COVID-19 Update January 14, 2021

As of **January 13, 2021, at 8:30 PM**, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is **221544**, including **208489** laboratory-confirmed and **13055** probable cases. **One thousand one hundred eighteen** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **6553** 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)	221544	+968
COVID-19 Tests Reported (molecular and antigen)	4837404	+22171
Daily Test Positivity*		4.37%
Patients Currently Hospitalized with COVID-19	1118	-30
COVID-19-Associated Deaths	6553	+17

*Includes confirmed plus probable cases

COVID-19 Cases and Associated Deaths by County of Residence a*s of 01/13/21 8:30pm.*

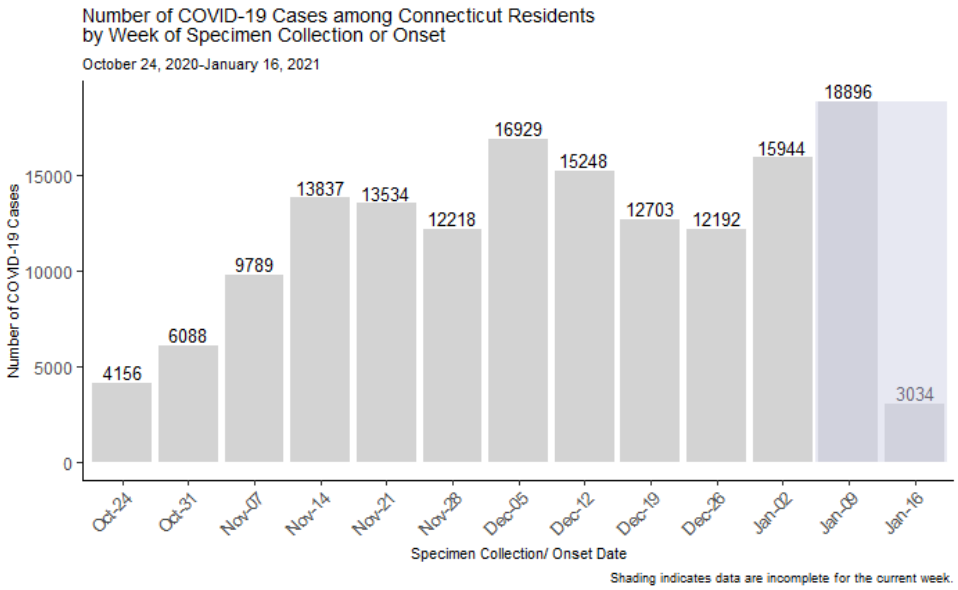
County	COVID-19 Cases		COVID-19-Associated Deaths	
	Confirmed	Probable	Confirmed	Probable
Fairfield County	60,528	4,698	1,438	387
Hartford County	53,488	2,438	1,597	384
Litchfield County	8,132	664	212	31
Middlesex County	7,577	464	223	67
New Haven County	52,128	3,815	1,437	248
New London County	13,669	331	229	75
Tolland County	5,544	367	96	26
Windham County	6,697	182	84	15
Pending address validation	726	96	3	1
Total	**208489**	**13055**	**5319**	**1234**

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

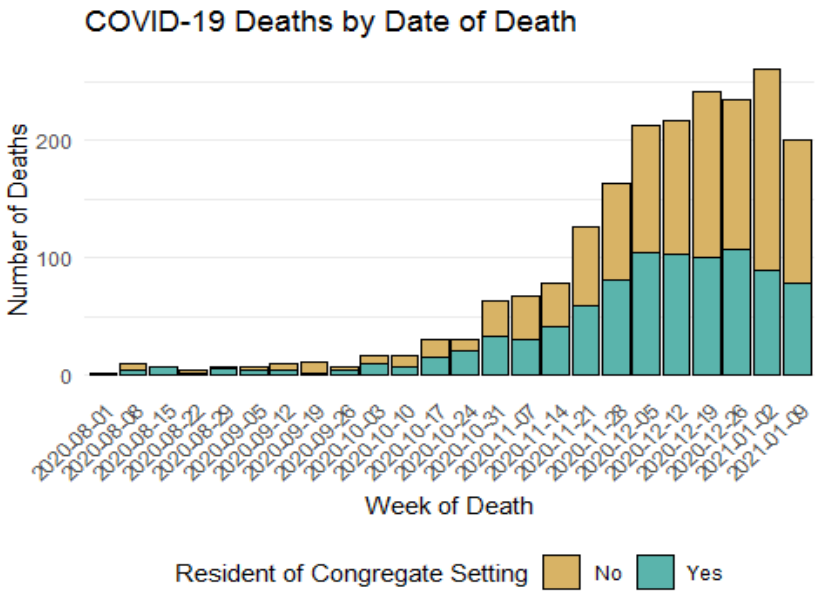
Day-to-day changes reflect newly reported cases, deaths, and tests that occurred over the last several days to week. All data in this report are preliminary; data for previous dates will be updated as new reports are received and data errors are corrected. Hospitalization data were collected by the Connecticut 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 (December 27-January 09), there were 34,840 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.

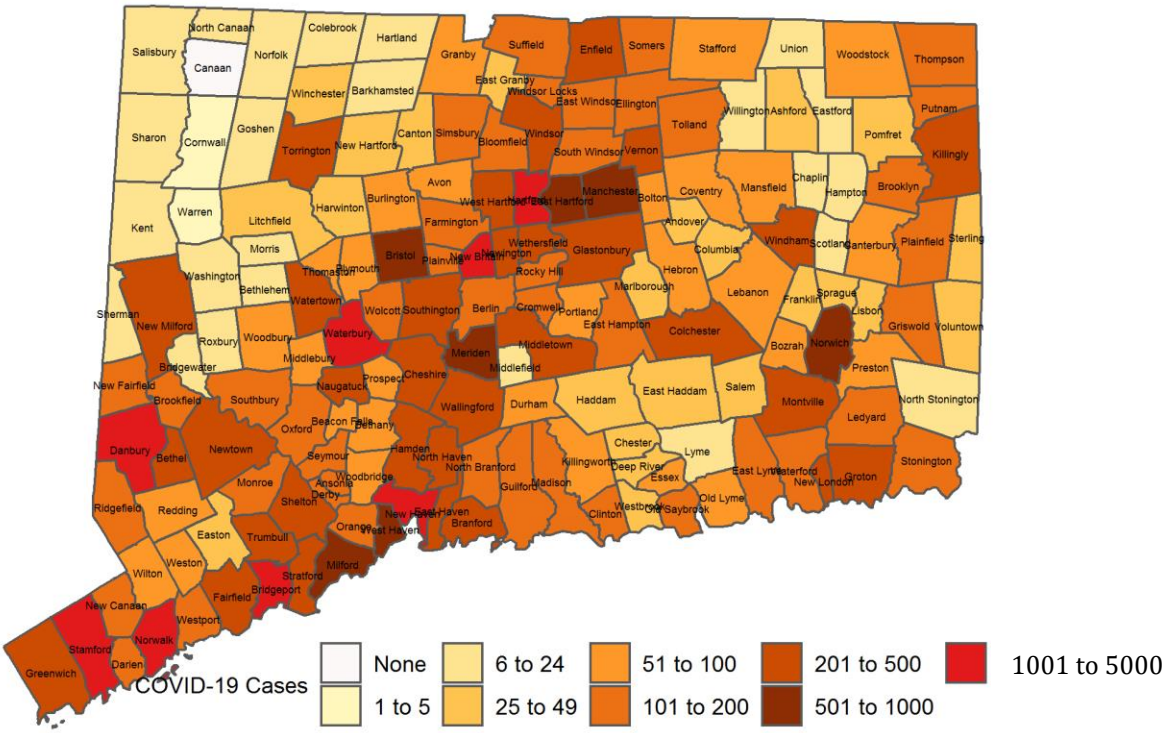


Community Transmission of COVID-19

Among 34,840 new COVID-19 cases with specimen collection or onset date during December 27-January 09, there were 34,256 cases among people living in community settings, as shown in the map below. This corresponds to an average of 68.49 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 90 towns.

Number of COVID-19 Cases among People Living in Community Settings by Town with Specimen Collection or Onset Date During December 27-January 09

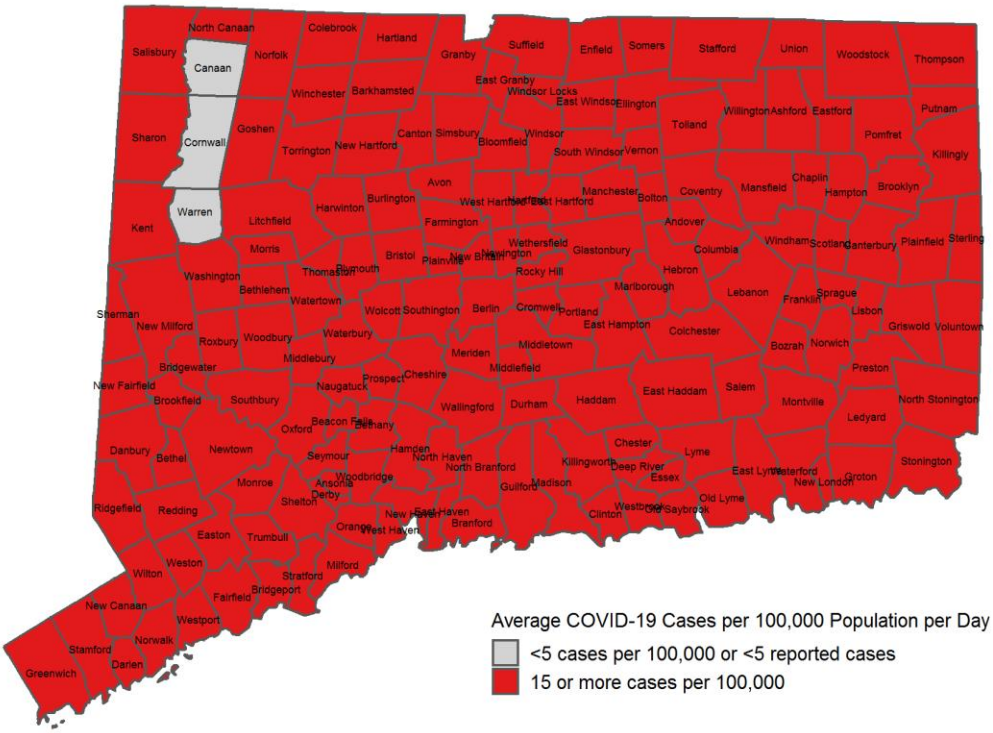


Map does not include 155 *cases pending address validation*

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 December 27-January 09, 166 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 December 27-January 09



Map does not include 155 *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 December 27-January 09, 2020

