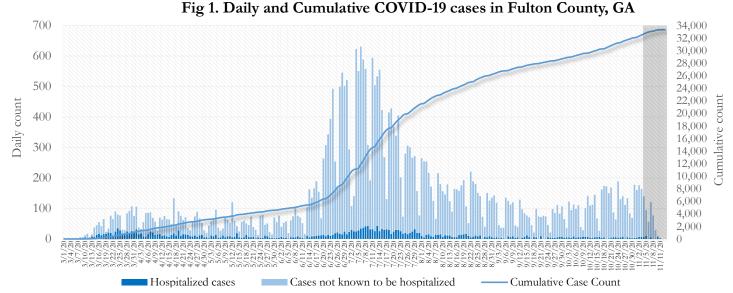


Fulton County Board of Health Epidemiology Report

COVID-19 Cases - 11/13/2020

SUMMARY

- As of November 13, 2020, Fulton County has recorded **33,340** cases of the **2019** novel coronavirus (COVID-19) and **648** confirmed COVID-19 deaths. 84 deaths are currently being reviewed by GA DPH to confirm cause of death.
- Of the **1,998** new cases between October 24 and November 6, the central portion of the county (Atlanta) accounted for 46% while the northern and southern parts accounted for 36% and 15% respectively.
- By city, new COVID-19 case rates range from 91.2 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 3033.2; Incidence –181.8]. 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, 6.4% required hospitalization and 1.4% died.
- Of all testing done in Fulton County between October 26 and November 8, the percent positivity rate was 5.0%.



*Counts shown reflect the number of confirmed cases as of 6:30 pm on 11/12/20 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: 46% of the new COVID-19 cases in the past 2 weeks occurred in Atlanta while 36% and 15% occurred in the Northern and Southern regions of the county respectively.

Eulton Dooion	% Cumulative	% New	
Fulton Region	count	cases*	
Atlanta	44.3%	45.5%	
North ¹	29.2%	36.3%	
South ²	20.2%	14.7%	
Unincorporated/Unknown	6.3%	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 10/24/20 – 11/6/20).

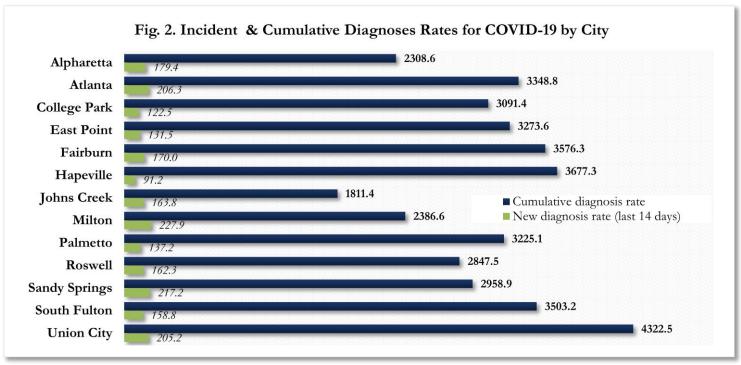
In the recent two week reporting period (10/24-11/6), there were more new cases of COVID-19 in Fulton County than the previous two weeks (10/10-10/23).

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

COVID-19 CASE COUNTS AND RATES BY CITY

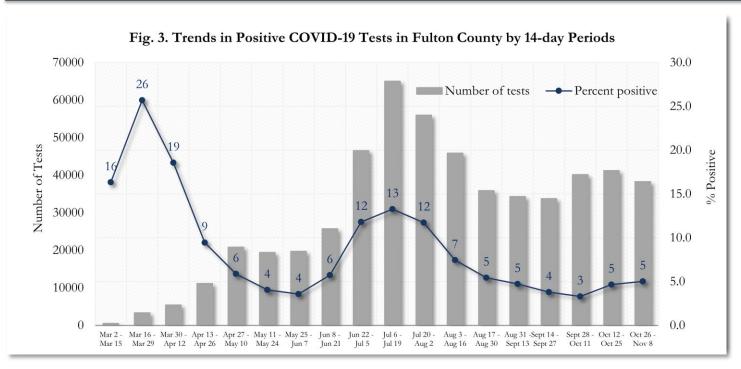
	Prior (11/10/20)	Current Total (11/13/20)			New Cases (Period: 10/10/20 – 11/6/20) ¹			
	Count	Count	%	Cum. Rate ²	Recent 14 d. (10/24– 11/6)	Prior 14 d. (10/10– 10/23)	% change ³	Rate ⁴ (Last 14 d).
Alpharetta	1469	1493	4.5%	2308.6	116	58	↑ 100.0%	179.4
Atlanta	14589	14774	44.3%	3348.8	910	692	↑ 31.5%	206.3
Chattahoochee Hills	1	1	0.0%	-	0	0	-	0.0
College Park	420	429	1.3%	3091.4	17	21	↓ 19.0%	122.5
East Point	1133	1145	3.4%	3273.6	46	45	↑ 2.2%	131.5
Fairburn	523	526	1.6%	3576.3	25	21	† 19.0%	170.0
Hapeville	238	242	0.7%	3677.3	<10	17	↓ 64.7%	91.2
Johns Creek	1479	1515	4.5%	1811.4	137	96	↑ 42.7%	163.8
Milton	892	911	2.7%	2386.6	87	27	↑ 222.2%	227.9
Mountain Park	10	10	0.0%	1600.0	<10	0	-	480.06
Palmetto	139	141	0.4%	3225.1	<10	<10	-	137.2
Roswell	2652	2684	8.1%	2847.5	153	132	† 15.9%	162.3
Sandy Springs	3076	3119	9.4%	2958.9	229	145	↑ 57.9%	217.2
South Fulton	3301	3332	10.0%	3503.2	151	173	↓ 12.7%	158.8
Union City	900	906	2.7%	4322.5	43	42	↑ 2.4%	205.2
Unknown	2518	2112	6.3%	-	68	65	-	

