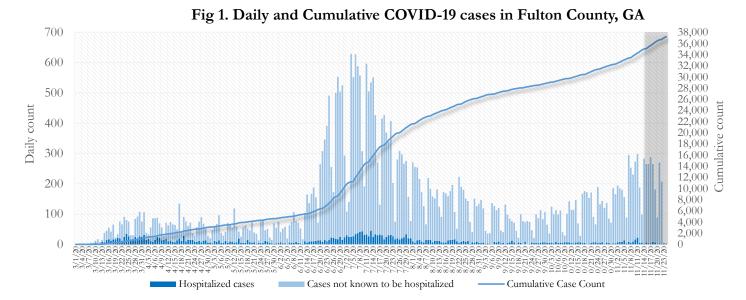


Fulton County Board of Health Epidemiology Report

COVID-19 Cases - 12/1/2020

SUMMARY

- As of December 1, 2020, Fulton County has recorded **37,504** cases of the **2019** novel coronavirus (COVID-19) and **670** confirmed **COVID-19** deaths. 79 deaths are currently being reviewed by GA DPH to confirm cause of death.
- Of the **3,445** new cases between November 11 and November 24, the central portion of the county (Atlanta) accounted for 43% while the northern and southern parts accounted for 35% and 17% respectively.
- By city, new COVID-19 case rates range from 228.7 per 100,000 persons (Palmetto) to 394.3 per 100,000 persons (Fairburn). [Fulton County Diagnoses Rates (per 100,000 persons): Cumulative 3412.0; Incidence –313.4]. See map showing incidence case rate by ZIP code on Pg.17.
- Among all persons diagnosed with COVID-19 in Fulton County since July 1, 5.8% required hospitalization and 1.2% died.
- Of all testing done in Fulton County between November 9 and November 22, the percent positivity rate was 5.6%.



*Counts shown reflect the number of confirmed cases as of 10:15 pm on 11/30/20 using the date of first positive sample collection. Where date of sample collection was not available or missing, the date of report creation in GA SENDSS was used instead. **Note:** Delays in data reporting may cause changes in data counts, particularly in the shaded portion. Data throughout this report are preliminary and subject to ongoing data cleaning processes, and thus are subject to change. This report includes data on confirmed PCR tests only. For data on antigen testing, see the **GA DPH County Indicator Reports here**.

DISTRIBUTION OF COVID-19 CASES BY REGION

New cases: 43% of the new COVID-19 cases in the past 2 weeks occurred in Atlanta while 35% and 17% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative	% New	
runon Region	count	cases*	
Atlanta	44.1%	42.8%	
North ¹	30.0%	35.2%	
South ²	19.8%	16.7%	
Unincorporated/Unknown	6.1%	5.3%	

¹Includes all Fulton County cities north of Atlanta (Alpharetta, Johns Creek, Milton, Mountain Park, Roswell, Sandy Springs) | ²Includes all cities south of Atlanta (Chattahoochee Hills, College Park, East Point, Fairburn, Hapeville, Palmetto, South Fulton, and Union City) *New cases: Cases diagnosed in the past 2 weeks only (between 11/11/20 - 11/24/20).

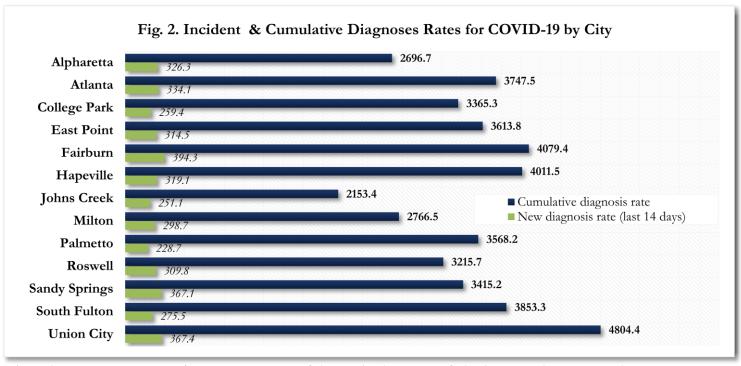
In the recent two week reporting period (11/11-11/24), there were more new cases of COVID-19 in Fulton County than the previous two weeks (10/28-11/10).

*Delayed a week to account for testing results turnaround time.

COVID-19 CASE COUNTS AND RATES BY CITY

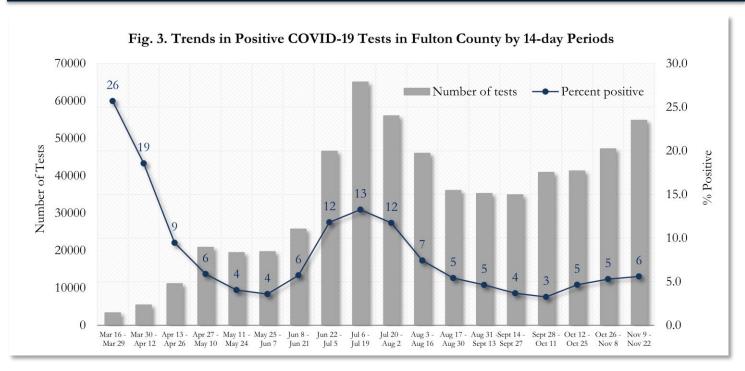
	Prior (11/24/20)	Current Total (12/1/20)			New Cases (Period: 10/28/20 – 11/24/20) ¹			
	Count	Count	0/0	Cum. Rate ²	Recent 14 d. (11/11– 11/24)	Prior 14 d. (10/28– 11/10)	% change ³	Rate ⁴ (Last 14 d).
Alpharetta	1669	1744	4.7%	2696.7	211	127	↑ 66.1%	326.3
Atlanta	16049	16533	44.1%	3747.5	1474	947	↑ 55.6%	334.1
Chattahoochee Hills	1	1	0.0%	-	0	0	-	-
College Park	455	467	1.2%	3365.3	36	19	↑ 89.5%	259.4
East Point	1231	1264	3.4%	3613.8	110	42	† 161.9%	314.5
Fairburn	583	600	1.6%	4079.4	58	31	↑ 87.1%	394.3
Hapeville	259	264	0.7%	4011.5	21	<10	↑ 200.0%	319.1
Johns Creek	1704	1801	4.8%	2153.4	210	163	↑ 28.8%	251.1
Milton	1016	1056	2.8%	2766.5	114	97	↑ 17.5%	298.7
Mountain Park	10	10	0.0%	1600.0	0	<10	-	-
Palmetto	154	156	0.4%	3568.2	10	11	↓ 9.1%	228.7
Roswell	2936	3031	8.1%	3215.7	292	159	† 83.6%	309.8
Sandy Springs	3450	3600	9.6%	3415.2	387	254	↑ 52.4%	367.1
South Fulton	3561	3665	9.8%	3853.3	262	167	↑ 56.9%	275.5
Union City	984	1007	2.7%	4804.4	77	54	† 42.6%	367.4
Unknown	3442	2305	6.1%	-	179	56	-	-

