COVID-19 Update September 17, 2020

As of **September 16, 2020, at 8:30 PM**, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is **55386**, including **53087** laboratory-confirmed and **2299** probable cases. **Seventy-five** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **4488** 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 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	55386	+220
COVID-19-Associated Deaths	4488	+1
Patients Currently Hospitalized with COVID-19	75	+5
COVID-19 PCR Tests Reported	1405974	+13857

***Includes confirmed plus probable cases*

COVID-19 Cases and Associated Deaths by County of Residence
As of 09/16/20 8:30pm.

County	COVID-19 Cases		COVID-19-Associated Deaths	
	Confirmed	Probable	Confirmed	Probable
Fairfield County	18892	786	1105	314
Hartford County	13528	677	1112	322
Litchfield County	1727	88	119	21
Middlesex County	1468	69	154	39
New Haven County	13651	494	955	156
New London County	1635	70	83	28
Tolland County	1189	100	51	14
Windham County	880	10	14	1
Pending address validation	*117*	*5*	*0*	*0*
Total	**53087**	**2299**	**3593**	**895**

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 9/17/2020.

COVID-19 Cases and Deaths Over Time

The chart below shows the number of new COVID-19 cases reported to CT DPH by week of specimen collection or onset of illness. In the past four weeks, the number of new COVID-19 cases per week increased 62% compared to July and early August.

On average, there were 949 new COVID-19 cases diagnosed per week during August 16–September 12, (range 867–1027 cases per week). During July 19–August 15, the average was 585 new COVID-19 cases per week (range 526–648 cases per week). This corresponds to an increase from 2.3 new cases per 100,000 population per day (July 19–August 15) to 3.8 new cases per 100,000 population per day (August 16–September 12).

Number of COVID-19 Cases among Connecticut Residents by Week of Specimen Collection or Onset, June 21–September 16, 2020
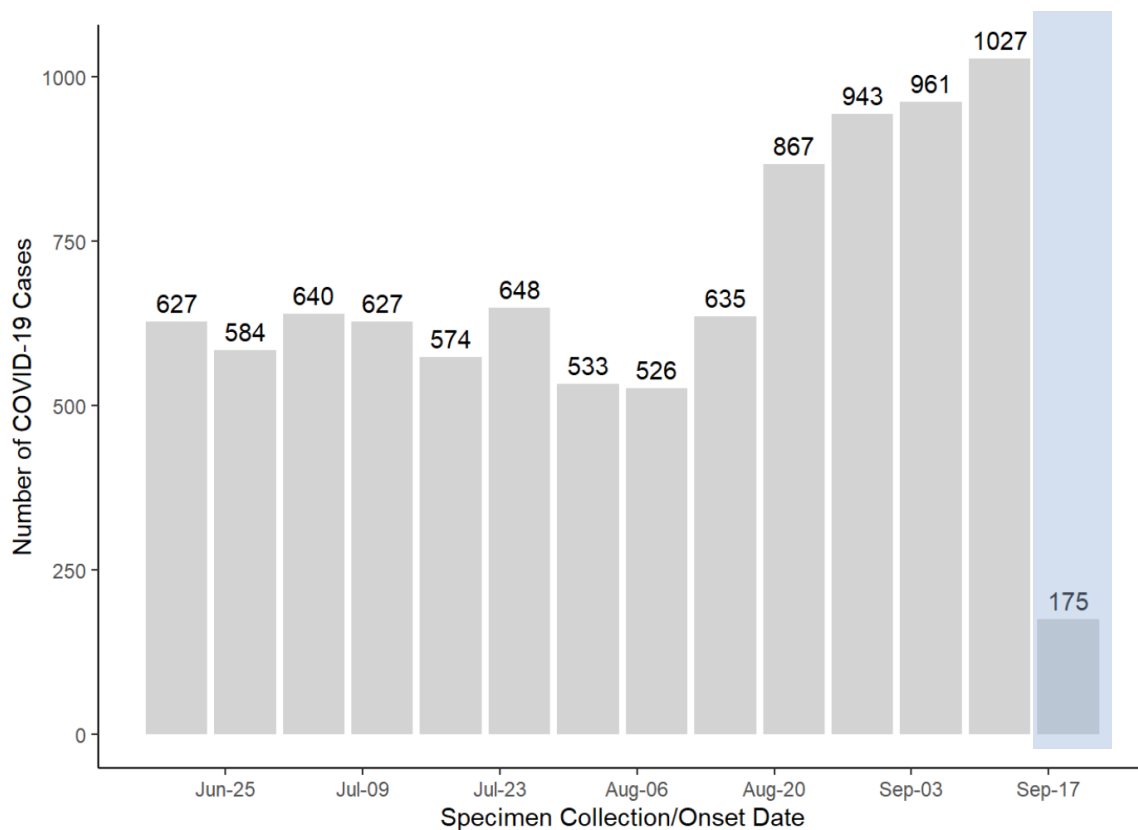
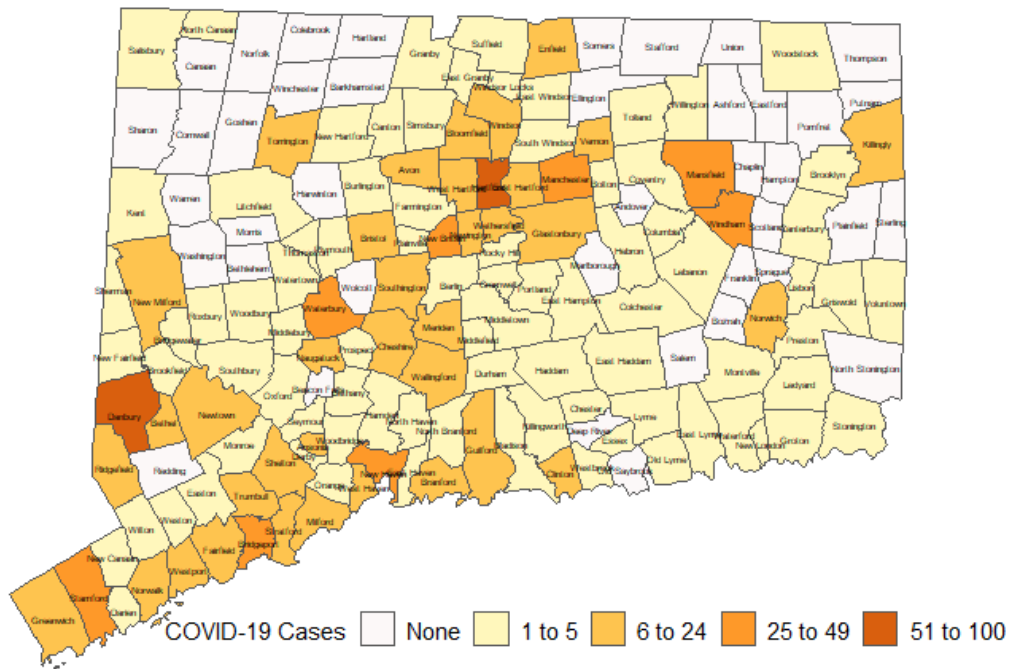*Shading indicates data are incomplete for the current week.*

New Cases during September 6–12, 2020

Among 94,528 PCR tests for COVID-19 with specimen collection date during September 6–12, 1159 test results were positive. There were 1027 people who tested positive for the first time or had onset of symptoms during September 6–12. Of these 1027 people, 1010 (98%) cases were among people who reside in community settings and 17 (2%) 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 1010 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 September 6-12

Map does not include 6 cases pending address validation.

All data are preliminary and subject to change. Updated 9/17/2020.

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 September 6-12

Map does not include 6 cases pending address validation.

