COVID-19 Update January 28, 2021

As of **January 27, 2021, at 8:30 PM**, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is **248765**, including **233661** laboratory-confirmed and **15104** probable cases. **Nine hundred ninety-five** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **7020** 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 (molecular test) 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 (confirmed and probable)	248765	+1426
COVID-19 Tests Reported (molecular and antigen)	5658506	+40185
Daily Test Positivity		3.55%
Patients Currently Hospitalized with COVID-19	995	-21
COVID-19-Associated Deaths	7020	+44

*Includes confirmed plus probable cases

COVID-19 Cases and Associated Deaths by County of Residence *as of 01/27/21 8:30pm.*

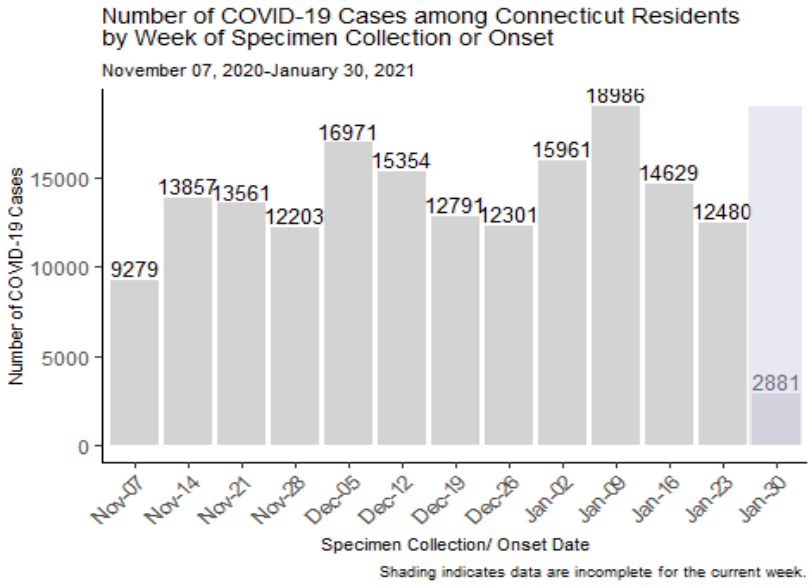
County	COVID-19 Cases		COVID-19-Associated Deaths	
	Confirmed	Probable	Confirmed	Probable
Fairfield County	66,499	5,198	1,532	395
Hartford County	60,037	2,876	1,706	393
Litchfield County	9,057	785	219	34
Middlesex County	8,577	564	245	74
New Haven County	58,287	4,470	1,526	256
New London County	16,180	464	271	90
Tolland County	6,395	410	105	29
Windham County	7,922	214	110	28
Pending address validation	707	123	4	3
Total	**233661**	**15104**	**5718**	**1302**

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

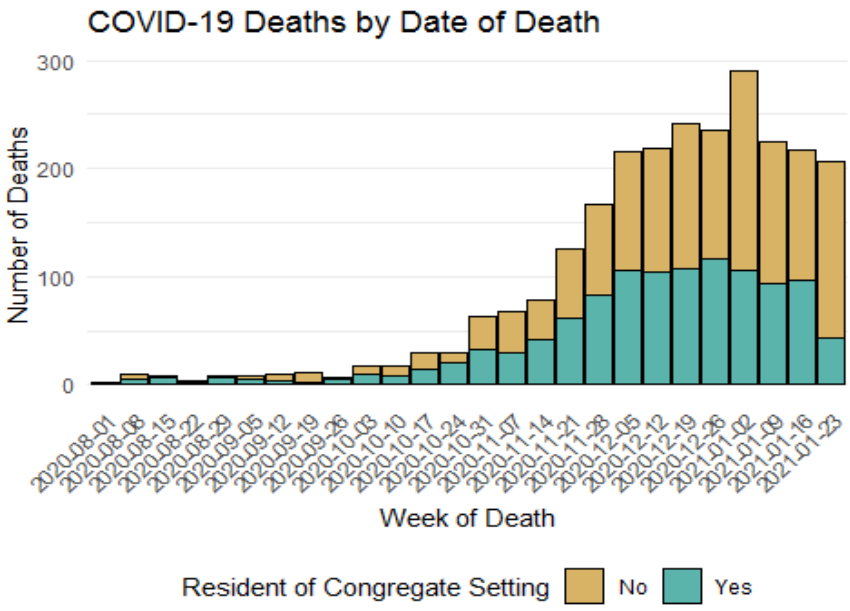
Day-to-day changes reflect newly reported cases, deaths, and tests that occurred over the last several days to week. All data in this report are preliminary; data for previous dates will be updated as new reports are received and data errors are corrected. Hospitalization data were collected by the Connecticut 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. Case data now includes probable cases based on positive antigen test results. During the past two weeks (January 10-23), there were 27,109 new COVID-19 cases, including cases among people residing in the community and congregate settings, such as nursing homes, managed residential communities, and correctional facilities.



The graph below shows the number of COVID-19 associated deaths since August 1st 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.

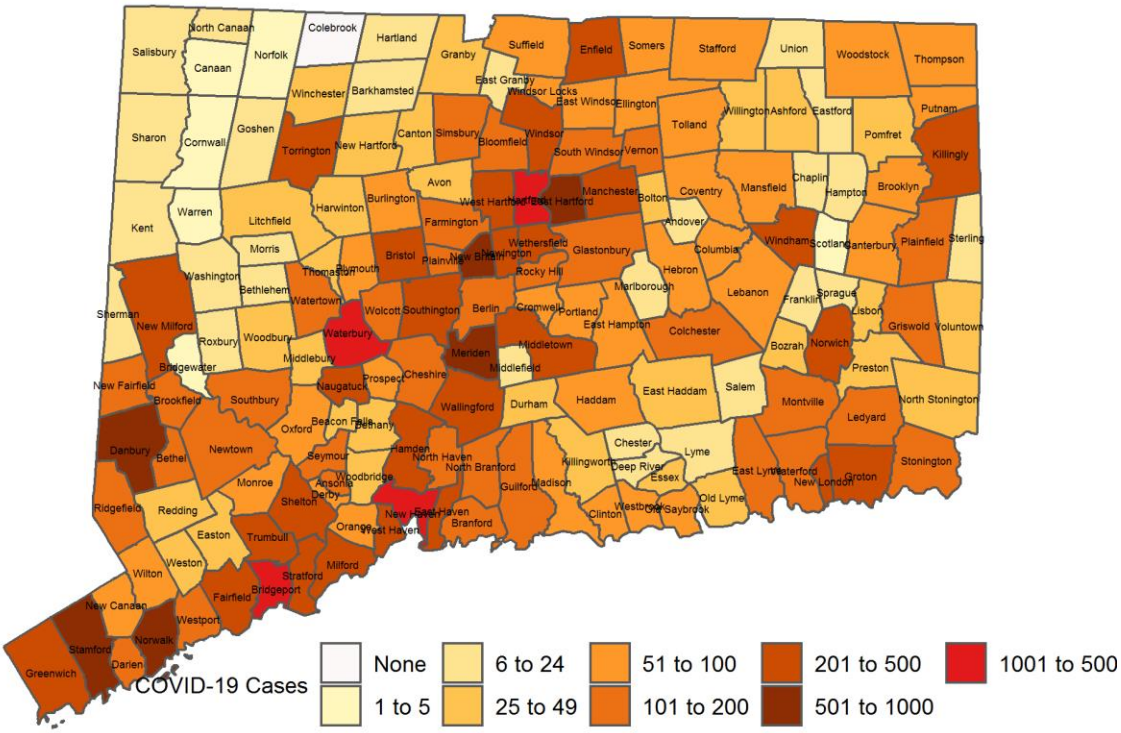


Community Transmission of COVID-19

Among 27,109 new COVID-19 cases with specimen collection or onset date during January 10-23, there were 26,737 cases among people living in community settings, as shown in the map below. This corresponds to an average of 53.46 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 71 towns.

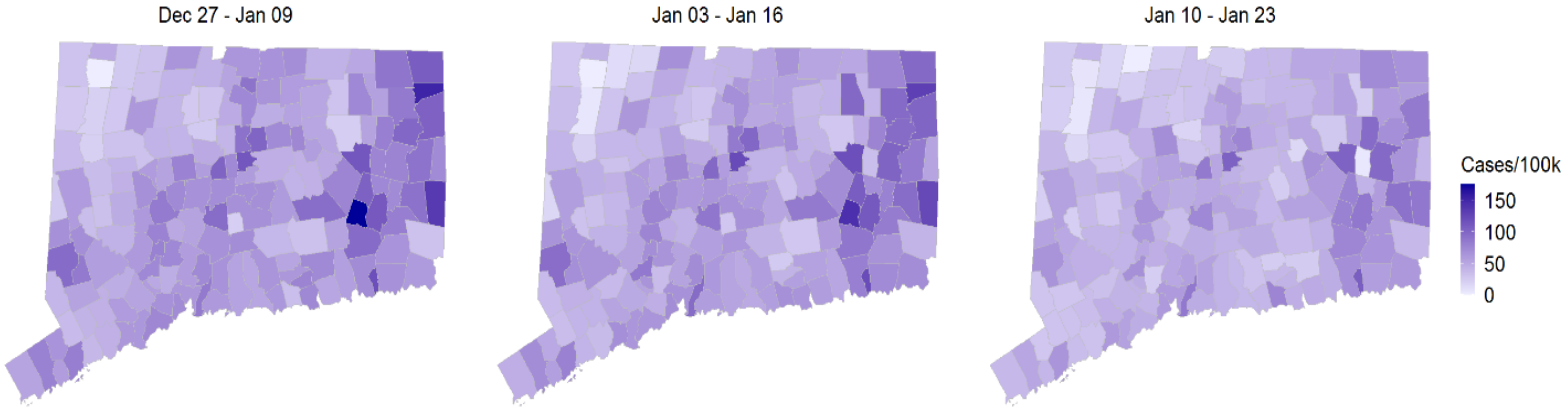
Number of COVID-19 Cases among People Living in Community Settings by Town with Specimen Collection or Onset Date During January 10-23



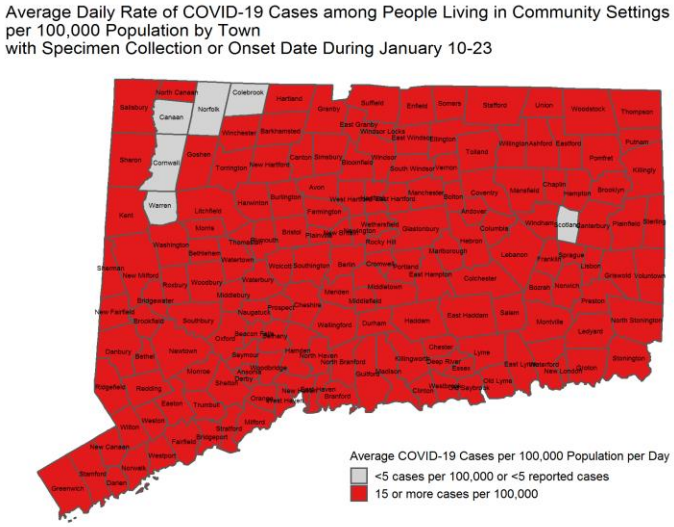
Map does not include 124 *cases pending address validation*

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 maps below show 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.

The three maps below show the average number of new cases per 100,000 population per day for three, 2 week periods with darker colors indicating higher rates.



Among towns with at least 5 new cases during January 10-23, 163 towns had an average rate of 15 or more cases per 100,000 population per day, shown in red in the map below.



