

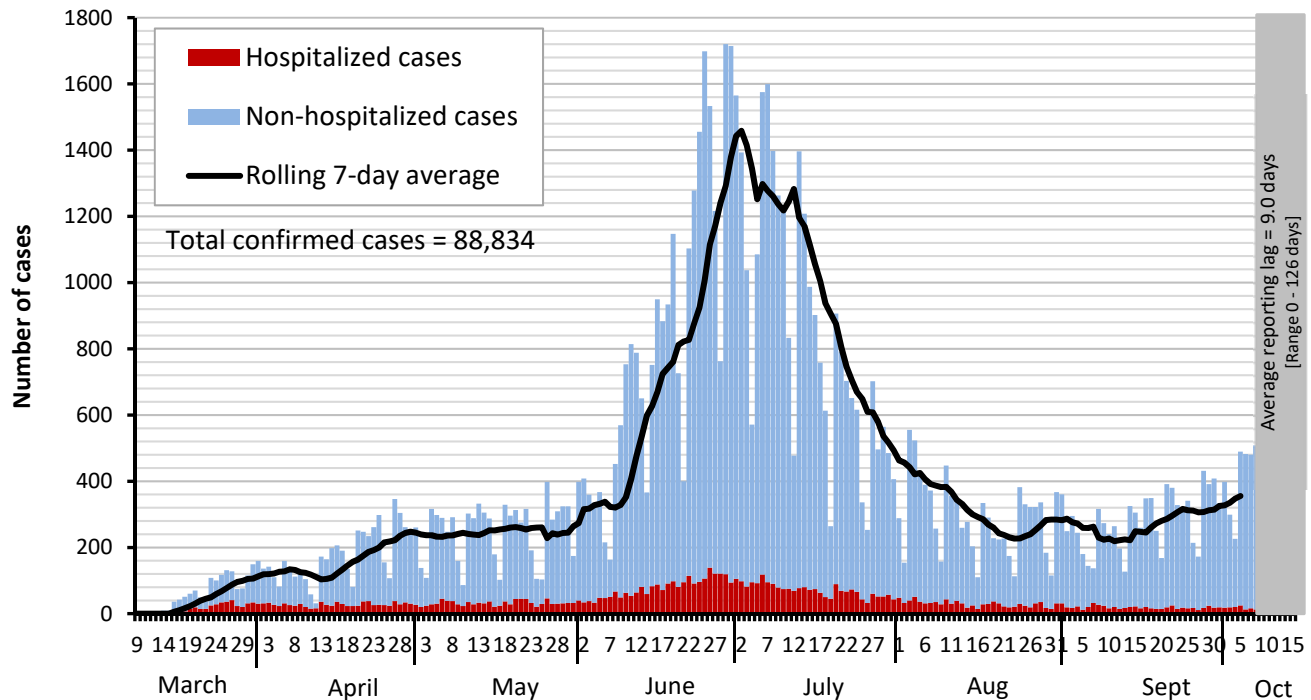


Dallas County Health and Human Services 2019 Novel Coronavirus (COVID-19) Summary

October 16, 2020

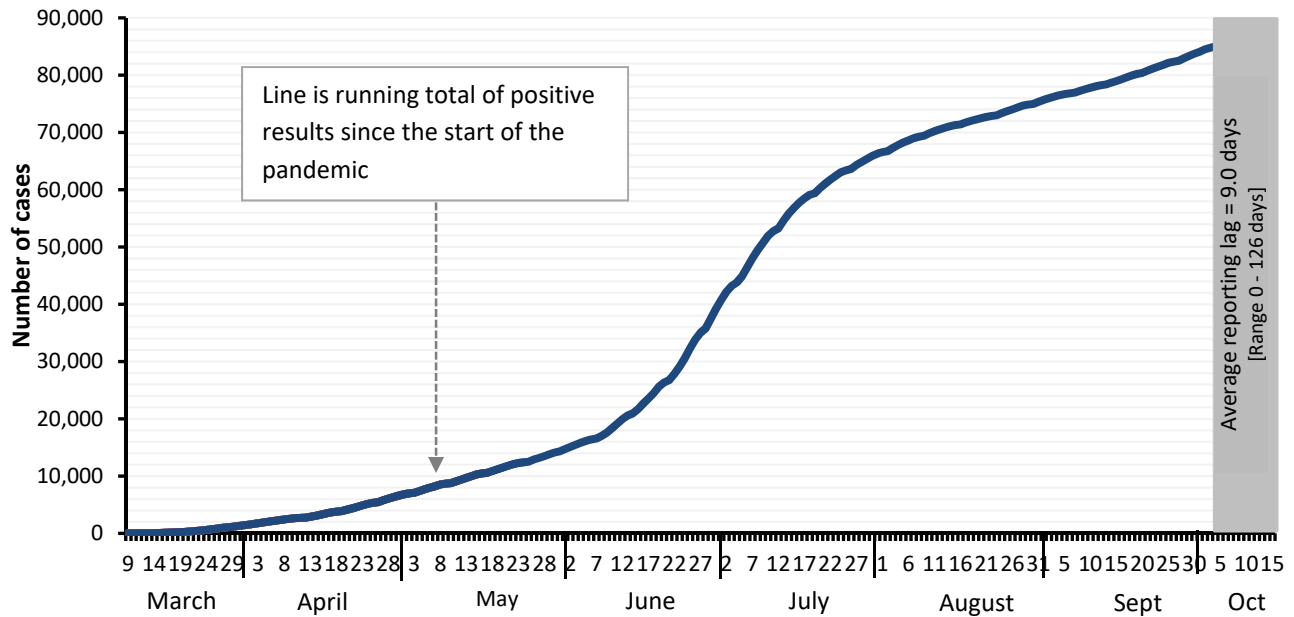
- As of October 16, 2020, DCHHS is reporting 462 additional confirmed cases of 2019 novel coronavirus (COVID-19), bringing the total number of confirmed cases in Dallas County to 88,834 including 1,079 confirmed deaths. The total number of probable cases in Dallas County is 4,494 including 13 probable COVID-19 deaths.
- The provisional 7-day average daily new confirmed and probable cases (by date of test collection) for CDC week 41 was 453. The percentage of respiratory specimens testing positive for SARS-CoV-2 has increased to 12.6% of symptomatic patients presenting to area hospitals testing positive in week 41 (week ending 10/10/2020).
- A provisional total of 390 confirmed and probable COVID-19 cases were diagnosed in school-aged children (5 to 17 years) during CDC week 41, an increase from the previous week for this age group.
- Of the 8,441 cases requiring hospitalization to date, almost three-quarters (70%) have been under 65 years of age, and over half reported having a chronic health condition. Diabetes has been an underlying high-risk health condition reported in about a third of all hospitalized patients with COVID-19.
- Of cases requiring hospitalization who reported employment, almost 80% have been critical infrastructure workers, with a broad range of affected occupational sectors, including: healthcare, transportation, food and agriculture, public works, finance, communications, clergy, first responders and other essential functions.
- Twenty-four percent (24%) of deaths have been associated with long-term care facilities.