*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.*

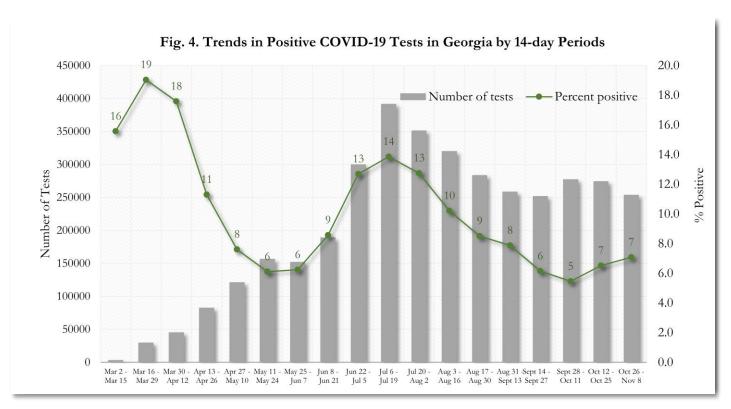


^{*}Rates shown are per 100,000 persons | **Note:** Mass testing in specific locations (e.g. long term care facilities) may cause sharp increases in the cumulative rate of COVID-19 diagnosis in those territories. All data shown are preliminary and are subject to change as testing results get updated.

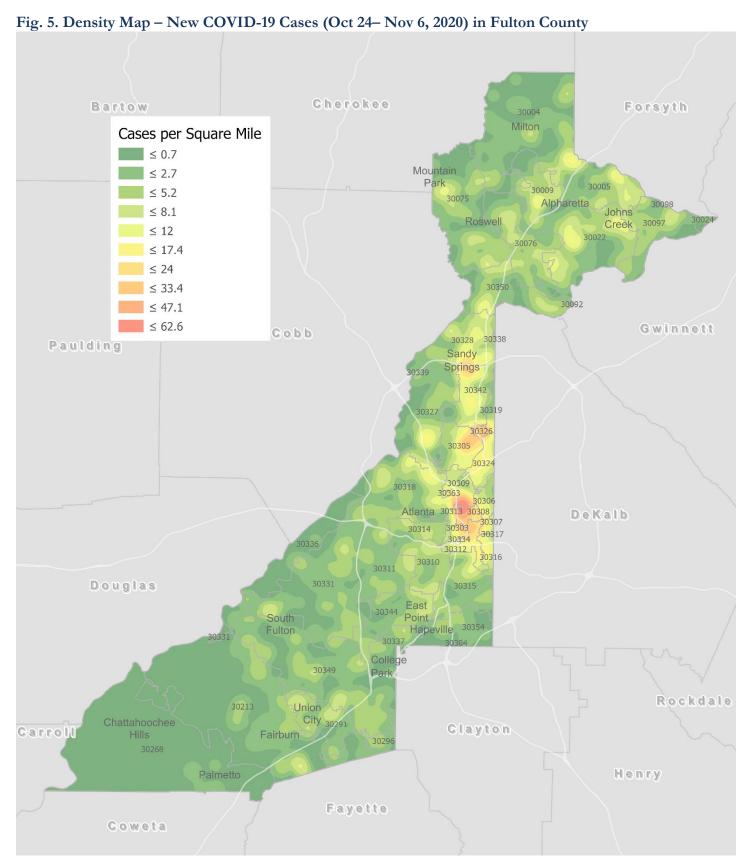
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY AND GEORGIA



