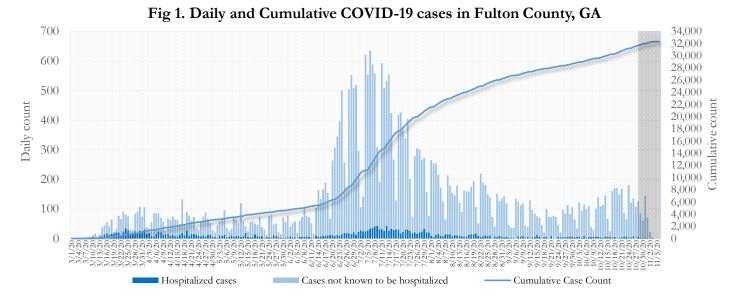


Fulton County Board of Health Epidemiology Report

COVID-19 Cases - 11/6/2020

SUMMARY

- As of November 6, 2020, Fulton County has recorded 32,337 cases of the 2019 novel coronavirus (COVID-19) and 632 confirmed COVID-19 deaths. 83 deaths are currently being reviewed by GA DPH to confirm cause of death.
- Of 1,875 new diagnoses made between October 17 and October 30, the central portion of the county (Atlanta metro) accounted for 46% while the northern and southern parts accounted for 32% and 17% respectively.
- By city, new COVID-19 case rates range from 114.4 per 100,000 persons (Palmetto) to 227.9 per 100,000 persons (Hapeville). [Fulton County Diagnoses Rates (per 100,000 persons): Cumulative 2941.9; Incidence –170.6]. See map showing incident case rate by ZIP code on Pg.17.
- Among all persons diagnosed with COVID-19 in Fulton County since June 1, 6.1% required hospitalization and 1.3% died.
- Of all testing done in Fulton County between October 12 and October 25, the percent positivity rate was 4.6%.



*Counts shown reflect the number of confirmed cases as of 7:30 pm on 11/5/20 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.

DISTRIBUTION OF COVID-19 CASES BY REGION

New cases: 46% of the new COVID-19 cases in the past 2 weeks occurred in Atlanta while 32% and 17% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative	% New	
Tulton Region	count	cases*	
Atlanta	44.2%	45.9%	
North ¹	28.9%	31.9%	
South ²	20.3%	17.1%	
Unincorporated/Unknown	6.5%	5.1%	

¹Includes all Fulton County cities north of Atlanta metro (Alpharetta, Milton, Johns Creek, Roswell, Sandy Springs, Mountain Park) | ²Includes all cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, and Union City) *New cases: Cases diagnosed in the past 2 weeks only (between 10/17/20 – 10/30/20).

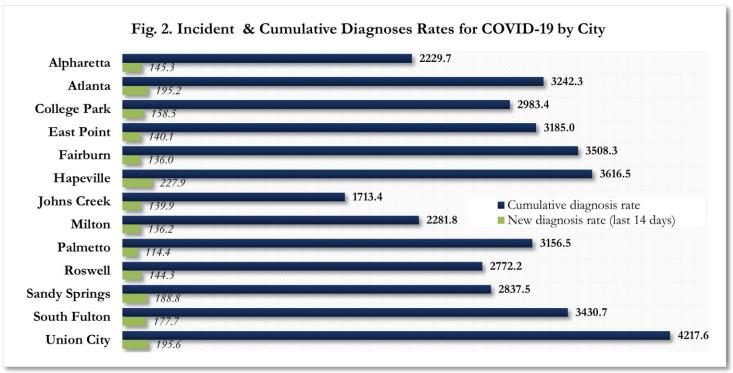
In the recent two week reporting period (10/17-10/30), there were more new cases of COVID-19 in Fulton County than the previous two weeks (10/3-10/16).

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

COVID-19 CASE COUNTS AND RATES BY CITY

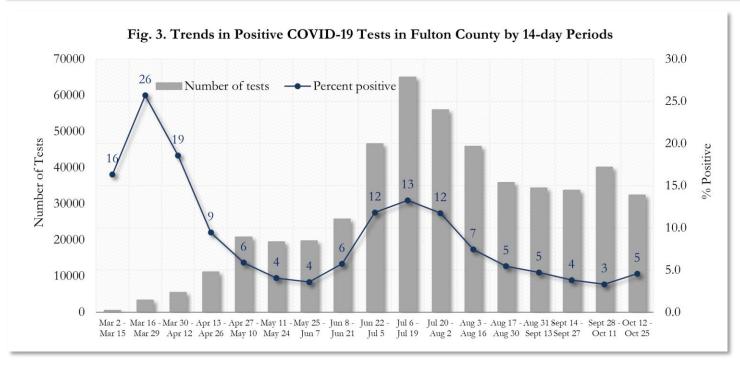
	Prior (11/3/20)	Current Total (11/6/20)			New Cases (Period: 10/3/20 – 10/30/20) ¹			
	Count	Count	%	Cum. Rate ²	Recent 14 d. (10/17– 10/30)	Prior 14 d. (10/3- 10/16)	% change ³	Rate ⁴ (Last 14 d).
Alpharetta	1415	1442	4.5%	2229.7	94	60	↑ 56.7%	145.3
Atlanta	14130	14304	44.2%	3242.3	861	540	↑ 59.4%	195.2
Chattahoochee Hills	1	1	0.0%	-	0	0	-	-
College Park	412	414	1.3%	2983.4	22	14	↑ 57.1%	158.5
East Point	1108	1114	3.4%	3185.0	49	31	↑ 58.1%	140.1
Fairburn	508	516	1.6%	3508.3	20	20	-	136.0
Hapeville	236	238	0.7%	3616.5	15	<10	↑ 66.7%	227.9
Johns Creek	1409	1433	4.4%	1713.4	117	73	↑ 60.3%	139.9
Milton	847	871	2.7%	2281.8	52	30	↑ 73.3%	136.2
Mountain Park	7	9	0.0%	1440.0	0	0	-	-
Palmetto	136	138	0.4%	3156.5	<10	<10	↓ 28.6%	114.4
Roswell	2590	2613	8.1%	2772.2	136	138	↓ 1.4%	144.3
Sandy Springs	2943	2991	9.2%	2837.5	199	123	↑ 61.8%	188.8
South Fulton	3229	3263	10.1%	3430.7	169	148	14.2%	177.7
Union City	872	884	2.7%	4217.6	41	49	↓ 16.3%	195.6
Unknown	2119	2106	6.5%	-	94	37	-	-