Map does not include 124 *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 January 10-23, 2021

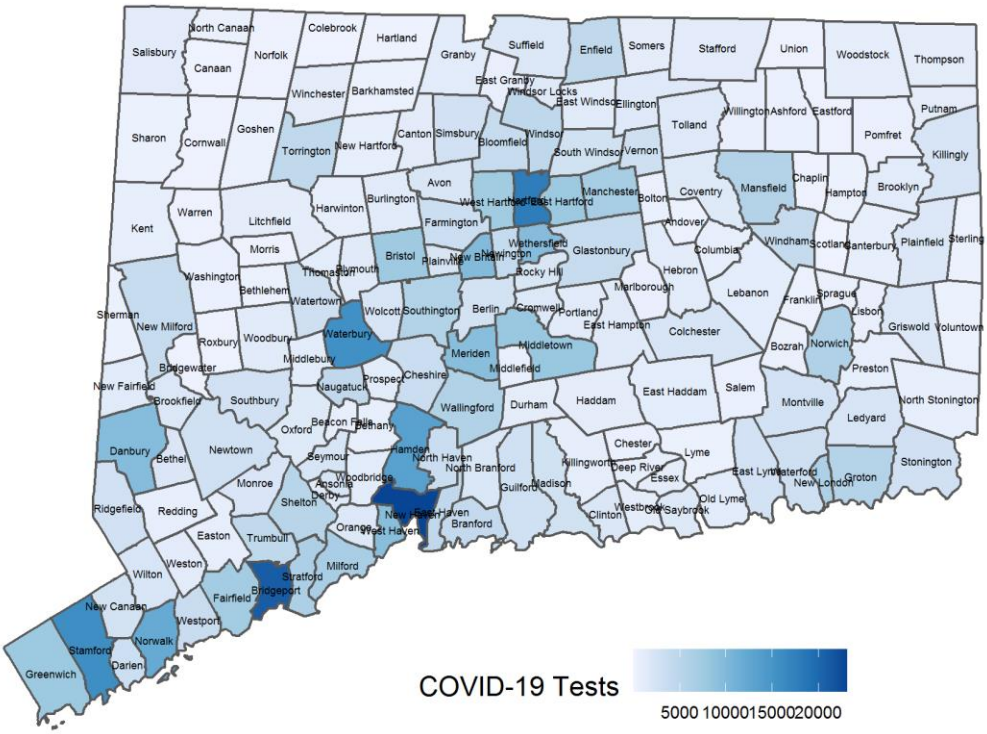
Map does not include 124 *cases pending address validation*

Town	Population	Cases	Rate	Town	Population	Cases	Rate	Town	Population	Cases	Rate
Andover	3,231	7	15.5	Griswold	11,591	147	91	Prospect	9790	57	41.6
Ansonia	18,721	124	47.3	Groton	38,692	310	57	Putnam	9395	77	58.5
Ashford	4,261	34	57.0	Guilford	22,216	132	42	Redding	9125	37	29
Avon	18,302	45	17.6	Haddam	8,222	54	47	Ridgefield	25008	104	29.7
Barkhamsted	3,624	16	31.5	Hamden	60,940	432	51	Rocky Hill	20145	125	44.3
Beacon Falls	6,182	44	50.8	Hampton	1,853	25	96	Roxbury	2160	11	36.4
Berlin	20,432	146	51.0	Hartford	122,587	1,132	66	Salem	4123	25	43.3
Bethany	5,479	35	45.6	Hartland	2,120	7	24	Salisbury	3598	13	25.8
Bethel	19,714	132	47.8	Harwinton	5,430	34	45	Scotland	1685	1	4.2
Bethlehem	3,422	22	45.9	Hebron	9,482	54	41	Seymour	16509	157	67.9
Bloomfield	21,301	149	50.0	Kent	2,785	15	38	Sharon	2703	8	21.1
Bolton	4,890	28	40.9	Killingly	17,287	205	85	Shelton	41097	240	41.7
Bozrah	2,537	28	78.8	Killingworth	6,370	28	31	Sherman	3614	11	21.7
Branford	28,005	184	46.9	Lebanon	7,207	62	61	Simsbury	24979	108	30.9
Bridgeport	144,900	1,246	61.4	Ledyard	14,736	135	65	Somers	10834	57	37.6
Bridgewater	1,641	5	21.8	Lisbon	4,248	35	59	South Windsor	26054	171	46.9
Bristol	60,032	461	54.9	Litchfield	8,127	31	27	Southbury	19656	112	40.7
Brookfield	17,002	118	49.6	Lyme	2,338	8	24	Southington	43807	289	47.1
Brooklyn	8,280	80	69.0	Madison	18,106	99	39	Sprague	2889	17	42
Burlington	9,665	94	69.5	Manchester	57,699	383	47	Stafford	11884	84	50.5
Canaan	1,055	1	6.8	Mansfield	25,817	97	27	Stamford	129775	942	51.8
Canterbury	5,100	70	98.0	Marlborough	6,358	21	24	Sterling	3780	21	39.7
Canton	10,270	40	27.8	Meriden	59,540	615	74	Stonington	18449	159	61.6
Chaplin	2,256	18	57.0	Middlebury	7,731	47	43	Stratford	51967	398	54.7
Cheshire	29,179	140	34.3	Middlefield	4,380	25	41	Suffield	15743	53	24
Chester	4,229	14	23.6	Middletown	46,146	348	54	Thomaston	7560	43	40.6
Clinton	12,950	72	39.7	Milford	54,661	353	46	Thompson	9395	87	66.1
Colchester	15,936	122	54.7	Monroe	19,470	89	33	Tolland	14655	81	39.5
Colebrook	1,405	0	0.0	Montville	18,716	198	76	Torrington	34228	240	50.1
Columbia	5,385	51	67.6	Morris	2,262	9	28	Trumbull	35802	223	44.5
Cornwall	1,368	1	5.2	Naugatuck	31,288	271	62	Union	840	6	51
Coventry	12,414	90	51.8	New Britain	72,453	856	84	Vernon	29303	187	45.6
Cromwell	13,905	94	48.3	New Canaan	20,213	78	28	Voluntown	2535	31	87.3
Danbury	84,730	770	64.9	New Fairfield	13,877	104	54	Wallingford	44535	288	46.2
Darien	21,753	120	39.4	New Hartford	6,685	29	31	Warren	1399	3	15.3
Deep River	4,463	24	38.4	New Haven	130,418	1,102	60	Washington	3434	20	41.6
Derby	12,515	74	42.2	New London	26,939	402	107	Waterbury	108093	1010	66.7
Durham	7,195	43	42.7	New Milford	26,974	207	55	Waterford	18887	181	68.5
East Granby	5,147	24	33.3	Newington	30,112	216	51	Watertown	21641	145	47.9
East Haddam	8,988	45	35.8	Newtown	27,774	173	44	West Hartford	62939	301	34.2
East Hampton	12,854	68	37.8	Norfolk	1,640	4	17	West Haven	54879	468	60.9
East Hartford	49,998	535	76.4	North Branford	14,158	109	55	Westbrook	6914	74	76.4
East Haven	28,699	346	86.1	North Canaan	3,254	18	40	Weston	10247	44	30.7
East Lyme	18,645	120	46.0	North Haven	23,691	189	57	Westport	28115	136	34.6
East Windsor	11,375	55	34.5	North Stonington	5,243	28	38	Wethersfield	26082	379	103.8
Eastford	1,790	6	23.9	Norwalk	89,047	801	64	Willington	5887	40	48.5
Easton	7,517	36	34.2	Norwich	39,136	479	87	Wilton	18397	78	30.3
Ellington	16,299	90	39.4	Old Lyme	7,366	50	48	Winchester	10655	34	22.8
Enfield	44,466	236	37.9	Old Saybrook	10,087	64	45	Windham	24706	356	102.9
Essex	6,674	39	41.7	Orange	13,949	79	40	Windsor	28760	237	58.9
Fairfield	61,952	270	31.1	Oxford	13,226	76	41	Windsor Locks	12876	89	49.4
Farmington	25,506	112	31.4	Plainfield	15,173	138	65	Wolcott	16649	119	51.1
Franklin	1,933	21	77.6	Plainville	17,623	146	59	Woodbridge	8805	28	22.7
Glastonbury	34,491	185	38.3	Plymouth	11,645	83	51	Woodbury	9537	37	27.7
Goshen	2,879	16	39.7	Pomfret	4,204	35	60	Woodstock	7862	79	71.8
Granby	11,375	50	31.4	Portland	9,305	60	46				
Greenwich	62,727	327	37.2	Preston	4,638	42	65				

COVID-19 Molecular and Antigen Tests during January 10-23

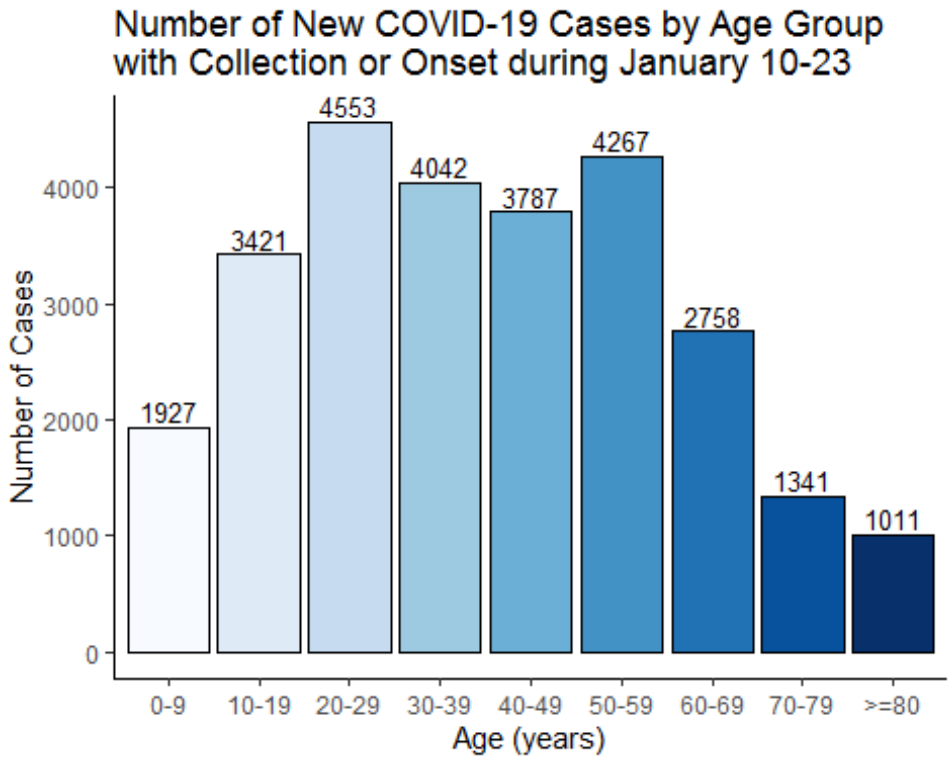
Among 527,539 molecular and antigen tests for COVID-19 with specimen collection date during January 10-23, 491,420 (93%) tests were conducted among people who did not reside in congregate settings (including nursing homes, assisted living, and correctional facilities). Of these 491,420 tests, 33,157 (7%) were positive. The map below shows the number of molecular and antigen COVID-19 tests by town with specimen collection date during January 10-23 that were conducted among community residents.

