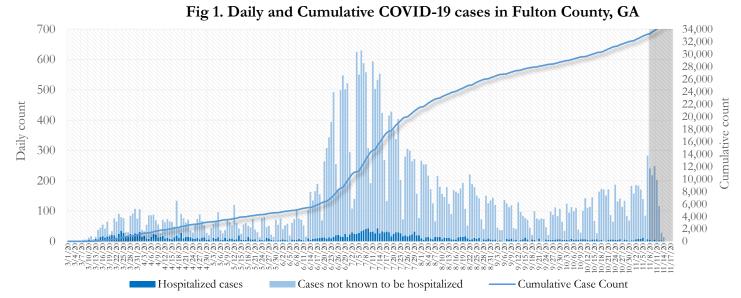


Fulton County Board of Health Epidemiology Report

COVID-19 Cases – 11/17/2020

SUMMARY

- As of November 17, 2020, Fulton County has recorded **34,615** cases of the **2019** novel coronavirus (COVID-19) and **652** confirmed COVID-19 deaths. 78 deaths are currently being reviewed by GA DPH to confirm cause of death.
- Of the **2,300** new cases between October 28 and November 10, the central portion of the county (Atlanta) accounted for 44% while the northern and southern parts accounted for 37% and 15% respectively.
- By city, new COVID-19 case rates range from 121.6 per 100,000 persons (Hapeville) to 480.0 per 100,000 persons (Mountain Park see footnote on pg. 2). [Fulton County Diagnoses Rates (per 100,000 persons): Cumulative 3149.2; Incidence –209.2]. See map showing incidence case rate by ZIP code on Pg.17.
- Among all persons diagnosed with COVID-19 in Fulton County since June 1, 6.0% required hospitalization and 1.3% died.
- Of all testing done in Fulton County between October 26 and November 8, the percent positivity rate was 5.3%.



*Counts shown reflect the number of confirmed cases as of 6:30 am on 11/17/20 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: 44% of the new COVID-19 cases in the past 2 weeks occurred in Atlanta while 37% and 15% occurred in the Northern and Southern regions of the county respectively.

Eulton Dooion	% Cumulative	% New	
Fulton Region	count	cases*	
Atlanta	44.2%	43.7%	
North ¹	29.5%	37.4%	
South ²	20.0%	15.4%	
Unincorporated/Unknown	6.2%	3.5%	

Includes all Fulton County cities north of Atlanta (Alpharetta, Milton, Johns Creek, Roswell, Sandy Springs, Mountain Park) | Includes 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 10/28/20 – 11/10/20).

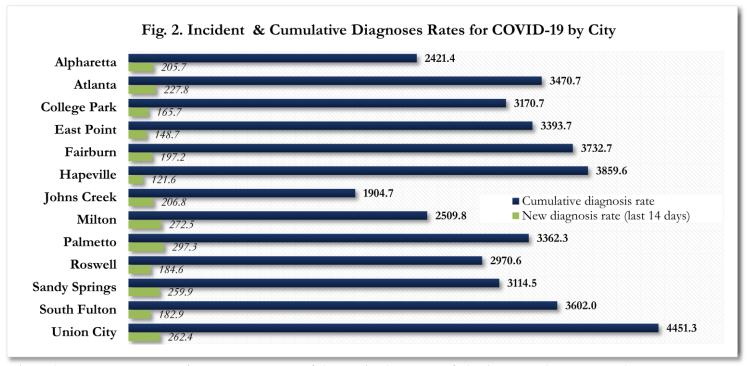
In the recent two week reporting period (10/28-11/10), there were more new cases of COVID-19 in Fulton County than the previous two weeks (10/14-10/27).

