

COVID-19 Update May 22, 2020

As of **May 21, 2020, at 8:30 PM**, a total of **39640** cases of COVID-19 have been reported among Connecticut residents. **Seven hundred forty** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **3637** COVID-19-associated deaths.

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 the OCME or DPH are included in the daily COVID-19 update.

*For public health surveillance, COVID-19-associated deaths include persons who tested positive for the virus that causes COVID-19 disease around the time of death (confirmed) and persons whose death certificate lists COVID-19 disease as a cause of death or a significant condition contributing to death (probable).

Overall Summary	Total	Change Since Yesterday
COVID-19 Cases	39640	+432
COVID-19-Associated Deaths	3637	+55
Patients Currently Hospitalized with COVID-19	740	-76
COVID-19 Tests Reported	202328	+5881

COVID-19 Cases and Associated Deaths by County of Residence

As of 05/21/20 8:30pm. Includes patients tested at the State Public Health Laboratory, hospital, and commercial laboratories.

County	COVID-19 Cases	COVID-19-Associated Deaths
Fairfield County	14889	1195
Hartford County	9463	1155
Litchfield County	1298	121
Middlesex County	992	135
New Haven County	10756	888
New London County	910	72
Tolland County	796	55
Windham County	348	14
Pending address validation	188	2
Total	39640	3637

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

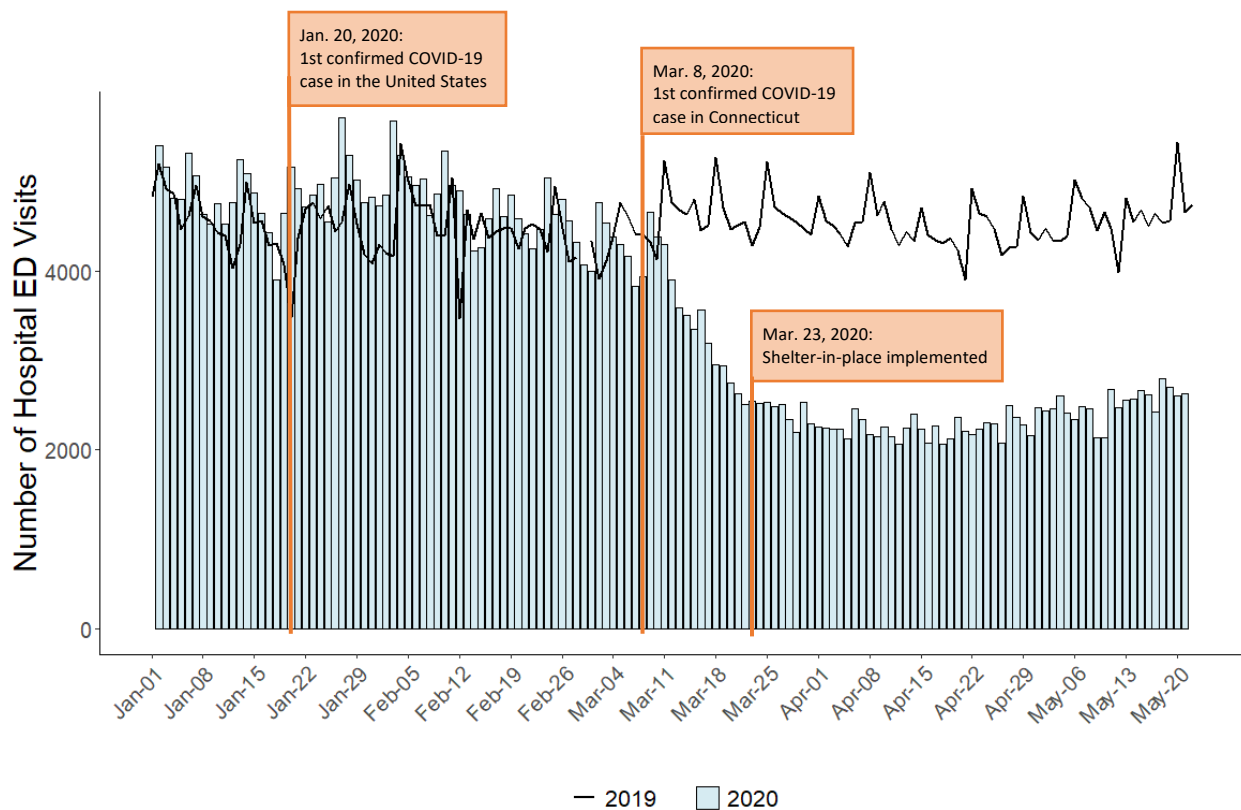
Syndromic Surveillance

The Department of Public Health EpiCenter hospital emergency department (ED) syndromic surveillance system receives near real-time information from all 38 licensed, hospital EDs in Connecticut. The plot below shows the number of hospital emergency department (ED) visits per day in 2020 (bars) and 2019 (dashed line) during January 1–May 21.

The number of ED visits was similar in 2019 and 2020 until early March 2020. The first confirmed case of COVID-19 in Connecticut was announced on March 8, 2020. When shelter-in-place was implemented on March 23, 2020, the number of ED visits was approximately 59% of the prior year. In April and May 2020, the volume of ED visits continues to be approximately 50-60% compared to 2019.

The decrease in ED visits could indicate that people needing urgent medical attention are avoiding seeking care at an ED because of fear of COVID-19, a pattern previously identified by a hospital in California.¹ Patients experiencing a medical emergency, including life-threatening conditions such as heart attack or stroke, should be encouraged to seek emergency care.

Hospital Emergency Department Volume by Day
As of 05/21/2020



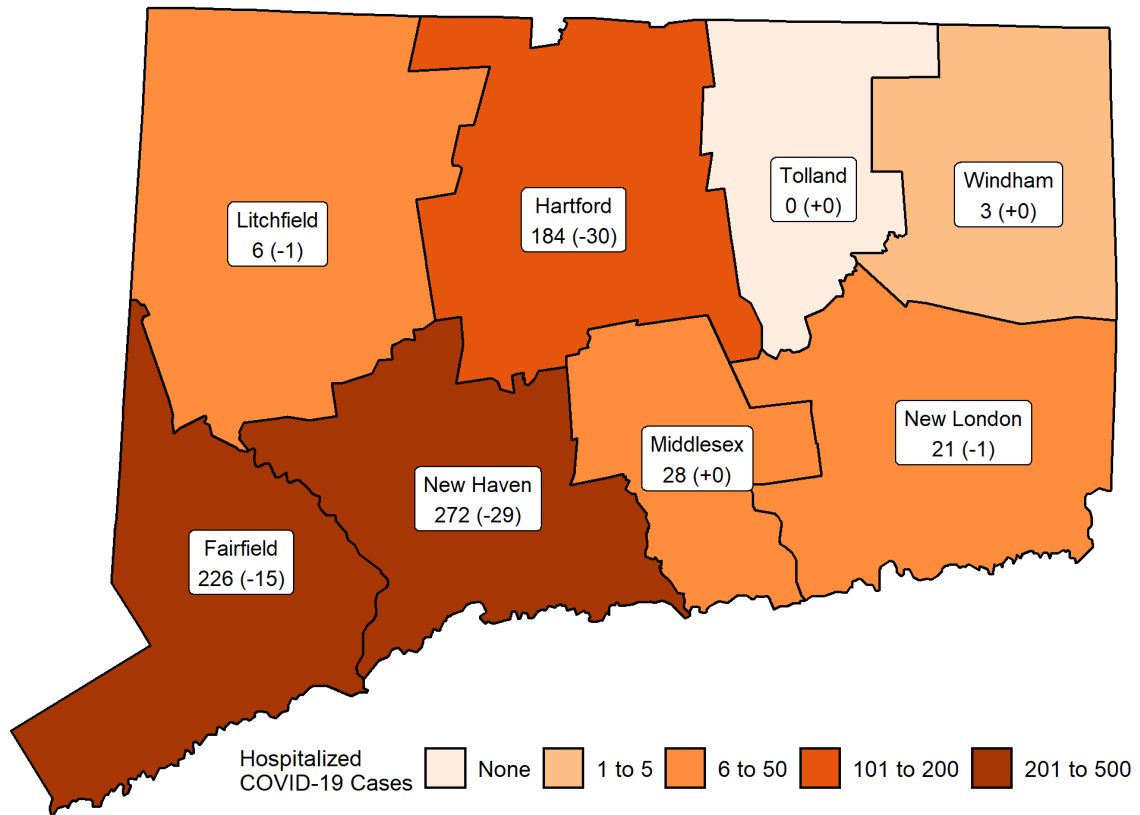
1. Wong, L.E., Hawkins, J.E., Langness, S., et al. Where are all the patients? Addressing COVID-19 fear to encourage sick patients to seek emergency medical care. *NEJM Catalyst*. May 14, 2020. DOI: 10.1056/CAT.20.0193

