



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

May 5, 2020

- As of May 5, 2020, DCHHS is reporting 253 additional cases of 2019 novel coronavirus (COVID-19), bringing the total case count in Dallas County to 4,623, including 121 confirmed deaths.
- Of 971 cases requiring hospitalization, two-thirds (66%) were under 65 years of age, and about half did not have any chronic health conditions. Diabetes has been an underlying high-risk health condition reported in under a third of all hospitalized patients with COVID-19.
- Of cases requiring hospitalization who reported employment, over 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.
- Thirty-six percent (36%) of deaths have been associated with long-term care facilities.
- The percentage of respiratory specimens testing positive for SARS-CoV-2 was 11.1% at area hospitals in week 17.

Figure 1. Daily and Cumulative COVID-19 Cases by Date of Test collection, Dallas County: March 10 – May 5, 2020*

*The data in this summary reflect cumulative PCR tests received as of 8:00 pm, May 4, 2020. All data are preliminary and subject to change as cases represented are being actively investigated, and may be updated between press releases. Includes only cases in Dallas County residents.

**Reporting lag = Time from specimen collection to receipt of test results

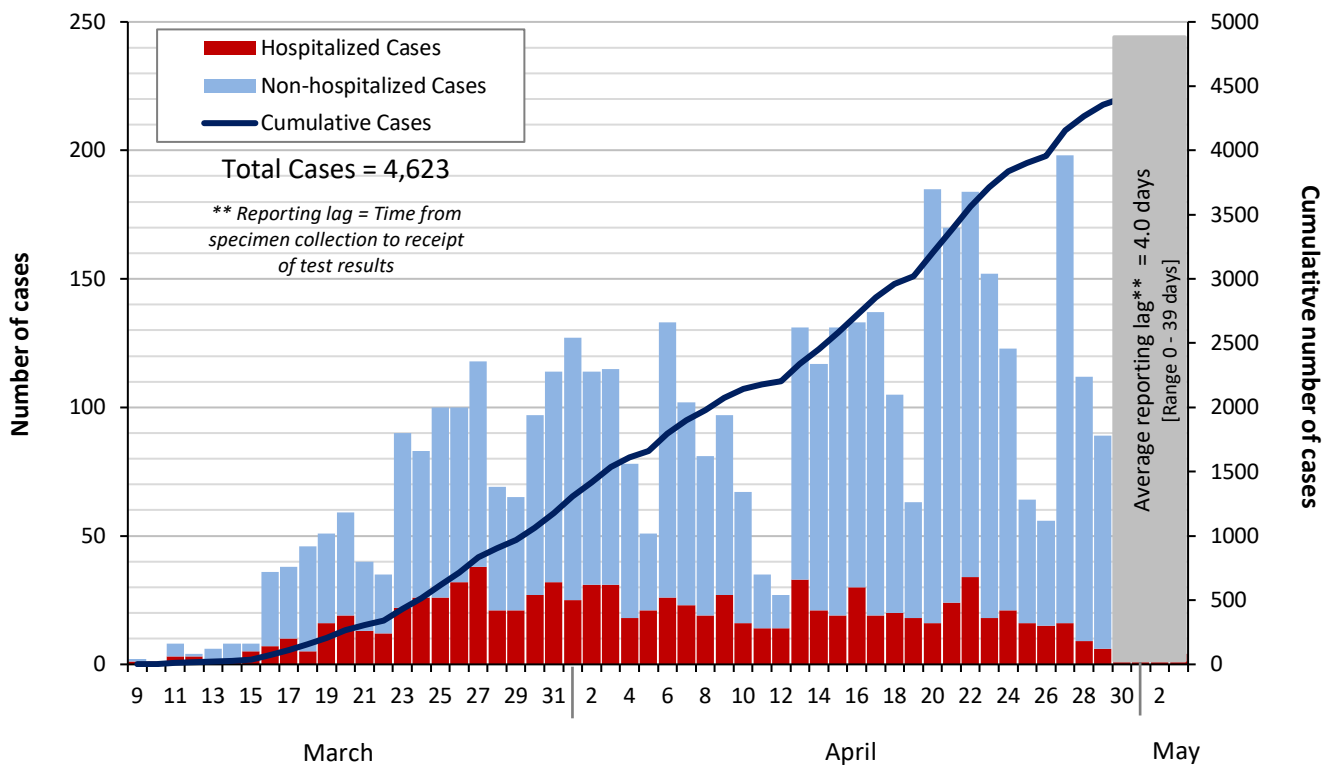


Table 1. Source of Laboratory Testing for Reported Confirmed Cases of COVID-19, Dallas County

Source of Laboratory Testing for Reported Positive PCR Tests	# Tests (N=4,623)	% of Total Cases
Commercial or Hospital Laboratory*	4,094	88%
Dallas LRN Laboratory	491	11%
Other Public Health Laboratory	38	1%

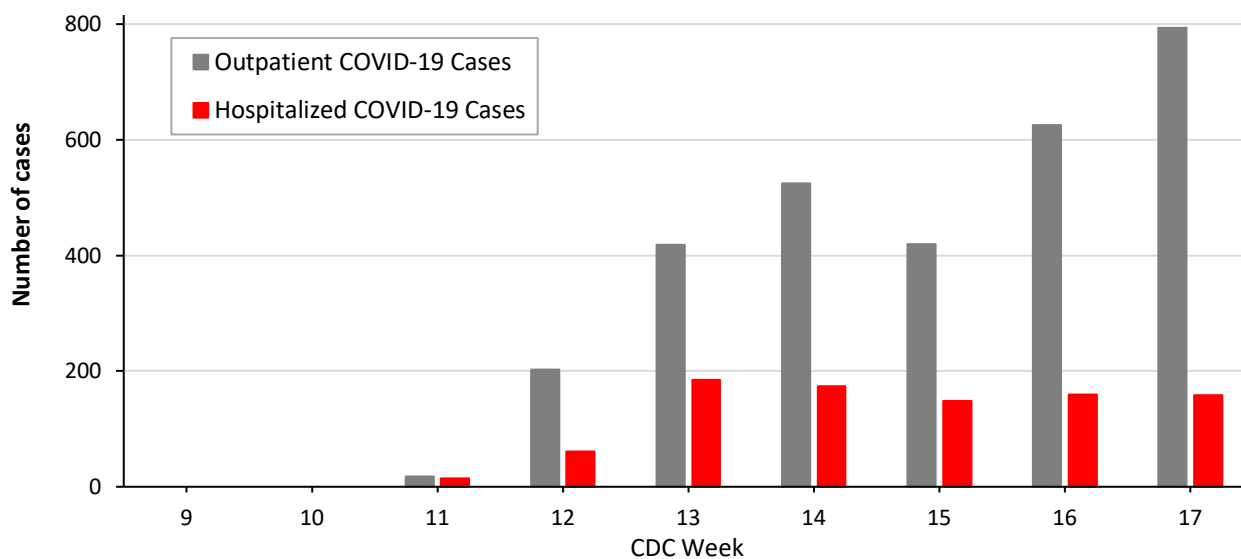
* Includes: AIT, ARUP, CPL, Excelsior, LabCorp, Magnolia, Medfusion, Prism, Quest, Viracor, and multiple hospital laboratories

Table 2. Characteristics of Cumulative Confirmed COVID-19 Cases, Dallas County: March 9 – May 4, 2020

		All Cases	
		N = 4,623	% of Total Cases*
Age Group (years)	0 to 17	188	4%
	18 to 40	1,684	38%
	41 to 64	1,921	43%
	≥65	678	15%
Sex	Female	2,064	46%
	Male	2,450	54%
Not Hospitalized (Outpatient/ Urgent Care/ Drive-through/ ED)		3,652	79%
Ever Hospitalized		971	21%