*New cases: Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. *Cumulative diagnosis rate: Population estimates from US Census Bureau used to calculate cumulative diagnoses rate. All rates shown are per 100,000 persons. *3% change: These reflect the percentage increase or decrease in new diagnoses between the 14 days preceding the most recent 7 days and the 14 days preceding that. *(Incidence) Rate: Rate of new diagnoses in the last 14 day period preceding the immediate past week. **Data cleaning (either during case interviews or address geo-coding) may lead to reassignment of few cases from one territory to another based on their corrected addresses. These may appear as "decreases" when compared to the previous day's count. These do not reflect errors in the data collection or analysis process but only reflect the minor day-to-day fluctuations in case counts that arise in an evolving public health database like COVID's. Note: All data reported are preliminary and subject to change.

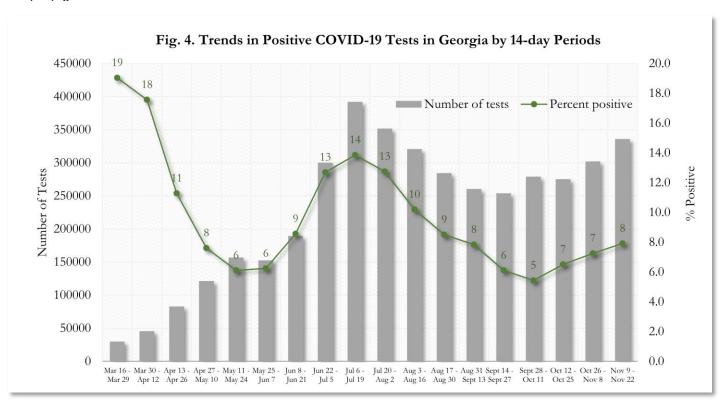


^{*}Rates shown are per 100,000 persons | **Note:** Mass testing in specific locations (e.g. long term care facilities) may cause sharp increases in the cumulative rate of COVID-19 diagnosis in those territories. All data shown are preliminary and are subject to change as testing results get updated.

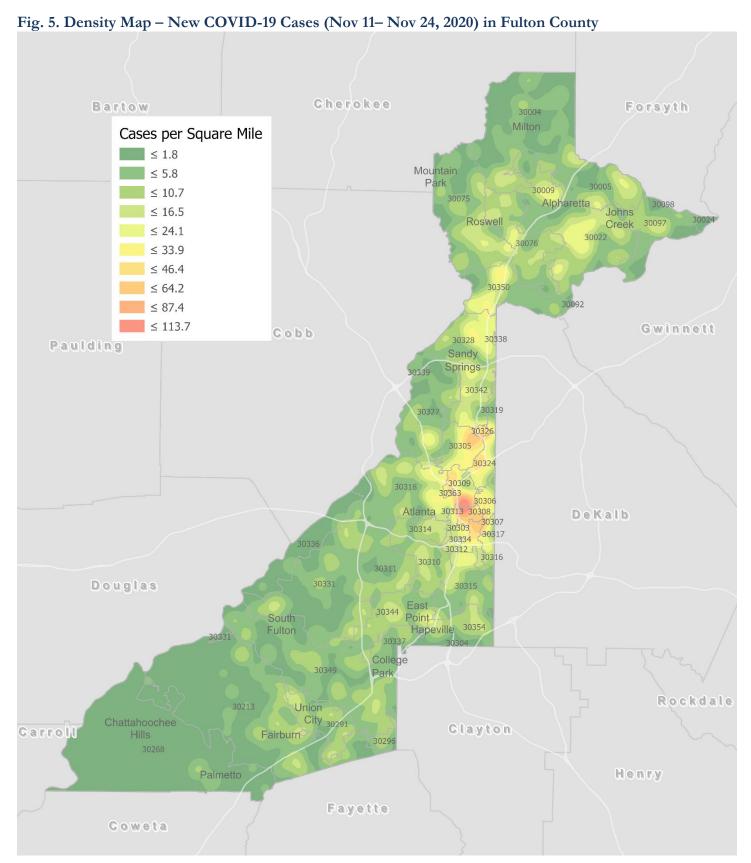
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY AND GEORGIA