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

COVID-19 CASE COUNTS AND RATES BY CITY

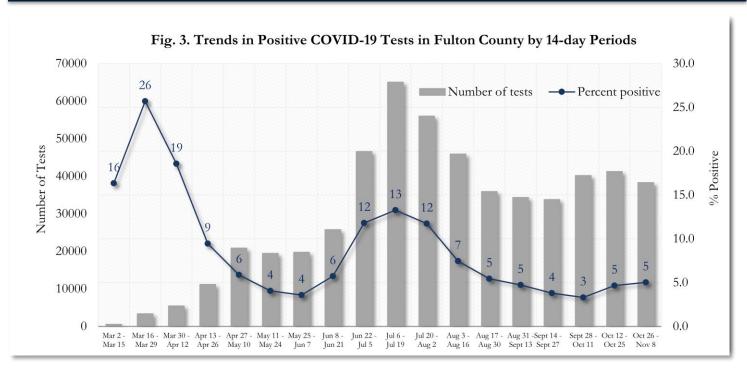
	Prior (11/13/20)	Current Total (11/17/20)			New Cases (Period: 10/14/20 – 11/10/20) ¹			
	Count	Count	%	Cum. Rate ²	Recent 14 d. (10/28– 11/10)	Prior 14 d. (10/14– 10/27)	% change ³	Rate ⁴ (Last 14 d).
Alpharetta	1493	1566	4.5%	2421.4	133	78	↑ 70 . 5%	205.7
Atlanta	14774	15312	44.2%	3470.7	1005	810	↑ 24.1%	227.8
Chattahoochee Hills	1	1	0.0%	-	0	0	-	-
College Park	429	440	1.3%	3170.7	23	27	↓ 14.8%	165.7
East Point	1145	1187	3.4%	3393.7	52	61	↓ 14.8%	148.7
Fairburn	526	549	1.6%	3732.7	29	23	↑ 26.1%	197.2
Hapeville	242	254	0.7%	3859.6	<10	17	↓ 52.9%	121.6
Johns Creek	1515	1593	4.6%	1904.7	173	104	↑ 66.3%	206.8
Milton	911	958	2.8%	2509.8	104	41	↑ 153.7%	272.5
Mountain Park	10	10	0.0%	1600.0	<10	0	-	480.0^{5}
Palmetto	141	147	0.4%	3362.3	13	<10	↑ 550.0%	297.3
Roswell	2684	2800	8.1%	2970.6	174	145	↑ 20.0%	184.6
Sandy Springs	3119	3283	9.5%	3114.5	274	174	↑ 57.5%	259.9
South Fulton	3332	3426	9.9%	3602.0	174	177	↓ 1.7%	182.9
Union City	906	933	2.7%	4451.3	55	43	↑ 27.9%	262.4
Unknown	2112	2156	6.2%	-	79	75	-	-

*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. *Incidence rate is skewed high due to small population. *Note: All data reported are preliminary and subject to change.

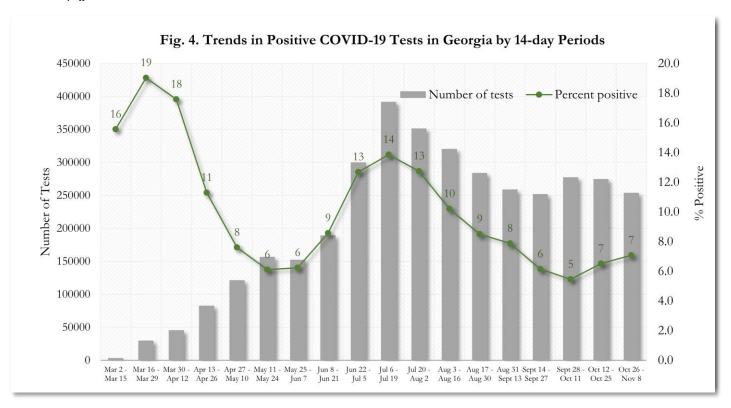


^{*}Rates shown are per 100,000 persons | **Note:** Mass testing in specific locations (e.g. long term care facilities) may cause sharp increases in the cumulative rate of COVID-19 diagnosis in those territories. All data shown are preliminary and are subject to change as testing results get updated.

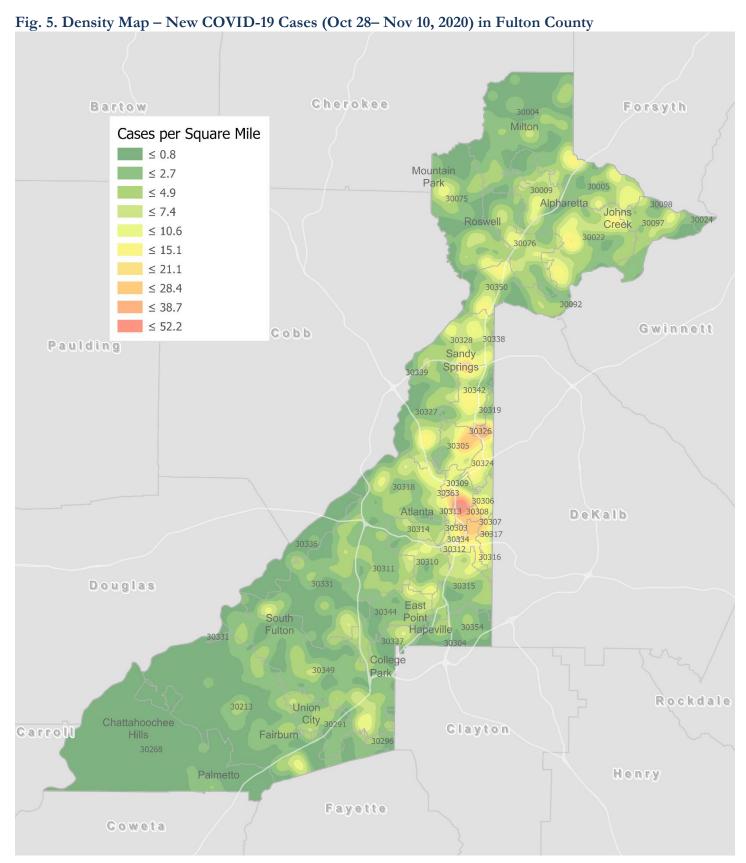
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY AND GEORGIA