Number of Molecular and Antigen Tests for COVID-19 among People Living in Community Settings by Town with Specimen Collection Date During January 10-23



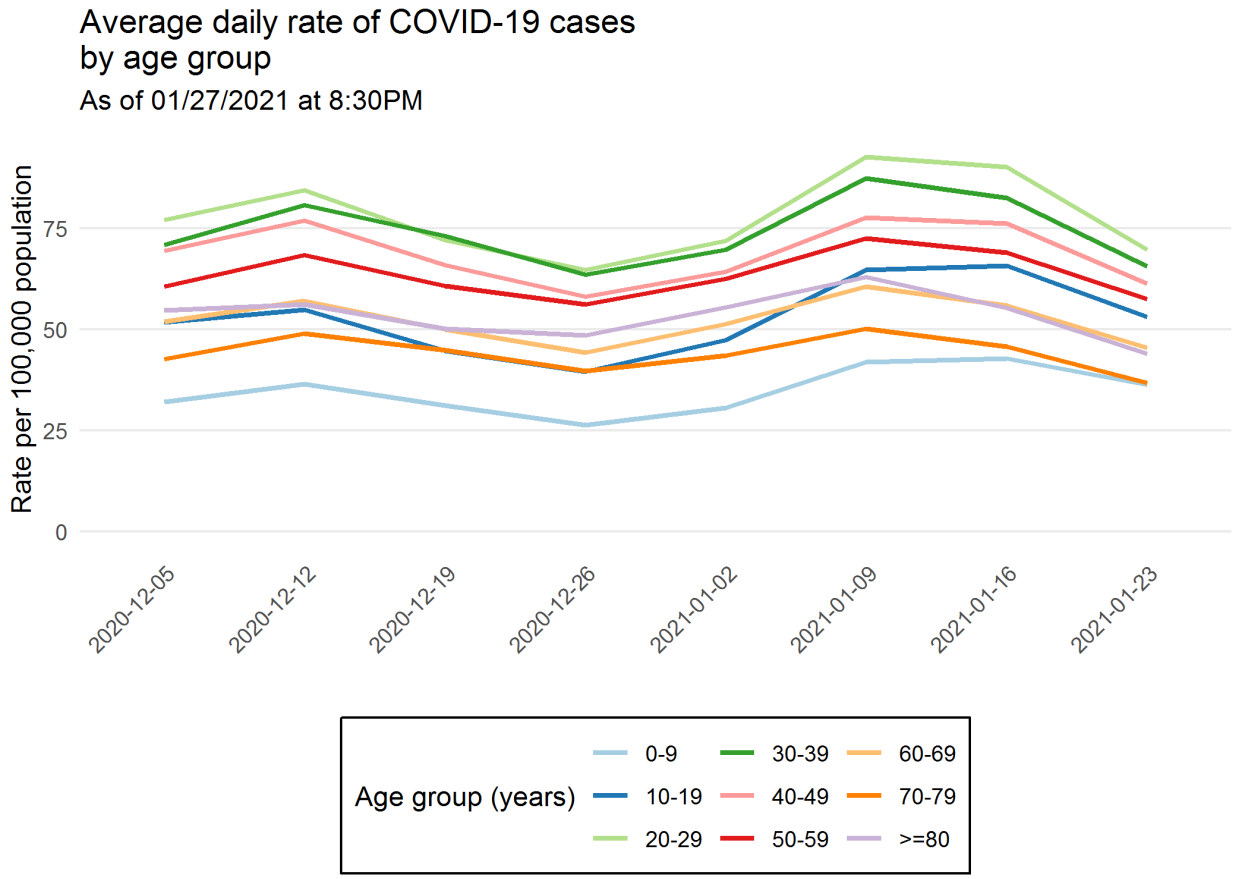
Map does not include tests pending address validation

Age Distribution of COVID-19 Cases with Specimen Collection or Onset During January 10-23, 2020



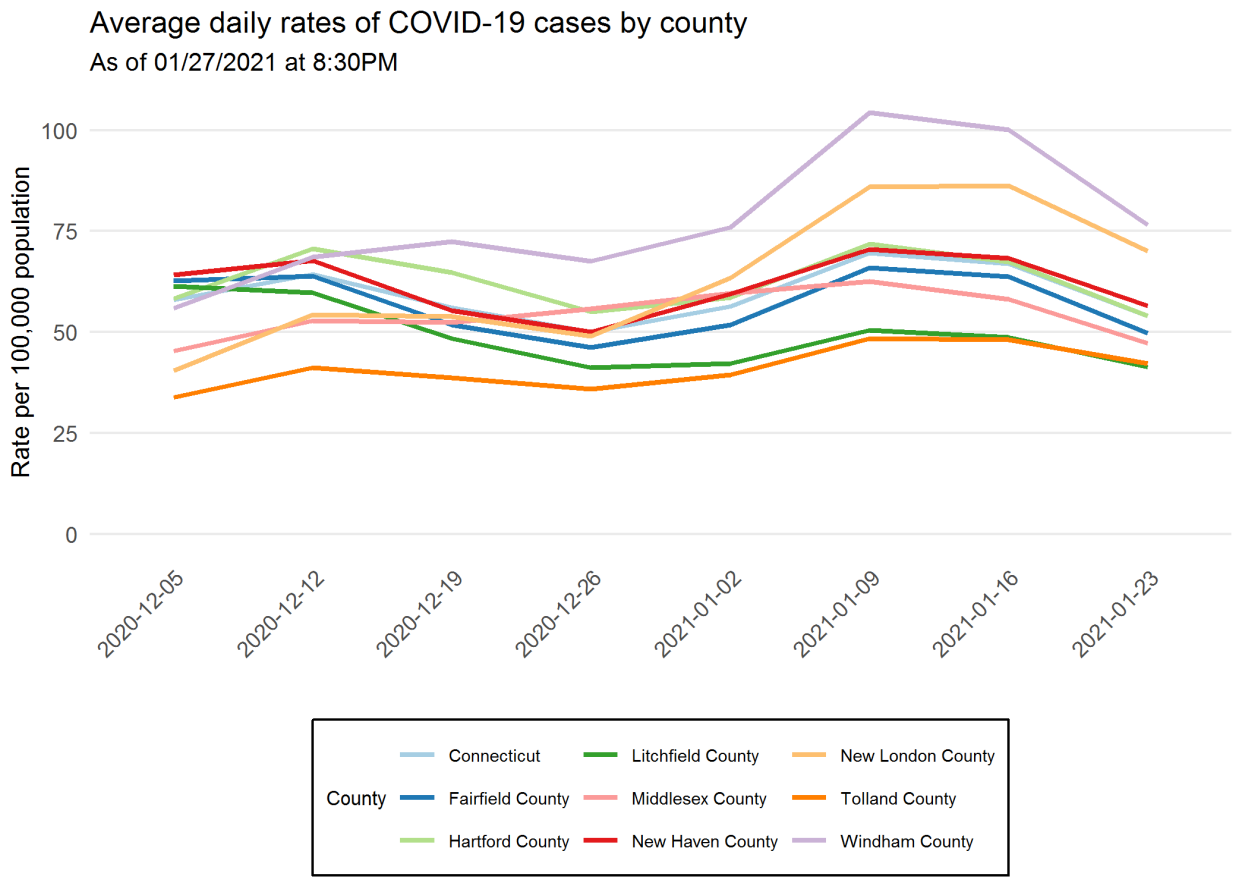
Average Daily Incidence by Age Group

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.



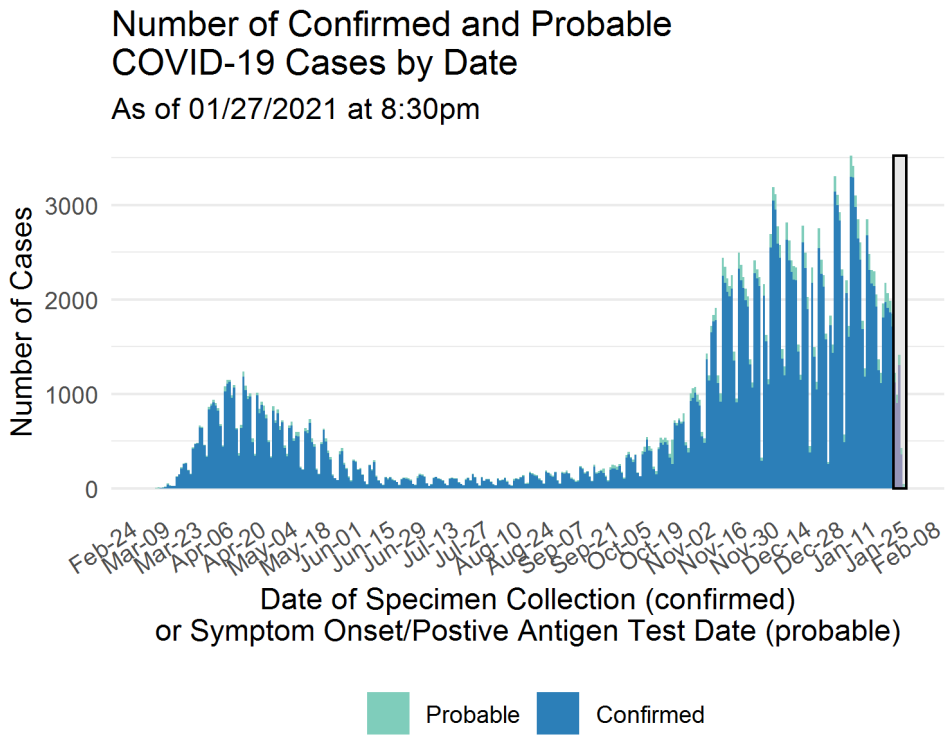
Average Daily Incidence by County

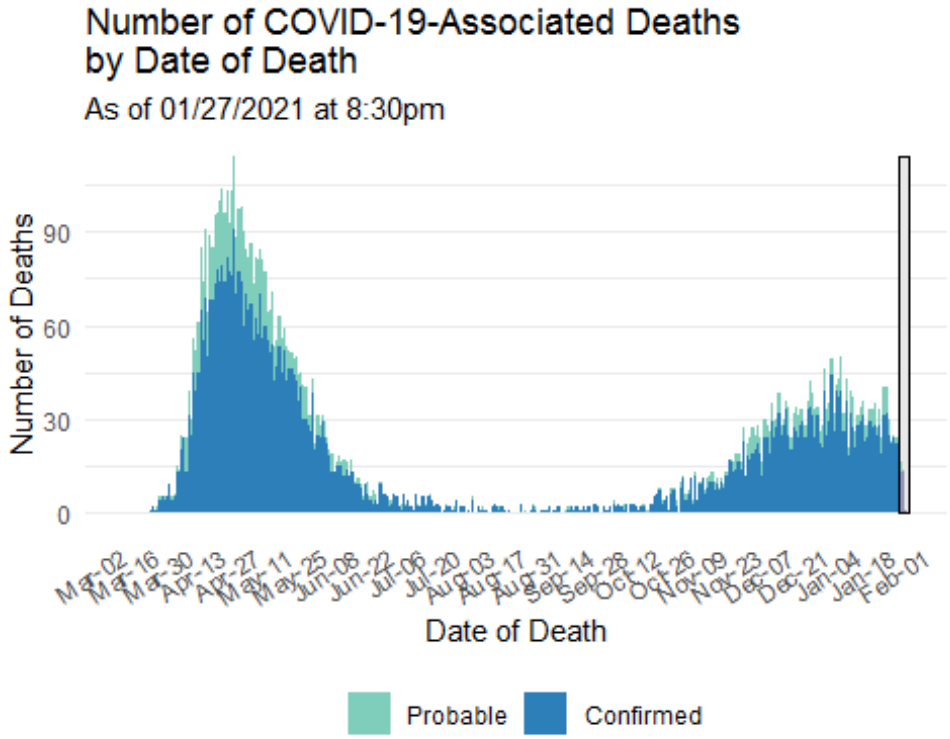
The chart below shows the average number of new COVID-19 cases per day per 100,000 population in the state of Connecticut and for each Connecticut county. The rates in this chart are calculated by averaging the number of new cases diagnosed each day during the previous two weeks, dividing by the annual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



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.