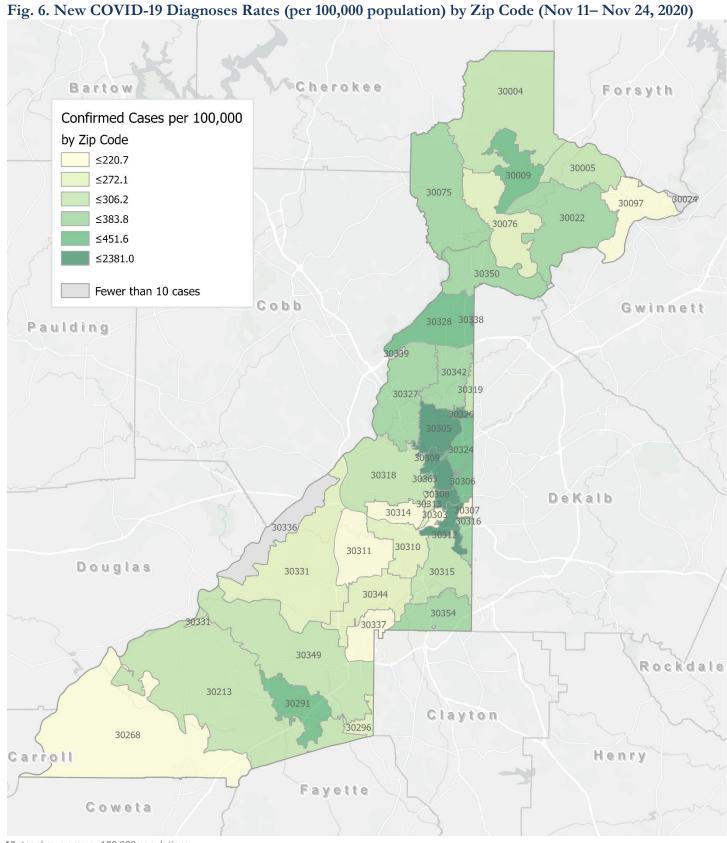
*Data on Polymerase Chain Reaction (PCR) tests only included. This rate is subject to change as more test results are reported. An increase of testing in advance of the holiday may affect the recent rate.



^{*}Data on Polymerase Chain Reaction (PCR) tests only included. This rate is subject to change as more test results are reported. An increase of testing in advance of the holiday may affect the recent rate.



<u>New COVID-19 cases:</u> Cases diagnosed in most recent 14 days (based on reported dates of positive sample collection). To allow for lag in reporting results of positive cases from samples collected in the immediate past 7 days, data used for incident diagnoses analyses are moved back by one week. Map reflects new COVID-19 cases diagnosed between Nov 11^{th} and Nov 24^{h} , 2020 across Fulton County, excluding LTCF cases.



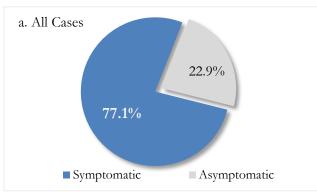
*Rates shown are per 100,000 populations.

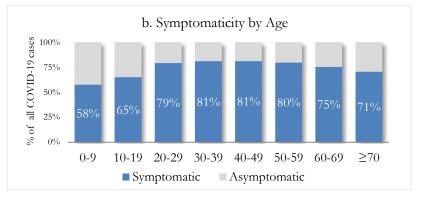
New COVID-19 cases: Cases diagnosed in most recent 14 days (based on reported dates of positive sample collection). To allow for lag in reporting results of positive cases from samples collected in the immediate past7 days, data used for incident diagnoses analyses are moved back by one week. Data used excludes outbreak-related cases at long-term care facilities and map shown reflects only the new non-LTCF cases diagnosed between the dates shown in map title. See page 17 for zip code break down table.

REPORTING SYMPTOMS AMONG PERSONS WITH COVID-19 IN FULTON

People with COVID-19 have reported a wide range of symptoms ranging from mild symptoms to severe illness. Symptoms may appear 2-14 days after exposure to the virus. Symptoms reported include: cough, shortness of breath/difficulty breathing, fever, chills, muscle pain, headache, sore throat, congestion, nausea or vomiting, diarrhea, or new loss of taste or smell – Centers for Disease Control and Prevention (CDC) https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html

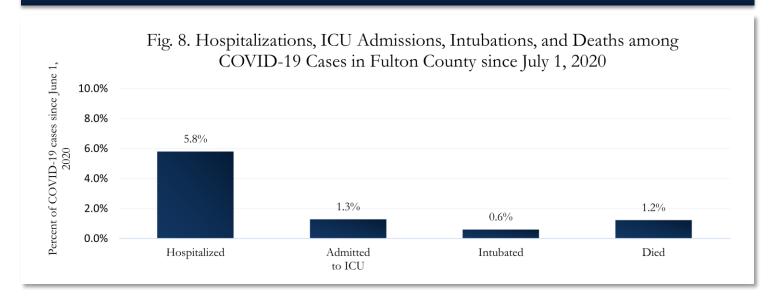
Fig. 7a & b. Total Proportion Reporting Symptoms in Fulton County





^{***}COVID-19 cases who have been case interviewed or had medical charts reviewed as of 11/30/20 only. n = 25,716***