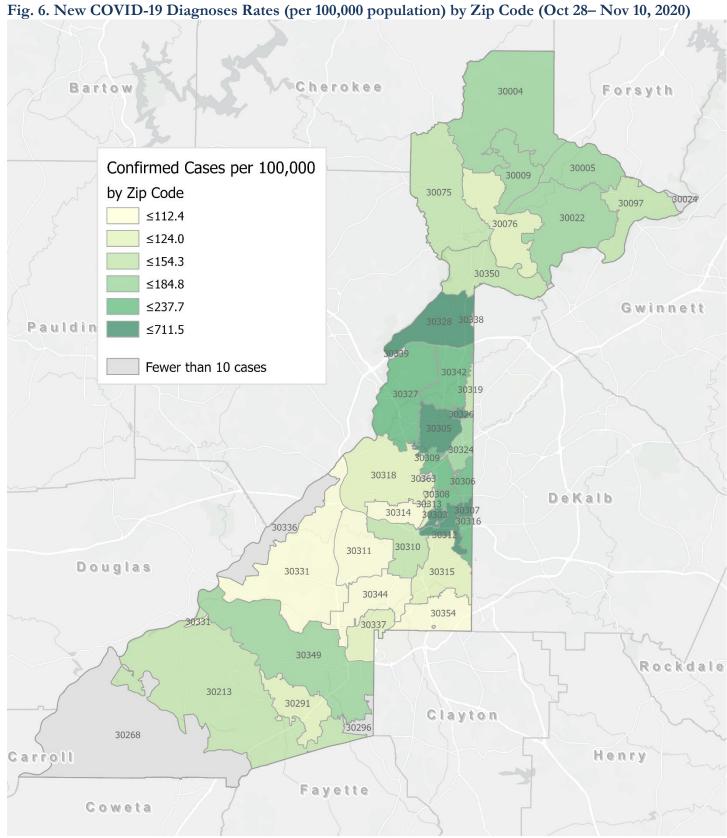
*Data on Polymerase Chain Reaction (PCR) tests only included. This rate is subject to change as more test results are reported. A recent backlog in reporting electronic lab results may affect the most recent rate.



^{*}Data on Polymerase Chain Reaction (PCR) tests only included. This rate is subject to change as more test results are reported. A recent backlog in reporting electronic lab results may affect the most 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 Oct 28^{th} and Nov 10^{th} , 2020 across Fulton County, excluding LTCF cases.



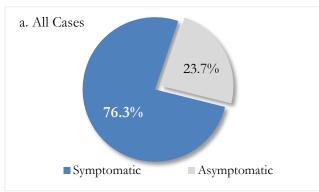
*Rates shown are per 100,000 populations.

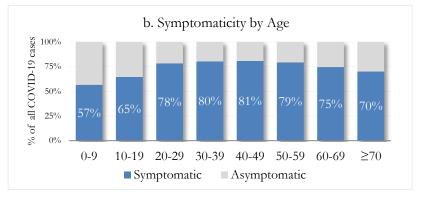
New COVID-19 cases: Cases diagnosed in most recent 14 days (based on reported dates of positive sample collection). To allow for lag in reporting results of positive cases from samples collected in the immediate past7 days, data used for incident diagnoses analyses are moved back by one week. Data used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

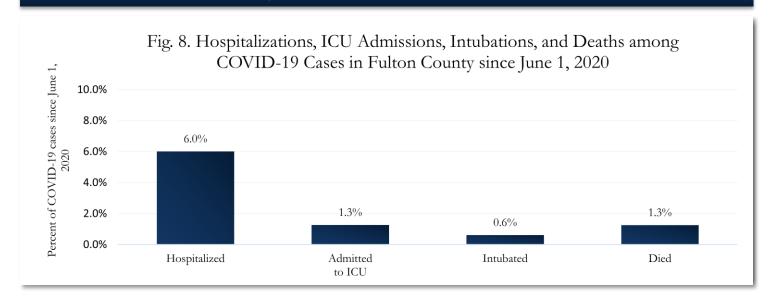
Fig. 7a & b. Total Proportion Reporting Symptoms in Fulton County





^{***}COVID-19 cases who have been case interviewed or had medical charts reviewed as of 11/17/20 only. n = 23,444***