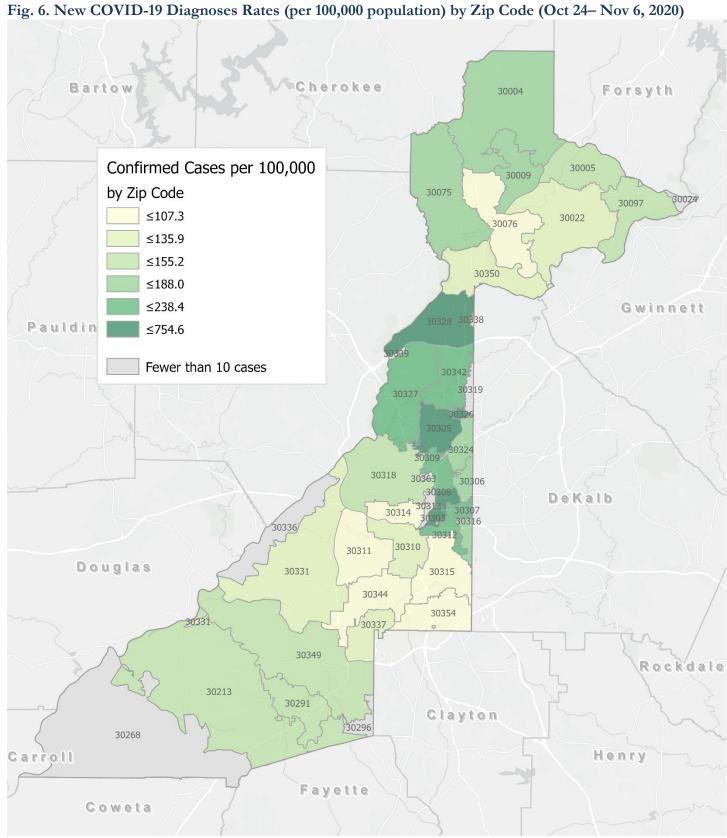
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



^{*}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 24^{th} and Nov 6^{th} , 2020 across Fulton County, excluding LTCF cases.



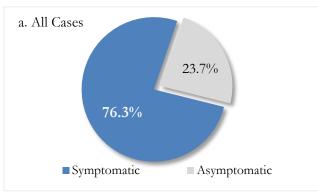
*Rates shown are per 100,000 populations.

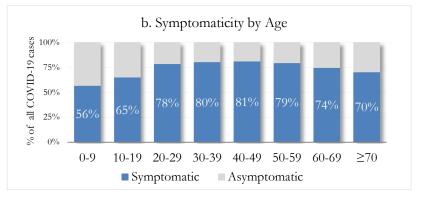
New COVID-19 cases: Cases diagnosed in most recent 14 days (based on reported dates of positive sample collection). To allow for lag in reporting results of positive cases from samples collected in the immediate past7 days, data used for incident diagnoses analyses are moved back by one week. Data used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

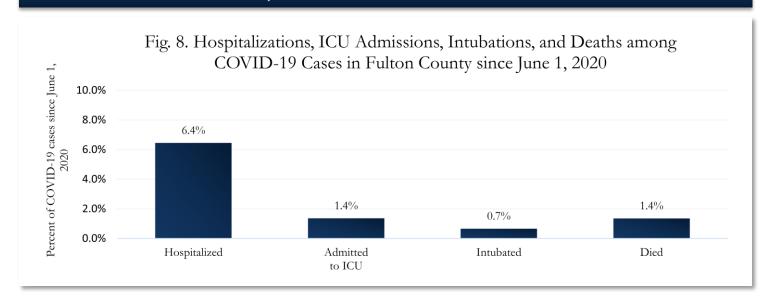
Fig. 7a & b. Total Proportion Reporting Symptoms in Fulton County





^{***}COVID-19 cases who have been case interviewed or had medical charts reviewed as of 11/12/20 only. n = 23,065***

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	9732	14774	6722	2112	33340
Gende	er: Female	5002 (51.4%)	7254 (49.1%)	3784 (56.3%)	1019 (48.2%)	17059 (51.2%)
	Male	4579 (47.1%)	7169 (48.5%)	2831 (42.1%)	1025 (48.5%)	15604 (46.8%)
	Unknown*	151 (1.6%)	351 (2.4%)	107 (1.6%)	68 (3.2%)	677 (2.0%)
Age:	0-9	329 (3.4%)	281 (1.9%)	219 (3.3%)	53 (2.5%)	882 (2.6%)
_	10-19	1414 (14.5%)	1103 (7.5%)	483 (7.2%)	141 (6.7%)	3141 (9.4%)
	20-29	2117 (21.8%)	4450 (30.1%)	1289 (19.2%)	561 (26.6%)	8417 (25.2%)
	30-39	1503 (15.4%)	3253 (22.0%)	1398 (20.8%)	453 (21.4%)	6607 (19.8%)
	40-49	1521 (15.6%)	1914 (13.0%)	1223 (18.2%)	319 (15.1%)	4977 (14.9%)
	50-59	1436 (14.8%)	1554 (10.5%)	929 (13.8%)	270 (12.8%)	4189 (12.6%)
	60-69	754 (7.7%)	1018 (6.9%)	620 (9.2%)	165 (7.8%)	2557 (7.7%)
	≥70	652 (6.7%)	1150 (7.8%)	556 (8.3%)	141 (6.7%)	2499 (7.5%)
	Unknown*	<10	51 (0.3%)	<10	<10	71 (0.2%)
Race:	Asian, NH	376 (3.9%)	263 (1.8%)	25 (0.4%)	36 (1.7%)	700 (2.1%)
	Black, NH	1106 (11.4%)	6511 (44.1%)	4795 (71.3%)	745 (35.3%)	13157 (39.5%)
	White, NH	4261 (43.8%)	3886 (26.3%)	318 (4.7%)	517 (24.5%)	8982 (26.9%)
	Hispanic	1827 (18.8%)	967 (6.5%)	568 (8.4%)	202 (9.6%)	3564 (10.7%)
	Other, NH	343 (3.5%)	542 (3.7%)	167 (2.5%)	78 (3.7%)	1130 (3.4%)
	Unknown*	1819 (18.7%)	2605 (17.6%)	849 (12.6%)	534 (25.3%)	5807 (17.4%)

