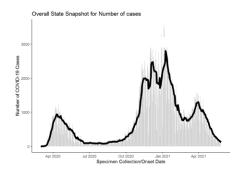
COVID-19 Update June 03, 2021

As of June 02, 2021, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is 347748, including 318367 laboratory-confirmed and 29381 probable cases. Eighty-nine patients are currently hospitalized with laboratory-confirmed COVID-19. There have been 8245 COVID-19-associated deaths.

Overall Summary	Total*	Change Since Yesterday
COVID-19 Cases (confirmed and probable)	347748	+70
COVID-19 Tests Reported (molecular and antigen)	9259012	+7736
Daily Test Positivity		0.9%
Patients Currently Hospitalized with COVID-19	89	+4
COVID-19-Associated Deaths**	8245	+0

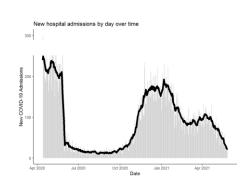
^{*}Includes confirmed plus probable cases





Total Cases: 347,748

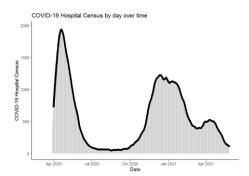
Admissions



Total Hospitalizations: 36,174

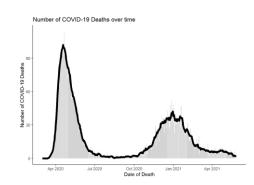
^{**}Zero deaths were reported in the last day. Today's report reflects two less total deaths due to routine data cleaning and quality assurance activities.

Hospital Census



Hospital Census: 6/02/2021: 89

Deaths



Total Deaths: 8245

COVID-19 Cases and Associated Deaths by County of Residence as of 06/02/21.

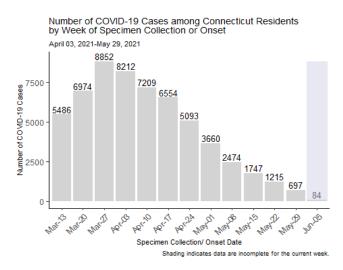
County	COVID-19	Cases	COVID-19-Associated Deaths		
County	Confirmed	Probable	Confirmed	Probable	
Fairfield County	91,303	8,790	1,769	429	
Hartford County	78,497	5,619	1,990	437	
Litchfield County	12,933	1,671	258	39	
Middlesex County	11,649	1,142	285	86	
New Haven County	82,572	9,408	1,825	296	
New London County	21,240	1,252	347	101	
Pending address validation	1,011	173	0	1	
Tolland County	8,720	879	149	38	
Windham County	10,442	447	154	41	
Total	318367	29381	6777	1468	

<u>National COVID-19 statistics</u> and information about <u>preventing spread of COVID-19</u> 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.

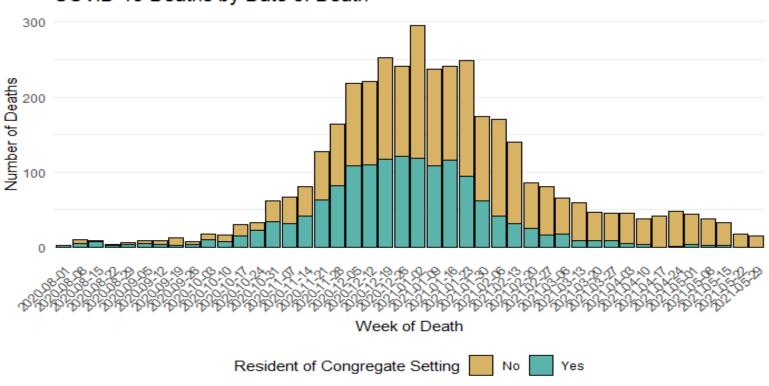
COVID-19 Cases and Deaths Over Time

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 includes probable cases based on positive antigen test results. During the past two weeks (May 16-29), there were 1,911 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.