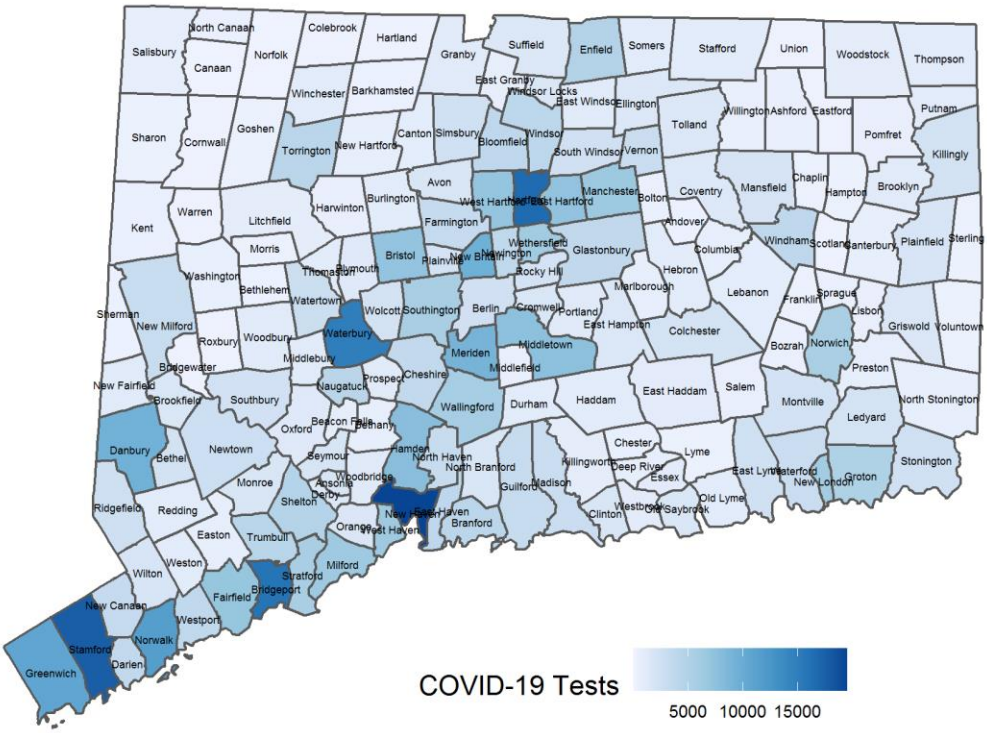
Map does not include 155 *cases pending address validation*

Town	Population	Cases	Rate	Town	Population	Cases	Rate	Town	Population	Cases	Rate
Andover	3,231	26	58	Griswold	11,591	148	91	Prospect	9790	69	50.3
Ansonia	18,721	130	50	Groton	38,692	364	67	Putnam	9395	200	152.1
Ashford	4,261	44	74	Guilford	22,216	166	53	Redding	9125	69	54
Avon	18,302	64	25	Haddam	8,222	45	39	Ridgefield	25008	139	39.7
Barkhamsted	3,624	21	41	Hamden	60,940	494	58	Rocky Hill	20145	167	59.2
Beacon Falls	6,182	68	79	Hampton	1,853	21	81	Roxbury	2160	10	33.1
Berlin	20,432	199	70	Hartford	122,587	1,565	91	Salem	4123	31	53.7
Bethany	5,479	57	74	Hartland	2,120	19	64	Salisbury	3598	15	29.8
Bethel	19,714	234	85	Harwinton	5,430	32	42	Scotland	1685	18	76.3
Bethlehem	3,422	21	44	Hebron	9,482	58	44	Seymour	16509	171	74
Bloomfield	21,301	144	48	Kent	2,785	14	36	Sharon	2703	10	26.4
Bolton	4,890	51	74	Killingly	17,287	252	104	Shelton	41097	304	52.8
Bozrah	2,537	62	175	Killingworth	6,370	57	64	Sherman	3614	13	25.7
Branford	28,005	241	62	Lebanon	7,207	77	76	Simsbury	24979	102	29.2
Bridgeport	144,900	1,267	62	Ledyard	14,736	135	65	Somers	10834	105	69.2
Bridgewater	1,641	8	35	Lisbon	4,248	43	72	South Windsor	26054	168	46.1
Bristol	60,032	658	78	Litchfield	8,127	35	31	Southbury	19656	119	43.2
Brookfield	17,002	166	70	Lyme	2,338	24	73	Southington	43807	407	66.4
Brooklyn	8,280	115	99	Madison	18,106	131	52	Sprague	2889	30	74.2
Burlington	9,665	56	41	Manchester	57,699	578	72	Stafford	11884	72	43.3
Canaan	1,055	0	0	Mansfield	25,817	83	23	Stamford	129775	1436	79
Canterbury	5,100	55	77	Marlborough	6,358	38	43	Sterling	3780	38	71.8
Canton	10,270	38	26	Meriden	59,540	797	96	Stonington	18449	155	60
Chaplin	2,256	17	54	Middlebury	7,731	66	61	Stratford	51967	456	62.7
Cheshire	29,179	220	54	Middlefield	4,380	13	21	Suffield	15743	139	63.1
Chester	4,229	31	52	Middletown	46,146	436	68	Thomaston	7560	63	59.5
Clinton	12,950	114	63	Milford	54,661	570	74	Thompson	9395	141	107.2
Colchester	15,936	210	94	Monroe	19,470	126	46	Tolland	14655	106	51.7
Colebrook	1,405	6	30	Montville	18,716	252	96	Torrington	34228	295	61.6
Columbia	5,385	37	49	Morris	2,262	13	41	Trumbull	35802	299	59.7
Cornwall	1,368	4	21	Naugatuck	31,288	343	78	Union	840	6	51
Coventry	12,414	90	52	New Britain	72,453	1,036	102	Vernon	29303	222	54.1
Cromwell	13,905	134	69	New Canaan	20,213	185	65	Voluntown	2535	48	135.2
Danbury	84,730	1,143	96	New Fairfield	13,877	131	67	Wallingford	44535	415	66.6
Darien	21,753	176	58	New Hartford	6,685	38	41	Warren	1399	4	20.4
Deep River	4,463	39	62	New Haven	130,418	1,142	62	Washington	3434	17	35.4
Derby	12,515	103	59	New London	26,939	448	119	Waterbury	108093	1269	83.9
Durham	7,195	71	70	New Milford	26,974	224	59	Waterford	18887	188	71.1
East Granby	5,147	38	53	Newington	30,112	307	73	Watertown	21641	206	68
East Haddam	8,988	40	32	Newtown	27,774	222	57	West Hartford	62939	356	40.4
East Hampton	12,854	108	60	Norfolk	1,640	6	26	West Haven	54879	545	70.9
East Hartford	49,998	710	101	North Branford	14,158	130	66	Westbrook	6914	33	34.1
East Haven	28,699	339	84	North Canaan	3,254	22	48	Weston	10247	60	41.8
East Lyme	18,645	148	57	North Haven	23,691	243	73	Westport	28115	151	38.4
East Windsor	11,375	104	65	North Stonington	5,243	23	31	Wethersfield	26082	410	112.3
Eastford	1,790	14	56	Norwalk	89,047	1,017	82	Willington	5887	25	30.3
Easton	7,517	46	44	Norwich	39,136	608	111	Wilton	18397	93	36.1
Ellington	16,299	134	59	Old Lyme	7,366	53	51	Winchester	10655	47	31.5
Enfield	44,466	408	66	Old Saybrook	10,087	105	74	Windham	24706	392	113.3
Essex	6,674	72	77	Orange	13,949	130	67	Windsor	28760	297	73.8
Fairfield	61,952	380	44	Oxford	13,226	113	61	Windsor Locks	12876	162	89.9
Farmington	25,506	175	49	Plainfield	15,173	192	90	Wolcott	16649	170	72.9
Franklin	1,933	28	104	Plainville	17,623	144	58	Woodbridge	8805	57	46.2
Glastonbury	34,491	220	46	Plymouth	11,645	88	54	Woodbury	9537	63	47.2
Goshen	2,879	11	27	Pomfret	4,204	50	85	Woodstock	7862	98	89
Granby	11,375	69	43	Portland	9,305	89	68				
Greenwich	62,727	464	53	Preston	4,638	53	82				

COVID-19 Molecular and Antigen Tests during December 27-January 09

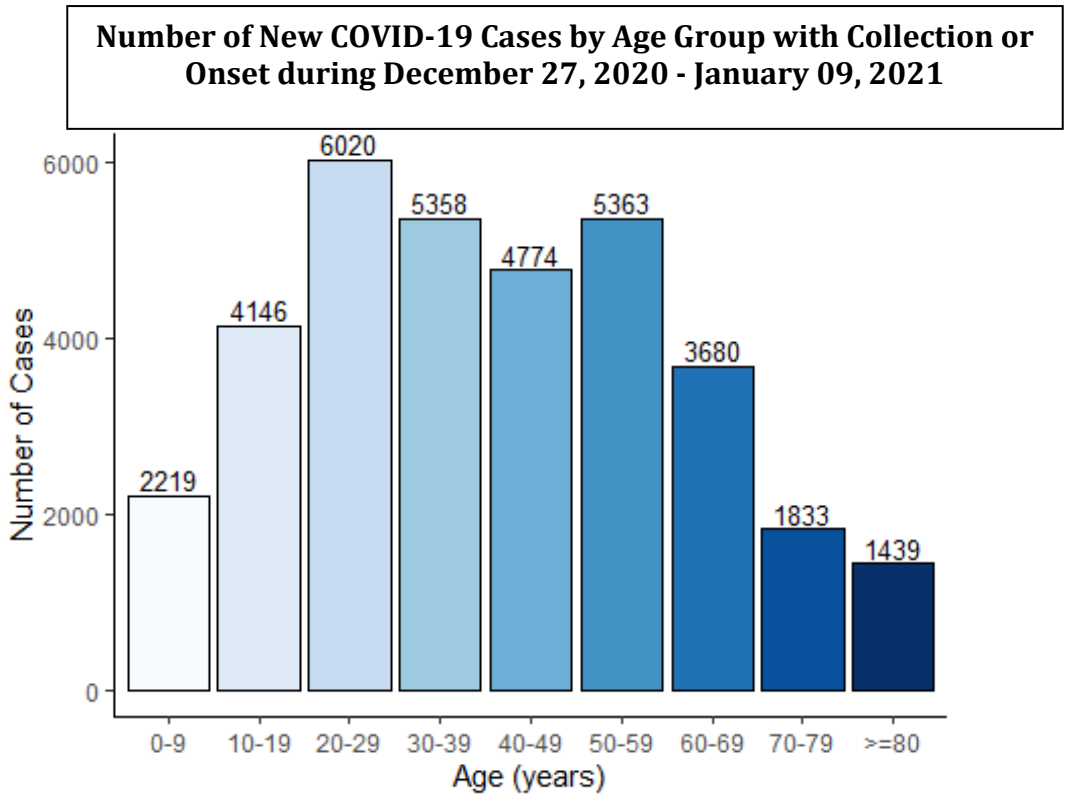
Among 486,157 molecular and antigen tests for COVID-19 with specimen collection date during December 27-January 09, 453,376 (93%) tests were conducted among people who did not reside in congregate settings (including nursing homes, assisted living, and correctional facilities). Of these 453376 tests, 39716 (9%) were positive. The map below shows the number of molecular and antigen COVID-19 tests by town with specimen collection date during December 27-January 09 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 December 27-January 09