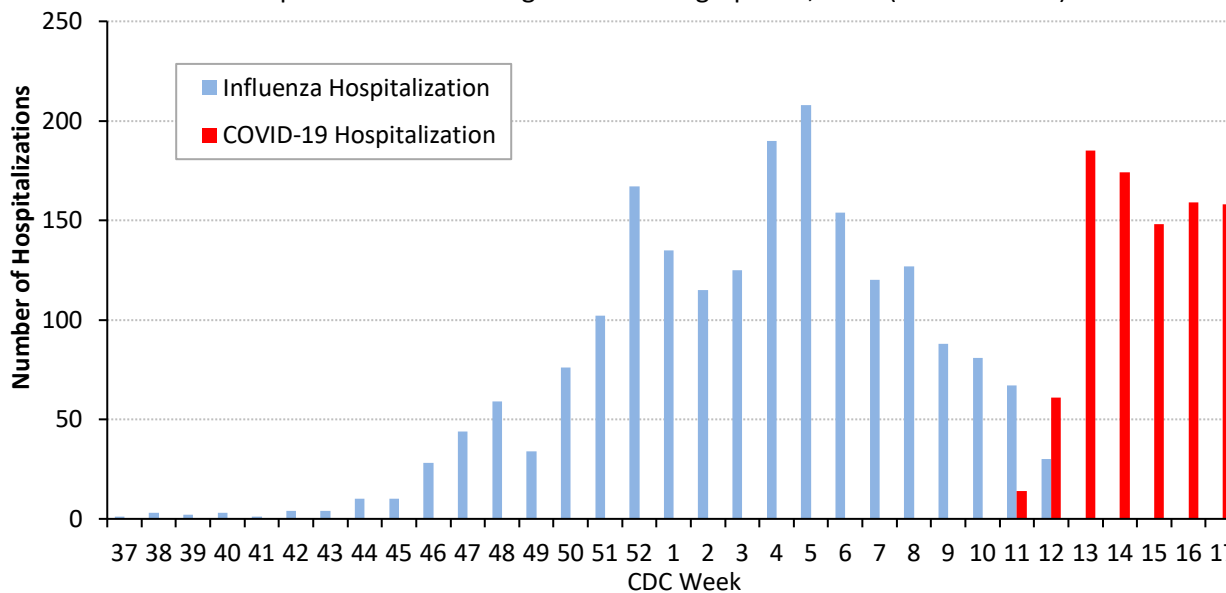
*Percentages calculated among cases with known age/sex

Figure 2. Non-Hospitalized* and Hospitalized COVID-19 Cases by Week of Test Collection, Dallas County: September 2019 through week ending April 25, 2020 (CDC Week 17)*



*Non-hospitalized includes all patients not admitted to acute-care hospitals (e.g. clinics, drive-through testing, LTCF residents, urgent care)

Figure 3. Influenza and COVID-19 Hospitalizations by Week of Admission, Dallas County: September 2019 through week ending April 25, 2020 (CDC Week 17)*



*Patients diagnosed with confirmed COVID-19 by PCR testing. All data are preliminary and subject to change as cases represented are being actively investigated, and may be updated between press releases. Includes only cases in Dallas County residents.

Table 3. Characteristics of Cumulative Hospitalized Confirmed COVID-19 Cases, Dallas County: March 10 – May 4, 2020

		Hospitalized Cases	%
<i>Ever Hospitalized</i>		N = 971	21% of Total Cases
Admitted to Intensive Care Unit		292	30%
Mechanical Ventilation		186	19%
Sex	Male	554	57%
	Female	417	43%
Age Group (years)	0-17	9	1%
	18-40	169	17%
	41-64	463	48%
	≥65	330	34%
Presence of ≥1 high risk condition		464	48%
Diabetes		260	27%
Lung Disease (e.g. COPD, asthma)		122	13%
Heart Disease (e.g. CHF)		131	14%
Kidney Disease (e.g. ESRD, dialysis)		85	9%
Cancer, Immune-compromise		85	9%
Pregnancy		13	1%
Race/ Ethnicity	White	152	16%*
	Hispanic	385	40%*
	Black	209	22%*
	Other	39	4%*
	Non-reported/ Unknown	122	13%