COVID-19 Deaths by Date of Death

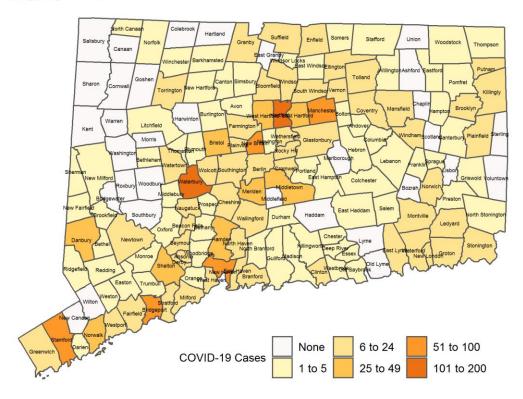


Community Transmission of COVID-19

Among 1,912 new COVID-19 cases with specimen collection or onset date during May 16-29, there were 1,911 cases among people living in community settings, as shown in the map below. This corresponds to an average of 3.83 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.

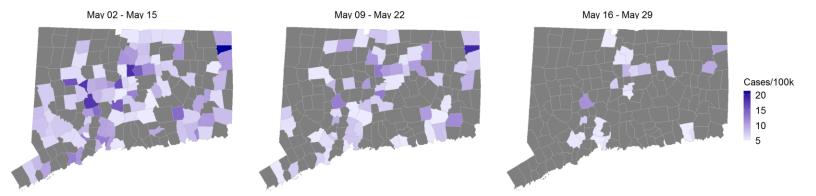
During this two-week period, there were more than 100 new COVID-19 cases in 2 towns.

Number of COVID-19 Cases among People Living in Community Settings by Town with Specimen Collection or Onset Date During May 16-29



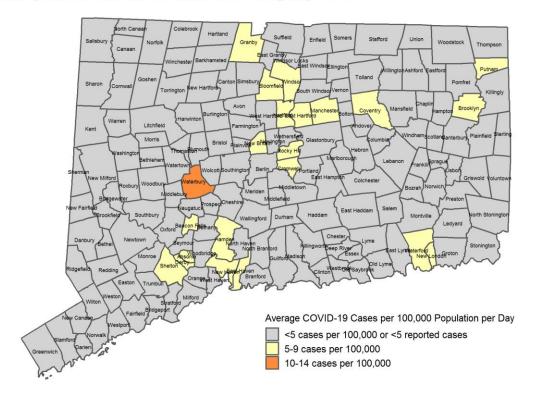
Map does not include 7 cases pending address validation

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.



Among towns with at least 5 new cases during May 16-29, 0 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 May 16-29



Map does not include 7 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 May 16-29, 2021

Map does not include 7 cases pending address validation

Amonia 18,654 13 5 Groton 38,435 Putnam 9,389 13 5 SAfford 4,255 Colliford 22,133 Redding 9,161 Reddi	Town	Population	Cases	Rate	Town	Population	Cases	Rate	Town	Population	Cases	Rate
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Sethel	Bethany	5,548			Hartland	2,120			Salisbury	3,600		
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Granby 11,507 8 5 Portland 9,267	Goshen	2,863			Pomfret	4,203			Woodstock	7,858		
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Greenwich 62,840 Preston 4,625	,				Draston							

SARS-CoV-2 Variant Surveillance

The Centers for Disease Control and Prevention (CDC) have identified three types of SARS-CoV-2 variants: variants of interest, variants of concern and variants of high consequence. The definitions for the three different variant categories and substitutions of therapeutic concern can be found here: <u>SARS-CoV-2 Variants of Concern | CDC.</u>

<u>Data provided are</u> from the Global Initiative for Sharing Avian Influenza Data (GISAID). GISAID is a global science initiative established in 2008 that provides open-access to genomic data of influenza viruses and the SARS-CoV-2 virus responsible for the COVID-19 pandemic. Laboratories performing whole genome sequencing are encouraged to share their data on this website. More information about GISAID can be found at <u>GISAID - Initiative</u>. This data source provides the ability to monitor all variants of the SARS-CoV-2 virus that are circulating and might be identified in the future.

Below are data on variants of concern, variants of interest and substitutions of therapeutic concern identified among Connecticut residents. No variants of high consequence have been defined by CDC to date.