*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.

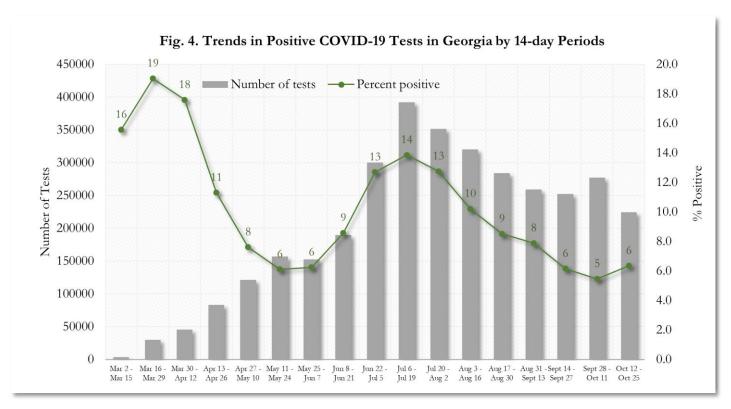


^{*}Rates shown are per 100,000 persons | **Note:** Mass testing in specific locations (e.g. long term care facilities) may cause sharp increases in the cumulative rate of COVID-19 diagnosis in those territories. All data shown are preliminary and are subject to change as testing results get updated.

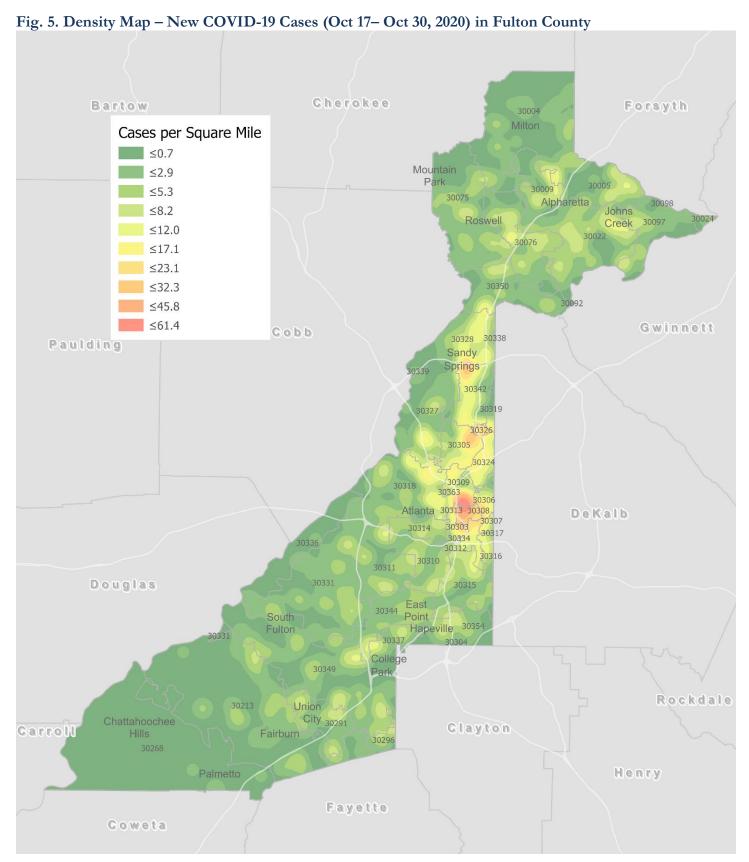
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY AND GEORGIA



