

COVID-19 Update September 24, 2020

As of **September 23, 2020, at 8:30 PM**, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is **56472**, including **54113** laboratory-confirmed and **2359** probable cases. **Seventy-two** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **4499** 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	56472	+157
COVID-19-Associated Deaths	4499	+2
Patients Currently Hospitalized with COVID-19	72	-1
COVID-19 PCR Tests Reported	1503114	+15562

**Includes confirmed plus probable cases

COVID-19 Cases and Associated Deaths by County of Residence

As of 09/23/20 8:30pm.

County	COVID-19 Cases		COVID-19-Associated Deaths	
	Confirmed	Probable	Confirmed	Probable
Fairfield County	19178	807	1107	314
Hartford County	13821	685	1112	322
Litchfield County	1763	93	120	21
Middlesex County	1495	69	154	39
New Haven County	13816	503	958	157
New London County	1756	74	86	28
Tolland County	1221	113	52	14
Windham County	937	11	14	1
Pending address validation	126	4	0	0
Total	54113	2359	3603	896

[National COVID-19 statistics](#) and information about [preventing spread of COVID-19](#) are available from the Centers for Disease Control and Prevention.

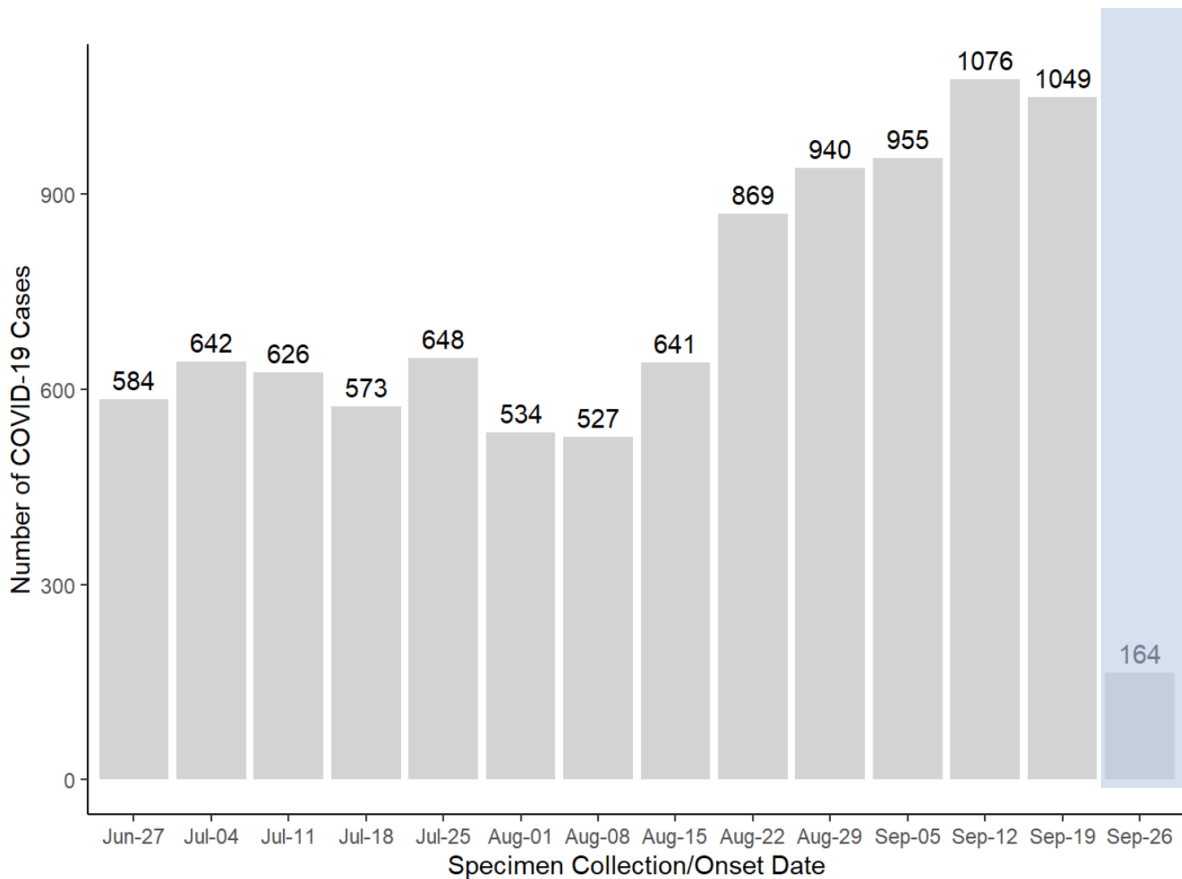
Day-to-day changes reflect newly reported cases, deaths, and tests that occurred over the last several days to week. All data in this report are preliminary; data for previous dates will be updated as new reports are received and data errors are corrected. Hospitalization data were collected by the Connecticut Hospital Association. Deaths reported to either OCME or DPH are included in the daily COVID-19 update.

COVID-19 Cases 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 five weeks, the number of new COVID-19 cases per week increased 67% compared to July and early August.

On average, there were 978 new COVID-19 cases diagnosed per week during August 16–September 19, (range 869–1076 cases per week). During July 19–August 15, the average was 585 new COVID-19 cases per week (range 527–648 cases per week). This corresponds to an increase from 2.3 new cases per 100,000 population per day (July 19–August 15) to 3.9 new cases per 100,000 population per day (August 16–September 19).

Number of COVID-19 Cases among Connecticut Residents by Week of Specimen Collection or Onset, June 27–September 16, 2020



Shading indicates data are incomplete for the current week.

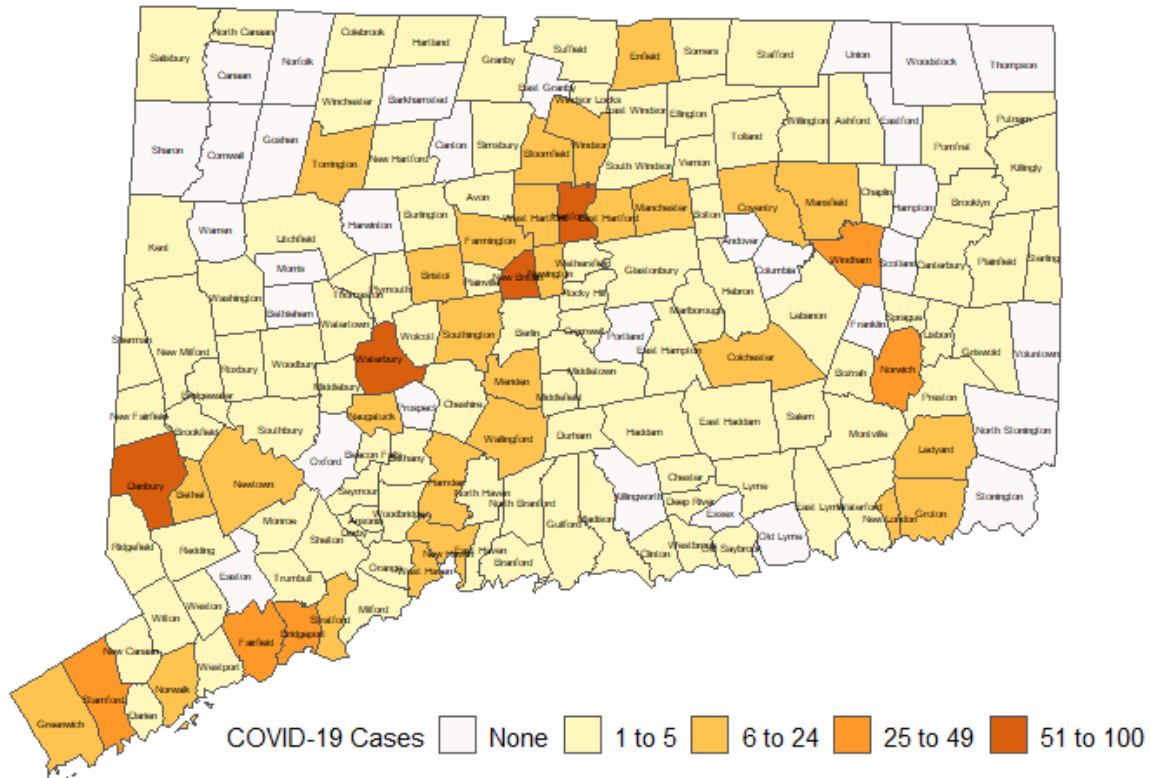
New Cases during September 13–19, 2020

Among 90,756 PCR tests for COVID-19 with specimen collection date during September 13–19, 1207 test results were positive. There were 1049 people who tested positive for the first time or had onset of symptoms during September 13–19. Of these 1049 people, 1030 (98%) cases were among people who reside in community settings and 19 (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 1030 cases among people living in community settings. The first map shows the number of cases and darker colors indicate towns with more cases.