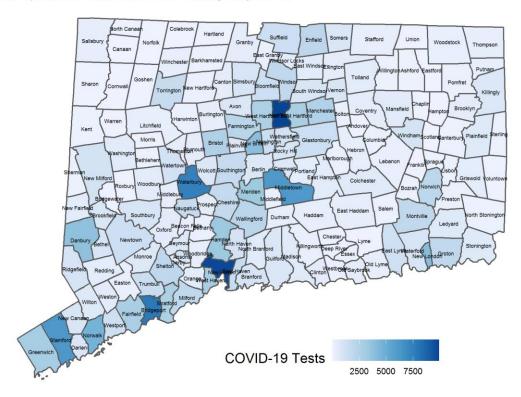
Data are from GISAID as of 6/3/2021 and represent sequences from specimens with dates of collection from 3/2/2020–5/22/2021. **The total number of SARS-CoV-2 sequences in GISAID for Connecticut residents are 7410.**

	Number	Percentage
Variants of Concern		
B.1.1.7	3035	40.9%
B.1.351	33	0.4%
P.1	112	1.5%
B.1.427	59	0.8%
B.1.429	138	1.9%
Variants of Interest		
B.1.526	968	13.0%
B.1.526.1	232	3.1%
B.1.525	19	0.3%
P.2	9	0.1%
B.1.617	0	0%
B.1.617.1	2	0.3%
B.1.617.2	16	0.2%
B.1.617.3	0	0%
Substitutions of Therapeutic Concern		
E484K	974	13.1%
L452R	488	6.5%

COVID-19 Molecular and Antigen Tests during May 16-29

Among 194916 molecular and antigen tests for COVID-19 with specimen collection date during May 16-29, 181987 (93%) tests were conducted among people who did not reside in congregate settings (including nursing homes, assisted living, and correctional facilities). Of these 181987 tests, 2412 (1%) were positive. The map below shows the number of molecular and antigen COVID-19 tests by town with specimen collection date during May 16-29 that were conducted among community residents.

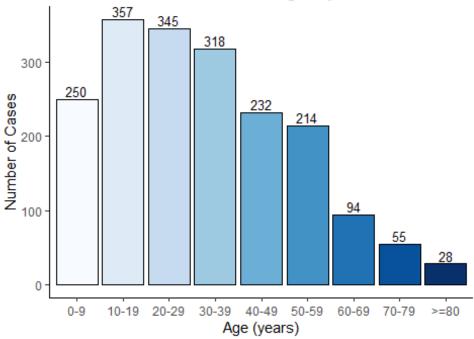
Number of Molecular and Antigen Tests for COVID-19 among People Living in Community Settings by Town with Specimen Collection Date During May 16-29



Map does not include tests pending address validation

Age Distribution of COVID-19 Cases with Specimen Collection or Onset During May 16-29, 2020

Number of New COVID-19 Cases by Age Group with Collection or Onset during May 16-29



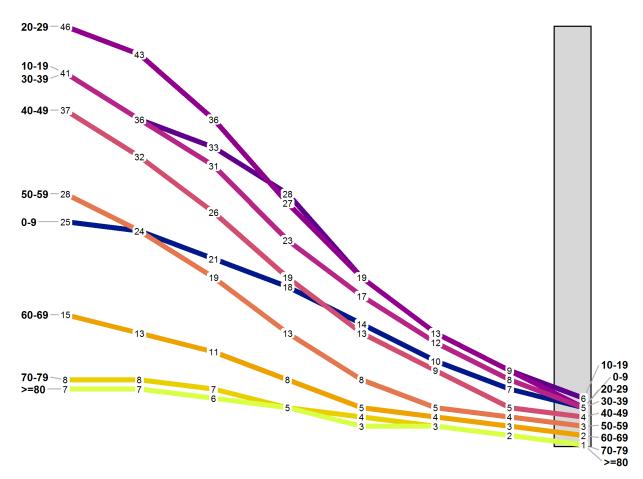
Average Daily Incidence by Age Group

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 rate of COVID-19 cases by age group