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

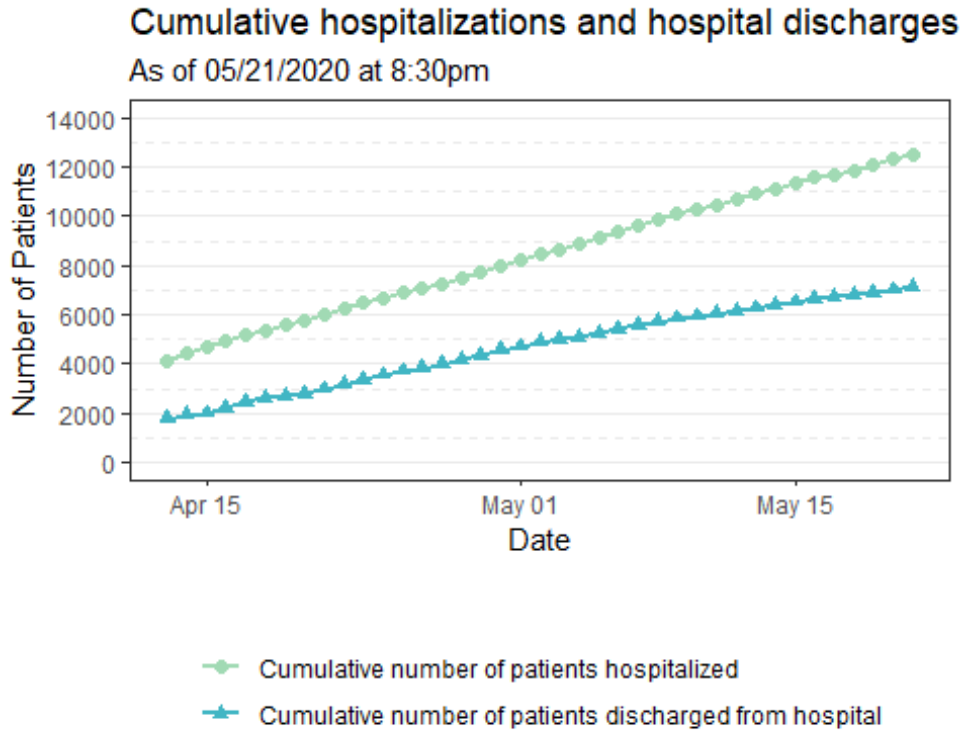
Distribution by location of hospital not patient residence. Data from the Connecticut Hospital Association.



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

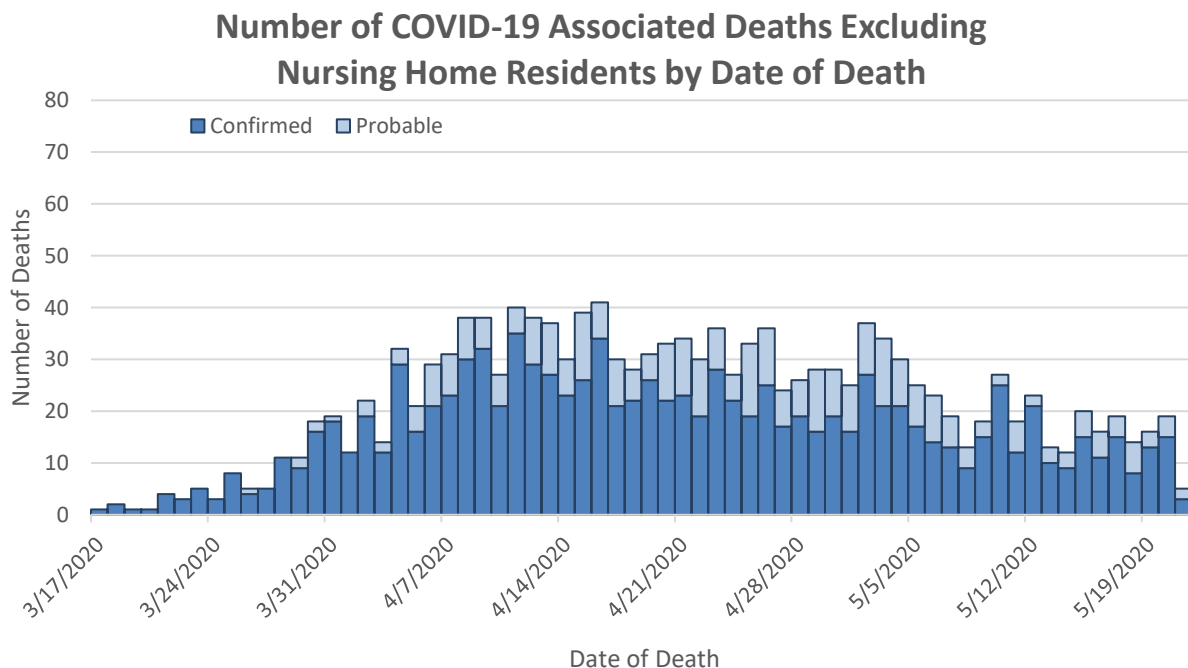
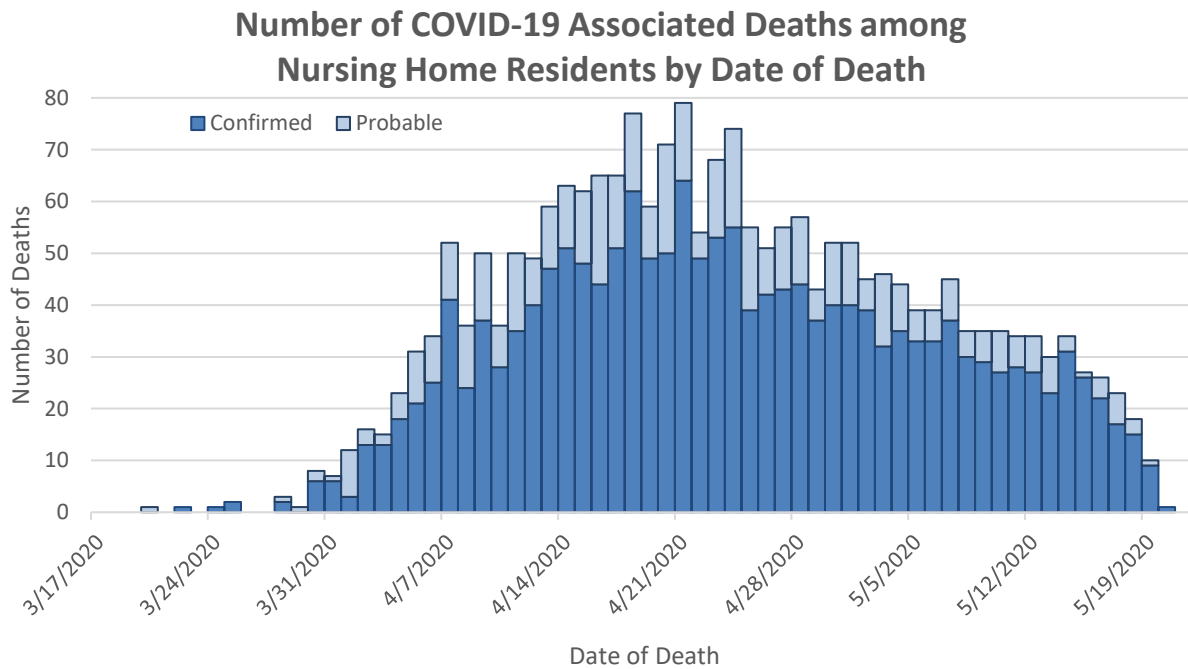
Cumulative hospitalizations and cumulative hospital discharges for COVID-19