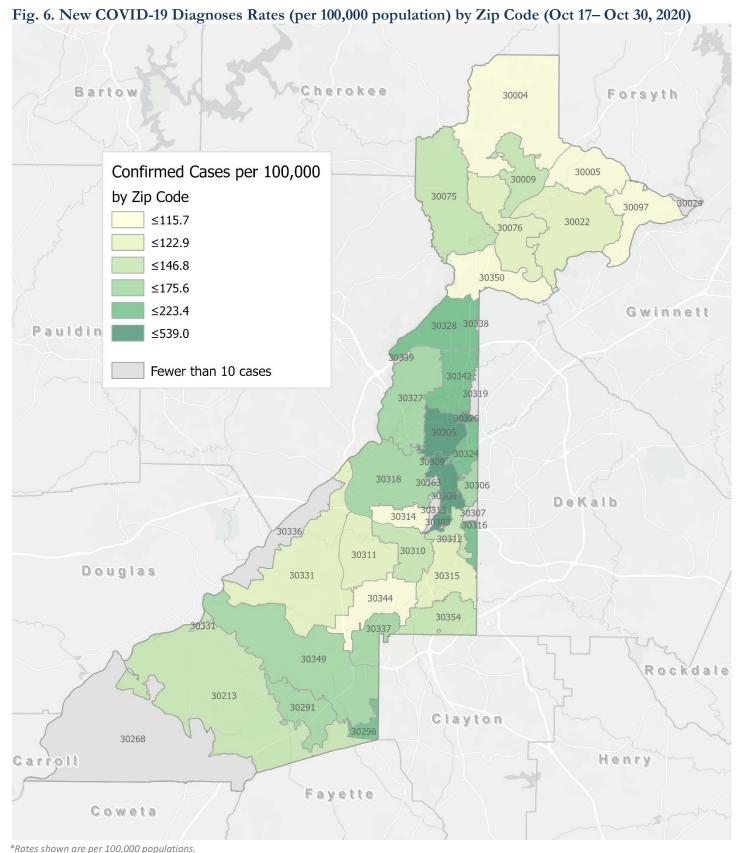
*Data on Polymerase Chain Reaction (PCR) tests only included.



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



<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 Oct 17th and Oct 30th, 2020 across Fulton County, excluding LTCF cases.



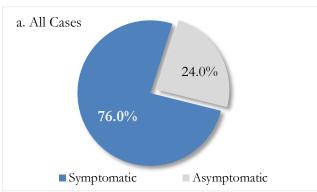
New COVID-19 cases: Cases diagnosed in most recent 14 days (based on reported dates of positive sample collection). To allow for lag in reporting results of

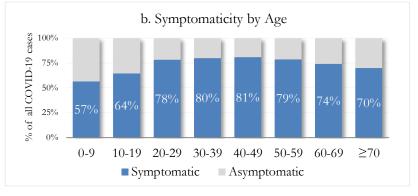
positive cases from samples collected in the immediate past7 days, data used for incident diagnoses analyses are moved back by one week. Data used excludes outbreak-related cases at long-term care facilities and map shown reflects only the new non-LTCF cases diagnosed between the dates shown in map title. 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

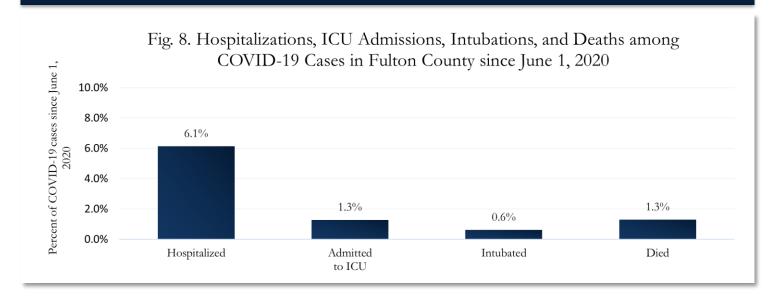
Fig. 7a & b. Total Proportion Reporting Symptoms in Fulton County





COVID-19 cases who have been case interviewed or had medical charts reviewed as of 11/6/20 only. n = 22,157

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	9359	14304	6568	2106	32337
Gender: Female		4787 (51.1%)	6989 (48.9%)	3687 (56.1%)	1016 (48.2%)	16479 (51.0%)
Male		4410 (47.1%)	6911 (48.3%)	2757 (42.0%)	1022 (48.5%)	15100 (46.7%)
Unknow	n*	162 (1.7%)	404 (2.8%)	124 (1.9%)	68 (3.2%)	758 (2.3%)
Age: 0-9		322 (3.4%)	275 (1.9%)	213 (3.2%)	51 (2.4%)	861 (2.7%)
10-19		1363 (14.6%)	1070 (7.5%)	480 (7.3%)	144 (6.8%)	3057 (9.5%)
20-29		2055 (22.0%)	4321 (30.2%)	1262 (19.2%)	555 (26.4%)	8193 (25.3%)
30-39		1451 (15.5%)	3142 (22.0%)	1371 (20.9%)	465 (22.1%)	6429 (19.9%)
40-49		1458 (15.6%)	1854 (13.0%)	1197 (18.2%)	320 (15.2%)	4829 (14.9%)
50-59		1360 (14.5%)	1493 (10.4%)	897 (13.7%)	261 (12.4%)	4011 (12.4%)
60-69		713 (7.6%)	980 (6.9%)	595 (9.1%)	165 (7.8%)	2453 (7.6%)
≥70		631 (6.7%)	1120 (7.8%)	548 (8.3%)	136 (6.5%)	2435 (7.5%)
Unknown	n*	<10	49 (0.3%)	<10	<10	69 (0.2%)
Race: Asian, NE	I	359 (3.8%)	252 (1.8%)	25 (0.4%)	32 (1.5%)	668 (2.1%)
Black, NI	I	1063 (11.4%)	6291 (44.0%)	4641 (70.7%)	738 (35.0%)	12733 (39.4%)
White, N	Н	4041 (43.2%)	3680 (25.7%)	308 (4.7%)	514 (24.4%)	8543 (26.4%)
Hispanic		1781 (19.0%)	932 (6.5%)	556 (8.5%)	202 (9.6%)	3471 (10.7%)
Other, N	Н	336 (3.6%)	534 (3.7%)	171 (2.6%)	79 (3.8%)	1120 (3.5%)
Unknown	ı*	1779 (19.0%)	2615 (18.3%)	867 (13.2%)	541 (25.7%)	5802 (17.9%)