Figure 1. Confirmed COVID-19 positive cases by date of test collection, Dallas County: March 10 – October 16, 2020¹⁻⁴



1. Data received as of 8:00 pm yesterday, for residents of Dallas County tested with known specimen collection dates. This does include delayed results from previous days. All data are preliminary and subject to change as cases continue to be investigated.
2. Data are incomplete for the most recent dates. Test results may be reported to DCHHS several days after the result. The reporting lag is calculated as time from specimen collection to receipt of test results. The average reporting lag is 9.0 days, with a range from 0 – 126 days.
3. This summary graph includes only confirmed cases based on molecular amplification detection test results.
4. Bars are the number of positive molecular amplification detection tests which were collected that day.
5. Rolling 7-day average is the average number of new confirmed COVID-19 cases collected 7 days prior to value.

Figure 2. Cumulative confirmed COVID-19 cases by date of test collection, Dallas County: March 10 – October 16, 2020¹⁻²



1. Data received as of 8:00 pm yesterday, for residents of Dallas County tested with known specimen collection dates. This does include delayed results from previous days. All data are preliminary and subject to change as cases continue to be investigated.
2. Data are incomplete for the most recent dates. Test results may be reported to DCHHS several days after the result. The reporting lag is calculated as time from specimen collection to receipt of test results. The average reporting lag is 9.0 days, with a range from 0 – 126 days.

Table 1. Source of laboratory testing for confirmed cases of COVID-19, Dallas County

Source of Laboratory Testing for Reported Positive Molecular Amplification Detection Tests	# Tests (N=88,834)	% of Total Cases
Commercial or Hospital Laboratory*	86,887	98%
Dallas LRN Laboratory	1,671	<2%
Other Public Health Laboratory	276	<1%

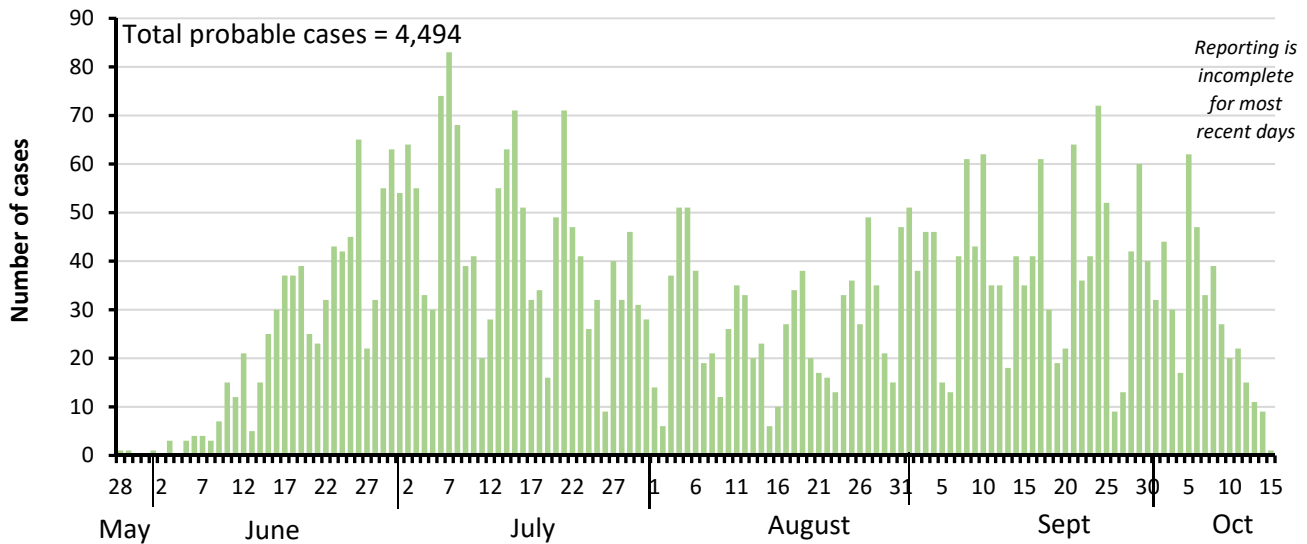
* Includes: AIT, ARUP, CPL, Excelsior, LabCorp, Magnolia, Medfusion, Prism, Quest, Viracor, and multiple hospital laboratories

Table 2. Characteristics of cumulative confirmed COVID-19 cases, Dallas County: March 9 – October 16, 2020

	Number	% of Total Cases*
Total Cases in Dallas County residents	N = 88,834	100%
Age Group (years)	0 to 17	9,176 (10%)
	18 to 40	41,284 (47%)
	41 to 64	30,316 (34%)
	≥65	7,854 (9%)
Sex	Female	44,636 (51%)
	Male	43,111 (49%)
Not Hospitalized (Includes: Outpatient, urgent care, drive-through, ED)	80,393	90%
Ever Hospitalized	8,441	10%

* Percentages calculated among cases with known age/sex

Figure 3. Probable COVID-19 cases by date of test collection, Dallas County: May 28 – October 16, 2020¹⁻⁵



1. Data received as of 8:00 pm yesterday, for residents of Dallas County tested with known specimen collection dates. This does include delayed results from previous days. All data are preliminary and subject to change as cases continue to be investigated.
2. Data are incomplete for the most recent dates. Test results may be reported to DCHHS several days after the result. The reporting lag is calculated as time from specimen collection to receipt of test results.
3. This summary graph includes only probable cases which meet below CDC case definition. Probable cases are reported separately from confirmed cases.