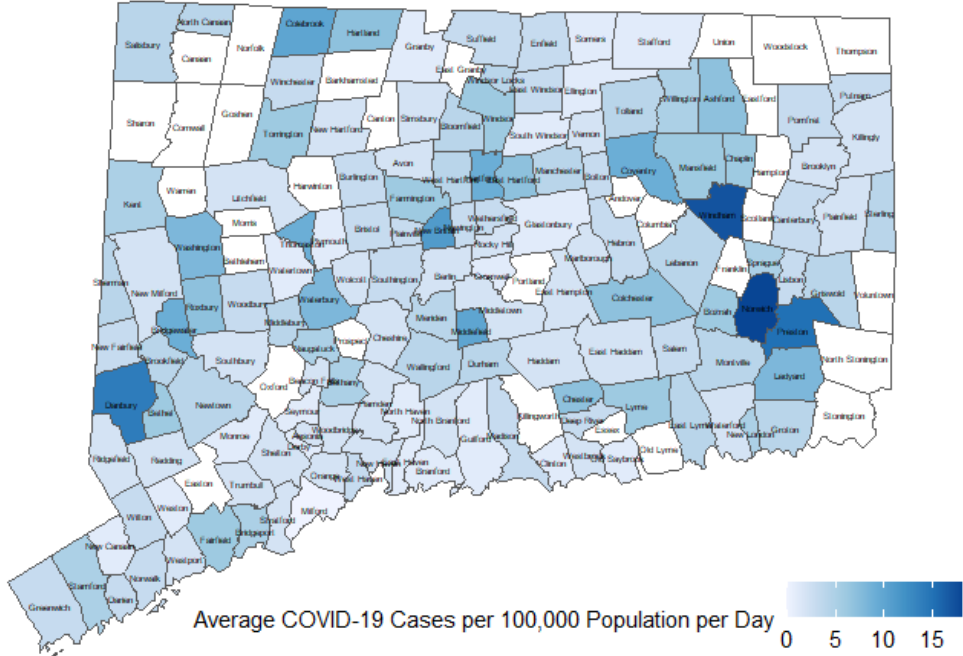
Because towns with larger populations are likely to have more cases, it is also important to look at the number of new cases per 100,000 population. The second map below shows the number of new cases per 100,000 population, with darker colors indicating higher rates.

Number of COVID-19 Cases among Persons Living in Community Settings by Town with Specimen Collection or Onset Date During September 13-19



Map does not include 9 cases pending address validation.

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 13-19



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 13–19, 2020

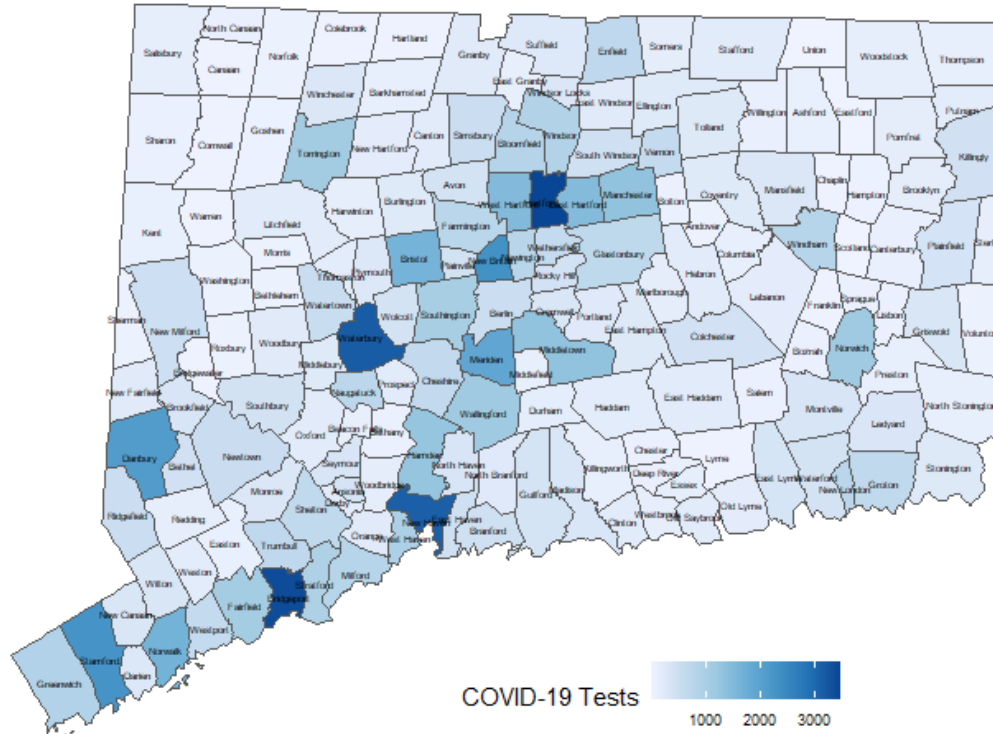
Table does not include 9 cases pending address validation. Daily rate is average number of cases per day per 100,000 population.

Town	Pop	Cases	Rate	Town	Pop	Cases	Rate	Town	Pop	Cases	Rate
Andover	3231	0	0	Groton	38692	12	4	Prospect	9790	0	0
Ansonia	18721	<5	2	Guilford	22216	<5	1	Putnam	9395	<5	3
Ashford	4261	<5	7	Haddam	8222	<5	2	Redding	9125	<5	2
Avon	18302	<5	2	Hamden	60940	7	2	Ridgefield	25008	<5	2
Barkhamsted	3624	0	0	Hampton	1853	0	0	Rocky Hill	20145	<5	2
Beacon Falls	6182	<5	2	Hartford	122587	80	9	Roxbury	2160	<5	7
Berlin	20432	<5	2	Hartland	2120	<5	7	Salem	4123	<5	3
Bethany	5479	<5	5	Harwinton	5430	0	0	Salisbury	3598	<5	4
Bethel	19714	8	6	Hebron	9482	<5	3	Scotland	1685	0	0
Bethlehem	3422	0	0	Kent	2785	<5	5	Seymour	16509	<5	1
Bloomfield	21301	6	4	Killingly	17287	<5	2	Sharon	2703	0	0
Bolton	4890	<5	3	Killingworth	6370	0	0	Shelton	41097	5	2
Bozrah	2537	<5	6	Lebanon	7207	<5	4	Sherman	3614	<5	4
Branford	28005	<5	1	Ledyard	14736	8	8	Simsbury	24979	<5	2
Bridgeport	144900	48	5	Lisbon	4248	<5	3	Somers	10834	<5	1
Bridgewater	1641	<5	9	Litchfield	8127	<5	2	South			
Bristol	60032	12	3	Lyme	2338	<5	6	Windsor	26054	<5	1
Brookfield	17002	5	4	Madison	18106	<5	3	Southbury	19656	<5	2
Brooklyn	8280	<5	2	Manchester	57699	15	4	Southington	43807	8	3
Burlington	9665	<5	3	Mansfield	25817	10	6	Sprague	2889	<5	5
Canaan	1055	0	0	Marlborough	6358	<5	2	Stafford	11884	<5	1
Canterbury	5100	<5	3	Meriden	59540	17	4	Stamford	129775	49	5
Canton	10270	0	0	Middlebury	7731	<5	4	Sterling	3780	<5	4
Chaplin	2256	<5	6	Middlefield	4380	<5	10	Stonington	18449	0	0
Cheshire	29179	5	2	Middletown	46146	5	2	Stratford	51967	7	2
Chester	4229	<5	7	Milford	54661	<5	0	Suffield	15743	<5	3
Clinton	12950	<5	1	Monroe	19470	<5	1	Thomaston	7560	5	9
Colchester	15936	8	7	Montville	18716	5	4	Thompson	9395	0	0
Colebrook	1405	<5	10	Morris	2262	0	0	Tolland	14655	<5	4
Columbia	5385	0	0	Naugatuck	31288	10	5	Torrington	34228	14	6
Cornwall	1368	0	0	New Britain	72453	55	11	Trumbull	35802	5	2
Coventry	12414	8	9	New Canaan	20213	<5	1	Union	840	0	0
Cromwell	13905	<5	1	New Fairfield	13877	<5	3	Vernon	29303	5	2
Danbury	84730	82	14	New Hartford	6685	<5	2	Voluntown	2535	0	0
Darien	21753	<5	3	New Haven	130418	17	2	Wallingford	44535	14	4
Deep River	4463	<5	3	New London	26939	9	5	Warren	1399	0	0
Derby	12515	<5	1	New Milford	26974	<5	2	Washington	3434	<5	8
Durham	7195	<5	4	Newington	30112	7	3	Waterbury	108093	62	8
East Granby	5147	0	0	Newtown	27774	8	4	Waterford	18887	<5	2
East Haddam	8988	<5	2	Norfolk	1640	0	0	Watertown	21641	<5	1
East Hampton	12854	<5	2	North				West Hartford	62939	19	4
East Hartford	49998	23	7	Branford	14158	<5	2	West Haven	54879	11	3
East Haven	28699	<5	1	North Canaan	3254	<5	4	Westbrook	6914	<5	2
East Lyme	18645	5	4	North Haven	23691	<5	1	Weston	10247	<5	1
East Windsor	11375	<5	3	North				Westport	28115	<5	2
Eastford	1790	0	0	Stonington	5243	0	0	Wethersfield	26082	5	3
Easton	7517	0	0	Norwalk	89047	18	3	Willington	5887	<5	5
Ellington	16299	<5	1	Norwich	39136	48	18	Wilton	18397	<5	3
Enfield	44466	10	3	Old Lyme	7366	0	0	Winchester	10655	<5	3
Essex	6674	0	0	Old Saybrook	10087	<5	1	Windham	24706	30	17
Fairfield	61952	27	6	Orange	13949	<5	2	Windsor	28760	13	6
Farmington	25506	10	6	Oxford	13226	0	0	Windsor Locks	12876	<5	4
Franklin	1933	0	0	Plainfield	15173	<5	2	Wolcott	16649	<5	2
Glastonbury	34491	<5	1	Plainville	17623	<5	3	Woodbridge	8805	<5	2
Goshen	2879	0	0	Plymouth	11645	<5	1	Woodbury	9537	<5	3
Granby	11375	<5	1	Pomfret	4204	<5	3				
Greenwich	62727	11	3	Portland	9305	0	0				
Griswold	11591	<5	4	Preston	4638	5	15				

