

## COVID-19 Update October 29, 2020

As of **October 28, 2020, at 8:30 PM**, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is **70446**, including **66896** laboratory-confirmed and **3550** probable cases. **Three hundred twenty-one** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **4609** COVID-19-associated deaths.

In Connecticut during the early months of this pandemic, it became increasingly 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](#). Prior to June 1, probable and confirmed cases were reported together.

Overall Summary	Total**	Change Since Yesterday
COVID-19 Cases	70446	+1319
COVID-19-Associated Deaths	4609	+5
Patients Currently Hospitalized with COVID-19	321	+12
COVID-19 PCR Tests Reported	2254342	+21739

\*\*Includes confirmed plus probable cases

### COVID-19 Cases and Associated Deaths by County of Residence

*As of 10/28/20 8:30pm.*

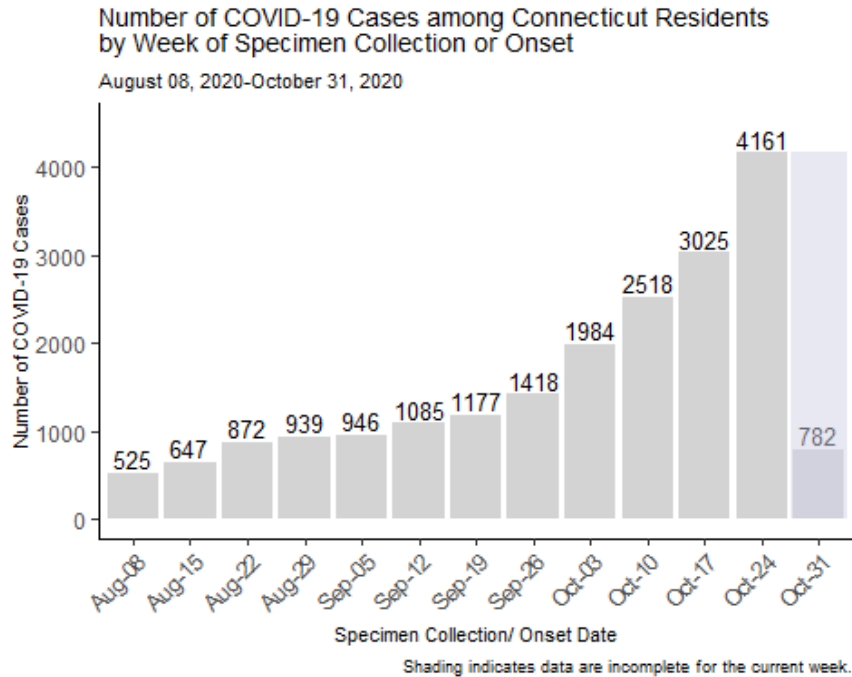
County	COVID-19 Cases		COVID-19-Associated Deaths	
	Confirmed	Probable	Confirmed	Probable
Fairfield County	22538	1357	1119	316
Hartford County	17129	866	1156	323
Litchfield County	2135	144	122	21
Middlesex County	1898	94	158	39
New Haven County	16338	818	970	158
New London County	3660	105	106	34
Tolland County	1631	133	53	15
Windham County	1425	20	18	1
Pending address validation	142	13	0	0
<b>Total</b>	<b>66896</b>	<b>3550</b>	<b>3702</b>	<b>907</b>

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

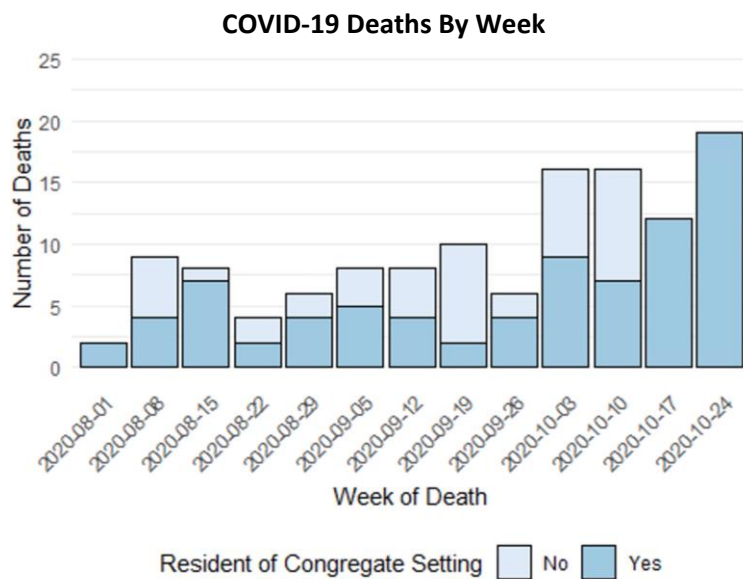
**Day-to-day changes reflect newly reported cases, deaths, and tests that occurred over the last several days to week.** All data in this report are preliminary; data for previous dates will be updated as new reports are received and data errors are corrected. Hospitalization data were collected by the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

## Recent COVID-19 Cases and Deaths

The chart below shows the number of new COVID-19 cases reported to CT DPH by week of specimen collection or onset of illness. During the past two weeks (October 11-24), there were 7186 new COVID-19 cases, including cases among people residing in the community and congregate settings, such as nursing home, assisted living, and correctional facilities.



The graph below shows the number of COVID-19 associated deaths since August 1<sup>st</sup> by week of death and whether the person was residing in a congregate setting, such as a nursing home, managed residential community, or correctional facility. In total there have been 145 deaths during this period, of which 81 were among residents of congregate settings.

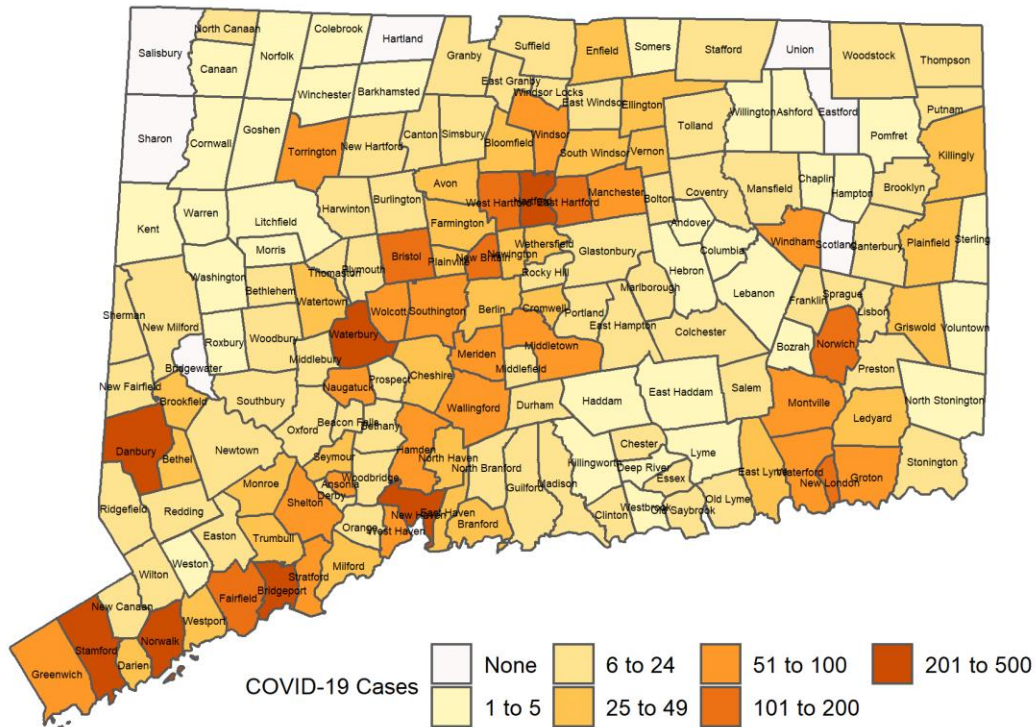


## Community Transmission of COVID-19

Among 7186 new COVID-19 cases with specimen collection or onset date during October 11-24, there were 6985 cases among people living in community settings, as shown in the map below. This corresponds to an average of 14.0 new COVID-19 cases per day per 100,000 population. Cases among people 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 14 towns.

