COVID-19 Update October 01, 2020

As of **September 30, 2020, at 8:30 PM**, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is **57742**, including **55306** laboratory-confirmed and **2436** probable cases. **One hundred seven** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **4511** 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	57742	+192
COVID-19-Associated Deaths	4511	+3
Patients Currently Hospitalized with COVID-19	107	+3
COVID-19 PCR Tests Reported	1601944	+10372

**Includes confirmed plus probable cases

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

County	COVID-19 Cases		COVID-19-Associated Deaths	
	Confirmed	Probable	Confirmed	Probable
Fairfield County	19436	828	1108	314
Hartford County	14175	699	1117	322
Litchfield County	1791	99	120	21
Middlesex County	1531	73	154	39
New Haven County	13987	533	958	157
New London County	2009	78	89	29
Tolland County	1260	110	52	15
Windham County	992	12	15	1
Pending address validation	*125*	*4*	*0*	*0*
Total	**55306**	**2436**	**3613**	**898**

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.

COVID-19 Cases 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. There were 1222 new COVID-19 cases with onset or specimen collected during September 20–26, corresponding to an average of 4.9 new cases per 100,000 population per day. In comparison, there were an average of 2.3 new cases per 100,000 population per day during July 19–August 15.
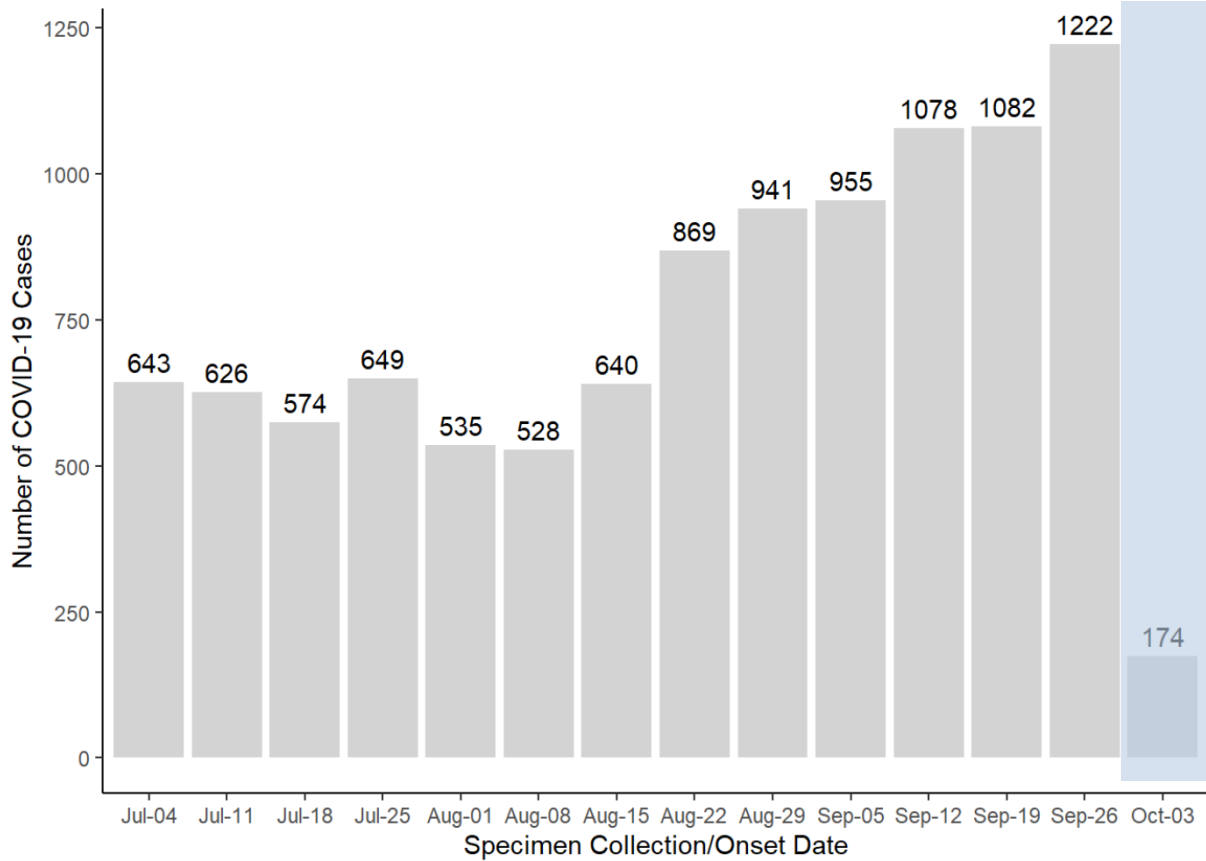

Shading indicates data are incomplete for the current week.

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

Community Transmission of COVID-19

The map below shows the distribution of 2251 new COVID-19 cases during September 13–26 among people living in community settings. Cases among persons residing in nursing homes, assisted living facilities, and correctional facilities are excluded. Darker colors indicate towns with more cases.

During this two-week period, there were more than 100 new COVID-19 cases in six towns: Bridgeport, Danbury, Hartford, New Britain, Norwich, and Waterbury.

Number of COVID-19 Cases among Persons Living in Community Settings by Town
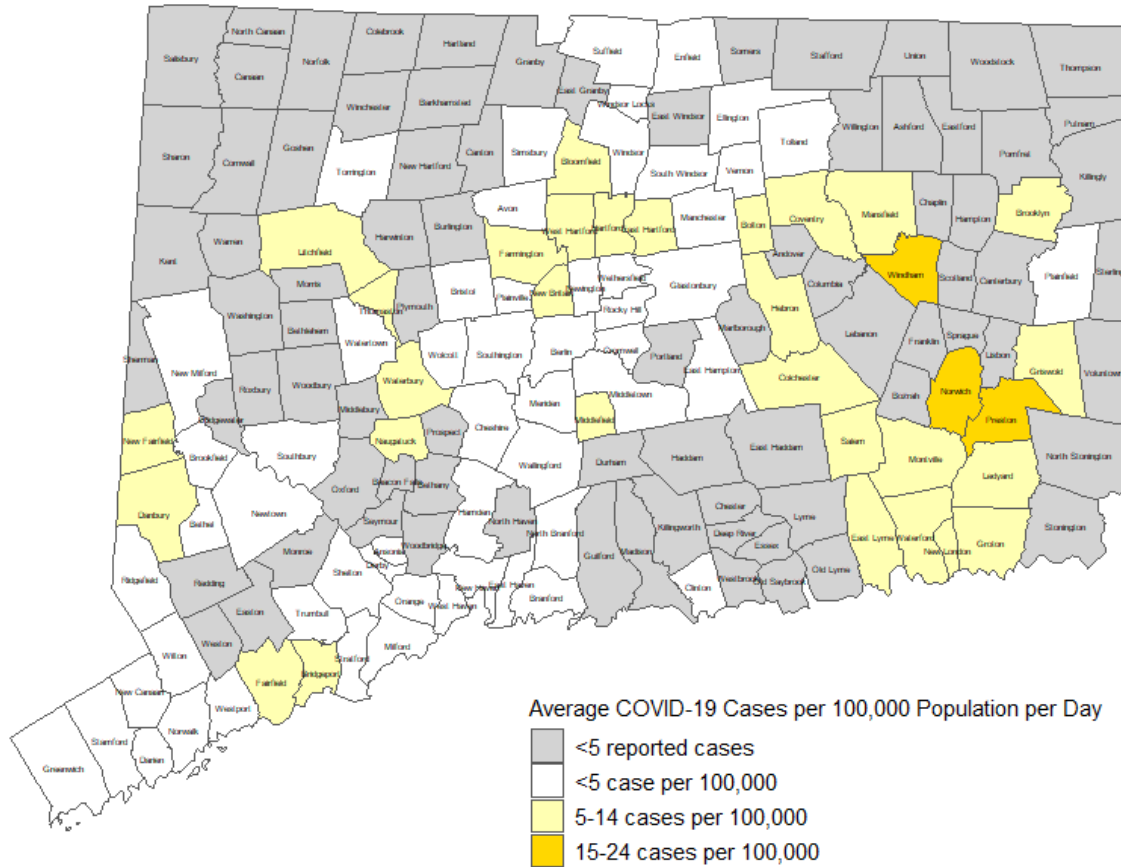with Specimen Collection or Onset Date During September 13-26
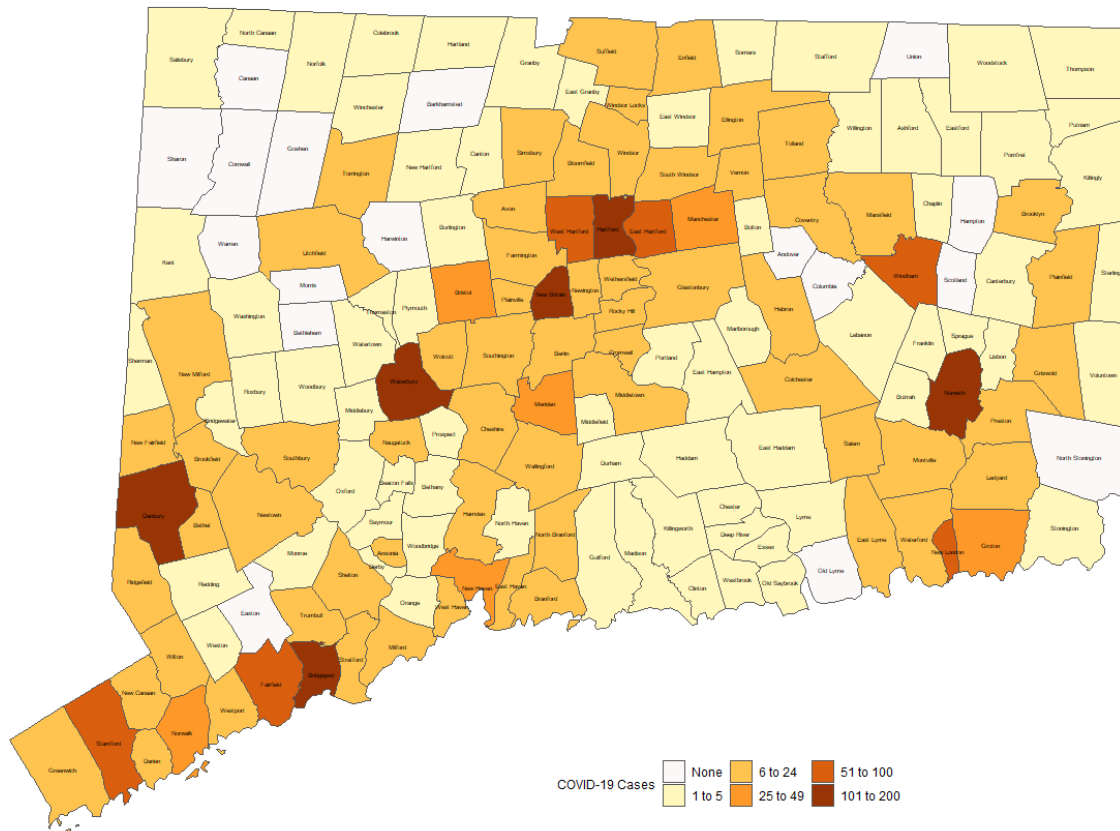
Map does not include 9 cases pending address validation.