COVID-19 HOSPITALIZATIONS, ICU ADMISSIONS AND DEATHS IN FULTON



DEMOGRAPHIC DISTRIBUTIONS – COVID-19 CASES AND DEATHS

A. Distribution of COVID-19 cases by gender, age, and race in Fulton County by Fulton Region

		North Fulton Cities ¹	Atlanta	South Fulton Cities ²	Unknown City	All Fulton
		Count (%)	Count (%)	Count (%)	Count (%)	Count (%)
Total	COVID-19 cases	11242	16533	7424	2305	37504
Gende	er: Female	5784 (51.4%)	8193 (49.6%)	4235 (57.0%)	1136 (49.3%)	19348 (51.6%)
	Male	5349 (47.6%)	8072 (48.8%)	3121 (42.0%)	1110 (48.2%)	17652 (47.1%)
	Unknown*	109 (1.0%)	268 (1.6%)	68 (0.9%)	59 (2.6%)	504 (1.3%)
Age:	0-9	370 (3.3%)	334 (2.0%)	250 (3.4%)	55 (2.4%)	1009 (2.7%)
	10-19	1577 (14.0%)	1214 (7.3%)	548 (7.4%)	155 (6.7%)	3494 (9.3%)
	20-29	2449 (21.8%)	5030 (30.4%)	1407 (19.0%)	602 (26.1%)	9488 (25.3%)
	30-39	1739 (15.5%)	3669 (22.2%)	1546 (20.8%)	491 (21.3%)	7445 (19.9%)
	40-49	1771 (15.8%)	2138 (12.9%)	1345 (18.1%)	355 (15.4%)	5609 (15.0%)
	50-59	1696 (15.1%)	1737 (10.5%)	1034 (13.9%)	299 (13.0%)	4766 (12.7%)
	60-69	875 (7.8%)	1119 (6.8%)	684 (9.2%)	176 (7.6%)	2854 (7.6%)
	≥70	759 (6.8%)	1241 (7.5%)	603 (8.1%)	164 (7.1%)	2767 (7.4%)
	Unknown*	<10	51 (0.3%)	<10	<10	72 (0.2%)
Race:	Asian, NH	467 (4.2%)	321 (1.9%)	38 (0.5%)	46 (2.0%)	872 (2.3%)
	Black, NH	1301 (11.6%)	7242 (43.8%)	5396 (72.7%)	810 (35.1%)	14749 (39.3%)
	White, NH	5089 (45.3%)	4701 (28.4%)	377 (5.1%)	598 (25.9%)	10765 (28.7%)
	Hispanic	2021 (18.0%)	1090 (6.6%)	624 (8.4%)	218 (9.5%)	3953 (10.5%)
	Other, NH	413 (3.7%)	584 (3.5%)	172 (2.3%)	81 (3.5%)	1250 (3.3%)
	Unknown*	1951 (17.4%)	2595 (15.7%)	817 (11.0%)	552 (23.9%)	5915 (15.8%)

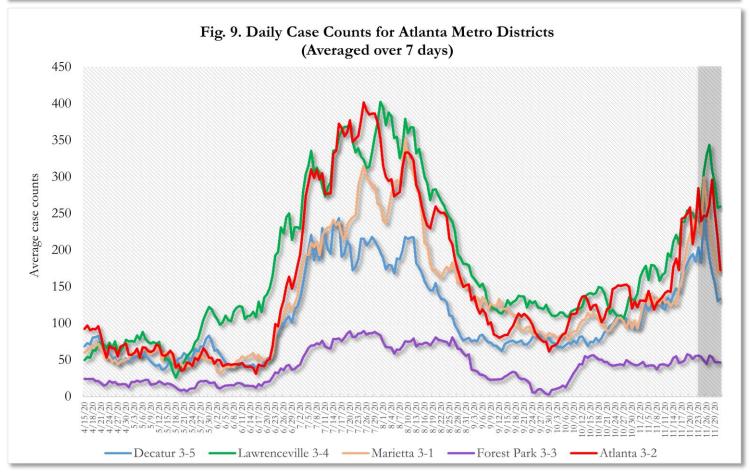
^{*}Unknown includes cases not yet interviewed.

B. Distribution of COVID-19 deaths by gender, age, and race in Fulton County by Fulton Region

	, , ,		· · ·	_	
	North Fulton Cities ¹	Atlanta	South Fulton Cities ²	Unknown City	All Fulton
	Count (%)	Count (%)	Count (%)	Count (%)	Count (%)
Total COVID-19 deaths	147	321	177	25	670
Gender: Female	69 (46.9%)	146 (45.5%)	90 (50.8%)	11 (44.0%)	316 (47.2%)
Male	78 (53.1%)	175 (54.5%)	87 (49.2%)	14 (56.0%)	354 (52.8%)
Unknown	0	0	0	0	0
Age: ≤ 29	<10	<10	<10	0	<10
30-39	<10	<10	<10	<10	13 (1.9%)
40-49	<10	<10	10 (5.6%)	<10	27 (4.0%)
50-59	<10	27 (8.4%)	20 (11.3%)	<10	58 (8.7%)
60-69	18 (12.2%)	62 (19.3%)	40 (22.6%)	<10	121 (18.1%)
≥70	115 (78.2%)	213 (66.4%)	102 (57.6%)	16 (64.0%)	446 (66.6%)
Unknown	0	0	0	0	0
Race: Asian, NH	<10	<10	<10	0	11 (1.6%)
Black, NH	27 (18.4%)	265 (82.6%)	144 (81.4%)	11 (44.0%)	447 (66.7%)
White, NH	101 (68.7%)	44 (13.7%)	22 (12.4%)	12 (48.0%)	179 (26.7%)
Hispanic	15 (10.2%)	<10	<10	<10	29 (4.3%)
Other, NH	0	<10	<10	0	<10
Unknown	0	<10	<10	0	<10

¹Includes all Fulton County cities north of Atlanta (Alpharetta, Johns Creek, Milton, Mountain Park, Roswell, Sandy Springs) ²Includes all cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Fairburn, Hapeville, Palmetto, South Fulton, Union City). Note: All data reported are preliminary and subject to change. This table includes data on all confirmed COVID-19 deaths and is subject to change as GA DPH completes cause of death confirmation processes.

COVID-19 CASE TRENDS IN FULTON AND SURROUNDING DISTRICTS

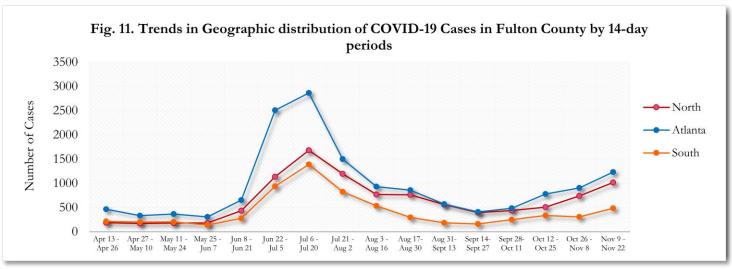


^{*}Graph shows the average number of cases calculated from the daily cumulative case counts in the metro Atlanta districts. Increases in daily cumulative case counts may include cases diagnosed earlier during the pandemic but were only recently reported to the state as cases diagnosed belonging to these districts.

