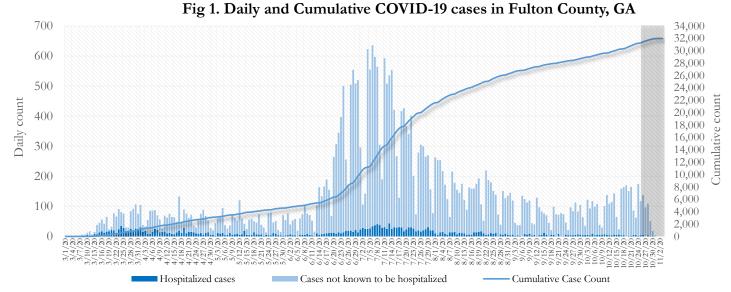


Fulton County Board of Health Epidemiology Report

COVID-19 Cases - 11/3/2020

SUMMARY

- As of November 3, 2020, Fulton County has recorded **31,962** cases of the **2019** novel coronavirus (COVID-19) and **629** confirmed COVID-19 deaths. 83 deaths are currently being reviewed by GA DPH to confirm cause of death.
- Of **1,838** new diagnoses made between October 14 and October 27, the central portion of the county (Atlanta metro) accounted for 45% while the northern and southern parts accounted for 30% and 20% respectively.
- By city, new COVID-19 case rates range from 45.7 per 100,000 persons (Palmetto) to 273.5 per 100,000 persons (Hapeville). [Fulton County Diagnoses Rates (per 100,000 persons): Cumulative 2907.8; Incidence –167.2]. 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 7:00 am on 11/3/20 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: 45% of the new COVID-19 cases in the past 2 weeks occurred in Atlanta while 30% and 20% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative	% New	
	count	cases*	
Atlanta	44.2%	44.6%	
North ¹	28.8%	30.4%	
South ²	20.3%	19.6%	
Unincorporated/Unknown	6.6%	5.4%	

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 10/14/20 – 10/27/20).

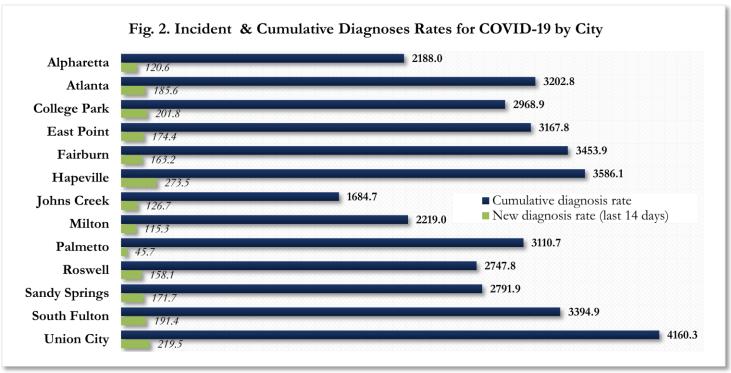
In the recent two week reporting period (10/14-10/27), there were more new cases of COVID-19 in Fulton County than the previous two weeks (9/30-10/13).

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

COVID-19 CASE COUNTS AND RATES BY CITY

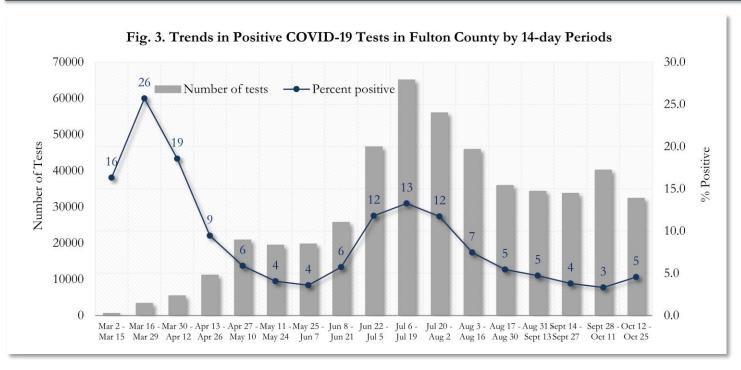
	Prior (10/30/20)	Current Total (11/3/20)			New Cases (Period: 9/30/20 – 10/27/20) ¹			
	Count	Count	⁰ / ₀	Cum. Rate ²	Recent 14 d. (10/14– 10/27)	Prior 14 d. (9/30– 10/13)	% change ³	Rate ⁴ (Last 14 d).
Alpharetta	1382	1415	4.4%	2188.0	78	65	↑ 20.0%	120.6
Atlanta	13896	14130	44.2%	3202.8	819	495	↑ 65.5%	185.6
Chattahoochee Hills	1	1	0.0%	-	0	0	-	-
College Park	405	412	1.3%	2968.9	28	10	† 180.0%	201.8
East Point	1103	1108	3.5%	3167.8	61	27	↑ 125.9%	174.4
Fairburn	499	508	1.6%	3453.9	24	20	↑ 20.0%	163.2
Hapeville	235	236	0.7%	3586.1	18	<10	↑ 125.0%	273.5
Johns Creek	1370	1409	4.4%	1684.7	106	74	† 43.2%	126.7
Milton	824	847	2.7%	2219.0	44	36	↑ 22.2%	115.3
Mountain Park	7	7	0.0%	1120.0	0	0	-	-
Palmetto	133	136	0.4%	3110.7	<10	<10	↓ 66.7%	45.7
Roswell	2543	2590	8.1%	2747.8	149	117	↑ 27.4%	158.1
Sandy Springs	2883	2943	9.2%	2791.9	181	123	↑ 47.2%	171.7
South Fulton	3185	3229	10.1%	3394.9	182	133	† 36.8%	191.4
Union City	861	872	2.7%	4160.3	46	41	↑ 12.2%	219.5
Unknown	2635	2119	6.6%	-	100	36	-	-