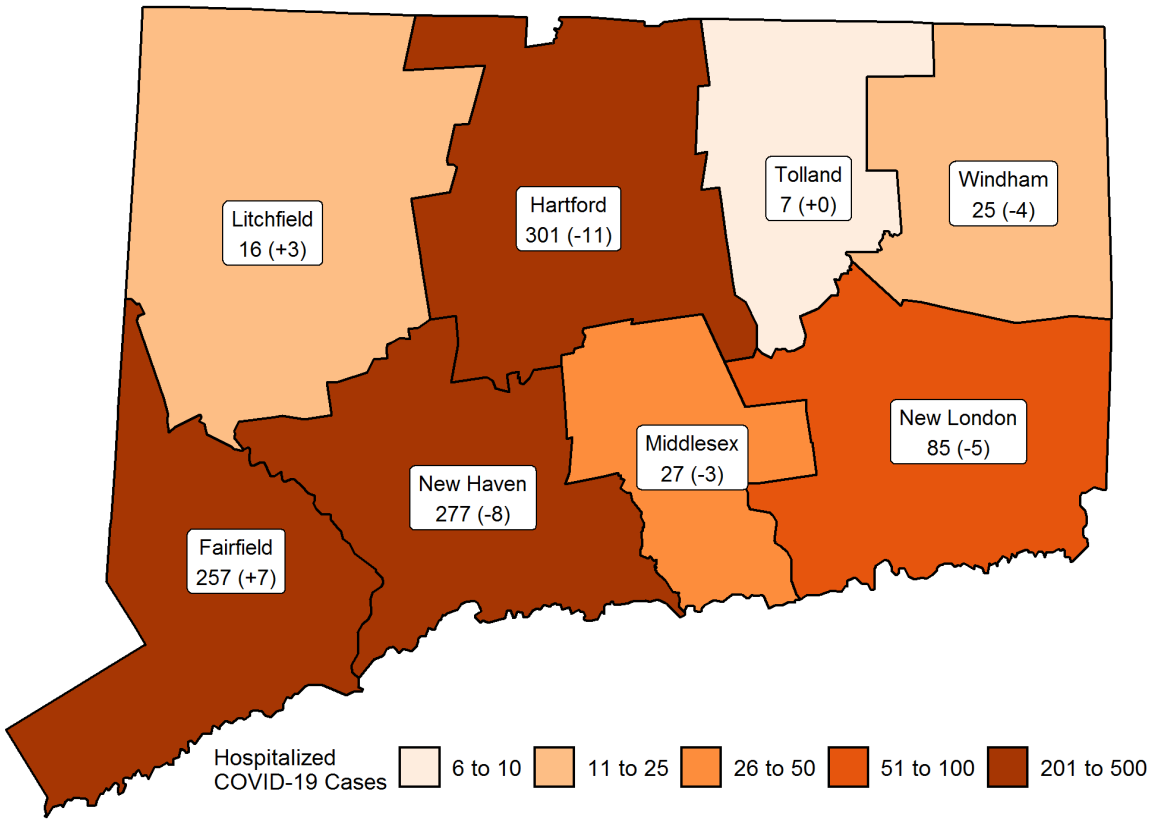


Hospitalization Surveillance

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

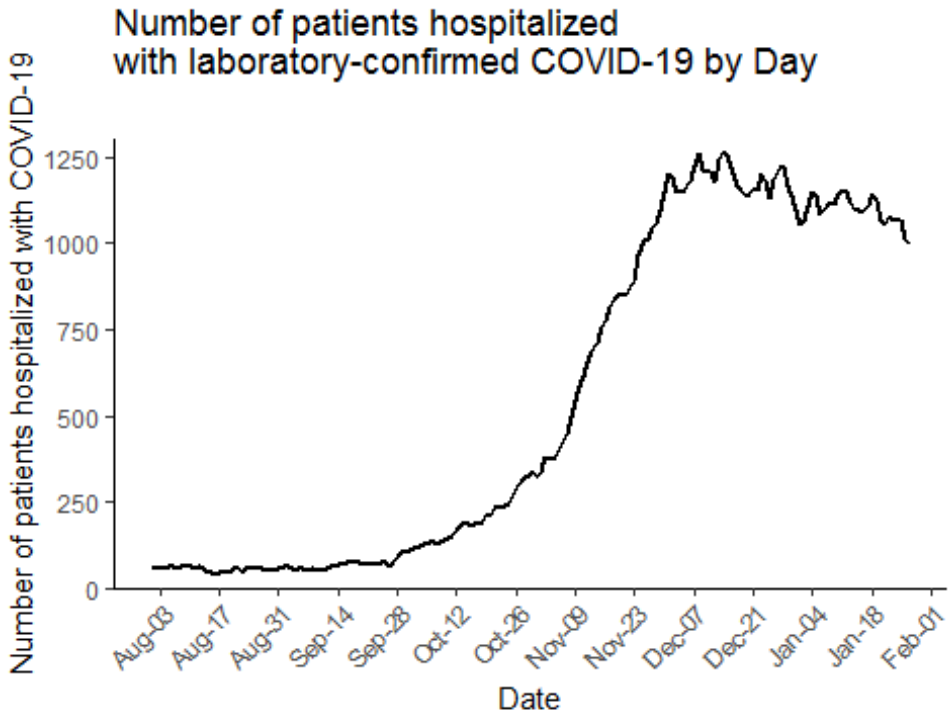
Distribution by location of hospital not patient residence. Data from the Connecticut Hospital Association.



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.

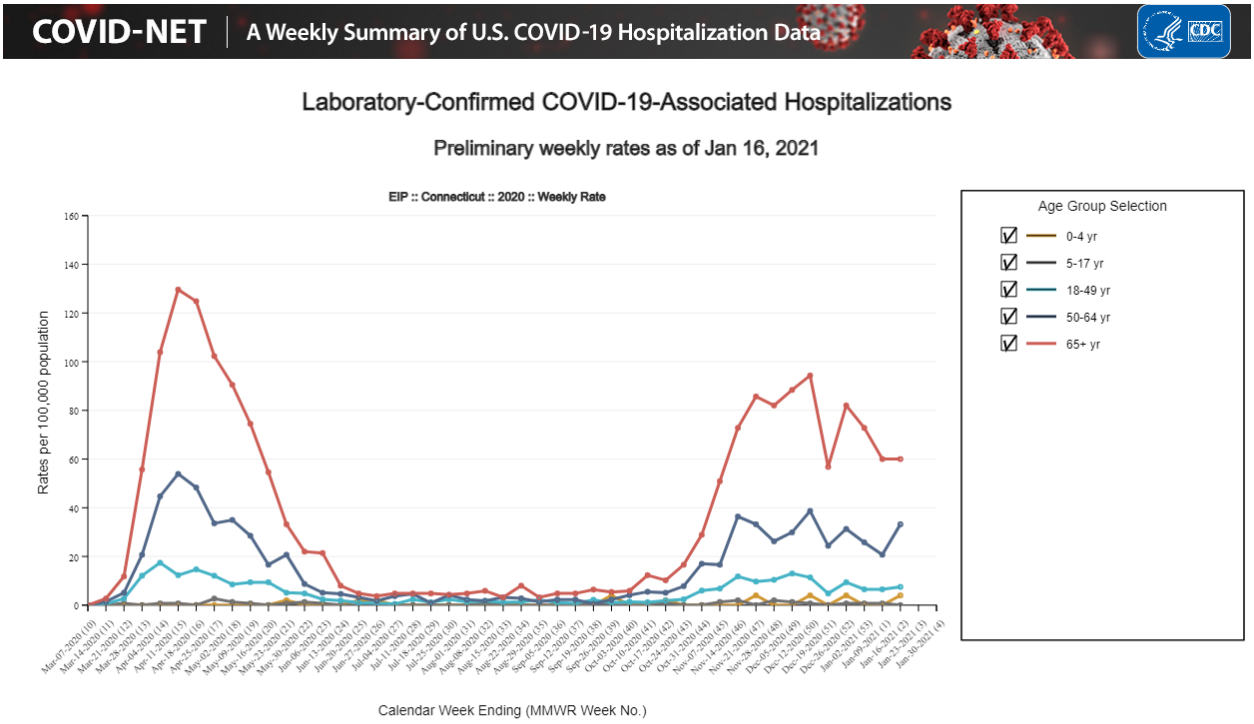


Weekly hospitalizations by age group in New Haven and Middlesex Counties

The chart below shows the weekly rate of laboratory-confirmed COVID-19-associated hospitalizations by age group for residents of New Haven and Middlesex Counties.

These data were collected by COVID-NET, the COVID-19-Associated Hospitalization Surveillance Network. Connecticut is one of 14 states that participate in COVID-NET, which conducts population-based surveillance for laboratory-confirmed COVID-19-associated hospitalizations. In Connecticut, COVID-NET surveillance covers residents of New Haven and Middlesex Counties, a population of approximately 1 million. These data are collected in partnership with CDC and other surveillance sites.

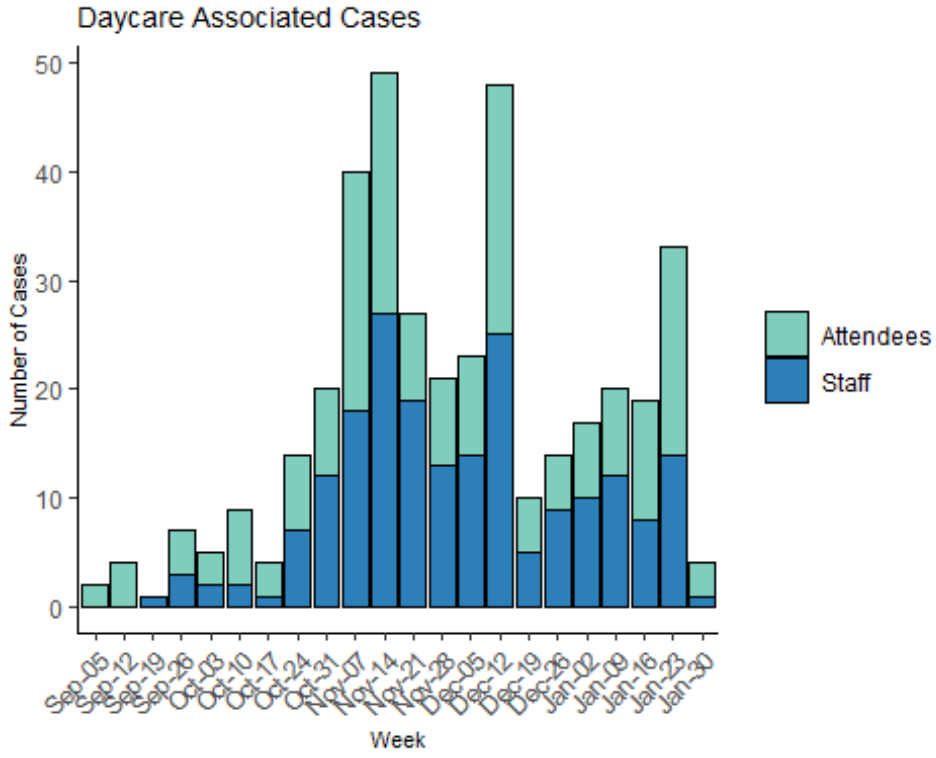
COVID-NET hospitalization data are preliminary and subject to change as more data become available. In particular, case counts and rates for recent hospital admissions are subject to lag. As data are received each week, prior case counts and rates are updated.