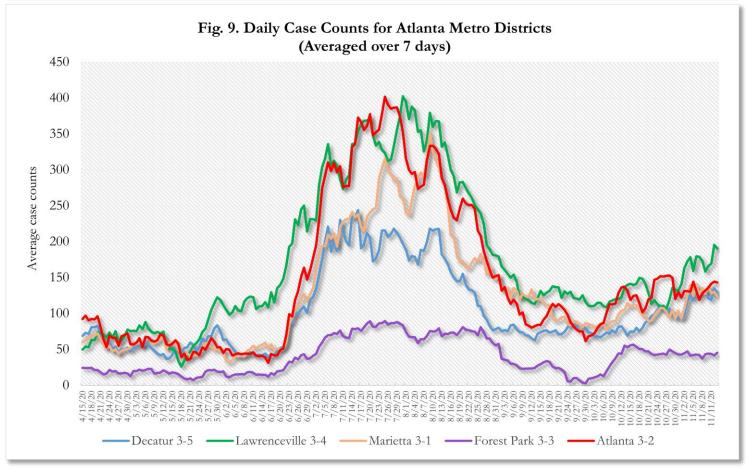
^{*}Unknown includes cases not yet interviewed.

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	144	316	167	21	648
Gende	er: Female	68 (47.2%)	143 (45.3%)	86 (51.5%)	10 (47.6%)	307 (47.4%)
	Male	76 (52.8%)	173 (54.7%)	81 (48.5%)	11 (52.4%)	341 (52.6%)
	Unknown	0	0	0	0	0
Age:	≤ 29	<10	<10	<10	0	<10
	30-39	<10	<10	<10	<10	13 (2.0%)
	40-49	<10	<10	10 (6.0%)	<10	26 (4.0%)
	50-59	<10	27 (8.5%)	18 (10.8%)	<10	55 (8.5%)
	60-69	17 (11.8%)	61 (19.3%)	38 (22.8%)	<10	117 (18.1%)
	≥70	113 (78.5%)	208 (65.8%)	97 (58.1%)	14 (66.7%)	432 (66.7%)
	Unknown	0	0	0	0	0
Race:	Asian, NH	<10	<10	<10	0	10 (1.5%)
	Black, NH	26 (18.1%)	263 (83.2%)	138 (82.6%)	<10	436 (67.3%)
	White, NH	99 (68.8%)	42 (13.3%)	20 (12.0%)	11 (52.4%)	172 (26.5%)
	Hispanic	15 (10.4%)	<10	<10	<10	27 (4.2%)
	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

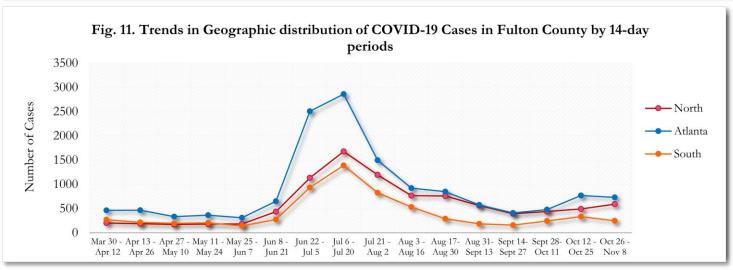


^{*}Graph shows the average number of cases calculated from the daily cumulative case counts in the metro Atlanta districts. Increases in daily cumulative case counts may include cases diagnosed earlier during the pandemic but were only recently reported to the state as cases diagnosed belonging to these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

Hall Forsyth Bartow Cherokee Jackson Pok Barrow Gwinnett Paulding Oceniee, 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

