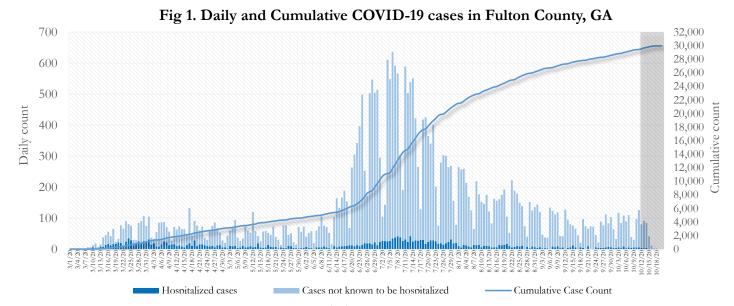


# Fulton County Board of Health Epidemiology Report

COVID-19 Cases – 10/20/2020

#### **SUMMARY**

- As of October 20, 2020, Fulton County has recorded **29,997 cases of the 2019 novel coronavirus** (COVID-19) and **608 confirmed COVID-19 deaths.** 82 deaths are currently being reviewed by GA DPH to confirm cause of death.
- Of **1,270** new diagnoses made between September 29 and October 13, the central portion of the county (Atlanta metro) accounted for 40% while the northern and southern parts accounted for 35% and 21% respectively.
- By city, new COVID-19 case rates range from 64.9 per 100,000 persons (College Park) to 224.2 per 100,000 persons (Union City). [Fulton County Diagnoses Rates (per 100,000 persons): Cumulative 2727.2; Incidence –115.5]. 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, 6.2% required hospitalization and 1.3% died.
- Of all testing done in Fulton County between September 28 and October 11, the percent positivity rate was 3.5%.



\*Counts shown reflect the number of confirmed cases as of 6:30 am on 10/20/20 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: 40% of the new COVID-19 cases in the past 2 weeks occurred in Atlanta while 35% and 21% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative	% New	
Tulton Region	count	cases*	
Atlanta	44.1%	40.0%	
North <sup>1</sup>	28.6%	35.0%	
South <sup>2</sup>	20.5%	21.4%	
Unincorporated/Unknown	6.8%	3.5%	

<sup>1</sup>Includes all Fulton County cities north of Atlanta metro (Alpharetta, Milton, Johns Creek, Roswell, Sandy Springs, Mountain Park)  $|^2$ 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 9/29/20 – 10/13/20).

In the past two weeks (9/29-10/13), there were more new cases of COVID-19 in Fulton County than the previous two weeks (9/15-9/28).

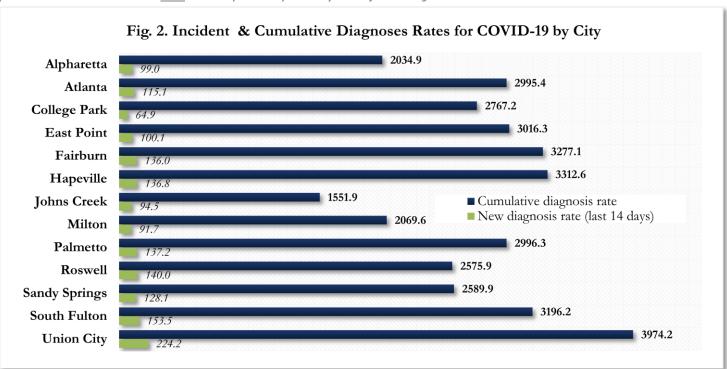


\*Delayed a week to account for testing results turnaround time.