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

Table 4. Characteristics of Cumulative Hospitalized Confirmed COVID-19 Deaths, Dallas County: March 10 – May 4, 2020

<i>Death classified as confirmed if decedent was a Dallas County resident with a positive COVID-19 PCR test. Data are obtained from ME, hospitals, and vital statistics.</i>		Confirmed Deaths	%
		N = 121	3% of Total Cases
Sex	Male	81	67%
	Female	40	33%
Age Group (years)	17-40	8	7%
	41-64	25	20%
	≥65	88	73%
Resident of a Long-Term Care Facility		43	36%
Presence of ≥1 high risk condition		74	70%**
Diabetes		38	36%**
Race/ Ethnicity	White	44	36% (29% of population)†
	Hispanic	39	32% (41% of population)†
	Black	28	23% (24% of population)†
	Other	6	5% (6% of population)†

** Percentages are of cases for which underlying health conditions were reported

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

Table 5. Respiratory Virus Testing by North Texas Hospitals: March 22 – April 25, 2020 (CDC Weeks 13-17)

Week Ending	3/28/20		4/4/20		4/11/20		4/18/20		4/25/20	
PCR Tests for:	Positive/ Total Tests	% Positive	Positive/ Total Tests	% Positive	Positive/ Total Tests	% Positive	Positive/ Total Tests	% Positive	Positive/ Total Tests	% Positive
SARS-CoV-2 Novel Coronavirus	199 /1,816	11.0%	370 /2,736	13.5%	327 /2,920	11.2%	364 /3,221	11.3%	378 /3,409	11.1%
Influenza	14 /1,772	0.8%	5 /1,067	0.4%	1 /308	0.3%	0 /560	0%	1 /442	0.2%
Seasonal (non-SARS-2) Coronavirus	15 /1,123	1.3%	9 /545	1.7%	0 /293	0%	1 /456	0.2%	0 /202	0%
Adenovirus (respiratory)	15 /1,129	1.3%	11 /560	2.0%	5 /293	1.7%	3 /440	0.7%	2 /362	0.6%
Metapneumovirus	114 /1,129	10.1%	29 /630	4.6%	14 /293	4.8%	6 /444	1.4%	2 /362	0.6%
Rhinovirus/Enterovirus	99 /1,129	8.8%	43 /630	6.8%	18 /293	6.1%	20 /444	4.5%	16 /362	4.4%
RSV	10 /1,272	0.8%	4 /763	0.5%	1 /350	0.3%	1 /461	0.2%	0 /370	0%

Data sources: National Respiratory and Enteric Virus Surveillance System and additional hospitals voluntarily reporting 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)

Table 6. Transmission Risk Factors for Cumulative Confirmed COVID-19 Cases, Dallas County

Exposure Risk Factor	Cases (N= 4,623)	% of Total Cases
International Travel	58	1.3%
Domestic Travel (Out-of-state)	121	2.6%
Cruise Ship Travel	9	0.2%
Long-Term Care Facility (Residency)	282	6.1%
County Jail (Inmate)	248	5.4%
State Jail (Inmate-- TDCJ COVID-19 Medical Action Center)*	22	0.5%
Homeless Shelter	45	1.0%
Meat/Food Processing Facilities	56	1.2%
Close contact or Presumed Community Transmission**	3,782	81.8%

*TDCJ cases are under the jurisdiction of the Texas Department of State Health Services

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

Table 7. Summary of Influenza and COVID-19 Hospitalizations and Deaths from Dallas County Hospitals, Vital Statistics and Medical Examiner's Office