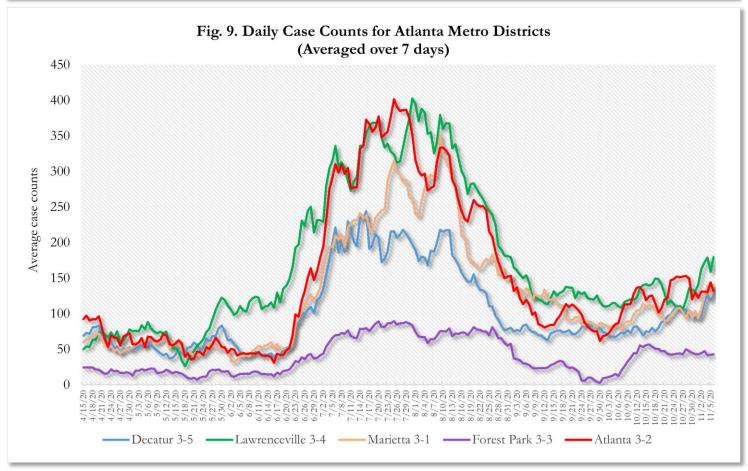
^{*}Unknown includes cases not yet interviewed.

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

		North Fulton Cities ¹ Count (%)	Atlanta Count (%)	South Fulton Cities ² Count (%)	Unknown City Count (%)	All Fulton Count (%)
Total	COVID-19 deaths	141	304	167	20	632
Gende	er: Female	63 (44.7%)	138 (45.4%)	86 (51.5%)	10 (50.0%)	297 (47.0%)
	Male	75 (53.2%)	166 (54.6%)	81 (48.5%)	10 (50.0%)	332 (52.5%)
	Unknown	0	0	0	0	0
Age:	≤ 29	<10	<10	<10	0	<10
	30-39	<10	<10	<10	<10	13 (2.1%)
	40-49	<10	<10	10 (6.0%)	<10	26 (4.1%)
	50-59	<10	26 (8.6%)	18 (10.8%)	<10	54 (8.5%)
	60-69	17 (12.1%)	60 (19.7%)	37 (22.2%)	<10	115 (18.2%)
	≥70	110 (78.0%)	197 (64.8%)	98 (58.7%)	13 (65.0%)	418 (66.1%)
	Unknown	0	<10	0	0	<10
Race:	Asian, NH	<10	<10	<10	0	10 (1.6%)
	Black, NH	26 (18.4%)	255 (83.9%)	138 (82.6%)	<10	428 (67.7%)
	White, NH	96 (68.1%)	38 (12.5%)	20 (12.0%)	10 (50.0%)	164 (25.9%)
	Hispanic	14 (9.9%)	<10	<10	<10	26 (4.1%)
	Other, NH	0	<10	<10	0	<10
	Unknown	<10	<10	0	0	<10

¹Includes all Fulton County cities north of Atlanta metro (Alpharetta, Milton, Johns Creek, Roswell, Sandy Springs, Mountain Park) ²Includes all cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, 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

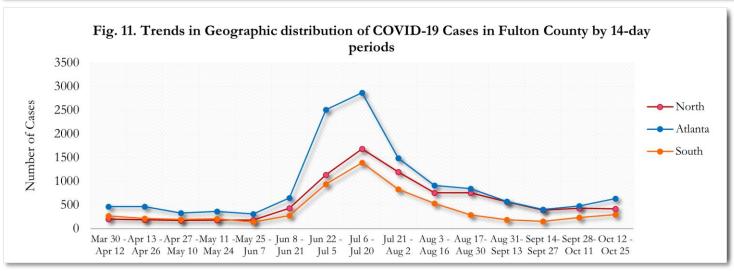


^{*}Graph shows the average number of cases calculated from the daily cumulative case counts in the metro Atlanta districts. Increases in daily cumulative case counts may include cases diagnosed earlier during the pandemic but were only recently reported to the state as cases diagnosed belonging to these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

Hall Forsyth Bartow Cherokee Jackson Polk Barrow Gwinnett Paulding **Qeone** Walton Fulton DeKalb **Douglas** Rockdale Morgan Clayton Newton Carroll Henry Cases per Square Mile Health Districts ≤0.8 ≤2.6 Jasper ≤4.7 Spaldin ≤7.0 3-4 ≤9.8 3-5 ≤13.2 ≤18.4 ≤29.0 ≤45.8 Troup Pike Monroe ≤66.0 Jones