Table 3. Characteristics of cumulative probable COVID-19 cases, Dallas County: May 28 – October 16, 2020

	Number	% of Total Cases*
Total Probable Cases in Dallas County residents	N = 4,494	100%
Age Group (years)	0 to 17	26%
	18 to 40	48%
	41 to 64	22%
	≥65	4%
Sex	Female	51%
	Male	49%

*Percentages calculated among cases with known age/sex

CDC Definition of a COVID-19 case:

"A COVID-19 case includes [confirmed and probable cases and deaths](#). This change was made to reflect an interim [COVID-19 position](#) statement issued by the Council of State and Territorial Epidemiologists on April 5, 2020. The position statement included a case definition and made COVID-19 a [nationally notifiable disease](#)."

CDC Definition of a COVID-19 probable case:

"A [probable case or death](#) is defined as:

- A person meeting [clinical criteria](#) **AND** [epidemiologic evidence](#) with no confirmatory laboratory testing performed for COVID-19;
- A person meeting [presumptive laboratory evidence](#) **AND** either [clinical criteria](#) **OR** [epidemiologic evidence](#);
- A person meeting [vital records criteria](#) with no confirmatory laboratory testing performed for COVID-19."

*Centers for Disease Control and Prevention FAQ: COVID-19 Data and Surveillance:

<https://www.cdc.gov/coronavirus/2019-ncov/covid-data/faq-surveillance.html>

**See also Texas Department of State Health Services (DSHS) Case Definition:

<https://www.dshs.state.tx.us/coronavirus/docs/DSHS-COVID19CaseDefinitionandInvestigationPrioritizationGuidance.pdf>

Table 4. Number of confirmed COVID-19 cases by age group and month of collection, Dallas County

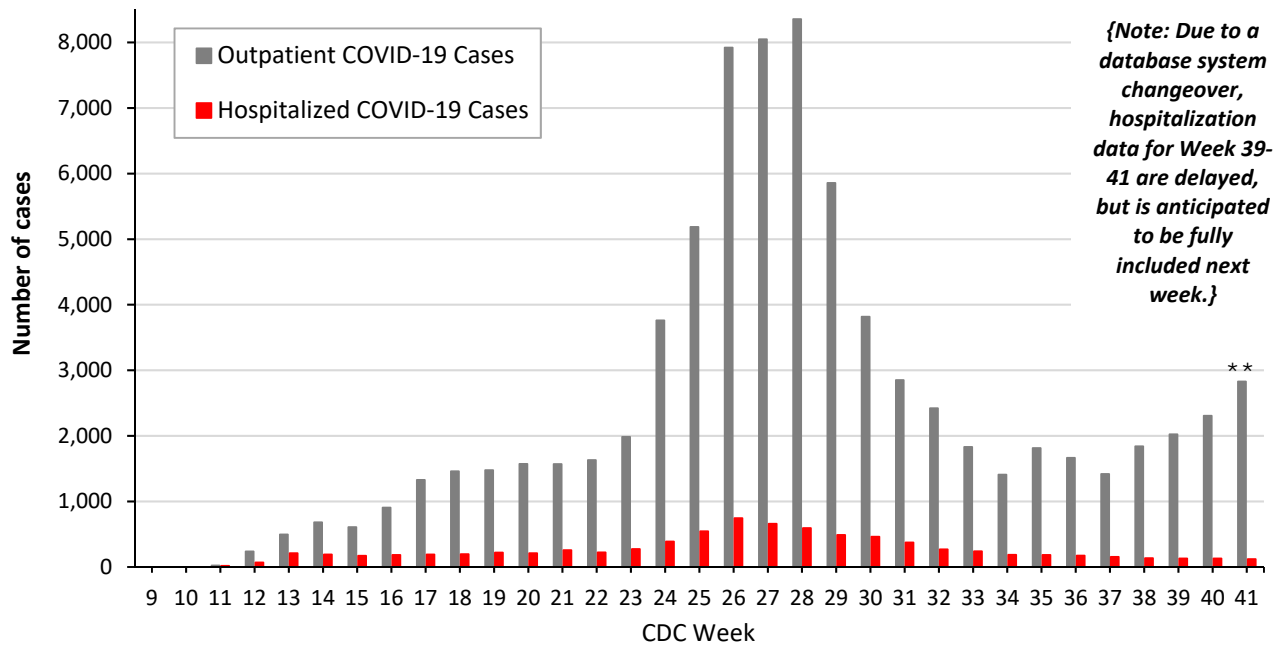
Age Group (in years)	0 to 17		18 to 22		23 to 39		40 to 64		≥65	
	N	%	N	%	N	%	N	%	N	%
March	27	2%	52	4%	430	31%	642	47%	224	16%
April	294	6%	298	6%	1,600	31%	2,303	44%	645	13%
May	755	10%	601	9%	2,403	32%	2,937	39%	770	10%
June	2,378	10%	2,262	9%	9,884	41%	7,836	33%	1,675	7%
July	3,160	12%	2,374	9%	8,854	34%	9,564	36%	2,328	9%
August	1,050	12%	953	11%	2,795	32%	3,108	35%	913	10%
September	908	11%	999	12%	2,856	35%	2,790	34%	675	8%
October (thru 10/16)	564	12%	403	9%	1,584	35%	1,601	35%	417	9%

Table 5. Confirmed and Probable School-Aged Cases (5 to 17 years) by CDC week of test collection