The chart below shows information on cumulative hospitalizations and hospital discharges for patients with laboratory-confirmed or suspected COVID-19. Data were collected by the Connecticut Hospital Association. To date, **12538** patients have been hospitalized with laboratory-confirmed or suspected COVID-19 in Connecticut and **7127** patients hospitalized with laboratory-confirmed or suspected COVID-19 have been discharged.



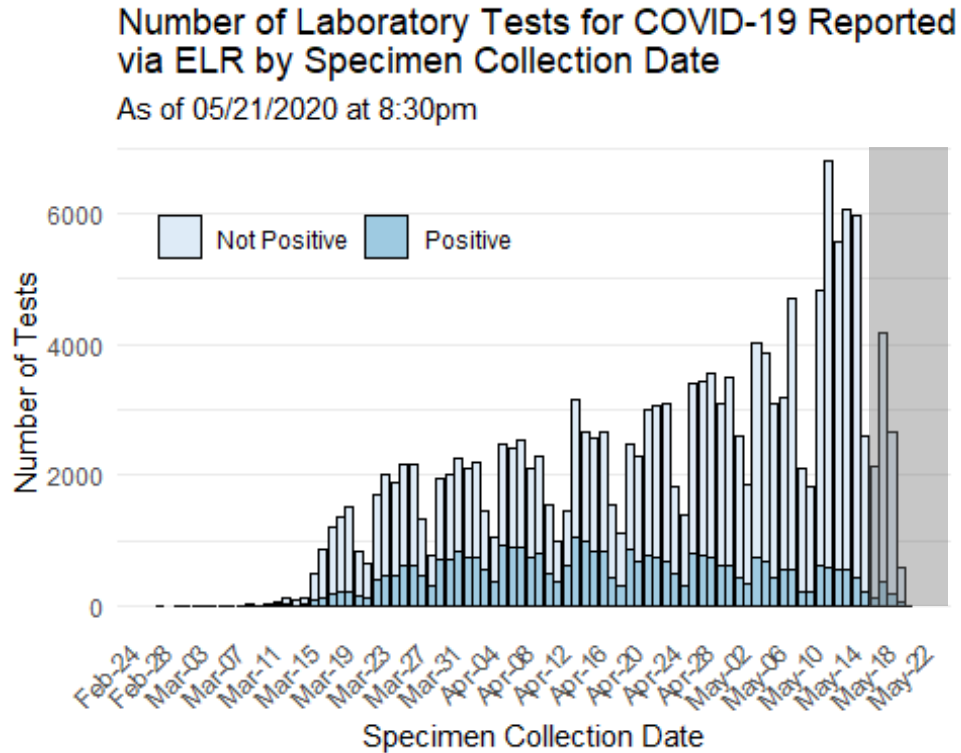
Nursing Home Surveillance

Among **215** nursing homes in CT, **165 (77%)** have had at least one COVID-19 case and **153 (71%)** have had at least one COVID-19-associated death. The graphs below show the number of COVID-19-associated deaths by date among nursing home residents (first graph) and among people who are not residents of nursing homes (second graph). *Data are incomplete for most recent dates shaded in grey. Data from previous dates are routinely updated*



Laboratory Surveillance

To date, DPH has received reports on a total of **202,328** COVID-19 laboratory tests; of these **166,439** 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.

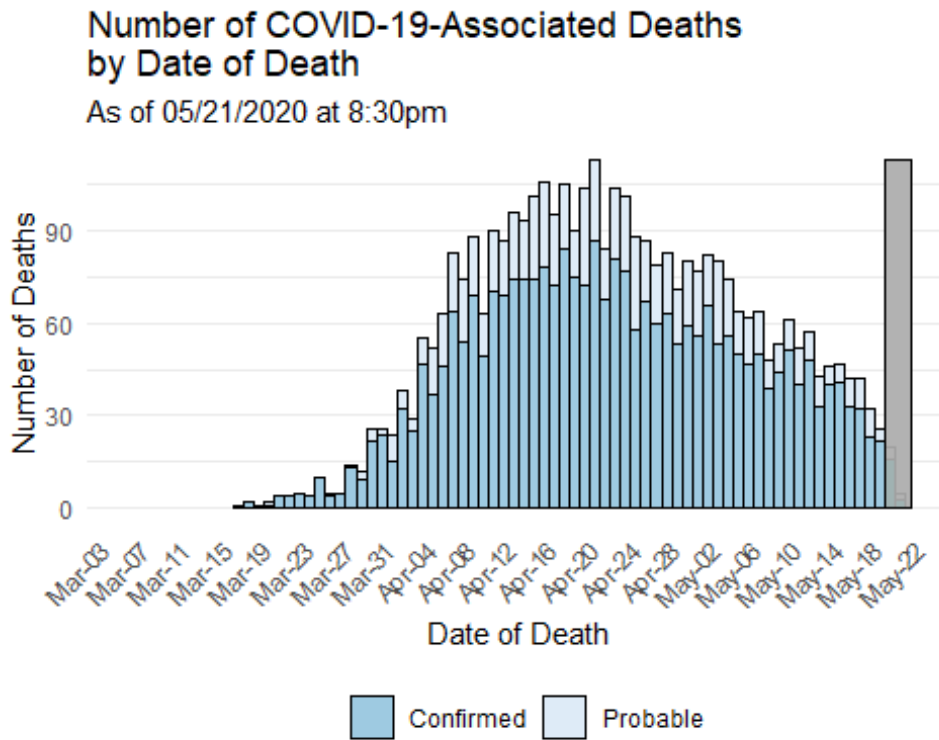
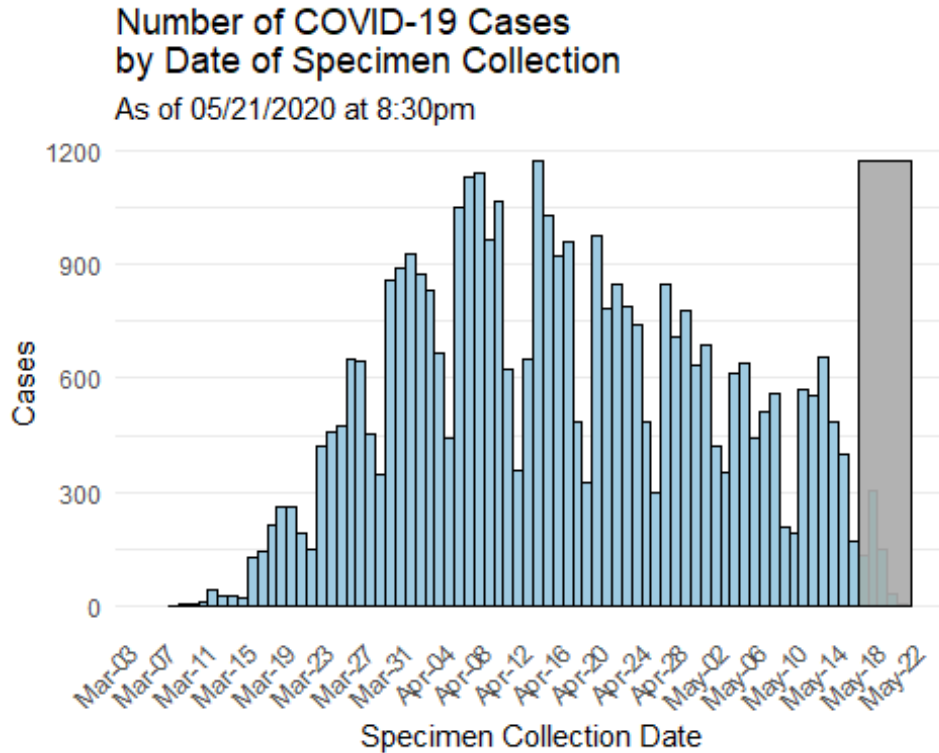