*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.

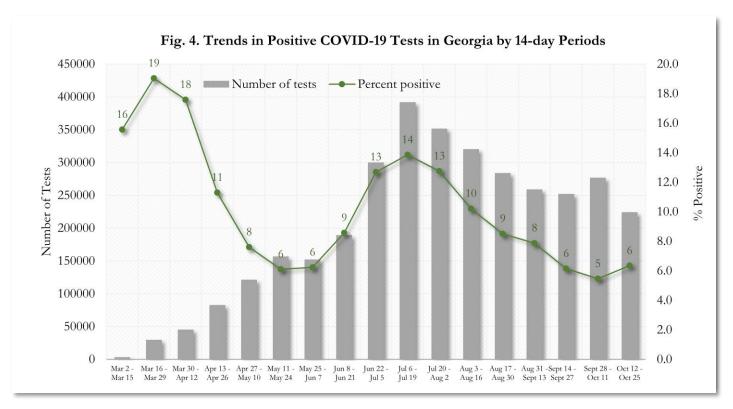


^{*}Rates shown are per 100,000 persons | **Note:** Mass testing in specific locations (e.g. long term care facilities) may cause sharp increases in the cumulative rate of COVID-19 diagnosis in those territories. All data shown are preliminary and are subject to change as testing results get updated.

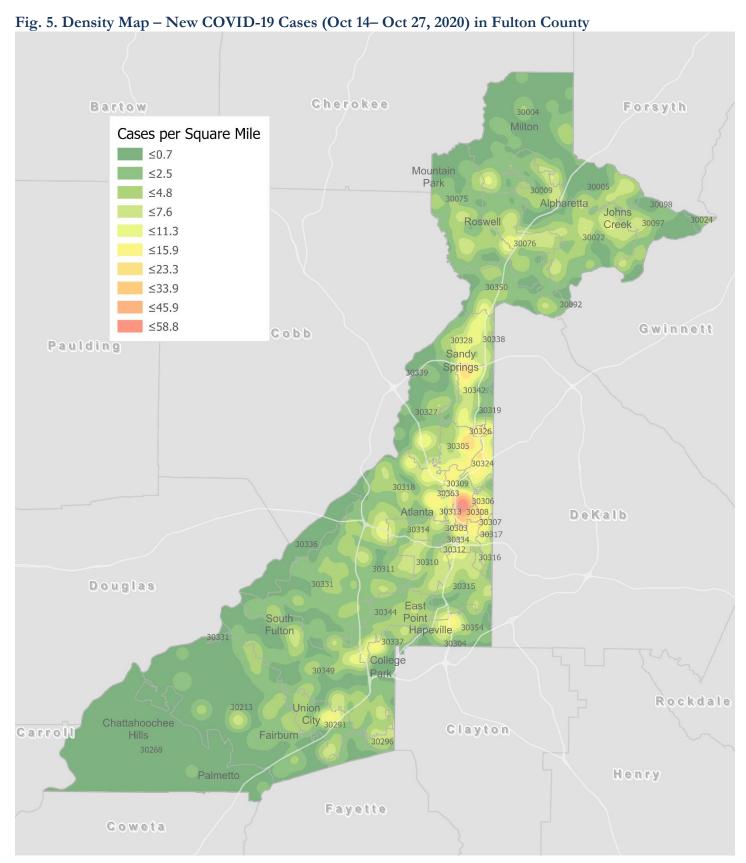
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY AND GEORGIA



^{*}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 14^{th} and Oct 27^{th} , 2020 across Fulton County, excluding LTCF cases.