The Coronavirus Disease 2019 (COVID-19)-Associated Hospitalization Surveillance Network (COVID-NET) conducts population-based surveillance for laboratory-confirmed COVID-19-associated hospitalizations in children (persons younger than 18 years) and adults. The current network covers nearly 100 counties in the 10 Emerging Infections Program (EIP) states (CA, CO, CT, GA, MD, MN, NM, NY, OR, and TN) and four additional states through the Influenza Hospitalization Surveillance Project (IA, MI, OH, and UT). The network represents approximately 10% of US population (~32 million people). Cases are identified by reviewing hospital, laboratory, and admission databases and infection control logs for patients hospitalized with a documented positive SARS-CoV-2 test. Data gathered are used to estimate age-specific hospitalization rates on a weekly basis and describe characteristics of persons hospitalized with COVID-19. Laboratory confirmation is dependent on clinician-ordered SARS-CoV-2 testing. Therefore, the unadjusted rates provided are likely to be underestimated as COVID-19-associated hospitalizations can be missed due to test availability and provider or facility testing practices. COVID-NET hospitalization data are preliminary and subject to change as more data become available. In particular, case counts and rates for recent hospital admissions are subject to lag. As data are received each week, prior case counts and rates are updated accordingly. All incidence rates are unadjusted. Please use the following citation when referencing these data: "COVID-NET: COVID-19-Associated Hospitalization Surveillance Network, Centers for Disease Control and Prevention. WEBSITE. Accessed on DATE".

Daycare Surveillance

Licensed daycare providers are required to report cases of COVID-19 among attendees and staff to the Department of Public Health (DPH) and the local health department. This figure shows the number of cases among daycare attendees and staff reported to DPH since September 1, 2020. Data are preliminary and like other passive surveillance systems, under reporting occurs and the true incidence of disease is more than the number of cases reported.

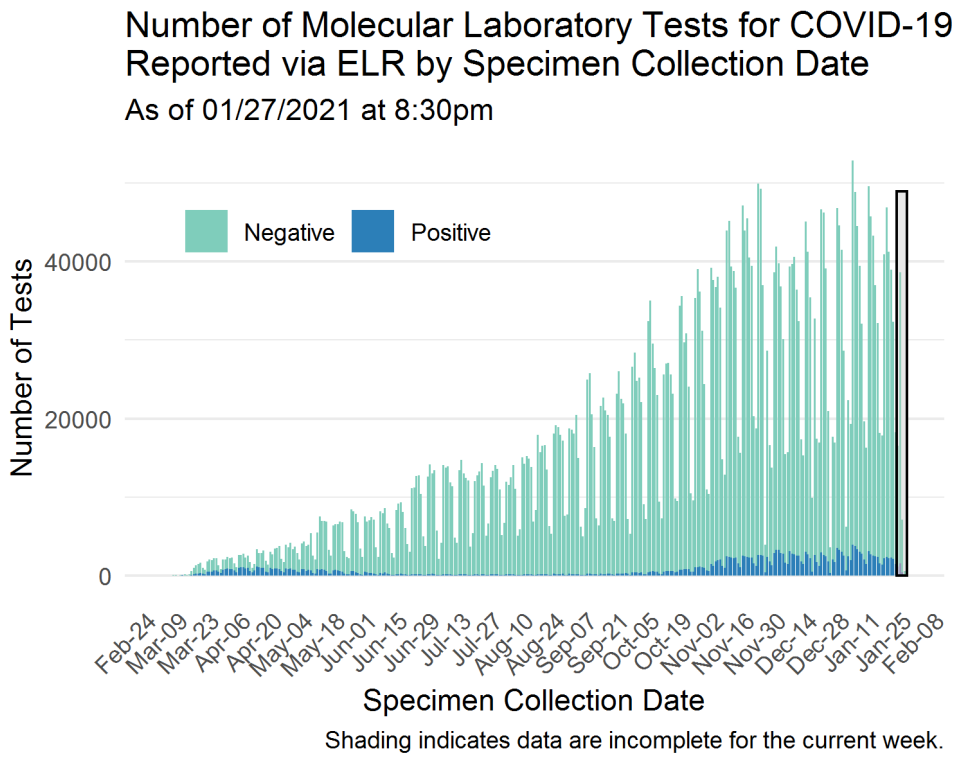


Laboratory Surveillance

Molecular Tests

To date, DPH has received reports on a total of 5,411,471 molecular COVID-19 laboratory tests; of these 4,994,956 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.

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



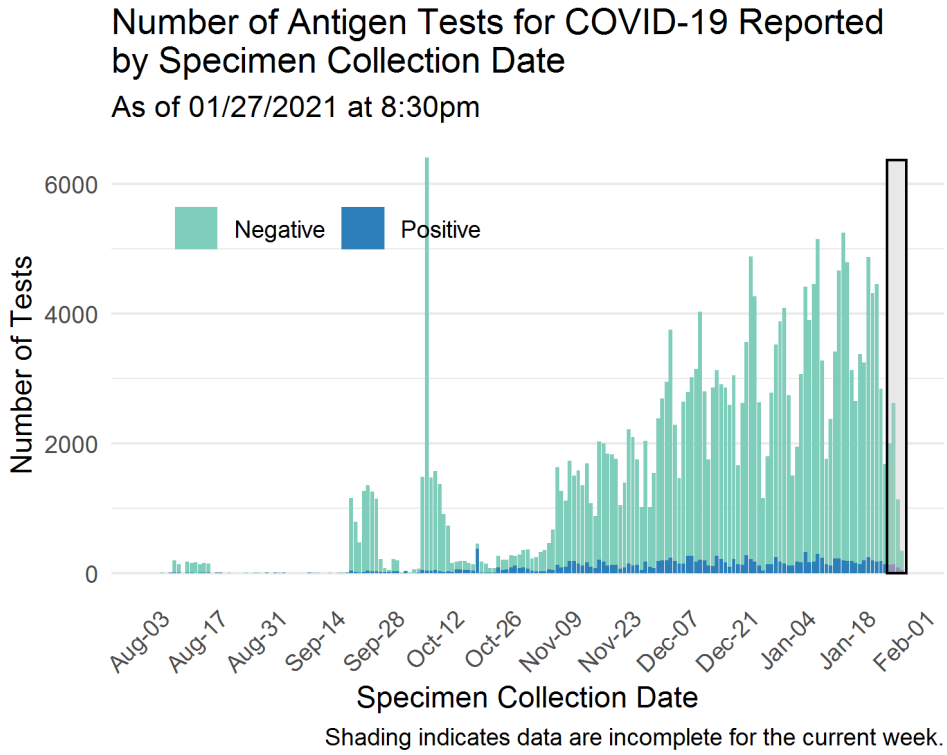
Testing of recently collected specimens is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.

ELR = Electronic Laboratory Reporting

Antigen Tests

To date, DPH has received reports on a total of 247,035 COVID-19 antigen laboratory tests. The chart below shows the number of antigen tests reported to DPH by specimen collection date and test result.

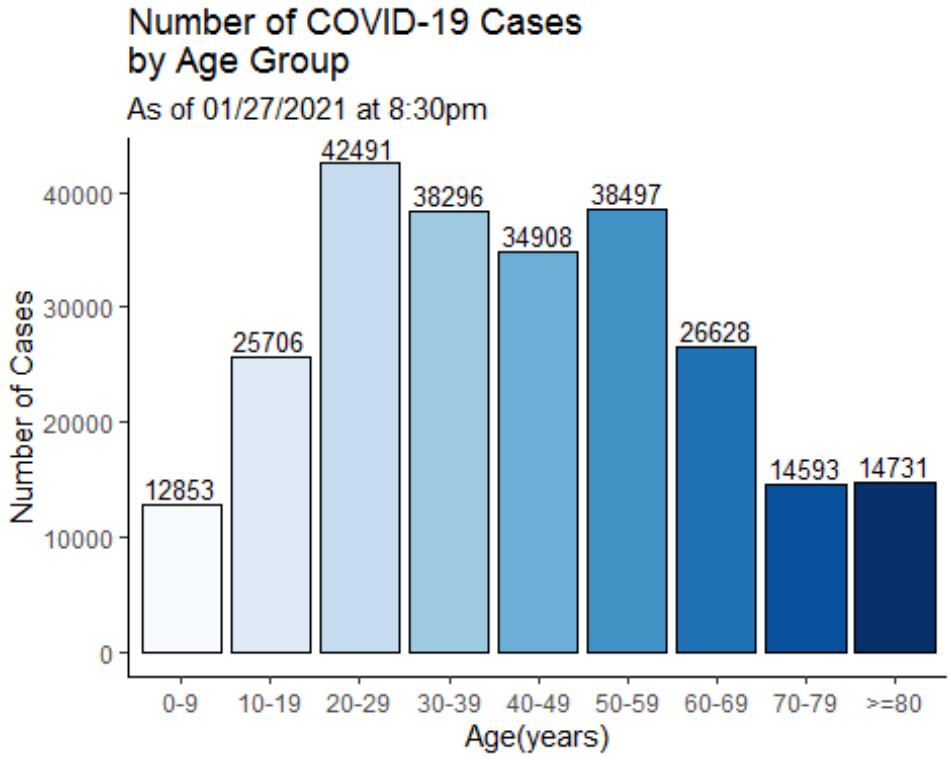
Test results may be reported several days after specimen collection. Data are incomplete for most recent dates shaded in grey. Data for previous dates are routinely updated.

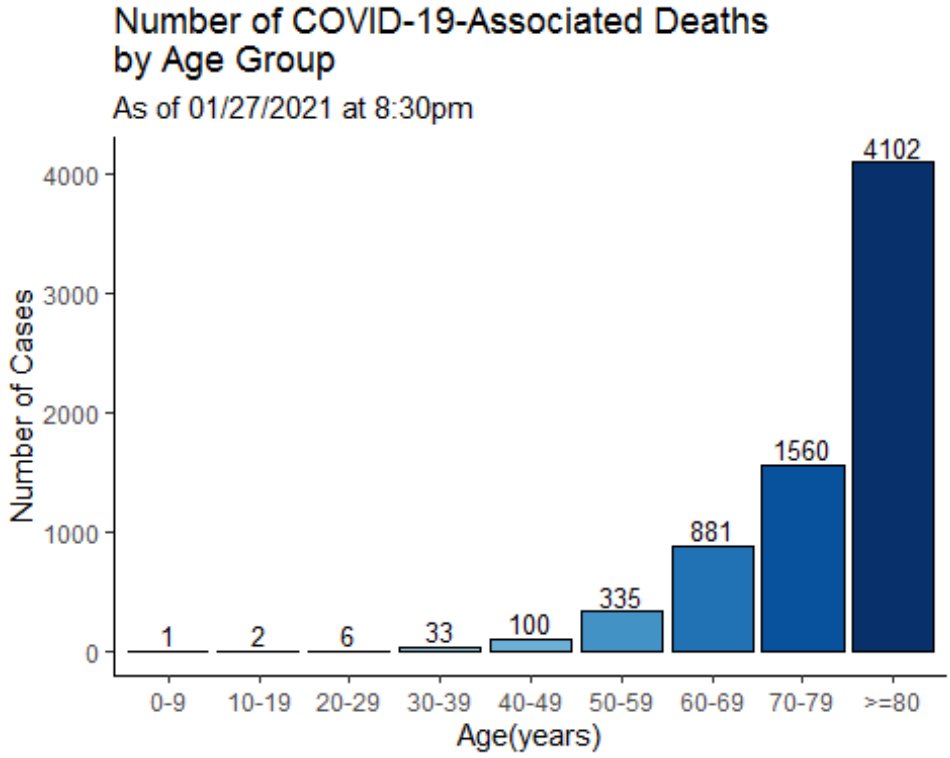


Testing of recently collected specimens is ongoing and does not reflect a decrease in testing.