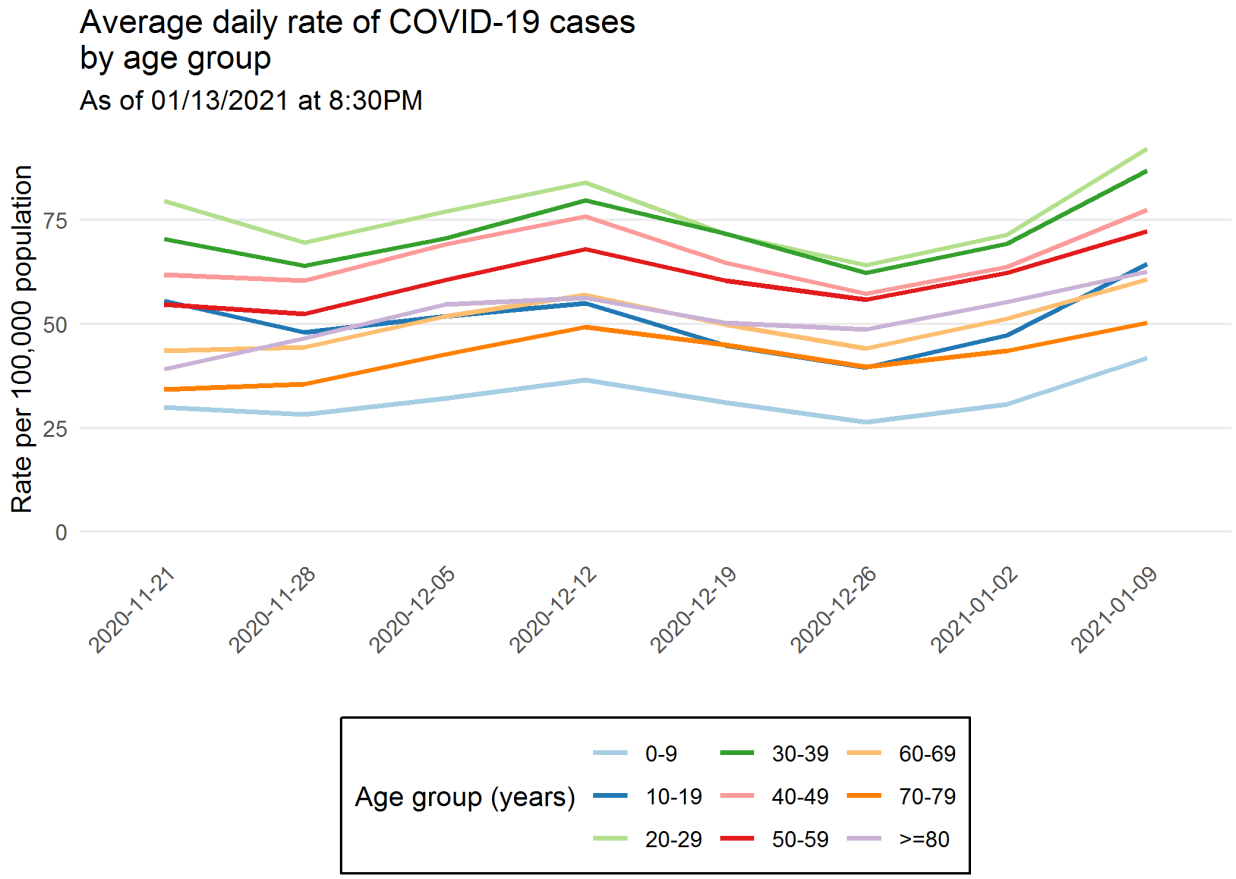
Map does not include tests pending address validation

Age Distribution of COVID-19 Cases with Specimen Collection or Onset During December 27, 2020 - January 09, 2021



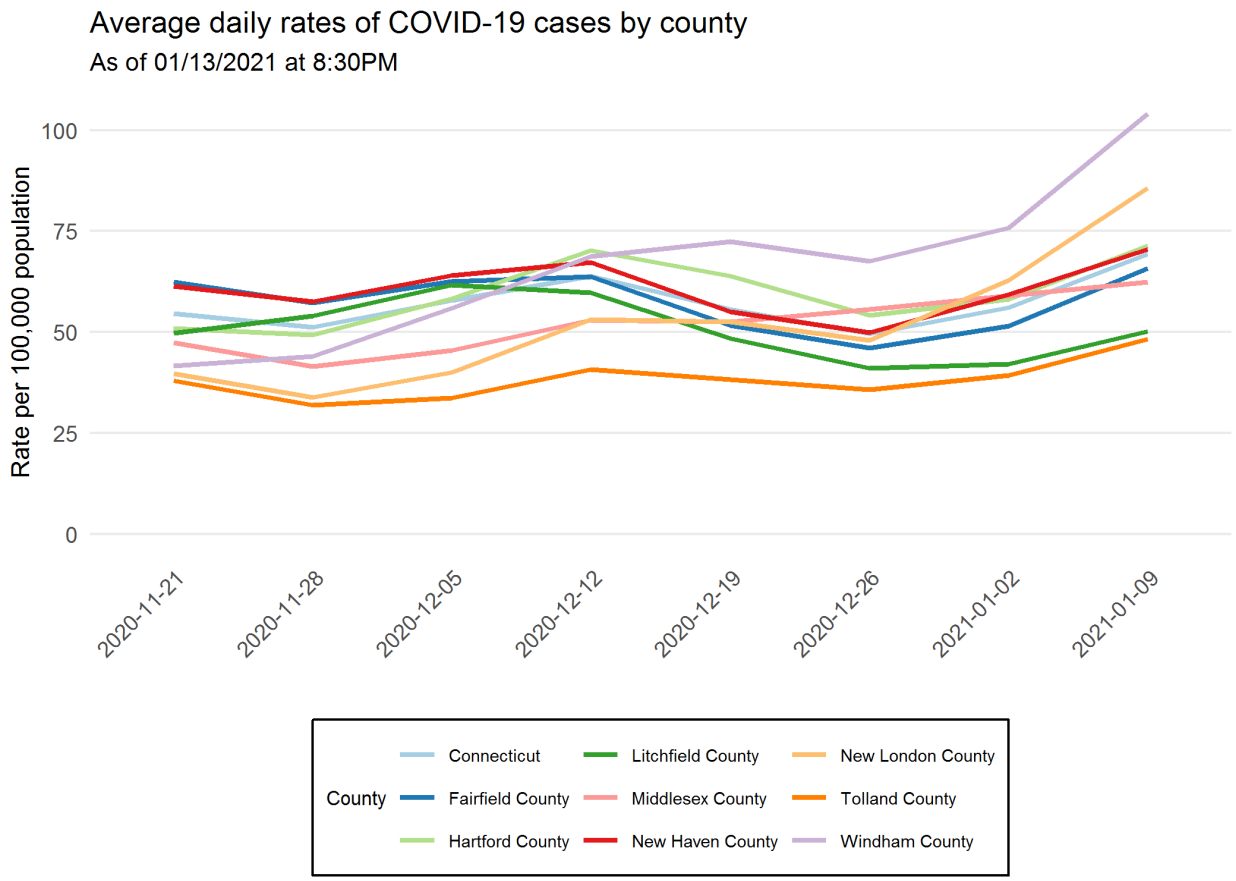
Average Daily Incidence by Age Group

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.



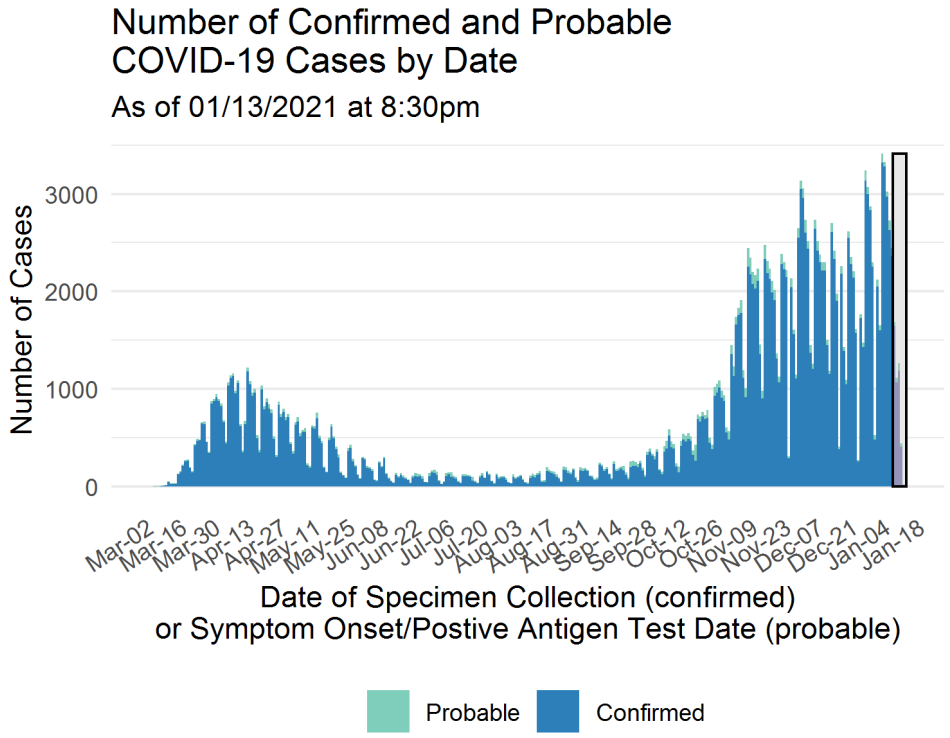
Average Daily Incidence by County

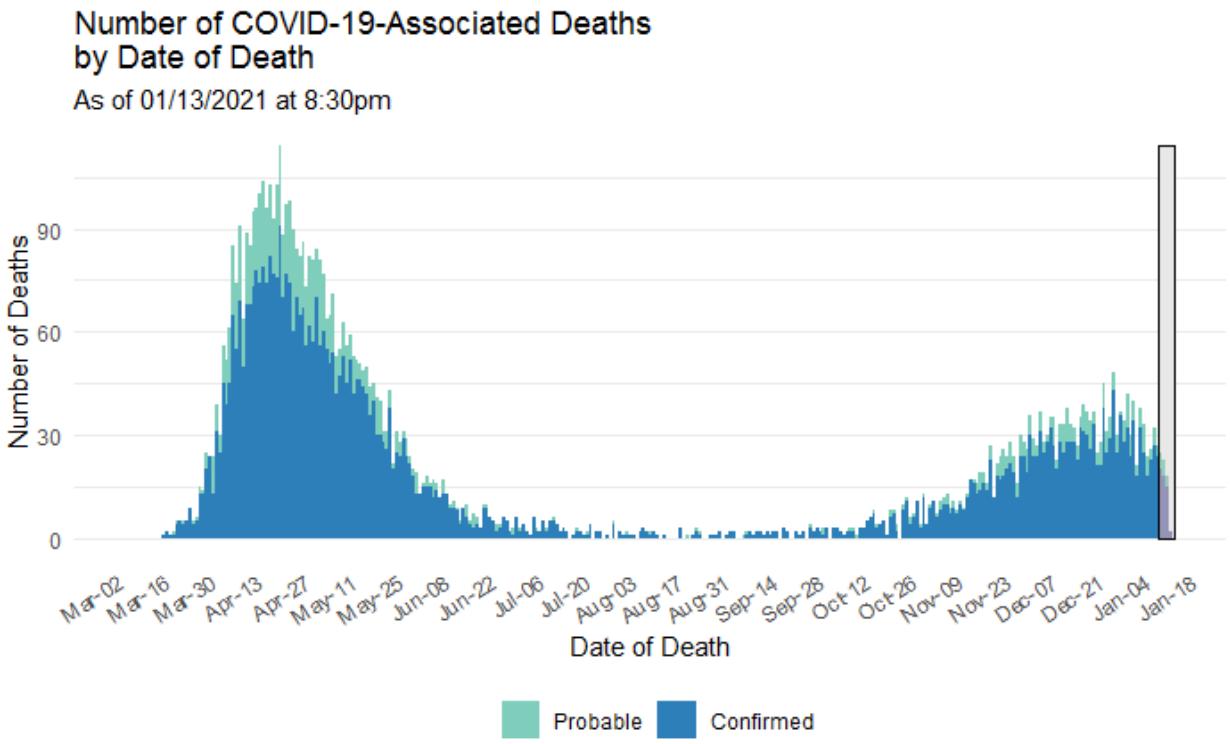
The chart below shows the average number of new COVID-19 cases per day per 100,000 population in the state of Connecticut and for each Connecticut county. The rates in this chart are calculated by averaging the number of new cases diagnosed each day during the previous two weeks, dividing by the annual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



Cumulative Number of COVID-19 Cases and COVID-19-Associated Death 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.