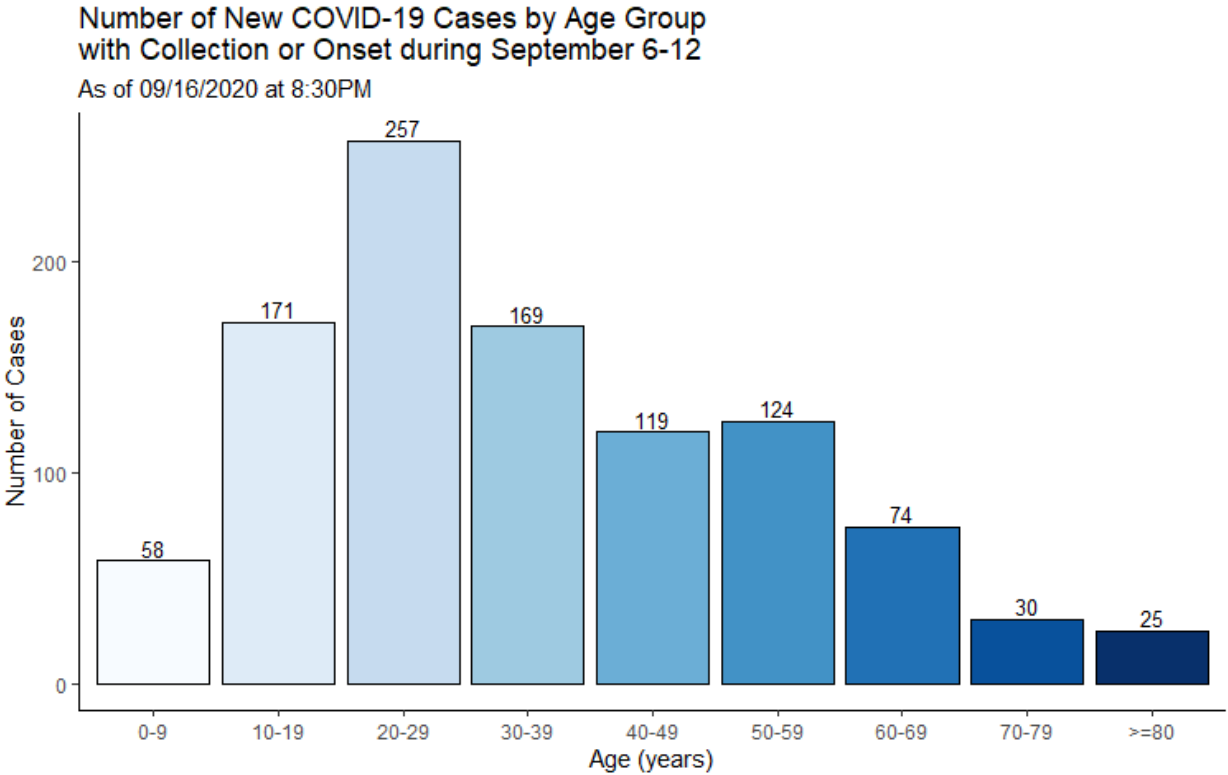All data are preliminary and subject to change. Updated 9/17/2020.
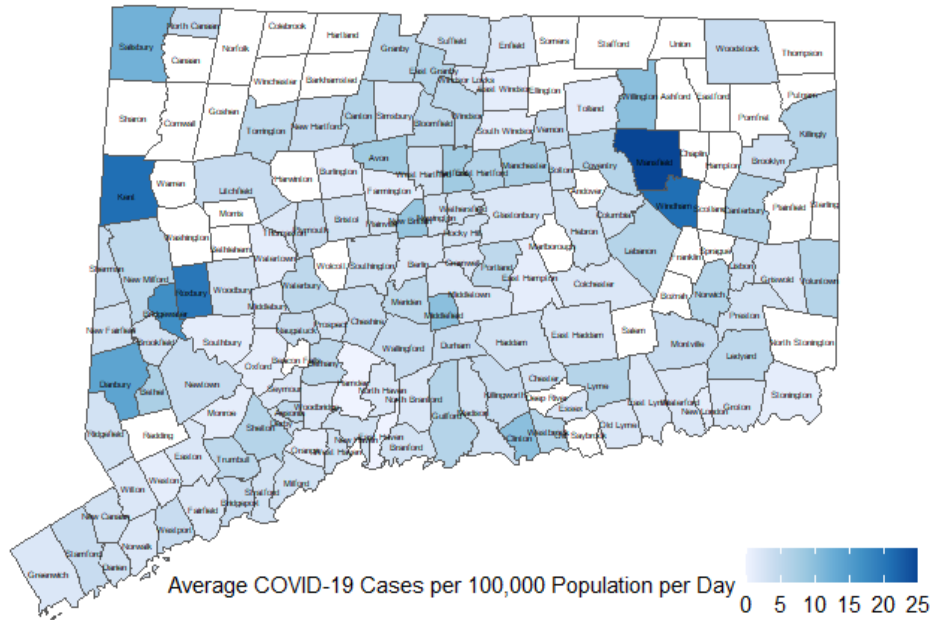
Population, Number and Average Daily Rate of COVID-19 Cases among Persons Living in Community Settings by Town with Specimen Collection or Onset Date during September 6–12, 2020

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	<5	3
Ansonia	18721	6	5	Guilford	22216	9	6	Putnam	9395	0	0
Ashford	4261	0	0	Haddam	8222	<5	3	Redding	9125	0	0
Avon	18302	10	8	Hamden	60940	<5	0	Ridgefield	25008	6	3
Barkhamsted	3624	0	0	Hampton	1853	0	0	Rocky Hill	20145	<5	3
Beacon Falls	6182	0	0	Hartford	122587	69	8	Roxbury	2160	<5	20
Berlin	20432	<5	2	Hartland	2120	0	0	Salem	4123	0	0
Bethany	5479	<5	5	Harwinton	5430	0	0	Salisbury	3598	<5	12
Bethel	19714	10	7	Hebron	9482	<5	3	Scotland	1685	0	0
Bethlehem	3422	0	0	Kent	2785	<5	21	Seymour	16509	<5	2
Bloomfield	21301	7	5	Killingly	17287	7	6	Sharon	2703	0	0
Bolton	4890	<5	3	Killingworth	6370	<5	4	Shelton	41097	16	6
Bozrah	2537	0	0	Lebanon	7207	<5	6	Sherman	3614	<5	4
Branford	28005	6	3	Ledyard	14736	<5	5	Simsbury	24979	<5	2
Bridgeport	144900	43	4	Lisbon	4248	<5	3	Somers	10834	0	0
Bridgewater	1641	<5	17	Litchfield	8127	<5	4	South			
Bristol	60032	11	3	Lyme	2338	<5	6	Windsor	26054	<5	1
Brookfield	17002	<5	3	Madison	18106	<5	3	Southbury	19656	<5	1
Brooklyn	8280	<5	3	Manchester	57699	29	7	Southington	43807	9	3
Burlington	9665	<5	1	Mansfield	25817	45	25	Sprague	2889	0	0
Canaan	1055	0	0	Marlborough	6358	0	0	Stafford	11884	0	0
Canterbury	5100	<5	6	Meriden	59540	19	5	Stamford	129775	39	4
Canton	10270	<5	6	Middlebury	7731	<5	2	Sterling	3780	0	0
Chaplin	2256	0	0	Middlefield	4380	<5	10	Stonington	18449	<5	1
Cheshire	29179	9	4	Middletown	46146	<5	2	Stratford	51967	10	3
Chester	4229	<5	3	Milford	54661	10	3	Suffield	15743	<5	3
Clinton	12950	9	10	Monroe	19470	<5	1	Thomaston	7560	<5	2
Colchester	15936	<5	2	Montville	18716	<5	4	Thompson	9395	0	0
Colebrook	1405	0	0	Morris	2262	0	0	Tolland	14655	<5	1
Columbia	5385	<5	3	Naugatuck	31288	8	4	Torrington	34228	12	5
Cornwall	1368	0	0	New Britain	72453	47	9	Trumbull	35802	12	5
Coventry	12414	<5	6	New Canaan	20213	<5	3	Union	840	0	0
Cromwell	13905	<5	2	New Fairfield	13877	<5	3	Vernon	29303	9	4
Danbury	84730	84	14	New Hartford	6685	<5	4	Voluntown	2535	<5	6
Darien	21753	<5	3	New Haven	130418	27	3	Wallingford	44535	11	4
Deep River	4463	0	0	New London	26939	<5	1	Warren	1399	0	0
Derby	12515	<5	3	New Milford	26974	9	5	Washington	3434	0	0
Durham	7195	<5	4	Newington	30112	6	3	Waterbury	108093	37	5
East Granby	5147	<5	6	Newtown	27774	7	4	Waterford	18887	<5	2
East Haddam	8988	<5	2	Norfolk	1640	0	0	Watertown	21641	<5	1
East Hampton	12854	<5	1	North				West Hartford	62939	15	3
East Hartford	49998	22	6	Branford	14158	<5	2	West Haven	54879	10	3
East Haven	28699	<5	0	North Canaan	3254	<5	4	Westbrook	6914	<5	6
East Lyme	18645	<5	2	North Haven	23691	<5	2	Weston	10247	<5	1
East Windsor	11375	<5	1	North				Westport	28115	8	4
Eastford	1790	0	0	Stonington	5243	0	0	Wethersfield	26082	6	3
Easton	7517	<5	2	Norwalk	89047	12	2	Willington	5887	<5	10
Ellington	16299	0	0	Norwich	39136	16	6	Wilton	18397	<5	2
Enfield	44466	7	2	Old Lyme	7366	<5	2	Winchester	10655	0	0
Essex	6674	<5	2	Old Saybrook	10087	0	0	Windham	24706	37	21
Fairfield	61952	8	2	Orange	13949	<5	1	Windsor	28760	10	5
Farmington	25506	<5	1	Oxford	13226	<5	1	Windsor Locks	12876	<5	2
Franklin	1933	0	0	Plainfield	15173	0	0	Wolcott	16649	0	0
Glastonbury	34491	6	2	Plainville	17623	<5	3	Woodbridge	8805	<5	2
Goshen	2879	0	0	Plymouth	11645	<5	4	Woodbury	9537	<5	3
Granby	11375	<5	5	Pomfret	4204	0	0	Woodstock	7862	<5	4
Greenwich	62727	8	2	Portland	9305	<5	5				
Griswold	11591	<5	2	Preston	4638	<5	3				

All data are preliminary and subject to change. Updated 9/17/2020.

COVID-19 PCR Tests during September 6–12, 2020

Among 94,528 PCR tests for COVID-19 with specimen collection date during September 6–12, 85,446 (90%) tests were conducted among people who did not reside in congregate settings (including nursing homes, assisted living, and correctional facilities). Of these 85,446 tests, 1116 (1%) were positive. The map below shows the number of PCR COVID-19 tests by town with specimen collection date during September 6–12 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 September 6-12

Map does not include 2536 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 September 6–12, 2020

Number of New COVID-19 Cases by Age Group with Collection or Onset during September 6-12
As of 09/16/2020 at 8:30PM

Age (years)	Number of Cases
0-9	58
10-19	171
20-29	257
30-39	169
40-49	119
50-59	124
60-69	74
70-79	30
>=80	25

All data are preliminary and subject to change.

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.