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

Among 90,756 PCR tests for COVID-19 with specimen collection date during September 13–19, 81,711 (90%) tests were conducted among people who did not reside in congregate settings (including nursing homes, assisted living, and correctional facilities). Of these 81,711 tests, 1,183 (1%) were positive. The map below shows the number of PCR COVID-19 tests by town with specimen collection date during September 13–19 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 13-19

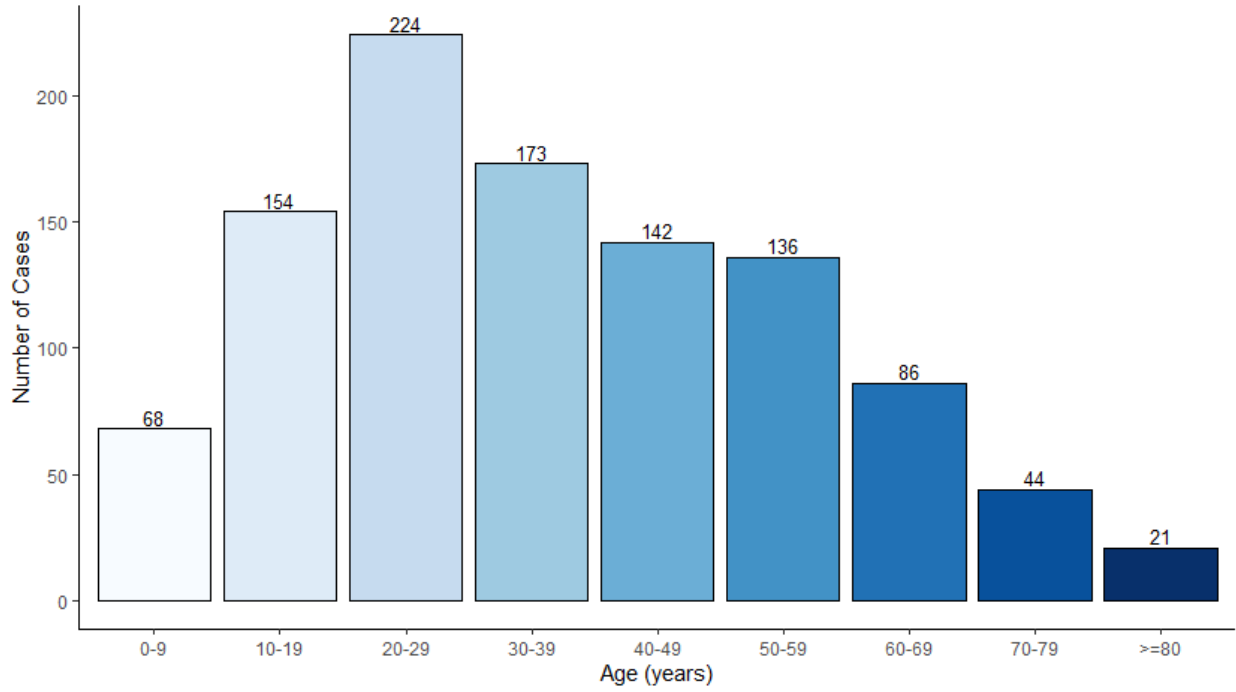


Map does not include 2417 test results pending address validation.

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

Number of New COVID-19 Cases by Age Group with Collection or Onset during September 13-19

As of 09/23/2020 at 8:30PM

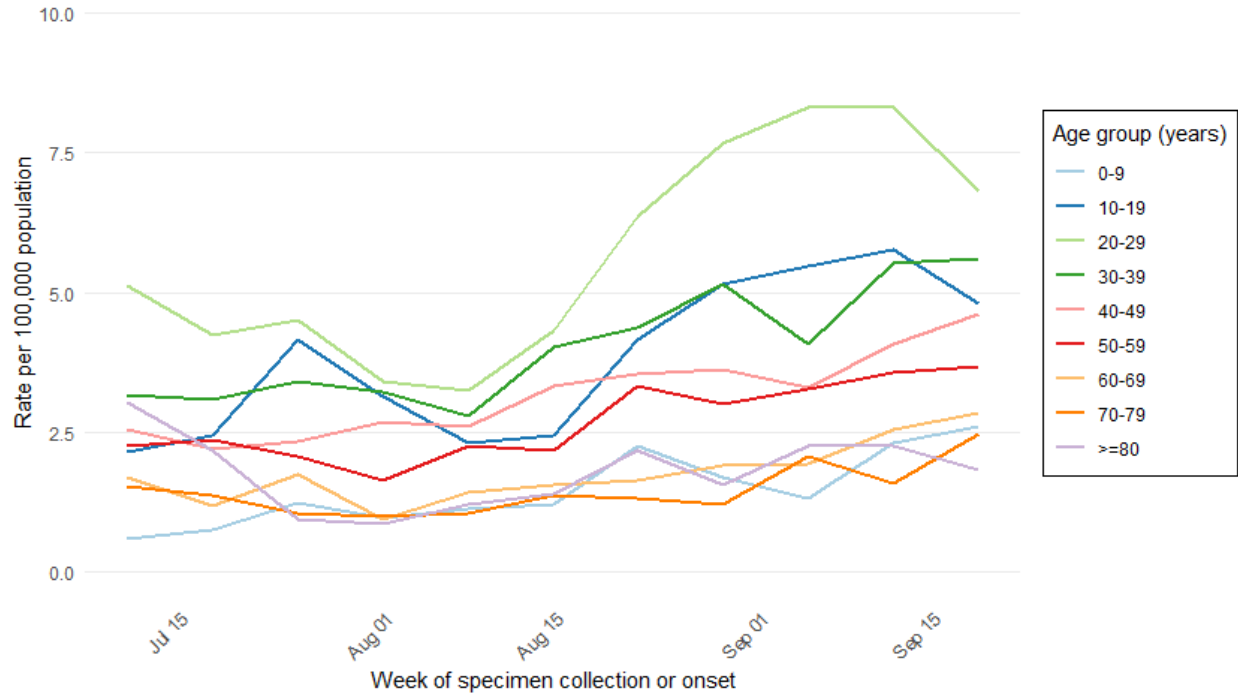


Average Daily Incidence by Age Group

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.

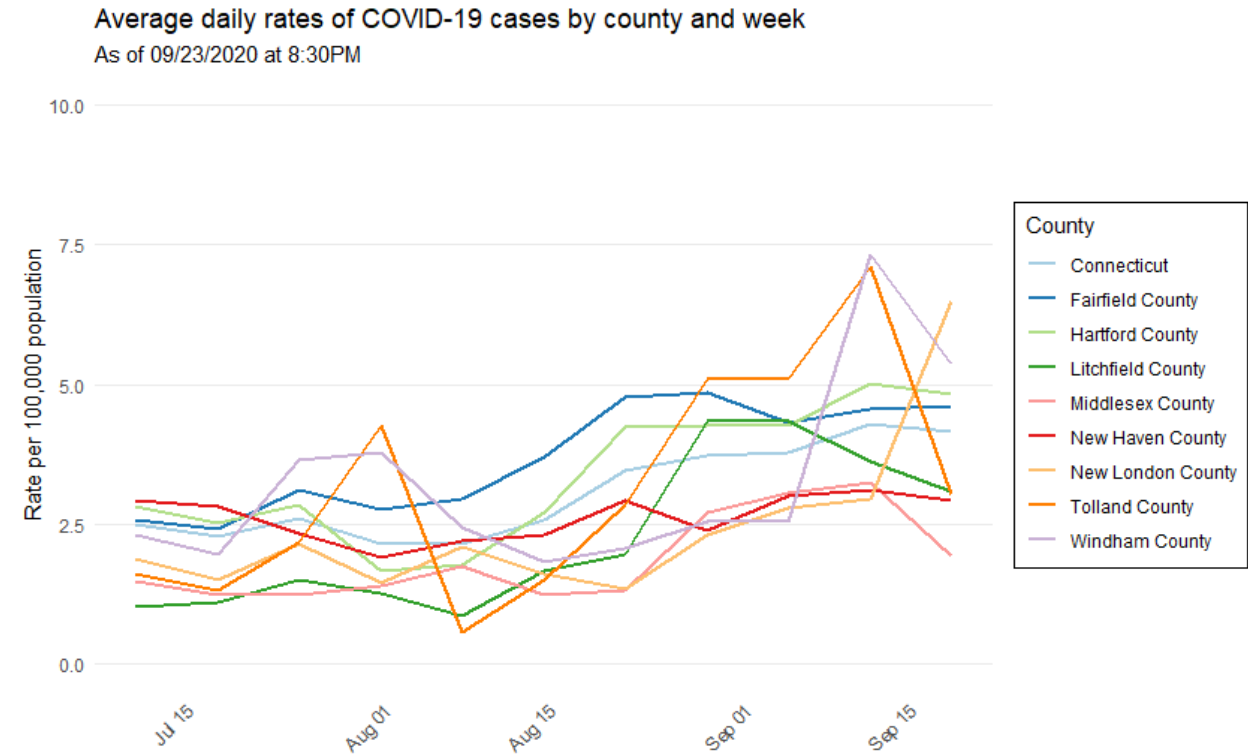
Average daily rate of COVID-19 cases by age group and week

As of 8/26/2020 at 8:30 PM



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.