City of Residence	Week 36 (ending 9/5)	Week 37 (ending 9/12)	Week 38 (ending 9/19)	Week 39 (ending 9/26)	Week 40 (ending 10/3)	Week 41 (ending 10/10)
Addison	0	1	1	1	1	0
Balch Springs	3	5	6	2	2	2
Carrollton	2	2	6	8	5	7
Cedar Hill	1	5	3	1	5	9
Cockrell Hill	0	0	2	0	0	0
Combine	0	0	4	0	0	0
Coppell	3	1	0	5	2	3
Dallas	93	62	104	96	125	186
DeSoto	2	5	8	6	3	11
Duncanville	2	5	1	3	5	7
Farmers Branch	2	2	0	6	4	4
Ferris	0	0	0	0	0	0
Garland	15	37	32	31	30	26
Glenn Heights	1	1	1	0	0	0
Grand Prairie	5	14	12	9	20	26
Highland Park	1	0	3	3	2	1
Hutchins	0	0	0	0	0	2
Irving	6	16	16	24	26	35
Lancaster	3	2	3	2	5	7
Lewisville	0	0	0	0	0	0
Mesquite	8	14	13	24	25	37
Ovilla	0	0	0	0	0	0
Richardson	1	6	8	11	6	8
Rowlett	1	1	6	8	13	9
Sachse	0	0	2	2	2	1
Seagoville	2	2	0	2	4	2
Sunnyvale	1	2	1	2	0	1
University Park	0	1	3	5	7	4
Wilmer	0	0	1	0	1	2
Wylie	0	0	0	2	0	0
Unknown	0	0	0	0	2	0
Total	152	184	236	253	295	390

1. Children ages 5 to 17 years of age residing in Dallas County, with positive molecular or antigen test results received as of 8:00 pm yesterday. All data are preliminary and subject to change as cases continue to be investigated
2. Does not include individuals who attend a school in Dallas County, but does not reside in Dallas County. Does not include staff.

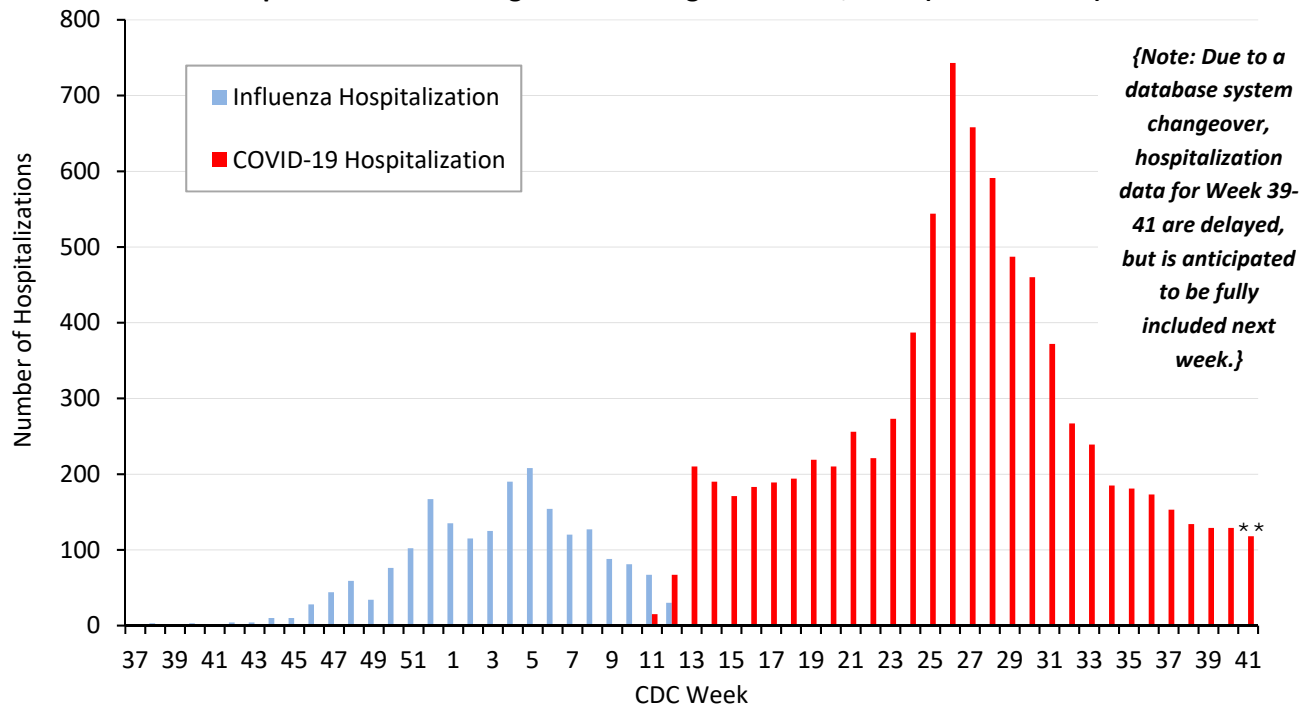
Figure 5. Non-hospitalized and hospitalized confirmed COVID-19 cases by week of test collection, Dallas County: September 2019 through week ending October 10, 2020 (CDC Week 41)*



* Non-hospitalized includes all patients not admitted to acute-care hospitals (e.g. outpatient, urgent care, drive-through, ED-only, LTCF) and diagnosed with confirmed COVID-19. All data are preliminary and subject to change as cases continue to be received and investigated.

** Data are incomplete for the most recent dates. Test results may be reported to DCHHS several days after the result. The reporting lag is calculated as time from specimen collection to receipt of molecular amplification detection test results.

Figure 6. Influenza and confirmed COVID-19 hospitalizations by week of admission, Dallas County: September 2019 through week ending October 10, 2020 (CDC Week 41)*



* Hospitalized Dallas County residents diagnosed with confirmed COVID-19 by molecular amplification detection testing. All data are preliminary and subject to change as cases continue to be received and investigated.