Week Ending	03/07	03/14	03/21	03/28	04/04	04/11	04/18	04/25	05/02	9/08/19– Present
CDC Week	10	11	12	13	14	15*	16*	17*	18*	
Influenza hospitalizations ¹	81	67	30	N/A	N/A	N/A	N/A	N/A	N/A	1,990
Influenza ICU admissions ¹	9	7	7	N/A	N/A	N/A	N/A	N/A	N/A	281
Confirmed influenza-associated deaths ²	2	0	0	N/A	N/A	N/A	N/A	N/A	N/A	25
COVID-19 hospitalizations ³	0	14	61	185	174	148*	159*	158*	70*	971*
COVID-19 ICU admissions ³	0	7	28	59	60	47*	40*	38*	13*	292*
Confirmed COVID-19-associated deaths	0	0	3	11	8	16*	31*	26*	22*	121*

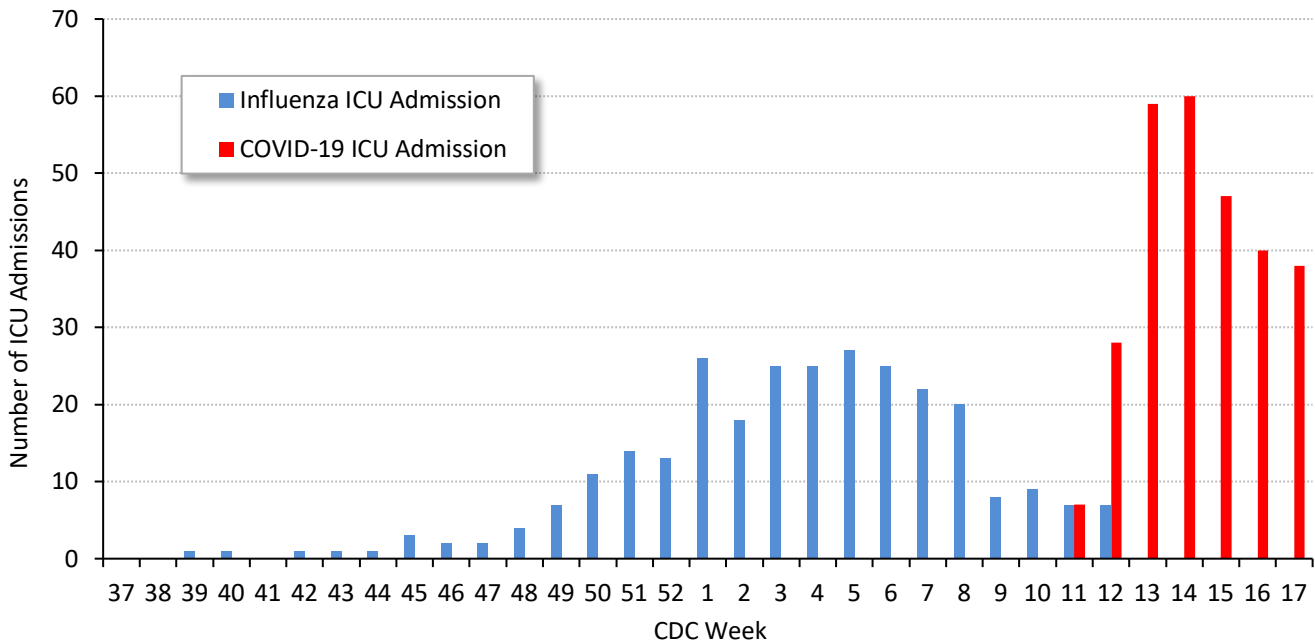
*All data are preliminary and subject to change as additional information is received.

¹ Reflects all influenza-associated hospitalizations reported from 14 hospitals located within Dallas County by week of any positive influenza tests.