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 next map below shows the average number of new cases per 100,000 population per day, with darker colors indicating higher rates. Cases among persons residing in nursing homes, assisted living facilities, and correctional facilities are excluded.

3

Among towns with at least 5 new COVID-19 cases during September 13–26, 3 towns had an average rate of more than 15 cases per 100,000 population per day (Norwich, Preston, and Windham). Four towns had an average rate of 10-15 cases per 100,000 population per day (Danbury, New Britain, New London, and Salem).

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 13-26

Map does not include 9 cases pending address validation.

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 13–26, 2020
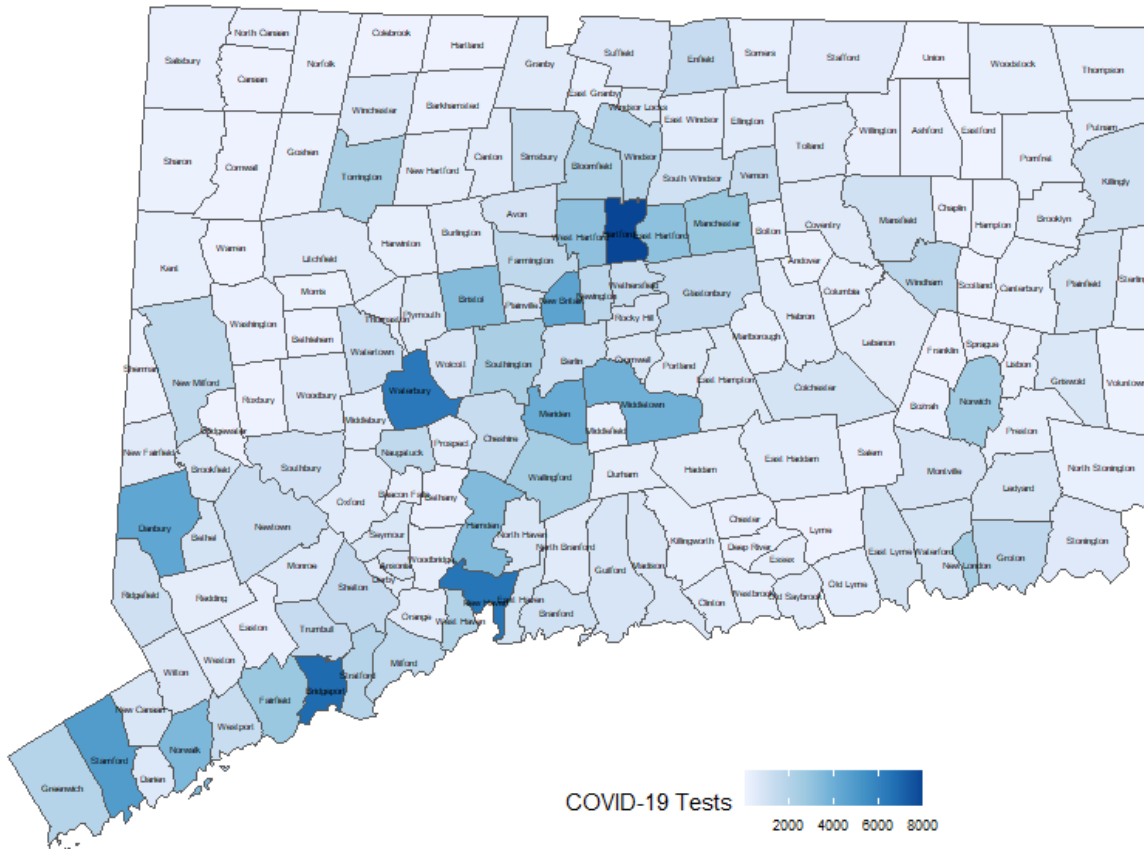
Table does not include 9 cases pending address validation. Daily rate is average number of cases per day per 100,000 population.

Town	Pop	Cases	Rate	Town	Pop	Cases	Rate	Town	Pop	Cases	Rate
Andover	3231	0	0	Groton	38692	28	5	Prospect	9790	< 5	1
Ansonia	18721	8	3	Guilford	22216	< 5	1	Putnam	9395	< 5	2
Ashford	4261	< 5	3	Haddam	8222	< 5	1	Redding	9125	< 5	2
Avon	18302	10	4	Hamden	60940	17	2	Ridgefield	25008	7	2
Barkhamsted	3624	0	0	Hampton	1853	0	0	Rocky Hill	20145	6	2
Beacon Falls	6182	< 5	5	Hartford	122587	148	9	Roxbury	2160	< 5	3
Berlin	20432	9	3	Hartland	2120	< 5	3	Salem	4123	7	12
Bethany	5479	< 5	4	Harwinton	5430	0	0	Salisbury	3598	< 5	2
Bethel	19714	9	3	Hebron	9482	6	5	Scotland	1685	0	0
Bethlehem	3422	0	0	Kent	2785	< 5	3	Seymour	16509	< 5	0
Bloomfield	21301	22	7	Killingly	17287	< 5	1	Sharon	2703	0	0
Bolton	4890	5	7	Killingworth	6370	< 5	3	Shelton	41097	6	1
Bozrah	2537	< 5	3	Lebanon	7207	< 5	3	Sherman	3614	< 5	2
Branford	28005	7	2	Ledyard	14736	20	10	Simsbury	24979	8	2
Bridgeport	144900	108	5	Lisbon	4248	< 5	3	Somers	10834	< 5	2
Bridgewater	1641	< 5	4	Litchfield	8127	6	5	South			
Bristol	60032	34	4	Lyme	2338	< 5	3	Windsor	26054	9	2
Brookfield	17002	8	3	Madison	18106	< 5	2	Southbury	19656	7	3
Brooklyn	8280	8	7	Manchester	57699	36	4	Southington	43807	14	2
Burlington	9665	< 5	3	Mansfield	25817	23	6	Sprague	2889	< 5	5
Canaan	1055	0	0	Marlborough	6358	< 5	2	Stafford	11884	< 5	1
Canterbury	5100	< 5	3	Meriden	59540	34	4	Stamford	129775	80	4
Canton	10270	< 5	2	Middlebury	7731	< 5	2	Sterling	3780	< 5	2
Chaplin	2256	< 5	9	Middlefield	4380	5	8	Stonington	18449	< 5	2
Cheshire	29179	6	1	Middletown	46146	15	2	Stratford	51967	18	2
Chester	4229	< 5	7	Milford	54661	14	2	Suffield	15743	9	4
Clinton	12950	5	3	Monroe	19470	< 5	0	Thomaston	7560	5	5
Colchester	15936	18	8	Montville	18716	13	5	Thompson	9395	< 5	2
Colebrook	1405	< 5	5	Morris	2262	0	0	Tolland	14655	6	3
Columbia	5385	0	0	Naugatuck	31288	23	5	Torrington	34228	17	4
Cornwall	1368	0	0	New Britain	72453	111	11	Trumbull	35802	11	2
Coventry	12414	12	7	New Canaan	20213	11	4	Union	840	0	0
Cromwell	13905	6	3	New Fairfield	13877	9	5	Vernon	29303	11	3
Danbury	84730	155	13	New Hartford	6685	< 5	1	Voluntown	2535	< 5	6
Darien	21753	7	2	New Haven	130418	34	2	Wallingford	44535	21	3
Deep River	4463	< 5	2	New London	26939	51	14	Warren	1399	0	0
Derby	12515	5	3	New Milford	26974	11	3	Washington	3434	< 5	4
Durham	7195	< 5	4	Newington	30112	16	4	Waterbury	108093	112	7
East Granby	5147	< 5	1	Newtown	27774	14	4	Waterford	18887	14	5
East Haddam	8988	< 5	2	Norfolk	1640	< 5	9	Watertown	21641	5	2
East Hampton	12854	5	3	North				West Hartford	62939	60	7
East Hartford	49998	54	8	Branford	14158	6	3	West Haven	54879	18	2
East Haven	28699	9	2	North Canaan	3254	< 5	2	Westbrook	6914	< 5	1
East Lyme	18645	12	5	North Haven	23691	< 5	1	Weston	10247	< 5	1
East Windsor	11375	< 5	1	North				Westport	28115	9	2
Eastford	1790	< 5	8	Stonington	5243	0	0	Wethersfield	26082	12	3
Easton	7517	0	0	Norwalk	89047	45	4	Willington	5887	< 5	4
Ellington	16299	6	3	Norwich	39136	133	24	Wilton	18397	6	2
Enfield	44466	20	3	Old Lyme	7366	0	0	Winchester	10655	< 5	1
Essex	6674	< 5	1	Old Saybrook	10087	< 5	2	Windham	24706	66	19
Fairfield	61952	63	7	Orange	13949	5	3	Windsor	28760	17	4
Farmington	25506	17	5	Oxford	13226	< 5	2	Windsor Locks	12876	6	3
Franklin	1933	< 5	7	Plainfield	15173	6	3	Wolcott	16649	9	4
Glastonbury	34491	12	2	Plainville	17623	7	3	Woodbridge	8805	< 5	3
Goshen	2879	0	0	Plymouth	11645	< 5	1	Woodbury	9537	< 5	3
Granby	11375	< 5	1	Pomfret	4204	< 5	3				
Greenwich	62727	17	2	Portland	9305	< 5	2				
Griswold	11591	12	7	Preston	4638	12	18				