Number of COVID-19 Cases among People Living in Community Settings by Town with Specimen Collection or Onset Date During October 11-24

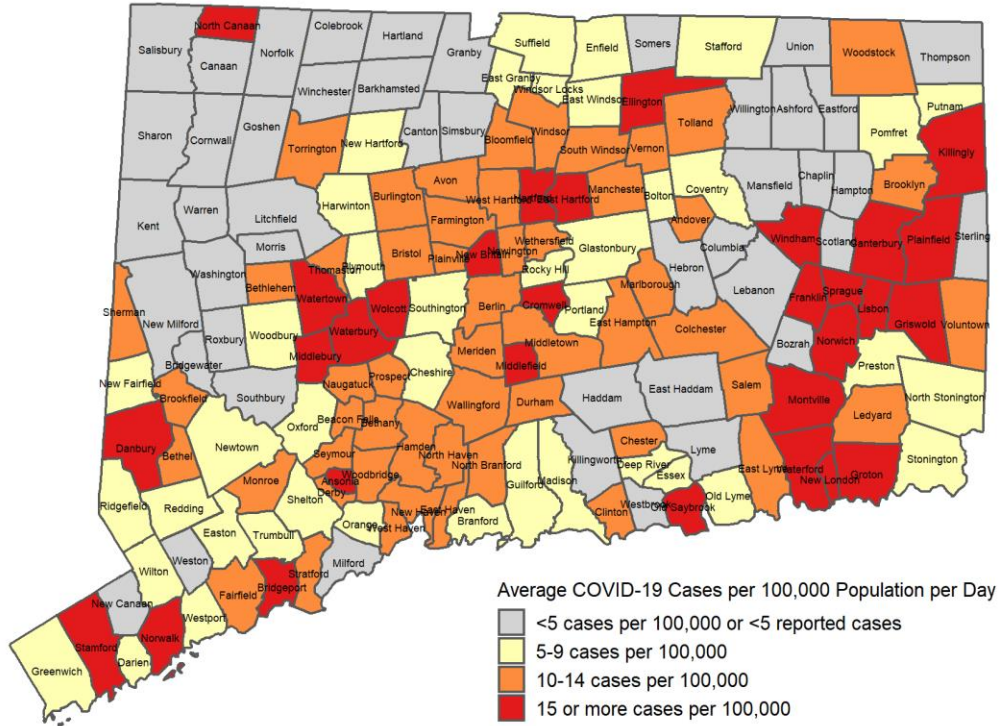


*Map does not include 21 cases pending address validation*

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 people residing in nursing homes, assisted living facilities, and correctional facilities are excluded.

Among towns with at least 5 new cases during October 11-24, thirty towns had an average rate of 15 or more cases per 100,000 population per day, shown in red in the map below.

**Average Daily Rate of COVID-19 Cases among People Living in Community Settings per 100,000 Population by Town with Specimen Collection or Onset Date During October 11-24**



*Map does not include 21 cases pending address validation*

**Population, Number and Average Daily Rate of COVID-19 Cases among People Living in Community Settings by Town with Specimen Collection or Onset Date during October 11-24, 2020**

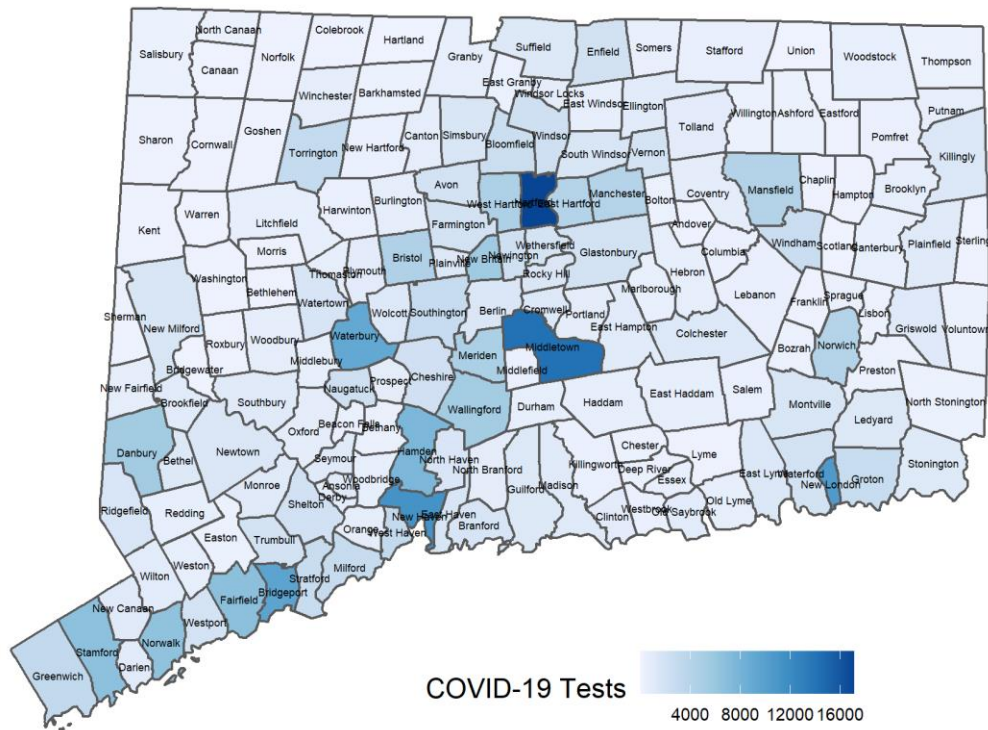
*Map does not include 21 cases pending address validation*

Town	Pop	Cases	Rate	Town	Pop	Cases	Rate	Town	Pop	Cases	Rate
Andover	3231	5	11.1	Griswold	11591	33	20.3	Prospect	9790	20	14.6
Ansonia	18721	51	19.5	Groton	38692	96	17.7	Putnam	9395	12	9.1
Ashford	4261	4	6.7	Guilford	22216	24	7.7	Redding	9125	12	9.4
Avon	18302	33	12.9	Haddam	8222	4	3.5	Ridgefield	25008	23	6.6
Barkhamsted	3624	3	5.9	Hamden	60940	87	10.2	Rocky Hill	20145	19	6.7
Beacon Falls	6182	10	11.6	Hampton	1853	4	15.4	Roxbury	2160	2	6.6
Berlin	20432	40	14.0	Hartford	122587	367	21.4	Salem	4123	7	12.1
Bethany	5479	8	10.4	Hartland	2120	0	0.0	Salisbury	3598	0	0
Bethel	19714	38	13.8	Harwinton	5430	6	7.9	Scotland	1685	0	0
Bethlehem	3422	7	14.6	Hebron	9482	4	3.0	Seymour	16509	33	14.3
Bloomfield	21301	34	11.4	Kent	2785	2	5.1	Sharon	2703	0	0
Bolton	4890	6	8.8	Killingly	17287	45	18.6	Shelton	41097	53	9.2
Bozrah	2537	2	5.6	Killingworth	6370	3	3.4	Sherman	3614	6	11.9
Branford	28005	32	8.2	Lebanon	7207	4	4.0	Simsbury	24979	17	4.6
Bridgeport	144900	380	18.7	Ledyard	14736	28	13.6	Somers	10834	4	2.6
Bridgewater	1641	0	0.0	Lisbon	4248	13	21.9	South Windsor	26054	49	13.4
Bristol	60032	125	14.9	Litchfield	8127	4	3.5	Southbury	19656	11	4
Brookfield	17002	26	10.9	Lyme	2338	3	9.2	Southington	43807	57	9.3
Brooklyn	8280	12	10.4	Madison	18106	14	5.5	Sprague	2889	11	27.2
Burlington	9665	16	11.8	Manchester	57699	88	10.9	Stafford	11884	10	6
Canaan	1055	1	6.8	Mansfield	25817	17	4.7	Stamford	129775	283	15.6
Canterbury	5100	13	18.2	Marlborough	6358	10	11.2	Sterling	3780	4	7.6
Canton	10270	7	4.9	Meriden	59540	100	12.0	Stonington	18449	24	9.3
Chaplin	2256	3	9.5	Middlebury	7731	17	15.7	Stratford	51967	73	10
Cheshire	29179	32	7.8	Middlefield	4380	13	21.2	Suffield	15743	17	7.7
Chester	4229	6	10.1	Middletown	46146	76	11.8	Thomaston	7560	14	13.2
Clinton	12950	23	12.7	Milford	54661	34	4.4	Thompson	9395	6	4.6
Colchester	15936	23	10.3	Monroe	19470	37	13.6	Tolland	14655	21	10.2
Colebrook	1405	2	10.2	Montville	18716	52	19.8	Torrington	34228	62	12.9
Columbia	5385	4	5.3	Morris	2262	2	6.3	Trumbull	35802	42	8.4
Cornwall	1368	3	15.7	Naugatuck	31288	52	11.9	Union	840	0	0
Coventry	12414	15	8.6	New Britain	72453	183	18.0	Vernon	29303	42	10.2
Cromwell	13905	35	18.0	New Canaan	20213	14	4.9	Voluntown	2535	5	14.1
Danbury	84730	271	22.8	New Fairfield	13877	13	6.7	Wallingford	44535	68	10.9
Darien	21753	26	8.5	New Hartford	6685	7	7.5	Warren	1399	1	5.1
Deep River	4463	5	8.0	New Haven	130418	244	13.4	Washington	3434	1	2.1
Derby	12515	22	12.6	New London	26939	180	47.7	Waterbury	108093	302	20
Durham	7195	13	12.9	New Milford	26974	18	4.8	Waterford	18887	72	27.2
East Granby	5147	7	9.7	Newington	30112	45	10.7	Watertown	21641	47	15.5
East Haddam	8988	4	3.2	Newtown	27774	22	5.7	West Hartford	62939	111	12.6
East Hampton	12854	21	11.7	Norfolk	1640	1	4.4	West Haven	54879	81	10.5
East Hartford	49998	128	18.3	North Branford	14158	23	11.6	Westbrook	6914	4	4.1
East Haven	28699	45	11.2	North Canaan	3254	10	22.0	Weston	10247	4	2.8
East Lyme	18645	28	10.7	North Haven	23691	48	14.5	Westport	28115	31	7.9
East Windsor	11375	14	8.8	North Stonington	5243	5	6.8	Wethersfield	26082	38	10.4
Eastford	1790	0	0.0	Norwalk	89047	453	36.3	Willington	5887	3	3.6
Easton	7517	10	9.5	Norwich	39136	168	30.7	Wilton	18397	22	8.5
Ellington	16299	41	18.0	Old Lyme	7366	8	7.8	Winchester	10655	2	1.3
Enfield	44466	38	6.1	Old Saybrook	10087	23	16.3	Windham	24706	66	19.1
Essex	6674	9	9.6	Orange	13949	19	9.7	Windsor	28760	55	13.7
Fairfield	61952	127	14.6	Oxford	13226	12	6.5	Windsor Locks	12876	14	7.8
Farmington	25506	39	10.9	Plainfield	15173	38	17.9	Wolcott	16649	51	21.9
Franklin	1933	6	22.2	Plainville	17623	34	13.8	Woodbridge	8805	13	10.5
Glastonbury	34491	25	5.2	Plymouth	11645	13	8.0	Woodbury	9537	11	8.2
Goshen	2879	3	7.4	Pomfret	4204	5	8.5	Woodstock	7862	11	10
Granby	11375	7	4.4	Portland	9305	10	7.7				
Greenwich	62727	64	7.3	Preston	4638	6	9.2				