#### COVID-19 CASE COUNTS AND RATES BY CITY

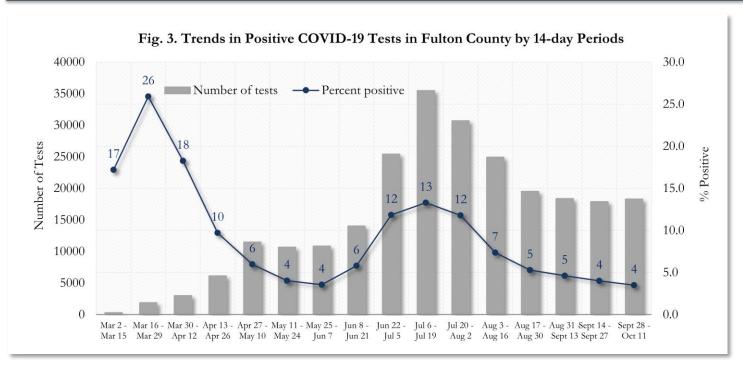
	Prior (10/16/20)	Current Total (10/20/20)			New Cases (Period: 9/15/20 – 10/13/20) <sup>1</sup>				
	Count	Count	%	Cum. Rate <sup>2</sup>		1 <sup>st</sup> 14 d. (9/15– 9/28)	Last 14 d. (9/29– 10/13)	% change <sup>3</sup>	<b>Rate</b> <sup>4</sup> ( <i>Last 14</i> d).
Alpharetta	1289	1316	4.4%	2034.9		48	64	↑ 33.3%	99.0
Atlanta	12955	13215	44.1%	2995.4		375	508	↑ 35.5%	115.1
Chattahoochee Hills	1	1	0.0%	-		0	0	-	0.0
College Park	374	384	1.3%	2767.2		<10	<10	-	64.9
East Point	1037	1055	3.5%	3016.3		21	35	↑ 66.7%	100.1
Fairburn	471	482	1.6%	3277.1		11	20	↑ 81.8%	136.0
Hapeville	213	218	0.7%	3312.6		<10	<10	↑ 80.0%	136.8
Johns Creek	1269	1298	4.3%	1551.9		54	79	↑ 46.3%	94.5
Milton	775	790	2.6%	2069.6		38	35	↓ 7.9%	91.7
Mountain Park	6	6	0.0%	960.0		0	0	-	-
Palmetto	127	131	0.4%	2996.3		<10	<10	↓ 33.3%	137.2
Roswell	2382	2428	8.1%	2575.9		107	132	↑ 23.4%	140.0
Sandy Springs	2695	2730	9.1%	2589.9		116	135	<b>†</b> 16.4%	128.1
South Fulton	2976	3040	10.1%	3196.2		86	146	↑ 69.8%	153.5
Union City	817	833	2.8%	3974.2		16	47	† 193.8%	224.2
Unknown	2590	2050	6.8%	-		25	43	-	

\*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.

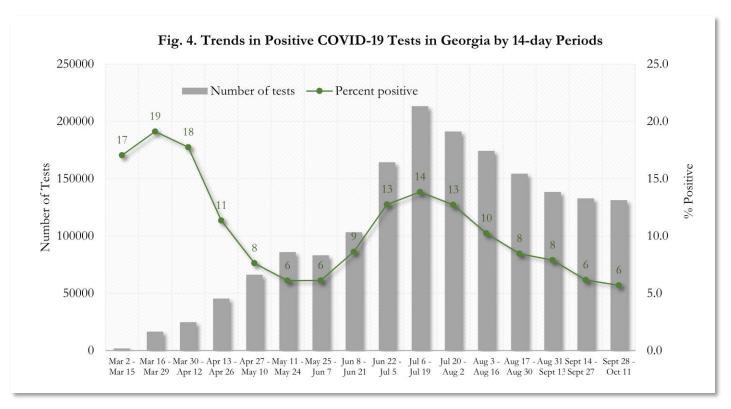


<sup>\*</sup>Rates shown are per 100,000 persons | **Note:** Mass testing in specific locations (e.g. long term care facilities) may cause sharp increases in the cumulative rate of COVID-19 diagnosis in those territories. All data shown are preliminary and are subject to change as testing results get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