As of 06/02/2021

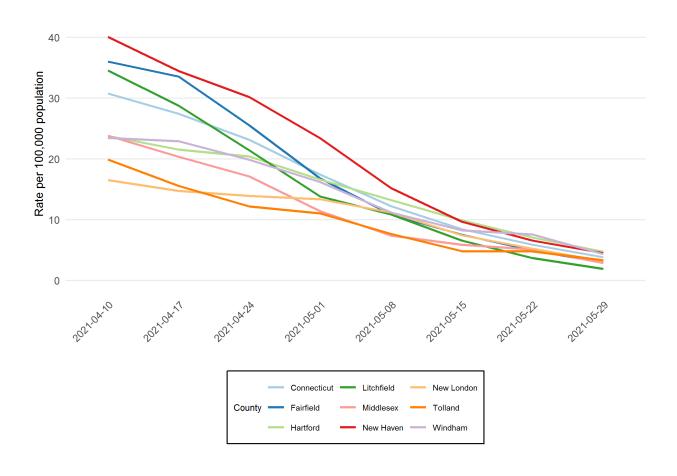
2021-04-10 2021-04-17 2021-04-24 2021-05-01 2021-05-08 2021-05-15 2021-05-22 2021-05-29



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 06/02/2021

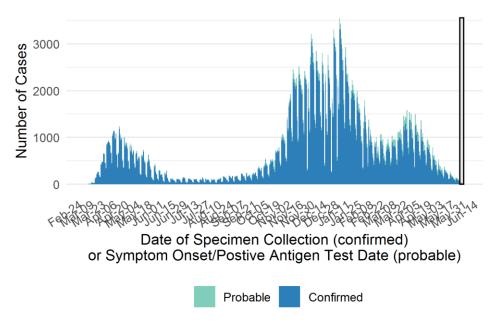


Cumulative Number of COVID-19 Cases and COVID-19-Associated Deaths by Date

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

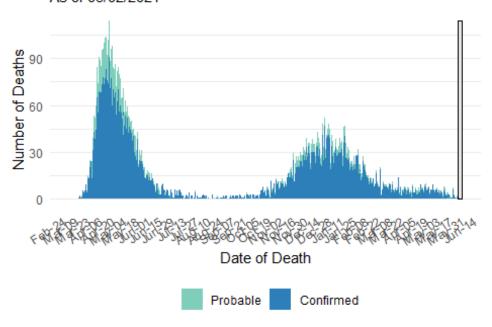
Number of Confirmed and Probable COVID-19 Cases by Date

As of 06/02/2021



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

As of 06/02/2021

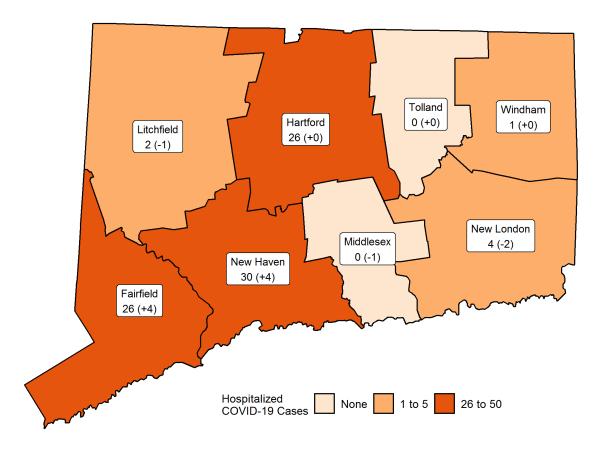


Hospitalization Surveillance

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

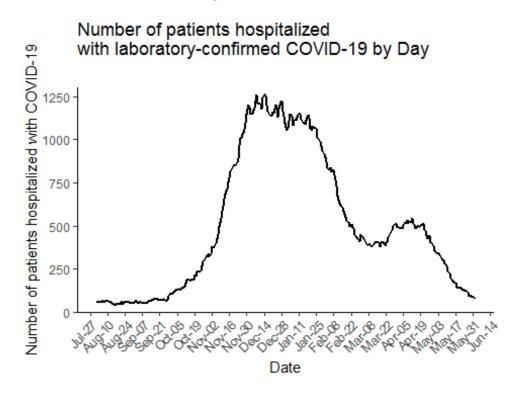
Distribution by location of hospital not patient residence. Data from the Connecticut Hospital Association.



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.

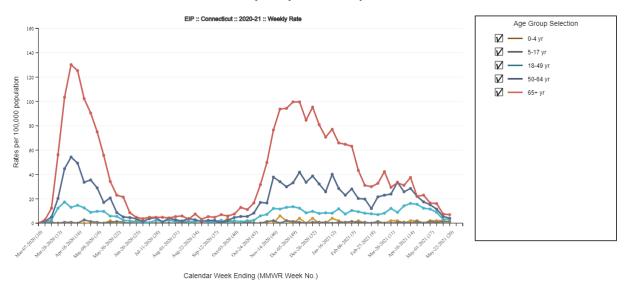
These data were collected by COVID-NET, the COVID-19-Associated Hospitalization Surveillance Network. Connecticut is one of 14 states that participate in COVID-NET, which conducts population-based surveillance for laboratory-confirmed COVID-19-associated hospitalizations. In Connecticut, COVID-NET surveillance 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.