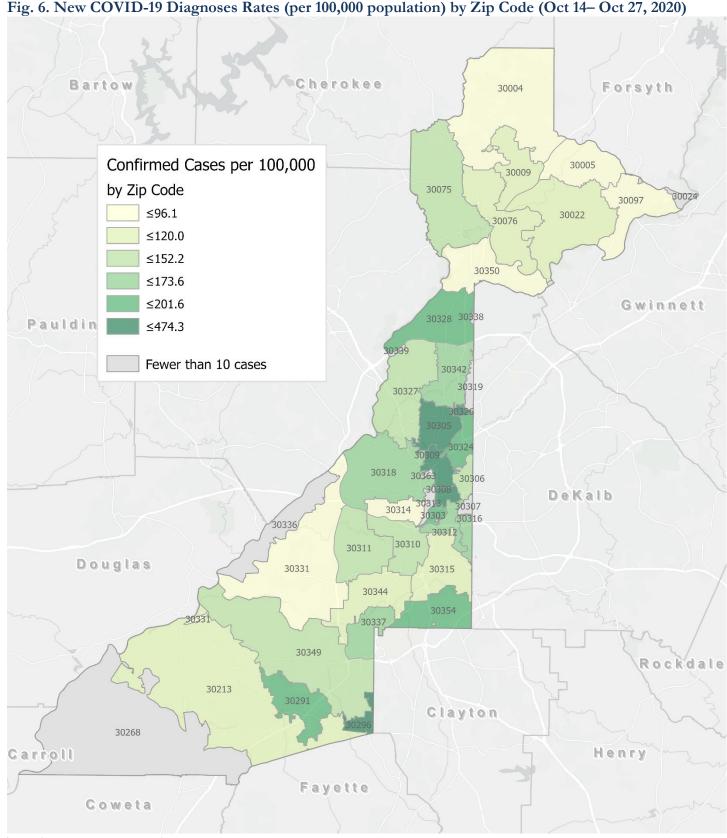


Fig. 6. New COVID-19 Diagnoses Rates (per 100,000 population) by Zip Code (Oct 14- Oct 27, 2020)

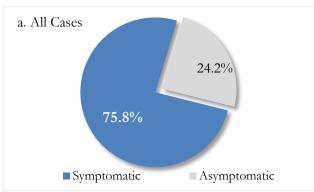
*Rates shown are per 100,000 populations.

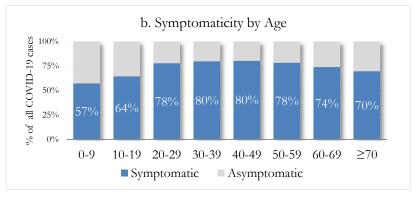
New COVID-19 cases: Cases diagnosed in most recent 14 days (based on reported dates of positive sample collection). To allow for lag in reporting results of positive cases from samples collected in the immediate past7 days, data used for incident diagnoses analyses are moved back by one week. Data used 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

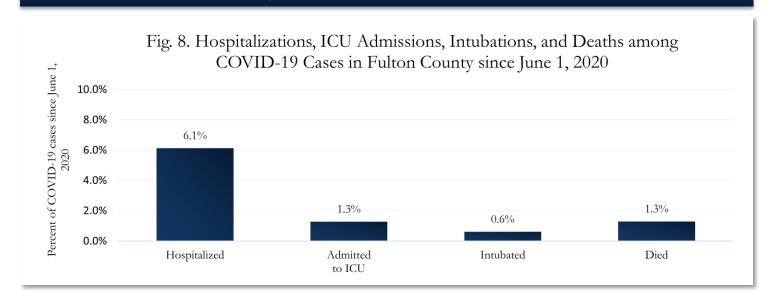
Fig. 7a & b. Total Proportion Reporting Symptoms in Fulton County





^{***}COVID-19 cases who have been case interviewed or had medical charts reviewed as of 11/3/20 only. n = 21,604***

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 Count (%)	Atlanta Count (%)	South Fulton Cities ² Count (%)	Unknown City Count (%)	All Fulton Count (%)
Total COV	ID-19 cases	9211	14130	6502	2119	31962
Gender: Fer	male	4715 (51.2%)	6880 (48.7%)	3640 (56.0%)	1024 (48.3%)	16259 (50.9%)
Ma	le	4335 (47.1%)	6812 (48.2%)	2724 (41.9%)	1025 (48.4%)	14896 (46.6%)
Uni	known*	161 (1.7%)	438 (3.1%)	138 (2.1%)	70 (3.3%)	807 (2.5%)
Age: 0-9		316 (3.4%)	269 (1.9%)	210 (3.2%)	53 (2.5%)	848 (2.7%)
10	0-19	1343 (14.6%)	1062 (7.5%)	475 (7.3%)	147 (6.9%)	3027 (9.5%)
20)-29	2031 (22.0%)	4263 (30.2%)	1253 (19.3%)	557 (26.3%)	8104 (25.4%)
30)-39	1425 (15.5%)	3095 (21.9%)	1360 (20.9%)	471 (22.2%)	6351 (19.9%)
40)-49	1433 (15.6%)	1824 (12.9%)	1182 (18.2%)	320 (15.1%)	4759 (14.9%)
50)-59	1340 (14.5%)	1481 (10.5%)	886 (13.6%)	261 (12.3%)	3968 (12.4%)
60	0-69	698 (7.6%)	976 (6.9%)	587 (9.0%)	165 (7.8%)	2426 (7.6%)
≥70	0	618 (6.7%)	1111 (7.9%)	544 (8.4%)	136 (6.4%)	2409 (7.5%)
Unk	known*	<10	49 (0.3%)	<10	<10	70 (0.2%)
Race: Asia	n, NH	351 (3.8%)	245 (1.7%)	25 (0.4%)	31 (1.5%)	652 (2.0%)
Blac	ck, NH	1044 (11.3%)	6197 (43.9%)	4567 (70.2%)	739 (34.9%)	12547 (39.3%)
Whi	ite, NH	3948 (42.9%)	3576 (25.3%)	305 (4.7%)	510 (24.1%)	8339 (26.1%)
His	panic	1765 (19.2%)	920 (6.5%)	543 (8.4%)	204 (9.6%)	3432 (10.7%)
Oth	ier, NH	336 (3.6%)	525 (3.7%)	169 (2.6%)	81 (3.8%)	1111 (3.5%)
Unk	known*	1767 (19.2%)	2667 (18.9%)	893 (13.7%)	554 (26.1%)	5881 (18.4%)