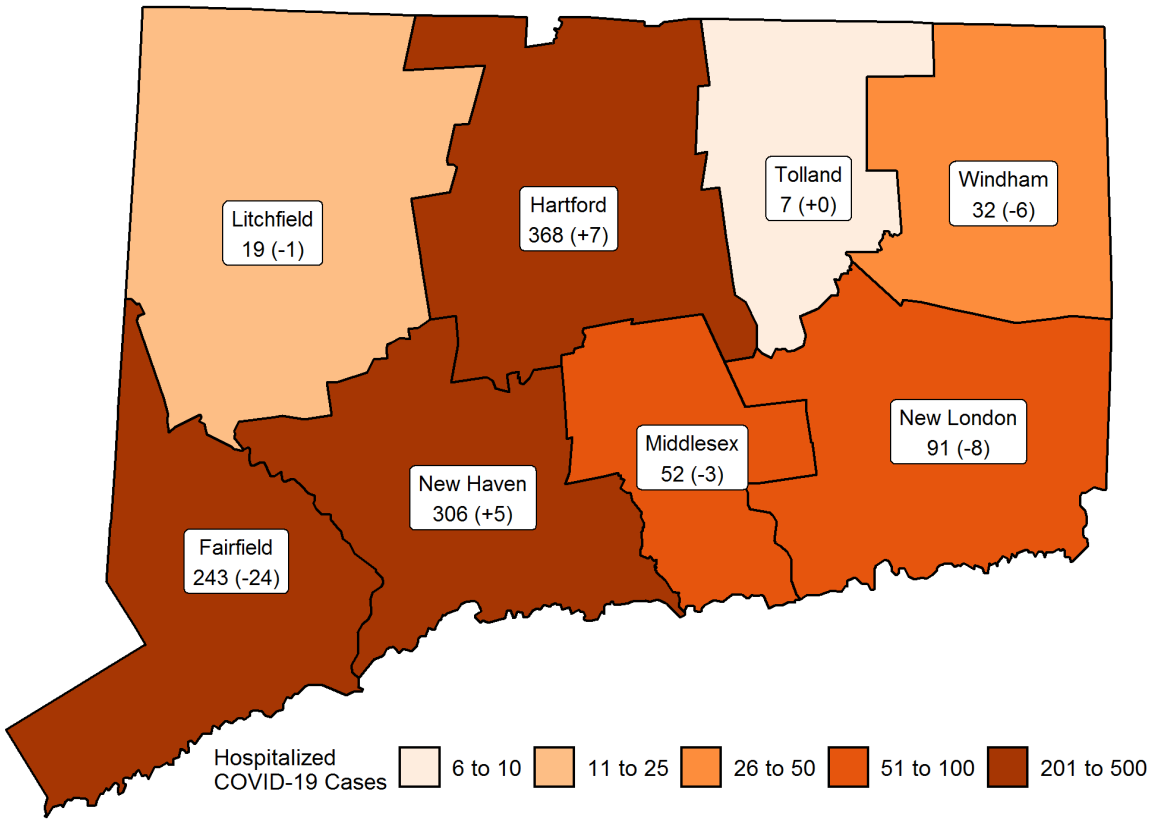


Hospitalization Surveillance

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

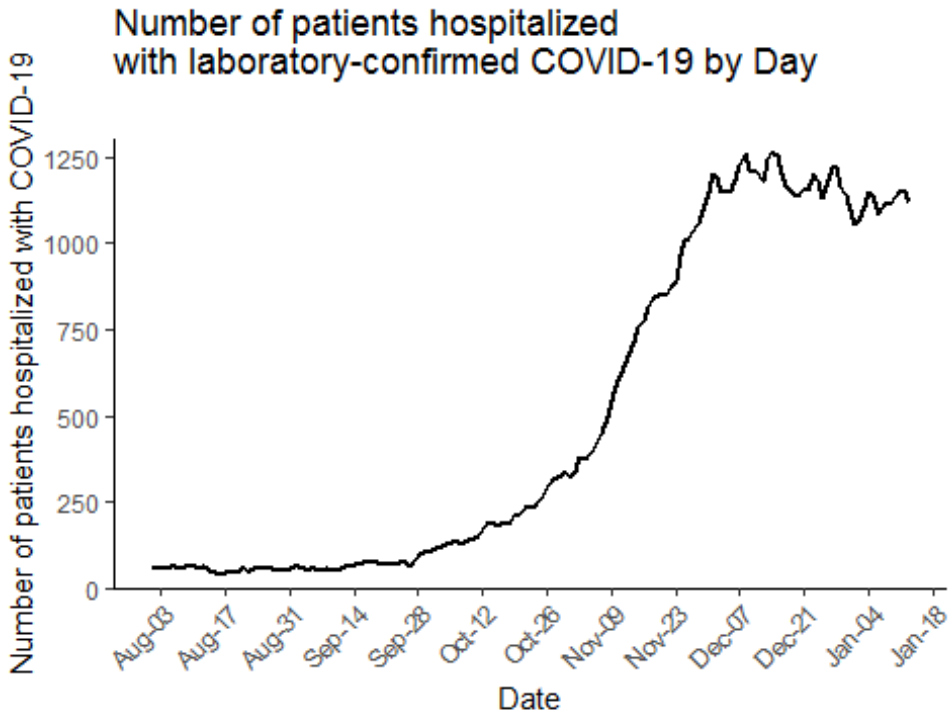
Distribution by location of hospital not patient residence. Data from the Connecticut Hospital Association.



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

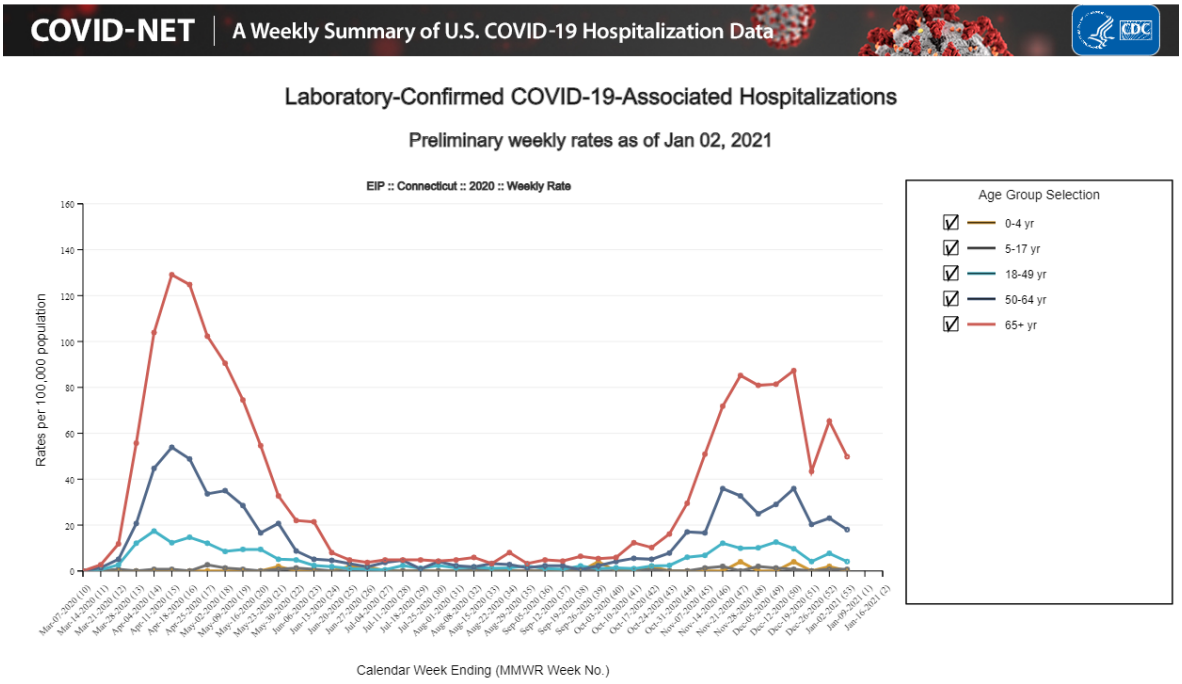


Weekly hospitalizations by age group in New Haven and Middlesex Counties

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.

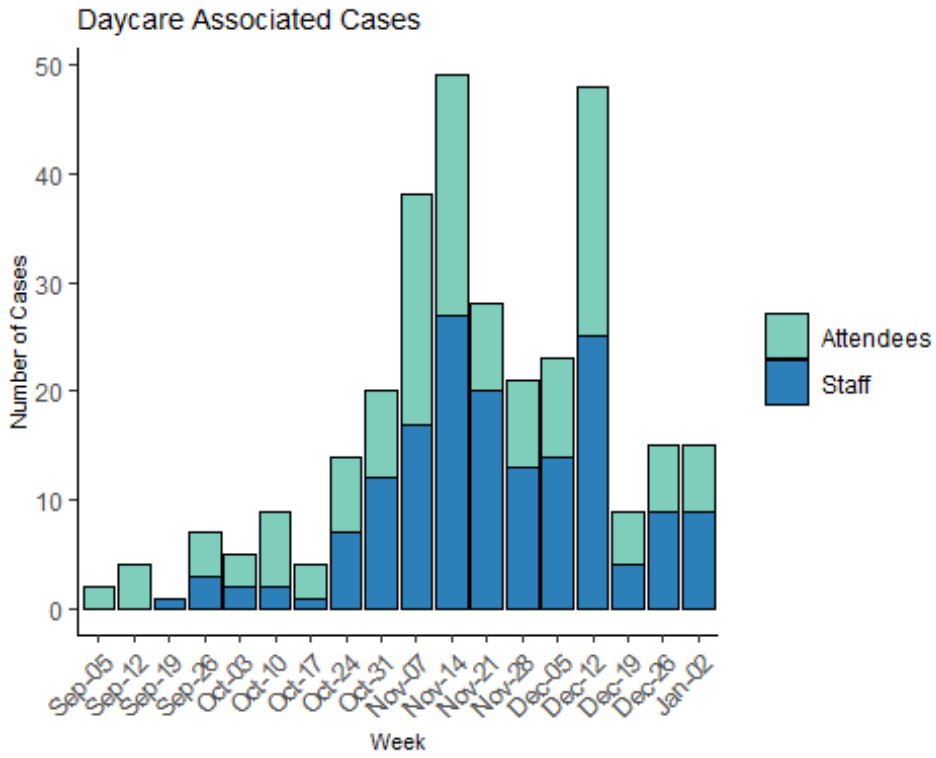
COVID-NET hospitalization data are preliminary and subject to change as more data become available. In particular, case counts and rates for recent hospital admissions are subject to lag. As data are received each week, prior case counts and rates are updated.