** Data are incomplete for the most recent dates. Test results may be reported to DCHHS several days after the result. The reporting lag is calculated as time from specimen collection to receipt of test results.

Table 6. Characteristics of cumulative hospitalized confirmed COVID-19 cases, Dallas County: March 10 – October 16, 2020

		Hospitalized Cases	%
<i>Ever Hospitalized</i>		N = 8,441	10% of Total Cases
Admitted to Intensive Care Unit		1,980	24%
Mechanical Ventilation		1,070	13%
Sex	Male	4,418	52%
	Female	4,023	48%
Age Group (years)	0-17	224	3%
	18-40	1,979	23%
	41-64	3,679	44%
	≥65	2,559	30%
Presence of ≥1 high risk condition		4,730	56%
Diabetes		2,508	30%
Lung Disease (e.g. COPD, asthma)		891	11%
Heart Disease (e.g. CHF)		1,132	13%
Kidney Disease (e.g. ESRD, dialysis)		886	11%
Cancer, Immune-compromise		583	7%
Obesity		1,443	17%
Race/ Ethnicity	White	1,399	16%*
	Hispanic	4,328	51%*
	Black	1,822	22%*
	Other	296	4%*
	Non-reported/ Unknown	596	7%

* Percentages can also be calculated to exclude cases for which race/ethnicity was not reported

Table 7. Characteristics of cumulative confirmed COVID-19 deaths, Dallas County: March 10 – October 16, 2020

<i>Death classified as confirmed if decedent was a Dallas County resident with a positive molecular test. Data are obtained from ME office, hospitals, and vital statistics.</i>		Confirmed Deaths	% ¹
		N = 1,079	1.2% of Total Cases
Sex	Male	681	63%
	Female	398	37%
Age Group (years)	0-17	2	<1%
	18-40	47	4%
	41-64	349	32%
	≥65	681	63%
Resident of a Long-Term Care Facility		263	24%
Presence of ≥1 high risk condition		799	78%
Diabetes		490	48%
Race/ Ethnicity	White	276	26% (29% of population) ²
	Hispanic	49	46% (41% of population) ²
	Black	261	24% (24% of population) ²
	Asian	30	3% (7% of population) ²

¹ Percentages calculated among those with known underlying health conditions or race/ethnicity as reported by medical provider

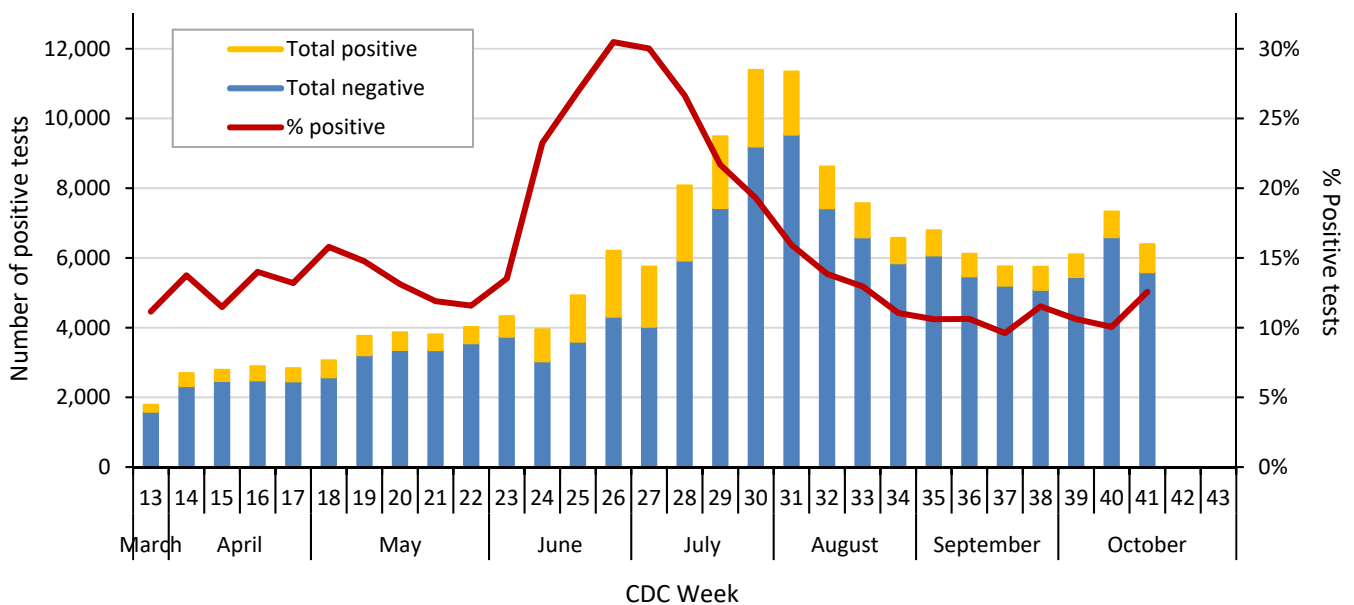
² 2019 U.S. Census population estimates for Dallas County

Table 8. Respiratory virus testing by North Texas hospitals participating in public health surveillance programs: August 2 – October 10, 2020 (CDC Weeks 32-41)¹⁻²

