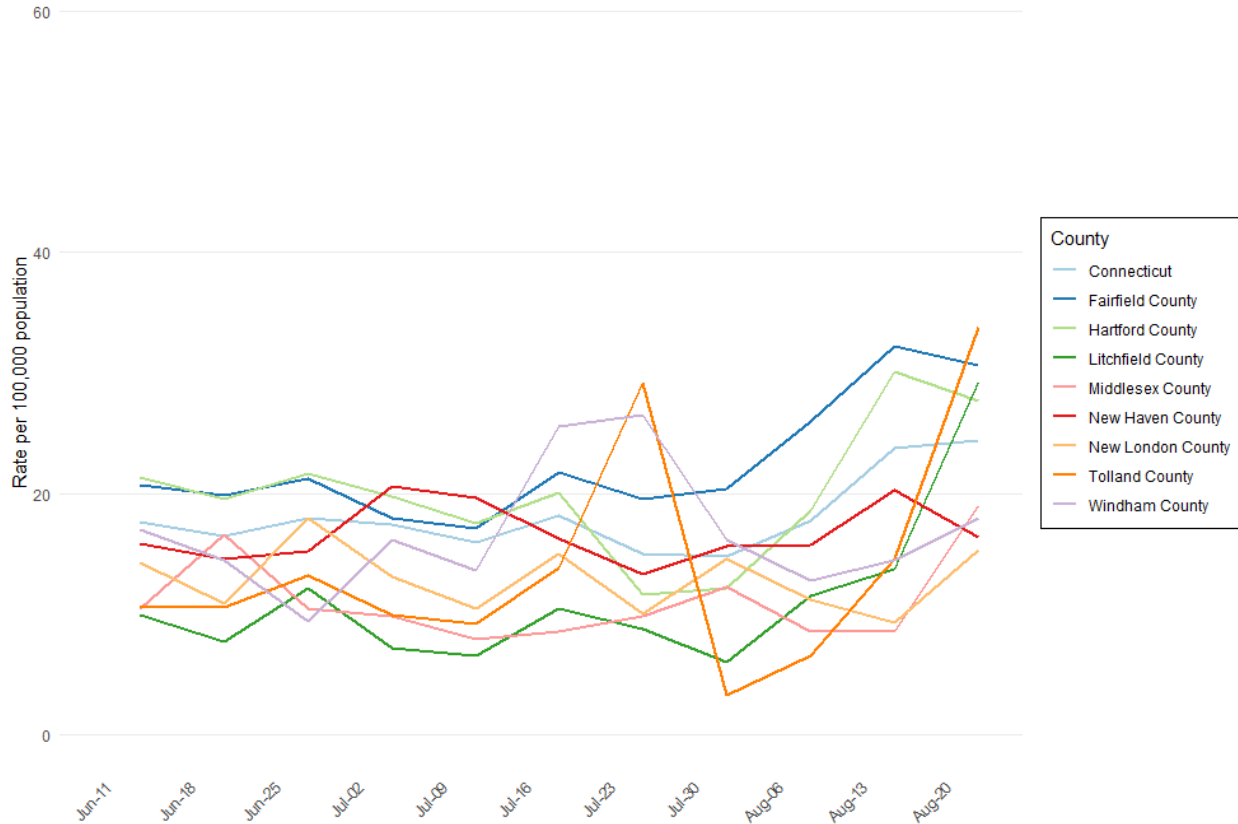
Notes: Incidence rates are based on weekly cases divided by the estimated annual population and multiplied by 100,000. Cases pending address validation are excluded from rate calculations.

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.