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	COVID-19 cases	10210	15312	6937	2156	34615
Gende	er: Female	5247 (51.4%)	7509 (49.0%)	3907 (56.3%)	1041 (48.3%)	17704 (51.1%)
	Male	4809 (47.1%)	7449 (48.6%)	2922 (42.1%)	1047 (48.6%)	16227 (46.9%)
	Unknown*	154 (1.5%)	354 (2.3%)	108 (1.6%)	68 (3.2%)	684 (2.0%)
Age:	0-9	344 (3.4%)	299 (2.0%)	227 (3.3%)	55 (2.6%)	925 (2.7%)
	10-19	1457 (14.3%)	1134 (7.4%)	502 (7.2%)	144 (6.7%)	3237 (9.4%)
	20-29	2217 (21.7%)	4624 (30.2%)	1328 (19.1%)	574 (26.6%)	8743 (25.3%)
	30-39	1572 (15.4%)	3378 (22.1%)	1437 (20.7%)	457 (21.2%)	6844 (19.8%)
	40-49	1617 (15.8%)	1997 (13.0%)	1267 (18.3%)	322 (14.9%)	5203 (15.0%)
	50-59	1522 (14.9%)	1610 (10.5%)	955 (13.8%)	277 (12.8%)	4364 (12.6%)
	60-69	798 (7.8%)	1046 (6.8%)	641 (9.2%)	169 (7.8%)	2654 (7.7%)
	≥70	677 (6.6%)	1172 (7.7%)	574 (8.3%)	149 (6.9%)	2572 (7.4%)
	Unknown*	<10	52 (0.3%)	<10	<10	73 (0.2%)
Race:	Asian, NH	403 (3.9%)	281 (1.8%)	26 (0.4%)	36 (1.7%)	746 (2.2%)
	Black, NH	1162 (11.4%)	6679 (43.6%)	4948 (71.3%)	759 (35.2%)	13548 (39.1%)
	White, NH	4472 (43.8%)	4100 (26.8%)	333 (4.8%)	535 (24.8%)	9440 (27.3%)
	Hispanic	1880 (18.4%)	989 (6.5%)	577 (8.3%)	205 (9.5%)	3651 (10.5%)
	Other, NH	366 (3.6%)	557 (3.6%)	173 (2.5%)	76 (3.5%)	1172 (3.4%)
	Unknown*	1927 (18.9%)	2706 (17.7%)	880 (12.7%)	545 (25.3%)	6058 (17.5%)

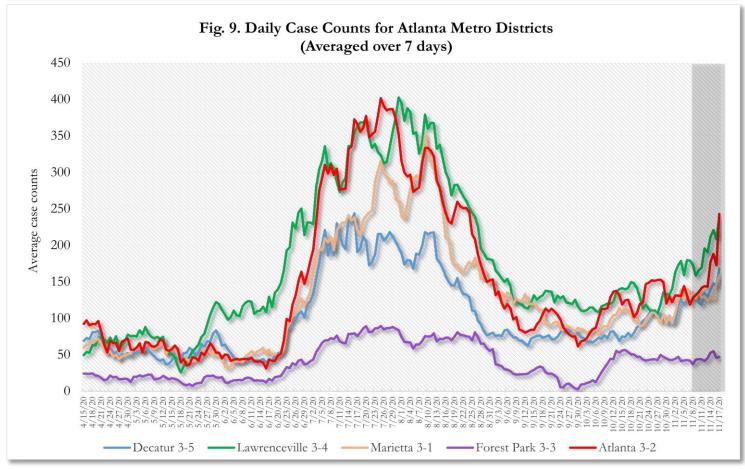
^{*}Unknown includes cases not yet interviewed.

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	145	317	168	22	652
Gende	er: Female	68 (46.9%)	144 (45.4%)	86 (51.2%)	10 (45.5%)	308 (47.2%)
	Male	77 (53.1%)	173 (54.6%)	82 (48.8%)	12 (54.5%)	344 (52.8%)
	Unknown	0	0	0	0	0
Age:	≤ 29	<10	<10	<10	0	<10
	30-39	<10	<10	<10	<10	14 (2.1%)
	40-49	<10	<10	10 (6.0%)	<10	26 (4.0%)
	50-59	<10	27 (8.5%)	18 (10.7%)	<10	55 (8.4%)
	60-69	17 (11.7%)	61 (19.2%)	38 (22.6%)	<10	117 (17.9%)
	≥70	113 (77.9%)	209 (65.9%)	98 (58.3%)	15 (68.2%)	435 (66.7%)
	Unknown	0	0	0	0	0
Race:	Asian, NH	<10	<10	<10	0	11 (1.7%)
	Black, NH	27 (18.6%)	263 (83.0%)	139 (82.7%)	<10	438 (67.2%)
	White, NH	99 (68.3%)	42 (13.2%)	20 (11.9%)	11 (50.0%)	172 (26.4%)
	Hispanic	15 (10.3%)	<10	<10	<10	28 (4.3%)
	Other, NH	0	<10	<10	0	<10
	Unknown	0	<10	0	0	<10

¹Includes all Fulton County cities north of Atlanta (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



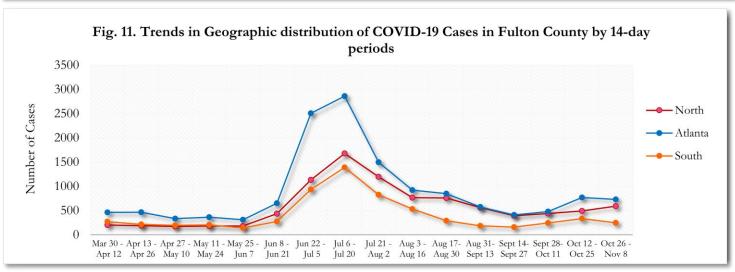
^{*}Graph shows the average number of cases calculated from the daily cumulative case counts in the metro Atlanta districts. Increases in daily cumulative case counts may include cases diagnosed earlier during the pandemic but were only recently reported to the state as cases diagnosed belonging to these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