Week Ending		8/8	8/15	8/22	8/29	9/5	9/12	9/19	9/26	10/3	10/10
SARS-CoV-2	Positive	1,194	981	726	720	650	553	662	647	737	803
	Total Tests	8,621	7,570	6,572	6,793	6,119	5,757	5,748	6,098	7,331	6,393
Novel Coronavirus	% Positive	13.8%	13.0%	11.0%	10.6%	10.6%	9.6%	11.5%	10.6%	10.1%	12.6%
Influenza	Positive	0	0	0	0	0	0	0	0	0	0
	Total Tests	129	78	65	136	199	185	190	215	231	91
	% Positive	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Seasonal (non-SARS-2) Coronavirus	Positive	0	0	0	0	0	0	0	0	0	0
	Total Tests	48	35	23	45	62	71	37	72	60	69
	% Positive	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Adenovirus (respiratory)	Positive	0	1	0	1	1	2	0	3	2	1
	Total Tests	111	77	65	128	178	158	136	168	162	69
	% Positive	0%	1.3%	0%	0.8%	0.6%	1.3%	0%	1.8%	1.2%	1.4%
Metapneumovirus	Positive	0	0	0	0	0	0	0	0	0	0
	Total Tests	103	77	65	128	178	158	136	168	162	69
	% Positive	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Rhinovirus/Enterovirus	Positive	7	5	4	16	16	21	21	26	23	21
	Total Tests	111	77	65	128	178	158	136	168	162	69
	% Positive	6.3%	6.5%	6.1%	12.5%	9.0%	13.3%	15.4%	15.5%	14.2%	30.4%
RSV	Positive	0	0	0	0	0	0	0	0	0	0
	Total Tests	117	78	65	113	187	164	147	189	185	91
	% Positive	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Data sources: National Respiratory and Enteric Virus Surveillance System and an additional subset of hospitals voluntarily reporting surveillance PCR data directly to DCHHS. Testing denominators include out-of-county patients and testing performed only through hospitals in Dallas County. (Does not include FEMA drive-thru clinics). Data are incomplete for the most recent dates.

Figure 7. SARS-CoV-2 positive PCR tests reported to DCHHS by hospital laboratories: March 22 – October 10, 2020 (CDC Weeks 26-41)¹⁻²



1. Data received as of 8:00 pm yesterday. All data are preliminary and subject to change as cases continue to be received and investigated.
2. Data are incomplete for the most recent dates. Test results may be reported to DCHHS several days after the result.

Table 9. Transmission risk factors for cumulative confirmed COVID-19 cases, Dallas County

Exposure Risk Factor	Cases (N= 88,834)	% of Total Cases
International Travel	124	0.1%
Domestic Travel (Out-of-state)	325	0.4%
Cruise Ship Travel	14	<0.1%
Long-Term Care Facility (Resident) ¹	1,567	1.8%
County Jail (Inmate)	735	0.8%
State Jail (Inmate-- TDCJ COVID-19 Medical Action Center) ²	96	0.1%
Federal Prison (Inmate) ³	1,396	1.6%
Homeless Shelter	90	0.1%
Meat/Food Processing Facilities	591	0.7%
Close contact or Presumed Community Transmission ⁴	83,394	94.4%

¹ Does not include over 565 COVID-19 cases reported in LTCF staff members employed by the > 112 affected LTCFs.

² Texas Department of Criminal Justice cases are under the jurisdiction of the Texas Department of State Health Services for investigation

³ Federal prison cases are under the jurisdiction of the federal government for investigation, but are now included in total County cases

⁴ Includes: household transmission and cases with no other exposure risk factors identified

Table 10. Summary of weekly COVID-19 hospitalizations and deaths from Dallas County hospitals, Vital Statistics and Medical Examiner’s office¹⁻⁴

Week Ending	08/01	08/08	08/15	08/22	08/29	09/05	09/12	09/19	09/26	10/03	10/10	9/08/19–Present
CDC Week	31	32	33	34	35	36	37	38	39	40	41	Present
COVID-19 hospitalizations ¹	372	267	239	185	181	173	153	134	129	129	118	8,441*
COVID-19 ICU admissions ¹	106	68	63	44	36	22	33	26	19	20	19	1,980*
Probable COVID-19-associated deaths ²	2	3	4	0	0	0	0	0	1	0	0	13*
Confirmed COVID-19-associated deaths ³	79	59	56	42	39	21	17	14	11	11	11	1,079*

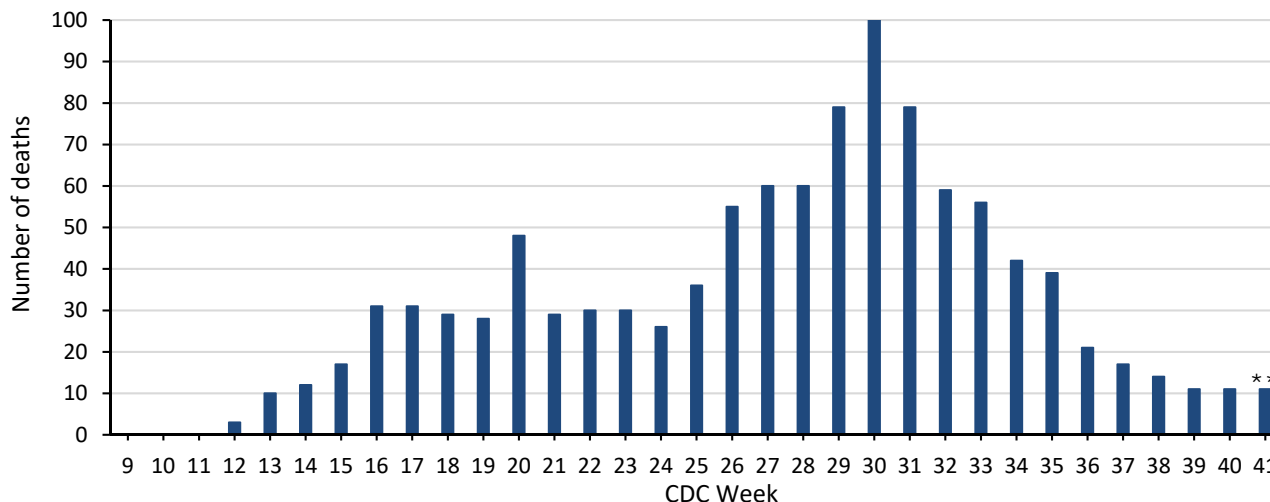
* All data are preliminary and subject to change as cases continue to be received and investigated.

¹ Reflects all COVID-19-associated hospitalizations and intensive care unit admissions reported from area hospitals within Dallas County by week of admission. Hospitalizations are inclusive of ICU admissions. Data are preliminary and include reports received as of 8:00 pm yesterday.