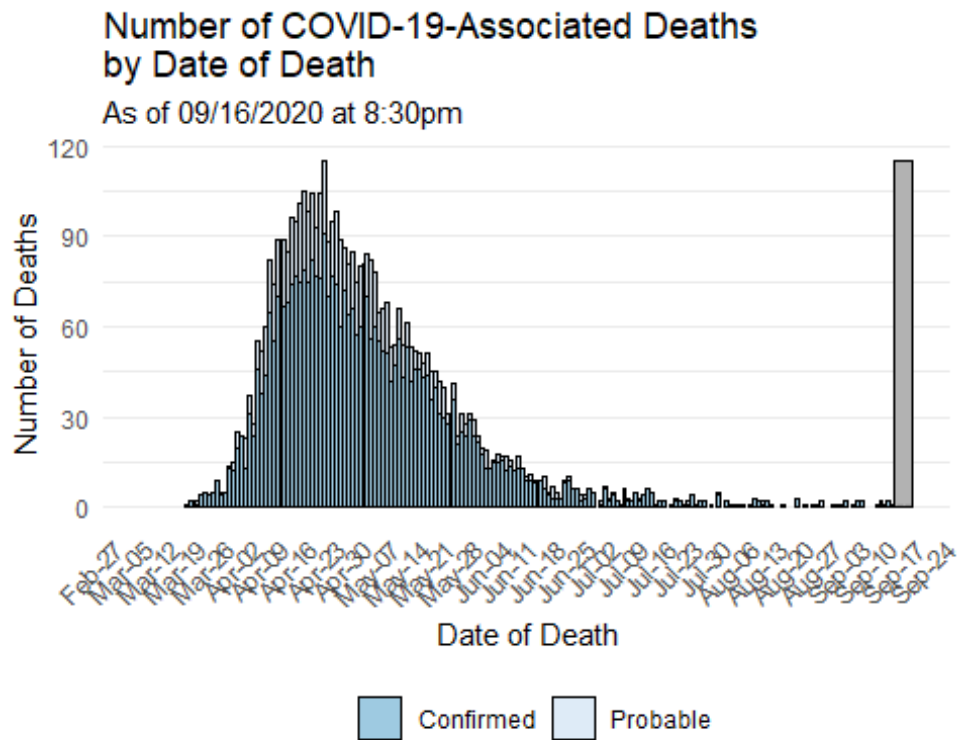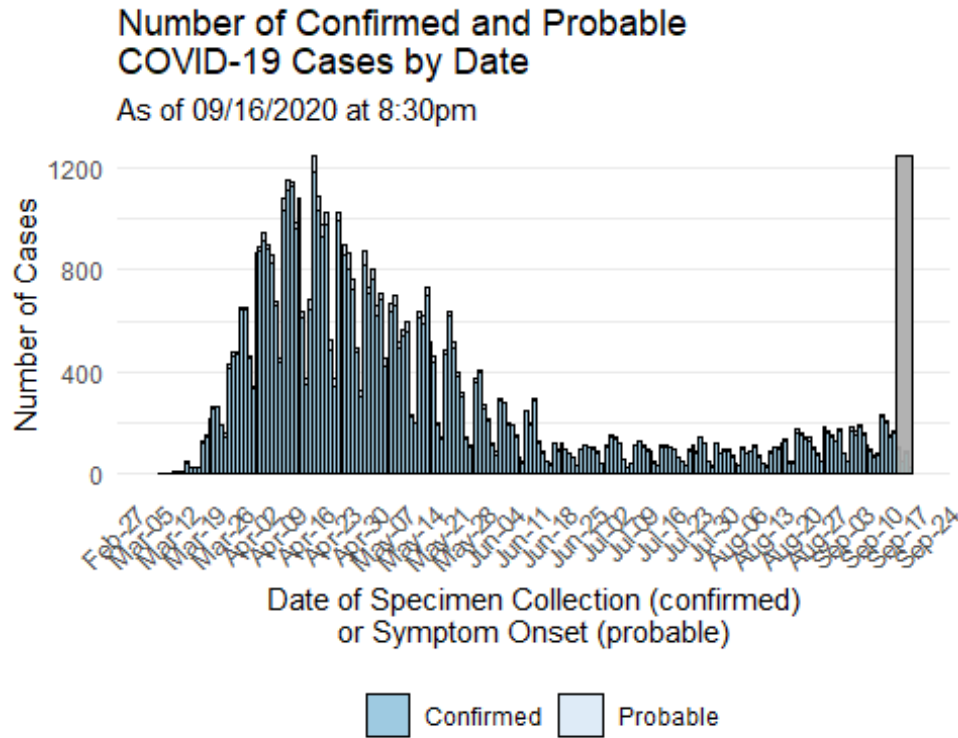Average daily rate of COVID-19 cases by age group and week
As of 8/26/2020 at 8:30 PM

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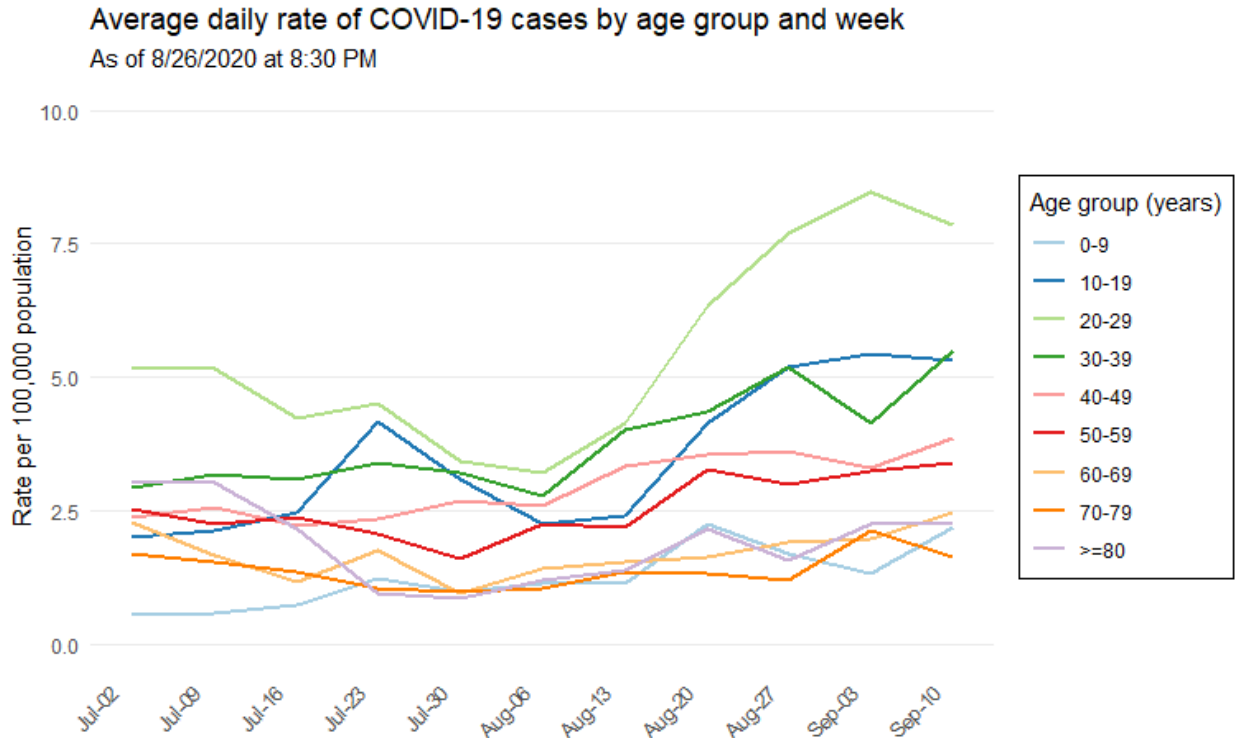
Average Daily Incidence by County

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 09/16/2020 at 8:30PM
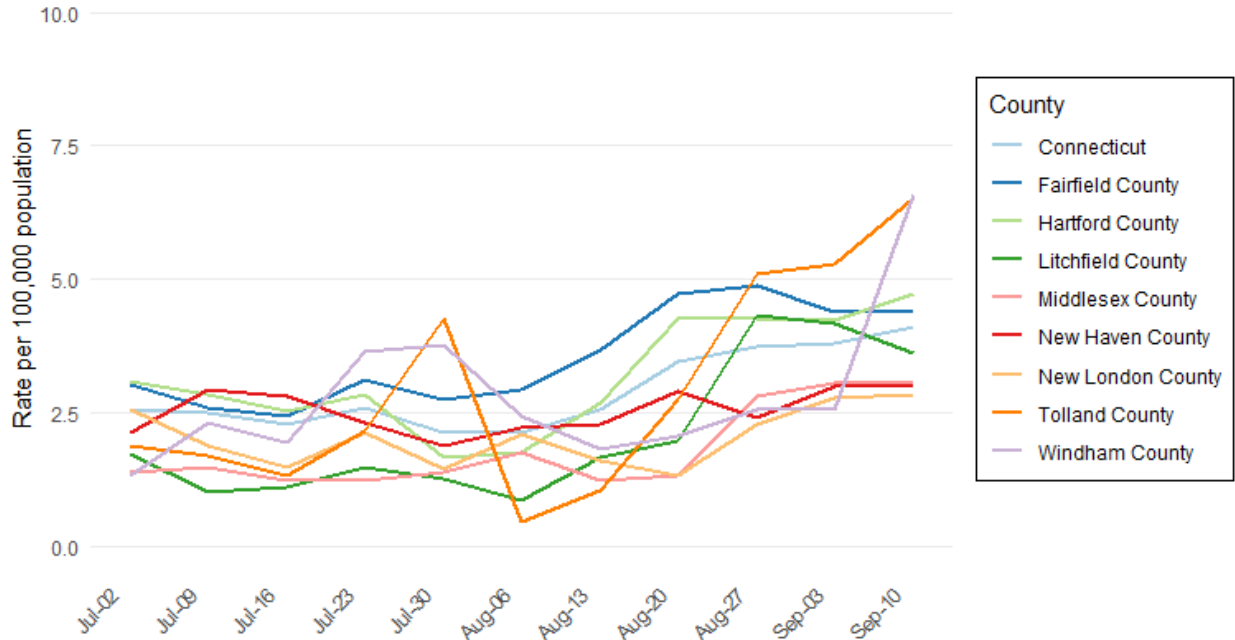
Notes: Incidence rates are based on average cases per day for each week divided by the estimated annual population and multiplied by 100,000. Cases pending address validation are excluded from rate calculations.