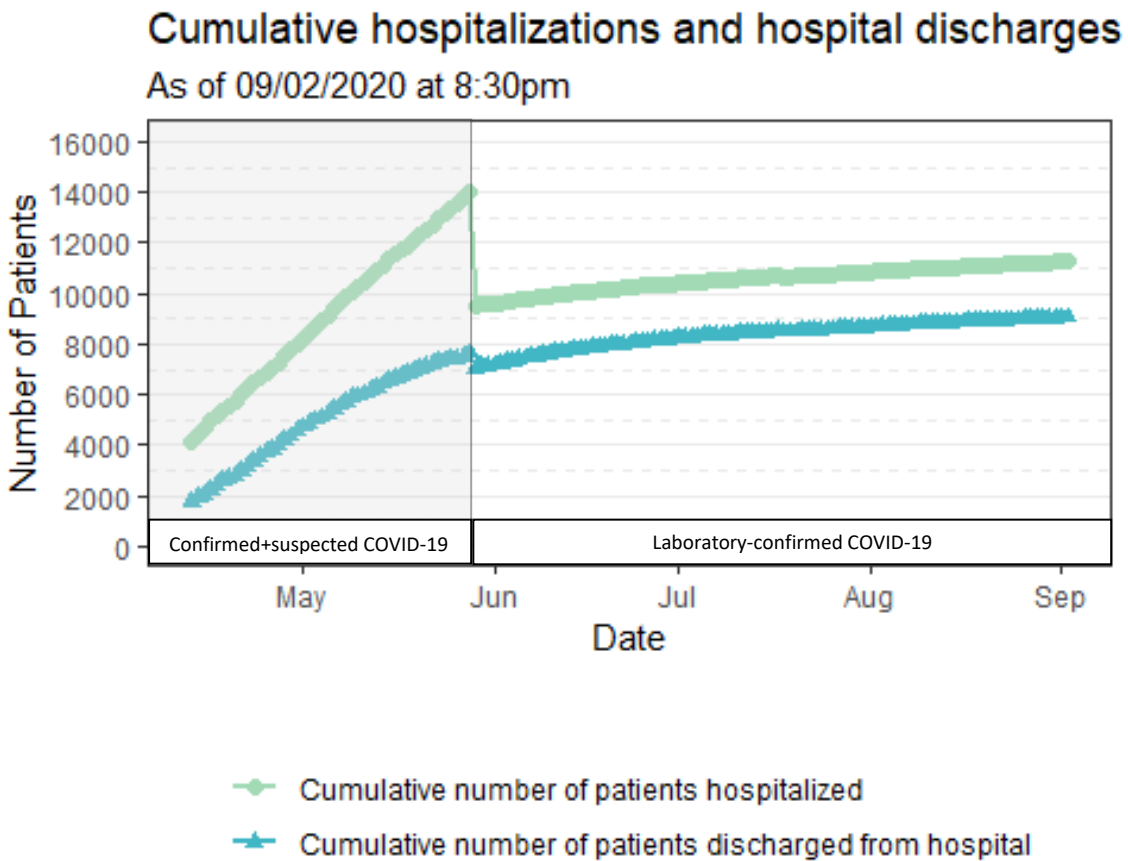**Patients Currently Hospitalized by Connecticut County**
Distribution by location of hospital not patient residence. Data from the Connecticut Hospital Association.
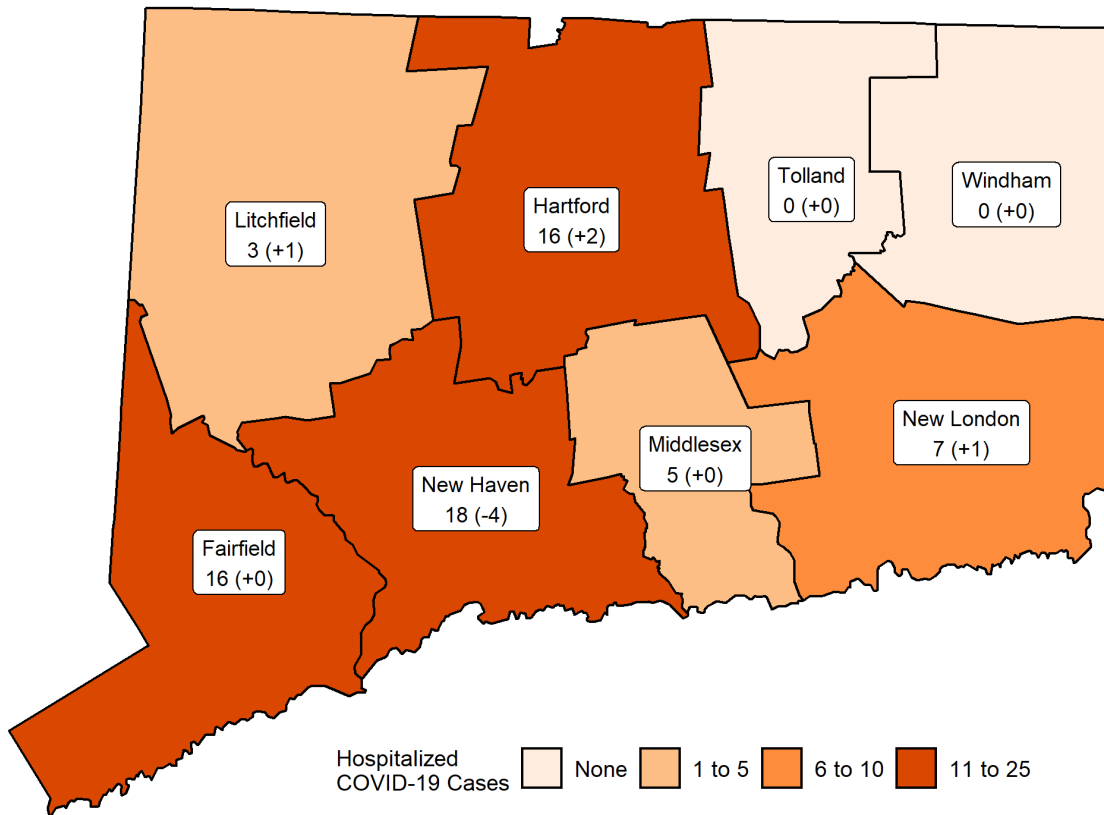
More information about hospitalized cases of COVID-19 in New Haven and Middlesex Counties is available from COVID-NET.

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, **11275** patients have been hospitalized with laboratory-confirmed COVID-19 in Connecticut and **9049** patients hospitalized with laboratory-confirmed have been discharged.

Cumulative hospitalizations and hospital discharges
As of 09/02/2020 at 8:30pm

Cumulative number of patients hospitalized

Cumulative number of patients discharged from hospital

All data are preliminary and subject to change. Updated 9/3/2020.