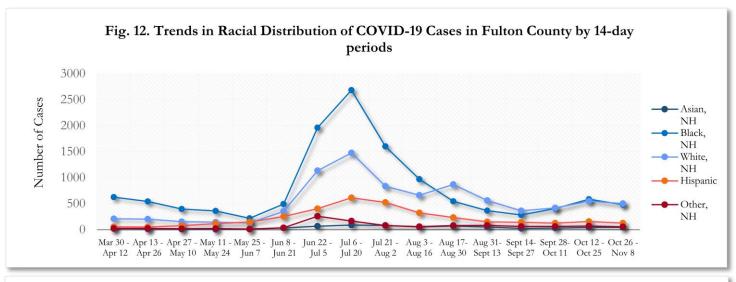
Fig. 10. COVID-19 Cases in Fulton County and Surrounding Districts (Oct 24 - Nov 6, 2020)

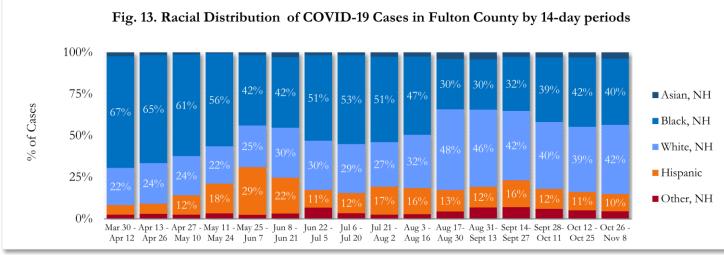
TRENDS IN COVID-19 CASES AMONG DEMOGRAPHIC GROUPS (14 DAY PERIODS)



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

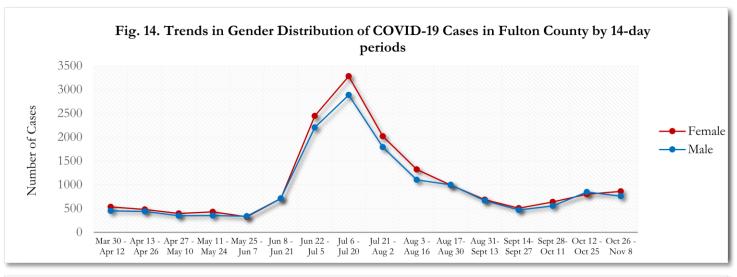
^{*}South - Includes all Fulton cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, and Union City)

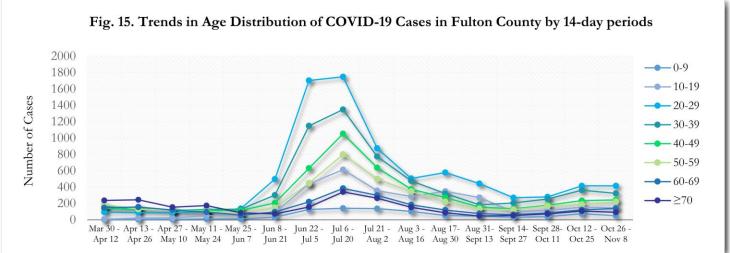




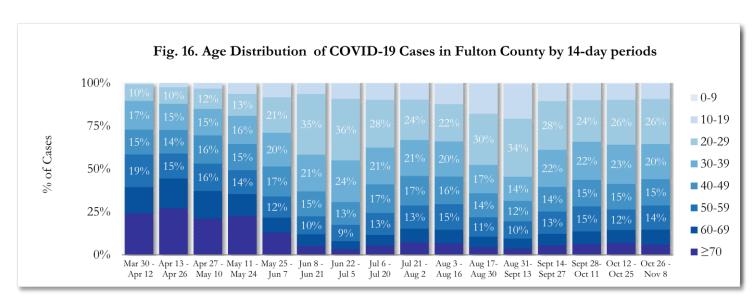
About 18% of COVID cases are missing data on patient race and ethnicity. The majority of new cases in the past two weeks were White, NH (42%) and Black, NH (40%).