Testing of specimens collected since May 18 is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.

ELR = Electronic Laboratory Reporting

Characteristics of COVID-19 Cases and Associated Deaths

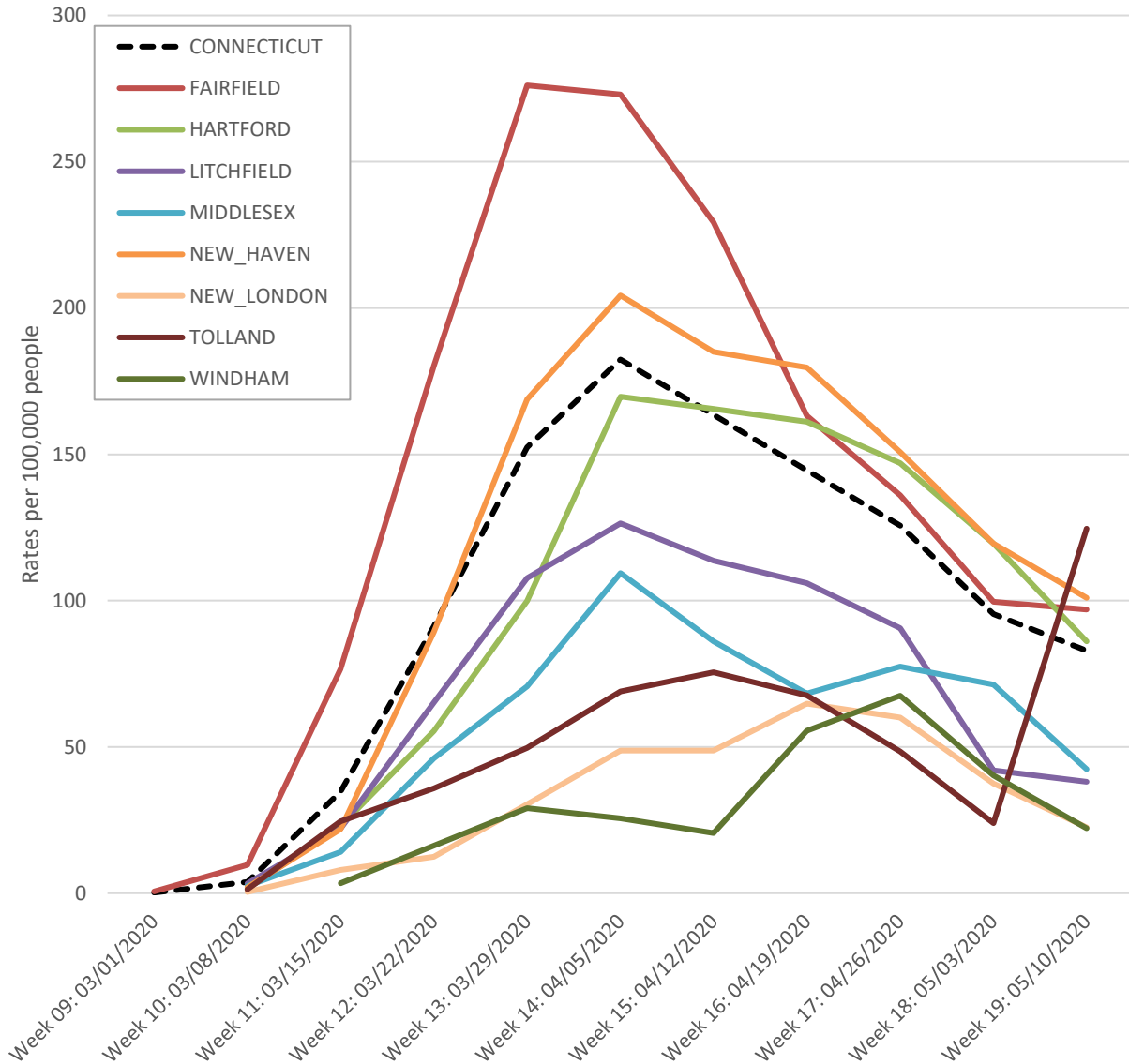
Test results may be reported several days after the result. Data are incomplete for most recent dates shaded in grey. Data from previous dates are routinely updated.



Weekly Incidence by County

The chart below shows the number of new COVID-19 cases per week per 100,000 population in the state of Connecticut and for each Connecticut county. The rates in this chart are calculated by dividing the number of new cases diagnosed each week by the annual estimated population and then multiplying by 100,000. The rate calculation used here is consistent with the [CDC COVID-19 Data Tracker](#) method for calculation of cumulative COVID-19 incidence rates.