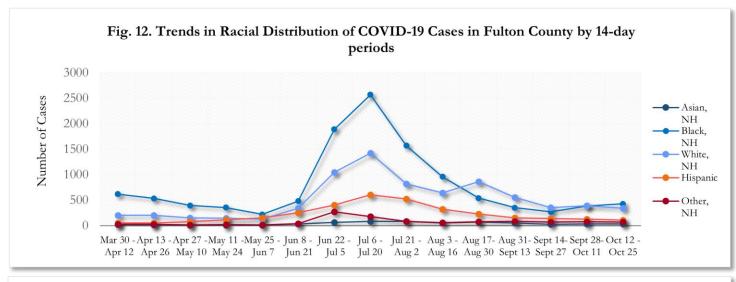
Fig. 10. COVID-19 Cases in Fulton County and Surrounding Districts (Oct 17 - Oct 30, 2020)

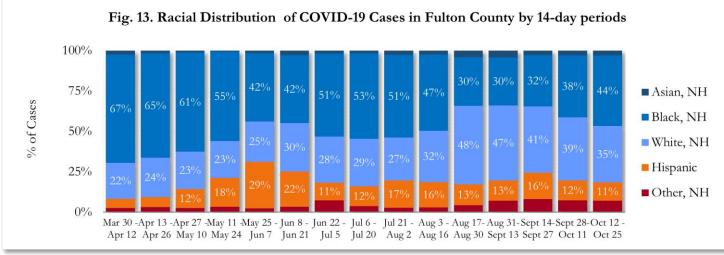
TRENDS IN COVID-19 CASES AMONG DEMOGRAPHIC GROUPS (14 DAY PERIODS)



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

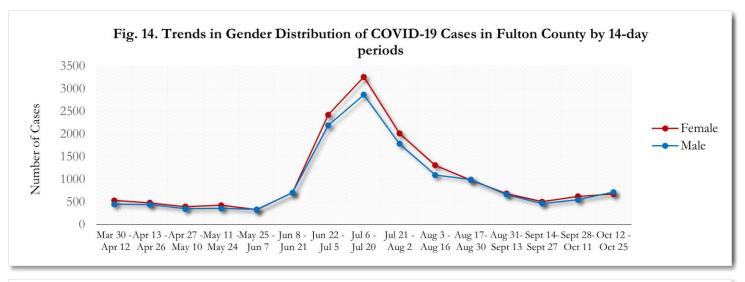
^{*}South - Includes all Fulton cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, and Union City)

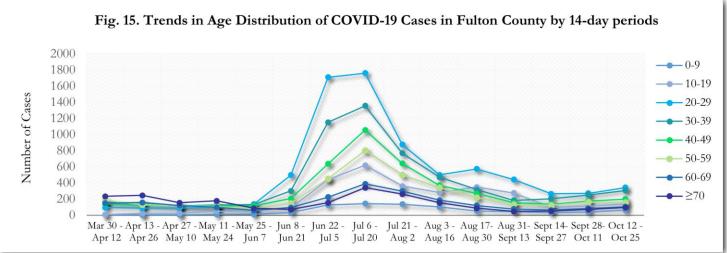




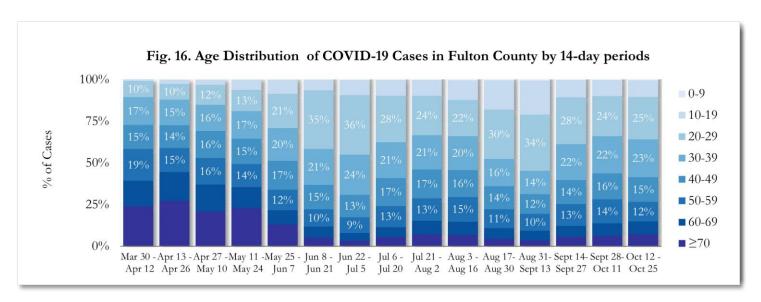
About 20% of COVID cases are missing data on patient race and ethnicity. The majority of new cases in the past two weeks were Black, NH (44%) and White, NH (35%).