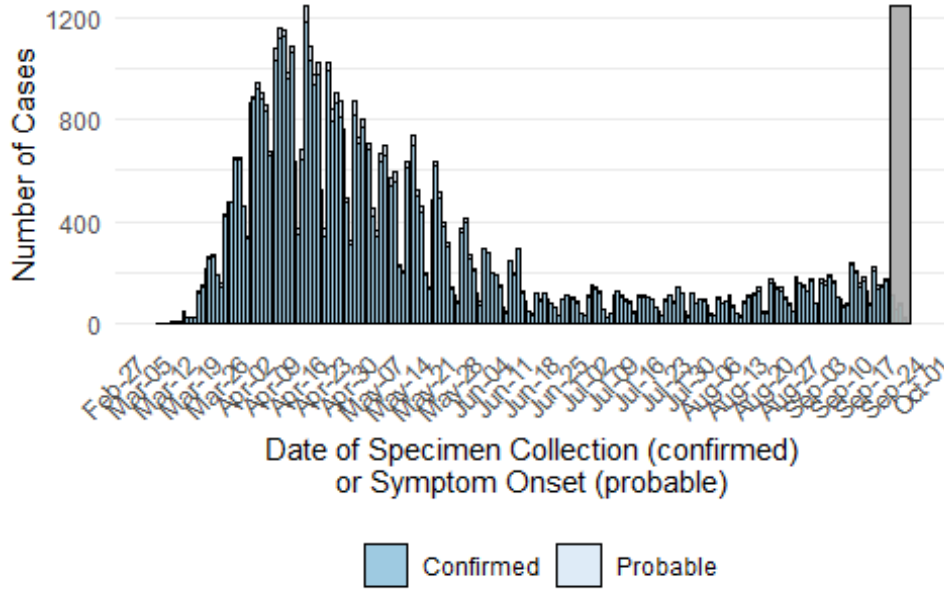
Notes: Incidence rates are based on weekly cases divided by the estimated annual population and multiplied by 100,000. Cases pending address validation are excluded from rate calculations.

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.

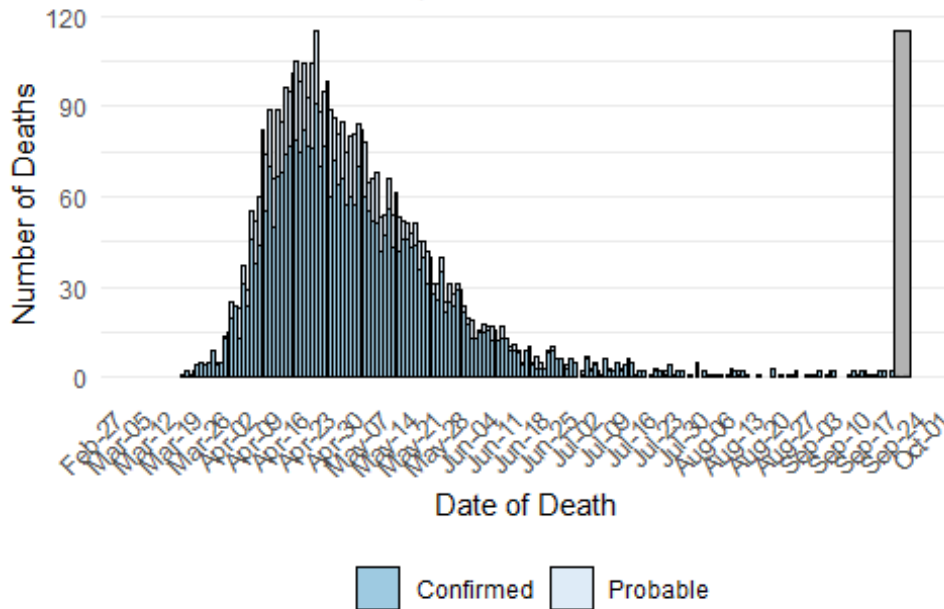
Number of Confirmed and Probable COVID-19 Cases by Date

As of 09/23/2020 at 8:30pm



Number of COVID-19-Associated Deaths by Date of Death

As of 09/23/2020 at 8:30pm

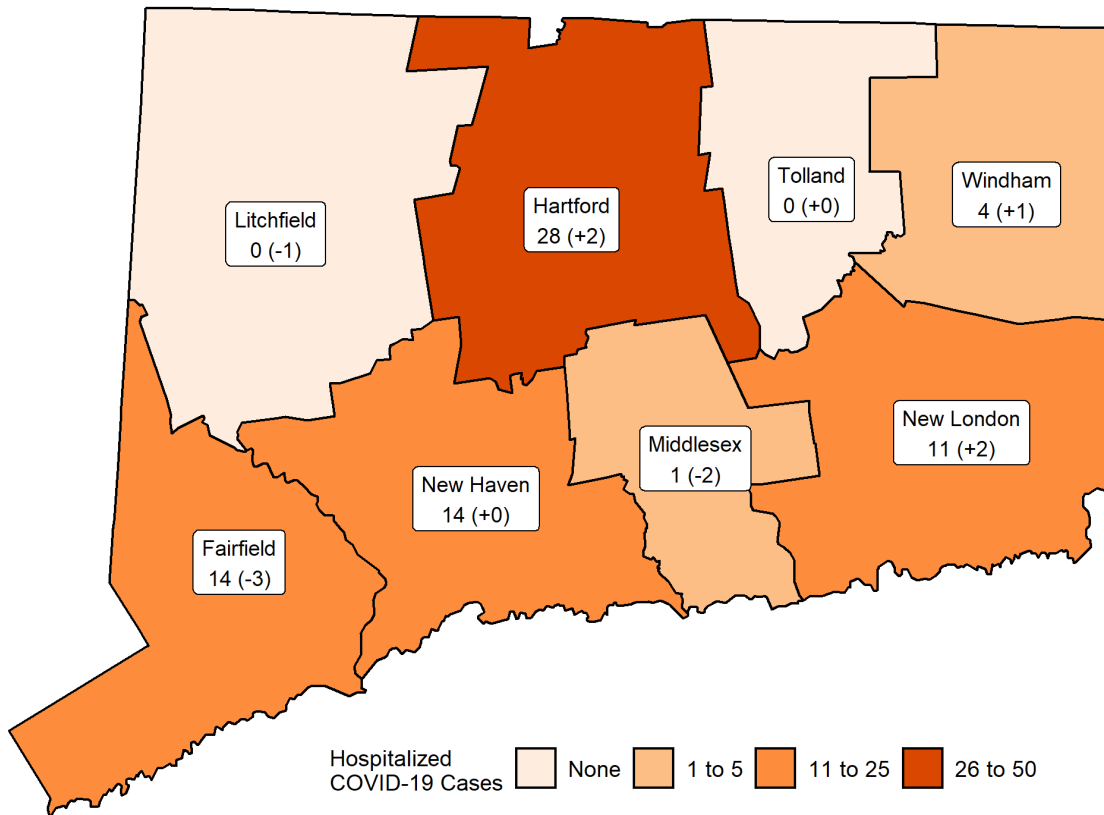


Hospitalization Surveillance

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

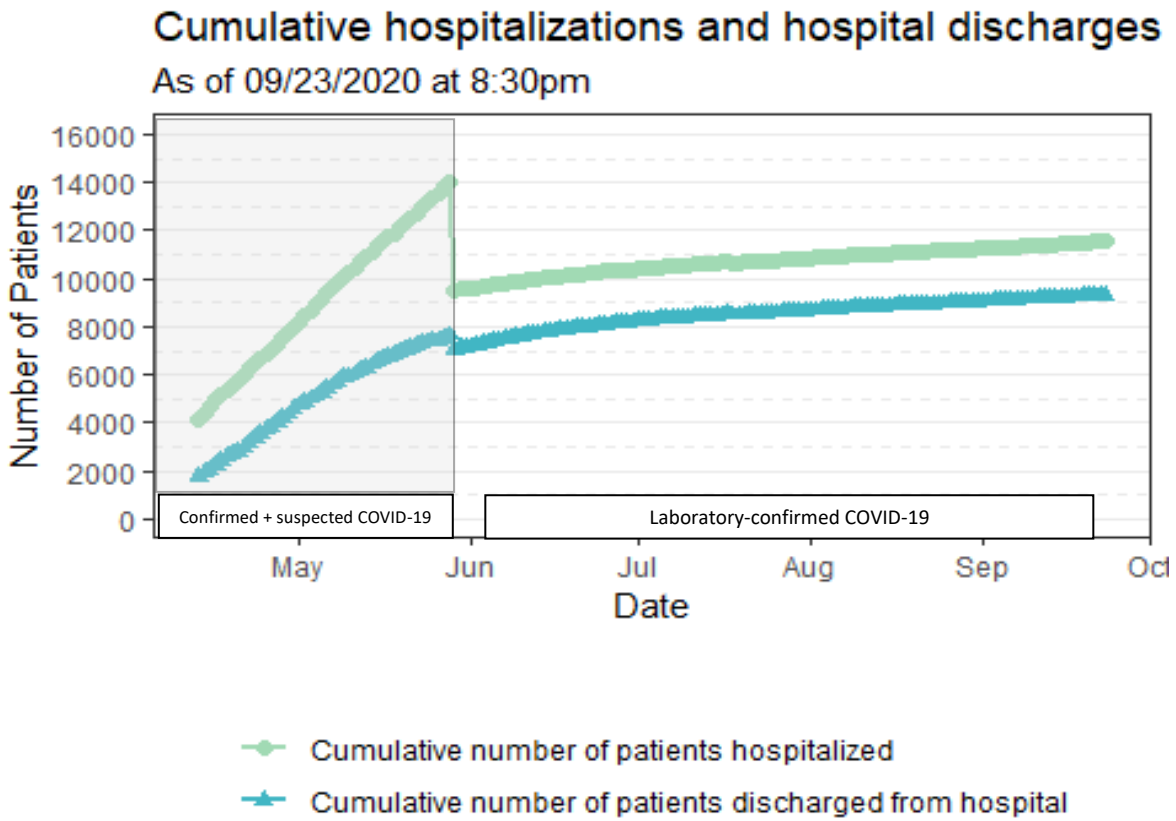
Distribution by location of hospital not patient residence. Data from the Connecticut Hospital Association.