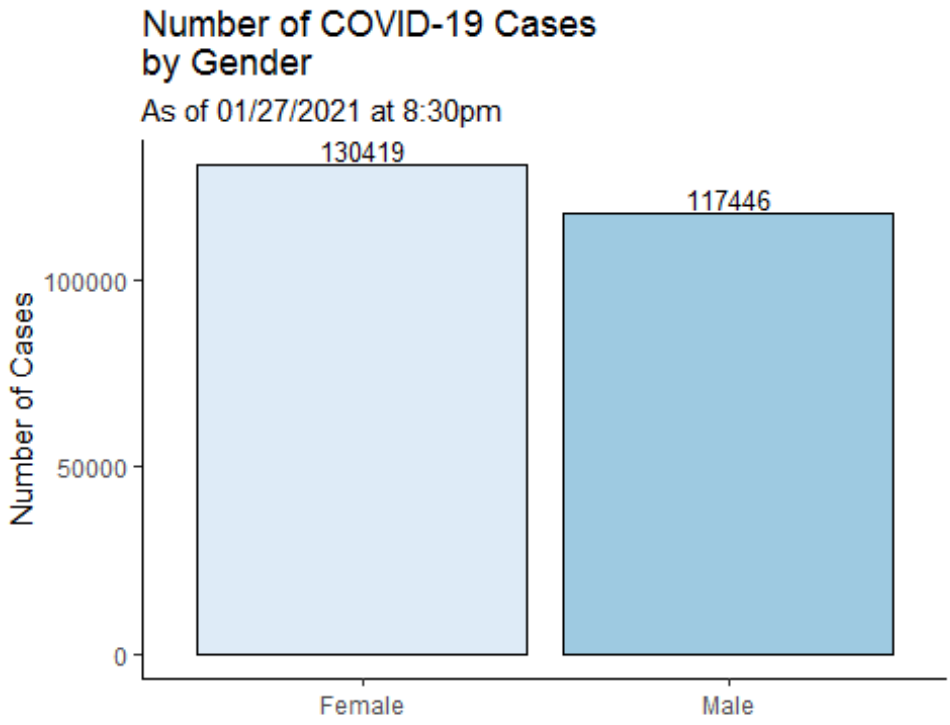
Characteristics of COVID-19 Cases and Associated Deaths

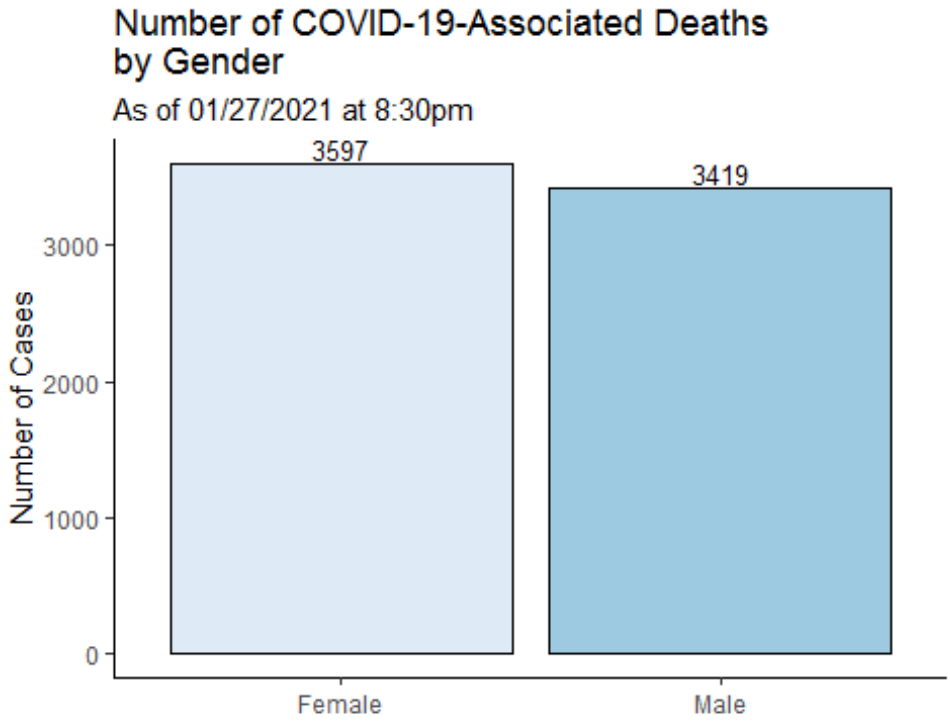
Counts may not add up to total case count because demographic data may be missing.





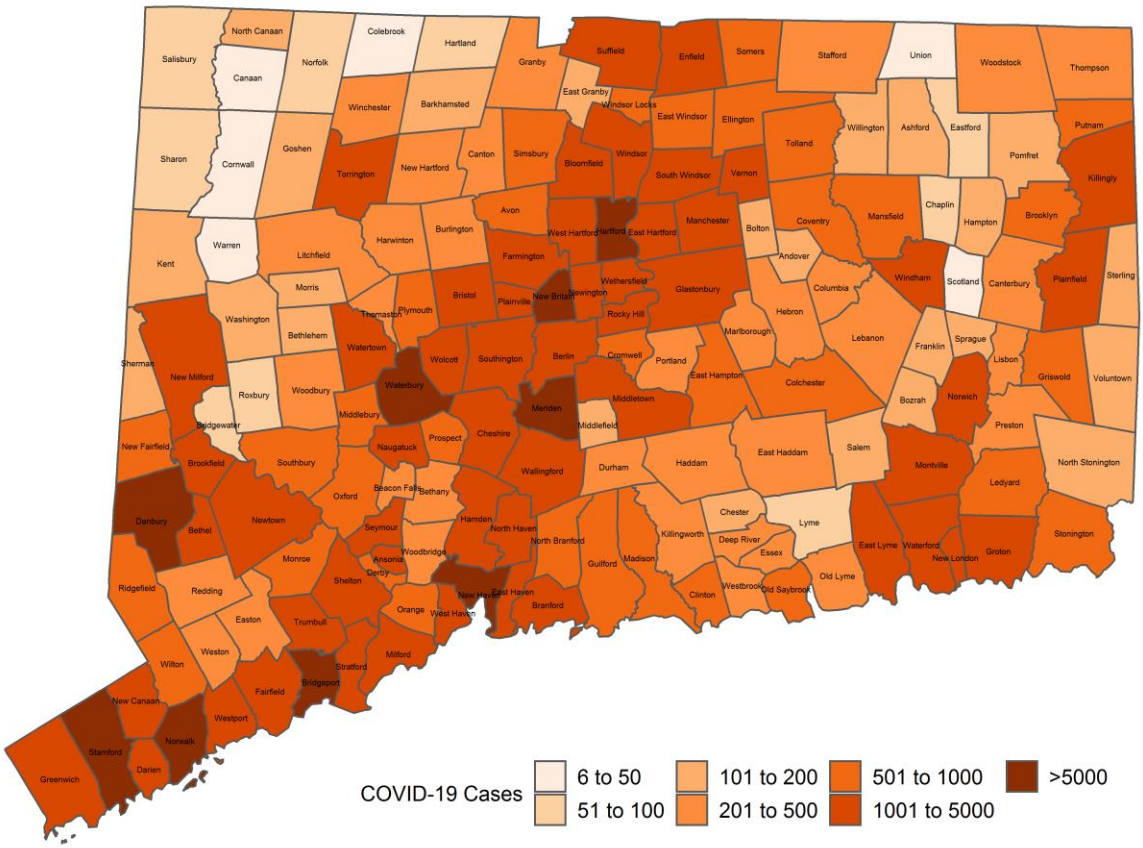
Counts may not add up to total case count because demographic data may be missing.





Cumulative Number of COVID-19 Cases by Town

Map does not include 830 cases pending address validation

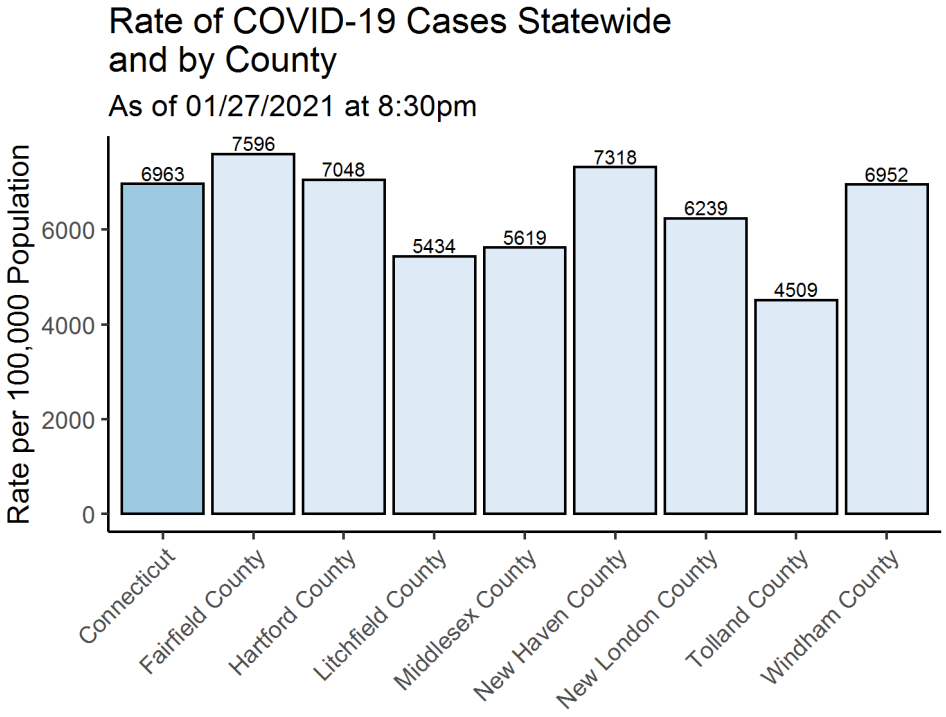


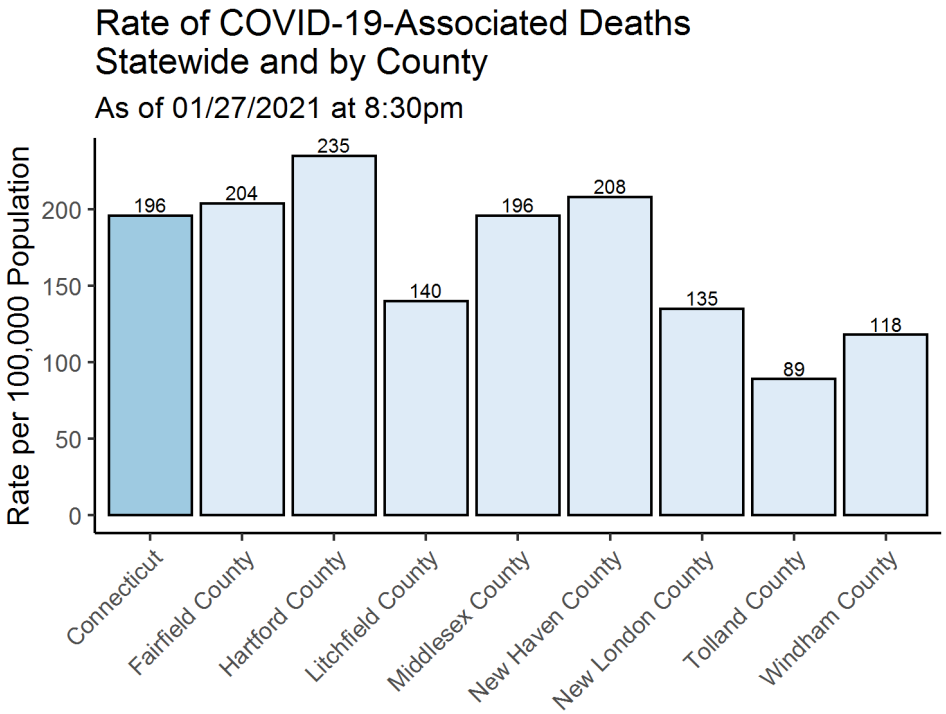
APPENDIX A. Cumulative Number of COVID-19 Cases by Town