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

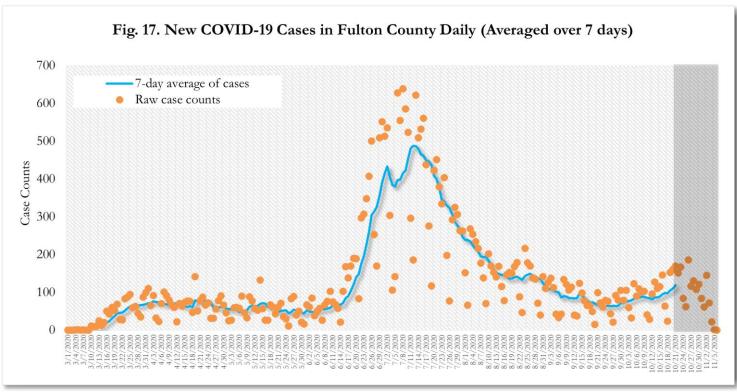




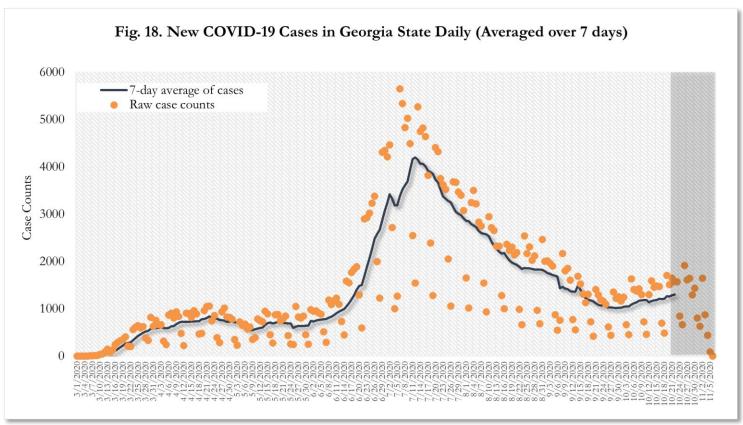
Earlier (March-May 2020) large proportions of reported cases were among persons aged 60 and older. In the most recent two weeks, 20-29 year olds accounted for the highest number of new cases among all age groups, followed by 30-39 year olds.



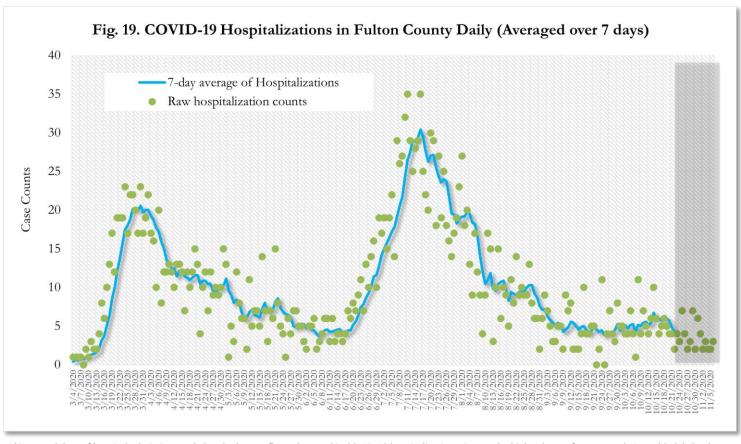
TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)



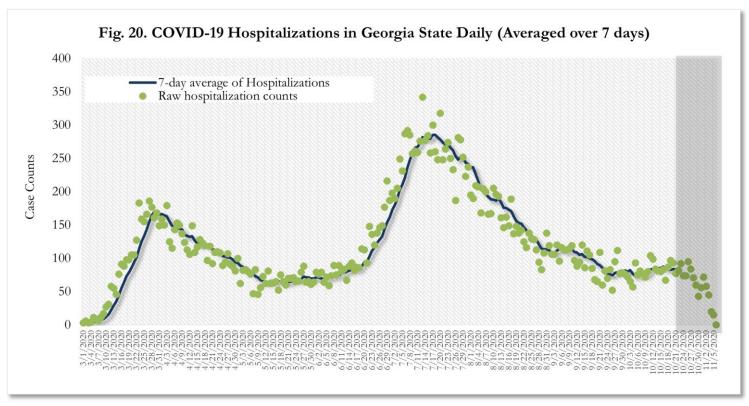
*Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject to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



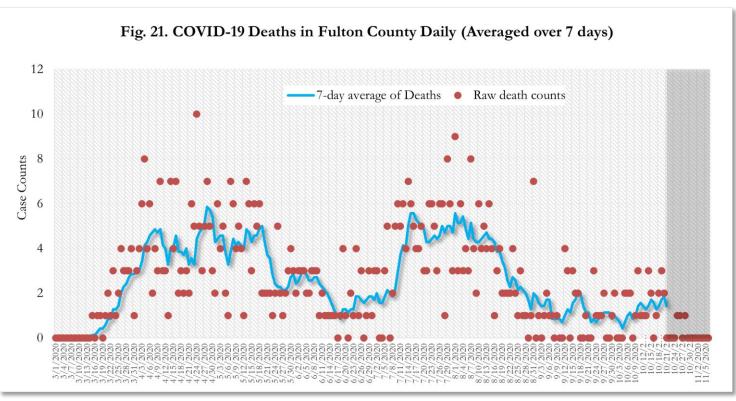
^{*}Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject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



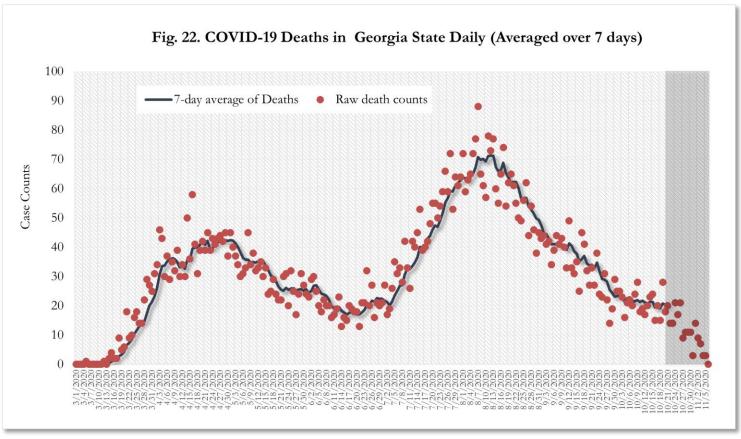
^{*}Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the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