Laboratory Surveillance

To date, DPH has received reports on a total of 1216083 COVID-19 laboratory tests; of these 1048683 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
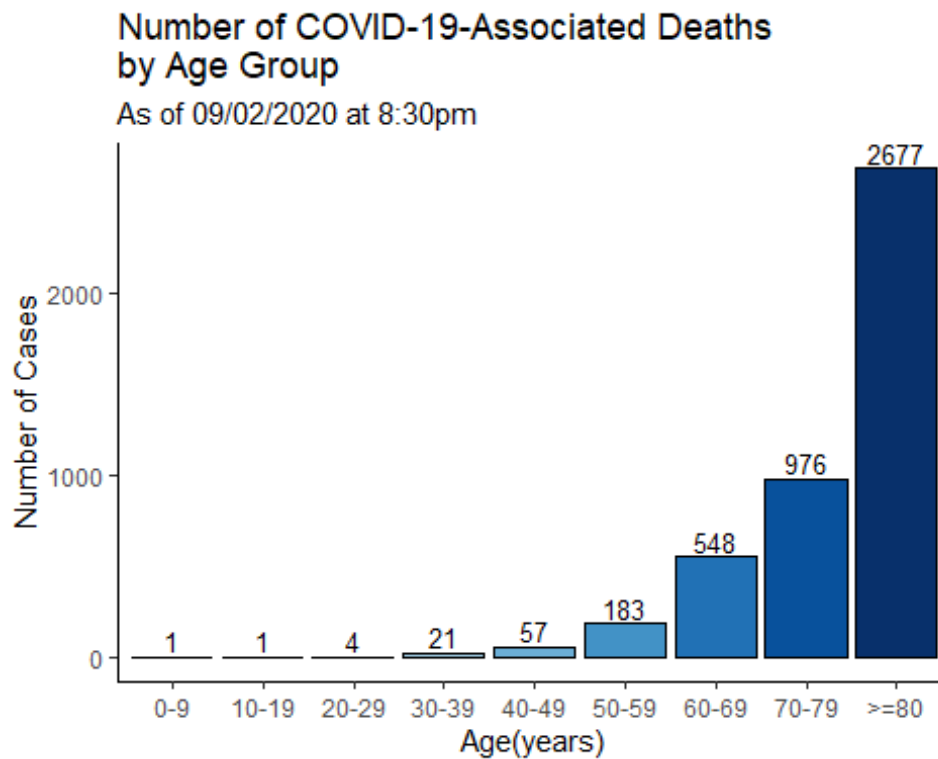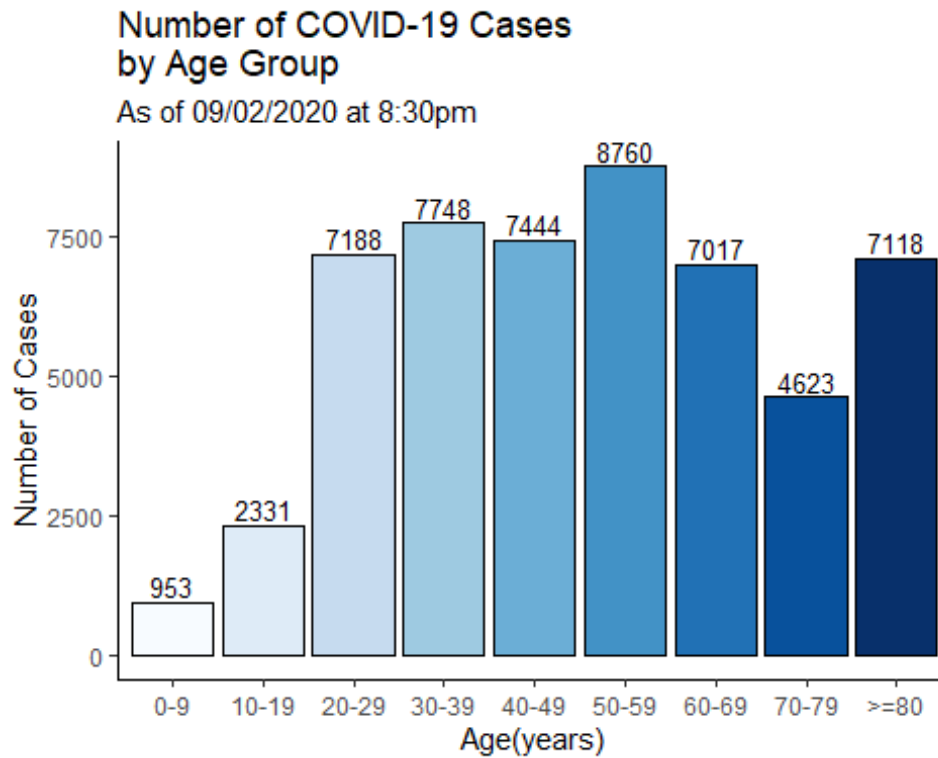
As of 09/02/2020 at 8:30pm
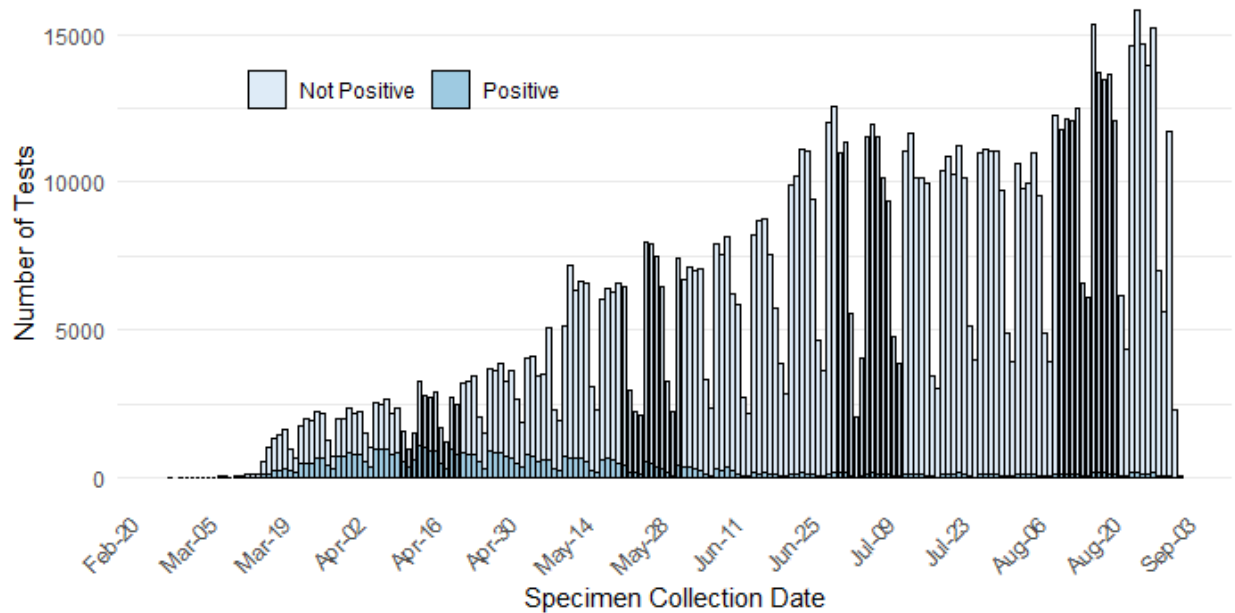
Testing of specimens collected since September 1 is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.
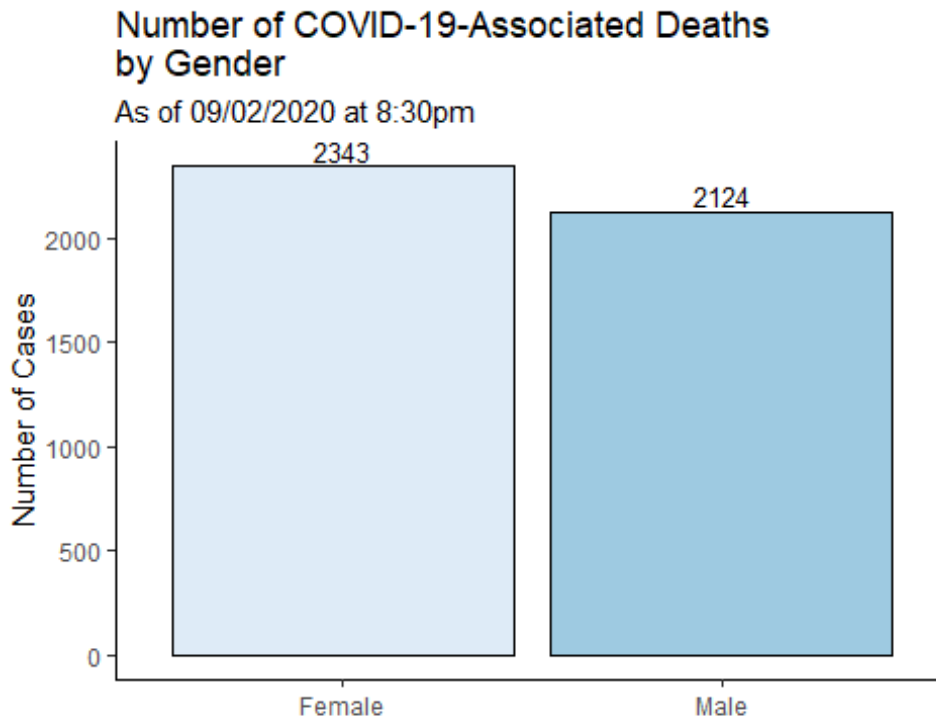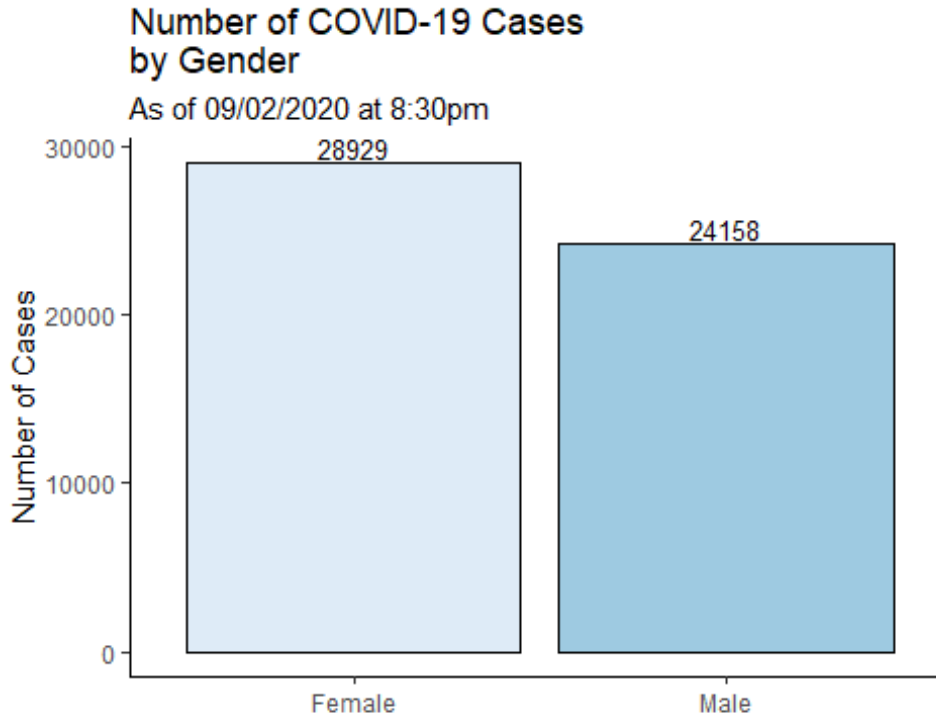
ELR = Electronic Laboratory Reporting