Hall Forsyth Bartow Cherokee Jackson Pok Barrow Paulding Gwinnett Ocenies. Walton Fulton DeKalb Douglas Rockdale Morgan Clayton Carroll Henry Cases per Square Mile Health Districts ≤0.8 ≤2.8 Jasper ≤5.0 Spalding ≤7.6 3-4 3-1 ≤10.6 3-5 ≤14.6 ≤21.4 ≤32.0 ≤46.6 Troup Pike Monroe ≤64.3 Jones

Fig. 10. COVID-19 Cases in Fulton County and Surrounding Districts (Oct 24 – Nov 6, 2020)

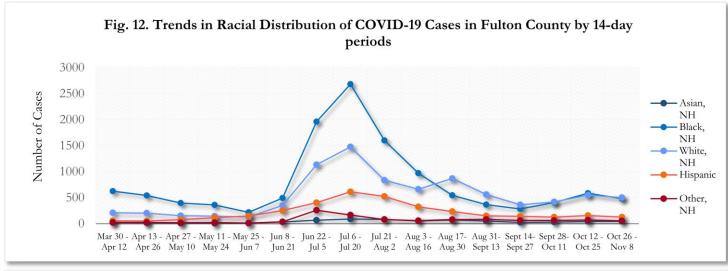
11/17/20 - Due to a technical error, this map was unable to be updated for today's report. The above map reflects counts from 11/13/20.

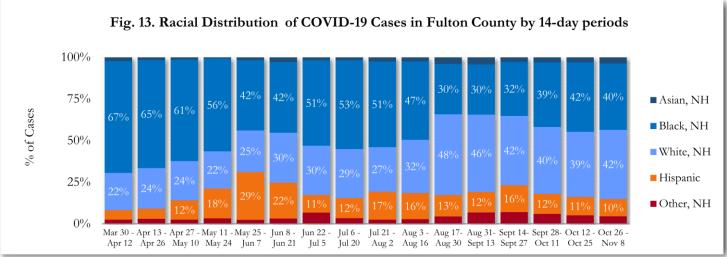
TRENDS IN COVID-19 CASES AMONG DEMOGRAPHIC GROUPS (14 DAY PERIODS)



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

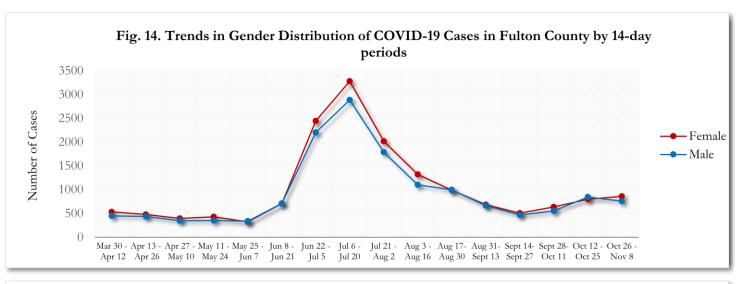
^{*}South - Includes all Fulton cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, and Union City)

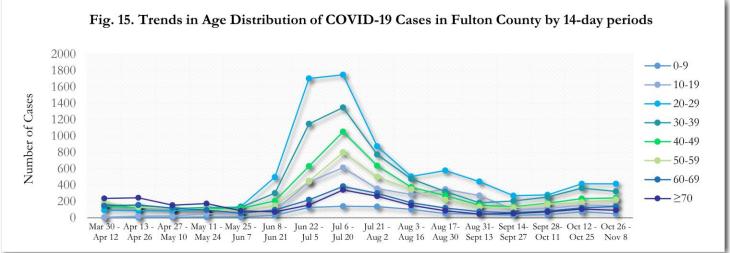




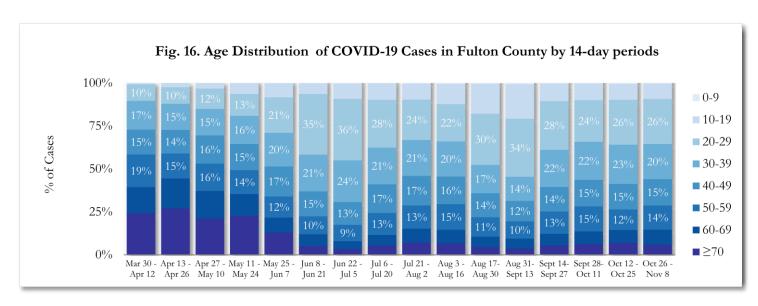
About 18% of COVID cases are missing data on patient race and ethnicity. The majority of new cases in the past two weeks were White, NH (42%) and Black, NH (40%).