Laboratory-Confirmed COVID-19-Associated Hospitalizations

Preliminary weekly rates as of May 22, 2021

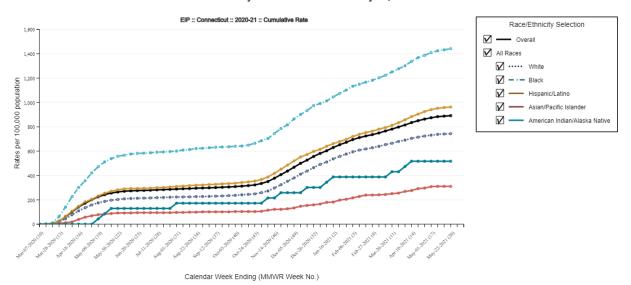


The Coronavirus Disease 2019 (COVID-19)-Associated Hospitalization Surveillance Network (COVID-NET) conducts population-based surveillance for laboratory-confirmed COVID-19-associated hospitalizations in children (persons younger than 18 years) and adults. The current network covers nearly 100 counties 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 cimician-ordered SARS-COV-2 test. Date agate 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 and 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 cliation when referencing these data: "COVID-NET. COVID-19-Associated Hospitalization Surveillance Network. Centers for Disease Control and Prevention. WEBSITE. Accessed on DATE".



Laboratory-Confirmed COVID-19-Associated Hospitalizations

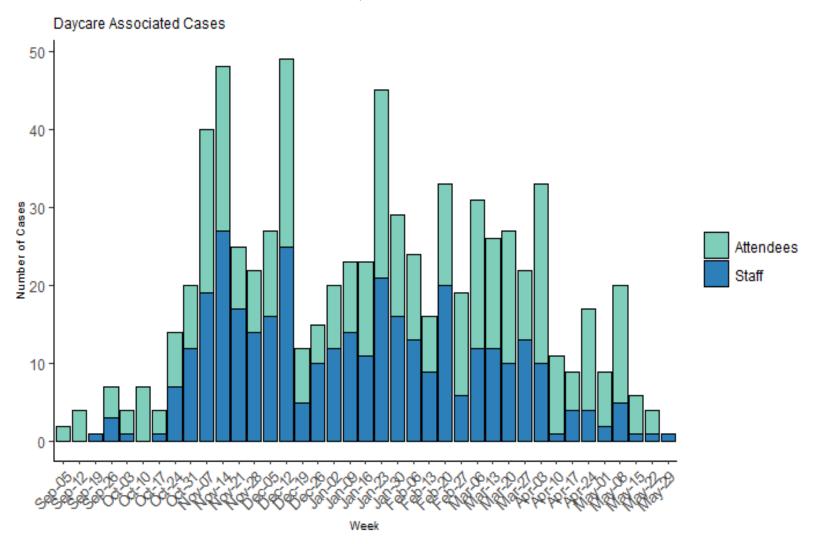
Preliminary cumulative rates as of May 22, 2021



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 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 test. Data gathered are used to estimate age-specific hospitalization and rates previously and provided are likely to be underestimated as characteristics of persons 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-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.

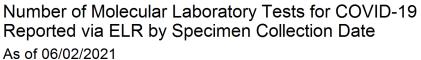


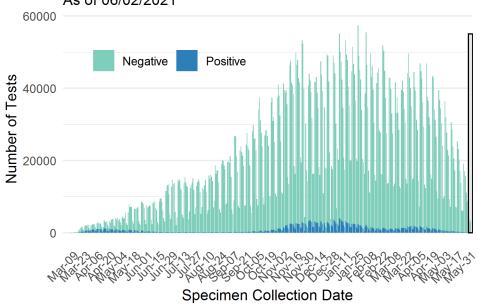
Laboratory Surveillance

Molecular Tests

To date, DPH has received reports on a total of 8,584,095 molecular COVID-19 laboratory tests; of these 8,360,159 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.