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.
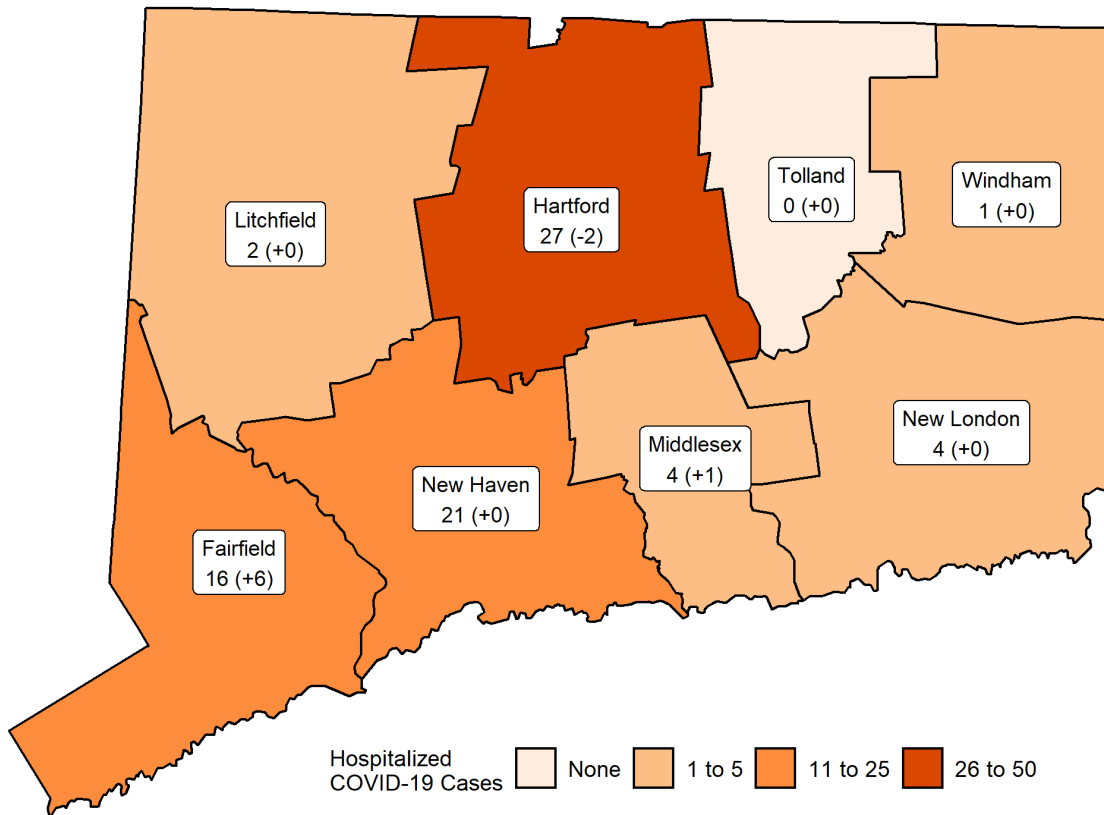
Number of Confirmed and Probable COVID-19 Cases by Date

As of 09/16/2020 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 09/16/2020 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.
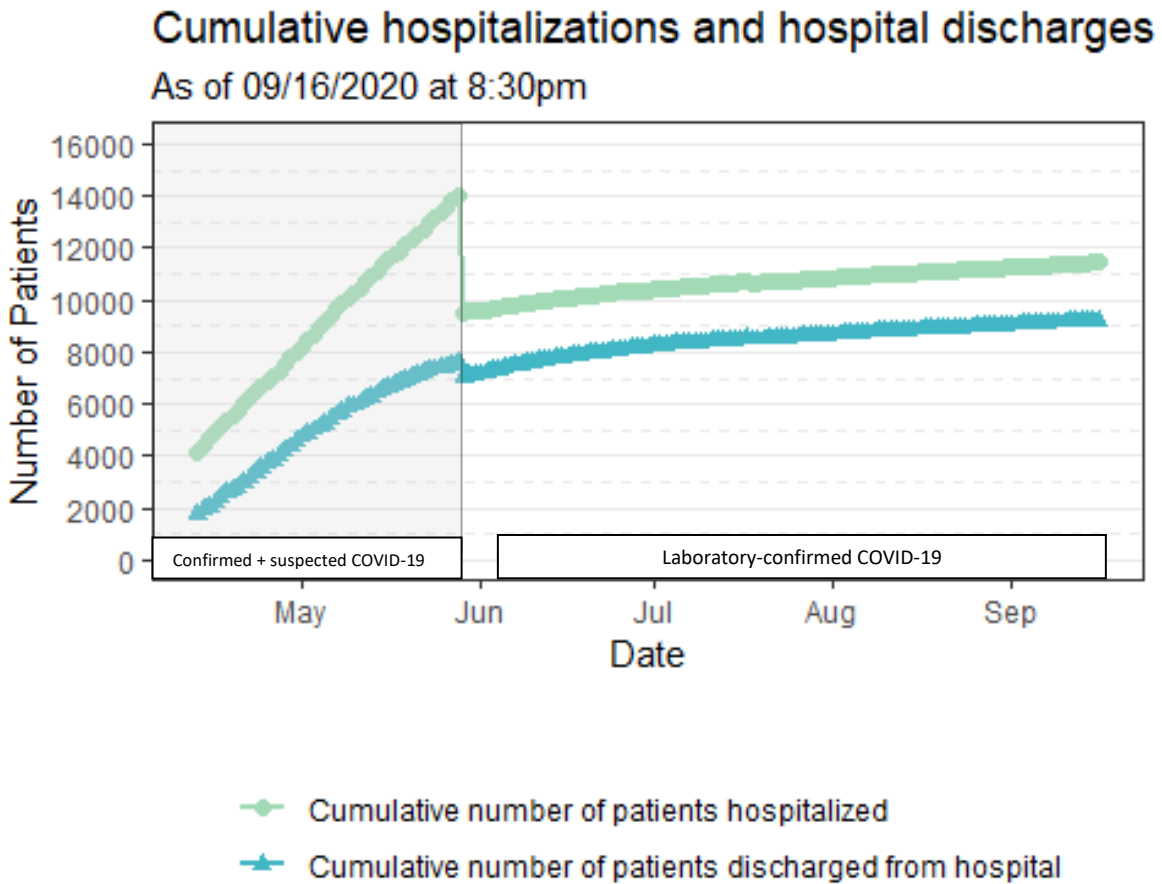
Patients Currently Hospitalized by Connecticut County
Distribution by location of hospital not patient residence. Data from the Connecticut Hospital Association.

Tolland
0 (+0)

Windham
1 (+0)

Litchfield
2 (+0)

Hartford
27 (-2)

New London
4 (+0)

Middlesex
4 (+1)

New Haven
21 (+0)

Fairfield
16 (+6)

Hospitalized COVID-19 Cases | None | 1 to 5 | 11 to 25 | 26 to 50

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, **11447** patients have been hospitalized with laboratory-confirmed COVID-19 in Connecticut and **9204** patients hospitalized with laboratory-confirmed have been discharged.

Cumulative hospitalizations and hospital discharges
As of 09/16/2020 at 8:30pm

- Confirmed + suspected COVID-19
- Laboratory-confirmed COVID-19

Legend:
- 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 1405974 COVID-19 laboratory tests; of these 1239420 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.
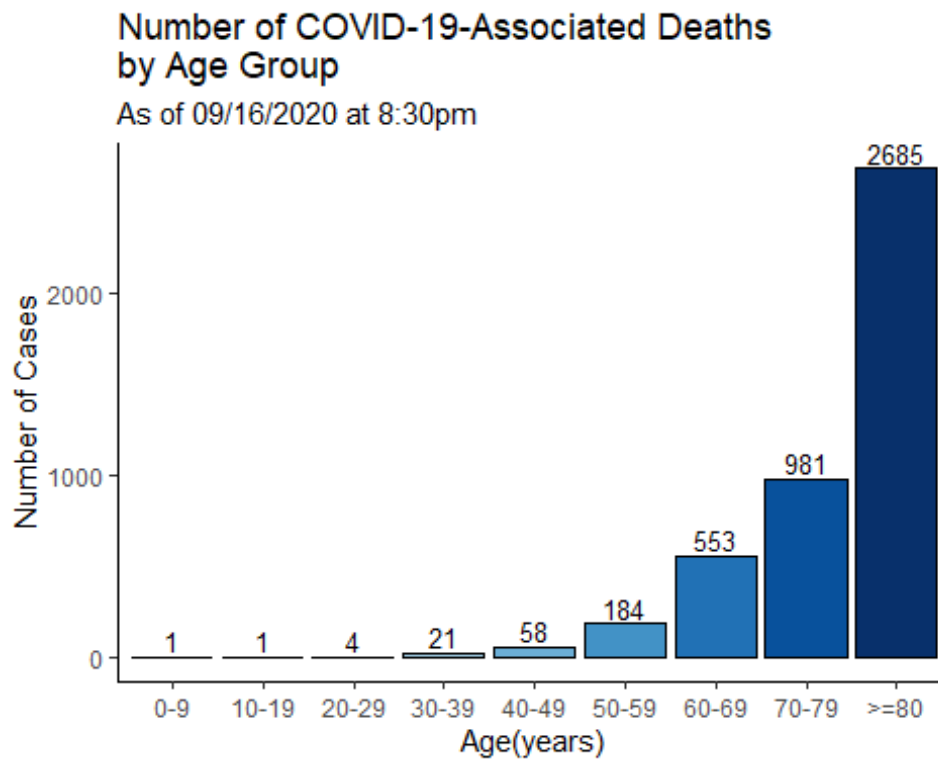