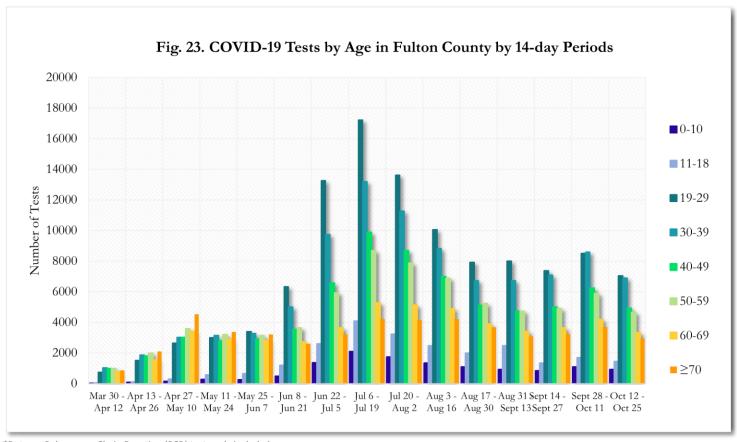


^{*} Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

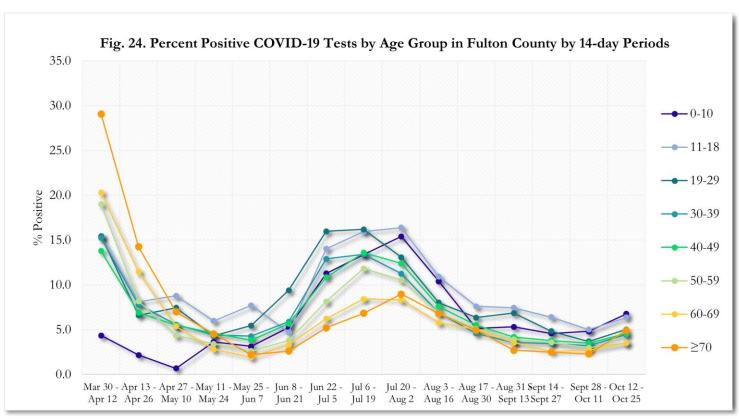


^{*}Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

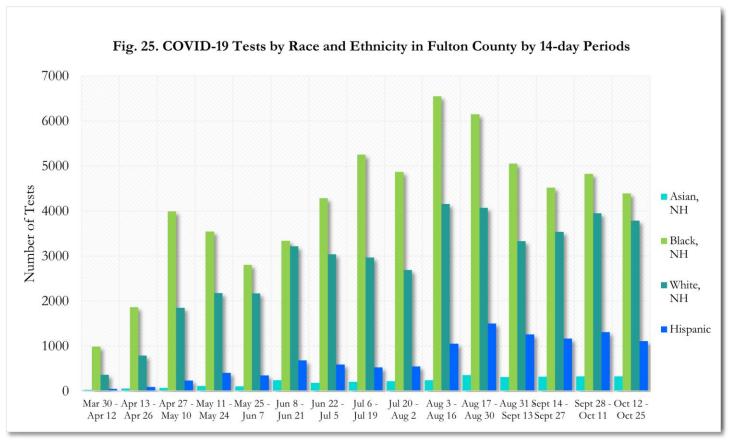
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY BY AGE AND RACE



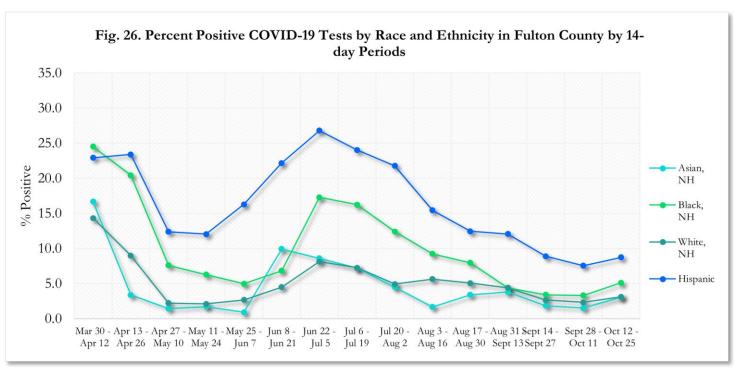
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