## COVID-19 PCR Tests during October 11-24

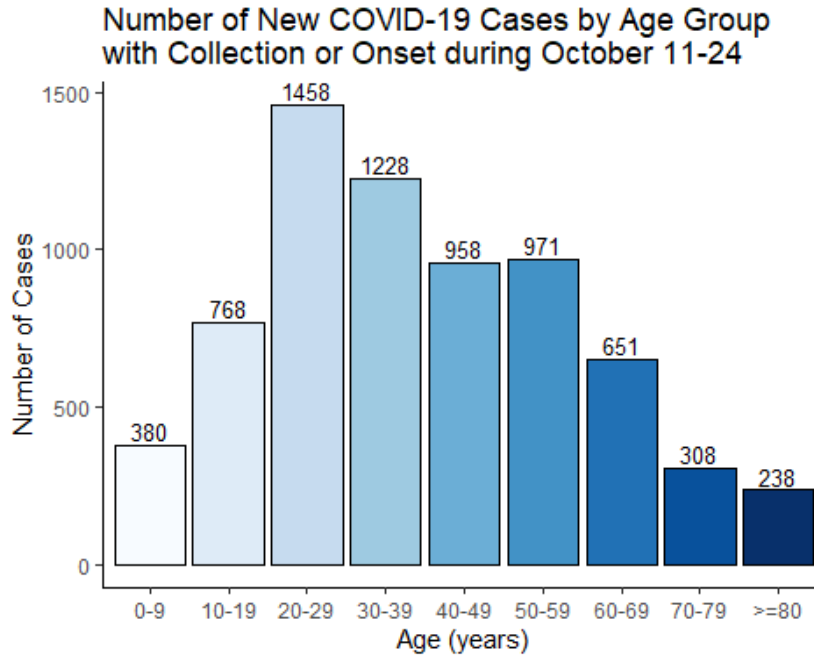
Among 306,611 PCR tests for COVID-19 with specimen collection date during October 11-24, 285,101 (93%) tests were conducted among people who did not reside in congregate settings (including nursing homes, assisted living, and correctional facilities). Of these 285,101 tests, 7468 (3%) were positive. The map below shows the number of PCR COVID-19 tests by town with specimen collection date during October 11-24 that were conducted among community residents.

Number of PCR Tests for COVID-19 among People Living in Community Settings by Town with Specimen Collection Date During October 11-24



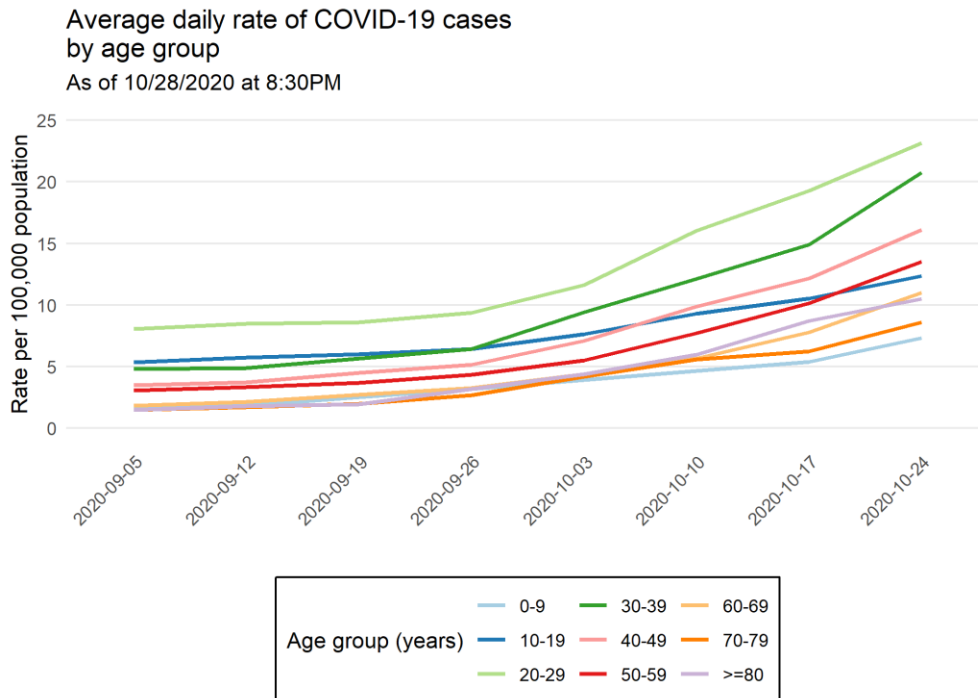
Map does not include tests pending address validation

**Age Distribution of COVID-19 Cases with Specimen Collection or Onset During October 11-24, 2020**



**Average Daily Incidence by Age Group**

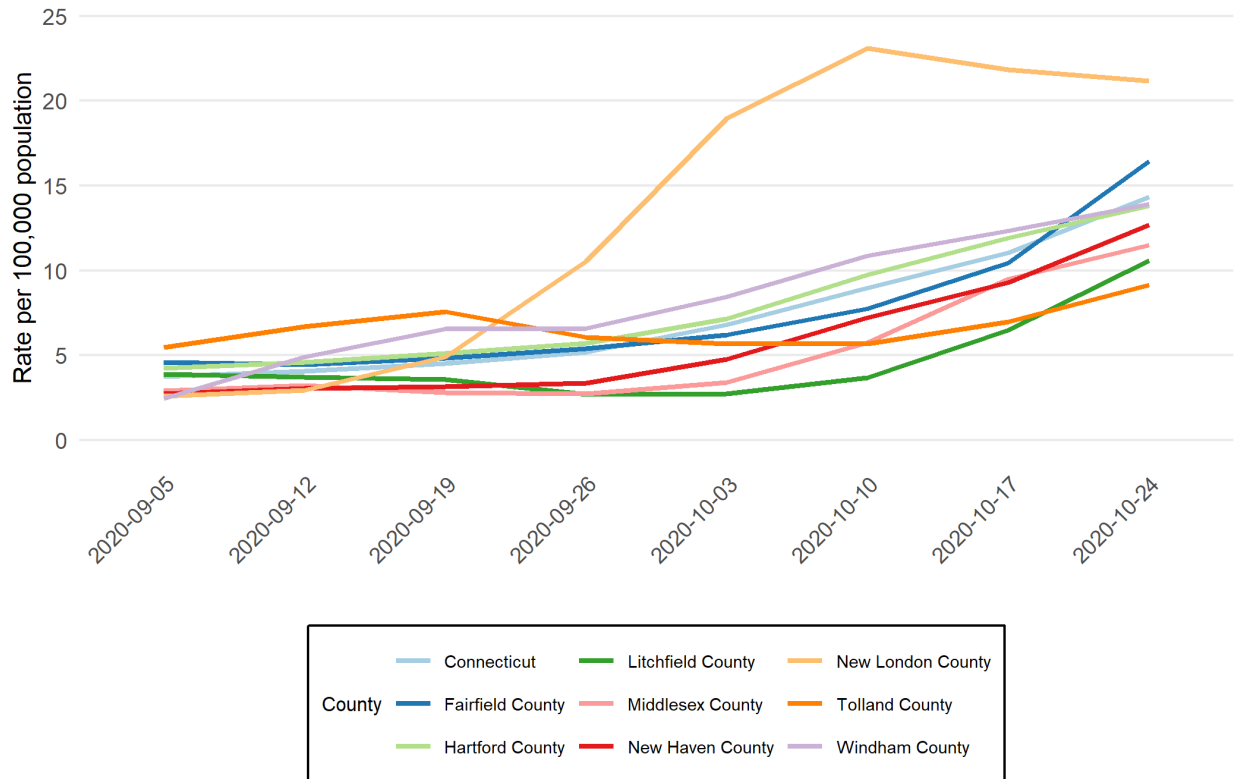
The chart below shows the average number of new COVID-19 cases per day per 100,000 population by age group. The rates in this chart are calculated by averaging the number of new cases diagnosed each day during the previous two weeks, dividing by the annual population in each age group, and then multiplying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



### Average Daily 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 each day during the previous two weeks, dividing by the annual estimated population, and then multiplying by 100,000.