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 09/02/2020 at 8:30pm

Age (years)	Number of Cases
0-9	953
10-19	2331
20-29	7188
30-39	7748
40-49	7444
50-59	8760
60-69	7017
70-79	4623
>=80	7118

Number of COVID-19-Associated Deaths by Age Group
As of 09/02/2020 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	183
60-69	548
70-79	976
>=80	2677

All data are preliminary and subject to change. Updated 9/3/2020.

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

Number of COVID-19 Cases by Gender
As of 09/02/2020 at 8:30pm

Female: 28929
Male: 24158

Number of Cases

Number of COVID-19-Associated Deaths by Gender
As of 09/02/2020 at 8:30pm

Female: 2343
Male: 2124

Number of Cases

Cumulative Number of COVID-19 Cases by Town

Map does not include 95 cases pending address validation

All data are preliminary and subject to change. Updated 9/3/2020.
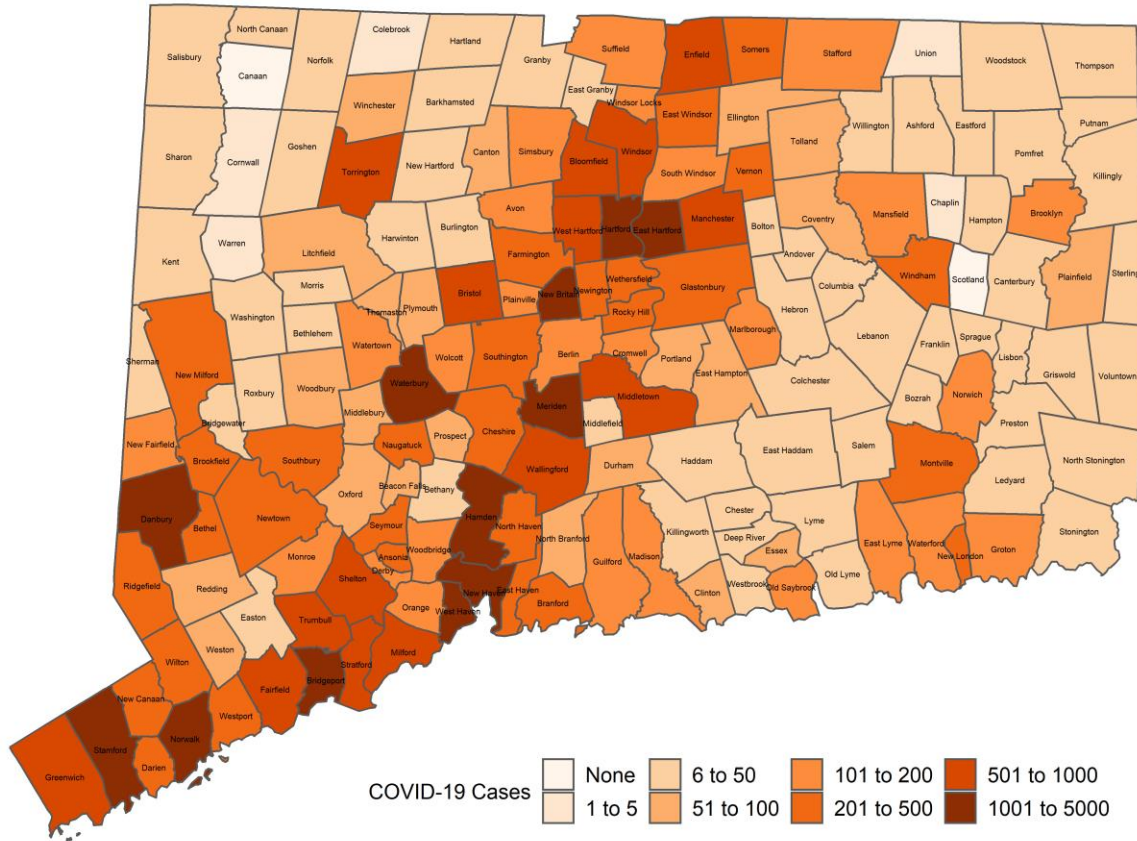
## APPENDIX A. Cumulative Number of COVID-19 Cases by Town