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

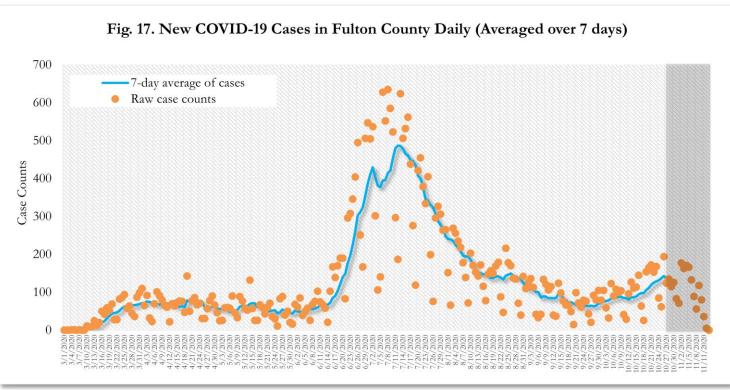




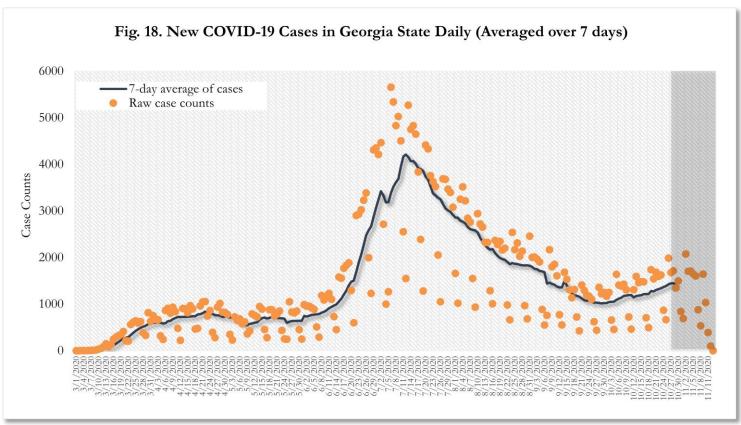
Earlier (March-May 2020) large proportions of reported cases were among persons aged 60 and older. In the most recent two weeks, 20-29 year olds accounted for the highest number of new cases among all age groups, followed by 30-39 year olds.



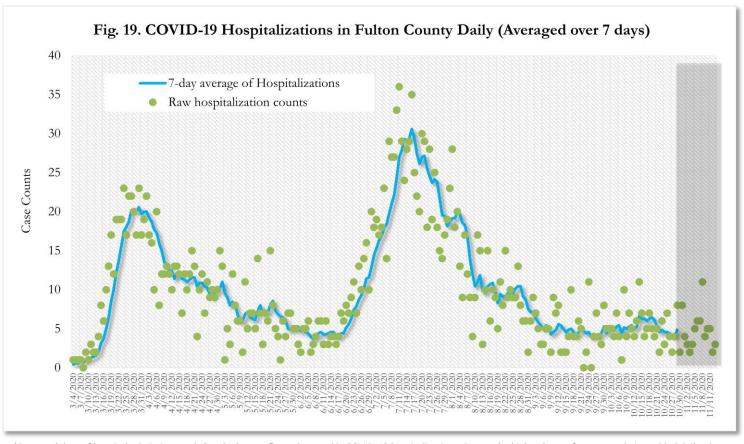
TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)



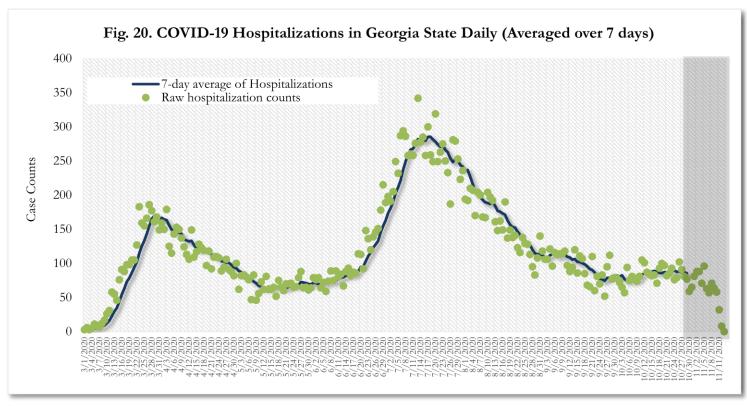
^{*}Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject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



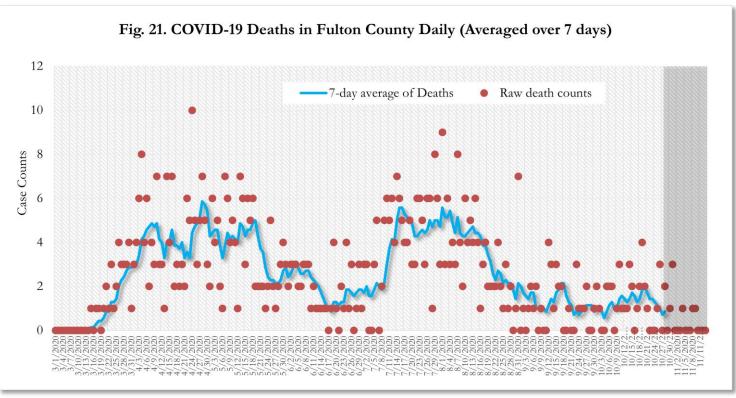
^{*}Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject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