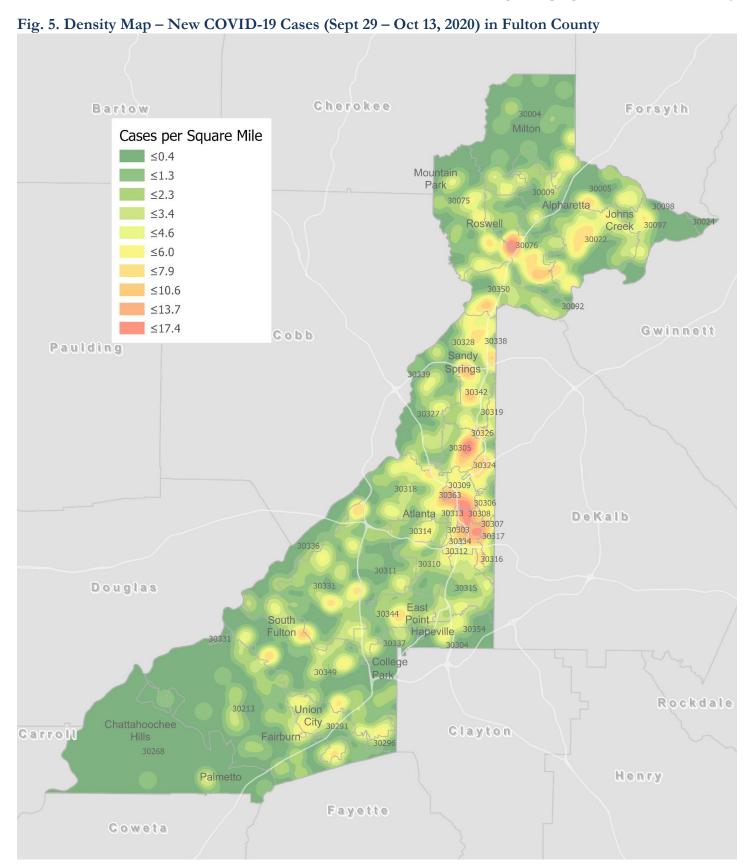
# COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY AND GEORGIA



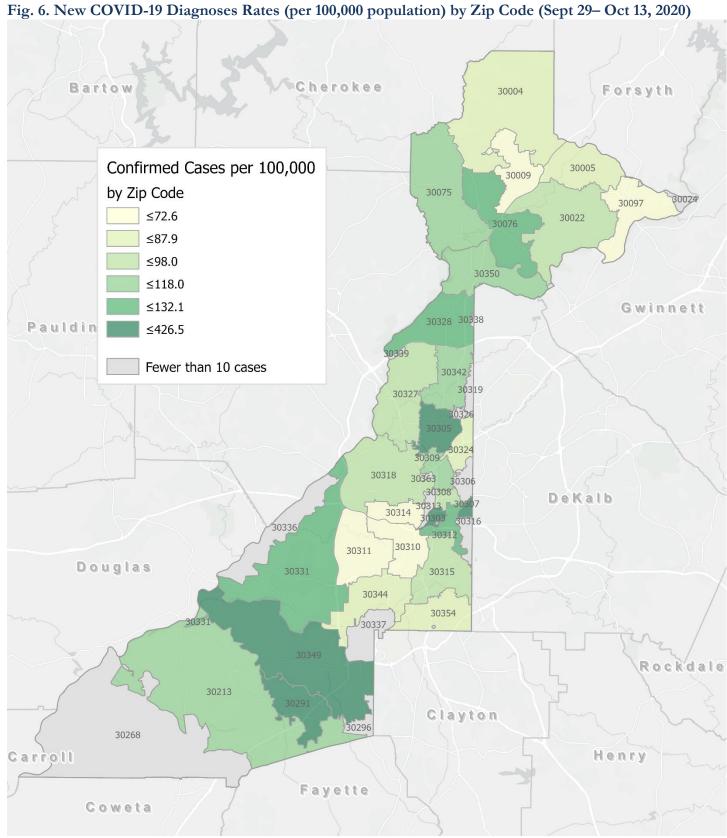
\*Data on Polymerase Chain Reaction (PCR) tests only included.



<sup>\*</sup>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 Sept 29<sup>th</sup> and Oct 13<sup>th</sup>, 2020 across Fulton County, excluding LTCF cases.