Table does not include 95 cases pending address validation

Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	9	0	Griswold	45	2	Prospect	77	0
Ansonia	300	7	Groton	165	14	Putnam	40	1
Ashford	22	1	Guilford	114	6	Redding	74	6
Avon	157	10	Haddam	43	1	Ridgefield	245	13
Barkhamsted	31	2	Hamden	1071	41	Rocky Hill	436	18
Beacon Falls	61	0	Hampton	7	0	Roxbury	9	3
Berlin	189	9	Hartford	2929	125	Salem	13	0
Bethany	40	1	Hartland	6	0	Salisbury	20	1
Bethel	284	20	Harwinton	35	3	Scotland	0	0
Bethlehem	12	1	Hebron	32	2	Seymour	234	10
Bloomfield	532	30	Kent	12	1	Sharon	15	0
Bolton	23	1	Killingly	45	4	Shelton	662	38
Bozrah	13	0	Killingworth	17	0	Sherman	15	4
Branford	362	12	Lebanon	27	0	Simsbury	134	15
Bridgeport	3973	120	Ledyard	34	0	Somers	291	21
Bridgewater	12	0	Lisbon	11	0	South Windsor	166	15
Bristol	670	17	Litchfield	50	2	Southbury	206	5
Brookfield	198	10	Lyme	8	0	Southington	367	15
Brooklyn	147	1	Madison	158	8	Sprague	6	1
Burlington	39	1	Manchester	782	62	Stafford	118	8
Canaan	0	0	Mansfield	117	8	Stamford	3482	77
Canterbury	19	1	Marlborough	98	4	Sterling	8	0
Canton	91	9	Meriden	997	36	Stonington	35	5
Chaplin	5	0	Middlebury	51	4	Stratford	889	41
Cheshire	239	8	Middlefield	20	0	Suffield	173	15
Chester	48	1	Middletown	653	25	Thomaston	68	2
Clinton	66	4	Milford	696	24	Thompson	46	1
Colchester	47	3	Monroe	143	5	Tolland	52	8
Colebrook	5	0	Montville	319	7	Torrington	571	23
Columbia	29	0	Morris	15	0	Trumbull	548	51
Cornwall	5	0	Naugatuck	431	11	Union	4	1
Coventry	52	4	New Britain	1295	57	Vernon	269	12
Cromwell	133	14	New Canaan	205	4	Voluntown	13	0
Danbury	2471	119	New Fairfield	129	4	Wallingford	520	12
Darien	245	7	New Hartford	35	0	Warren	5	0
Deep River	16	2	New Haven	2935	65	Washington	26	1
Derby	184	0	New London	202	6	Waterbury	2187	96
Durham	47	4	New Milford	325	15	Waterford	178	8
East Granby	13	0	Newington	413	20	Watertown	163	9
East Haddam	28	0	Newtown	261	16	West Hartford	780	58
East Hampton	54	5	Norfolk	14	1	West Haven	1141	44
East Hartford	998	58	North Branford	92	4	Westbrook	34	0
East Haven	430	25	North Canaan	8	1	Weston	86	3
East Lyme	152	12	North Haven	295	7	Westport	339	14
East Windsor	198	14	North Stonington	15	1	Wethersfield	282	6
Eastford	12	0	Norwalk	2134	59	Willington	16	0
Easton	35	1	Norwich	179	8	Wilton	224	26
Ellington	77	4	Old Lyme	27	0	Winchester	65	1
Enfield	712	14	Old Saybrook	118	4	Windham	329	0
Essex	53	0	Orange	139	4	Windsor	577	44
Fairfield	695	55	Oxford	89	4	Windsor Locks	134	6
Farmington	236	8	Plainfield	69	1	Wolcott	124	7
Franklin	16	0	Plainville	179	2	Woodbridge	141	8
Glastonbury	318	26	Plymouth	77	5	Woodbury	57	1
Goshen	13	1	Pomfret	20	0	Woodstock	31	0
Granby	34	2	Portland	75	4			
Greenwich	920	45	Preston	25	1			

All data are preliminary and subject to change. Updated 9/3/2020.