² Confirmed influenza-associated deaths as defined by a positive laboratory 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 influenza-associated deaths with pending determination of primary cause of death.

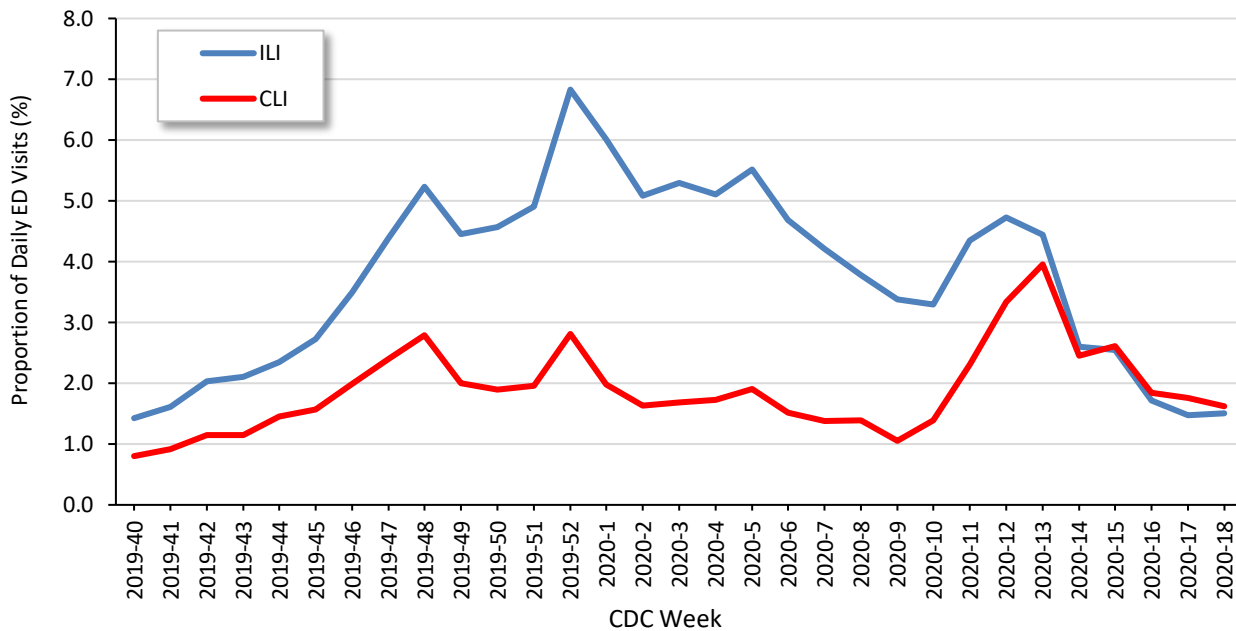
³ Reflect all COVID-19-associated hospitalizations reported from area hospitals within Dallas County by week of admission; data as of 7:00 pm yesterday.

Figure 4. Intensive Care Unit Hospitalizations for Influenza and COVID-19 by Week of Admission, Dallas County: September 2019 through week ending April 25, 2020 (CDC Week 17)*



* Patients diagnosed with confirmed COVID-19 by PCR testing. The data in this summary reflect cumulative data received as of 7:00 pm yesterday. All data are preliminary and subject to change as cases represented are being actively investigated, and may be updated between press releases. Includes only cases in Dallas County residents.

Figure 5. Syndromic Surveillance of Emergency Department Visits for COVID-like Illness (CLI)* and Influenza-like Illness (ILI), Dallas County: September 29, 2019 – April 25, 2020**



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 8. Occupations of Hospitalized Patients with Confirmed COVID-19, Dallas County, 3/10 – 5/3/20