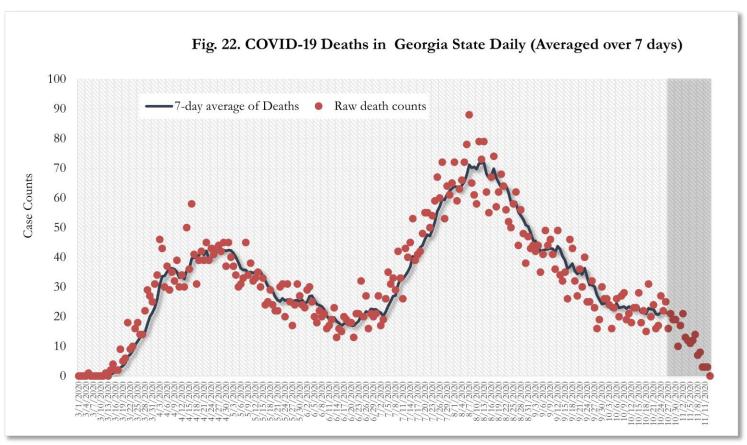
^{*}Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the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

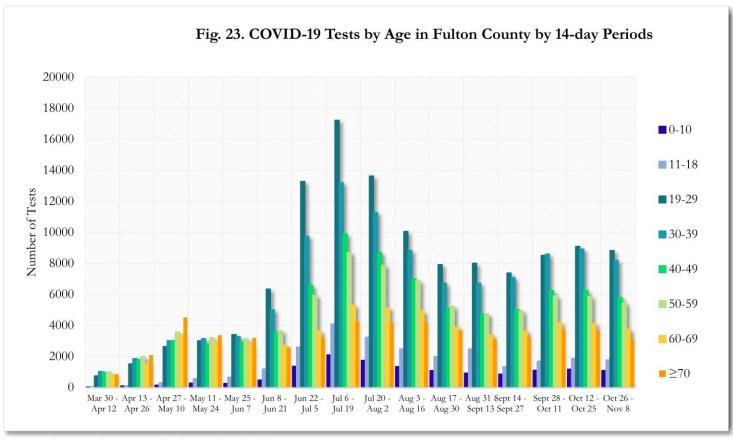


^{*} Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

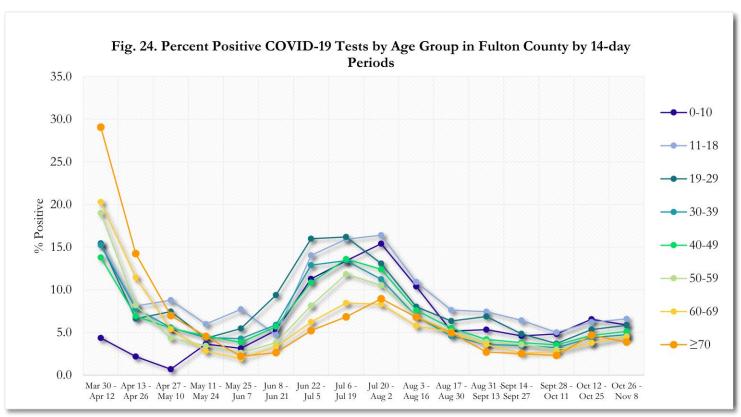


^{*}Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

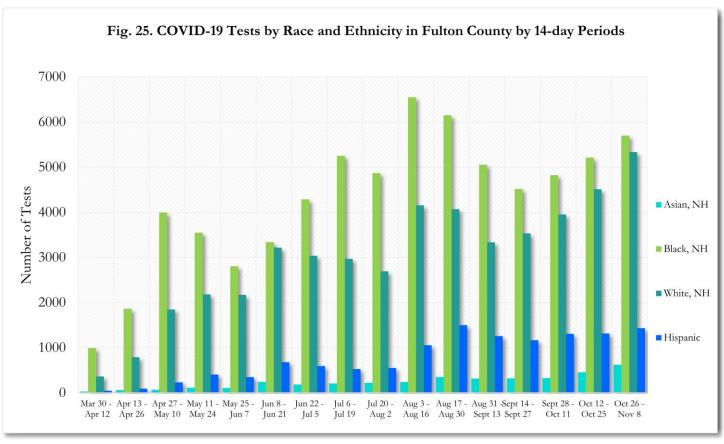
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY BY AGE AND RACE



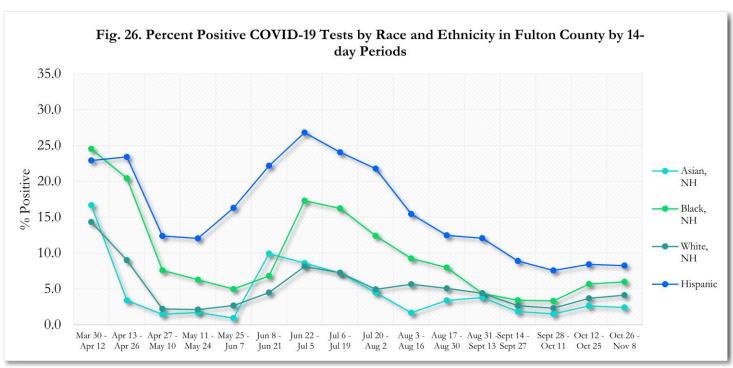
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