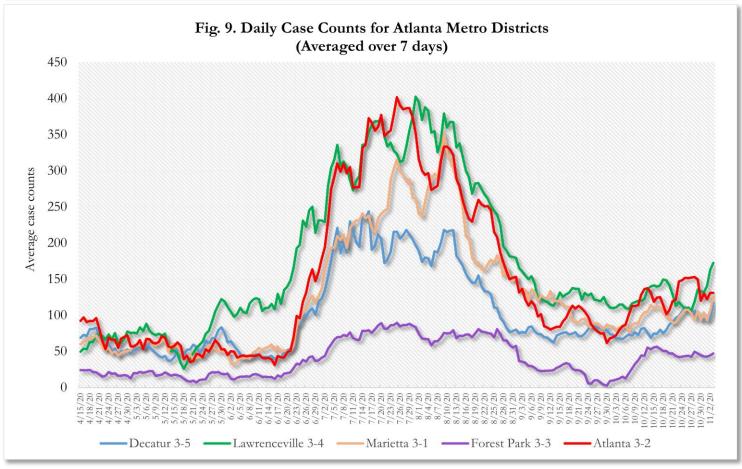
^{*}Unknown includes cases not yet interviewed.

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	138	304	167	20	629
Gende	er: Female	63 (45.7%)	138 (45.4%)	86 (51.5%)	10 (50.0%)	297 (47.2%)
	Male	75 (54.3%)	166 (54.6%)	81 (48.5%)	10 (50.0%)	332 (52.8%)
	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 (8.6%)
	60-69	17 (12.3%)	60 (19.7%)	37 (22.2%)	<10	115 (18.3%)
	≥70	107 (77.5%)	197 (64.8%)	98 (58.7%)	13 (65.0%)	415 (66.0%)
	Unknown	0	<10	0	0	<10
Race:	Asian, NH	<10	<10	<10	0	10 (1.6%)
	Black, NH	23 (16.7%)	254 (83.6%)	138 (82.6%)	<10	424 (67.4%)
	White, NH	95 (68.8%)	38 (12.5%)	20 (12.0%)	10 (50.0%)	163 (25.9%)
	Hispanic	14 (10.1%)	<10	<10	<10	25 (4.0%)
	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

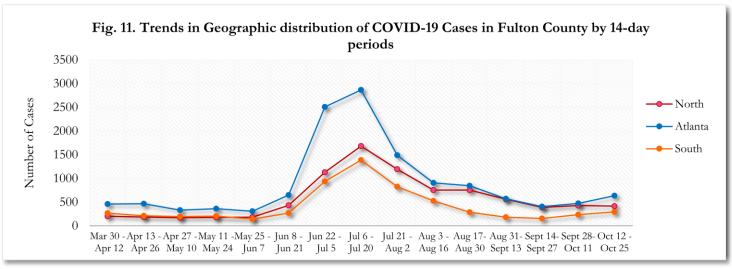


^{*}Graph shows the average number of cases calculated from the daily cumulative case counts in the metro Atlanta districts. Increases in daily cumulative case counts may include cases diagnosed earlier during the pandemic but were only recently reported to the state as cases diagnosed belonging to these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

Hall Forsyth Bartow Cherokee Jackson ₩ K Barrow Cobb Paulding Gwinnett Oconec anville Walton Fultor DeKalb Douglas Rockdale Morgan Clayton Newton Carroll Henry Favette **Health Districts** Cases per Square Mile ≤0.8 ≤2.5 Jasper ≤4.5 Spalding 3-4 ≤6.8 3-1 ≤9.8 3-5 ≤13.9 ≤20.9 ≤32.6 Troup ≤47.4 Jones Pike Ionroe ≤64.4 Upsan