Hall Forsyth Bartow Cherokee Jackson Polk Barrow Lawrenceville Gwinnett Paulding Walton DeKalb **Fulton** Douglas Rockdale Morgan Clayton Newton Carroll Henry <u>Favette</u> Cases per Square Mile **Health Districts** ≤ 1.1 ≤ 4.1 Jasper ≤ 7.5 Butts ≤ 11.2 3-4 Spaldii 3-1 ≤ 15.7 3-5 ≤ 21.4 ≤ 30.7 ≤ 45.7 Trou ≤ 67.8 Monroe Pike ≤ 95.6 Jones

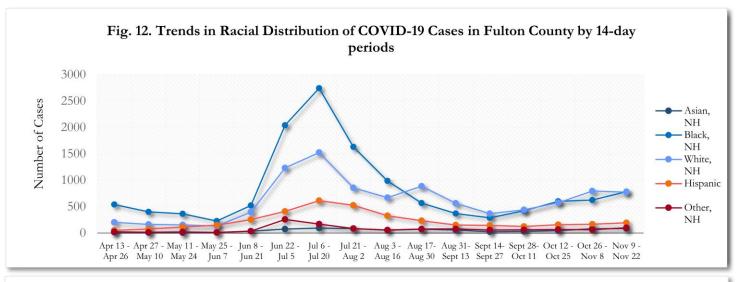
Fig. 10. COVID-19 Cases in Fulton County and Surrounding Districts (Nov 11 - Nov 24, 2020)

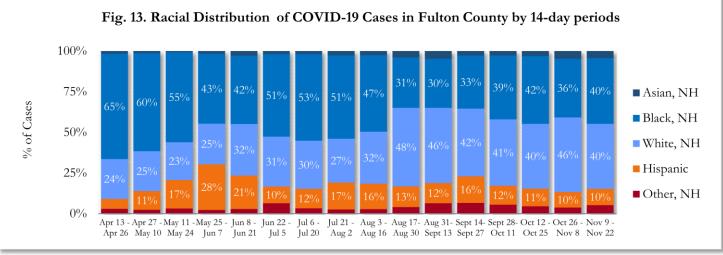
TRENDS IN COVID-19 CASES AMONG DEMOGRAPHIC GROUPS (14 DAY PERIODS)



In the past two weeks, the city of Atlanta accounted for the majority of new cases.

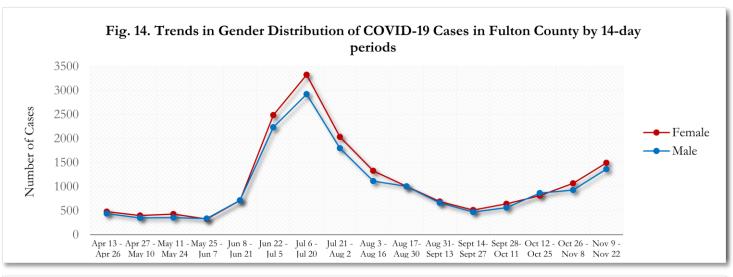
^{*}South - Includes all Fulton cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Fairburn, Hapeville, Palmetto, South Fulton, and Union City)

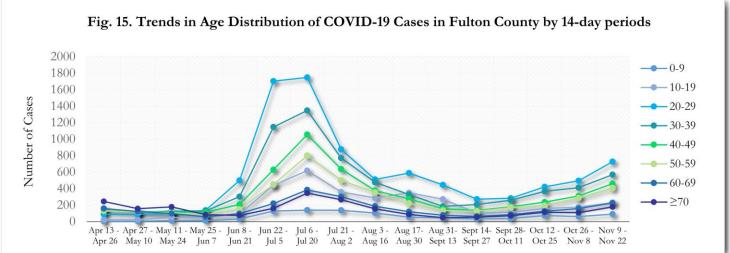




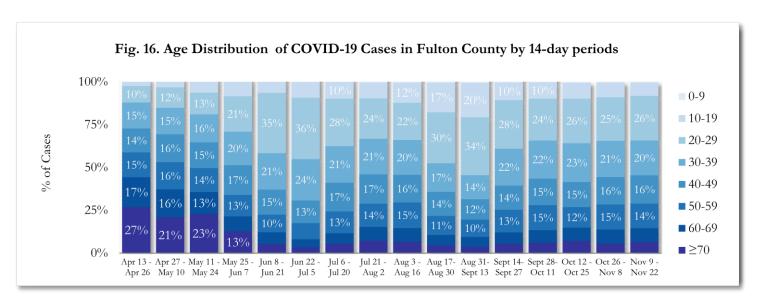
About 17% of COVID cases are missing data on patient race and ethnicity. The majority of new cases in the past two weeks were White, NH (40%) and Black, NH (40%).

^{*}North -Includes all Fulton cities north of Atlanta (Alpharetta, Johns Creek, Milton, Mountain Park, Roswell, Sandy Springs)