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.

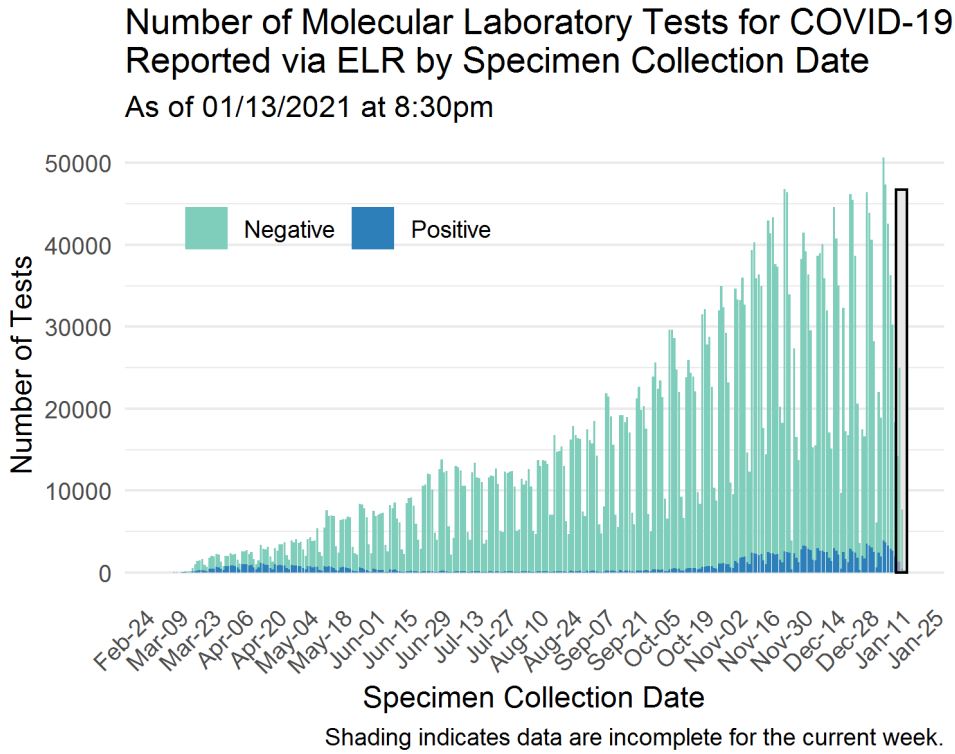


Laboratory Surveillance

Molecular Tests

To date, DPH has received reports on a total of 4,650,511 molecular COVID-19 laboratory tests; of these 4,304,486 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.



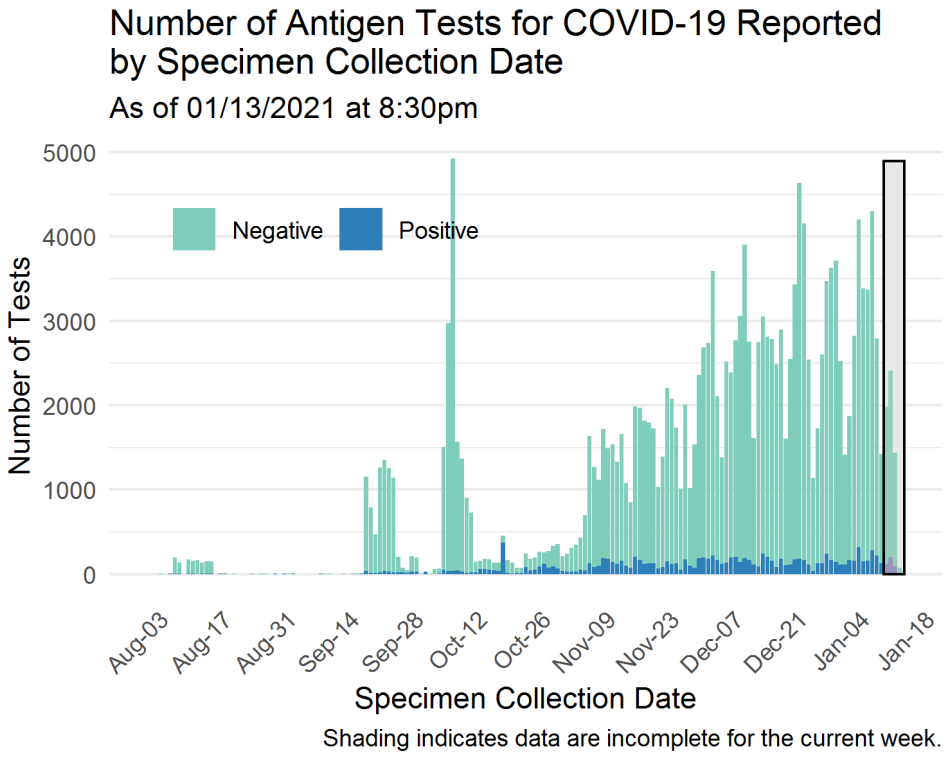
Testing of recently collected specimens is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.

ELR = Electronic Laboratory Reporting

Antigen Tests

To date, DPH has received reports on a total of 186,893 COVID-19 antigen laboratory tests. The chart below shows the number of antigen tests reported to DPH by specimen collection date and test result.

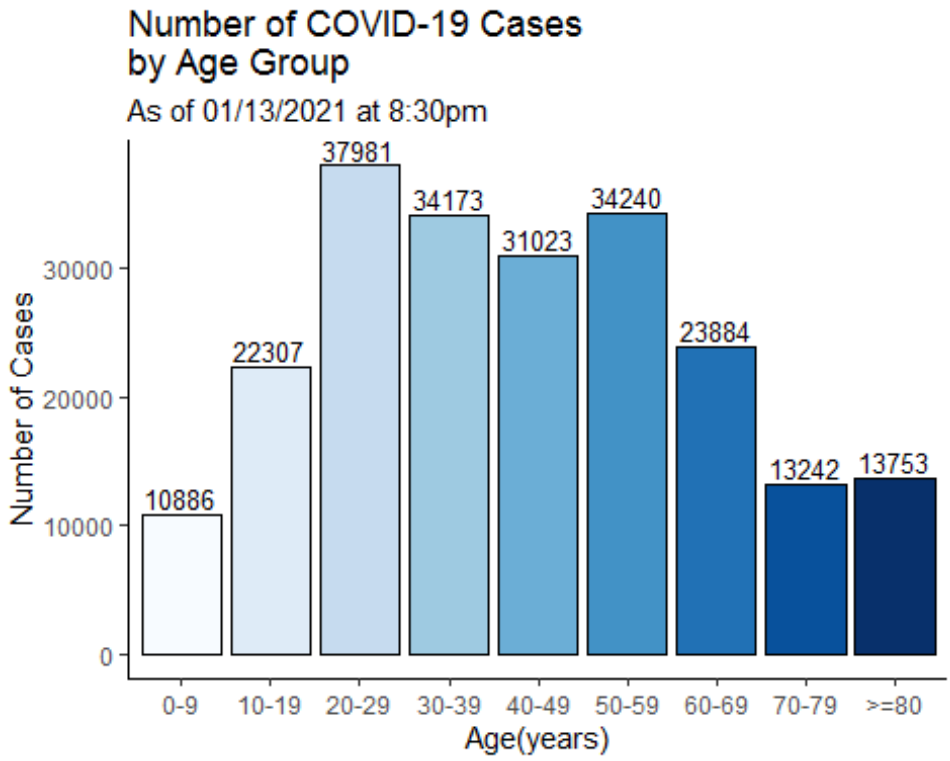
Test results may be reported several days after specimen collection. Data are incomplete for most recent dates shaded in grey. Data for previous dates are routinely updated.

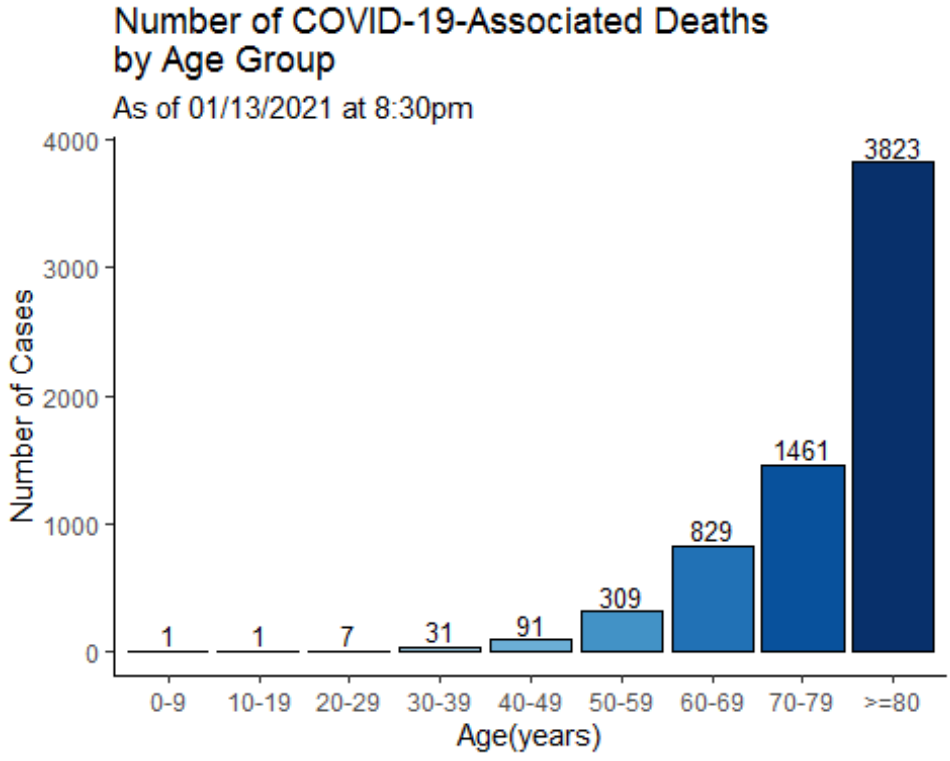


Testing of recently collected specimens is ongoing and does not reflect a decrease in testing.