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

**COVID-19 PCR Tests during September 13–26, 2020**

Among 195,836 PCR tests for COVID-19 with specimen collection date during September 13–26, 176,793 (90%) tests were conducted among people who did not reside in congregate settings (including nursing homes, assisted living, and correctional facilities). Of these 176,793 tests, 2550 (1%) were positive. The map below shows the number of PCR COVID-19 tests by town with specimen collection date during September 13–26 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 13-26
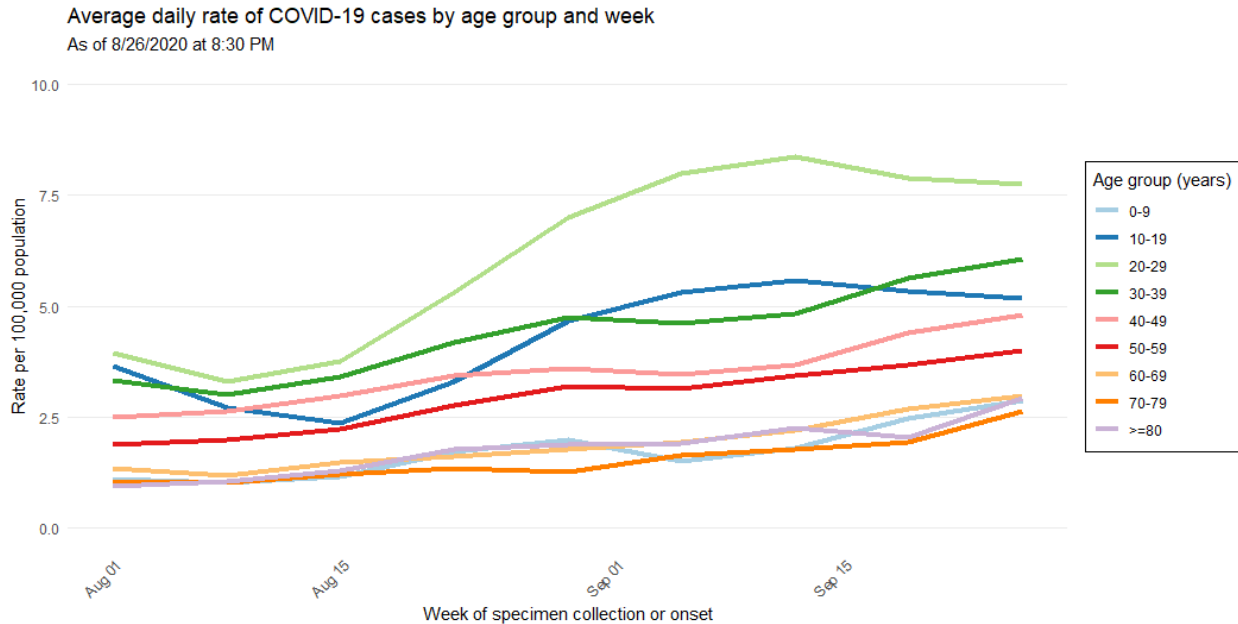

Map does not include 5332 test results pending address validation.

All data are preliminary and subject to change. Updated 10/1/2020.

Age Distribution of COVID-19 Cases with Specimen Collection or Onset During September 13–26, 2020

Number of New COVID-19 Cases by Age Group
with Collection or Onset during September 13-26
As of 09/30/2020 at 8:30PM
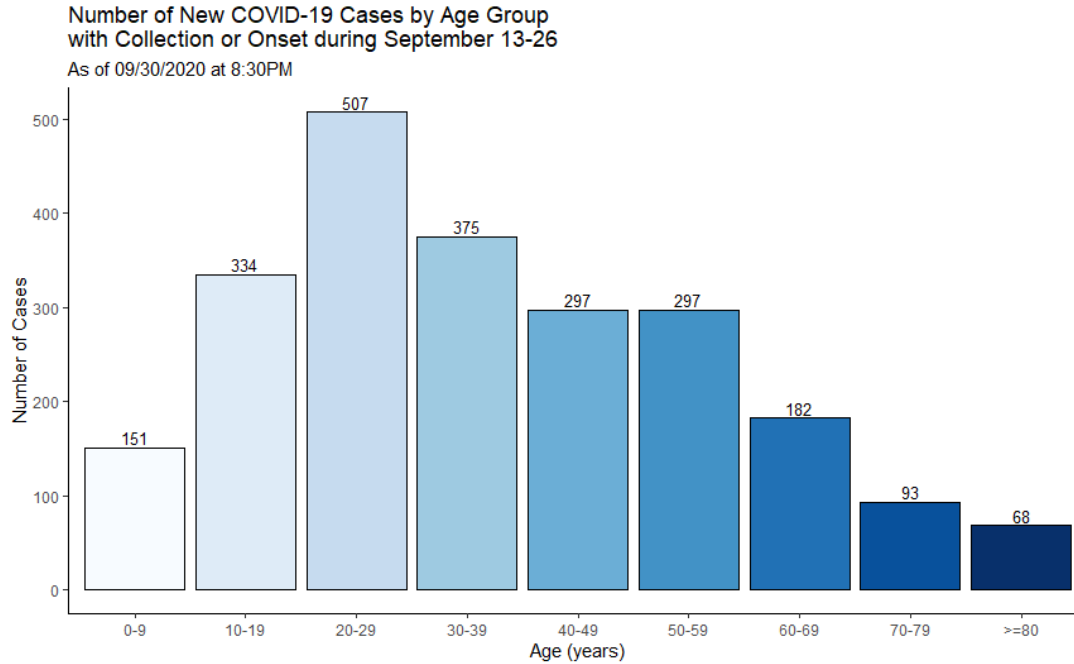
Average Daily Incidence by Age Group

The chart below shows the average number of new COVID-19 cases per day per 100,000 population by age group. The rates in this chart are calculated by averaging the number of new cases diagnosed each day during the previous two weeks, dividing by the annual population in each age group and then multiplying by 100,000.

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. Updated 10/1/2020.
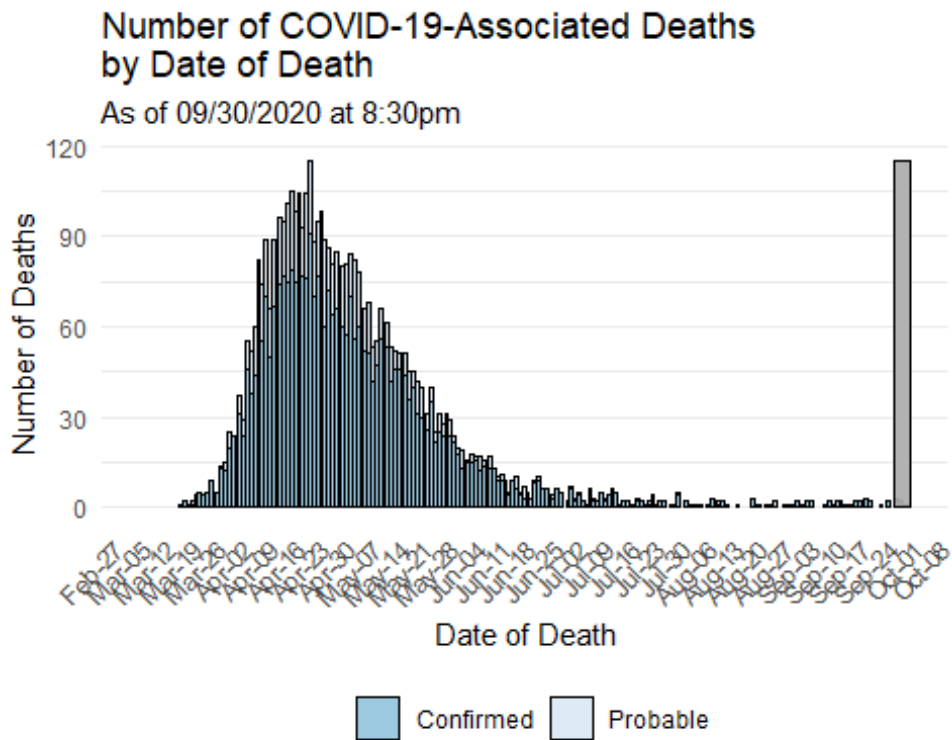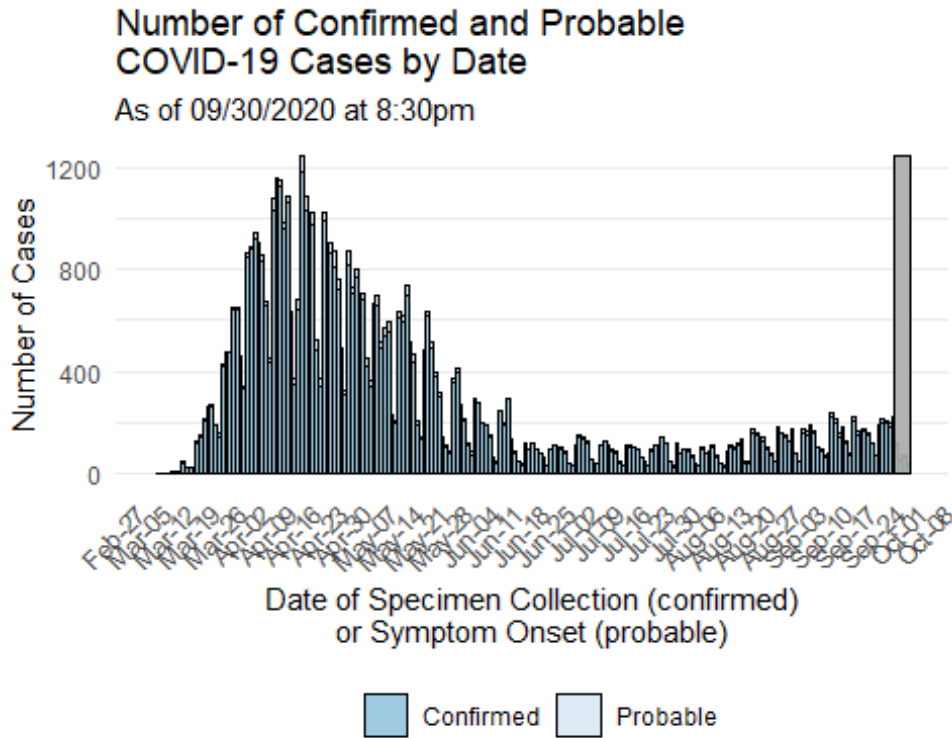
Average Daily Incidence by County

The chart below shows the average number of new COVID-19 cases per day per 100,000 population in the state of Connecticut and for each Connecticut county. The rates in this chart are calculated by averaging the number of new cases diagnosed per day during the previous two weeks, dividing by the annual estimated population and then multiplying by 100,000.