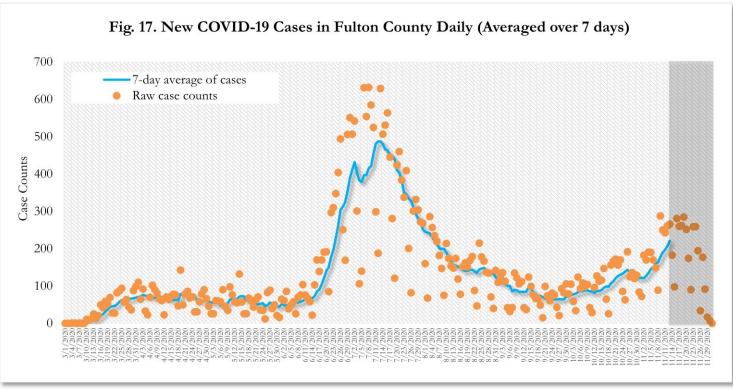




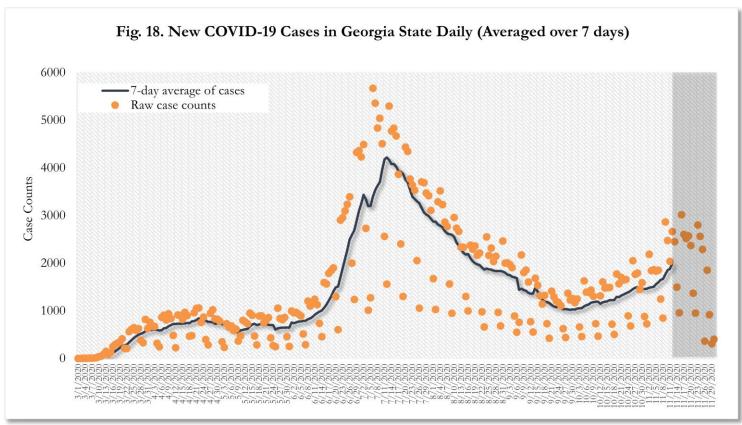
Earlier (March-May 2020) large proportions of reported cases were among persons aged 60 and older. In the most recent two weeks, 20-29 year olds accounted for the highest number of new cases among all age groups, followed by 30-39 year olds.



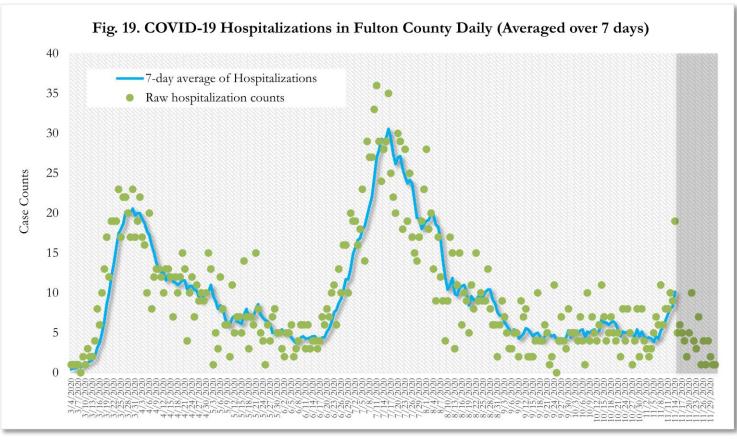
TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)



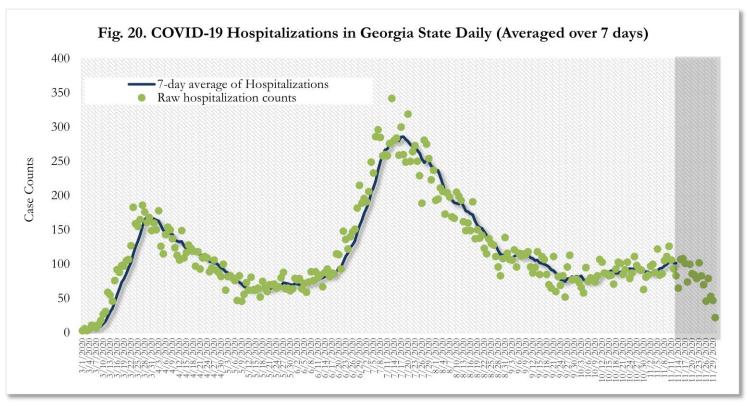
^{*}Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject to change as more lab results get added to the state surveillance database.



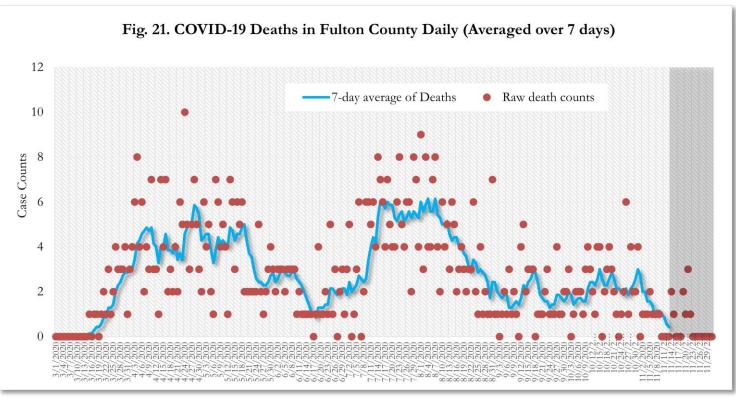
^{*}Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject to change as more lab results get added to the state surveillance database.



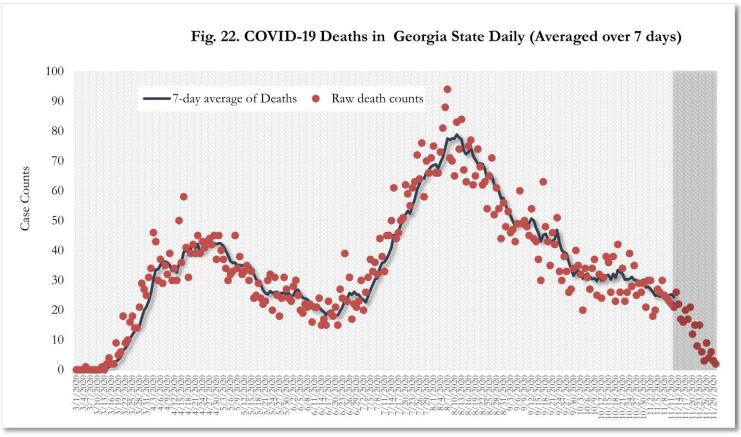
^{*}Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the state surveillance database.