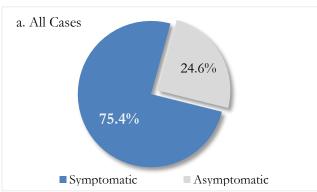
\*Rates shown are per 100,000 populations.

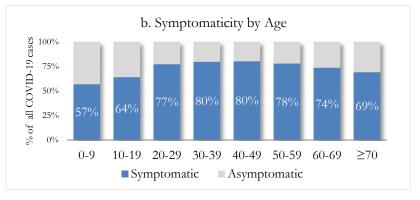
New COVID-19 cases: Cases diagnosed in most recent 14 days (based on reported dates of positive sample collection). To allow for lag in reporting results of positive cases from samples collected in the immediate past7 days, data used for incident diagnoses analyses are moved back by one week. Data used 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) <a href="https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html">https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html</a>

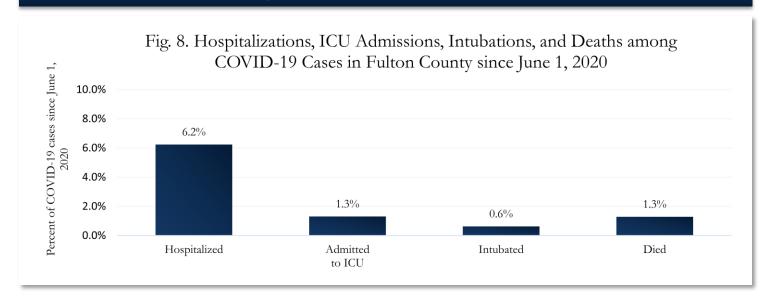
Fig. 7a & b. Total Proportion Reporting Symptoms in Fulton County





<sup>\*\*\*</sup>COVID-19 cases who have been case interviewed or had medical charts reviewed as of 10/20/20 only. n=19,787\*\*\*

#### 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 <sup>1</sup>	Atlanta	South Fulton Cities <sup>2</sup>	Unknown City	All Fulton
	Count (%)	Count (%)	Count (%)	Count (%)	Count (%)
Total COVID-19 cases	8568	13215	6144	2050	29977
Gender: Female	4372 (51.0%)	6445 (48.8%)	3423 (55.7%)	991 (48.3%)	15231 (50.8%)
Male	4029 (47.0%)	6309 (47.7%)	2575 (41.9%)	988 (48.2%)	13901 (46.4%)
Unknown*	167 (1.9%)	461 (3.5%)	146 (2.4%)	71 (3.5%)	845 (2.8%)
<b>Age:</b> 0-9	285 (3.3%)	243 (1.8%)	195 (3.2%)	49 (2.4%)	772 (2.6%)
10-19	1259 (14.7%)	1007 (7.6%)	426 (6.9%)	139 (6.8%)	2831 (9.4%)
20-29	1886 (22.0%)	3969 (30.0%)	1193 (19.4%)	538 (26.2%)	7586 (25.3%)
30-39	1329 (15.5%)	2863 (21.7%)	1278 (20.8%)	455 (22.2%)	5925 (19.8%)
40-49	1330 (15.5%)	1692 (12.8%)	1131 (18.4%)	322 (15.7%)	4475 (14.9%)
50-59	1247 (14.6%)	1392 (10.5%)	833 (13.6%)	250 (12.2%)	3722 (12.4%)
60-69	640 (7.5%)	931 (7.0%)	554 (9.0%)	160 (7.8%)	2285 (7.6%)
≥70	586 (6.8%)	1069 (8.1%)	531 (8.6%)	130 (6.3%)	2316 (7.7%)
Unknown*	<10	49 (0.4%)	<10	<10	65 (0.2%)
Race: Asian, NH	308 (3.6%)	228 (1.7%)	23 (0.4%)	29 (1.4%)	588 (2.0%)
Black, NH	923 (10.8%)	5790 (43.8%)	4226 (68.8%)	693 (33.8%)	11632 (38.8%)
White, NH	3471 (40.5%)	3135 (23.7%)	283 (4.6%)	479 (23.4%)	7368 (24.6%)
Hispanic	1661 (19.4%)	854 (6.5%)	515 (8.4%)	203 (9.9%)	3233 (10.8%)
Other, NH	338 (3.9%)	493 (3.7%)	158 (2.6%)	80 (3.9%)	1069 (3.6%)
Unknown*	1867 (21.8%)	2715 (20.5%)	939 (15.3%)	566 (27.6%)	6087 (20.3%)