^{*}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 (11/3/20)	Current Tot	Current Total (11/06/20)		New Cases (Period: 10/3/20 – 10/30/20) ¹			
	Count	Count	%	Recent 14 d. (Oct 17– Oct 30)	Prior 14 d. (Oct 3 – Oct 16)	% change ²		
All Fulton	31962	32337	100%	1888	1285	↑ 46.9%		
30004	1074	1099	3.40%	64	47	↑ 36.2%		
30005	611	626	1.94%	47	28	↑ 67.9%		
30009	532	542	1.68%	34	13	161.5%		
30022	1404	1427	1.01%	92	80	↑ 15.0%		
30023	<10	<10	<0.1%	0	0	_		
30024	18	17	<0.1%	<10	<10	-		
30075	1253	1270	3.93%	74	58	↑ 27.6%		
30076	1265	1273	3.94%	68	73	↓ 6.8%		
30080	<10	<10	<0.1%	0	0	-		
30097	317	323	1.00%	34	12	↑ 183.3%		
30098	-	-	-	0	0	-		
30135	<10	<10	<0.1%	0	0	_		
30138	<10	<10	<0.1%	0	0	-		
30139	-	-	=	0	0	_		
30213	1234	1249	3.86%	63	52	↑ 21.2%		
30268	212	214	0.66%	<10	10	↓ 30.0%		
30291	869	878	2.72%	44	48	↓ 8.3%		
30296	68	69	0.21%	12	<10	† 200.0%		
30301	11	11	<0.1%	<10	0	200.070		
30303	416	418	1.29%	19	27	↓ 29.6%		
30305	937	951	2.94%	84	37	† 127.0%		
30306	396	402	1.24%	30	13	130.8%		
30307	223	224	0.69%	11	12	↓ 8.3%		
30308	683	699	2.16%	69	24	↑ 187.5%		
30309	981	997	3.08%	83	41	↑ 102.4%		
30310	835	848	2.62%	41	30	↑ 36.7%		
30311	877	883	2.73%	44	25	↑ 76.0%		
30312	905	918	2.84%	41	38	↑ 7.9%		
30313	328	328	1.01%	<10	<10	1.2/0		
30314	619	626	1.94%	21	14	↑ 50.0%		
30315	974	981	3.03%	48	33	↑ 45.5%		
30316	427	435	1.35%	26	<10	↑ 188.9%		
30318	1973	1991	6.16%	108	69	↑ 56.5%		
30319	169	172	0.53%	<10	15	↓ 40.0%		
30321	11	11	<0.1%	0	<10	100.0%		
30324	1036	1044	3.23%	61	28	↑ 117.9%		
30324	293	305	0.94%	28	16	↑ 75.0%		
30327	688	701	2.17%	70	36	↑ 94.4%		
30328	983	1000	3.09%	87	46	↑ 89.1%		
30331	1934	1959	6.06%	74	84	↓ 11.9%		
30334	13	13	<0.1%	0	<10	↓ 100.0%		
	91					↓ 100.070		
30336	391	92 393	0.28% 1.22%	<10 21	<10 14	<u>-</u> ↑ 50 00/		
30337		393 104	0.32%	<10	<10	↑ 50.0%		
30338	106				<10	-		
30339	277	264	0.82%	<10		- 100.00/		
30340	31	31	<0.1%	0	<10	↓ 100.0%		
30341	31	32	<0.1%	0	0	- ↑ 06 40/		
30342	1357	1374	4.25%	82	44	↑ 86.4%		
30344	1011	1016	3.14%	37	26	† 42.3%		
30345	25	25	<0.1%	<10	0	-		

30349	2033	2053	6.35%	107	83	↑ 28.9%
30350	729	741	2.29%	38	34	↑ 11.8%
30354	487	488	1.51%	29	18	↑ 61.1%
30358	<10	<10	<0.1%	0	0	-
30363	78	79	0.24%	<10	<10	-
30374	31	31	<0.1%	0	0	-
30606	<10	<10	<0.1%	0	0	-
31131	<10	<10	<0.1%	<10	0	-
31150	<10	<10	<0.1%	0	0	-
Unknown	1066	685	2.12%	24	24	-

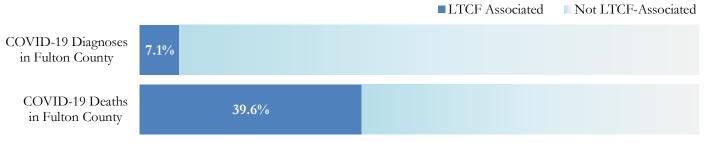
<u>New cases:</u> Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. <u>Percent change:</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 AII 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

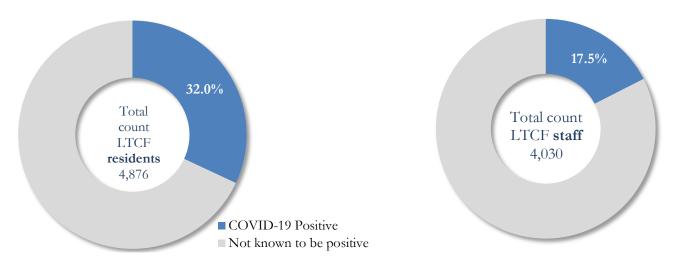
Fig. 27. COVID-19 Diagnoses and Deaths in Fulton County Associated with Long-Term Care Facilities



LTCF \rightarrow Long-term Care Facility (Incudes residents and Staff)

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

	LTO	CF Residents (n=4,	876)	LTCF Staff (n=4,030)			
	Cases	Hospitalizations	Deaths	Cases	Hospitalizations	Deaths	
Average (count per fac.)1	24	5	4	11	1	< 0.1	
Median (count per fac.)1	10	2	1	8	0	0	
Lowest counts	0	0	0	0	0	0	
Highest counts	138	48	30	66	8	2	
Total Count	1558 (32.0%) ^a	317(20.3%)b	244 (15.7%) ^b	705 (17.5%)a	32 (4.5%)b	5 (<1.0%)b	

^a 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.