^{*}Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the state surveillance database.

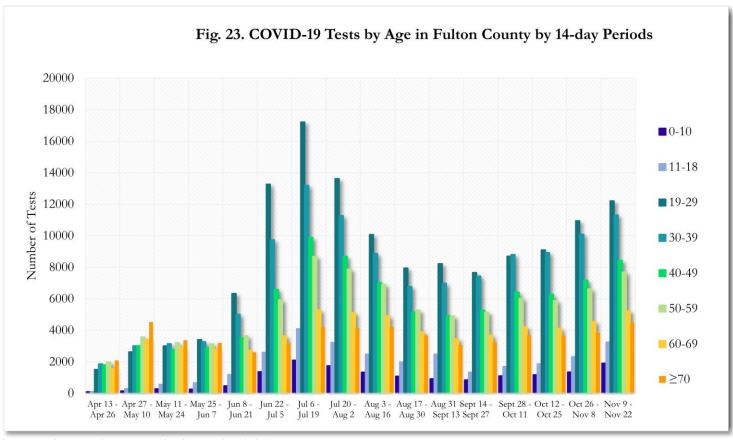


^{*} Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

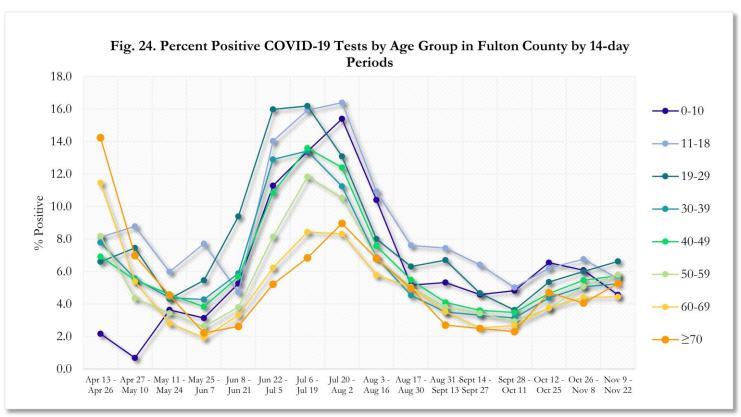


^{*}Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

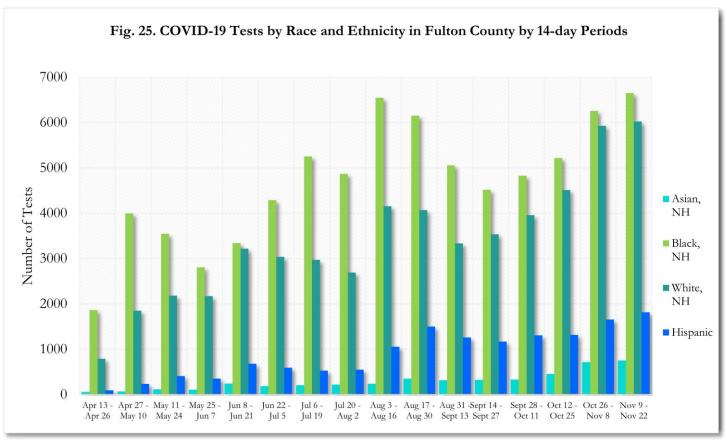
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY BY AGE AND RACE



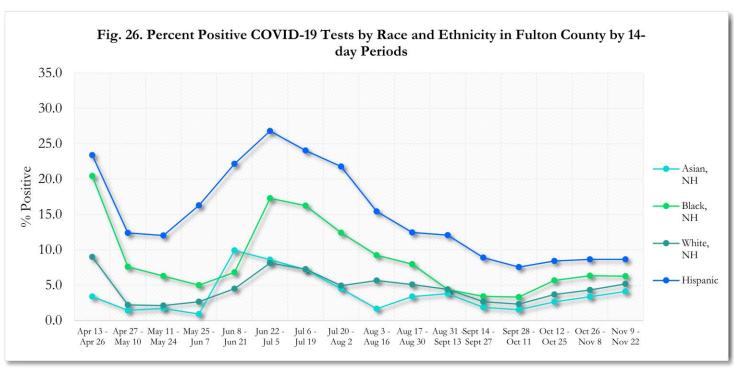
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



^{*}Data on Polymerase Chain Reaction (PCR) tests only included.