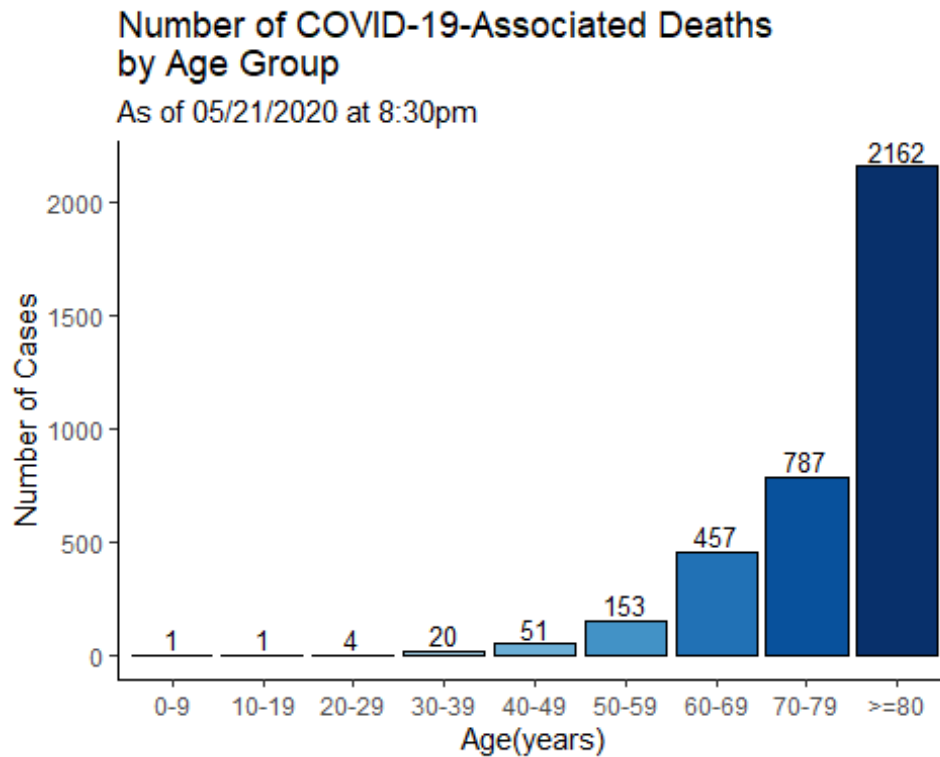
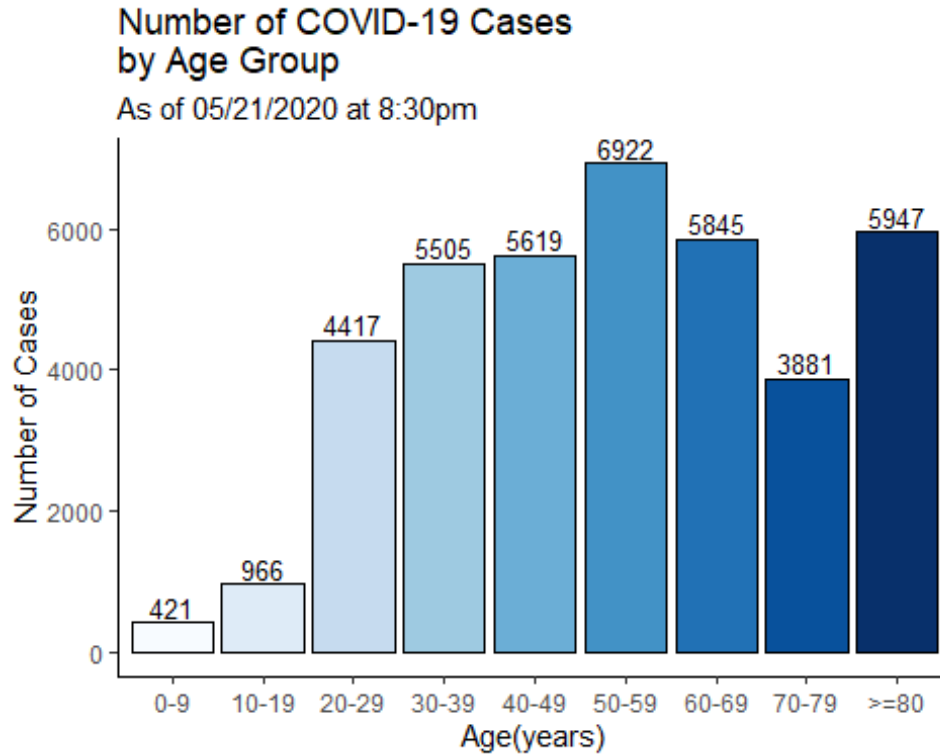
Weekly rates of COVID-19 cases by County



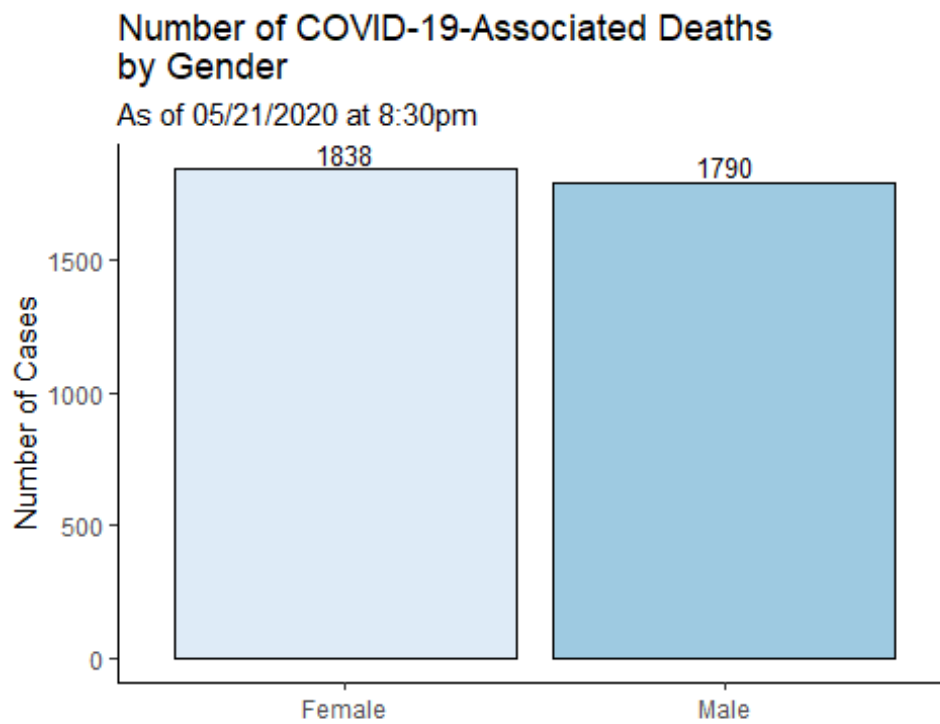
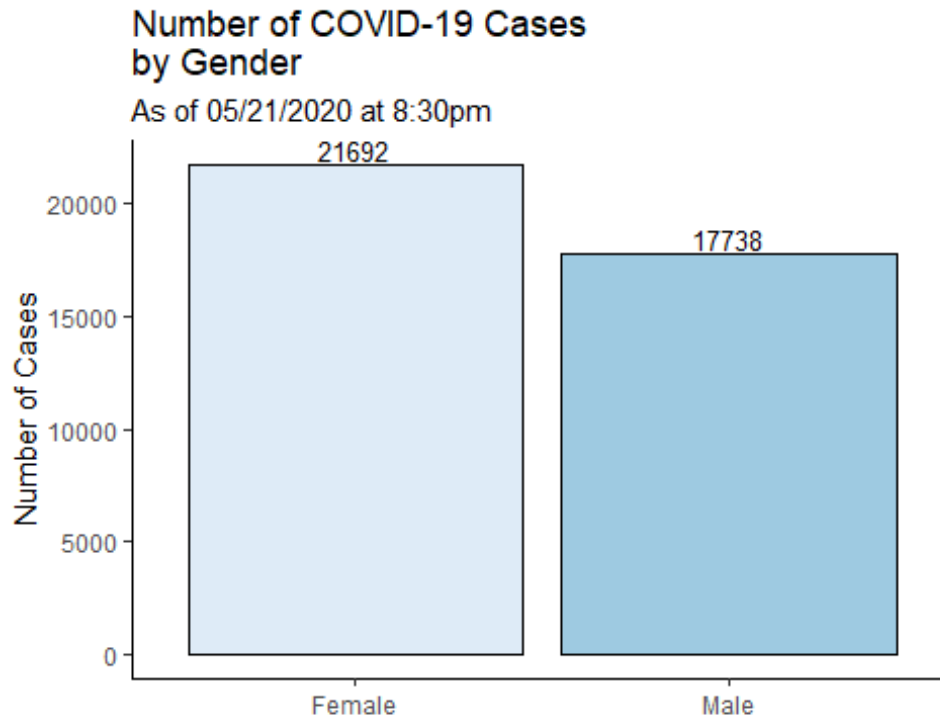
Notes:

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.