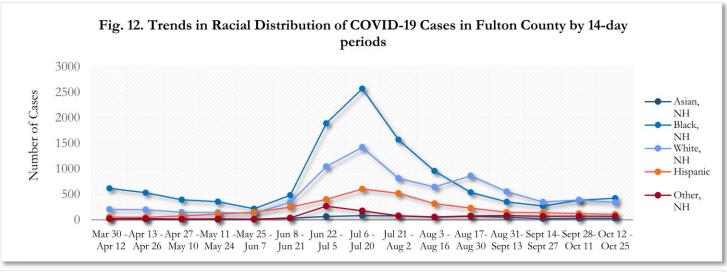
Fig. 10. COVID-19 Cases in Fulton County and Surrounding Districts (Oct 14 – Oct 27, 2020)

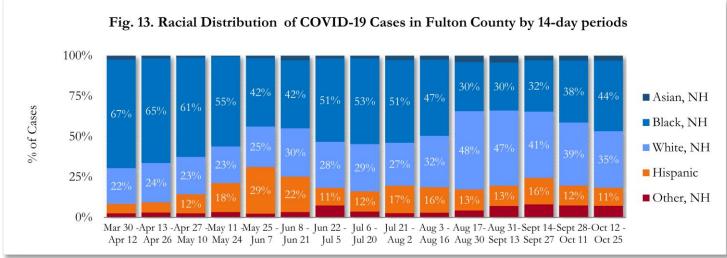
TRENDS IN COVID-19 CASES AMONG DEMOGRAPHIC GROUPS (14 DAY PERIODS)



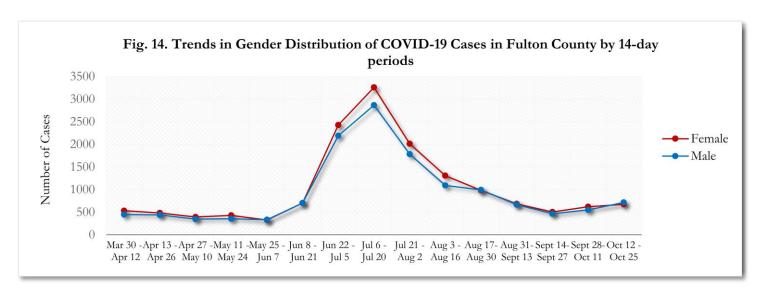
In the past two weeks, the city of Atlanta accounted for the majority of new cases.

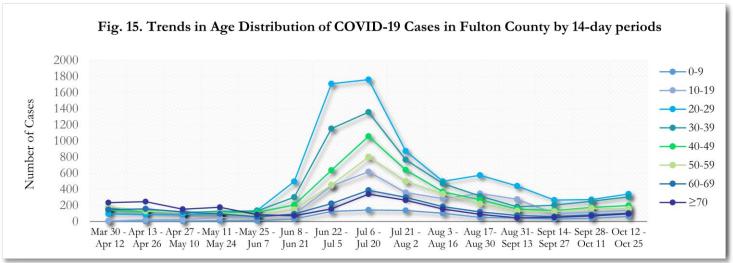
^{*}South - Includes all Fulton cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, and Union City)



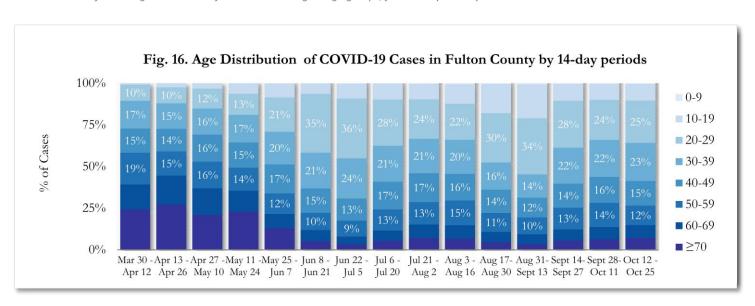


^{*}North -Includes all Fulton cities north of Atlanta (Alpharetta, Milton, Johns Creek, Roswell, Sandy Springs, Mountain Park)