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
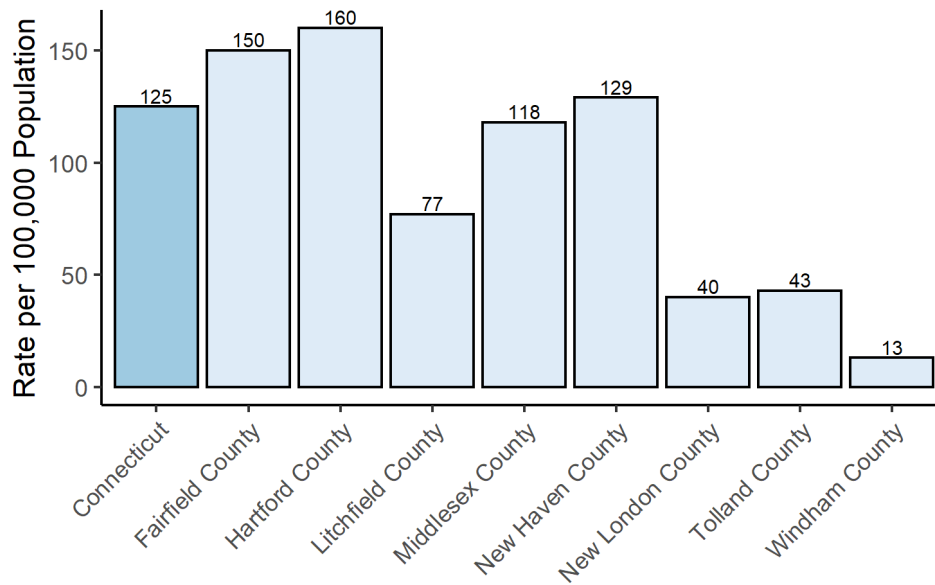
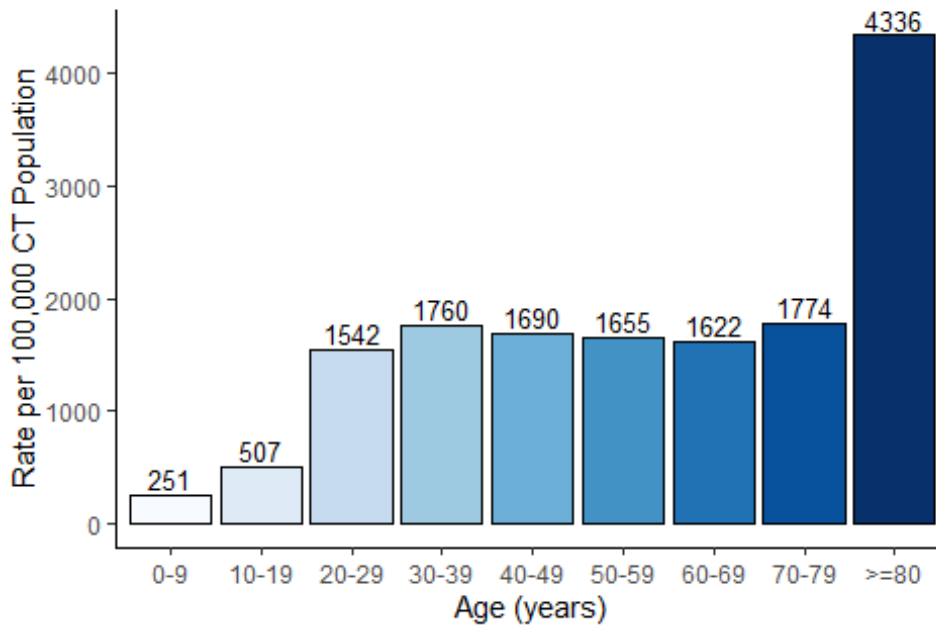## Rate of COVID-19 Cases Statewide and by County
As of 09/02/2020 at 8:30pm
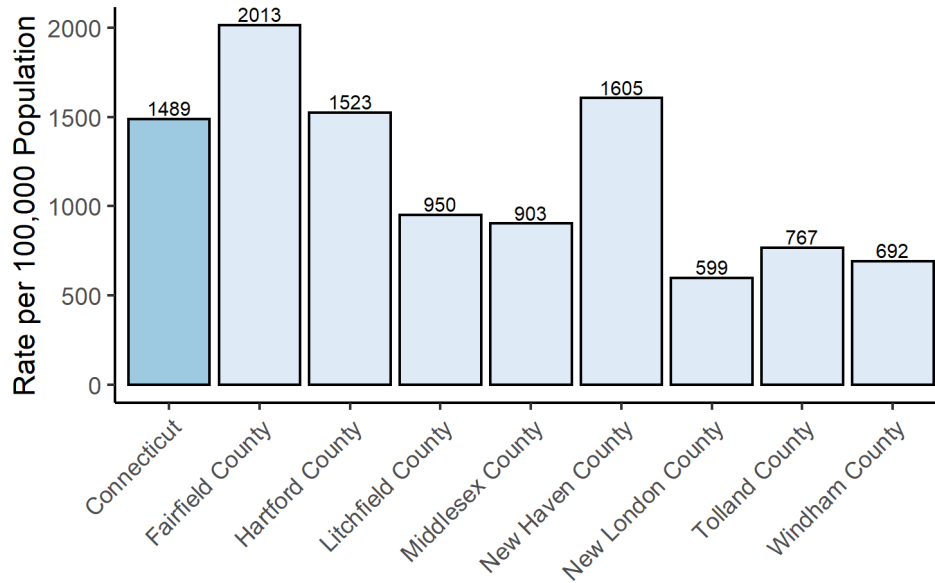
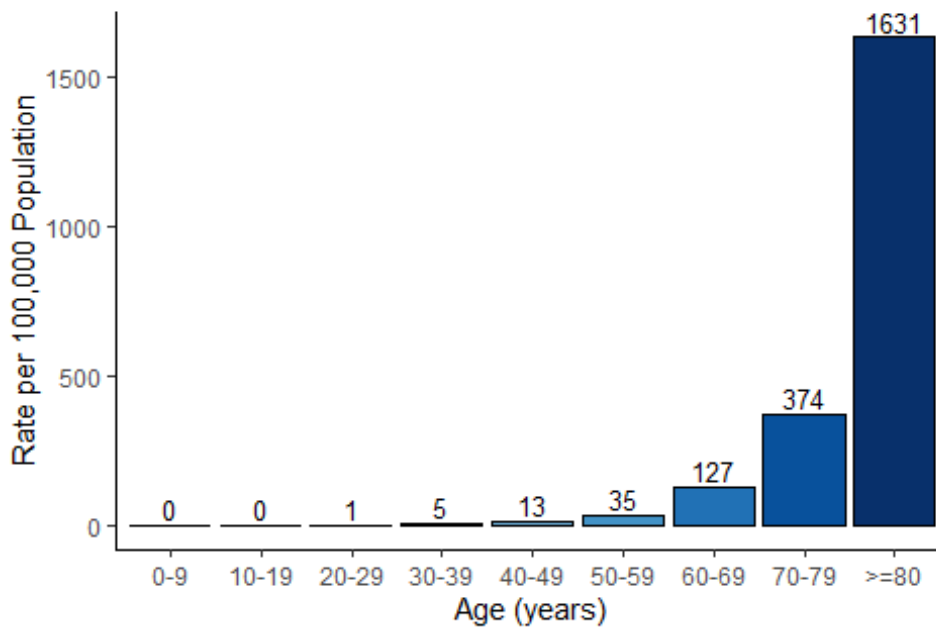## Rate of COVID-19-Associated Deaths Statewide and by County
As of 09/02/2020 at 8:30pm

All data are preliminary and subject to change. Updated 9/3/2020.