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

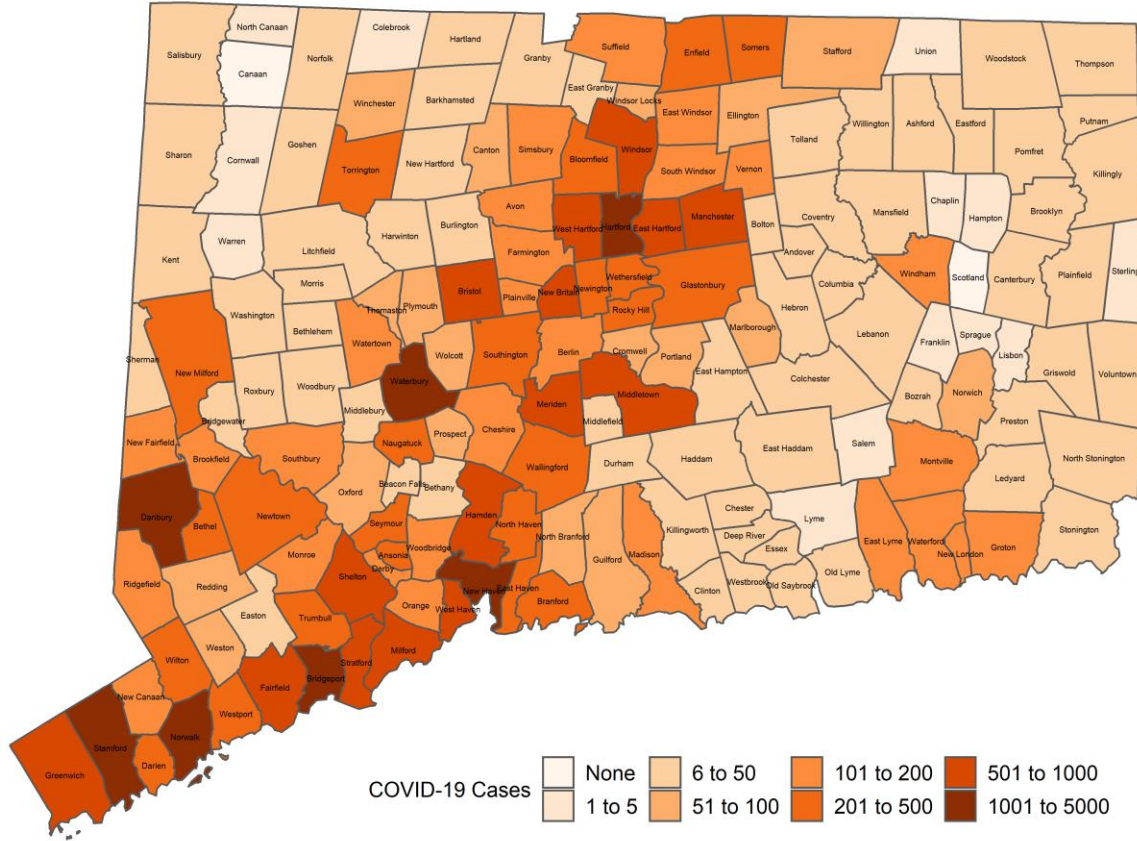


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Connecticut Towns with Confirmed Cases of COVID-19

Map does not include 188 cases pending address validation



All data are preliminary and subject to change. Updated 5/22/2020.

APPENDIX A. Towns with Confirmed Cases of COVID-19

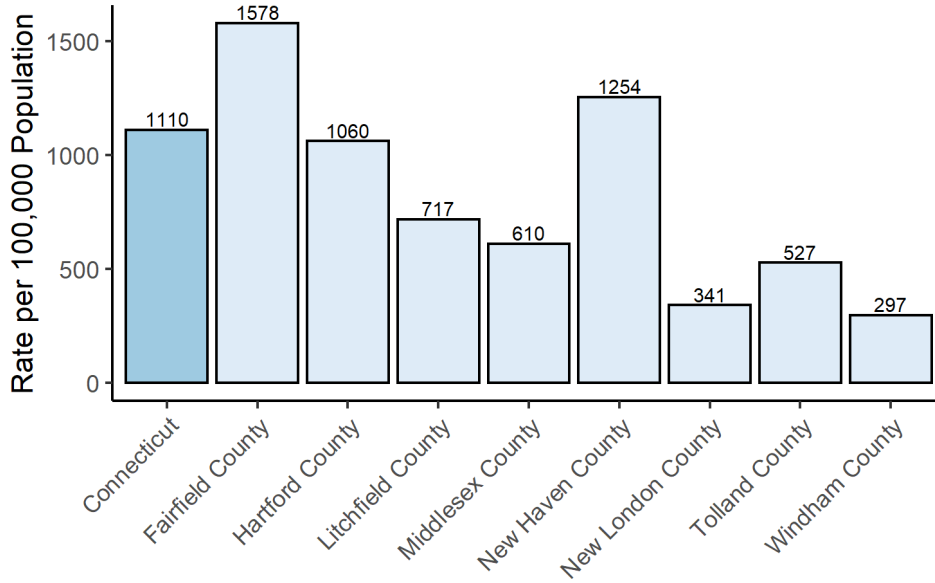
Table does not include 188 cases pending address validation

Town	Cases	Town	Cases	Town	Cases
Andover	10	Griswold	20	Prospect	52
Ansonia	248	Groton	106	Putnam	25
Ashford	15	Guilford	94	Redding	68
Avon	106	Haddam	26	Ridgefield	199
Barkhamsted	24	Hamden	900	Rocky Hill	368
Beacon Falls	45	Hampton	2	Roxbury	6
Berlin	137	Hartford	2073	Salem	4
Bethany	30	Hartland	6	Salisbury	10
Bethel	242	Harwinton	27	Scotland	0
Bethlehem	10	Hebron	21	Seymour	211
Bloomfield	439	Kent	7	Sharon	16
Bolton	19	Killingly	26	Shelton	533
Bozrah	8	Killingworth	13	Sherman	14
Branford	314	Lebanon	24	Simsbury	108
Bridgeport	3099	Ledyard	19	Somers	279
Bridgewater	6	Lisbon	5	South Windsor	134
Bristol	516	Litchfield	35	Southbury	162
Brookfield	151	Lyme	4	Southington	288
Brooklyn	19	Madison	131	Sprague	3
Burlington	21	Manchester	589	Stafford	95
Canaan	0	Mansfield	27	Stamford	3066
Canterbury	11	Marlborough	52	Sterling	2
Canton	78	Meriden	698	Stonington	30
Chaplin	3	Middlebury	44	Stratford	743
Cheshire	172	Middlefield	15	Suffield	113
Chester	46	Middletown	521	Thomaston	53
Clinton	50	Milford	593	Thompson	29
Colchester	32	Monroe	103	Tolland	47
Colebrook	2	Montville	110	Torrington	461
Columbia	19	Morris	15	Trumbull	500
Cornwall	4	Naugatuck	342	Union	4
Coventry	37	New Britain	871	Vernon	171
Cromwell	99	New Canaan	166	Voluntown	9
Danbury	1660	New Fairfield	106	Wallingford	411
Darien	202	New Hartford	24	Warren	4
Deep River	8	New Haven	2303	Washington	20
Derby	136	New London	136	Waterbury	1798
Durham	29	New Milford	262	Waterford	149
East Granby	8	Newington	333	Watertown	135
East Haddam	12	Newtown	207	West Hartford	527
East Hampton	40	Norfolk	9	West Haven	989
East Hartford	714	North Branford	80	Westbrook	24
East Haven	375	North Canaan	5	Weston	61
East Lyme	126	North Haven	218	Westport	279
East Windsor	140	North Stonington	10	Wethersfield	229
Eastford	8	Norwalk	1942	Willington	12
Easton	31	Norwich	85	Wilton	202
Ellington	55	Old Lyme	17	Winchester	51
Enfield	409	Old Saybrook	33	Windham	152
Essex	20	Orange	113	Windsor	507
Fairfield	548	Oxford	78	Windsor Locks	98
Farmington	188	Plainfield	30	Wolcott	94
Franklin	3	Plainville	132	Woodbridge	125
Glastonbury	258	Plymouth	64	Woodbury	40
Goshen	8	Pomfret	13	Woodstock	13
Granby	21	Portland	56		
Greenwich	767	Preston	10		