Shading indicates data are incomplete for the current week.

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

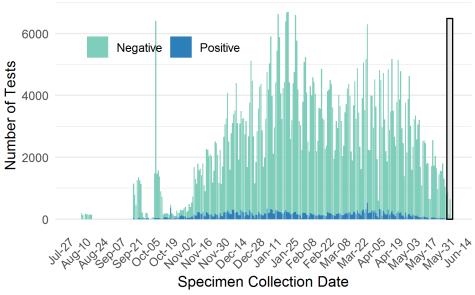
Antigen Tests

To date, DPH has received reports on a total of 674,917 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.

Number of Antigen Tests for COVID-19 Reported by Specimen Collection Date

As of 06/02/2021



Shading indicates data are incomplete for the current week.

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

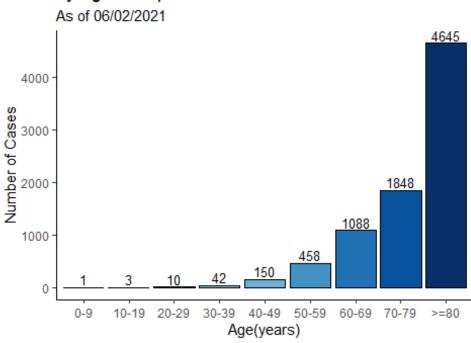
Characteristics of COVID-19 Cases and Associated Deaths

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

Number of COVID-19 Cases by Age Group

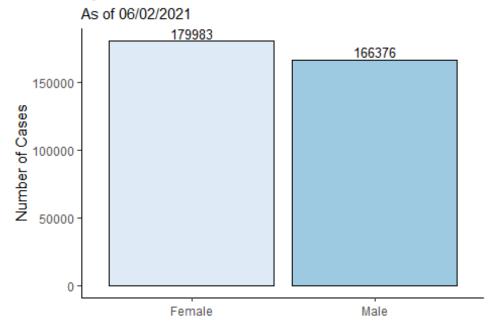
As of 06/02/2021 60899 60000 54031 51918 48537 Number of Cases 00000 00000 41468 34385 21359 17650 16540 0 20-29 30-39 40-49 50-59 60-69 70-79 0-9 10-19 Age(years)

Number of COVID-19-Associated Deaths by Age Group

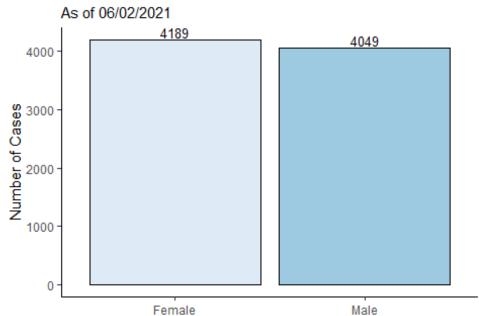


Counts may not add up to total case count because demographic data may be missing.

Number of COVID-19 Cases by Gender

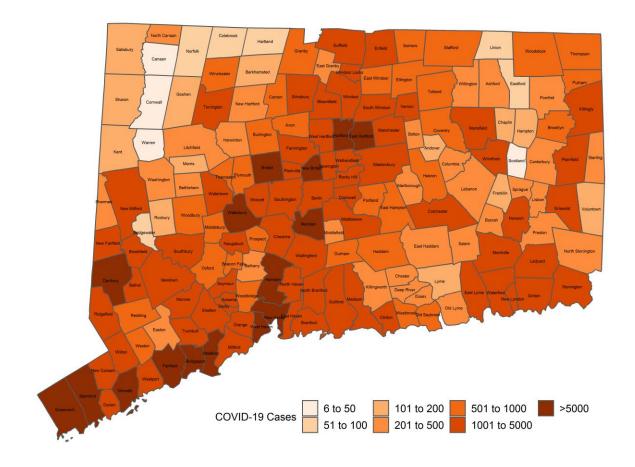


Number of COVID-19-Associated Deaths by Gender



Cumulative Number of COVID-19 Cases by Town

Map does not include 1184 cases pending address validation



APPENDIX A. Cumulative Number of COVID-19 Cases by Town Table does not include 1184 cases pending address validation

Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	159	23	Griswold	977	45	Prospect	843	97
Ansonia	1,698	314	Groton	2,580	201	Putnam	828	48
Ashford	231	15	Guilford	1,289	145	Redding	484	76
Avon	916	70	Haddam	511	55	Ridgefield	1306	220
Barkhamsted	167	7	Hamden	5,247	810	Rocky Hill	1672	133
Beacon Falls	523	50	Hampton	165	3	Roxbury	93	33
Berlin	1,494	85	Hartford	15,726	663	Salem	243	16
Bethany	371	42	Hartland	96	2	Salisbury	138	4
Bethel	1,667	305	Harwinton	329	21	Scotland	41	1
Bethlehem	218	35	Hebron	477	52	Seymour	1506	179
Bloomfield	1,957	94	Kent	132	31	Sharon	108	4
Bolton	257	32	Killingly	1,658	73	Shelton	3456	398
Bozrah	217	10	Killingworth	370	37	Sherman	146	67
Branford	2,182	300	Lebanon	452	23	Simsbury	1055	5 <i>7</i>
Bridgeport	18,263	1,150	Ledyard	1,007	61	Somers	892	85
Bridgewater	55	27	Lisbon	263	12	South Windsor	1559	118
Bristol	5,487	517	Litchfield	442	37	Southbury	1235	222
Brookfield	1,348	368	Lyme	99	8	Southington	3292	407
Brooklyn	808	26	Madison	1,099	105	Sprague	217	19
Burlington	542	66	Manchester	4,511	419	Stafford	631	36
Canaan	13	0	Mansfield	1,365	162	Stamford	15114	706
Canterbury	422	26	Marlborough	373	35	Sterling	286	10
Canton	476	34	Meriden	7,486	660	Stonington	1024	90
Chaplin	126	6	Middlebury	627	89	Stratford	4599	644
Cheshire		313	Middlefield	231	25	Suffield	1299	290
	1,996 217		Middletown		25 421		697	68
Chester		14		3,936		Thomaston		
Clinton	955	70	Milford	4,265	501	Thompson	654	31
Colchester	1,085	106	Monroe	1,230	185	Tolland	872	89
Colebrook	56	2	Montville	1,690	112	Torrington	3395	106
Columbia	318	27	Morris	138	7	Trumbull	2929	306
Cornwall	50	0	Naugatuck	3,191	339	Union	61	2
Coventry	671	88	New Britain	9,207	474	Vernon	1854	165
Cromwell	1,169	96	New Canaan	1,366	130	Voluntown	191	6
Danbury	11,516	1,348	New Fairfield	989	191	Wallingford	4207	340
Darien	1,356	164	New Hartford	350	14	Warren	26	13
Deep River	280	28	New Haven	13,285	1,024	Washington	174	41
Derby	1,137	178	New London	3,303	79 704	Waterbury	14804	1638
Durham	524	67	New Milford	1,718	701	Waterford	1539	87
East Granby	272	13	Newington	2,552	159	Watertown	2192	305
East Haddam	397	68	Newtown	1,718	401	West Hartford	4153	488
East Hampton	750	91	Norfolk	67	1	West Haven	5439	605
East Hartford	6,091	352	North Branford	1,054	155	Westbrook	518	42
East Haven	3,010	449	North Canaan	202	7	Weston	540	60
East Lyme	1,199	138	North Haven	1,970	359	Westport	1664	136
East Windsor	879	64	North Stonington	279	22	Wethersfield	2382	127
Eastford	86	3	Norwalk	10,701	832	Willington	259	22
Easton	388	37	Norwich	4,022	185	Wilton	1082	145
Ellington	904	96	Old Lyme	330	11	Winchester	608	12
Enfield -	3,374	255	Old Saybrook	829	55	Windham	3026	123
Essex	389	28	Orange	963	132	Windsor	2693	145
Fairfield	4,713	535	Oxford	850	89	Windsor Locks	1027	32
Farmington	1,397	130	Plainfield	1,334	61	Wolcott	1779	203
Franklin	177	3	Plainville	1,433	149	Woodbridge	516	70
Glastonbury	2,013	211	Plymouth	845	111	Woodbury	566	79
Goshen	154	5	Pomfret	243	10	Woodstock	534	11
Granby	569	30	Portland	573	45			
Greenwich	4,728	386	Preston	346	18			