Number of Laboratory Tests for COVID-19 Reported via ELR by Specimen Collection Date
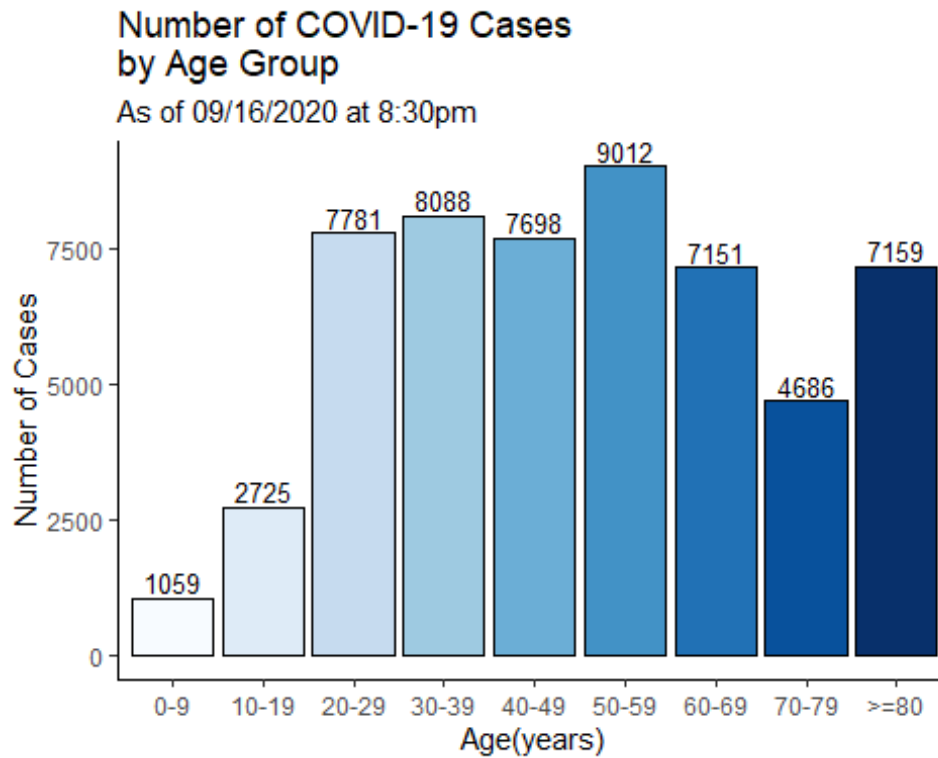As of 09/16/2020 at 8:30pm
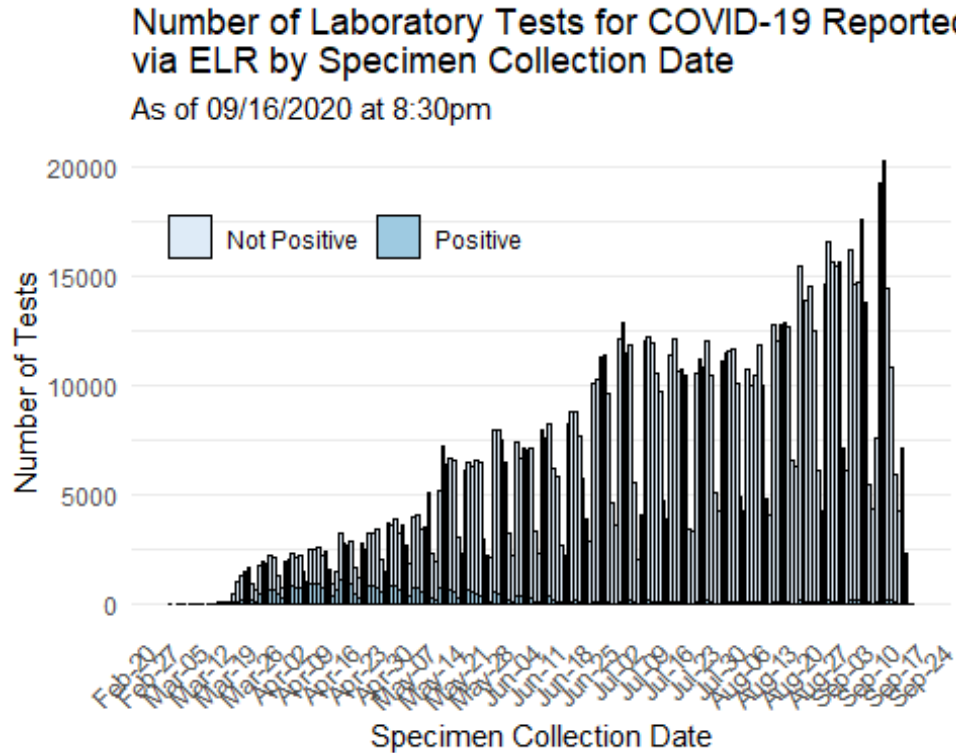
Testing of specimens collected since September 14 is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.
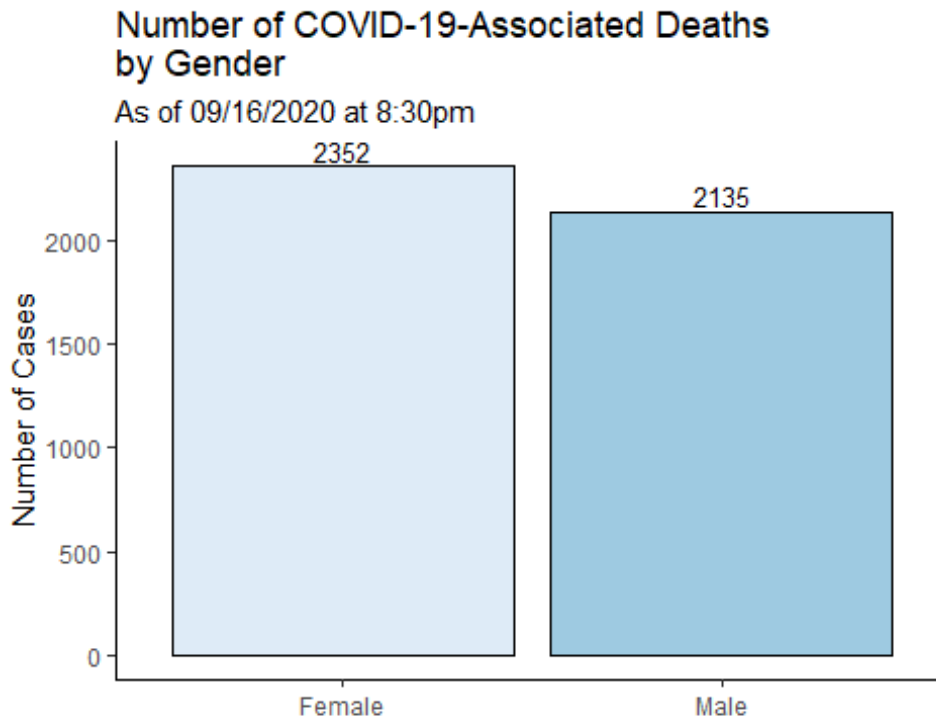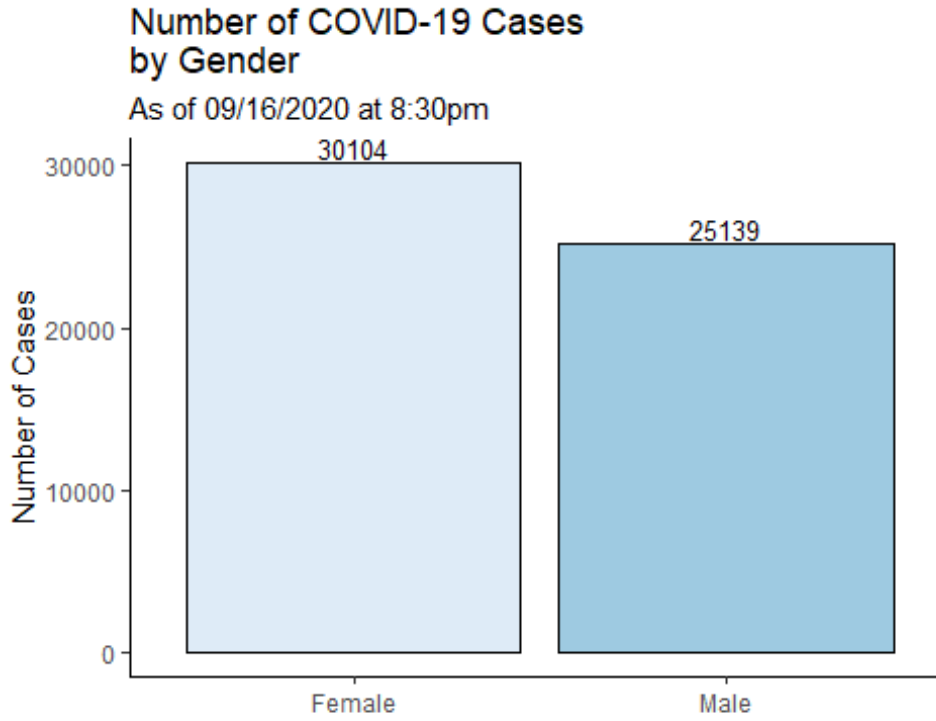
ELR = Electronic Laboratory Reporting