Average daily rates of COVID-19 cases by county and week
As of 09/30/2020 at 8:30PM
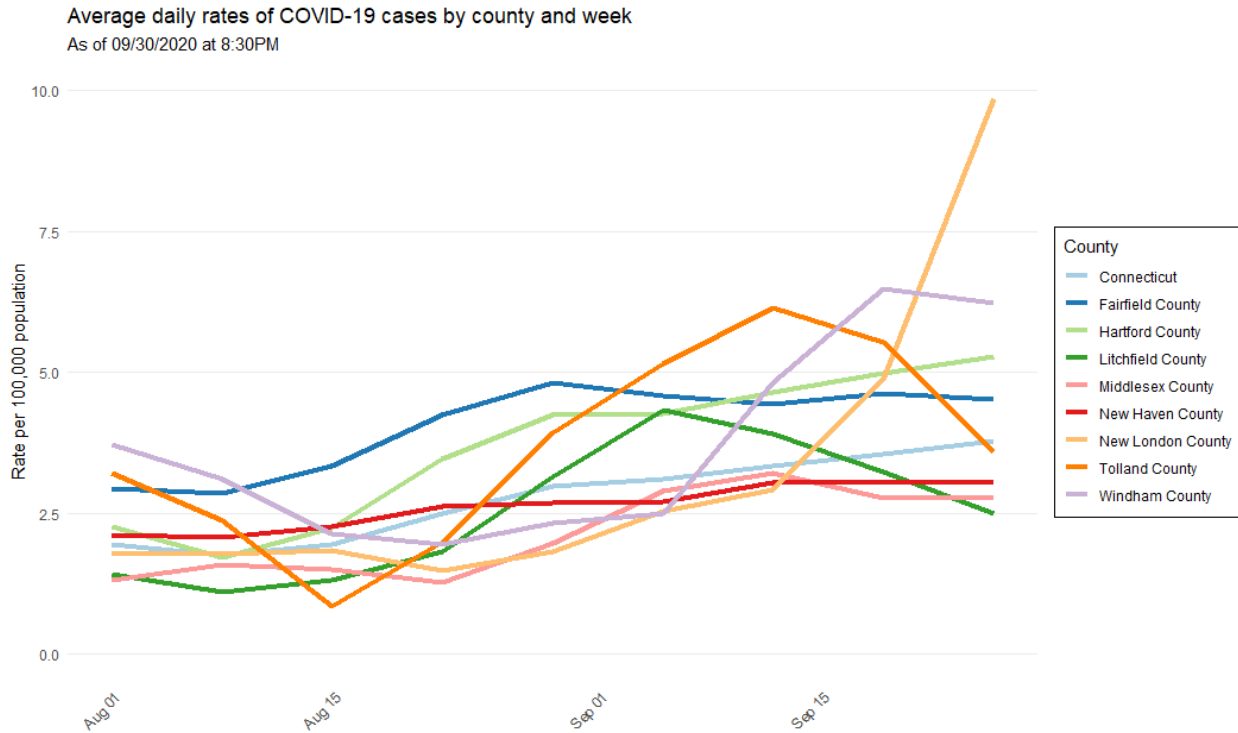
Notes: Cases pending address validation are excluded from rate calculations.

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


Date of Death

Confirmed Probable

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.

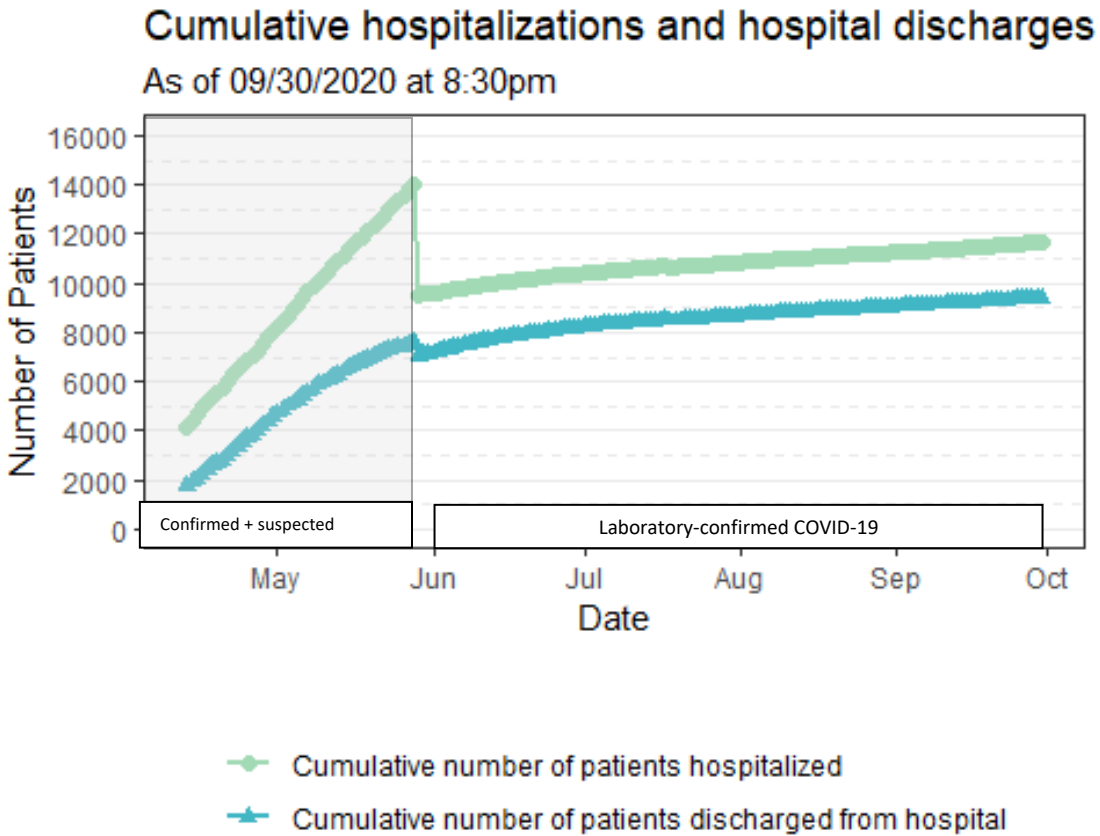**Patients Currently Hospitalized by Connecticut County**
Distribution by location of hospital not patient residence. Data from the Connecticut Hospital Association.
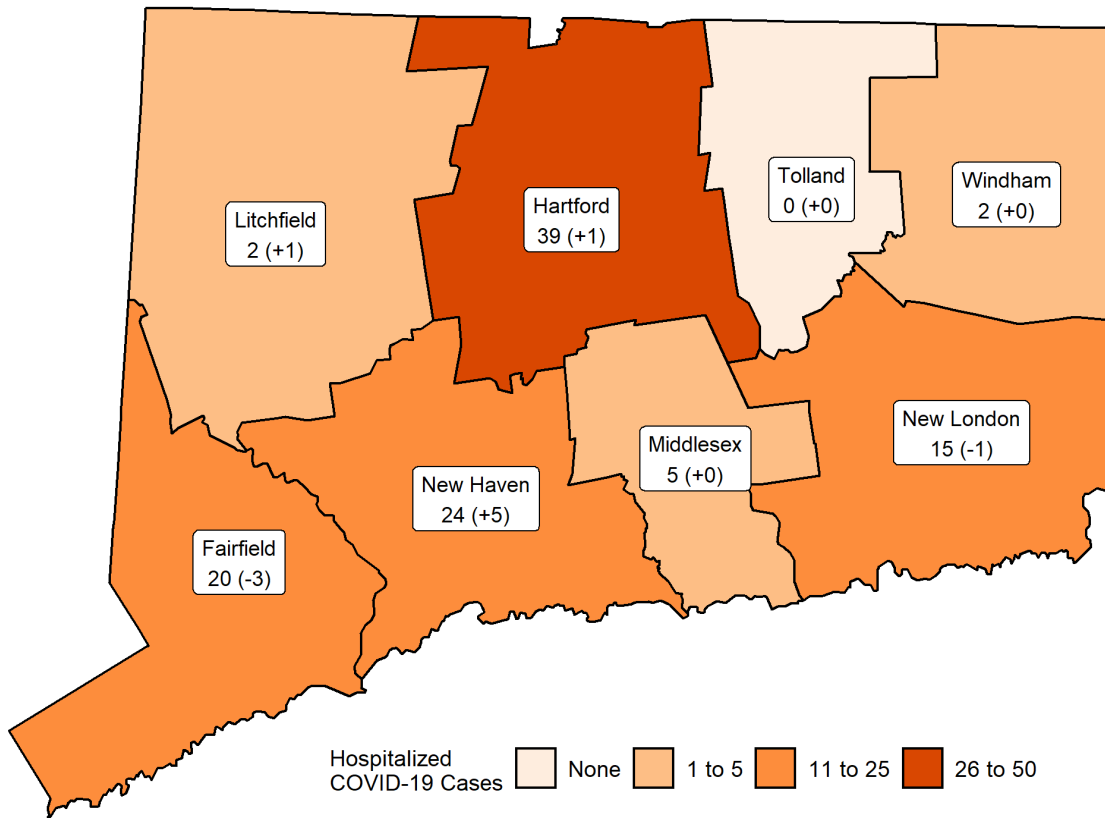
More information about hospitalized cases of COVID-19 in New Haven and Middlesex Counties is available from COVID-NET.