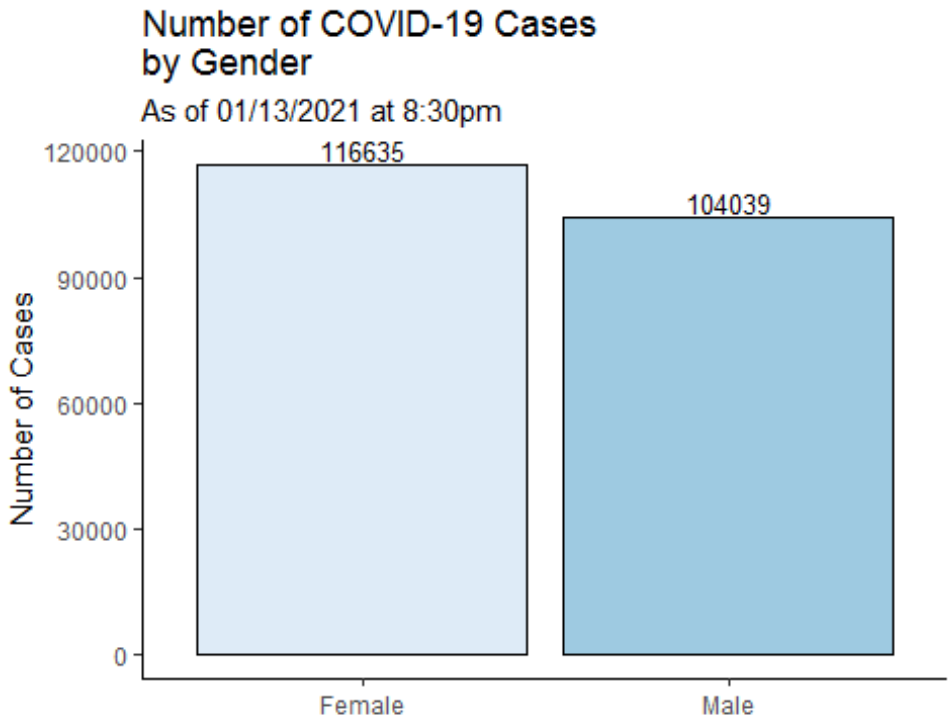
Characteristics of COVID-19 Cases and Associated Deaths

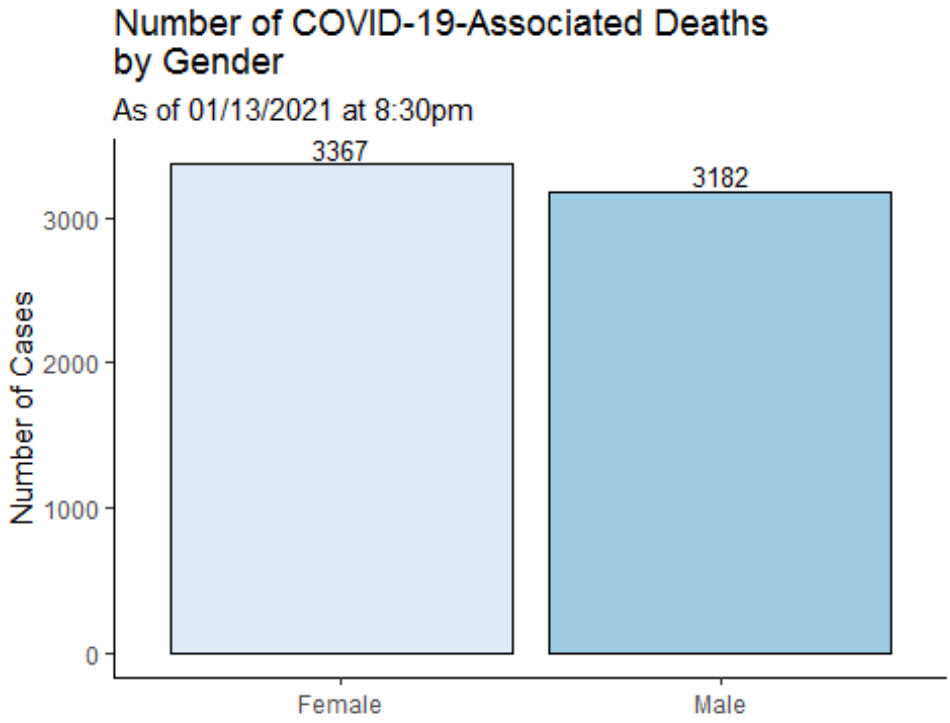
Counts may not add up to total case count because demographic data may be missing.





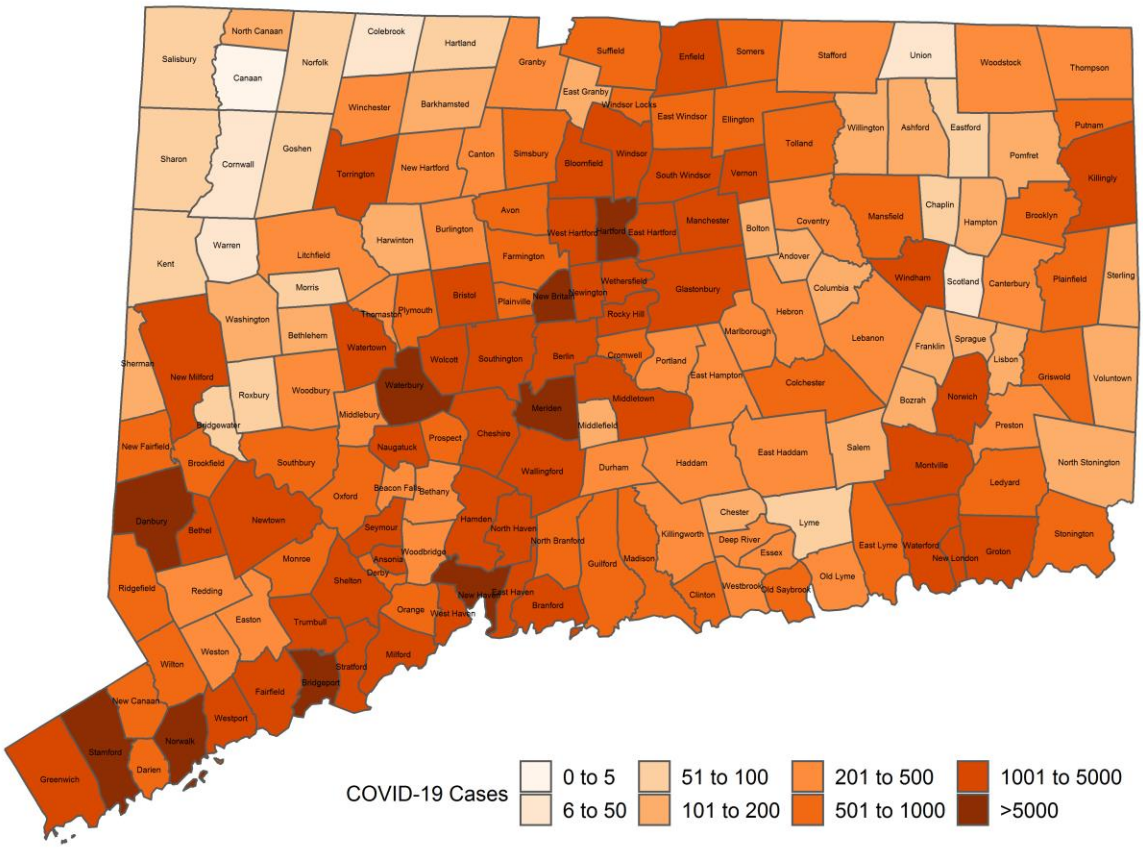
Counts may not add up to total case count because demographic data may be missing.





Cumulative Number of COVID-19 Cases by Town

Map does not include 822 cases pending address validation

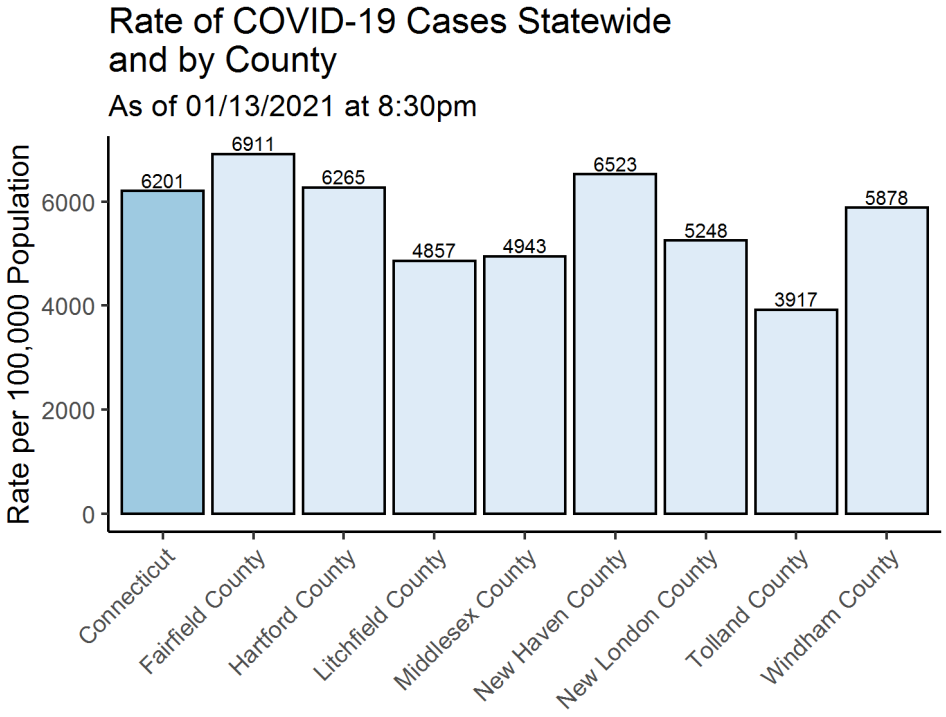


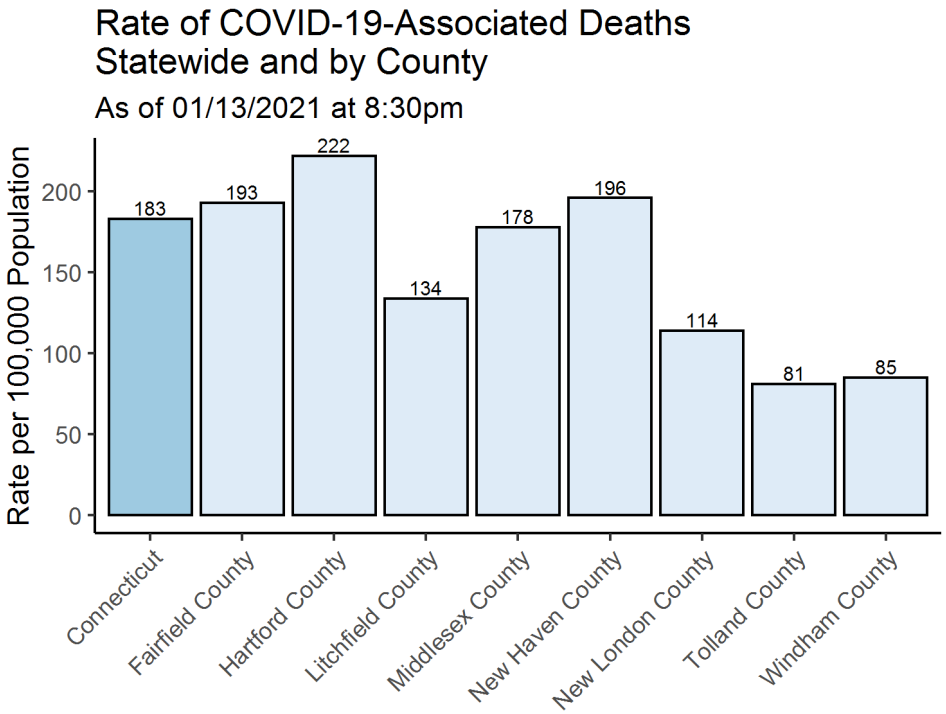
APPENDIX A. Cumulative Number of COVID-19 Cases by Town