Characteristics of COVID-19 Cases and Associated Deaths

Counts may not add up to total case count because demographic data may be missing.
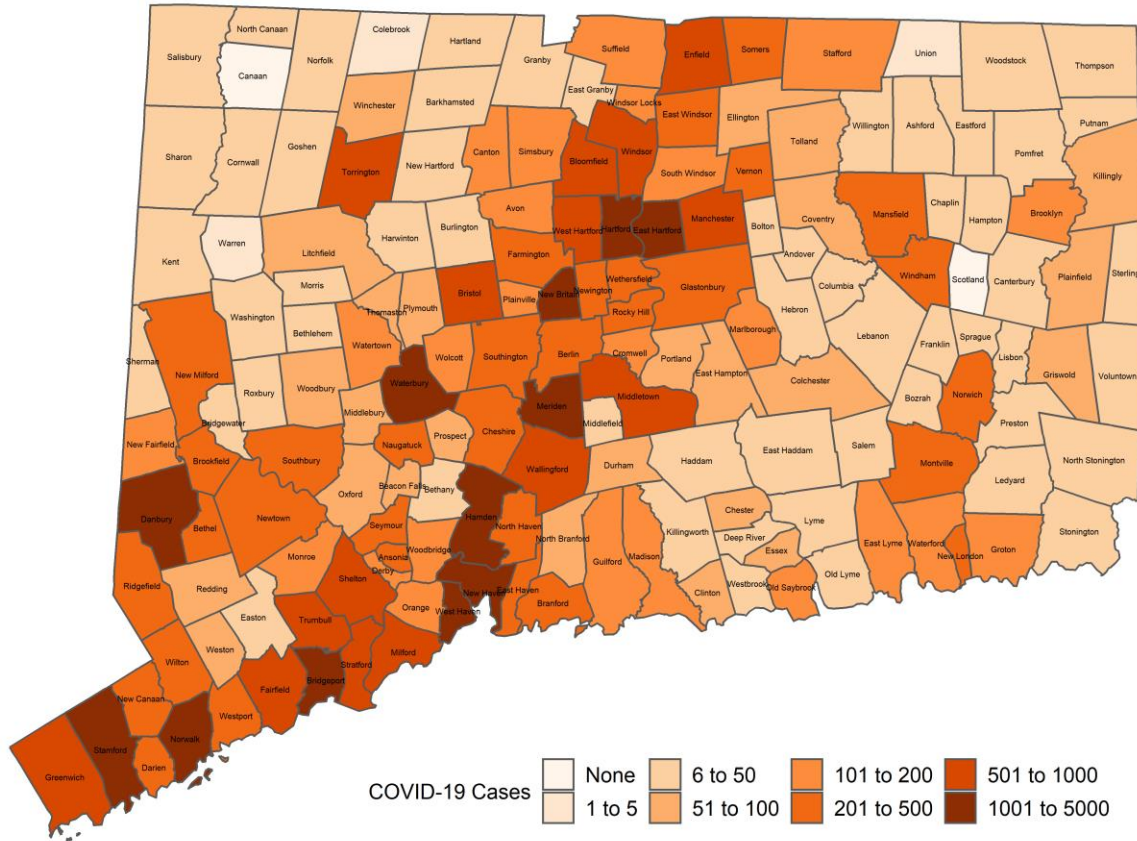
Number of COVID-19 Cases by Age Group
As of 09/16/2020 at 8:30pm

Age(years)	Number of Cases
0-9	1059
10-19	2725
20-29	7781
30-39	8088
40-49	7698
50-59	9012
60-69	7151
70-79	4686
>=80	7159

Number of COVID-19-Associated Deaths by Age Group
As of 09/16/2020 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	553
70-79	981
>=80	2685

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 09/16/2020 at 8:30pm

Number of Cases

- Female: 30104
- Male: 25139

Number of COVID-19-Associated Deaths by Gender
As of 09/16/2020 at 8:30pm

Number of Cases

- Female: 2352
- Male: 2135

All data are preliminary and subject to change.