All data are preliminary and subject to change. Updated 10/1/2020.

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, **11699** patients have been hospitalized with laboratory-confirmed COVID-19 in Connecticut and **9408** patients hospitalized with laboratory-confirmed have been discharged.

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

Confirmed + suspected

Laboratory-confirmed COVID-19

Number of Patients

Date

— Cumulative number of patients hospitalized
— Cumulative number of patients discharged from hospital

Laboratory Surveillance

To date, DPH has received reports on a total of 1601944 COVID-19 laboratory tests; of these 1412254 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
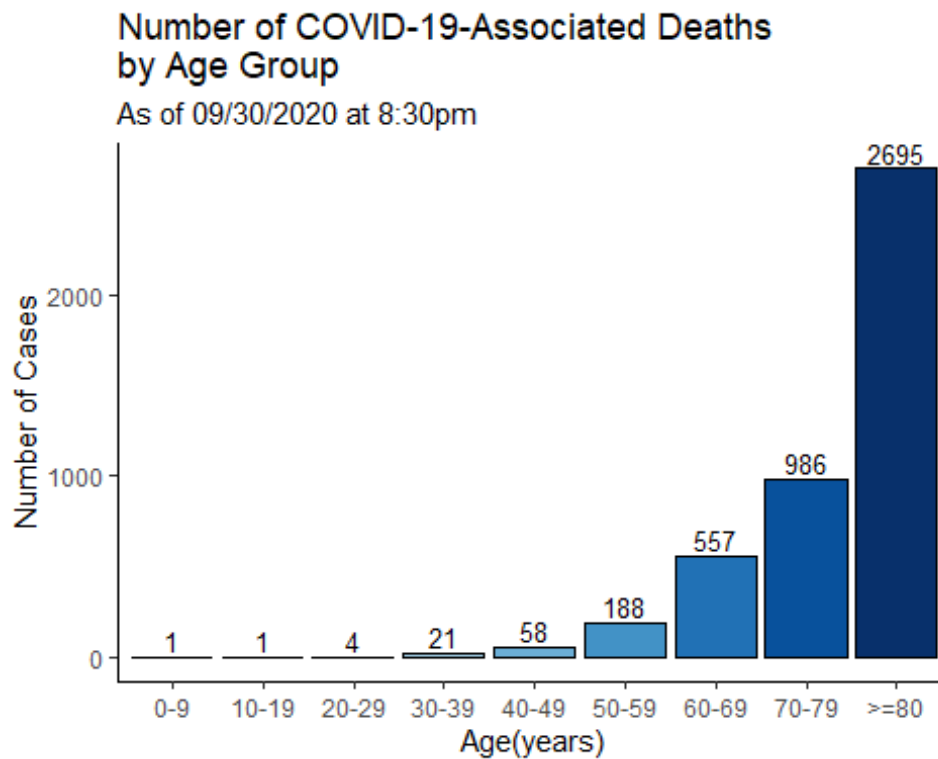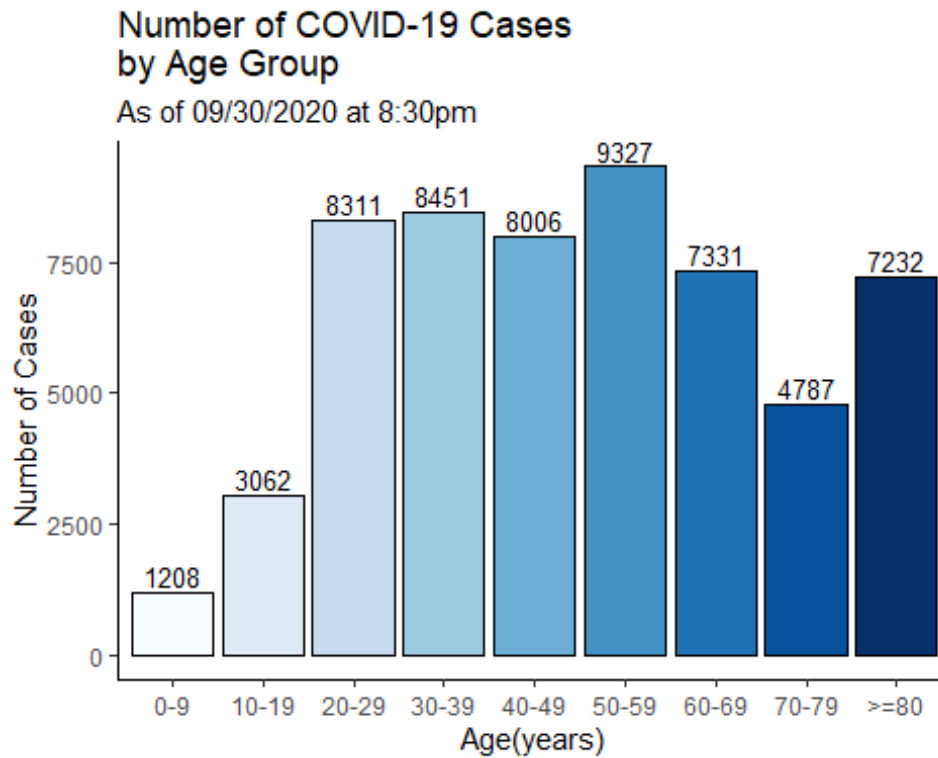As of 09/30/2020 at 8:30pm
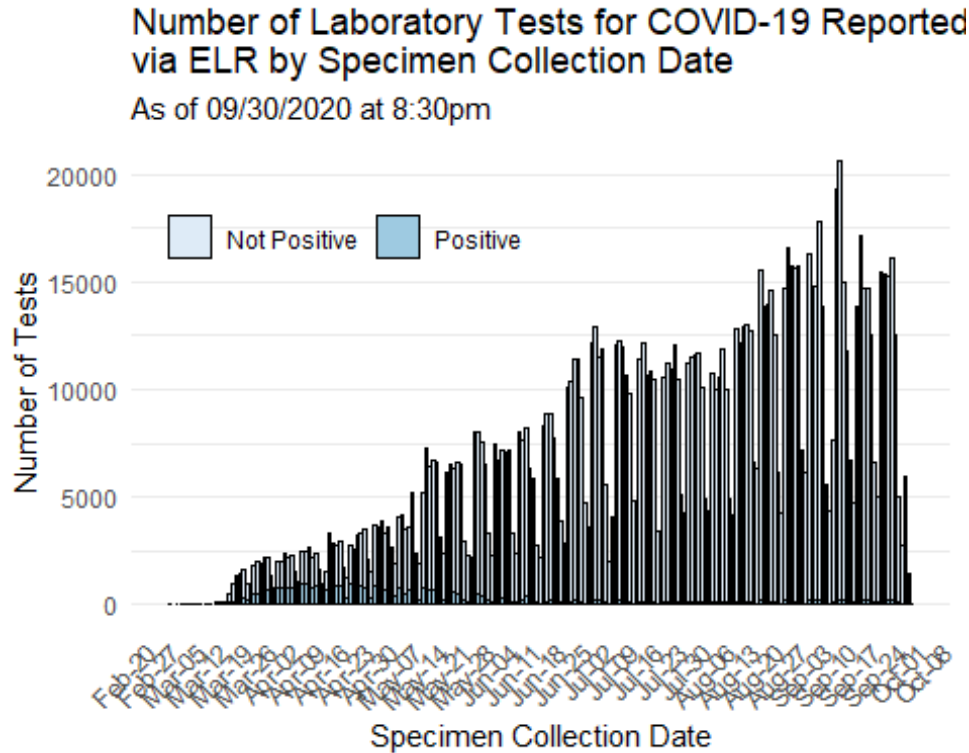
Testing of specimens collected since September 27 is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.
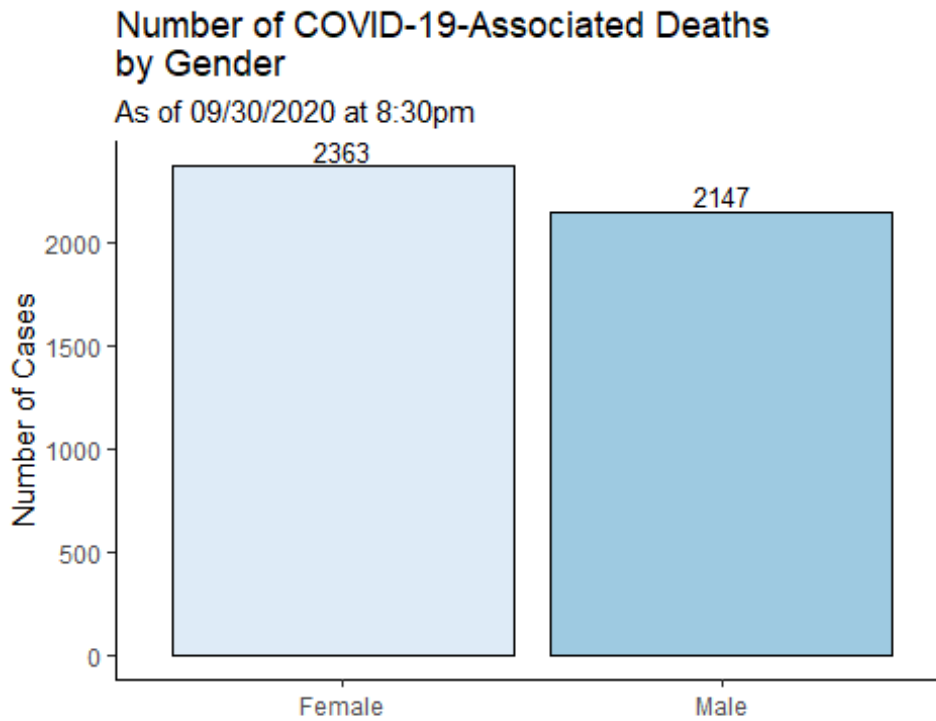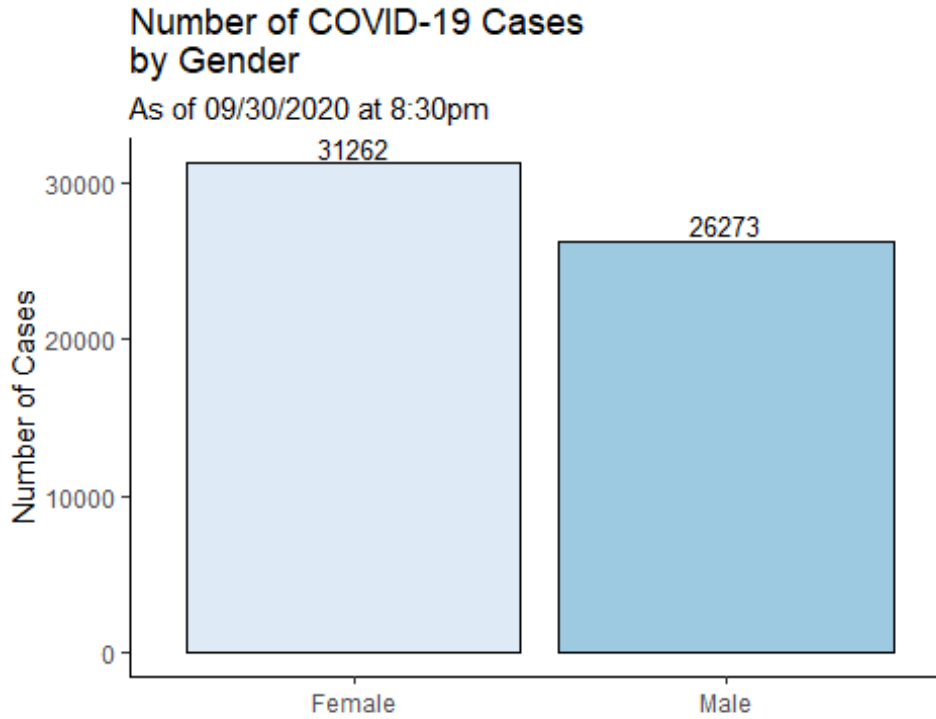
ELR = Electronic Laboratory Reporting