Rate of COVID-19 Cases
by Age Group

As of 09/02/2020 at 8:30pm

Rate of COVID-19-Associated Deaths
by Age Group
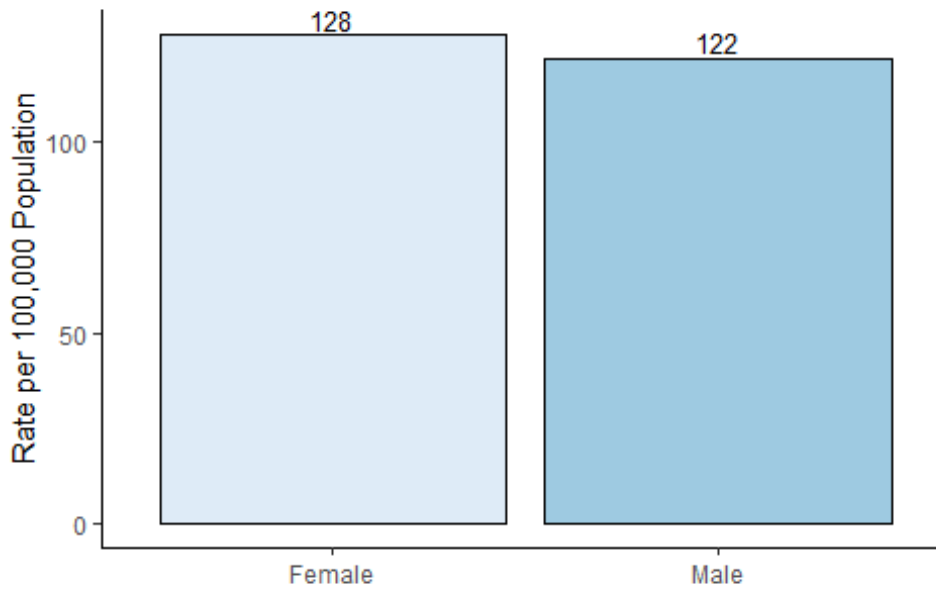
As of 09/02/2020 at 8:30pm