² Probable COVID-19 deaths as defined by CSTE interim case classification criteria--meeting vital records criteria without molecular lab test confirmation.

³ Confirmed COVID-19 deaths as defined by a positive molecular amplification detection test and any of the following: (1) death certificate denotation, (2) medical record documentation of compatible symptoms and clear progression from illness to death, or (3) determination by the County Medical Examiner’s office (ME) of no alternate cause of death. Does not include possible COVID-19 -associated deaths with pending determination of cause of death.

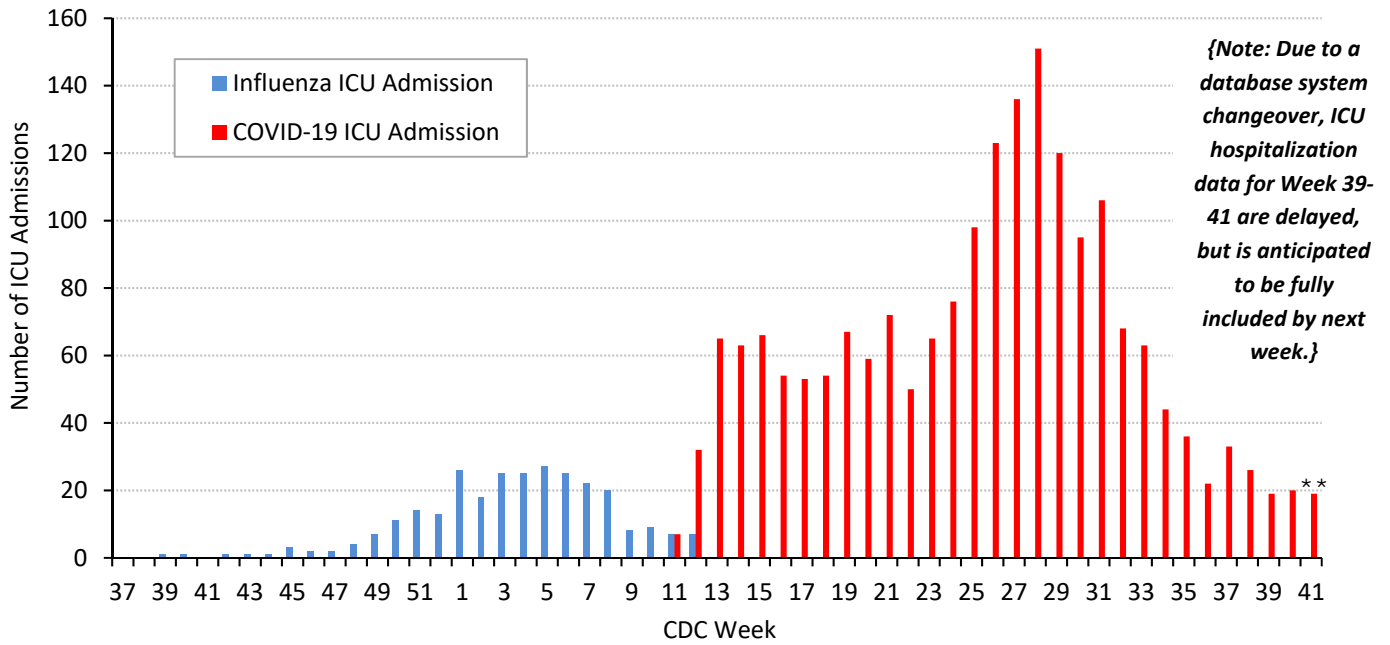
Figure 8. Confirmed COVID-19-associated deaths by week of death, Dallas County: March 2019 through week ending October 10, 2020 (CDC Week 41)*



* Dallas County residents diagnosed with confirmed COVID-19 by molecular amplification detection testing.

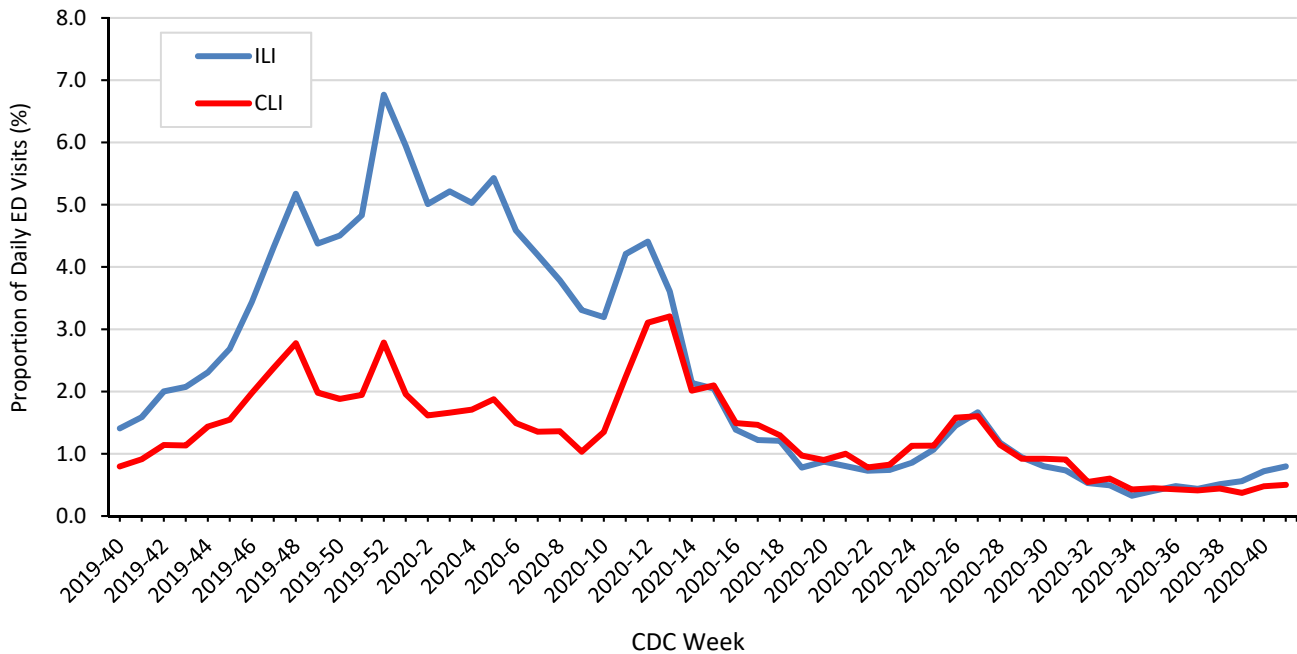
** All data are preliminary and subject to change as cases continue to be received and investigated.