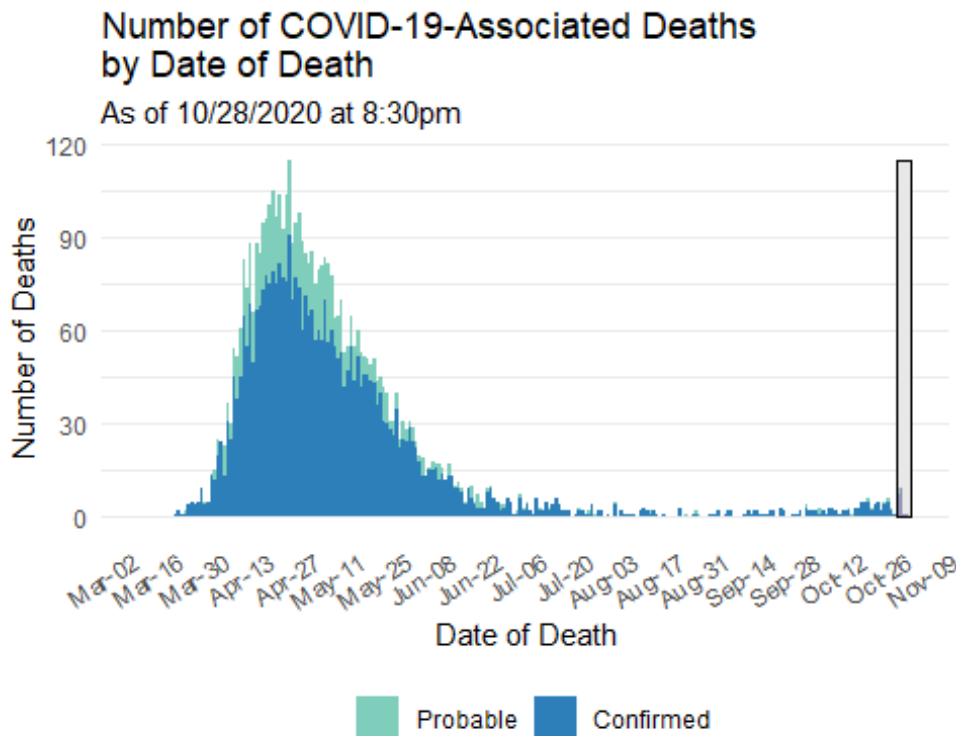
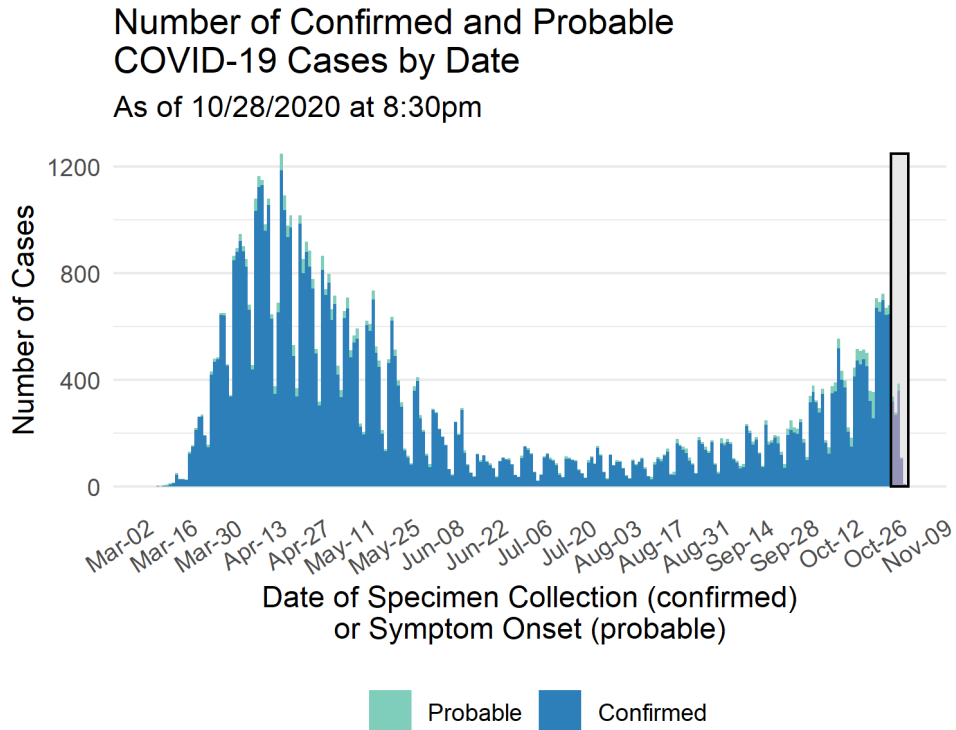
Average daily rates of COVID-19 cases by county  
As of 10/28/2020 at 8:30PM





## Cumulative Number of COVID-19 Cases and COVID-19-Associated deaths by Dates

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.

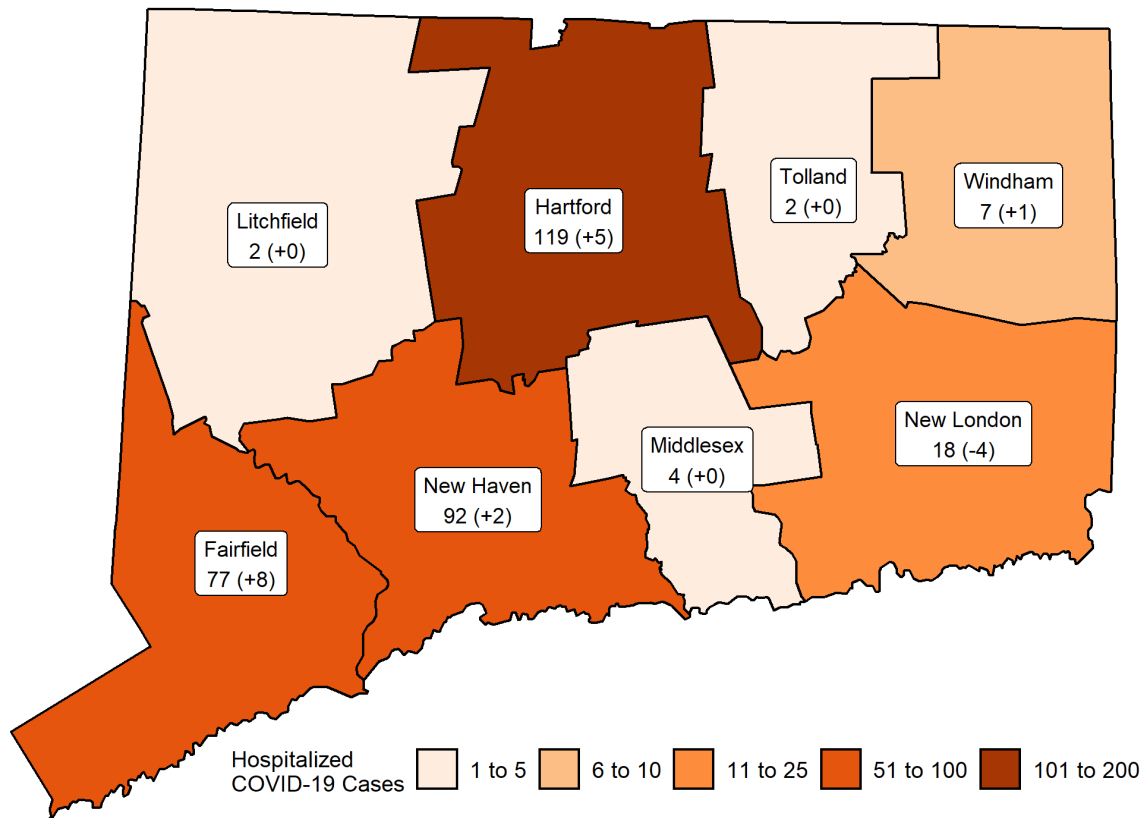


## Hospitalization Surveillance

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.*

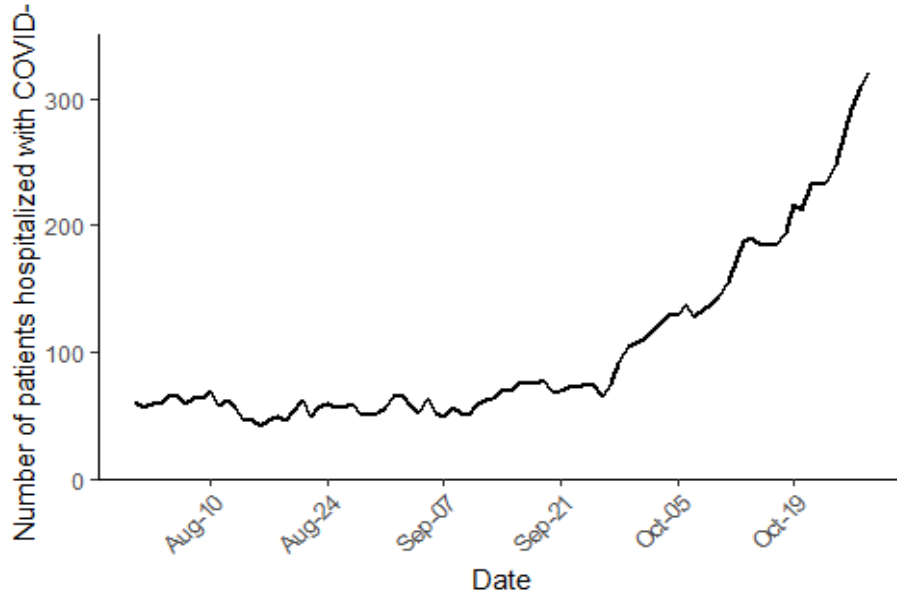


More information about hospitalized cases of COVID-19 in New Haven and Middlesex Counties is available from [COVID-NET](#).