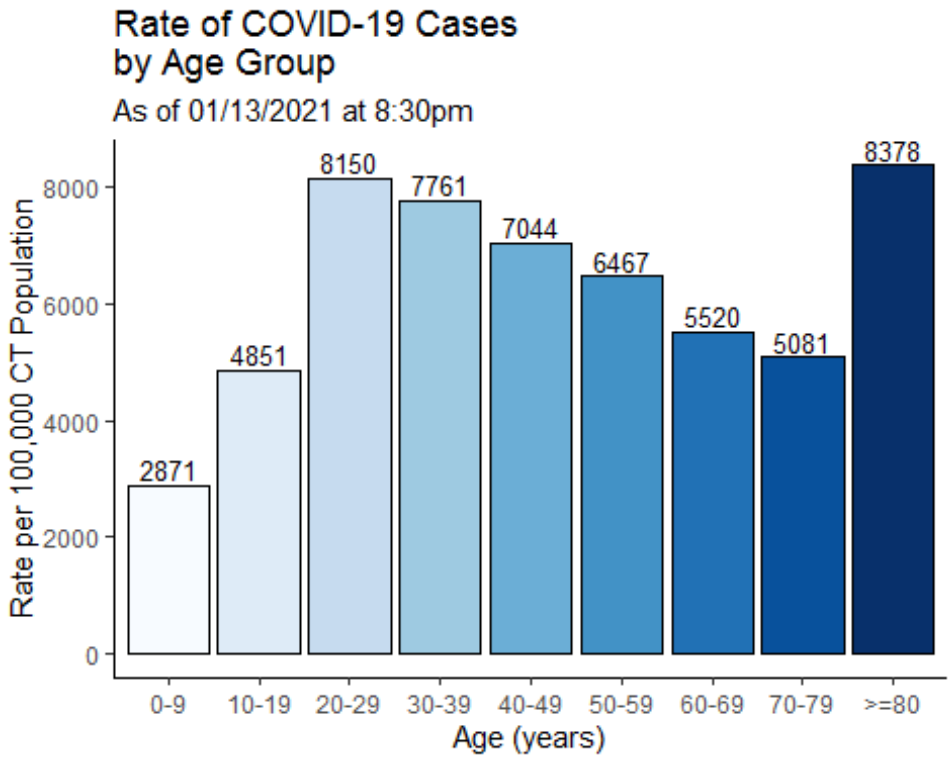
Table does not include 822 cases pending address validation

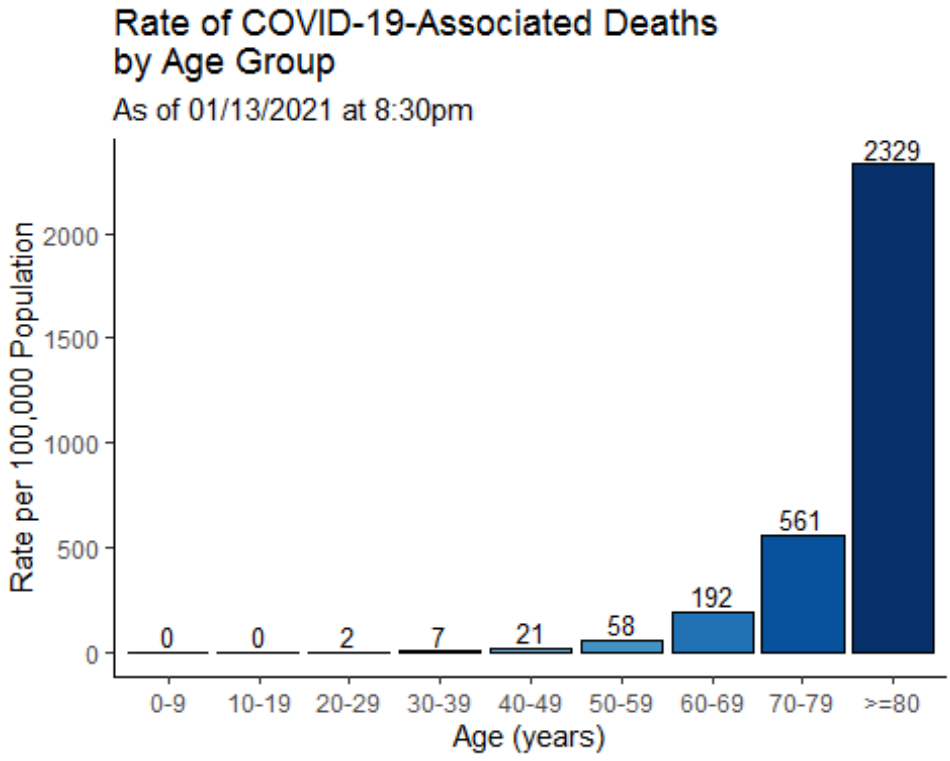
Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	108	9	Griswold	584	5	Prospect	520	35
Ansonia	1,097	92	Groton	1,640	86	Putnam	490	38
Ashford	142	3	Guilford	734	48	Redding	304	27
Avon	573	27	Haddam	298	20	Ridgefield	801	94
Barkhamsted	103	3	Hamden	3,358	272	Rocky Hill	1143	56
Beacon Falls	325	19	Hampton	106	0	Roxbury	51	9
Berlin	989	48	Hartford	11,350	328	Salem	133	0
Bethany	240	20	Hartland	57	1	Salisbury	86	3
Bethel	1,156	166	Harwinton	179	10	Scotland	35	0
Bethlehem	124	11	Hebron	306	18	Seymour	950	74
Bloomfield	1,360	55	Kent	80	18	Sharon	59	1
Bolton	154	9	Killingly	1,006	40	Shelton	2213	185
Bozrah	139	0	Killingworth	200	17	Sherman	75	26
Branford	1,309	132	Lebanon	277	4	Simsbury	634	34
Bridgeport	12,282	643	Ledyard	603	6	Somers	631	46
Bridgewater	44	11	Lisbon	176	2	South Windsor	1004	42
Bristol	3,532	165	Litchfield	243	15	Southbury	829	55
Brookfield	824	166	Lyme	60	6	Southington	2109	204
Brooklyn	529	10	Madison	663	45	Sprague	150	2
Burlington	301	15	Manchester	3,104	159	Stafford	355	20
Canaan	5	0	Mansfield	788	94	Stamford	10272	448
Canterbury	242	3	Marlborough	262	17	Sterling	167	2
Canton	290	17	Meriden	4,958	269	Stonington	613	20
Chaplin	67	3	Middlebury	443	37	Stratford	2995	251
Cheshire	1,264	71	Middlefield	156	11	Suffield	803	39
Chester	151	4	Middletown	2,701	167	Thomaston	417	27
Clinton	554	28	Milford	2,701	269	Thompson	402	14
Colchester	730	40	Monroe	776	61	Tolland	574	38
Colebrook	29	2	Montville	1,127	20	Torrington	2177	63
Columbia	192	5	Morris	87	3	Trumbull	1884	148
Cornwall	36	0	Naugatuck	2,080	145	Union	22	1
Coventry	402	20	New Britain	6,433	270	Vernon	1268	72
Cromwell	788	49	New Canaan	878	54	Voluntown	116	1
Danbury	8,540	929	New Fairfield	573	81	Wallingford	2720	146
Darien	821	97	New Hartford	215	7	Warren	12	3
Deep River	188	15	New Haven	8,051	459	Washington	107	12
Derby	724	53	New London	2,127	34	Waterbury	9743	638
Durham	359	29	New Milford	1,077	271	Waterford	1015	35
East Granby	157	5	Newington	1,763	87	Watertown	1397	119
East Haddam	236	14	Newtown	1,009	130	West Hartford	2771	271
East Hampton	469	25	Norfolk	52	1	West Haven	3267	277
East Hartford	4,304	135	North Branford	609	76	Westbrook	249	16
East Haven	1,703	226	North Canaan	141	6	Weston	320	36
East Lyme	768	36	North Haven	1,262	148	Westport	1003	88
East Windsor	638	25	North Stonington	155	4	Wethersfield	1703	74
Eastford	57	1	Norwalk	7,142	409	Willington	145	9
Easton	231	15	Norwich	2,709	23	Wilton	624	70
Ellington	599	26	Old Lyme	199	5	Winchester	396	5
Enfield	2,259	56	Old Saybrook	558	30	Windham	2115	48
Essex	263	19	Orange	596	64	Windsor	1854	78
Fairfield	3,038	361	Oxford	522	28	Windsor Locks	679	17
Farmington	914	55	Plainfield	876	14	Wolcott	1119	84
Franklin	137	0	Plainville	919	69	Woodbridge	341	33
Glastonbury	1,262	75	Plymouth	541	34	Woodbury	384	26
Goshen	90	4	Pomfret	161	1	Woodstock	302	5
Granby	321	14	Portland	407	20			
Greenwich	2,767	213	Preston	211	2			

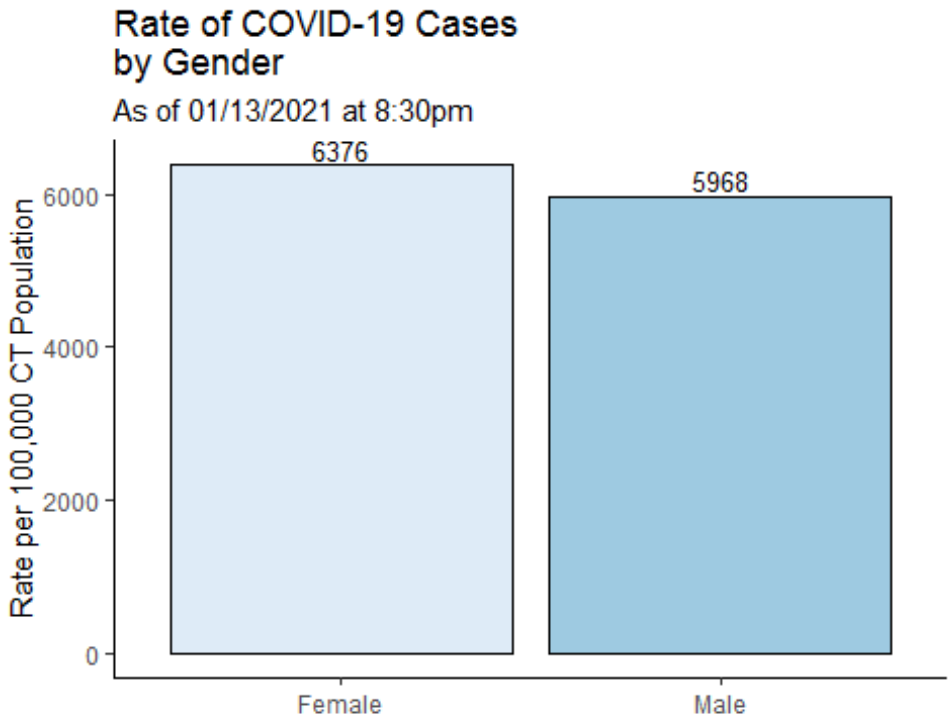
APPENDIX B. The following graphs show the number of cases per 100,000 Connecticut residents statewide and by county, age group, and gender. Population estimate from: [DPH Population Statistics]