Figure 9. Intensive care unit hospitalizations for influenza and COVID-19 by week of admission, Dallas County: September 2019 through week ending October 10, 2020 (CDC Week 41)*



* New ICU admissions of Dallas County residents reported with confirmed COVID-19 by molecular amplification detection testing as of 8:00 pm yesterday. Hospitalized patients with self-reported residence from outside of Dallas County are not included.
 ** All data are preliminary and subject to change as cases continue to be received and investigated.

Figure 10. Syndromic surveillance of emergency department visits for COVID-like illness (CLI)* and Influenza-like illness (ILI), Dallas County: September 29, 2019 – October 10, 2020 (CDC Week 41)**



ESSENCE Data is from 18 hospital emergency departments voluntarily reporting numbers of persons presenting with self-reported chief complaints.
 * CLI is defined as chief complaint of fever and cough or shortness of breath or difficulty breathing.
 **ILI is defined as chief complaint of fever and cough or sore throat or mention of influenza.

Table 11. Cumulative COVID-19 cases by city of residence within Dallas County as of October 16, 2020*(e.g. Does not include cases who reside in portions of cities which are not within Dallas County.)*

<i>City of Residence</i>	Confirmed Cases (N=88,834)	Probable Cases (N=4,494)	Total Confirmed + Probable Cases reported in 14 day period from 9/20 – 10/3*	Estimated COVID-19 Prevalence (%) in 14 day period from 9/20 – 10/3** (lower – upper estimate range)
Addison	378	20	37	0.68 - 2.28
Balch Springs	974	49	54	0.65 - 2.16
Carrollton	1,505	72	91	0.48 - 1.60
Cedar Hill	1,430	61	81	0.51 - 1.71
Cockrell Hill	190	3	12	0.87 - 2.89
Combine	11	0	0	N/A
Coppell	495	119	49	0.36 - 1.21
Dallas	46,073	2,241	2,510	0.60 - 1.99
DeSoto	1,633	22	107	0.61 - 2.02
Duncanville	1,445	55	89	0.69 - 2.30
Farmers Branch	816	64	63	0.39 - 1.31
Ferris	5	0	0	N/A
Garland	8,026	75	373	0.47 - 1.56
Glenn Heights	202	10	5	0.15 - 0.49
Grand Prairie	4,504	477	314	0.71 - 2.35
Highland Park	110	41	24	0.79 - 2.64
Hutchins	249	2	8	0.41 - 1.36
Irving	8,736	305	544	0.68 - 2.27
Lancaster	1,354	29	73	0.56 - 1.86
Lewisville	1	1	0	N/A
Mesquite	4,988	364	298	0.63 - 2.12
Ovilla	1	0	0	N/A
Richardson	1,556	131	136	0.47 - 1.57
Rowlett	1,197	24	94	0.48 - 1.59
Sachse	258	6	25	0.42 - 1.40
Seagoville	2,002	30	17	0.30 - 1.01
Sunnyvale	158	25	13	0.57 - 1.90
University Park	303	263	86	1.03 - 3.44
Wilmer	224	4	4	0.25 - 0.84
Wylie	10	1	2	0.97 - 3.23
Dallas County	88,834	4,494	5,109	0.58 - 1.94

*Sum of confirmed and probable cases by date of test collection, for 14 day timeframe from: September 20– October 3, 2020. Most recent 2 weeks not included due to average reporting lag of 9.0 days. Case numbers are only for portions of each city which are within Dallas County.

**Estimated COVID-19 prevalence rate ranges calculated based on: Fox SJ, Lachmann M, Meyers LA. "COVID-19 Campus Introduction Risks for School Reopenings" presented to the TEA on July 22, 2020. Denominator populations are only for portions of each city which are within Dallas County.

https://sites.cns.utexas.edu/sites/default/files/cid/files/covid-19_school_introduction_risks.pdf?m=1595468503

Table 12. Summary of weekly COVID-19 confirmed and probable cases and deaths, Dallas County (CDC Weeks 37 - 41)

CDC Week	Week Ending	Total Confirmed and Probable Cases	Total School-Aged Cases (5 to 17 years)	Daily Average New Confirmed and Probable Cases*	Daily Average New Confirmed and Probable Deaths**	Percentage of Tests Positive for SARS-CoV-2***
37	9/12/2020	1,859	184	266	2	9.6%
38	9/19/2020	2,200	236	314	2	11.5%
39	9/26/2020	2,430	253	347	2	10.6%
40	10/3/2020	2,683	295	383	2	10.1%
41	10/10/2020	3,171	390	453	2	12.6%

* For 7-day time period for respective CDC week by date of test collection;

** For 7-day time period for respective CDC week by date of death

*** See Table 6 for historical data

Many Thanks to:

Our area hospitals and healthcare providers for reporting lab-confirmed COVID-19 cases

Our DCHHS Case and Contact Investigations Team volunteers from:

Dallas County Medical Society
UT Southwestern Medical School
Texas A&M College of Medicine
UTHealth School of Public Health
Retired School Nurses

New COVID-19 cases are reported as a daily aggregate, with this cumulative summary updated Tuesdays and Fridays.

DCHHS COVID-19 Summaries and Case Report Form are accessible at:

<https://www.dallascounty.org/departments/dchhs/2019-novel-coronavirus.php>

DCHHS Acute Communicable Disease Epidemiology Division: COVID-19@dallascounty.org