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: <u>DPH Population Statistics</u>

Rate of COVID-19 Cases Statewide and by County

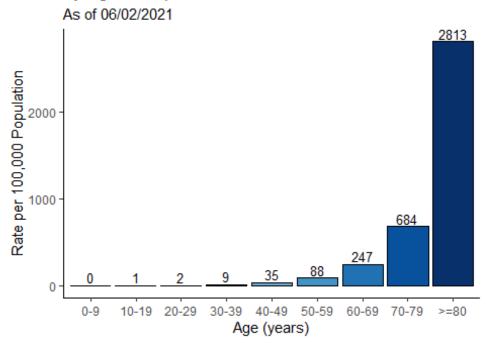
As of 06/02/2021 10761 Rate per 100,000 Population 9000 8481 8098 7874 6369 6000 3000 Faiffield Hartford Litchfield Tolland Windham Hen Haver Hen London

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

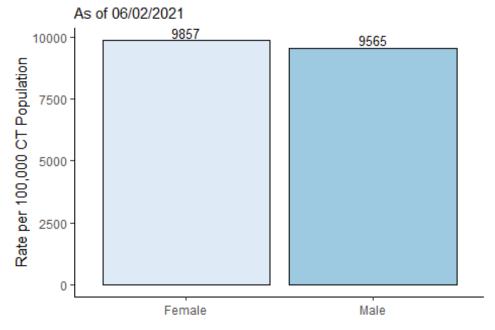
Rate of COVID-19 Cases by Age Group

As of 06/02/2021 13086 12212 Rate per 100,000 CT Population 11215 10016 9996 10000 9151 7805 6537 5674 5000 0 40-49 50-59 60-69 70-79 10-19 20-29 30-39 0-9 Age (years)

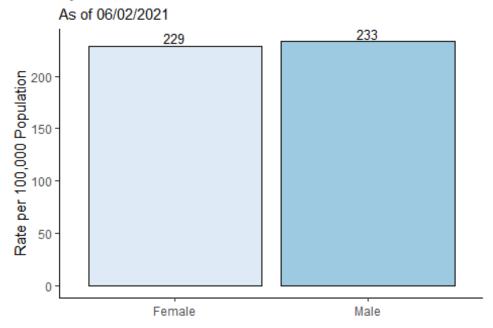
Rate of COVID-19-Associated Deaths by Age Group



Rate of COVID-19 Cases by Gender



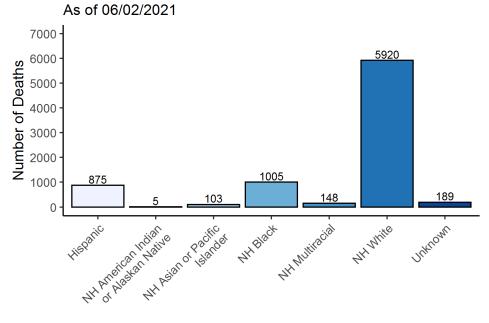
Rate of COVID-19-Associated Deaths by Gender



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

Number of COVID-19 Cases by Race\Ethnicity

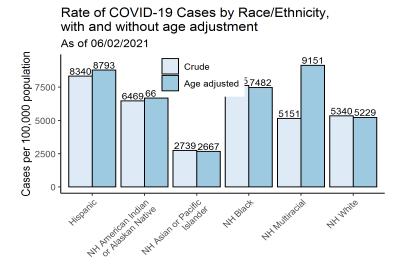
Number of COVID-19-Associated Deaths by Race\Ethnicity

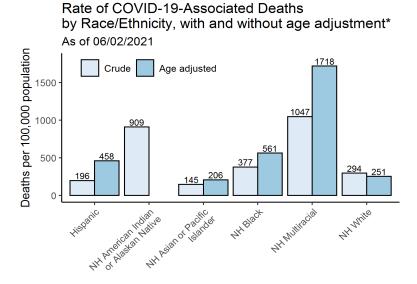


The following graphs show the number of COVID-19 cases and COVID-19-associated deaths per 100,000 population by race and ethnicity. Crude rates represent the total cases or deaths per 100,000 people. Age-adjusted rates consider the age of the person at diagnosis or death when estimating the rate and

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