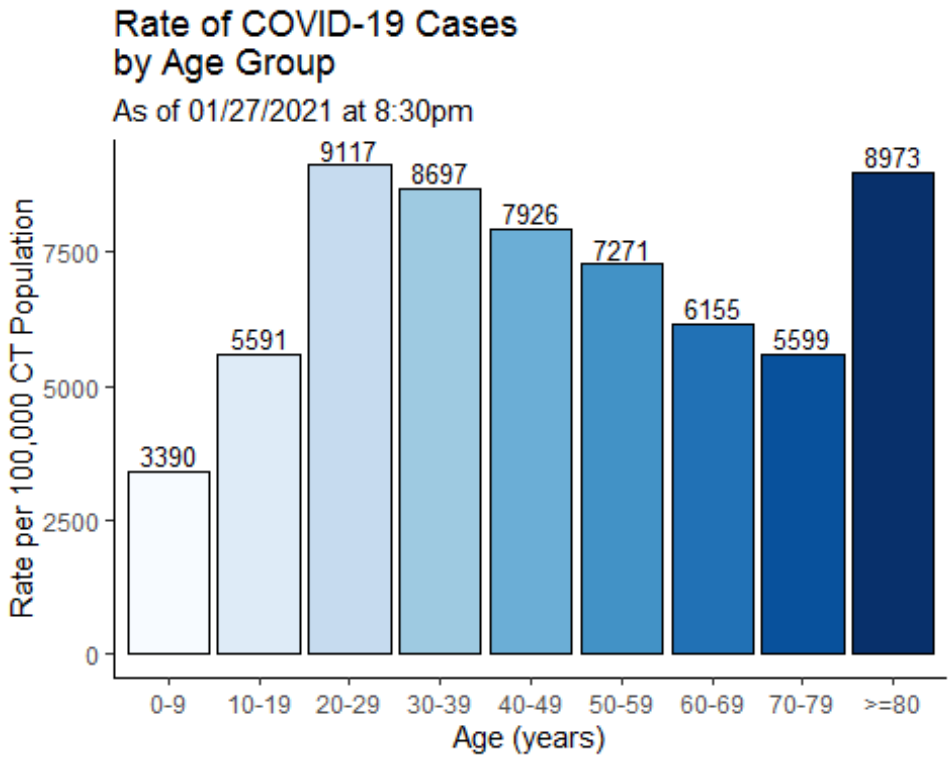
Table does not include 830 cases pending address validation

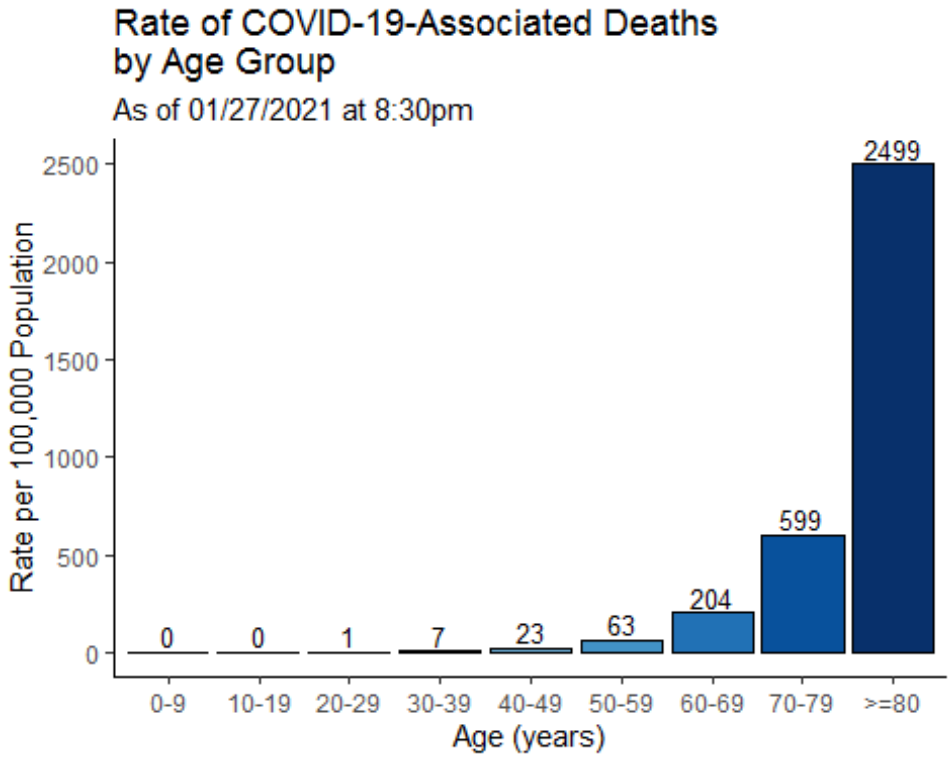
Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	116	10	Griswold	729	8	Prospect	570	44
Ansonia	1,198	129	Groton	1,917	88	Putnam	573	36
Ashford	187	4	Guilford	850	57	Redding	333	34
Avon	623	23	Haddam	350	21	Ridgefield	880	116
Barkhamsted	119	3	Hamden	3,745	325	Rocky Hill	1264	67
Beacon Falls	367	24	Hampton	132	1	Roxbury	61	14
Berlin	1,117	50	Hartford	12,449	396	Salem	159	1
Bethany	266	23	Hartland	67	1	Salisbury	97	3
Bethel	1,252	190	Harwinton	209	11	Scotland	34	0
Bethlehem	137	13	Hebron	351	20	Seymour	1101	81
Bloomfield	1,504	54	Kent	92	18	Sharon	72	1
Bolton	183	12	Killingly	1,223	47	Shelton	2428	216
Bozrah	169	1	Killingworth	225	16	Sherman	87	29
Branford	1,471	149	Lebanon	338	6	Simsbury	740	38
Bridgeport	13,457	704	Ledyard	732	9	Somers	684	49
Bridgewater	46	13	Lisbon	209	3	South Windsor	1155	48
Bristol	3,983	196	Litchfield	269	17	Southbury	928	69
Brookfield	927	192	Lyme	68	5	Southington	2358	228
Brooklyn	606	11	Madison	751	50	Sprague	168	2
Burlington	392	12	Manchester	3,461	176	Stafford	437	22
Canaan	6	0	Mansfield	898	97	Stamford	11172	466
Canterbury	308	4	Marlborough	281	18	Sterling	188	4
Canton	332	18	Meriden	5,545	319	Stonington	759	34
Chaplin	86	4	Middlebury	481	38	Stratford	3326	290
Cheshire	1,409	193	Middlefield	177	12	Suffield	864	192
Chester	163	7	Middletown	3,039	204	Thomaston	461	27
Clinton	612	32	Milford	3,016	281	Thompson	476	16
Colchester	842	53	Monroe	864	68	Tolland	651	37
Colebrook	28	2	Montville	1,308	27	Torrington	2412	75
Columbia	242	8	Morris	99	4	Trumbull	2079	171
Cornwall	38	0	Naugatuck	2,310	162	Union	29	1
Coventry	480	28	New Britain	7,301	297	Vernon	1453	87
Cromwell	882	52	New Canaan	946	60	Voluntown	152	1
Danbury	9,236	1,001	New Fairfield	651	98	Wallingford	3000	165
Darien	933	112	New Hartford	241	9	Warren	14	4
Deep River	210	15	New Haven	9,117	506	Washington	124	12
Derby	783	61	New London	2,524	36	Waterbury	10691	714
Durham	402	34	New Milford	1,226	330	Waterford	1189	39
East Granby	181	5	Newington	2,001	97	Watertown	1513	143
East Haddam	260	39	Newtown	1,149	180	West Hartford	3078	286
East Hampton	534	29	Norfolk	56	1	West Haven	3692	329
East Hartford	4,814	160	North Branford	705	88	Westbrook	321	23
East Haven	2,011	259	North Canaan	157	6	Weston	363	36
East Lyme	888	114	North Haven	1,413	163	Westport	1135	99
East Windsor	692	27	North Stonington	190	5	Wethersfield	2101	78
Eastford	67	1	Norwalk	7,934	429	Willington	182	11
Easton	267	19	Norwich	3,180	25	Wilton	721	78
Ellington	689	28	Old Lyme	249	5	Winchester	441	4
Enfield	2,492	70	Old Saybrook	625	34	Windham	2454	54
Essex	315	23	Orange	676	73	Windsor	2099	87
Fairfield	3,310	370	Oxford	588	35	Windsor Locks	779	19
Farmington	1,030	59	Plainfield	1,005	20	Wolcott	1237	94
Franklin	160	0	Plainville	1,043	82	Woodbridge	366	39
Glastonbury	1,460	77	Plymouth	617	41	Woodbury	417	30
Goshen	105	4	Pomfret	195	5	Woodstock	388	7
Granby	376	15	Portland	462	23			
Greenwich	3,049	240	Preston	250	2			