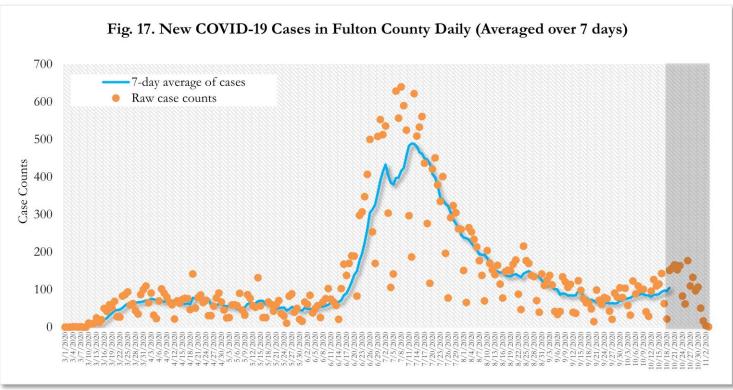




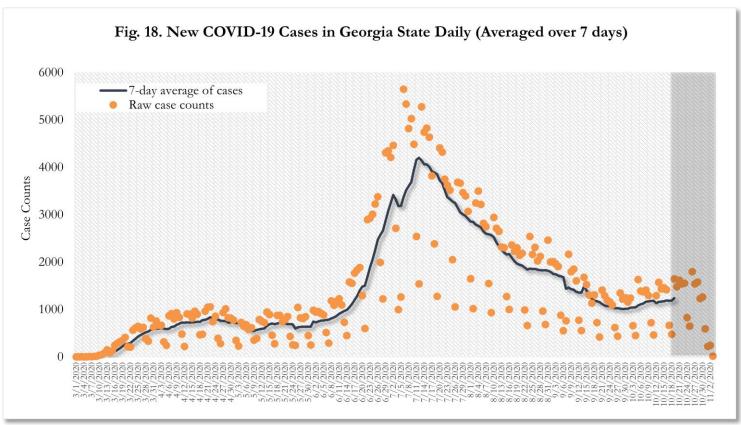
Earlier (March-May 2020) large proportions of reported cases were among persons aged 60 and older. In the most recent two weeks, 20-29 year olds accounted for the highest number of new cases among all age groups, followed by 30-39 year olds.



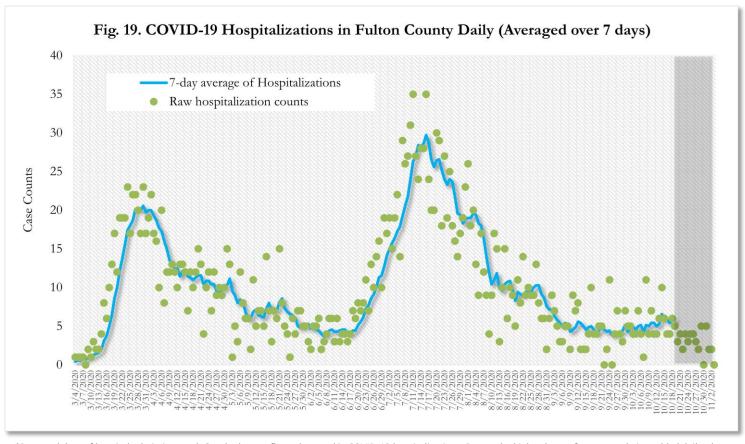
TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)



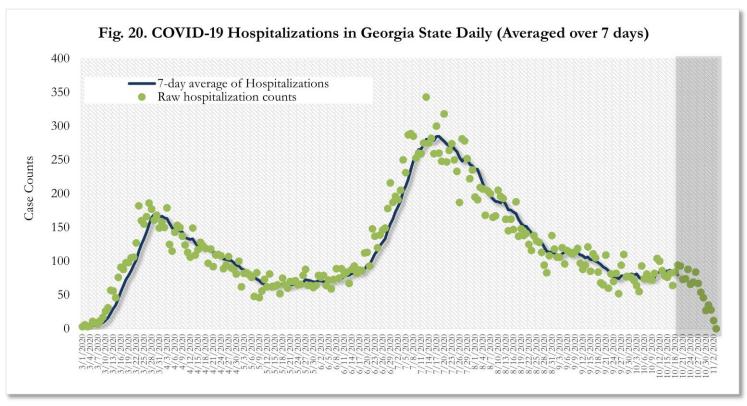
^{*}Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject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



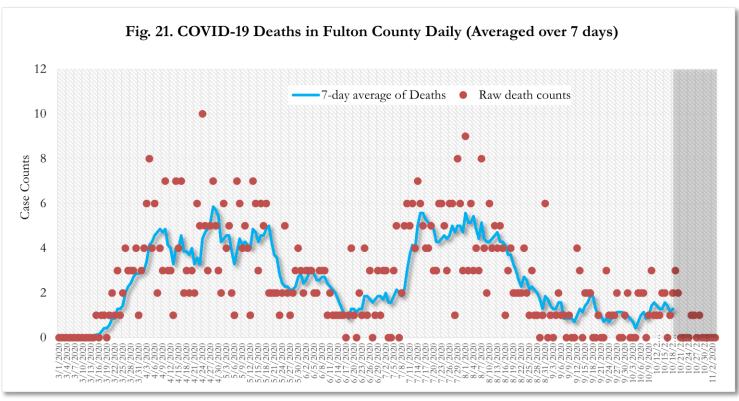
^{*}Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject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