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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 09/30/2020 at 8:30pm

Age(years)	Number of Cases
0-9	1208
10-19	3062
20-29	8311
30-39	8451
40-49	8006
50-59	9327
60-69	7331
70-79	4787
>=80	7232

Number of COVID-19-Associated Deaths by Age Group
As of 09/30/2020 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	188
60-69	557
70-79	986
>=80	2695

13

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

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

Female: 31262
Male: 26273

(Number of Cases)

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

Female: 2363
Male: 2147

(Number of Cases)

Cumulative Number of COVID-19 Cases by Town

Map does not include 125 cases pending address validation
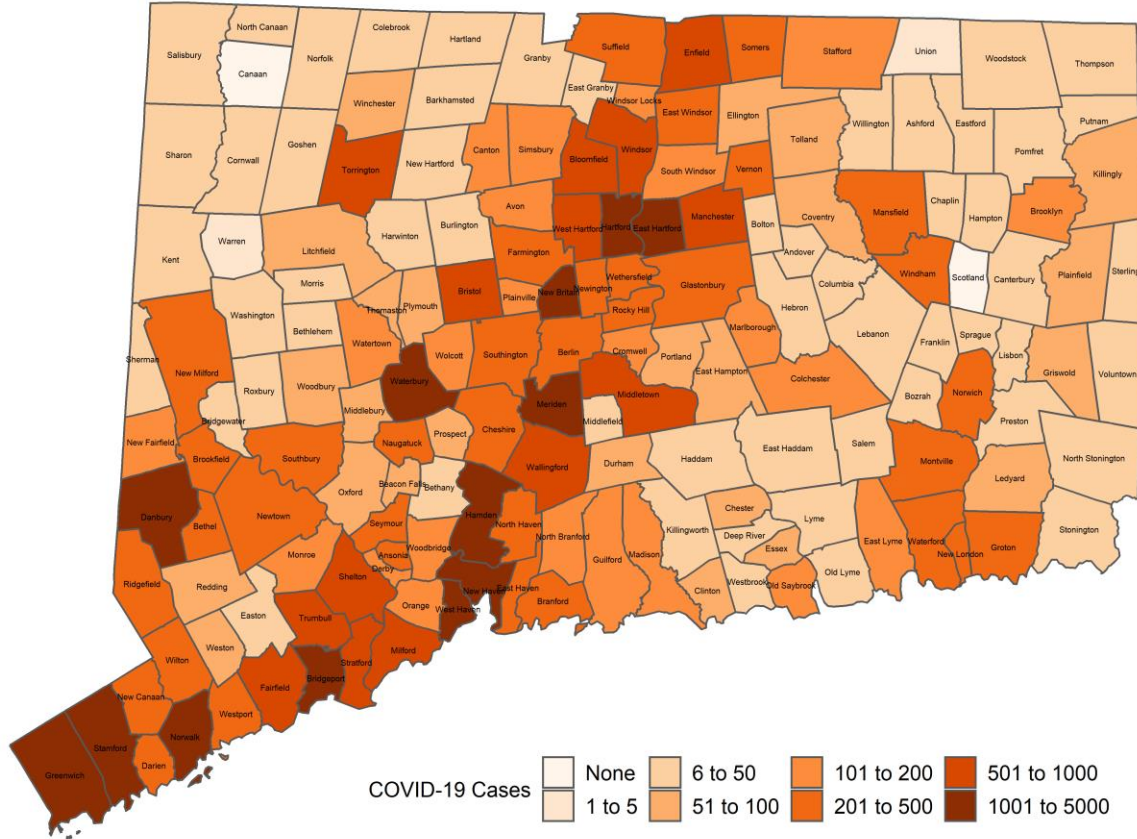
All data are preliminary and subject to change. Updated 10/1/2020.

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

Table does not include 125 cases pending address validation

Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	10	0	Griswold	61	2	Prospect	78	0
Ansonia	317	8	Groton	211	15	Putnam	46	1
Ashford	24	1	Guilford	131	10	Redding	77	7
Avon	182	10	Haddam	47	1	Ridgefield	268	13
Barkhamsted	31	2	Hamden	1101	43	Rocky Hill	460	18
Beacon Falls	65	1	Hampton	8	0	Roxbury	15	3
Berlin	208	9	Hartford	3188	136	Salem	22	0
Bethany	48	1	Hartland	7	0	Salisbury	26	1
Bethel	306	25	Harwinton	36	3	Scotland	0	0
Bethlehem	12	1	Hebron	42	2	Seymour	238	11
Bloomfield	583	31	Kent	18	4	Sharon	15	0
Bolton	32	2	Killingly	59	4	Shelton	690	42
Bozrah	16	0	Killingworth	23	0	Sherman	16	5
Branford	377	17	Lebanon	38	0	Simsbury	151	14
Bridgeport	4182	128	Ledyard	60	0	Somers	290	21
Bridgewater	13	2	Lisbon	15	0	South Windsor	183	16
Bristol	721	21	Litchfield	59	2	Southbury	217	7
Brookfield	215	13	Lyme	8	1	Southington	400	16
Brooklyn	170	2	Madison	170	9	Sprague	9	1
Burlington	45	2	Manchester	852	63	Stafford	112	9
Canaan	0	0	Mansfield	212	43	Stamford	3634	82
Canterbury	23	1	Marlborough	98	5	Sterling	9	0
Canton	98	9	Meriden	1084	36	Stonington	40	6
Chaplin	9	0	Middlebury	55	6	Stratford	930	42
Cheshire	259	8	Middlefield	28	1	Suffield	189	19
Chester	54	1	Middletown	688	28	Thomaston	75	2
Clinton	78	4	Milford	725	28	Thompson	49	1
Colchester	102	4	Monroe	148	5	Tolland	59	8
Colebrook	6	0	Montville	323	7	Torrington	619	26
Columbia	30	0	Morris	15	0	Trumbull	573	54
Cornwall	6	0	Naugatuck	457	18	Union	4	1
Coventry	70	5	New Britain	1533	61	Vernon	291	14
Cromwell	141	15	New Canaan	217	6	Voluntown	16	0
Danbury	2809	143	New Fairfield	144	6	Wallingford	564	16
Darien	262	9	New Hartford	39	0	Warren	5	0
Deep River	18	2	New Haven	2995	80	Washington	29	1
Derby	195	0	New London	260	8	Waterbury	2370	108
Durham	56	5	New Milford	341	32	Waterford	194	8
East Granby	16	0	Newington	448	20	Watertown	174	9
East Haddam	34	0	Newtown	290	18	West Hartford	862	62
East Hampton	66	5	Norfolk	16	1	West Haven	1179	47
East Hartford	1100	58	North Branford	96	8	Westbrook	39	0
East Haven	440	30	North Canaan	11	1	Weston	88	4
East Lyme	173	13	North Haven	302	11	Westport	364	16
East Windsor	205	14	North Stonington	15	1	Wethersfield	308	7
Eastford	14	0	Norwalk	2209	64	Willington	24	1
Easton	41	2	Norwich	360	10	Wilton	236	28
Ellington	84	4	Old Lyme	28	0	Winchester	70	1
Enfield	738	14	Old Saybrook	121	5	Windham	447	1
Essex	57	0	Orange	152	5	Windsor	615	47
Fairfield	777	66	Oxford	94	4	Windsor Locks	148	6
Farmington	259	9	Plainfield	75	1	Wolcott	137	9
Franklin	18	0	Plainville	195	2	Woodbridge	141	12
Glastonbury	343	28	Plymouth	83	5	Woodbury	63	2
Goshen	14	1	Pomfret	22	0	Woodstock	37	0
Granby	40	2	Portland	81	6			
Greenwich	960	50	Preston	40	2			

All data are preliminary and subject to change. Updated 10/1/2020.