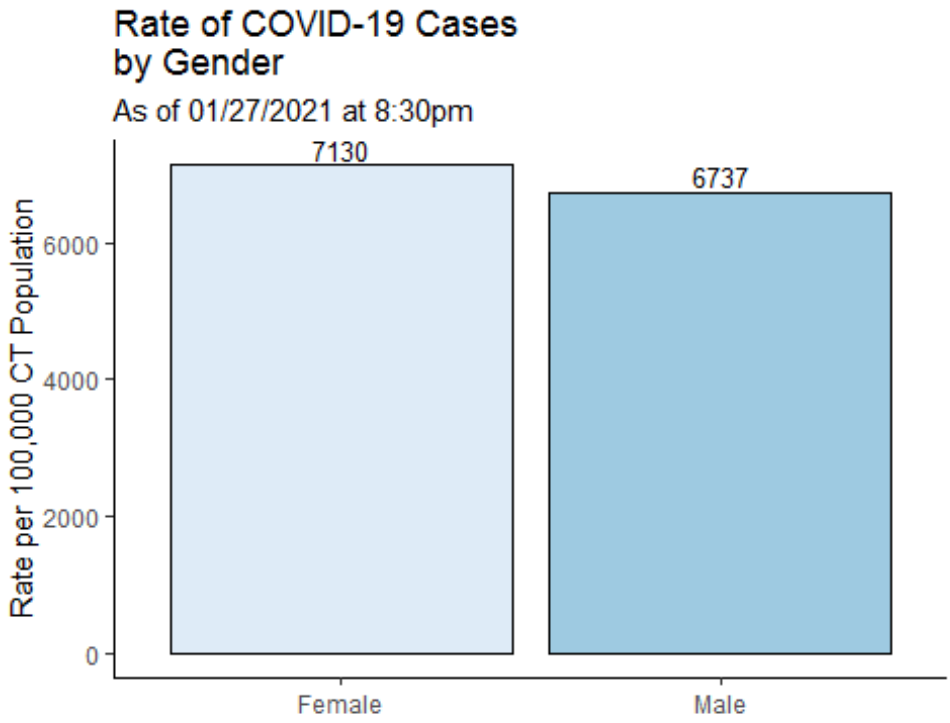
APPENDIX B. The following graphs show the number of cases per 100,000 Connecticut residents statewide and by county, age group, and gender. Population estimate from: [DPH Population Statistics]

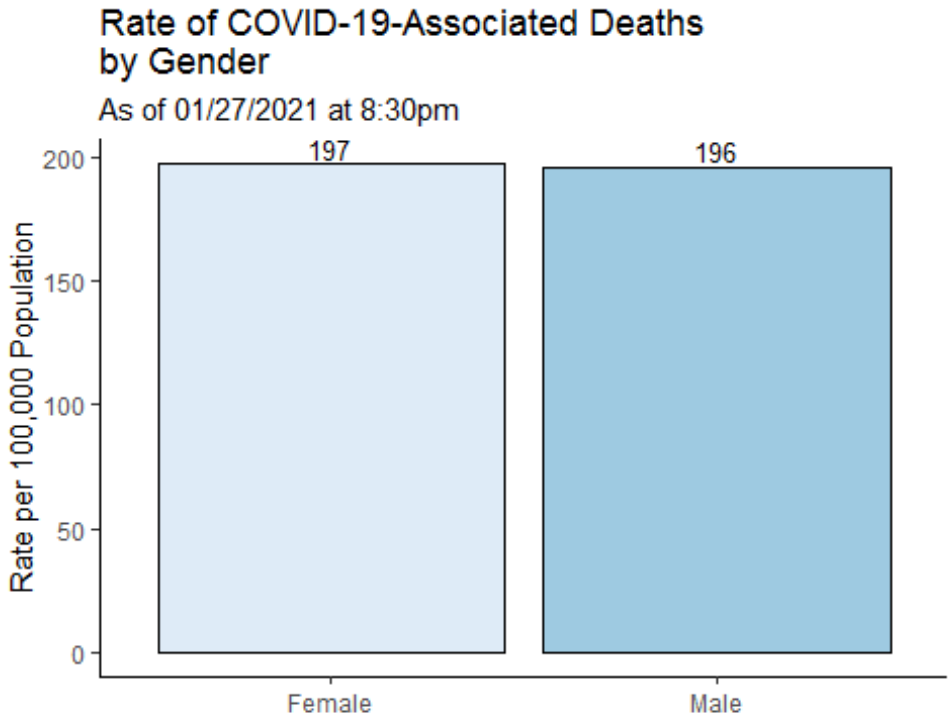




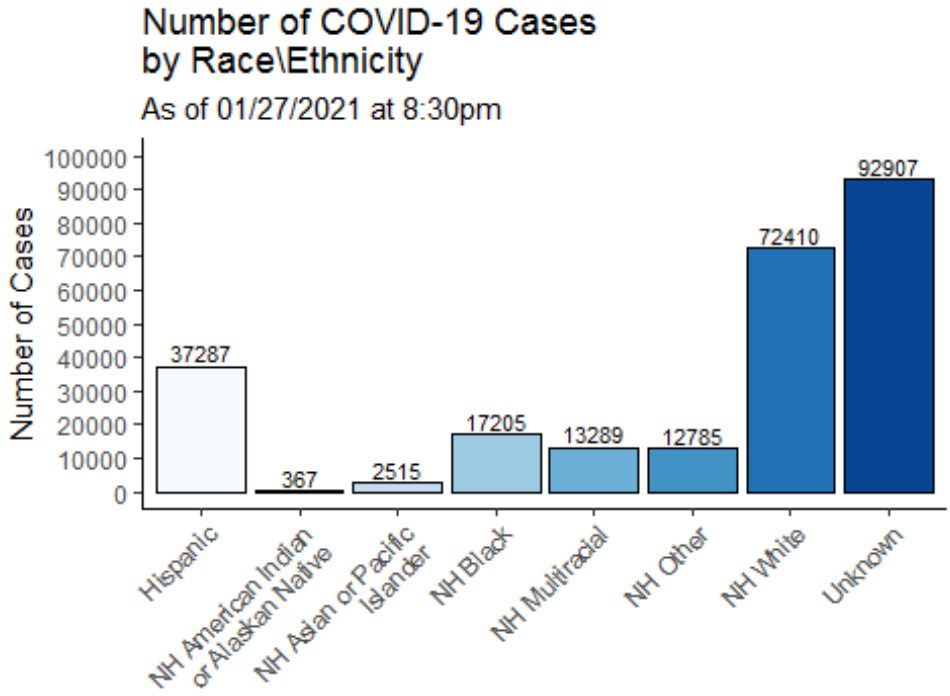

Rate of COVID-19 Cases
by Age Group
As of 01/27/2021 at 8:30pm
Rate per 100,000 CT Population
0
2500
5000
7500
3390
5591
9117
8697
7926
7271
6155
5599
8973
0-9
10-19
20-29
30-39
40-49
50-59
60-69
70-79
>=80
Age (years)

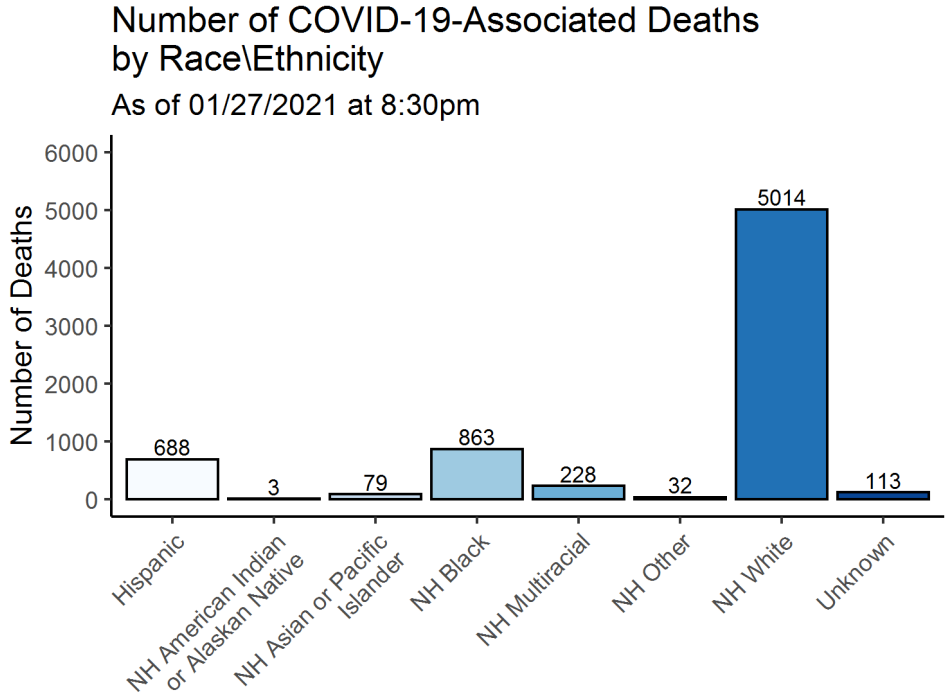

Rate of COVID-19-Associated Deaths
by Age Group
As of 01/27/2021 at 8:30pm
Rate per 100,000 Population
0
500
1000
1500
2000
2500
0
0
1
7
23
63
204
599
2499
0-9
10-19
20-29
30-39
40-49
50-59
60-69
70-79
>=80
Age (years)


Rate of COVID-19 Cases
by Gender
As of 01/27/2021 at 8:30pm
7130
6737
Rate per 100,000 CT Population
6000
4000
2000
0
Female
Male


Rate of COVID-19-Associated Deaths
by Gender
As of 01/27/2021 at 8:30pm
197
196
Rate per 100,000 Population
200
150
100
50
0
Female
Male

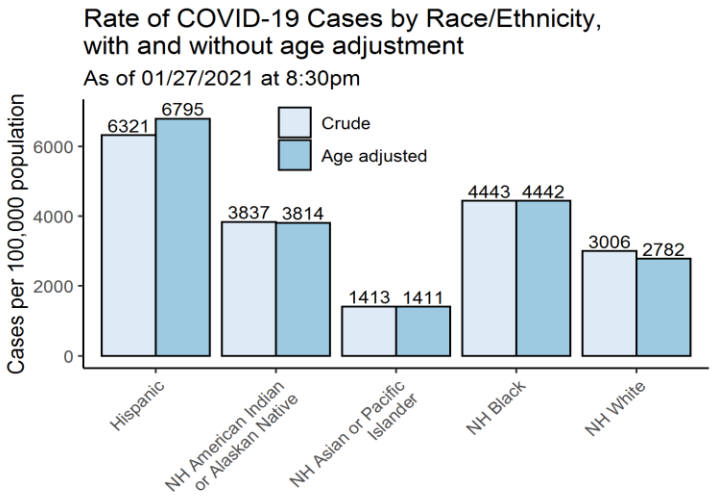
APPENDIX C. The following graphs show the number of cases and deaths by race and ethnicity. *Categories are mutually exclusive. The category "multiracial" includes people who answered 'yes' to more than one race category. NH=Non-Hispanic*

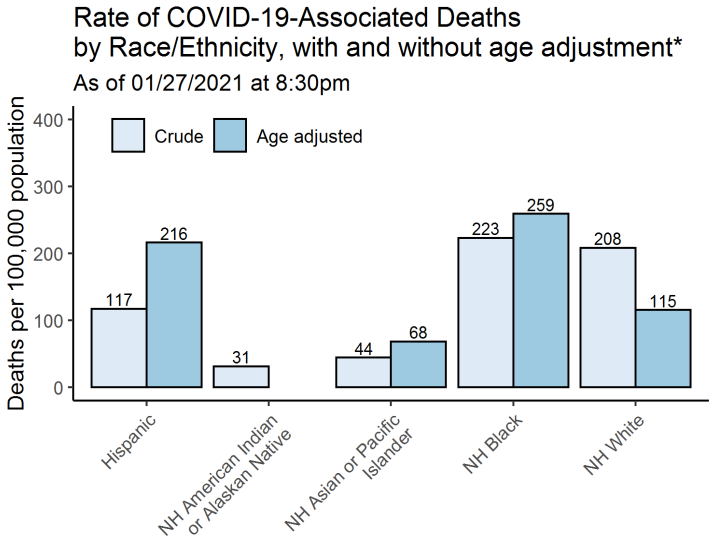




The following graphs show the number of COVID-19 cases and COVID-19-associated deaths per 100,000 population by race and ethnicity. Crude rates represent the total cases or deaths per 100,000 people. Age-adjusted rates consider the age of the person at diagnosis or death when estimating the rate and 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*