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







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

COVID-19 CASE COUNTS BY ZIP CODE

	Prior (11/10/20)	Current Tot	al (11/13/20)	New Cases	(Period: 10/10/20 -	- 11/6/20) ¹
	Count	Count	9/0	Recent 14 d. (Oct 24– Nov 6)	Prior 14 d. (Oct 10 – Oct 23)	% change ²
All Fulton	32912	33340	100%	1998	1541	↑ 29.7%
30004	1126	1150	3.45%	105	36	191.7%
30005	644	648	1.94%	60	29	↑ 106.9%
30009	549	558	1.67%	40	15	↑ 166.7%
30022	1456	1494	1.00%	108	85	↑ 27.1%
30023	<10	<10	<0.1%	0	0	-
30024	18	18	<0.1%	<10	<10	-
30075	1294	1305	3.91%	90	53	↑ 69.8%
30076	1281	1300	3.90%	59	76	↓ 22.4%
30080	<10	<10	<0.1%	<10	0	-
30097	339	352	1.06%	46	21	↑ 119.0%
30098	-	-	-	0	0	
30135	<10	<10	<0.1%	0	0	-
30138	<10	<10	<0.1%	0	0	-
30139	-	-	-	0	0	-
30213	1267	1274	3.82%	65	54	↑ 20.4%
30268	212	214	0.64%	<10	<10	-
30291	890	898	2.69%	35	51	↓ 31.4%
30296	72	72	0.22%	<10	12	↓ 41.7%
30301	11	12	<0.1%	<10	<10	-
30303	429	431	1.29%	24	32	↓ 25.0%
30305	978	995	2.98%	91	50	↑ 82.0%
30306	409	419	1.26%	26	18	↑ 44.4%
30307	227	228	0.68%	16	11	↑ 45.5%
30308	714	721	2.16%	70	44	↑ 59.1%
30309	1024	1035	3.10%	74	75	↓ 1.3%
30310	859	870	2.61%	48	31	↑ 54.8%
30311	896	905	2.71%	39	36	↑ 8.3%
30312	944	955	2.86%	62	35	↑ 77.1%
30313	332	335	1.00%	10	<10	150.0%
30314	635	634	1.90%	20	21	↓ 4.8%
30315	1006	1033	3.10%	59	47	† 25.5%
30316	438	440	1.32%	26	14	↑ 85.7%
30318	2022	2038	6.11%	104	85	† 22.4%
30319	177	182	0.55%	12	12	-
30321	12	12	<0.1%	<10	<10	-
30324	1058	1067	3.20%	51	46	† 10.9%
30326	315	323	0.97%	41	20	↑ 105.0%
30327	726	746	2.24%	69	49	↑ 40.8%
30328	1033	1054	3.16%	93	62	↑ 50.0%
30331	1975	1989	5.97%	78	67	↑ 16.4%
30334	13	13	<0.1%	0	<10	↓ 100.0%
30336	92	94	0.28%	<10	<10	-
30337	400	407	1.22%	19	19	-
30338	97	101	0.30%	<10	<10	-
30339	259	262	0.79%	<10	<10	-
30340	33	32	<0.1%	<10	0	-
30341	31	32	<0.1%	0	0	-
30342	1403	1414	4.24%	85	57	† 49.1%
30344	1034	1044	3.13%	40	35	† 14.3%
30345	24	24	<0.1%	0	0	-

30349	2079	2104	6.31%	94	112	↓ 16.1%
30350	763	771	2.31%	46	36	↑ 27.8%
30354	492	498	1.49%	17	28	↓ 39.3%
30358	<10	<10	<0.1%	0	0	-
30363	82	84	0.25%	<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	1114	697	2.09%	25	25	-

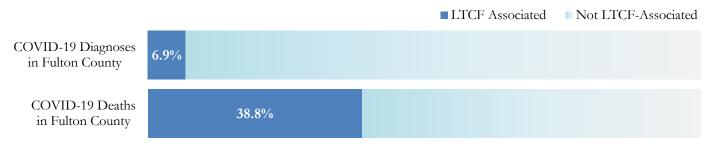
<u>New cases:</u> Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. <u>Percent change: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

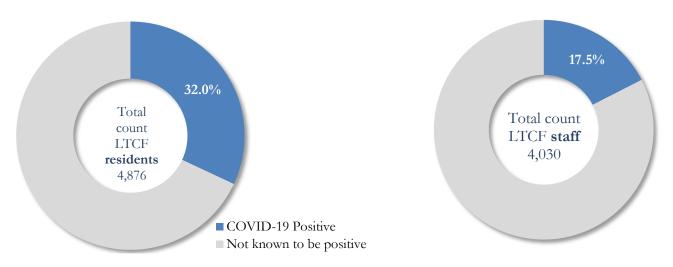
Fig. 27. COVID-19 Diagnoses and Deaths in Fulton County Associated with Long-Term Care Facilities



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	1560 (32.0%)a	318 (20.4%)b	244 (15.6%) ^b	707 (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.