### COVID-19 Hospital Census in Connecticut

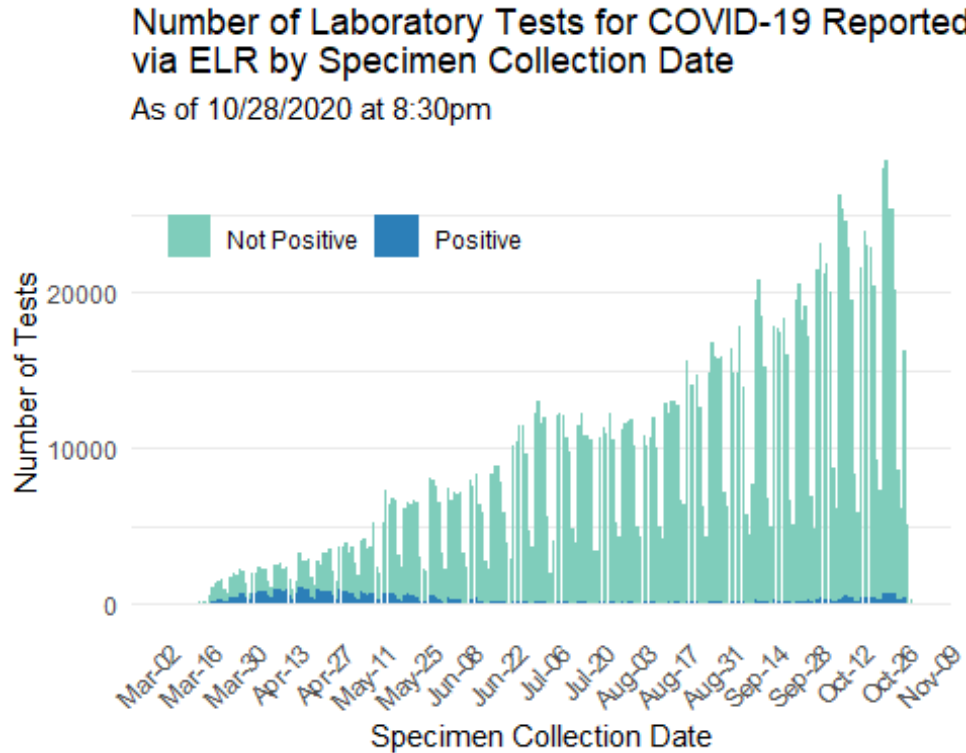
The chart below shows the COVID-19 hospital census, which is the number of patients currently hospitalized with laboratory-confirmed COVID-19 on each day. Data were collected by the Connecticut Hospital Association and are shown since August 1, 2020.

**Number of Patients Hospitalized with Laboratory-Confirmed COVID-19 by Day**



## Laboratory Surveillance

To date, DPH has received reports on a total of 2254342 COVID-19 laboratory tests; of these 2007627 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.

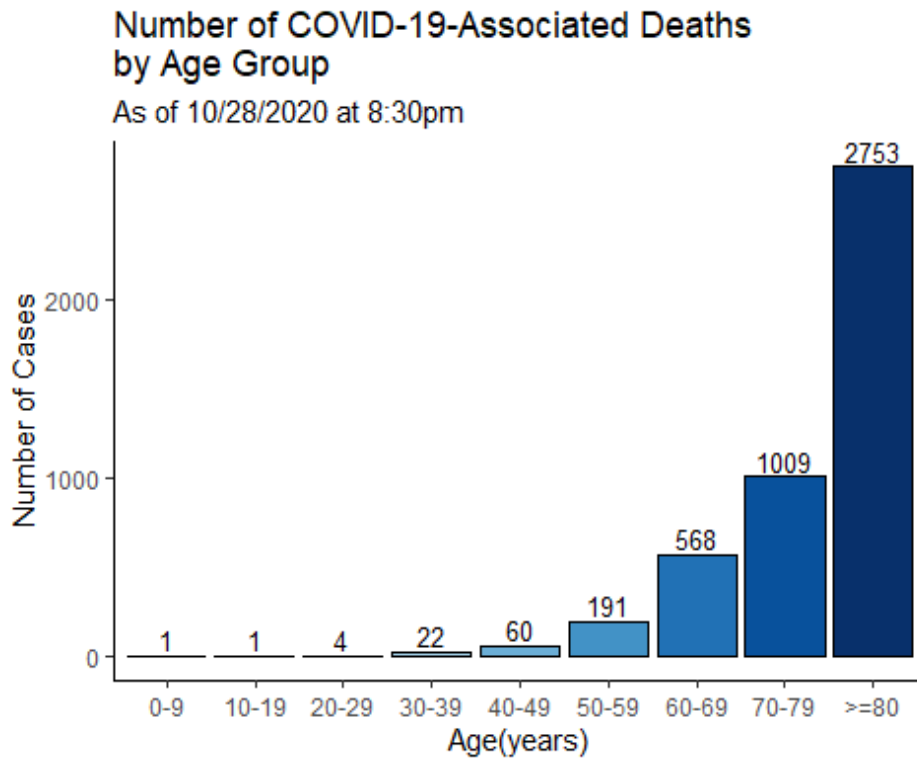
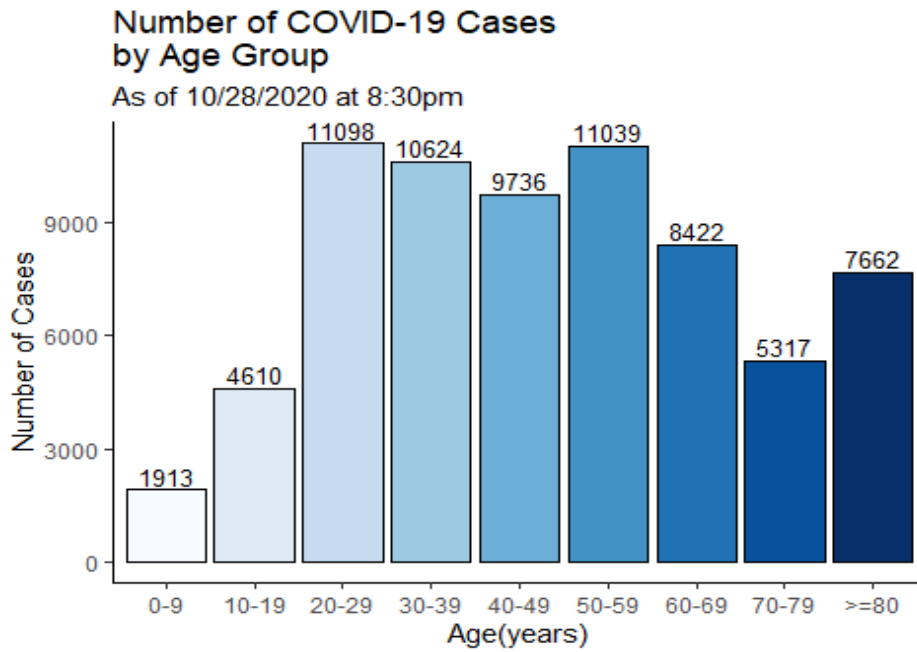


*Testing of specimens collected since October 26 is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.*

*ELR = Electronic Laboratory Reporting*

## Characteristics of COVID-19 Cases and Associated Deaths

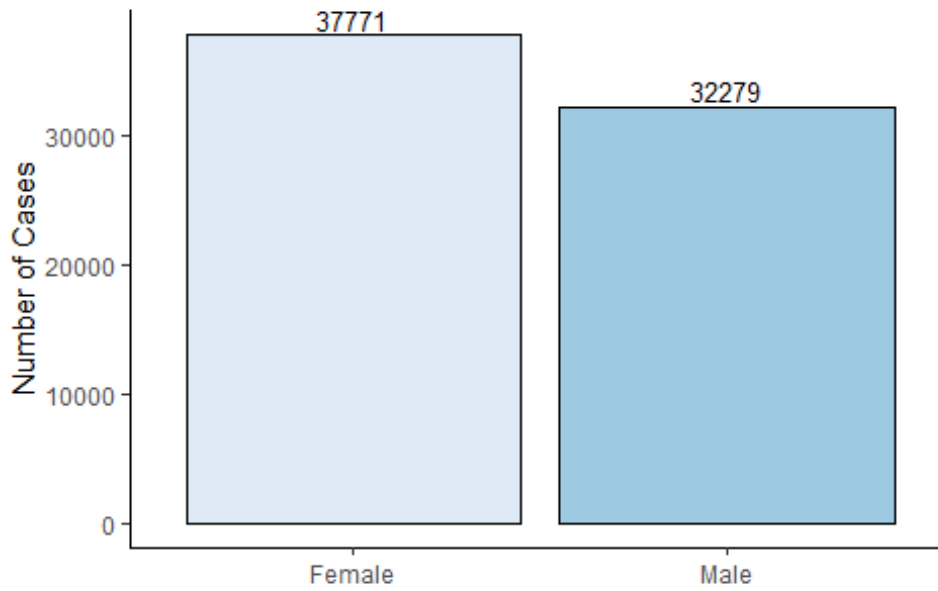
Counts may not add up to total case count because demographic data may be missing.