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](#)

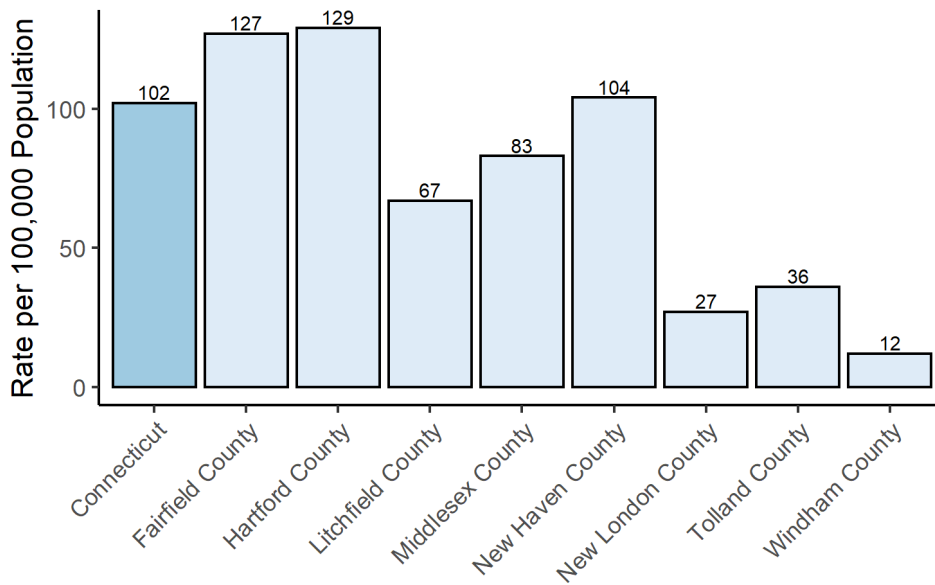
Rate of COVID-19 Cases Statewide and by County

As of 05/21/2020 at 8:30pm



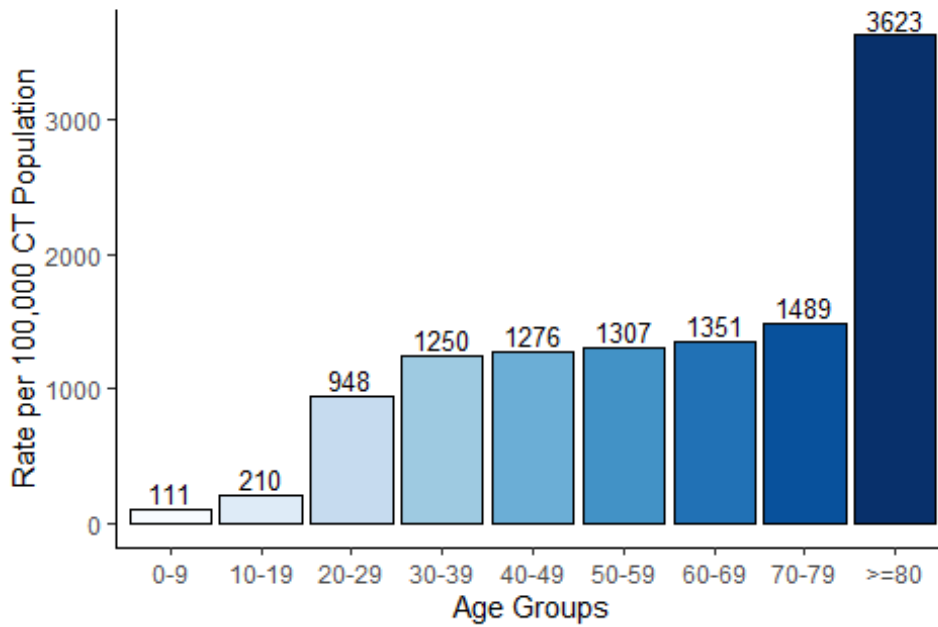
Rate of COVID-19-Associated Deaths Statewide and by County

As of 05/21/2020 at 8:30pm



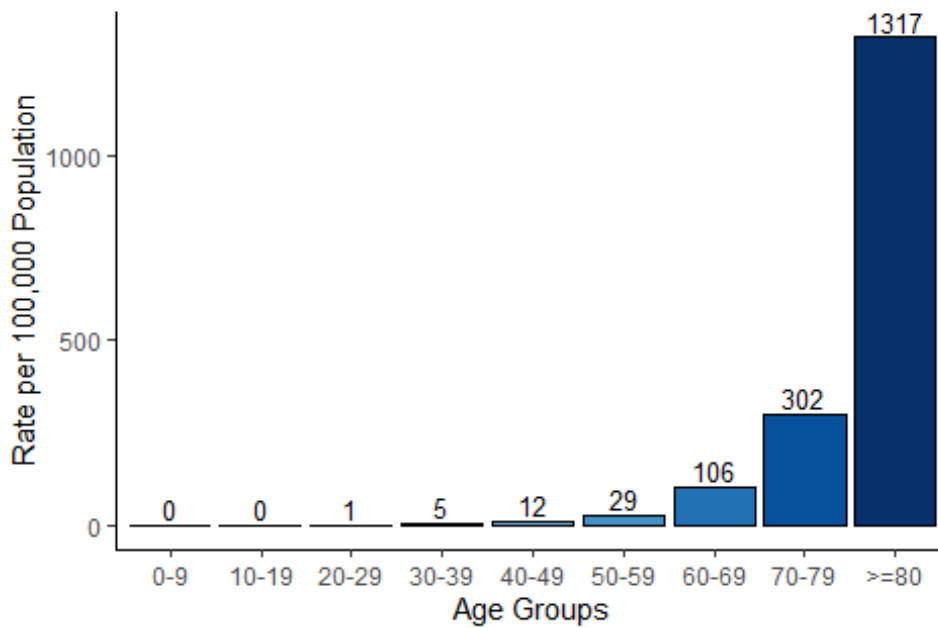
Rate of COVID-19 Cases by Age Group

As of 05/21/2020 at 8:30pm



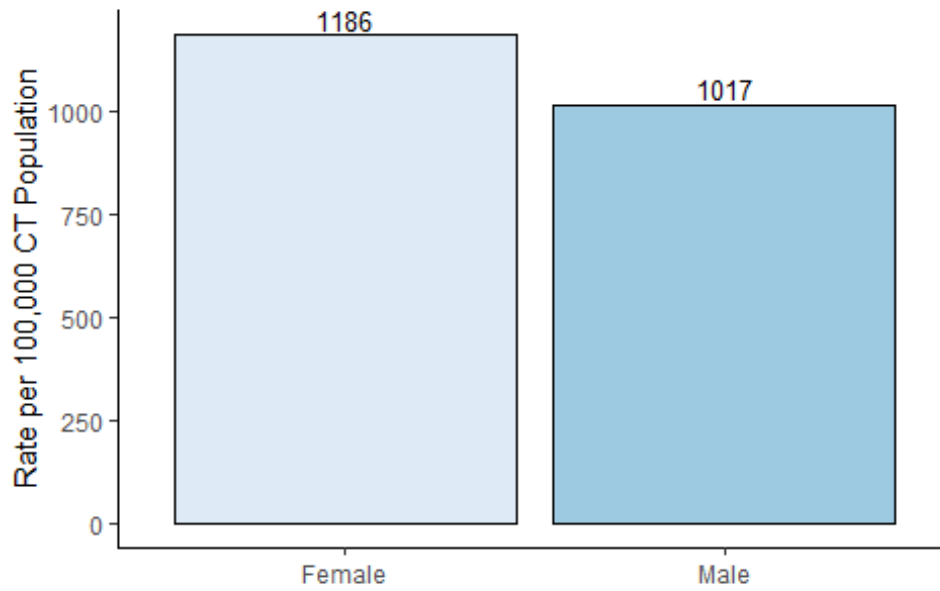
Rate of COVID-19-Associated Deaths by Age Group