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

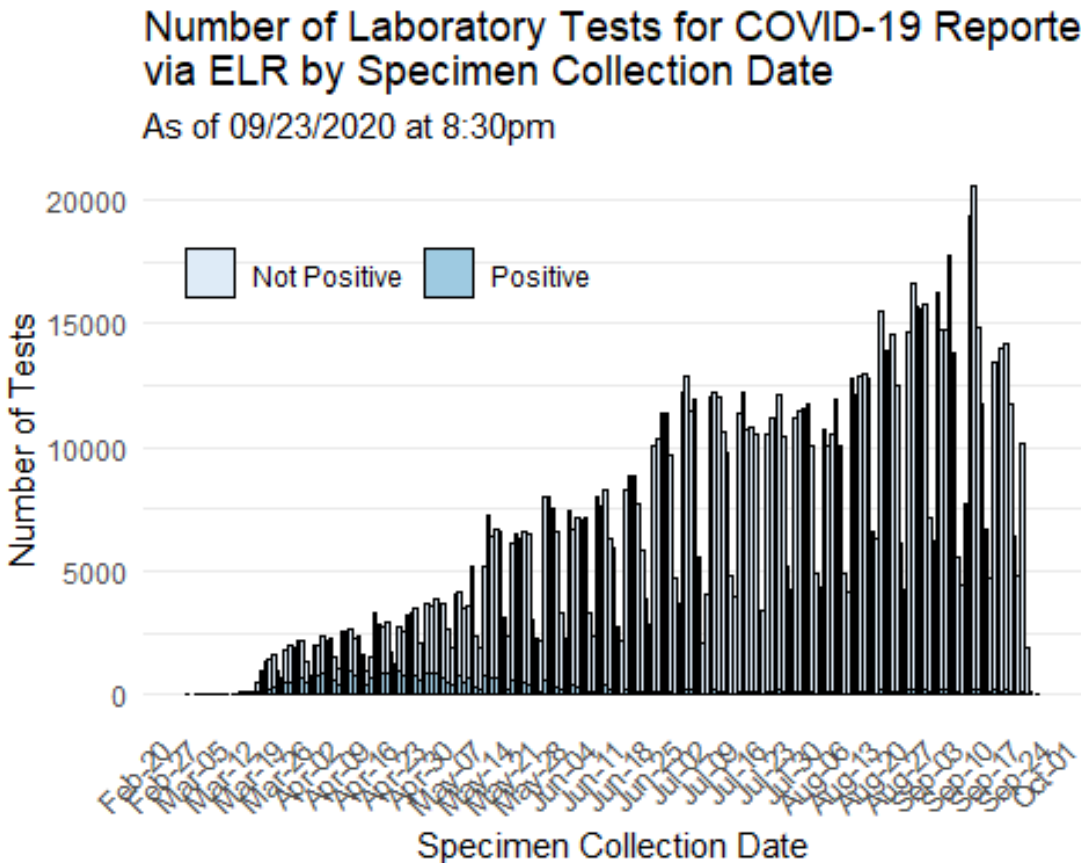
Cumulative hospitalizations and cumulative hospital discharges for COVID-19

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, **11560** patients have been hospitalized with laboratory-confirmed COVID-19 in Connecticut and **9310** patients hospitalized with laboratory-confirmed have been discharged.



Laboratory Surveillance

To date, DPH has received reports on a total of 1503114 COVID-19 laboratory tests; of these 1324468 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.

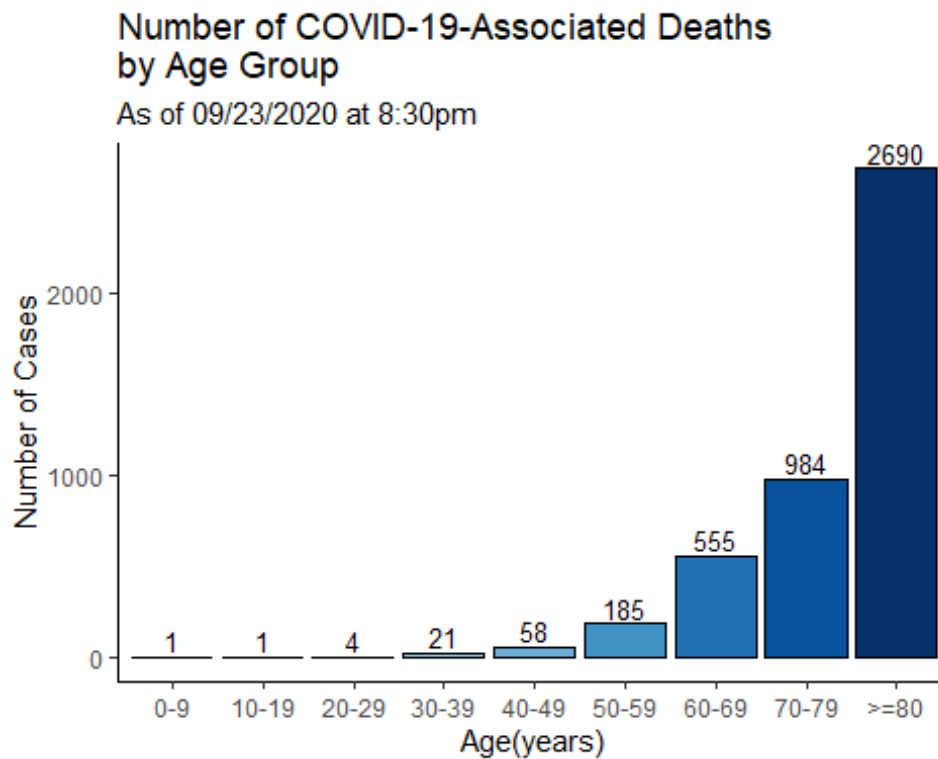
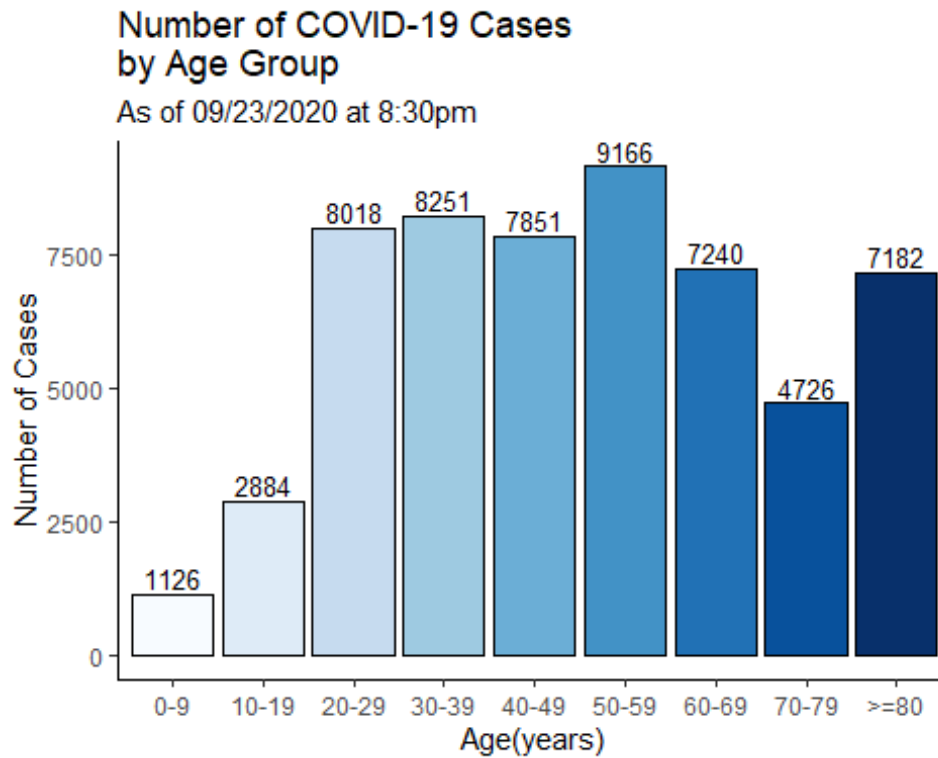


Testing of specimens collected since September 21 is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.