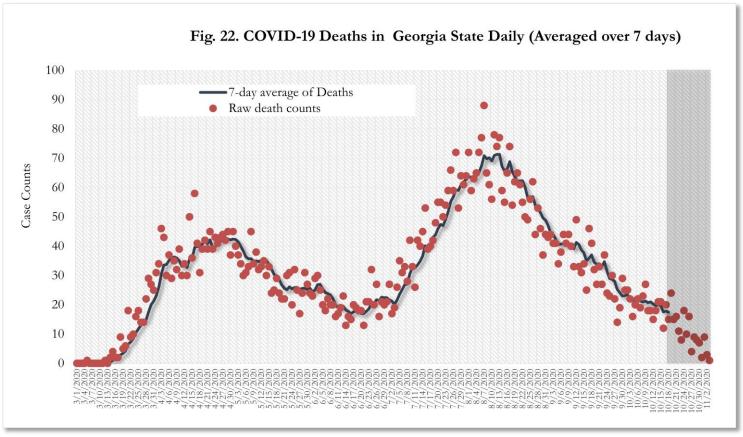
^{*}Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the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

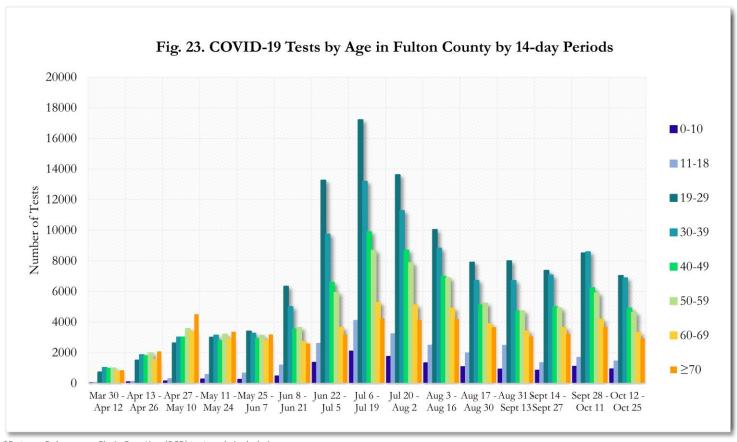


^{*} Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

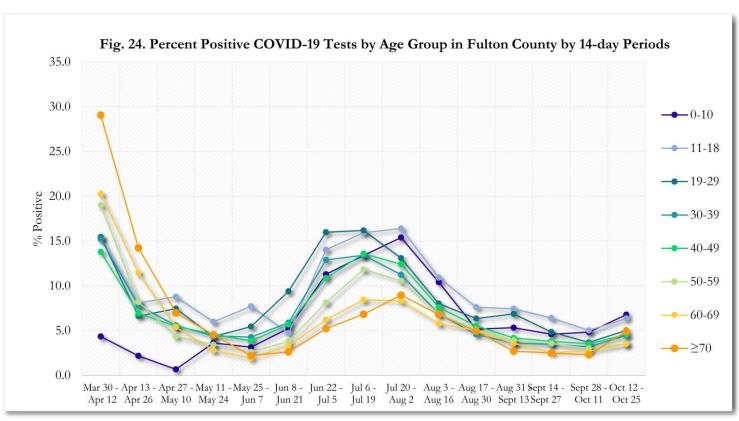


^{*}Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

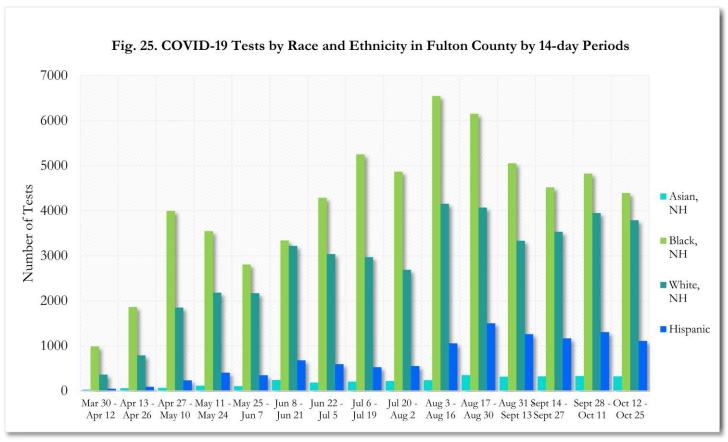
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY BY AGE AND RACE



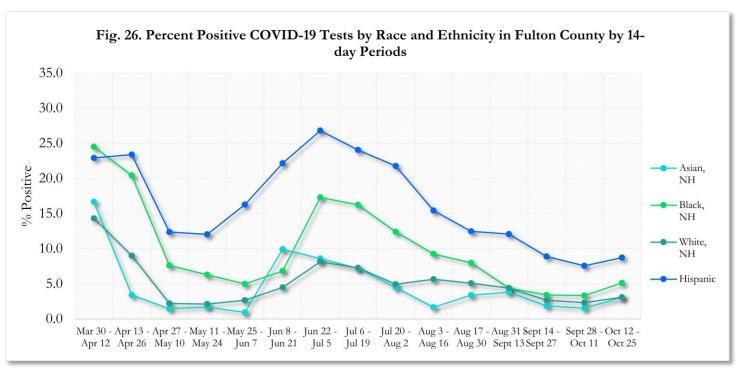
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