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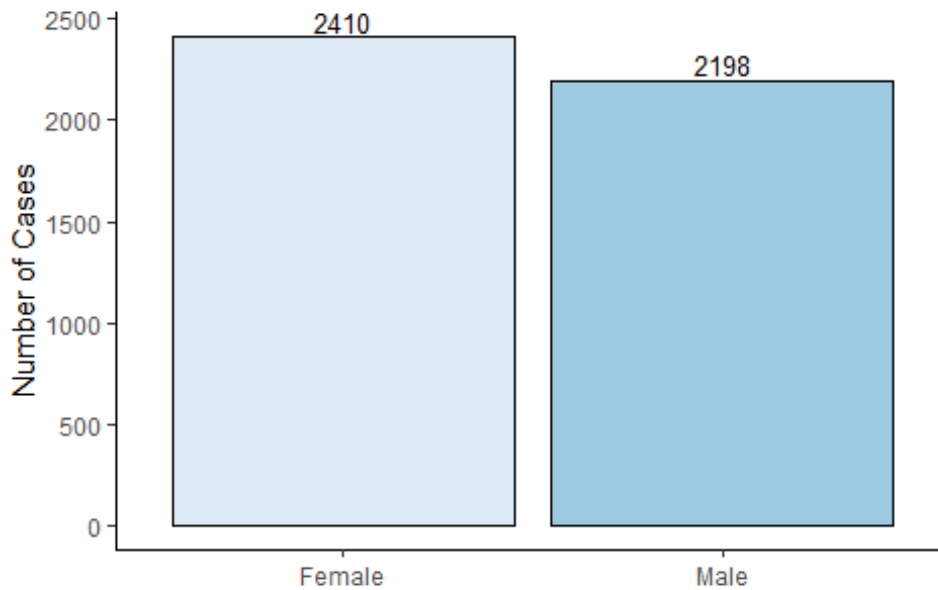
### Number of COVID-19 Cases by Gender

As of 10/28/2020 at 8:30pm



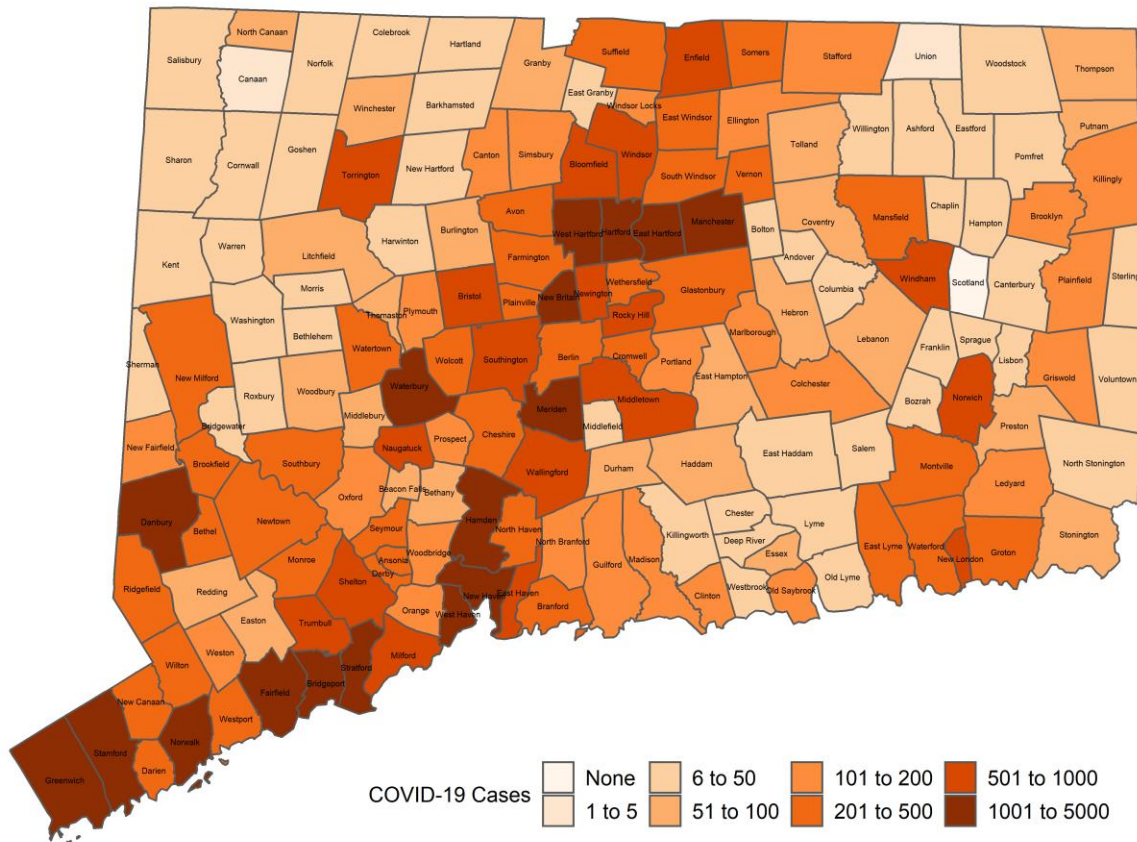
### Number of COVID-19-Associated Deaths by Gender

As of 10/28/2020 at 8:30pm



## Cumulative Number of COVID-19 Cases by Town

Map does not include 155 cases pending address validation



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

Table does not include 155 cases pending address validation

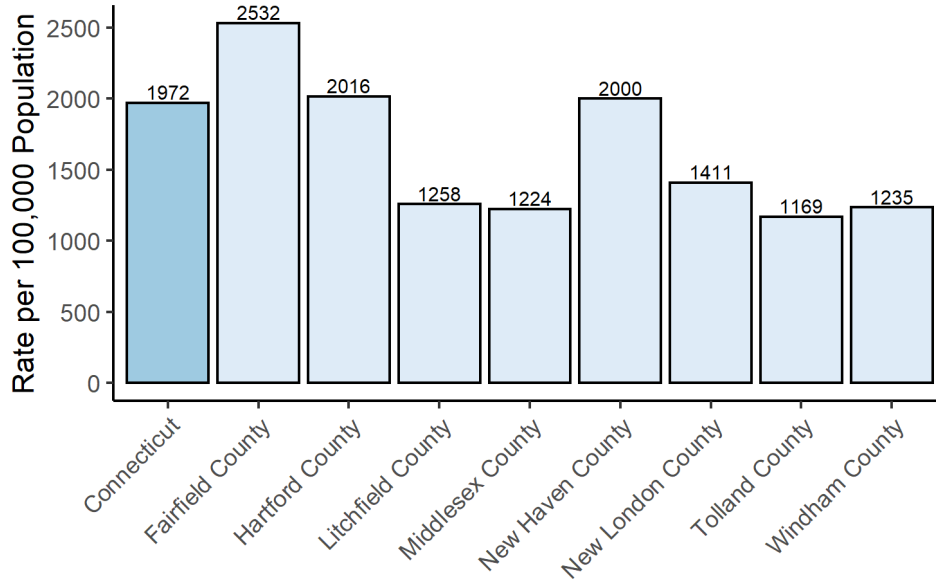
Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	16	0	Griswold	125	2	Prospect	121	3
Ansonia	383	13	Groton	403	19	Putnam	61	3
Ashford	30	1	Guilford	162	18	Redding	89	9
Avon	274	11	Haddam	64	4	Ridgefield	301	24
Barkhamsted	34	2	Hamden	1244	55	Rocky Hill	497	22
Beacon Falls	74	5	Hampton	12	0	Roxbury	18	3
Berlin	255	19	Hartford	3962	160	Salem	37	0
Bethany	66	3	Hartland	7	0	Salisbury	28	1
Bethel	348	44	Harwinton	43	4	Scotland	0	0
Bethlehem	20	1	Hebron	55	2	Seymour	288	19
Bloomfield	655	34	Kent	20	4	Sharon	17	0
Bolton	39	2	Killingly	121	6	Shelton	782	49
Bozrah	23	0	Killingworth	29	0	Sherman	20	8
Branford	418	30	Lebanon	53	2	Simsbury	178	18
Bridgeport	4727	207	Ledyard	113	2	Somers	324	23
Bridgewater	14	4	Lisbon	31	1	South Windsor	250	18
Bristol	910	34	Litchfield	72	2	Southbury	236	11
Brookfield	245	23	Lyme	11	1	Southington	482	29
Brooklyn	196	3	Madison	189	10	Sprague	26	1
Burlington	70	2	Manchester	995	71	Stafford	131	11
Canaan	1	0	Mansfield	327	44	Stamford	4085	141
Canterbury	48	1	Marlborough	112	5	Sterling	15	1
Canton	113	10	Meriden	1245	49	Stonington	82	6
Chaplin	15	0	Middlebury	81	6	Stratford	1045	68
Cheshire	342	13	Middlefield	41	1	Suffield	215	23
Chester	47	1	Middletown	816	33	Thomaston	92	3
Clinton	110	5	Milford	798	39	Thompson	64	1
Colchester	168	8	Monroe	197	8	Tolland	83	12
Colebrook	6	1	Montville	412	10	Torrington	697	30
Columbia	34	0	Morris	17	0	Trumbull	633	61
Cornwall	9	0	Naugatuck	545	30	Union	4	1
Coventry	90	5	New Britain	1877	89	Vernon	364	21
Cromwell	196	17	New Canaan	235	10	Voluntown	27	0
Danbury	3270	273	New Fairfield	163	12	Wallingford	692	24
Darien	290	20	New Hartford	49	0	Warren	5	1
Deep River	27	2	New Haven	3339	124	Washington	31	2
Derby	225	3	New London	640	14	Waterbury	2923	166
Durham	72	9	New Milford	368	48	Waterford	300	9
East Granby	28	0	Newington	544	26	Watertown	257	19
East Haddam	43	0	Newtown	315	32	West Hartford	1047	72
East Hampton	90	6	Norfolk	17	1	West Haven	1315	62
East Hartford	1350	68	North Branford	128	16	Westbrook	49	1
East Haven	505	54	North Canaan	50	1	Weston	96	10
East Lyme	243	17	North Haven	376	22	Westport	417	21
East Windsor	249	15	North Stonington	29	1	Wethersfield	365	10
Eastford	15	0	Norwalk	2819	141	Willington	30	2
Easton	56	3	Norwich	814	10	Wilton	268	34
Ellington	134	10	Old Lyme	39	0	Winchester	77	3
Enfield	812	18	Old Saybrook	152	4	Windham	625	3
Essex	69	3	Orange	178	10	Windsor	702	48
Fairfield	1068	98	Oxford	107	5	Windsor Locks	172	6
Farmington	326	13	Plainfield	143	1	Wolcott	202	14
Franklin	27	0	Plainville	243	10	Woodbridge	156	14
Glastonbury	390	32	Plymouth	98	8	Woodbury	78	5
Goshen	17	1	Pomfret	30	0	Woodstock	50	0
Granby	49	3	Portland	93	8			
Greenwich	1069	61	Preston	57	2			