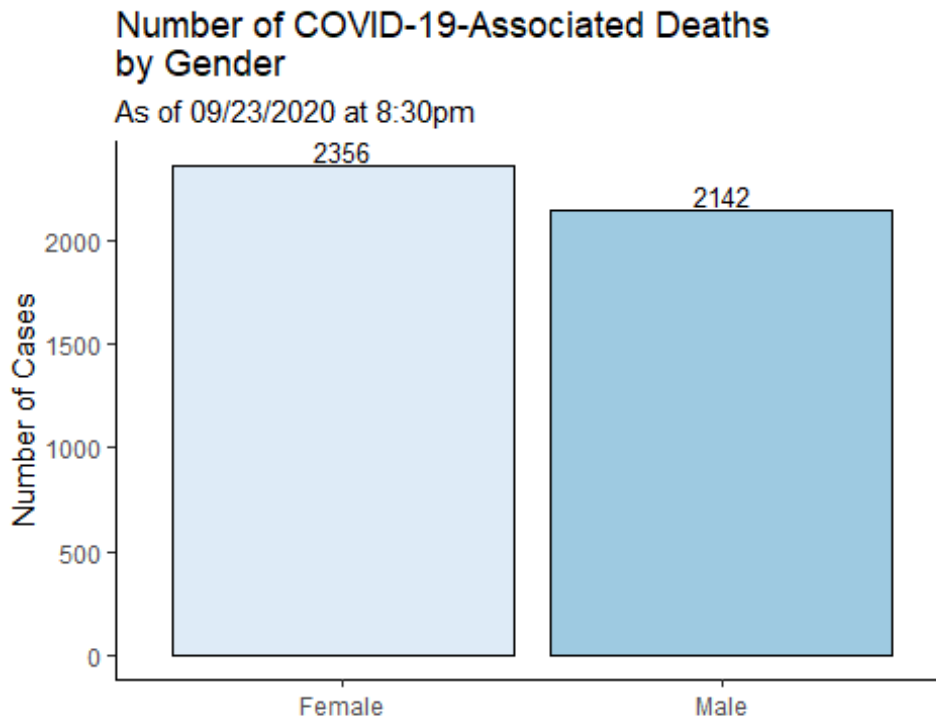
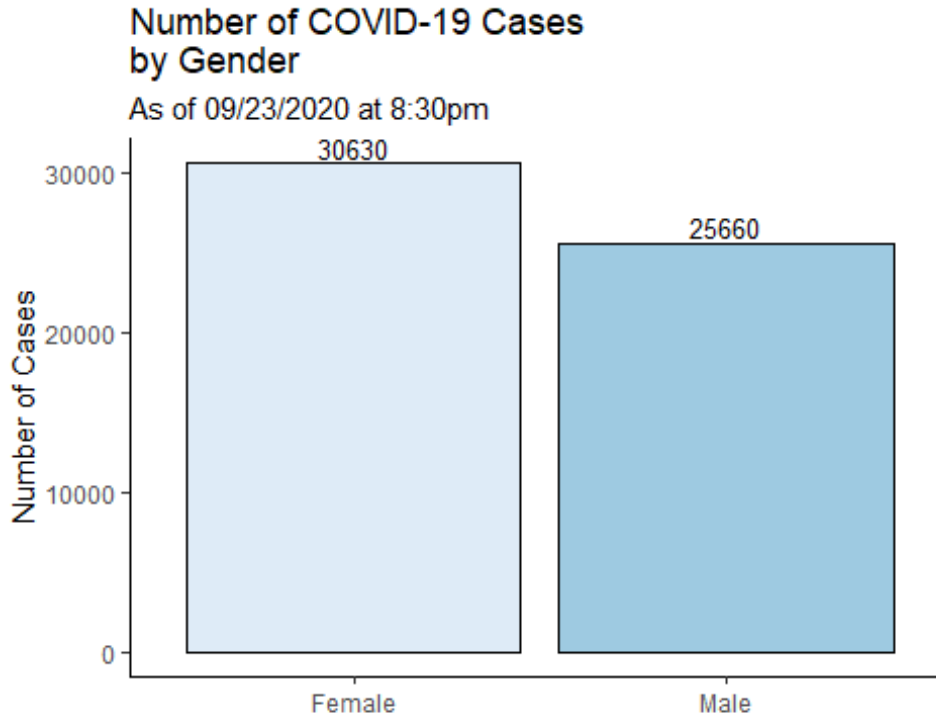
ELR = Electronic Laboratory Reporting

Characteristics of COVID-19 Cases and Associated Deaths

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

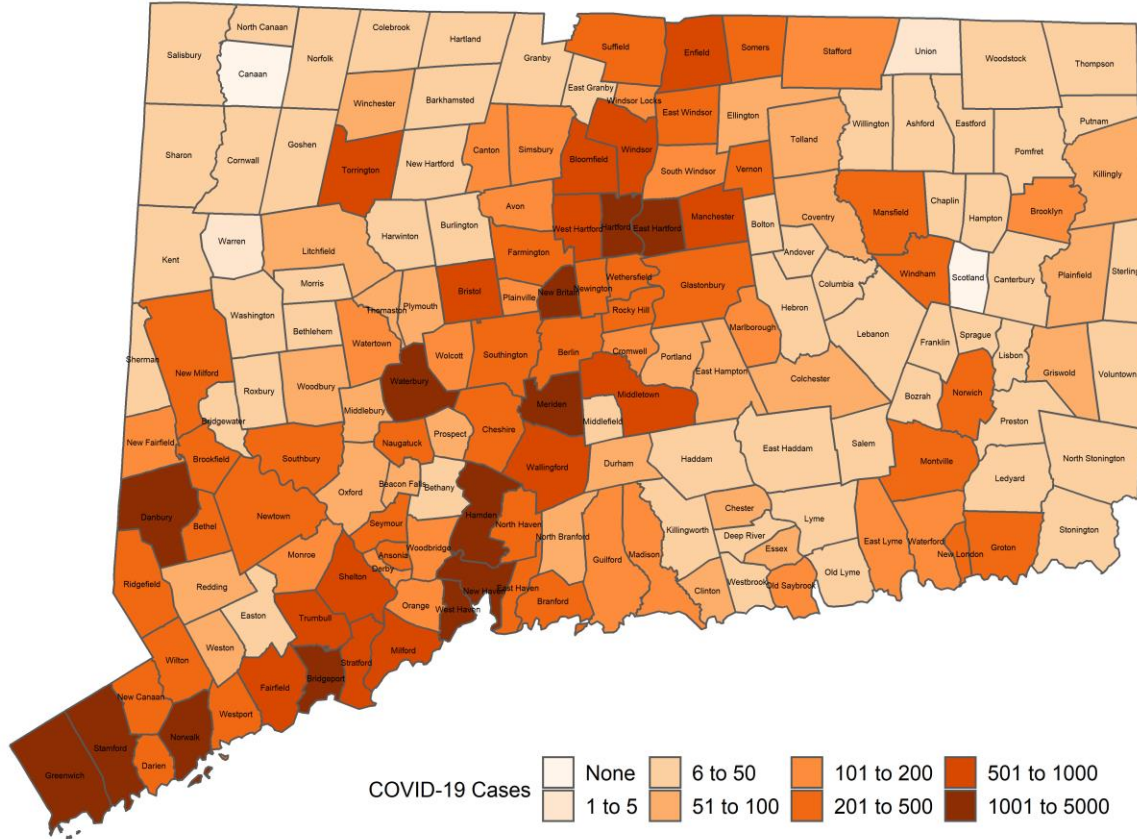


Counts may not add up to total case count because demographic data may be missing.



Cumulative Number of COVID-19 Cases by Town

Map does not include 126 cases pending address validation



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

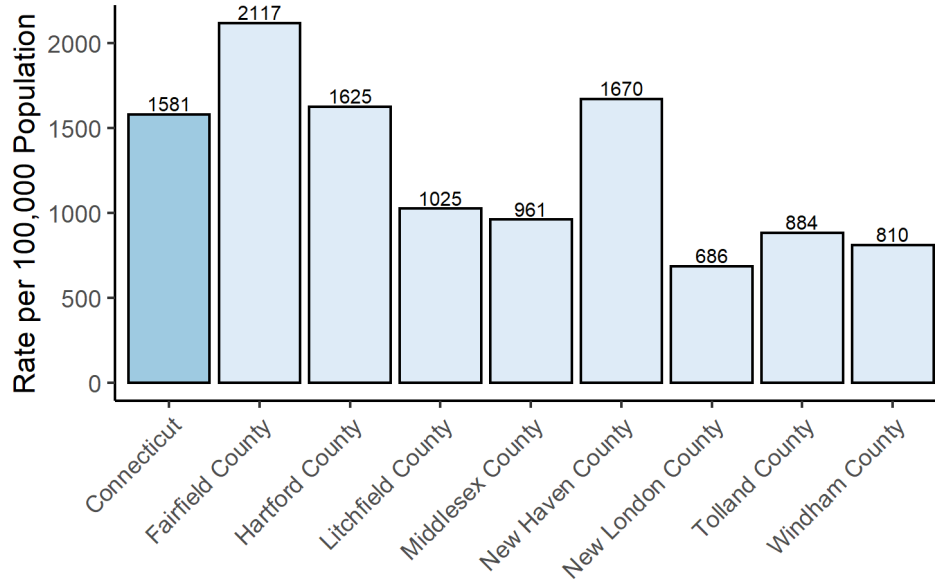
Table does not include 126 cases pending address validation

Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	10	0	Griswold	53	2	Prospect	78	0
Ansonia	311	8	Groton	195	15	Putnam	44	1
Ashford	24	1	Guilford	131	10	Redding	75	7
Avon	175	10	Haddam	47	1	Ridgefield	263	13
Barkhamsted	31	2	Hamden	1097	42	Rocky Hill	457	18
Beacon Falls	63	0	Hampton	8	0	Roxbury	15	3
Berlin	202	9	Hartford	3127	133	Salem	16	0
Bethany	48	1	Hartland	7	0	Salisbury	26	1
Bethel	306	25	Harwinton	35	3	Scotland	0	0
Bethlehem	12	1	Hebron	41	2	Seymour	236	10
Bloomfield	564	30	Kent	18	4	Sharon	15	0
Bolton	28	2	Killingly	58	4	Shelton	689	41
Bozrah	16	0	Killingworth	22	0	Sherman	16	5
Branford	375	15	Lebanon	33	0	Simsbury	148	14
Bridgeport	4132	127	Ledyard	49	0	Somers	289	21
Bridgewater	13	2	Lisbon	14	0	South Windsor	173	16
Bristol	703	17	Litchfield	53	2	Southbury	212	6
Brookfield	212	12	Lyme	8	1	Southington	392	16
Brooklyn	164	2	Madison	170	9	Sprague	8	1
Burlington	42	2	Manchester	831	61	Stafford	112	8
Canaan	0	0	Mansfield	194	49	Stamford	3602	81
Canterbury	22	1	Marlborough	99	5	Sterling	9	0
Canton	96	9	Meriden	1062	35	Stonington	34	6
Chaplin	7	0	Middlebury	55	6	Stratford	920	43
Cheshire	257	8	Middlefield	26	1	Suffield	182	19
Chester	51	1	Middletown	676	26	Thomaston	75	2
Clinton	74	4	Milford	715	28	Thompson	47	1
Colchester	69	3	Monroe	148	5	Tolland	57	8
Colebrook	6	0	Montville	315	7	Torrington	614	26
Columbia	30	0	Morris	15	0	Trumbull	565	54
Cornwall	6	0	Naugatuck	444	17	Union	4	1
Coventry	64	5	New Britain	1475	59	Vernon	289	12
Cromwell	139	15	New Canaan	212	6	Voluntown	15	0
Danbury	2743	137	New Fairfield	139	6	Wallingford	554	16
Darien	258	8	New Hartford	39	0	Warren	5	0
Deep River	18	2	New Haven	2989	73	Washington	29	1
Derby	192	0	New London	222	6	Waterbury	2317	104
Durham	54	5	New Milford	337	26	Waterford	184	8
East Granby	15	0	Newington	437	21	Watertown	168	9
East Haddam	32	0	Newtown	286	17	West Hartford	827	60
East Hampton	63	5	Norfolk	14	1	West Haven	1173	46
East Hartford	1068	59	North Branford	93	5	Westbrook	38	0
East Haven	435	26	North Canaan	11	1	Weston	87	4
East Lyme	167	13	North Haven	301	10	Westport	359	16
East Windsor	204	14	North Stonington	15	1	Wethersfield	300	7
Eastford	12	0	Norwalk	2189	62	Willington	23	1
Easton	41	2	Norwich	266	10	Wilton	235	28
Ellington	80	4	Old Lyme	28	0	Winchester	70	1
Enfield	727	13	Old Saybrook	120	4	Windham	414	0
Essex	56	0	Orange	149	5	Windsor	611	47
Fairfield	746	60	Oxford	90	4	Windsor Locks	145	6
Farmington	252	9	Plainfield	71	1	Wolcott	132	8
Franklin	17	0	Plainville	192	2	Woodbridge	137	11
Glastonbury	331	27	Plymouth	81	5	Woodbury	61	2
Goshen	14	1	Pomfret	21	0	Woodstock	36	0
Granby	39	2	Portland	79	5			
Greenwich	955	48	Preston	32	1			

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](#)

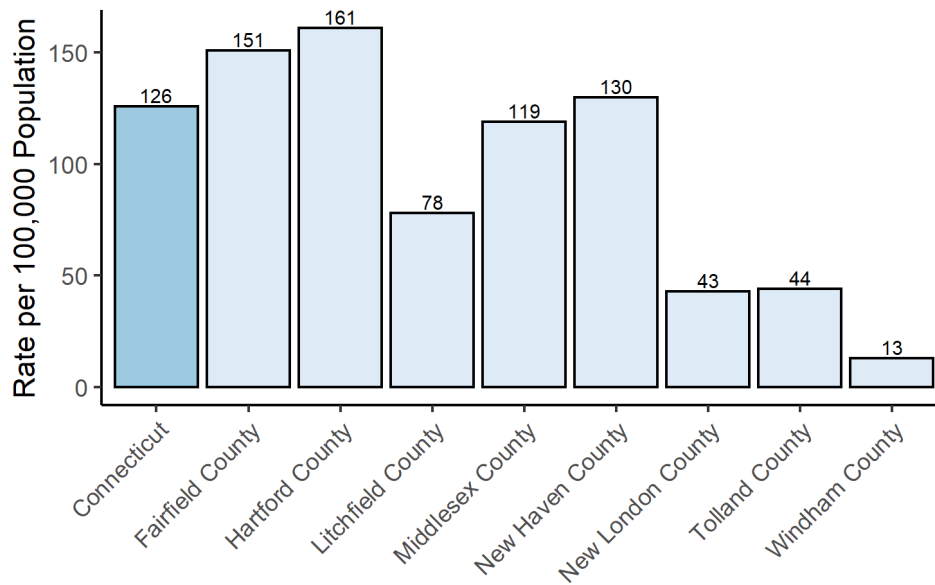
Rate of COVID-19 Cases Statewide and by County

As of 09/23/2020 at 8:30pm



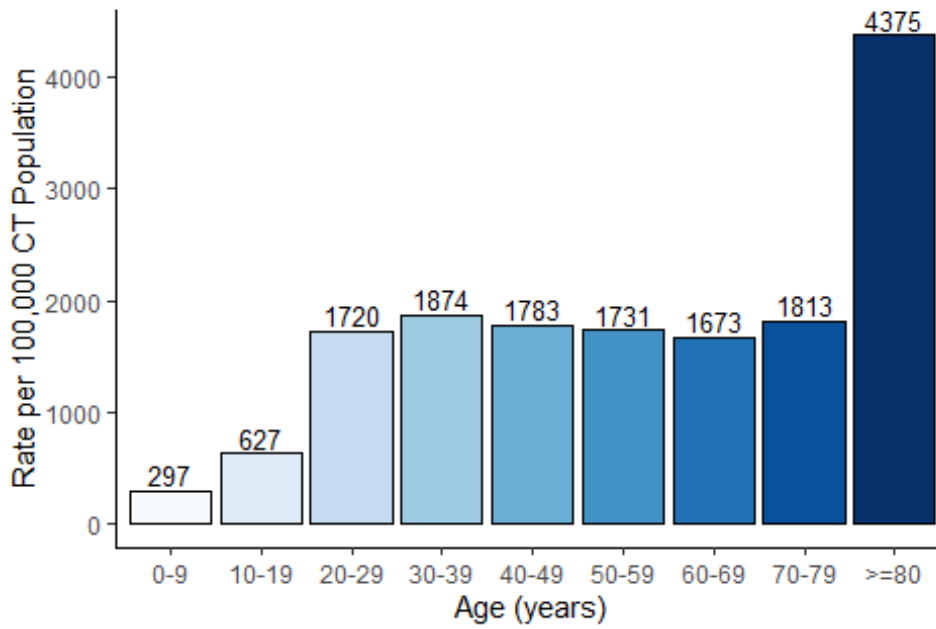
Rate of COVID-19-Associated Deaths Statewide and by County