^{*}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 (10/27/20)	Current Tota	al (11/03/20)		(Period: 9/30/20 –	10/27/20)1
	Count	Count	0/0	Recent 14 d. (Oct 14— Oct 27)	Prior 14 d. (Sept 30 – Oct 13)	% change ²
All Fulton	31416	31962	100%	1838	1193	↑ 54.1%
30004	1045	1074	3.36%	59	56	↑ 5.4%
30005	588	611	1.91%	39	27	↑ 44.4%
30009	520	532	1.66%	24	19	↑ 26.3%
30022	1377	1404	1.03%	89	76	† 17.1%
30023	<10	<10	<0.1%	0	0	-
30024	15	18	<0.1%	<10	0	-
30075	1224	1253	3.92%	71	54	↑ 31.5%
30076	1245	1265	3.96%	78	58	† 34.5%
30080	<10	<10	<0.1%	0	0	-
30097	307	317	0.99%	28	15	↑ 86.7%
30098	-	-	-	0	0	-
30135	<10	<10	<0.1%	0	0	-
30138	<10	<10	<0.1%	0	0	-
30139	-	-	-	0	0	-
30213	1211	1234	3.86%	60	54	† 11.1%
30268	208	212	0.66%	<10	<10	-
30291	860	869	2.72%	52	36	↑ 44.4%
30296	67	68	0.21%	13	<10	↑ 550.0%
30301	11	11	<0.1%	<10	0	-
30303	409	416	1.30%	17	29	↓ 41.4%
30305	912	937	2.93%	67	42	↑ 59.5%
30306	387	396	1.24%	23	11	† 109.1%
30307	218	223	0.70%	11	10	↑ 10.0%
30308	659	683	2.14%	60	20	↑ 200.0%
30309	963	981	3.07%	84	31	↑ 171.0%
30310	829	835	2.61%	43	21	↑ 104.8%
30311	869	877	2.74%	49	18	↑ 172.2%
30312	892	905	2.83%	38	41	↓ 7.3%
30313	326	328	1.03%	<10	<10	-
30314	616	619	1.94%	21	13	↑ 61.5%
30315	967	974	3.05%	44	29	↑ 51.7%
30316	419	427	1.34%	22	<10	↑ 175.0%
30318	1944	1973	6.17%	112	61	↑ 83.6%
30319	167	169	0.53%	11	12	↓ 8.3%
30321	11	11	<0.1%	<10	0	-
30324	1021	1036	3.24%	61	27	↑ 125.9%
30326	281	293	0.92%	26	11	† 136.4%
30327	664	688	2.15%	58	35	↑ 65.7%
30328	959	983	3.08%	79	44	↑ 79.5%
30331	1910	1934	6.05%	73	84	↓ 13.1%
30334	13	13	<0.1%	<10	0	-
30336	91	91	0.28%	<10	<10	-
30337	384	391	1.22%	27	10	↑ 170.0%
30338	106	106	0.33%	<10	0	-
30339	269	277	0.87%	18	<10	↑ 800.0%
30340	31	31	<0.1%	0	<10	↓ 100.0%
30341	31	31	<0.1%	0	0	-
30342	1330	1357	4.25%	76	44	↑ 72.7%
30344	1006	1011	3.16%	46	25	↑ 84.0%
30345	25	25	<0.1%	0	0	-

30349	2010	2033	6.36%	120	76	↑ 57.9%
30350	719	729	2.28%	38	35	↑ 8.6%
30354	485	487	1.52%	36	16	↑ 125.0%
30358	<10	<10	<0.1%	0	0	-
30363	78	78	0.24%	<10	<10	-
30374	31	31	<0.1%	0	0	-
30606	<10	<10	<0.1%	0	0	-
31131	<10	<10	<0.1%	0	0	-
31150	<10	<10	<0.1%	0	0	-
Unknown	1229	691	2.16%	18	18	-

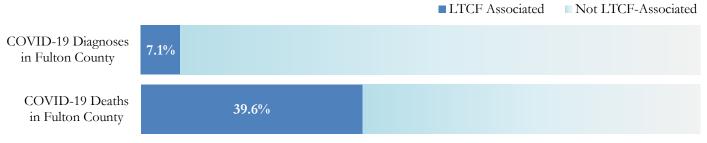
<u>New cases:</u> Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. <u>Percent change: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

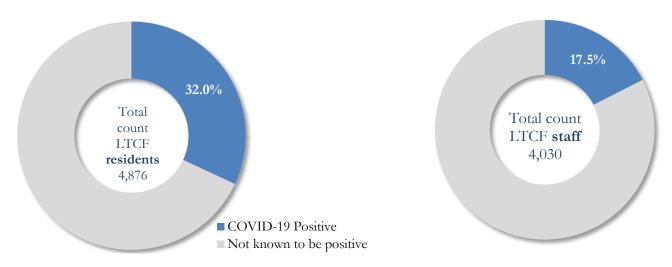
Fig. 27. COVID-19 Diagnoses and Deaths in Fulton County Associated with Long-Term Care Facilities



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

	LTCF 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	

^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.