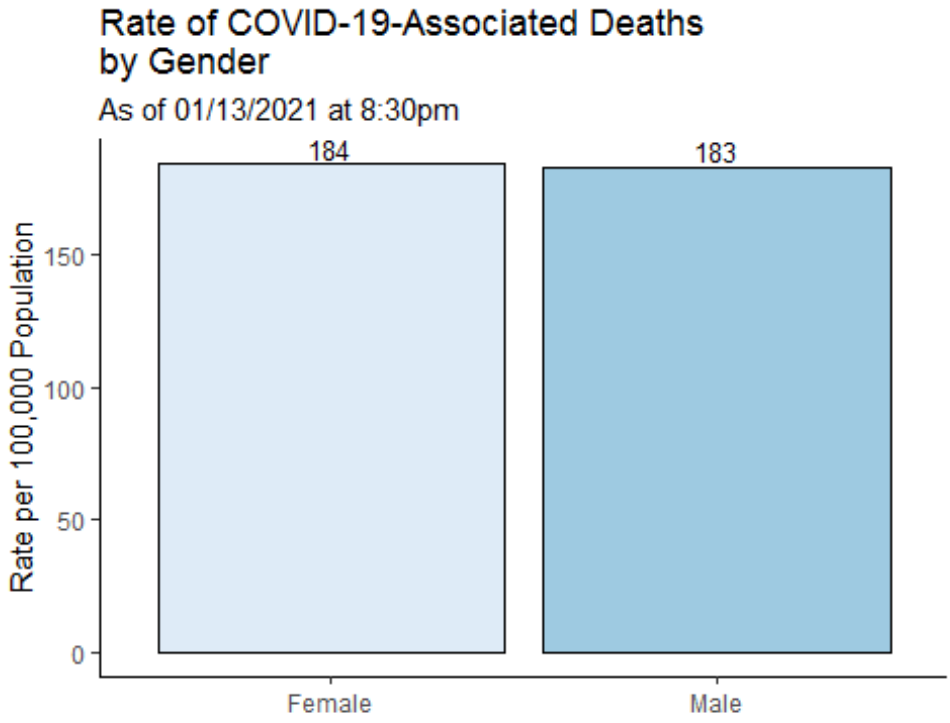




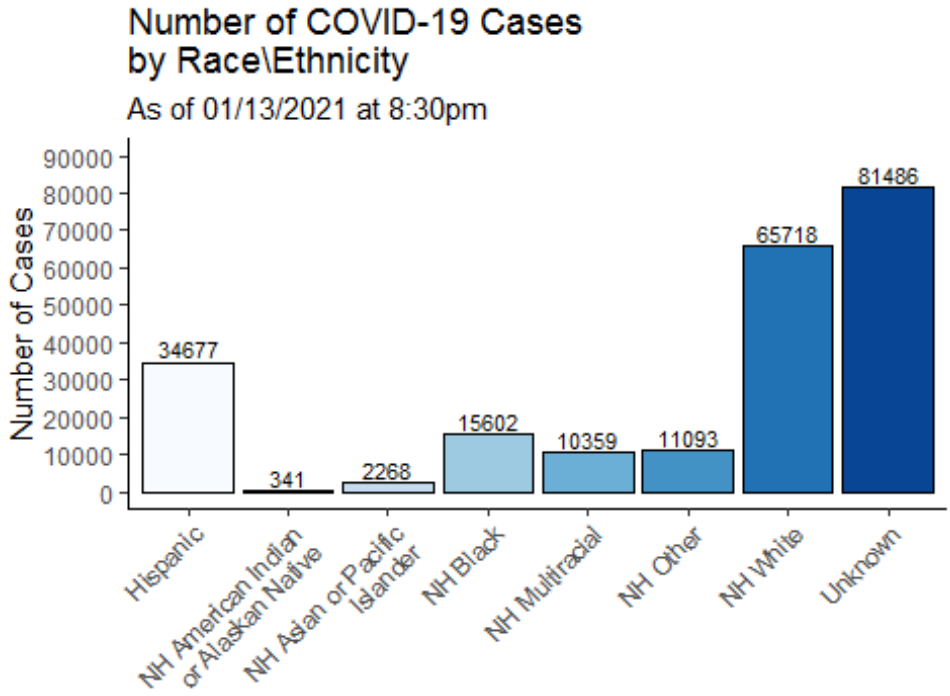

Rate of COVID-19 Cases
by Age Group
As of 01/13/2021 at 8:30pm
Rate per 100,000 CT Population
0
2000
4000
6000
8000
2871
4851
8150
7761
7044
6467
5520
5081
8378
0-9
10-19
20-29
30-39
40-49
50-59
60-69
70-79
>=80
Age (years)

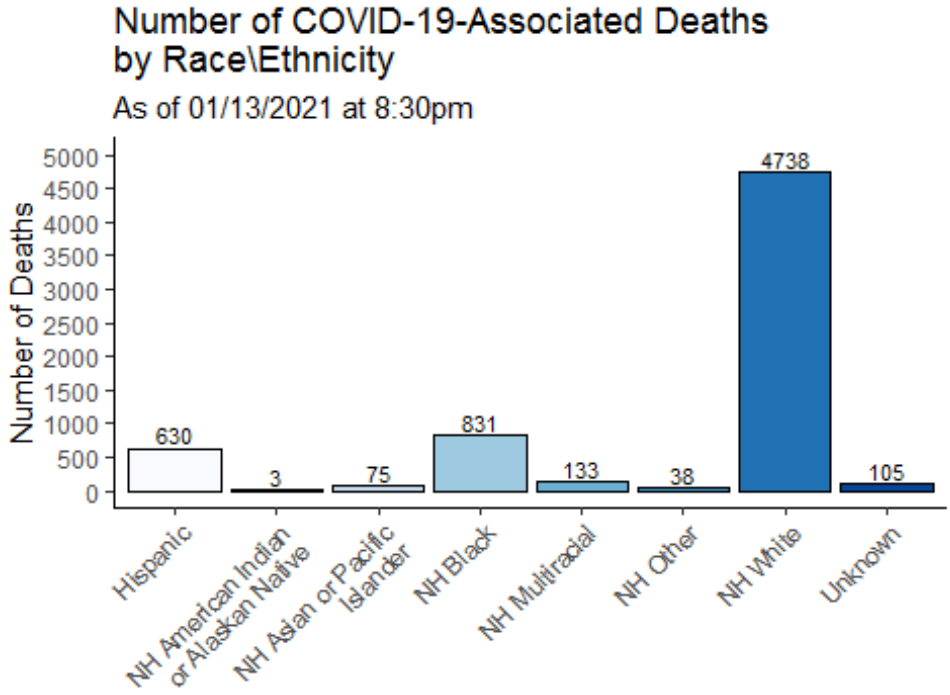

Rate of COVID-19-Associated Deaths
by Age Group
As of 01/13/2021 at 8:30pm
Rate per 100,000 Population
0
500
1000
1500
2000
0
0
2
7
21
58
192
561
2329
0-9
10-19
20-29
30-39
40-49
50-59
60-69
70-79
>=80
Age (years)


Rate of COVID-19 Cases
by Gender
As of 01/13/2021 at 8:30pm
Rate per 100,000 CT Population
6376
5968
6000
4000
2000
0
Female
Male


Rate of COVID-19-Associated Deaths
by Gender
As of 01/13/2021 at 8:30pm
Rate per 100,000 Population
184
183
150
100
50
0
Female
Male

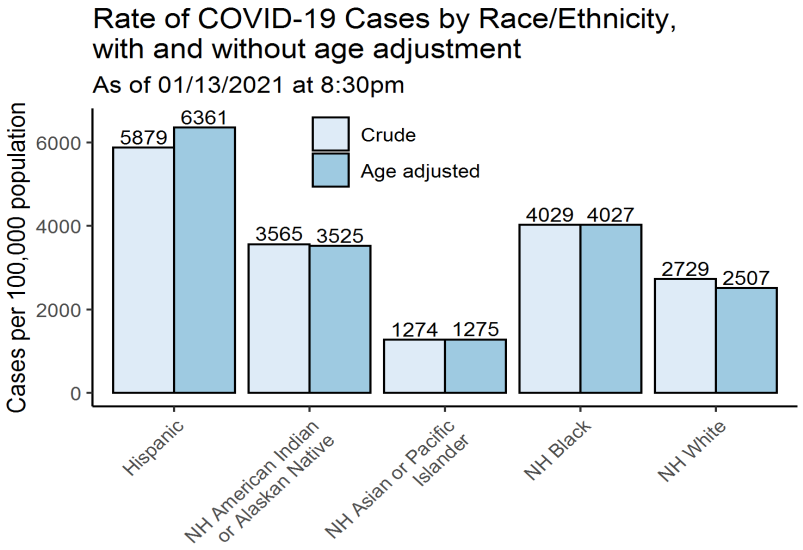
APPENDIX C. The following graphs show the number of cases and deaths by race and ethnicity. *Categories are mutually exclusive. The category "multiracial" includes people who answered 'yes' to more than one race category. NH=Non-Hispanic*

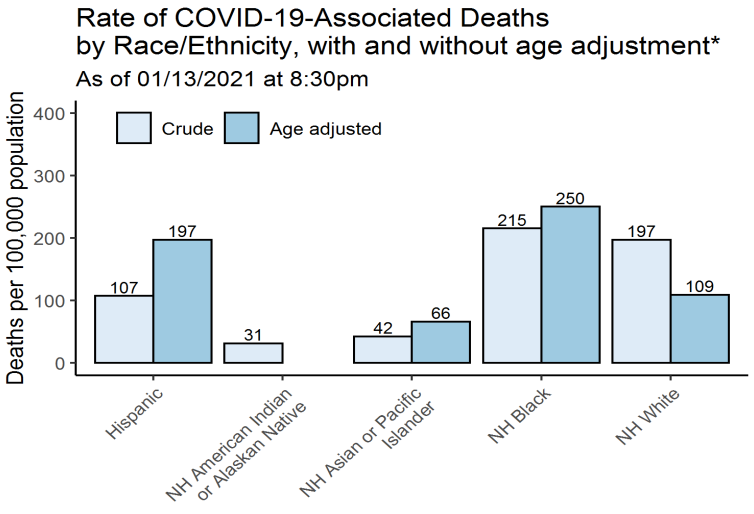




The following graphs show the number of COVID-19 cases and COVID-19-associated deaths per 100,000 population by race and ethnicity. Crude rates represent the total cases or deaths per 100,000 people. Age-adjusted rates consider the age of the person at diagnosis or death when estimating the rate and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