As of 05/21/2020 at 8:30pm



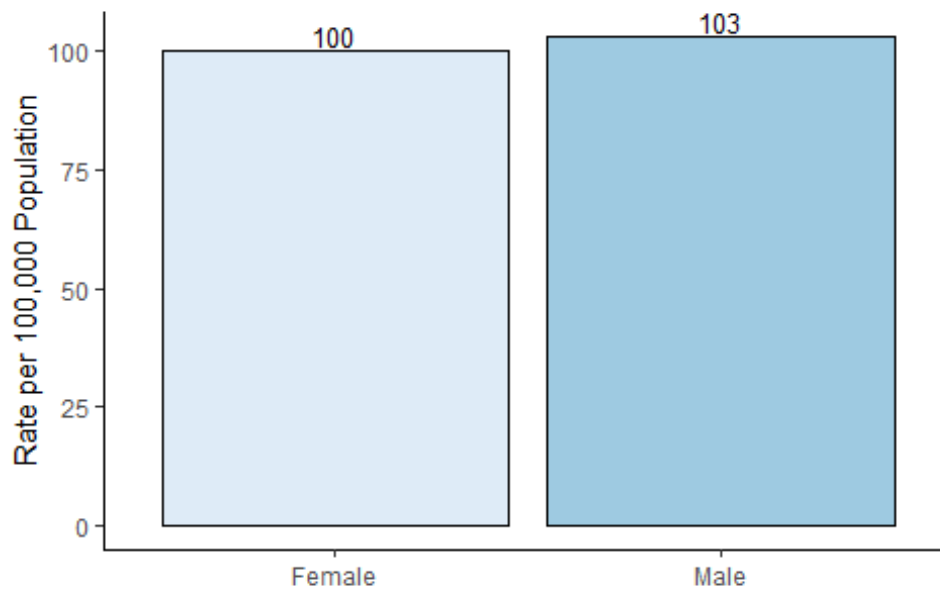
Rate of COVID-19 Cases by Gender

As of 05/21/2020 at 8:30pm

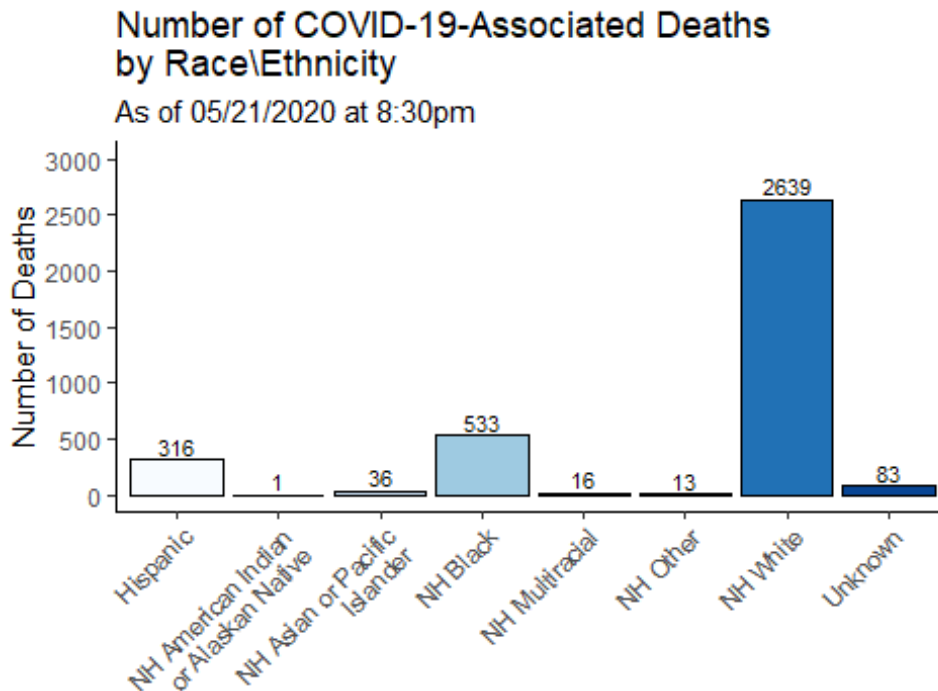
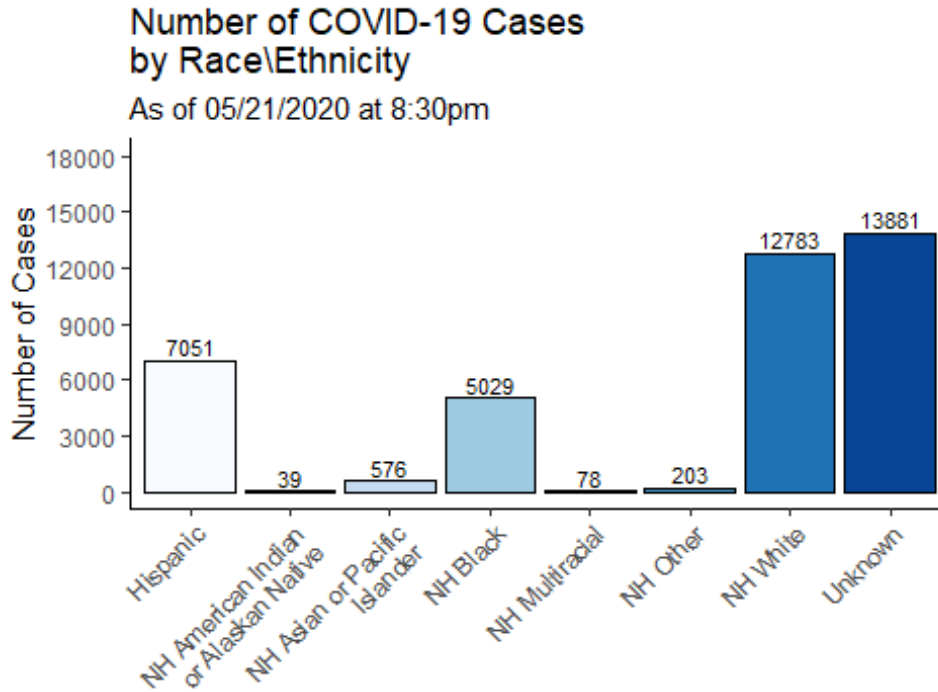


Rate of COVID-19-Associated Deaths by Gender

As of 05/21/2020 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. Counts may not add up to total case counts as data on race and ethnicity may be missing. NH=Non-Hispanic



The following graphs show the number of cases and deaths per 100,000 population by race and ethnicity. Population estimate from: [DPH Population Statistics](#). Categories are mutually exclusive. The category "multiracial" includes people who answered 'yes' to more than one race category. Counts may not add up to total case counts as data on race and ethnicity may be missing. NH=Non-Hispanic