**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](#)

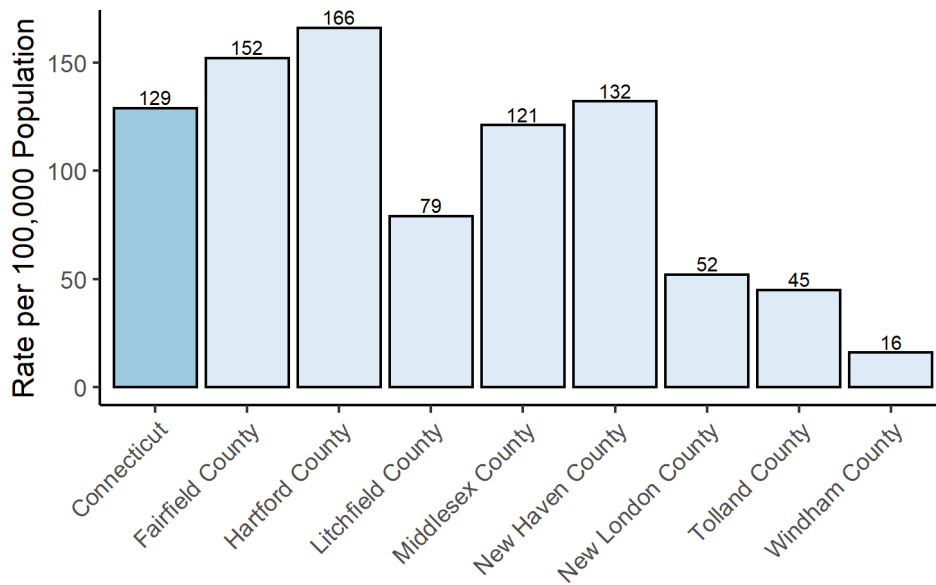
### Rate of COVID-19 Cases Statewide and by County

As of 10/28/2020 at 8:30pm



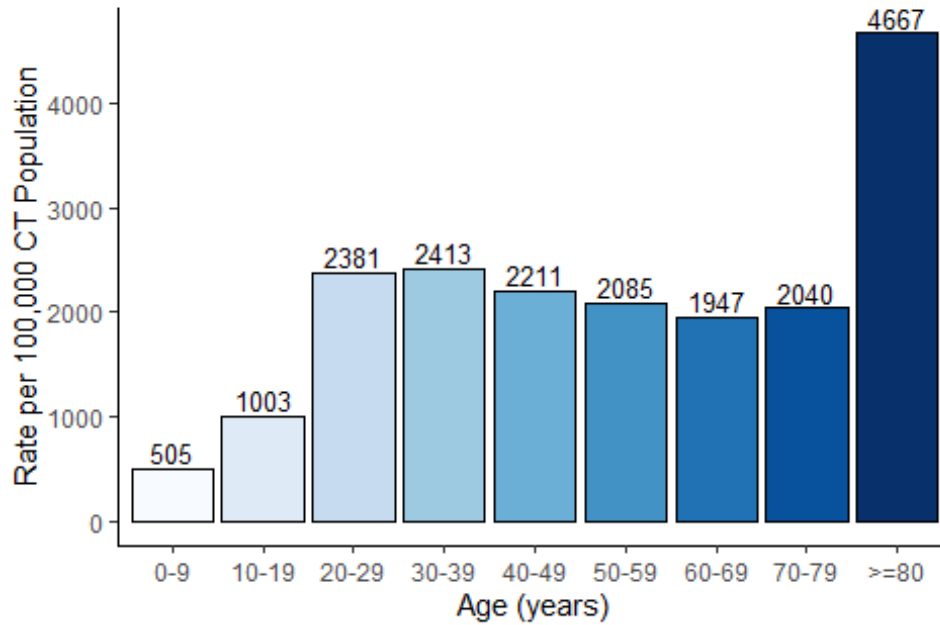
### Rate of COVID-19-Associated Deaths Statewide and by County

As of 10/28/2020 at 8:30pm



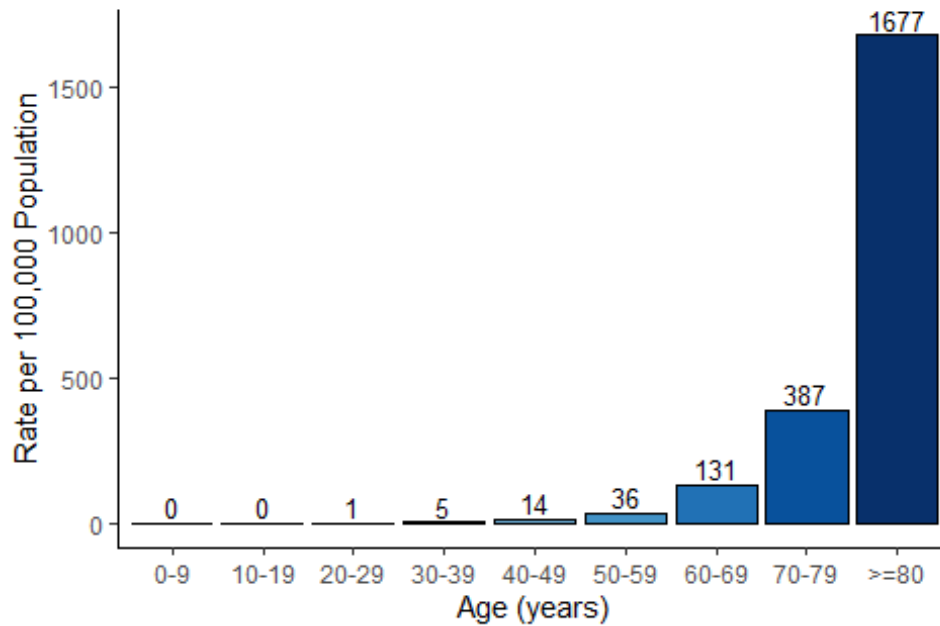
### Rate of COVID-19 Cases by Age Group

As of 10/28/2020 at 8:30pm



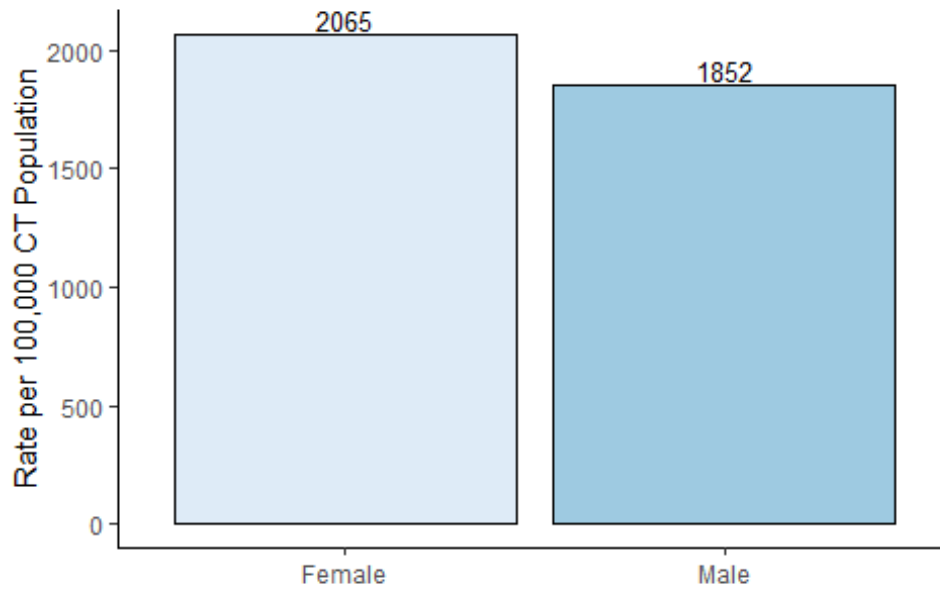
### Rate of COVID-19-Associated Deaths by Age Group