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

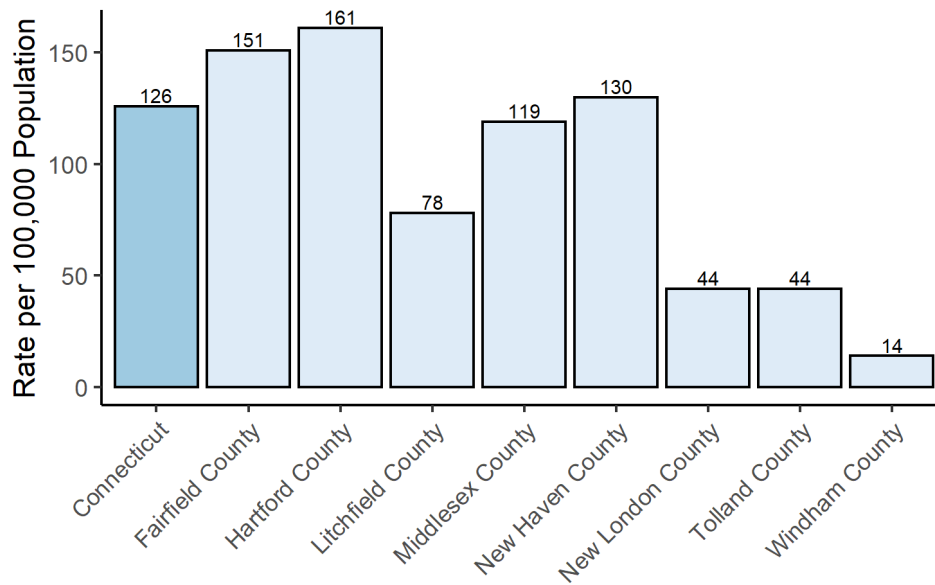## Rate of COVID-19 Cases Statewide and by County

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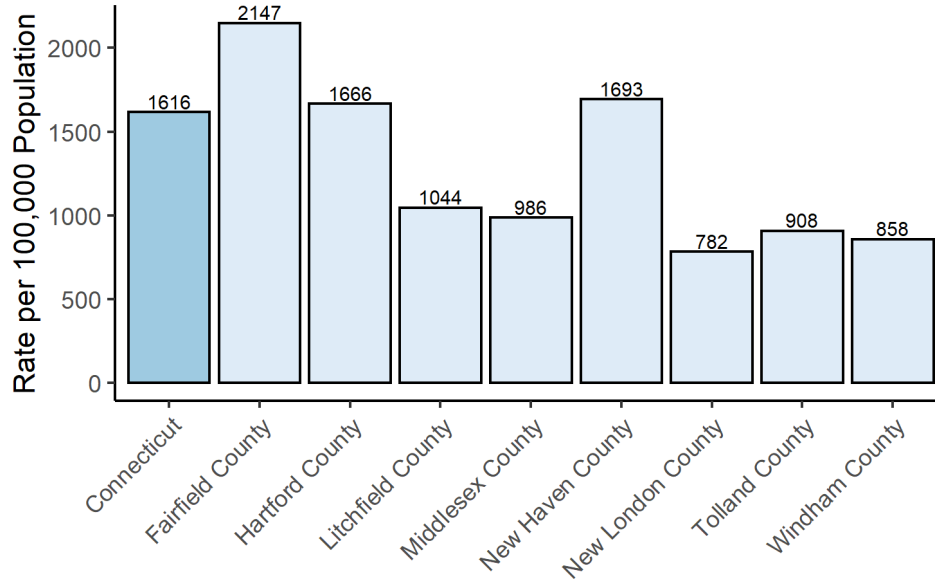
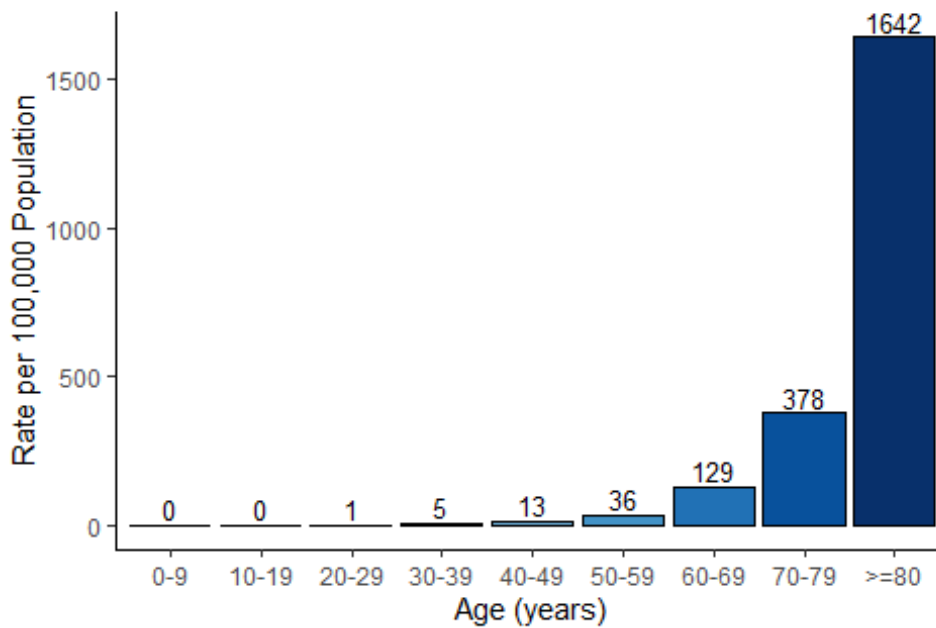## Rate of COVID-19-Associated Deaths Statewide and by County

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

All data are preliminary and subject to change. Updated 10/1/2020.