COVID-19 CASE COUNTS BY ZIP CODE

	Prior (11/24/20)	Current To	tal (12/1/20)		(Period: 10/28/20 -	- 11/24/20)¹
	Count	Count	0/0	Recent 14 d. (Nov 11– Nov 24)	Prior 14 d. (Oct 28– Nov 10)	% change ²
All Fulton	36293	37504	100%	3445	2138	↑ 61.1%
30004	1287	1344	3.58%	153	113	↑ 35.4%
30005	730	799	2.13%	119	61	↑ 95.1%
30009	623	635	1.69%	64	45	↑ 42.2%
30022	1684	1760	0.99%	209	136	↑ 53.7%
30023	<10	<10	<0.1%	<10	0	-
30024	21	23	<0.1%	<10	<10	-
30075	1439	1487	3.96%	157	89	↑ 76.4%
30076	1403	1444	3.85%	120	63	↑ 90.5%
30080	<10	<10	<0.1%	<10	<10	-
30097	395	426	1.14%	53	48	↑ 10.4%
30098	-	-	-	0	0	-
30135	<10	<10	<0.1%	0	0	-
30138	<10	<10	<0.1%	0	0	-
30139	-	-	-	0	0	-
30213	1393	1430	3.81%	122	75	↑ 62.7%
30268	231	235	0.63%	14	13	† 7.7%
30291	967	993	2.65%	74	44	↑ 68.2%
30296	83	96	0.26%	16	<10	† 128.6%
30301	13	15	<0.1%	<10	0	· -
30303	446	454	1.21%	18	26	↓ 30.8%
30305	1104	1152	3.07%	136	89	† 52.8%
30306	481	502	1.34%	59	39	† 51.3%
30307	245	254	0.68%	17	21	↓ 19.0%
30308	797	823	2.19%	83	63	↑ 31.7%
30309	1159	1197	3.19%	136	87	↑ 56.3%
30310	921	939	2.50%	61	45	↑ 35.6%
30311	970	987	2.63%	66	37	↑ 78.4%
30312	1048	1085	2.89%	109	67	↑ 62.7%
30313	359	370	0.99%	27	17	↑ 58.8%
30314	664	680	1.81%	39	16	† 143.8%
30315	1113	1147	3.06%	107	61	↑ 75 . 4%
30316	470	487	1.30%	40	30	† 33.3%
30318	2197	2259	6.02%	188	105	↑ 79.0%
30319	199	210	0.56%	21	16	↑ 31.3%
30321	11	11	<0.1%	0	<10	↓ 100.0%
30324	1184	1210	3.23%	111	62	↑ 79.0%
30326	364	388	1.03%	56	38	↑ 47.4%
30327	829	855	2.28%	93	69	↑ 34.8%
30328	1176	1233	3.29%	147	95	↑ 54.7%
30331	2082	2130	5.68%	128	68	↑ 88.2%
30334	13	13	<0.1%	0	0	-
30336	104	106	0.28%	10	<10	↑ 233.3%
30337	429	442	1.18%	31	17	↑ 82.4%
30338	103	106	0.28%	<10	<10	-
30339	267	272	0.73%	14	<10	↑ 180.0%
30340	34	32	<0.1%	0	<10	↓ 100.0%
30341	32	32	<0.1%	<10	0	-
30342	1514	1561	4.16%	118	88	↑ 34.1%
30344	1119	1160	3.09%	98	41	↑ 139.0%
30345	24	24	<0.1%	0	0	-

30349	2245	2293	6.11%	155	104	† 49.0%
30350	889	934	2.49%	133	62	† 114.5%
30354	539	560	1.49%	55	15	↑ 266.7%
30358	<10	<10	<0.1%	0	0	-
30363	98	104	0.28%	18	<10	↑ 2 00.0%
30374	32	34	<0.1%	<10	<10	-
30606	<10	<10	<0.1%	0	0	-
31131	<10	<10	<0.1%	<10	<10	-
31150	<10	<10	<0.1%	0	0	-
Unknown	1946	741	1.98%	42	42	-

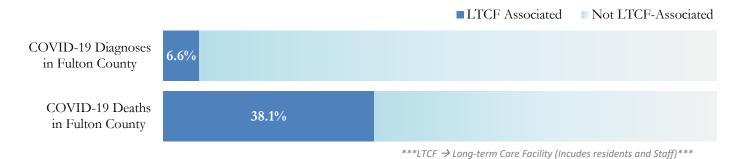
<u>New cases:</u> Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. <u>Percent change:</u> These reflect the percentage increase or decrease of new diagnoses between the 14 days preceding the past 7 days and the 14 days preceding that. Changes in ZIP codes with less than 10 cases in <u>both</u> 2 week intervals are not reported**Data cleaning (either during case interviews or address geo-coding) may lead to reassignment of few cases from one territory to another based on their corrected addresses. These may appear as "decreases" when compared to the previous day's count. These do not reflect errors in the data collection or analysis process but only reflect the minor day-to-day fluctuations in case counts that arise in an evolving public health database like COVID's.

<u>Note:</u> Sharp increases in territorial COVID case counts often reflect new cases diagnosed at long term care facilities located in those territories during facility-wide /mass screening events All data reported are preliminary and subject to change.

COVID-19 IN LONG-TERM CARE FACILITIES IN FULTON COUNTY

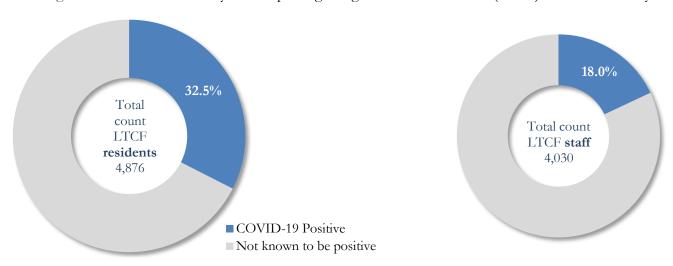
Older persons (aged 65 years and older) and persons who live in nursing homes or other long-term care facilities seem to be at higher risk for developing more serious complications from COVID-19. Extra precautions are recommended for individuals within this risk groups – Centers for Disease Control and Prevention (CDC 2020) https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/people-at-higher-risk.html

Fig. 27. COVID-19 Diagnoses and Deaths in Fulton County Associated with Long-Term Care Facilities



COVID-19 POSITIVITY:

Fig. 28. COVID-19 Positivity at 64 reporting Long-Term Care Facilities (LTCF) in Fulton County



COVID-19 Cases, Hospitalizations, and Deaths among 64 reporting Long-Term Care Facilities in Fulton County

	LTCF Residents (n=4,876)			LTCF Staff (n=4,030)			
	Cases	Hospitalizations	Deaths	Cases	Hospitalizations	Deaths	
Average (count per fac.)1	25	5	4	11	1	<0.1	
Median (count per fac.)1	10	2	1	9	0	0	
Lowest counts	0	0	0	0	0	0	
Highest counts	139	48	30	67	8	2	
Total Count	1585 (32.5%) ^a	318 (20.1%) ^b	244 (15.4%) ^b	728 (18.0%) ^a	32 (4.4%)b	5 (<1.0%)b	

^o Percentage shown reflects proportion of total residents/staff tested who were positive (i.e. COVID-19 Positivity). | ^b Percentages shown are proportions of persons residents/staff diagnosed with COVID-19 who were hospitalized or died after diagnoses.