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

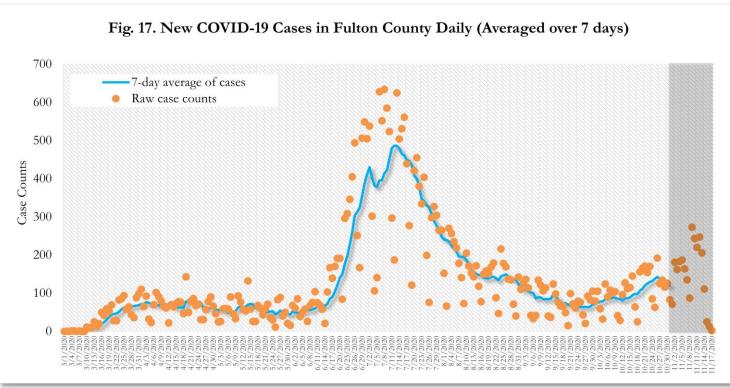




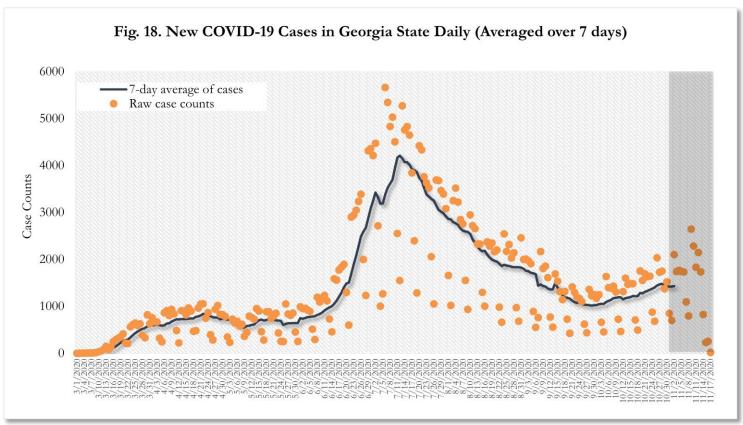
Earlier (March-May 2020) large proportions of reported cases were among persons aged 60 and older. In the most recent two weeks, 20-29 year olds accounted for the highest number of new cases among all age groups, followed by 30-39 year olds.



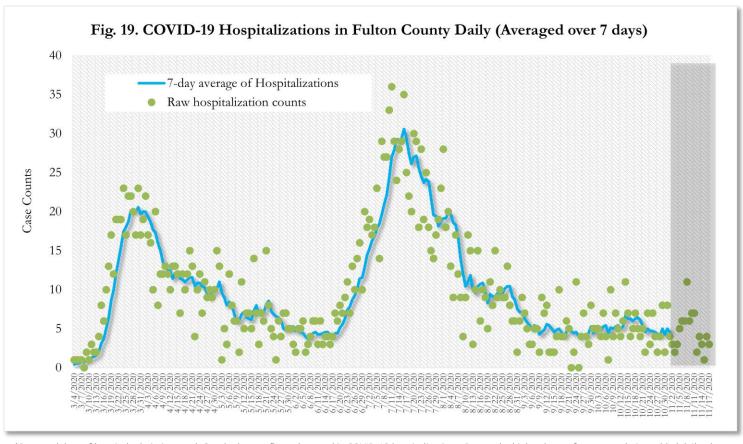
TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)



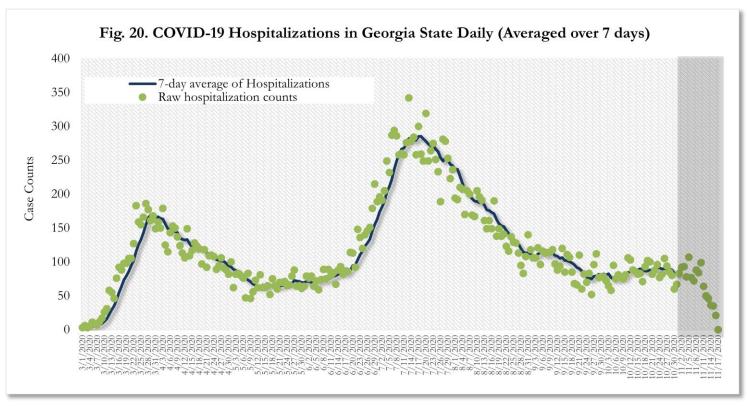
^{*}Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject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



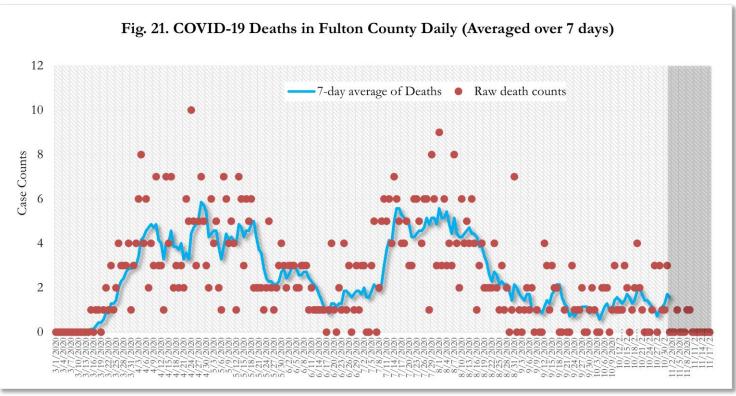
^{*}Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject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