Cumulative Number of COVID-19 Cases by Town

Map does not include 117 cases pending address validation

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

Table does not include 117 cases pending address validation

Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	9	0	Griswold	51	2	Prospect	78	0
Ansonia	305	8	Groton	179	14	Putnam	41	1
Ashford	22	1	Guilford	128	10	Redding	75	7
Avon	172	10	Haddam	46	1	Ridgefield	258	13
Barkhamsted	31	2	Hamden	1089	42	Rocky Hill	453	18
Beacon Falls	62	0	Hampton	8	0	Roxbury	14	3
Berlin	196	9	Hartford	3054	127	Salem	15	0
Bethany	44	1	Hartland	6	0	Salisbury	24	1
Bethel	302	23	Harwinton	35	3	Scotland	0	0
Bethlehem	12	1	Hebron	37	2	Seymour	236	10
Bloomfield	554	30	Kent	18	3	Sharon	15	0
Bolton	26	2	Killingly	56	4	Shelton	686	40
Bozrah	15	0	Killingworth	20	0	Sherman	15	5
Branford	373	13	Lebanon	30	0	Simsbury	143	14
Bridgeport	4088	123	Ledyard	41	0	Somers	293	21
Bridgewater	13	2	Lisbon	12	0	South Windsor	171	15
Bristol	691	17	Litchfield	53	2	Southbury	210	6
Brookfield	209	12	Lyme	8	0	Southington	387	16
Brooklyn	156	1	Madison	167	8	Sprague	7	1
Burlington	41	2	Manchester	825	61	Stafford	111	8
Canaan	0	0	Mansfield	186	37	Stamford	3553	79
Canterbury	21	1	Marlborough	97	5	Sterling	8	0
Canton	96	9	Meriden	1044	35	Stonington	36	6
Chaplin	6	0	Middlebury	53	6	Stratford	909	41
Cheshire	253	8	Middlefield	23	1	Suffield	178	17
Chester	50	1	Middletown	671	26	Thomaston	70	2
Clinton	74	4	Milford	710	28	Thompson	47	1
Colchester	53	3	Monroe	149	5	Tolland	53	8
Colebrook	5	0	Montville	322	7	Torrington	599	25
Columbia	30	0	Morris	15	0	Trumbull	560	53
Cornwall	6	0	Naugatuck	434	17	Union	4	1
Coventry	57	5	New Britain	1426	60	Vernon	281	12
Cromwell	134	15	New Canaan	215	5	Voluntown	14	0
Danbury	2668	135	New Fairfield	136	4	Wallingford	543	15
Darien	253	9	New Hartford	39	0	Warren	5	0
Deep River	17	2	New Haven	2978	70	Washington	27	1
Derby	187	0	New London	208	6	Waterbury	2263	102
Durham	51	5	New Milford	334	23	Waterford	182	8
East Granby	15	0	Newington	433	21	Watertown	166	9
East Haddam	31	0	Newtown	281	17	West Hartford	802	58
East Hampton	61	5	Norfolk	14	1	West Haven	1163	46
East Hartford	1042	60	North Branford	92	5	Westbrook	37	0
East Haven	433	26	North Canaan	10	1	Weston	86	4
East Lyme	162	12	North Haven	302	10	Westport	354	15
East Windsor	203	14	North Stonington	15	1	Wethersfield	292	7
Eastford	12	0	Norwalk	2167	60	Willington	22	0
Easton	41	2	Norwich	212	9	Wilton	231	28
Ellington	80	4	Old Lyme	29	0	Winchester	68	1
Enfield	717	14	Old Saybrook	119	4	Windham	381	0
Essex	56	0	Orange	145	6	Windsor	596	47
Fairfield	704	59	Oxford	91	4	Windsor Locks	140	6
Farmington	243	9	Plainfield	69	1	Wolcott	129	7
Franklin	16	0	Plainville	190	2	Woodbridge	139	11
Glastonbury	327	27	Plymouth	80	5	Woodbury	60	2
Goshen	14	1	Pomfret	19	0	Woodstock	34	0
Granby	38	2	Portland	78	5			
Greenwich	952	47	Preston	28	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
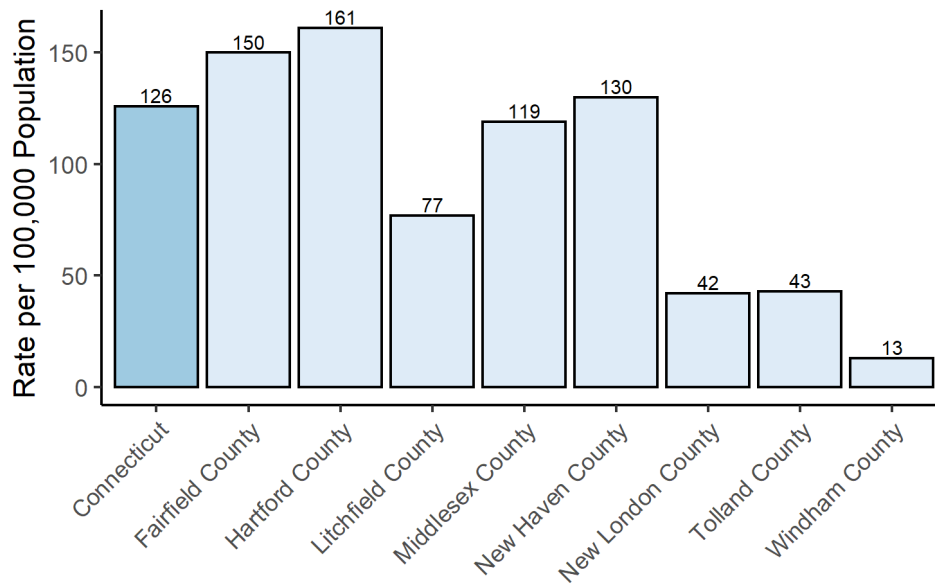
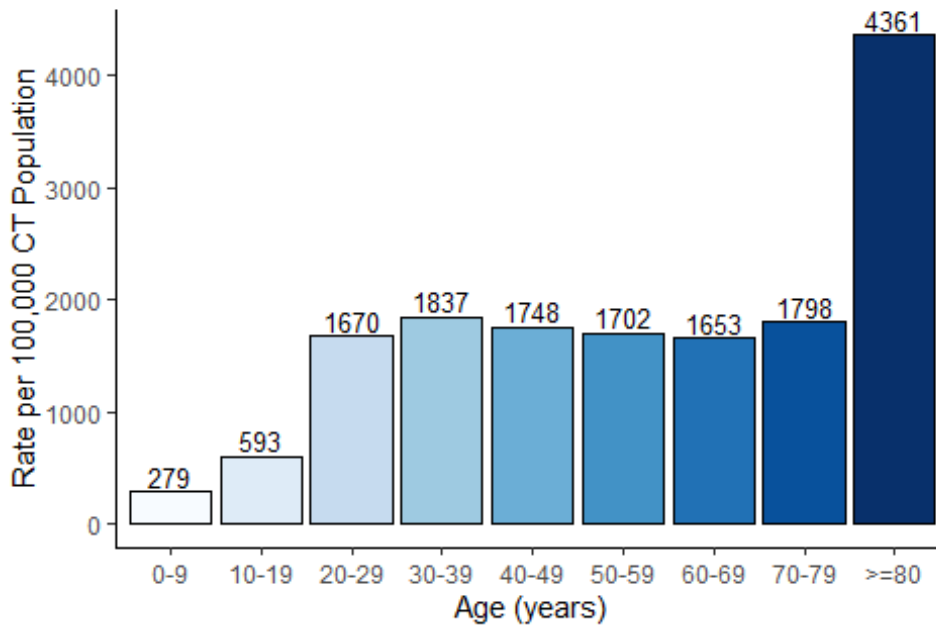## Rate of COVID-19 Cases Statewide and by County
As of 09/16/2020 at 8:30pm
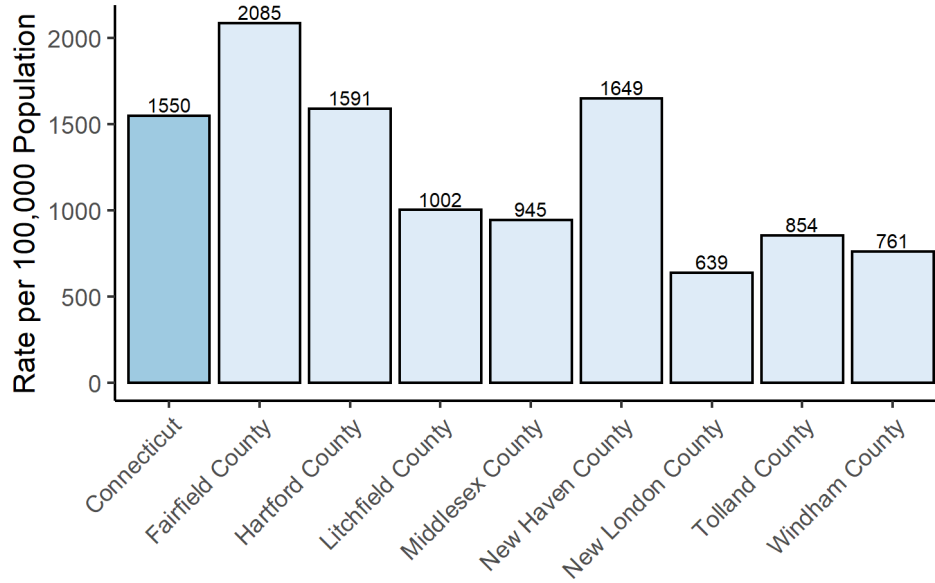
Rate of COVID-19-Associated Deaths Statewide and by County
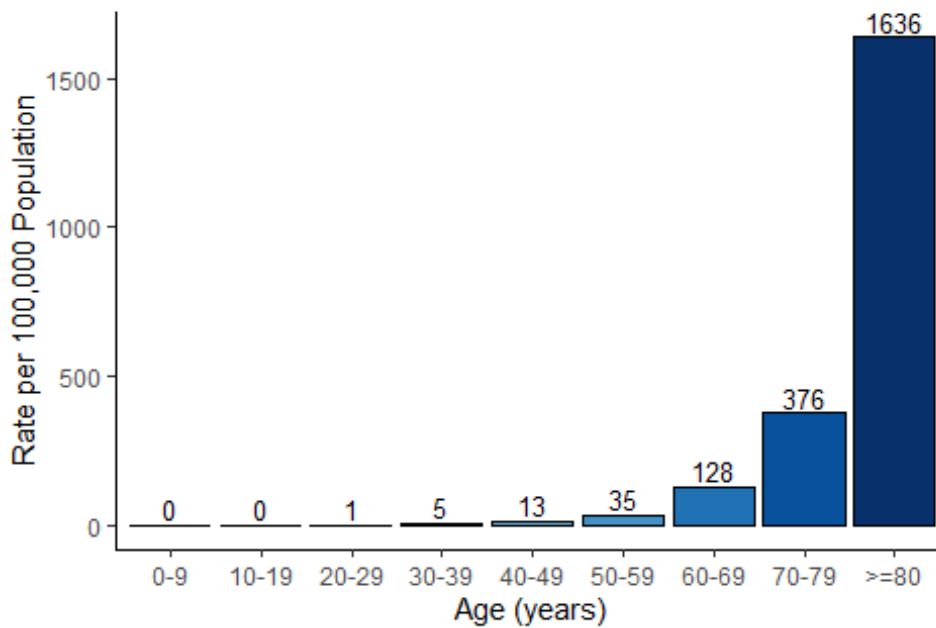### As of 09/16/2020 at 8:30pm

All data are preliminary and subject to change.

Rate of COVID-19 Cases by Age Group

As of 09/16/2020 at 8:30pm

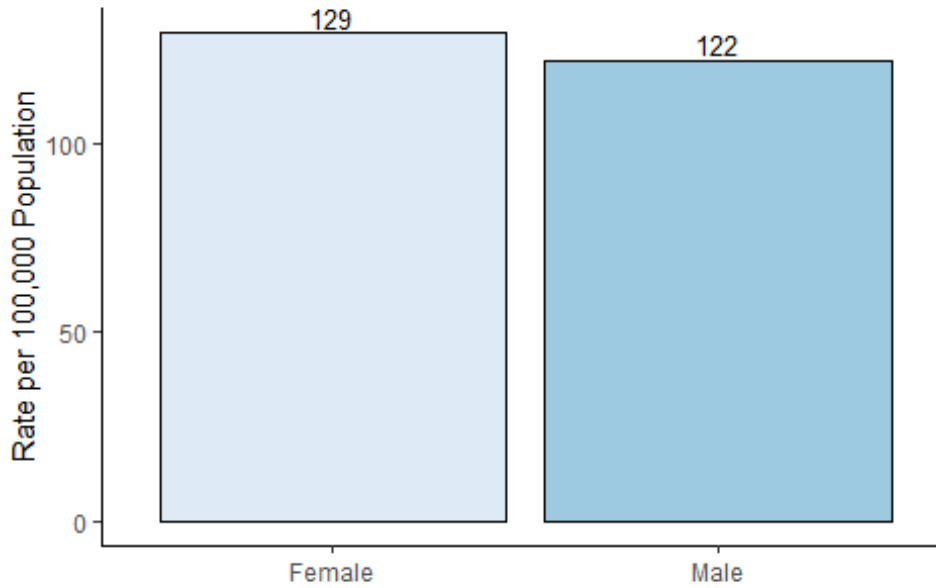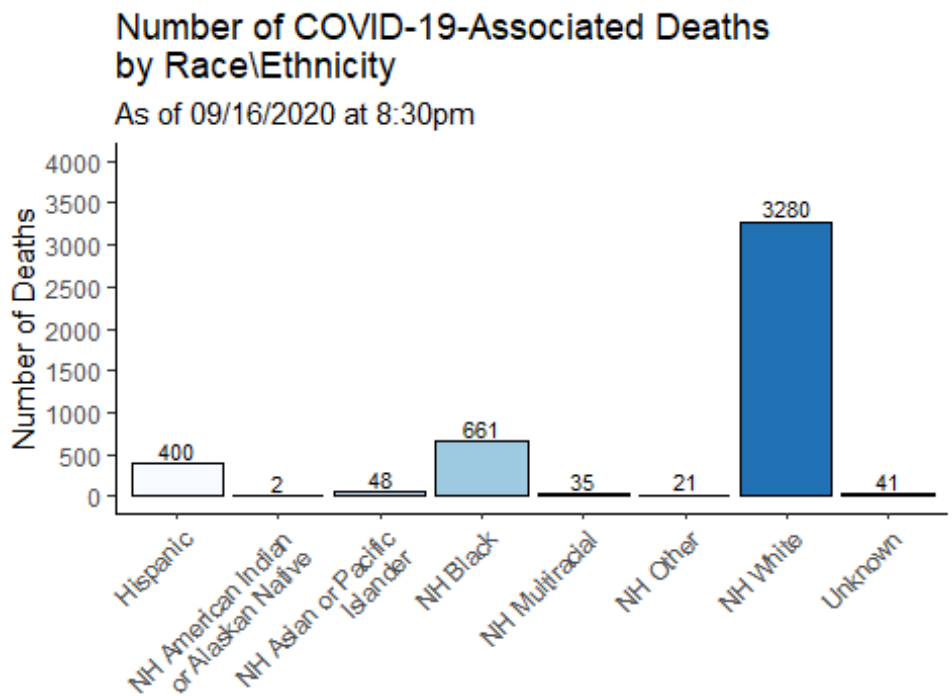## Rate of COVID-19-Associated Deaths by Age Group

As of 09/16/2020 at 8:30pm

All data are preliminary and subject to change.