Rate of COVID-19 Cases by Gender
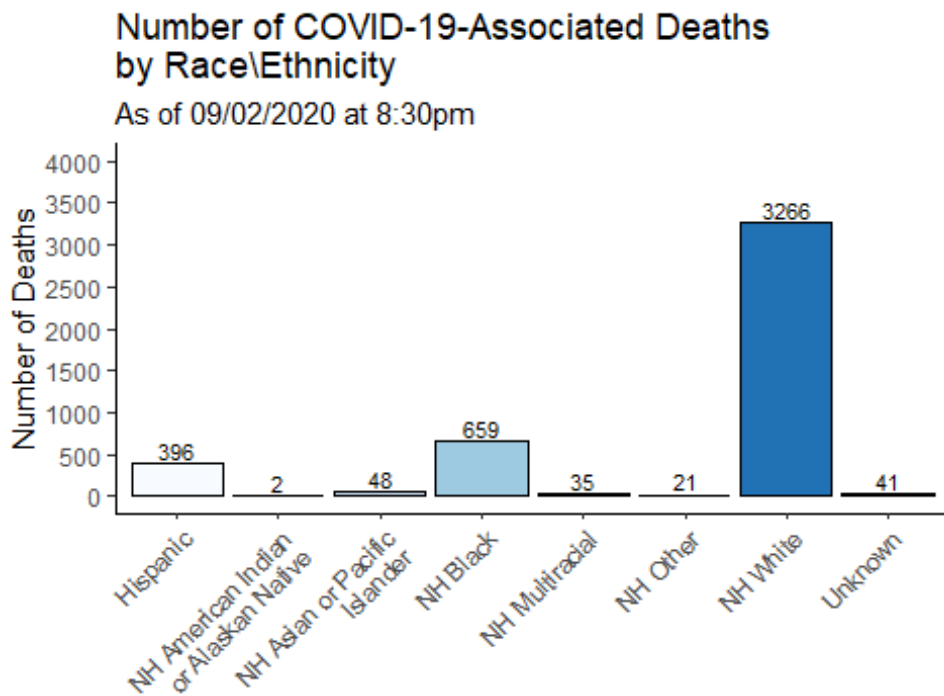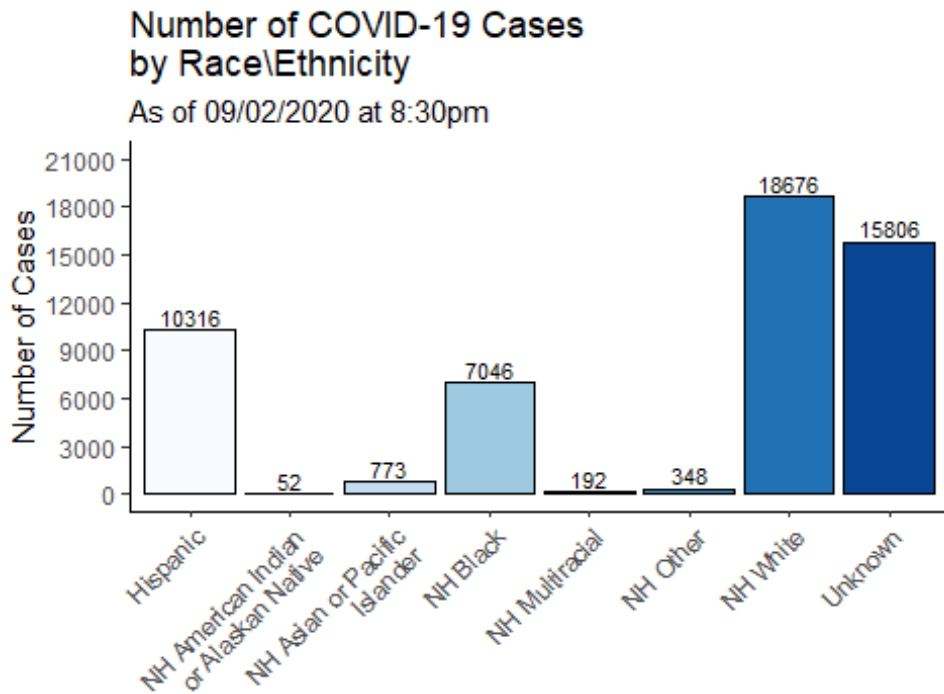
As of 09/02/2020 at 8:30pm
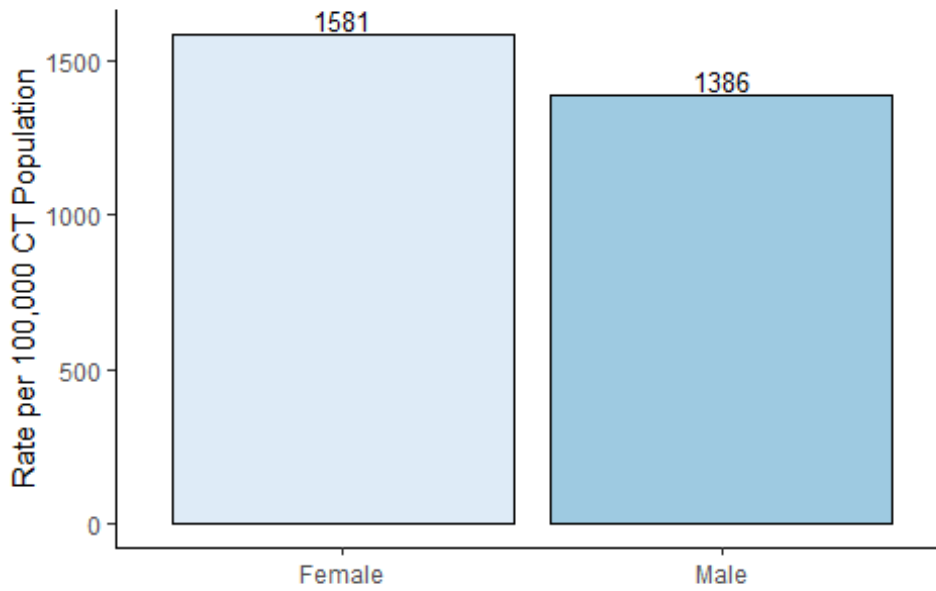
Rate of COVID-19-Associated Deaths by Gender
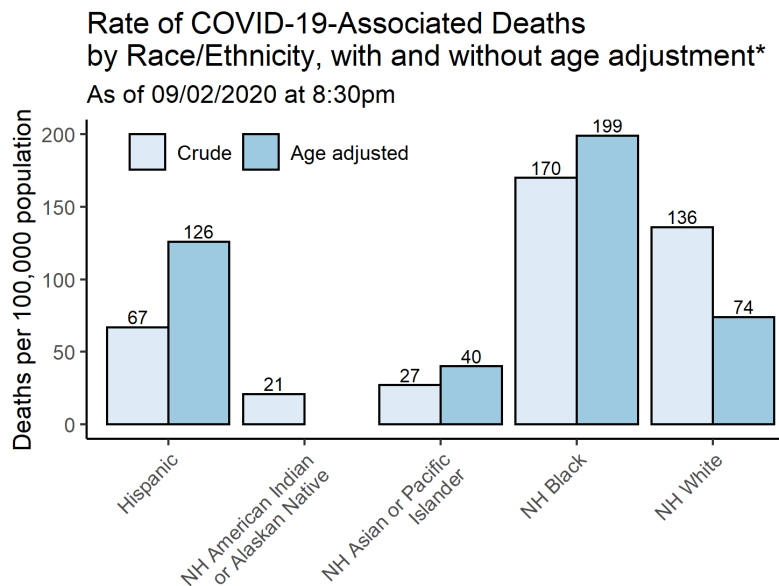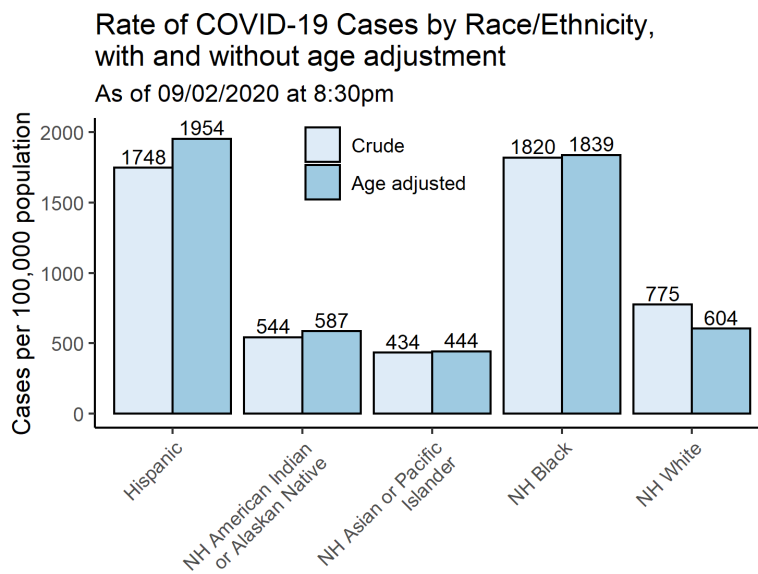
As of 09/02/2020 at 8:30pm

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 09/02/2020 at 8:30pm

Number of COVID-19-Associated Deaths by Race\Ethnicity
As of 09/02/2020 at 8:30pm

All data are preliminary and subject to change. Updated 9/3/2020.

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 09/02/2020 at 8:30pm

Rate of COVID-19-Associated Deaths by Race/Ethnicity, with and without age adjustment*
As of 09/02/2020 at 8:30pm

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

All data are preliminary and subject to change. Updated 9/3/2020.