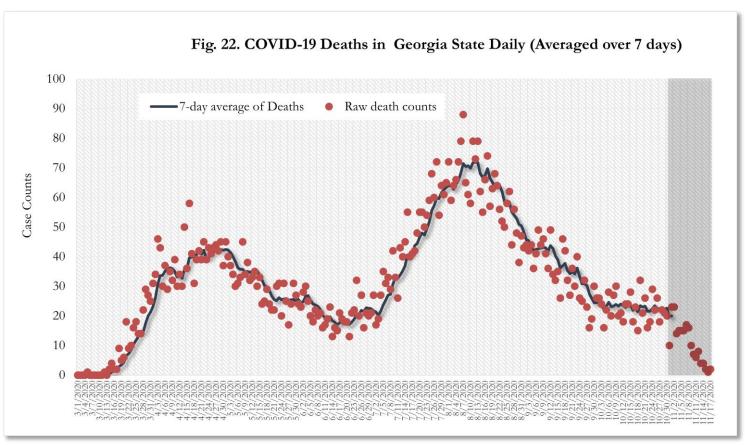
^{*}Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the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

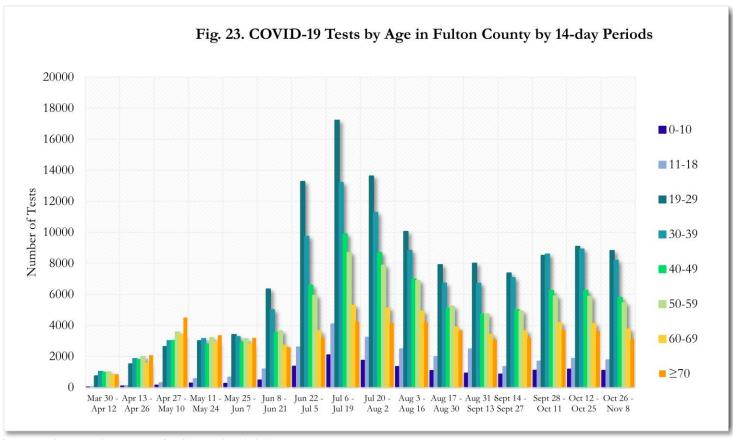


^{*} Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

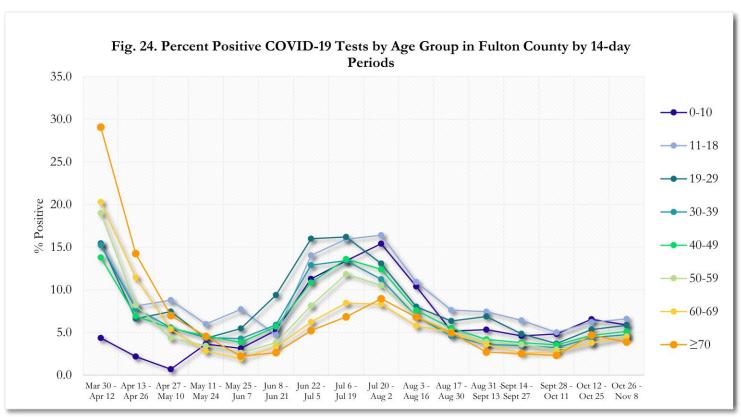


^{*}Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

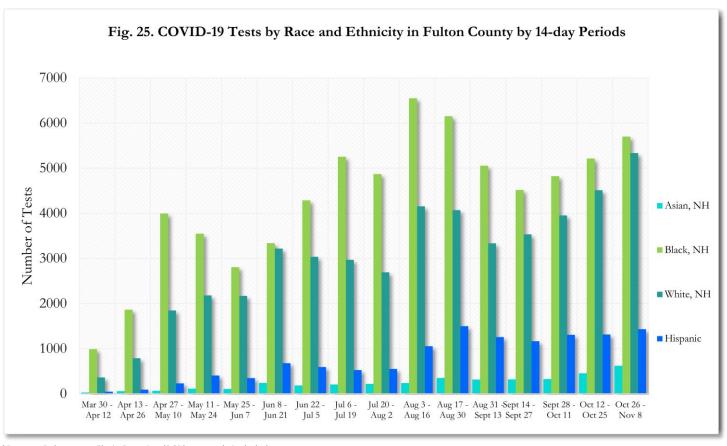
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY BY AGE AND RACE



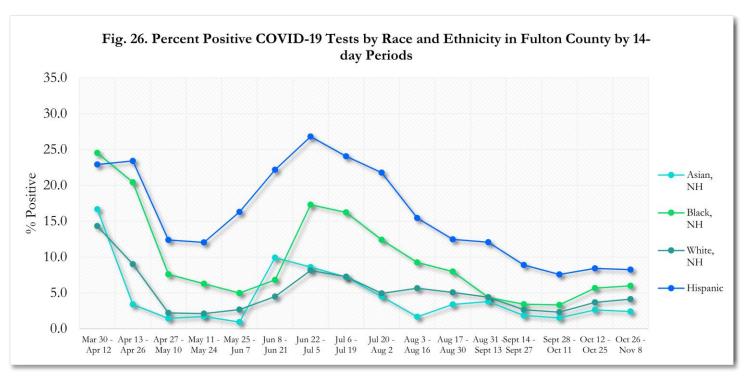
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