As of 10/28/2020 at 8:30pm



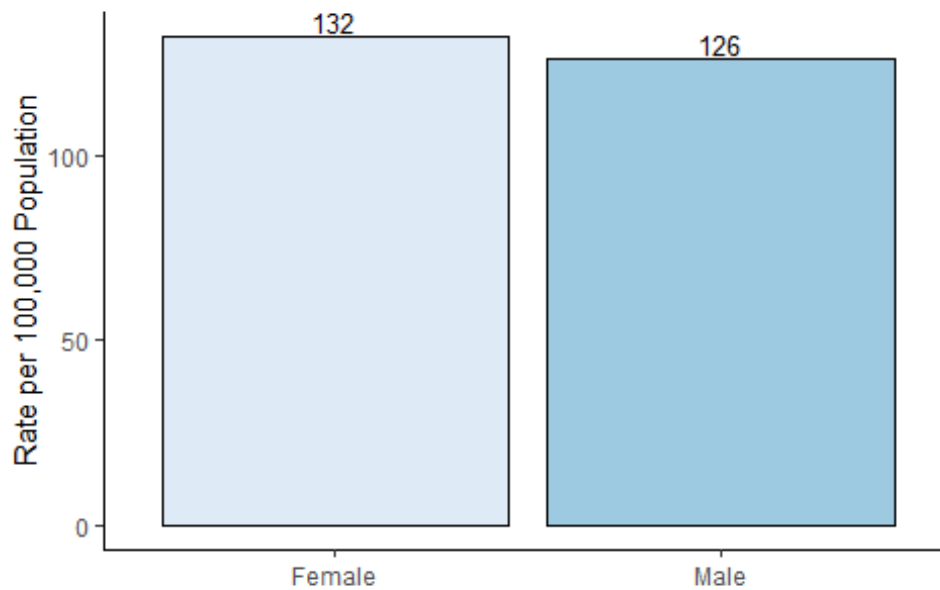
### Rate of COVID-19 Cases by Gender

As of 10/28/2020 at 8:30pm

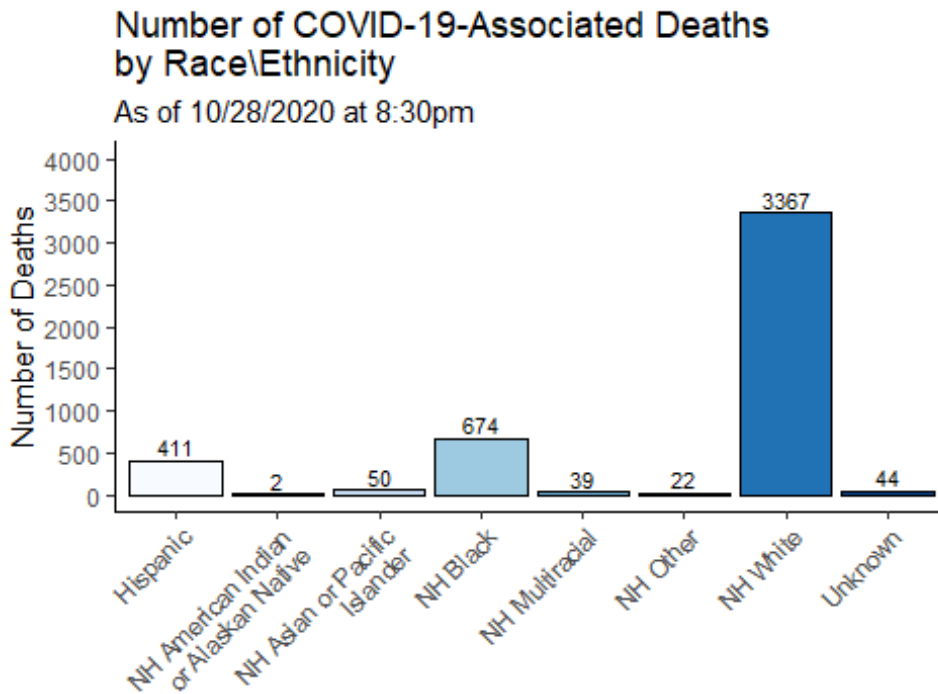
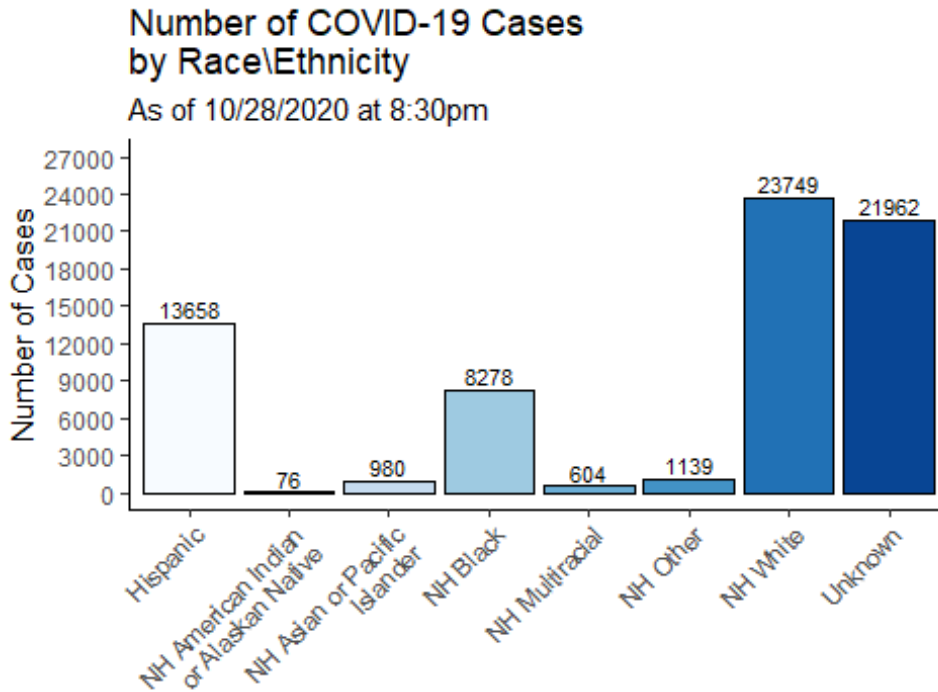


### Rate of COVID-19-Associated Deaths by Gender

As of 10/28/2020 at 8:30pm

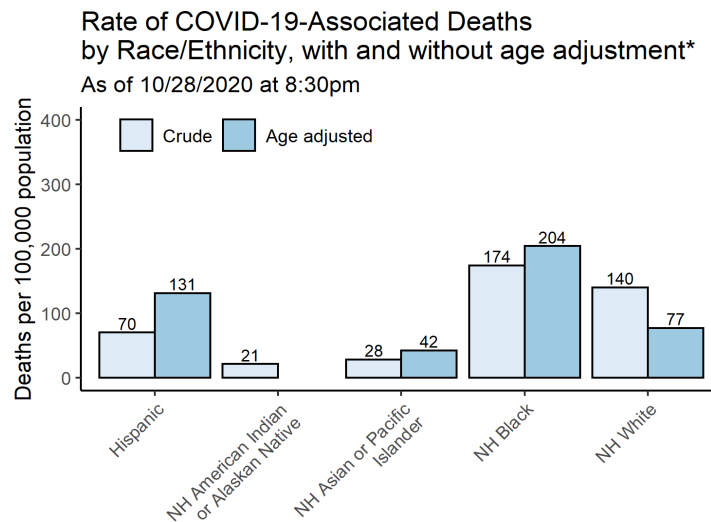
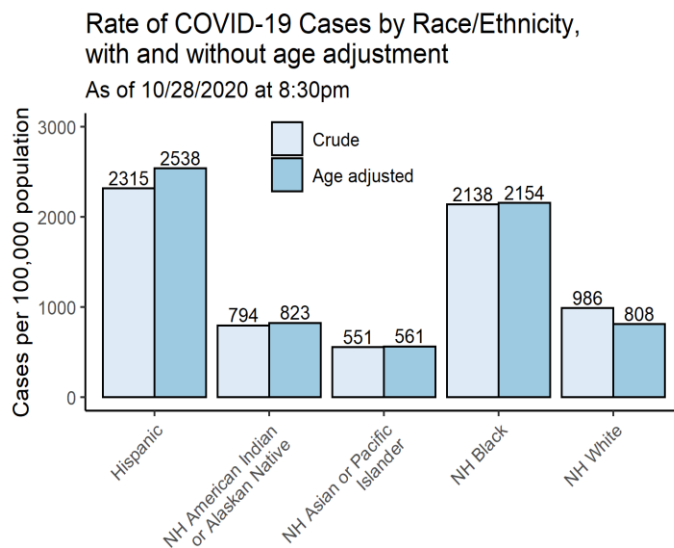


**APPENDIX C.** The following graphs show the number of cases and deaths by race and ethnicity. Categories are mutually exclusive. The category “multiracial” includes people who answered ‘yes’ to more than one race category. NH=Non-Hispanic



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*