Rate of COVID-19 Cases
by Gender
As of 09/16/2020 at 8:30pm

Female: 1646
Male: 1442

Rate per 100,000 CT Population

Rate of COVID-19-Associated Deaths
by Gender
As of 09/16/2020 at 8:30pm

Female: 129
Male: 122

Rate per 100,000 Population

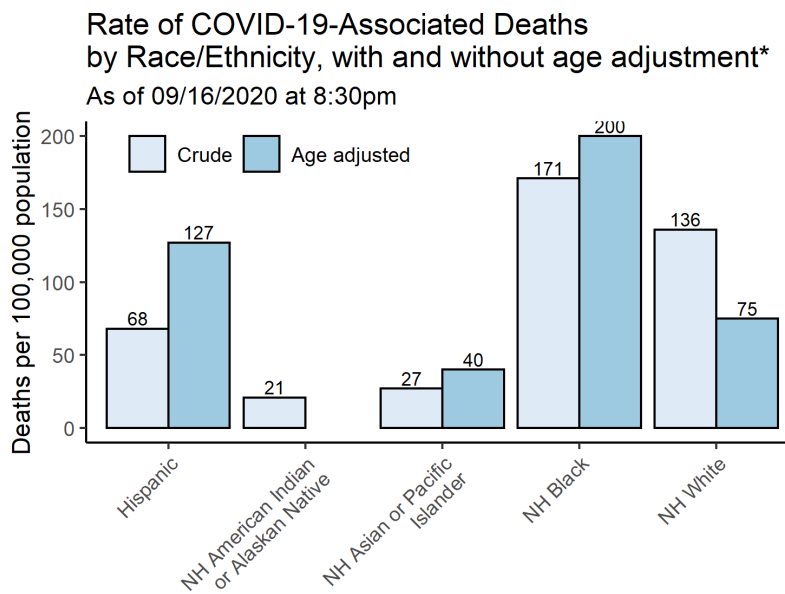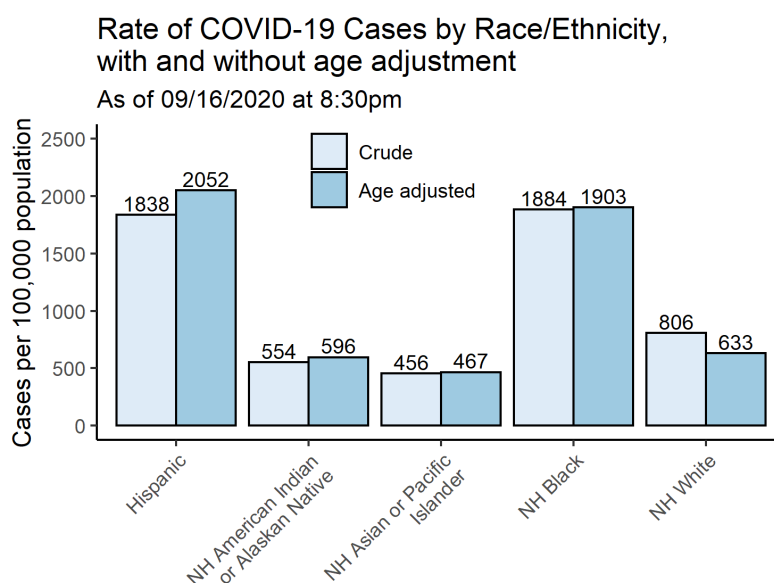All data are preliminary and subject to change.
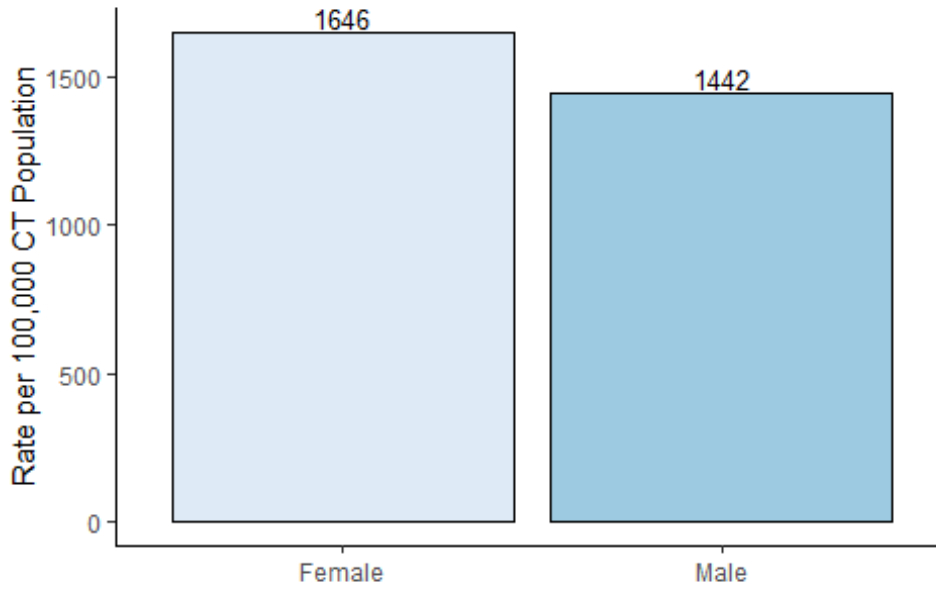
APPENDIX C. The following graphs show the number of cases and deaths by race and ethnicity. *Categories are mutually exclusive. The category "multiracial" includes people who answered 'yes' to more than one race category. NH=Non-Hispanic*

Number of COVID-19 Cases by Race\Ethnicity
As of 09/16/2020 at 8:30pm

Number of COVID-19-Associated Deaths by Race\Ethnicity
As of 09/16/2020 at 8:30pm

All data are preliminary and subject to change.
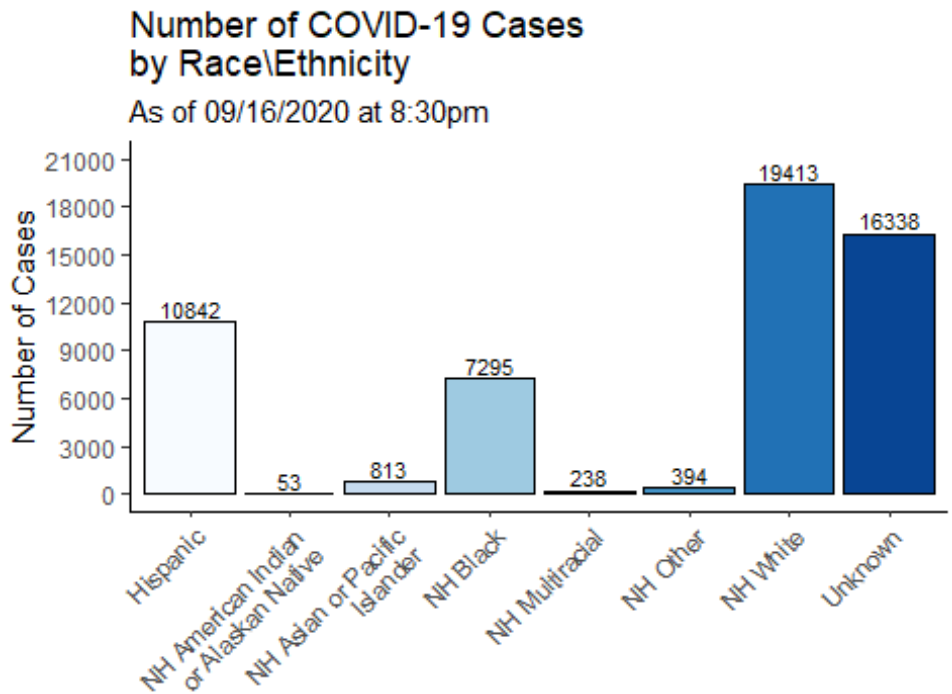
The following graphs show the number of COVID-19 cases and COVID-19-associated deaths per 100,000 population by race and ethnicity. Crude rates represent the total cases or deaths per 100,000 people. Age-adjusted rates consider the age of the person at diagnosis or death when estimating the rate and 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 09/16/2020 at 8:30pm

Rate of COVID-19-Associated Deaths by Race/Ethnicity, with and without age adjustment*
As of 09/16/2020 at 8:30pm

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

All data are preliminary and subject to change.