^{*}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 (11/13/20)	Current Tot	al (11/17/20)		Period: 10/14/20 -	- 11/10/20)¹
	Count	Count	0/0	Recent 14 d. (Oct 28– Nov 10)	Prior 14 d. (Oct 14— Oct 27)	% change ²
All Fulton	33340	34615	100%	2300	1777	↑ 29.4%
30004	1150	1207	3.49%	123	54	↑ 127.8%
30005	648	679	1.96%	65	35	↑ 85.7%
30009	558	583	1.68%	47	24	↑ 95.8%
30022	1494	1578	1.01%	146	89	↑ 64.0%
30023	<10	<10	<0.1%	0	0	-
30024	18	19	<0.1%	<10	<10	-
30075	1305	1373	3.97%	98	69	↑ 42.0%
30076	1300	1341	3.87%	70	75	↓ 6.7%
30080	<10	<10	<0.1%	<10	0	-
30097	352	368	1.06%	51	27	† 88.9%
30098	-	-	_	0	0	-
30135	<10	<10	<0.1%	0	0	-
30138	<10	<10	<0.1%	0	0	-
30139	-	-	-	0	0	-
30213	1274	1320	3.81%	76	59	↑ 28.8%
30268	214	221	0.64%	15	<10	† 200.0%
30291	898	917	2.65%	39	51	↓ 23.5%
30296	72	78	0.23%	<10	12	↓ 33.3%
30301	12	12	<0.1%	0	<10	↓ 100.0%
30303	431	440	1.27%	24	18	† 33.3%
30305	995	1028	2.97%	99	66	† 50.0%
30306	419	443	1.28%	38	22	† 72.7%
30307	228	235	0.68%	19	<10	111.1%
30308	721	761	2.20%	65	61	↑ 6.6%
30309	1035	1084	3.13%	88	83	↑ 6.0%
30310	870	890	2.57%	48	41	↑ 17.1%
30311	905	935	2.70%	40	49	↓ 18.4%
30312	955	992	2.87%	73	39	↑ 87.2%
30313	335	351	1.01%	19	<10	† 216.7%
30314	634	640	1.85%	17	23	↓ 26.1%
30315	1033	1065	3.08%	67	45	† 48.9%
30316	440	458	1.32%	30	19	↑ 57.9%
30318	2038	2111	6.10%	110	109	↑ 0.9%
30319	182	192	0.55%	19	11	↑ 72.7%
30321	12	12	<0.1%	<10	<10	-
30324	1067	1112	3.21%	64	60	↑ 6.7%
30326	323	342	0.99%	42	26	↑ 61.5%
30327	746	781	2.26%	78	60	↑ 30.0%
30328	1054	1118	3.23%	111	77	↑ 44.2%
30331	1989	2023	5.84%	75	69	↑ 8.7%
30334	13	13	<0.1%	0	<10	↓ 100.0%
30336	94	101	0.29%	<10	<10	-
30337	407	415	1.20%	21	26	↓ 19.2%
30338	101	102	0.29%	<10	<10	-
30339	262	268	0.77%	12	<10	† 33.3%
30340	32	32	<0.1%	<10	0	-
30341	32	32	<0.1%	0	0	-
30342	1414	1464	4.23%	88	70	↑ 25.7%
30344	1044	1078	3.11%	49	44	† 11.4%
30345	24	24	<0.1%	0	0	-

30349	2104	2165	6.25%	113	117	↓ 3.4%
30350	771	836	2.42%	69	37	↑ 86.5%
30354	498	517	1.49%	16	34	↓ 52.9%
30358	<10	<10	<0.1%	0	0	-
30363	84	89	0.26%	<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	697	713	2.06%	26	26	-

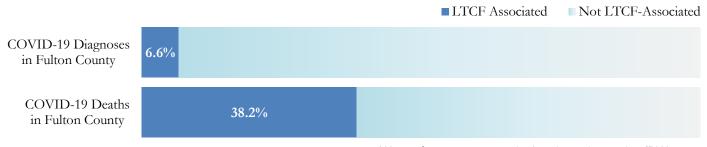
<u>New cases:</u> Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. <u>Percent change: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

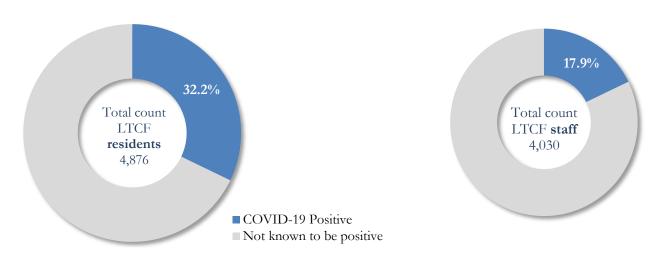
Fig. 27. COVID-19 Diagnoses and Deaths in Fulton County Associated with Long-Term Care Facilities



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	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	1568 (32.2%) ^a	318 (20.3%)b	244 (15.6%) ^b	720 (17.9%) ^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.