Occupation	Position	Sector
Critical Infrastructure Workers*	Hospitalized Cases (%) of Total Employed	
Healthcare and Public Health		50 (18%)
	<i>Nurse, LVN, CNA</i>	13
	<i>Physician</i>	5
	<i>Other: Dentist, dietary, home health, medical assistant, mental health, PCT, pharmacist, physical therapy, facilities, administrative</i>	29
Transportation and Logistics		44 (16%)
	<i>Airline/Airport</i>	10
	<i>Parcel or postal delivery</i>	7
	<i>Cab/rideshare or bus driver</i>	7
	<i>Other: Mechanic, truck driver, freight, railroad</i>	20
Food and Agriculture		41 (15%)
	<i>Grocery</i>	13
	<i>Restaurant</i>	15
	<i>Other: Food processing, production, supply</i>	13
Other Community/Government Essential Functions		19 (8%)
	<i>Clergy (Pastor, priest)</i>	6
	<i>Education (Teacher, administration)</i>	5
	<i>Judicial system (Attorney)</i>	4
	<i>Real estate services</i>	3
Public Works and Infrastructure Support Services		22 (8%)
	<i>Construction/Contractor</i>	15
Financial (<i>Accounting, bank, insurance</i>)		14 (5%)
Communications and Information Technology		12 (4%)
Commercial Facilities (<i>Building materials, painting, warehouse</i>)		11 (4%)
Hygiene Services (<i>Custodian, Lawn Service</i>)		9 (3%)
Law Enforcement, Public Safety, First Responders		7 (3%)
Critical Manufacturing (<i>Manufacturing metal, packaging</i>)		4 (2%)
Energy/Utilities (<i>Electricity, petroleum, gas</i>)		2 (1%)
Non- Critical Infrastructure Workers (Includes retail, personal services)		42 (15%)
Non-Employed (Includes retired)		265
Student		4
Not reported		426
Total		972

* Includes only residents of Dallas County with self-reported occupational information. All data is preliminary and subject to change.

**CISA Advisory Memorandum on Identification of Essential Critical Infrastructure Workers During COVID-19 Response, April 17, 2020.

Table 8. Cumulative COVID-19 Cases by City of Residence within Dallas County as of May 4, 2020

(e.g. Does not include cases who reside in portions of cities which are not within Dallas County.)

City of Residence	Cases (N=4,623)	% of Total Cases
Addison	19	0.4%
Balch Springs	42	0.9%
Carrollton	51	1.1%
Cedar Hill	64	1.4%
Cockrell Hill	7	0.2%
Coppell	27	0.6%
Dallas	2,545	55.1%
DeSoto	105	2.3%
Duncanville	66	1.4%
Farmers Branch	58	1.3%
Garland	440	9.5%
Glenn Heights	15	0.3%
Grand Prairie	172	3.7%
Highland Park	18	0.4%
Hutchins	24	0.5%
Irving	473	10.2%
Lancaster	76	1.6%
Mesquite	207	4.5%
Richardson	92	2.0%
Rowlett	57	1.2%
Sachse	13	0.3%
Seagoville	10	0.2%
Sunnyvale	7	0.2%
University Park	25	0.5%
Wilmer	9	0.2%
Wylie	1	0.0%

CDC Priorities for COVID-19 Testing (rev. date: 4/27/20)

(See CDC Guidance for Evaluating and Reporting Persons Under Investigation (PUI) at:

<https://www.cdc.gov/coronavirus/2019-nCoV/hcp/clinical-criteria.html>)**High Priority**

- Hospitalized patients
- Healthcare facility workers, workers in congregate living settings, and first responders **with** symptoms
- Residents in long-term care facilities or other congregate living settings, including prisons and shelters, with symptoms
- Persons identified through public health cluster and selected contact investigations

Priority

- Persons with symptoms of potential COVID-19 infection, including: fever, cough, shortness of breath, chills, muscle pain, new loss of taste or smell, vomiting or diarrhea and/or sore throat
- Persons without symptoms who are prioritized by health departments or clinicians, for any reason, including but not limited to: public health monitoring, sentinel surveillance, or screening of other asymptomatic individuals according to state and local plans.

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