As of 09/23/2020 at 8:30pm



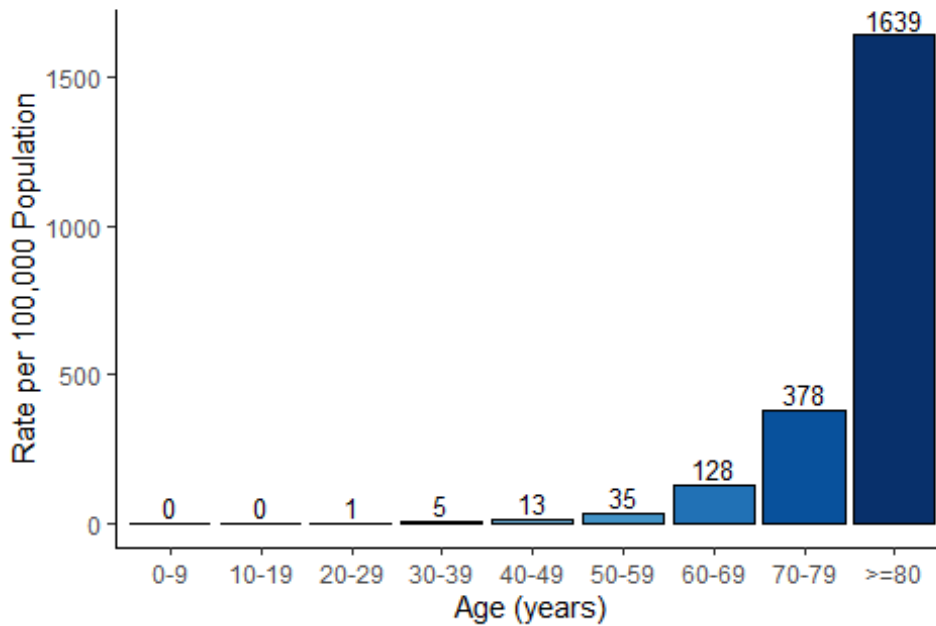
Rate of COVID-19 Cases by Age Group

As of 09/23/2020 at 8:30pm



Rate of COVID-19-Associated Deaths by Age Group

As of 09/23/2020 at 8:30pm



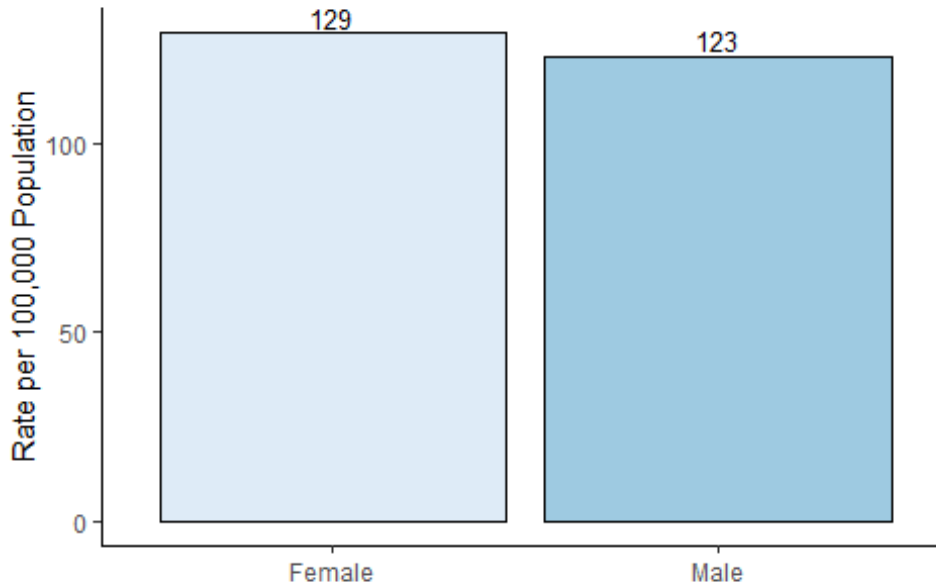
Rate of COVID-19 Cases by Gender

As of 09/23/2020 at 8:30pm

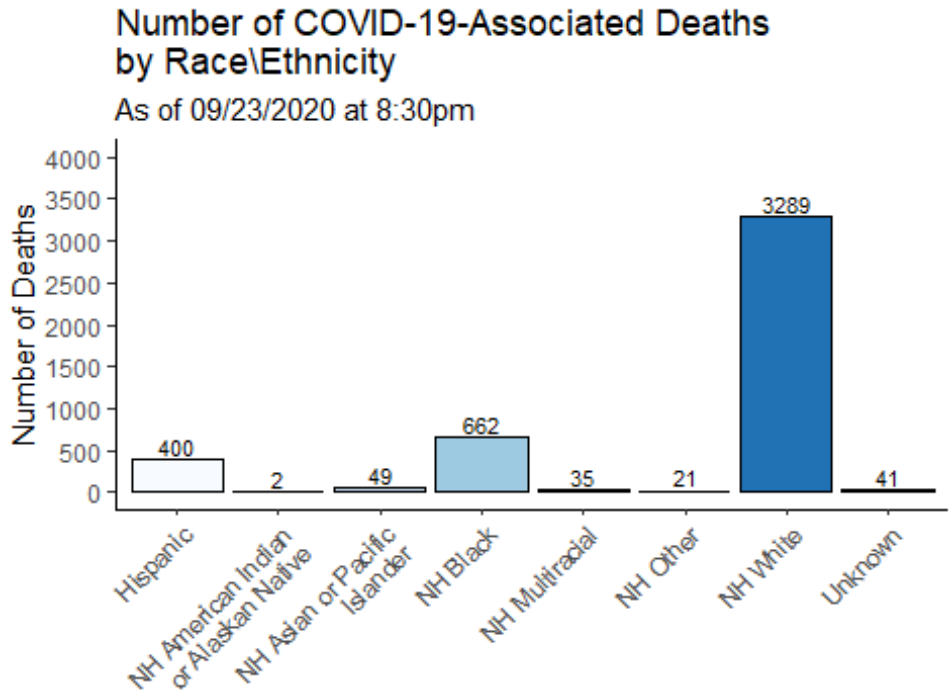
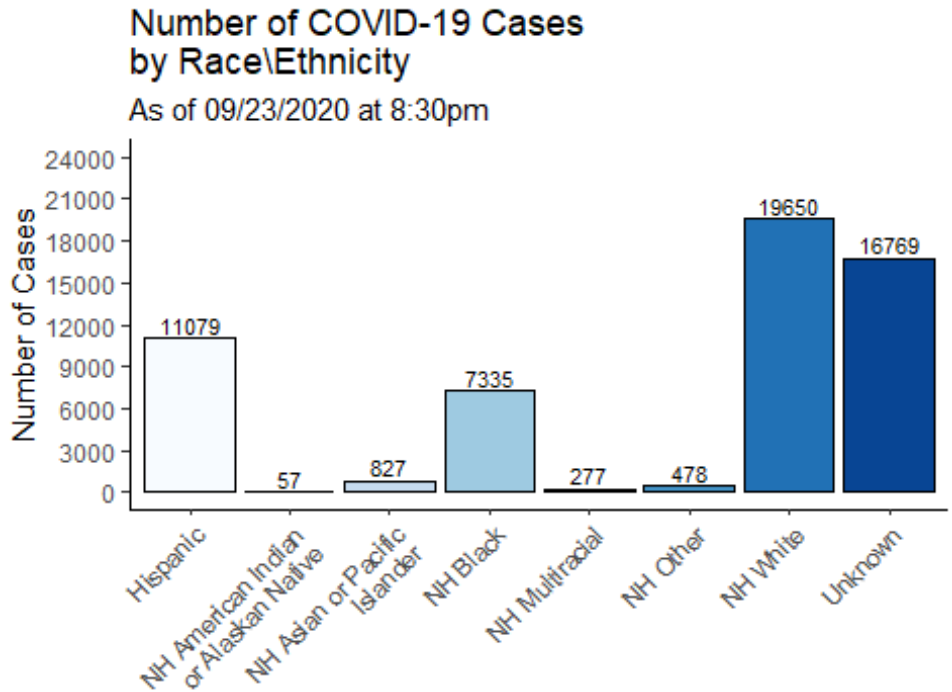


Rate of COVID-19-Associated Deaths by Gender

As of 09/23/2020 at 8:30pm

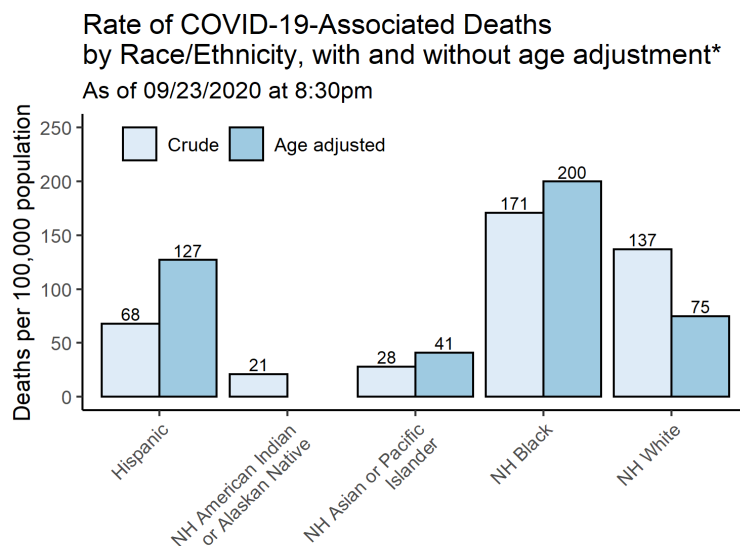
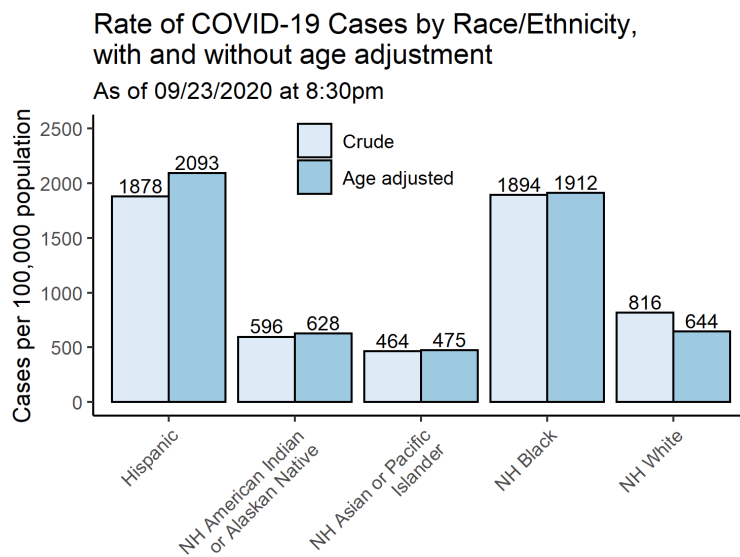


APPENDIX C. The following graphs show the number of cases and deaths by race and ethnicity. Categories are mutually exclusive. The category “multiracial” includes people who answered ‘yes’ to more than one race category. NH=Non-Hispanic



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



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