Rate of COVID-19 Cases by Age Group

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

Rate of COVID-19-Associated Deaths by Age Group

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

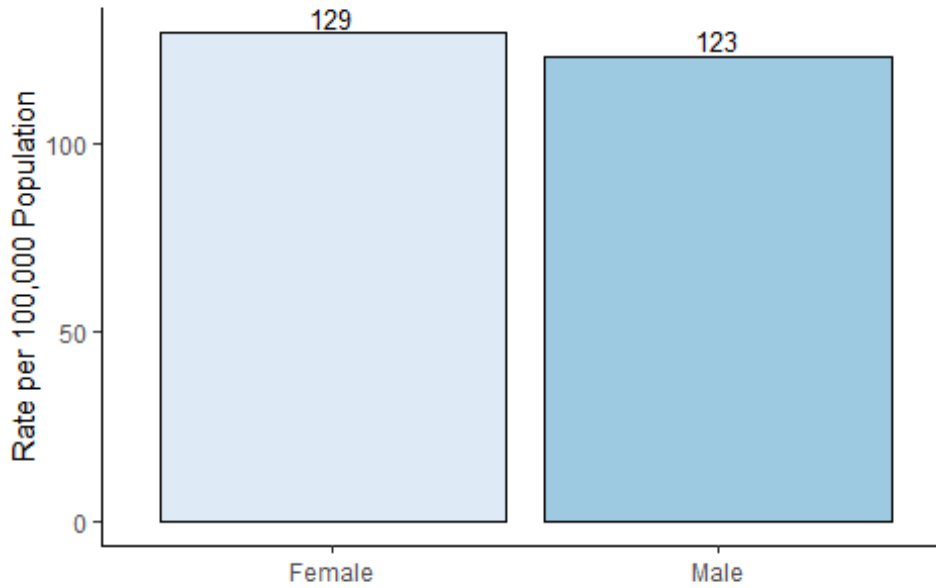All data are preliminary and subject to change. Updated 10/1/2020.
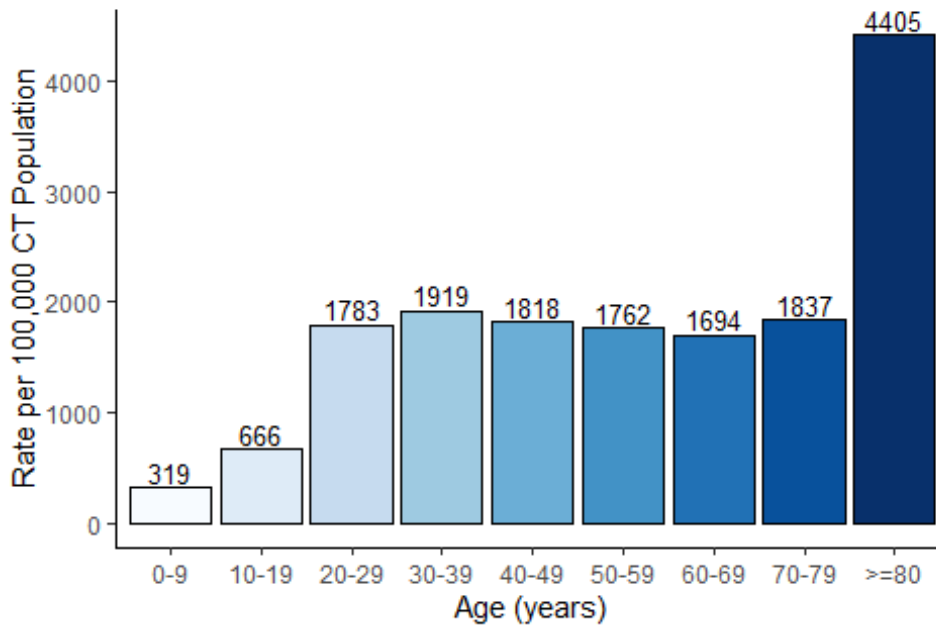
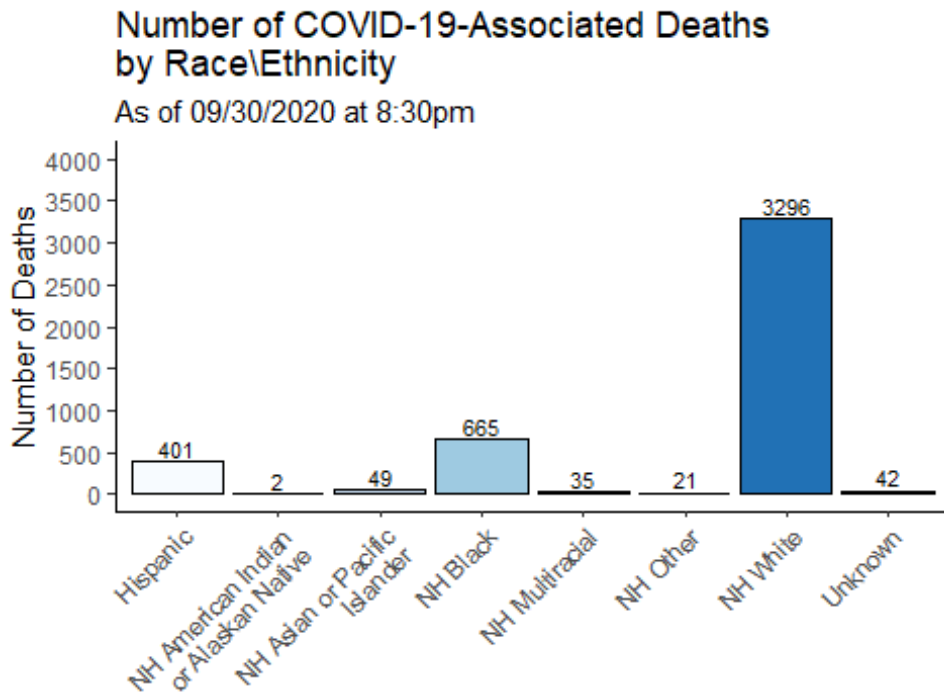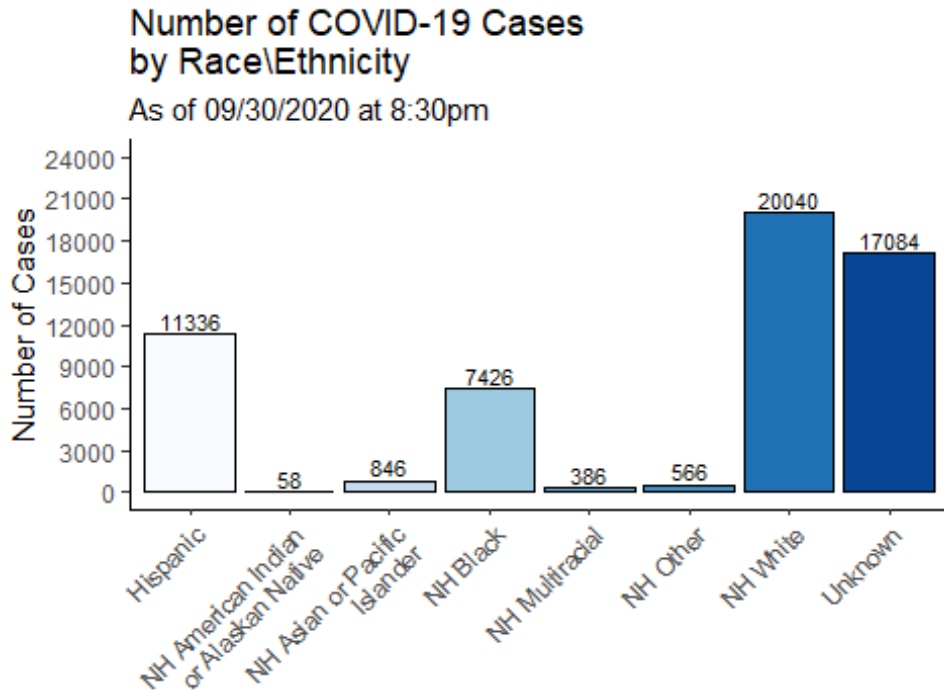## Rate of COVID-19 Cases by Gender

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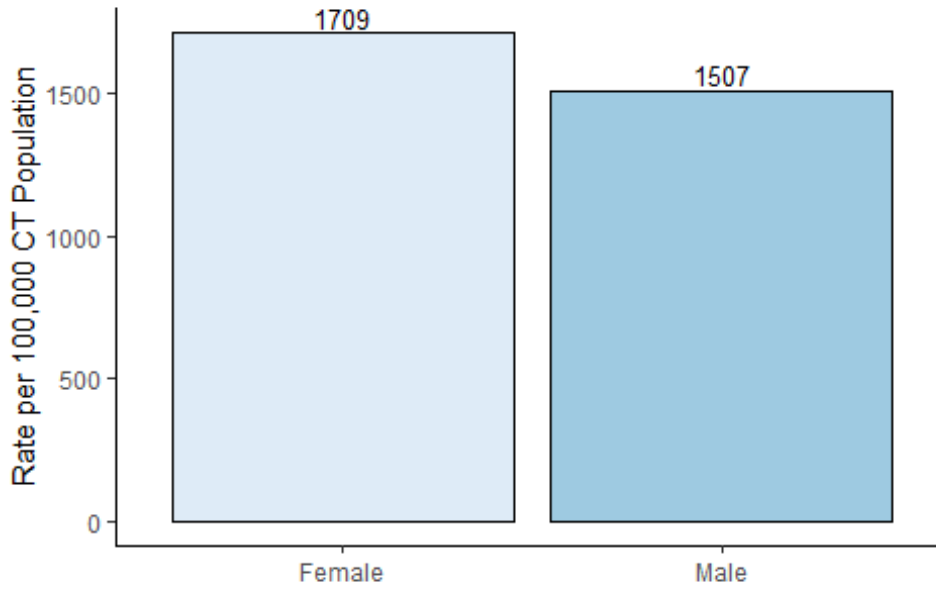
Rate of COVID-19-Associated Deaths by Gender
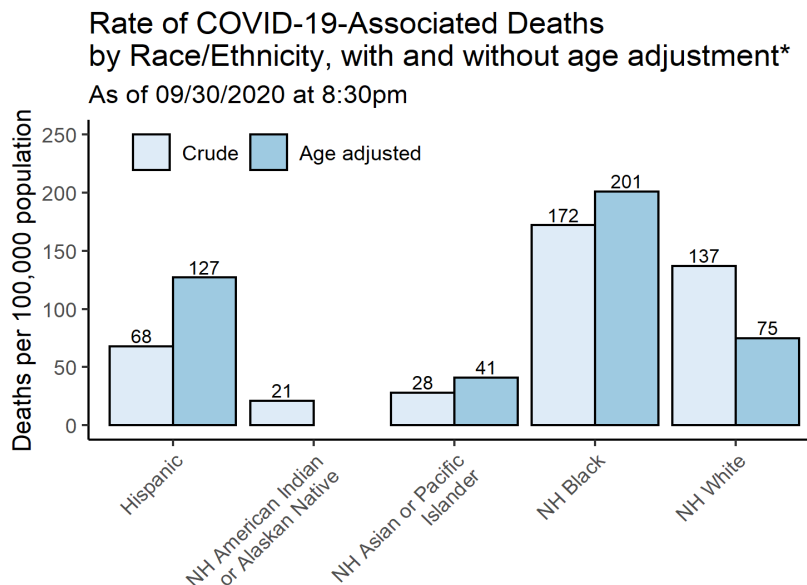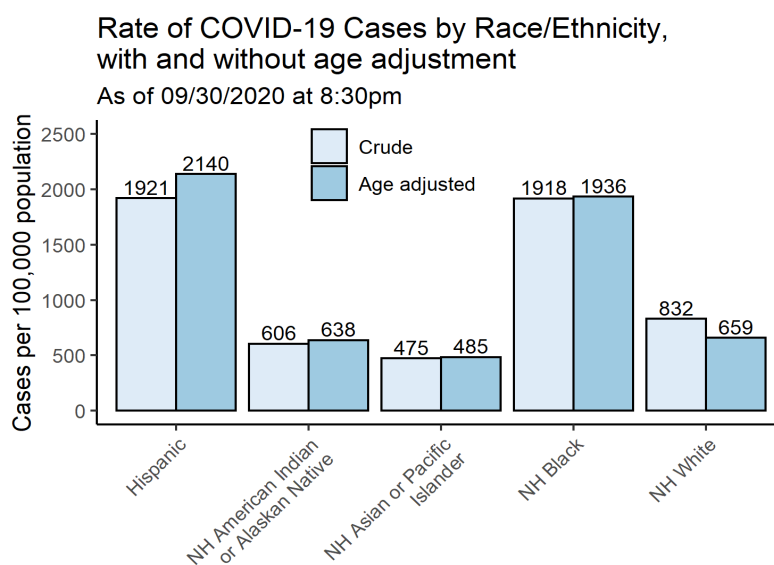
As of 09/30/2020 at 8:30pm

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 09/30/2020 at 8:30pm

Number of Cases

Category	Cases
Hispanic	11336
NH American Indian or Alaskan Native	58
NH Asian or Pacific Islander	846
NH Black	7426
NH Multiracial	386
NH Other	566
NH White	20040
Unknown	17084

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

Number of Deaths

Category	Deaths
Hispanic	401
NH American Indian or Alaskan Native	2
NH Asian or Pacific Islander	49
NH Black	665
NH Multiracial	35
NH Other	21
NH White	3296
Unknown	42

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 09/30/2020 at 8:30pm

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

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

All data are preliminary and subject to change. Updated 10/1/2020.