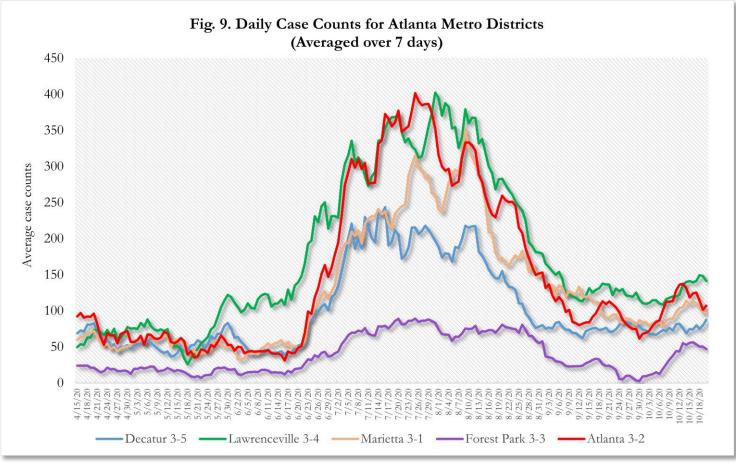
<sup>\*</sup>Unknown includes cases not yet interviewed.

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

		North Fulton Cities <sup>1</sup> Count (%)	Atlanta Count (%)	South Fulton Cities <sup>2</sup> Count (%)	Unknown City Count (%)	All Fulton Count (%)
Total	COVID-19 deaths	132	294	164	18	608
Gende	er: Female	59 (44.7%)	132 (44.9%)	85 (51.8%)	<10	285 (46.9%)
	Male	73 (55.3%)	162 (55.1%)	79 (48.2%)	<10	323 (53.1%)
	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 (6.1%)	<10	26 (4.3%)
	50-59	<10	24 (8.2%)	18 (11.0%)	<10	50 (8.2%)
	60-69	16 (12.1%)	56 (19.0%)	36 (22.0%)	<10	109 (17.9%)
	≥70	103 (78.0%)	193 (65.6%)	96 (58.5%)	12 (66.7%)	404 (66.4%)
	Unknown	0	<10	0	0	<10
Race:	Asian, NH	<10	<10	<10	0	10 (1.6%)
	Black, NH	22 (16.7%)	250 (85.0%)	135 (82.3%)	<10	415 (68.3%)
	White, NH	92 (69.7%)	34 (11.6%)	20 (12.2%)	<10	155 (25.5%)
	Hispanic	13 (9.8%)	<10	<10	<10	24 (3.9%)
	Other, NH	0	<10	<10	0	<10
	Unknown	<10	<10	0	0	<10

<sup>1</sup>Includes all Fulton County cities north of Atlanta metro (Alpharetta, Milton, Johns Creek, Roswell, Sandy Springs, Mountain Park) <sup>2</sup>Includes 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

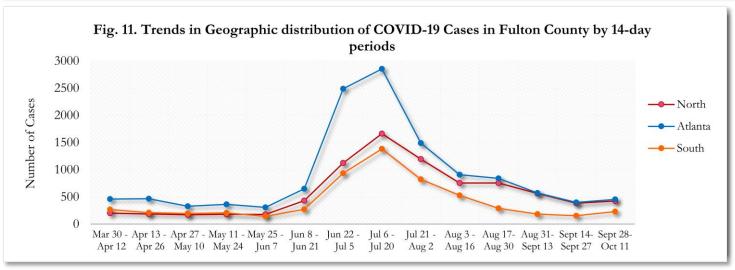


<sup>\*</sup>Graph shows the average number of cases calculated from the daily cumulative case counts in the metro Atlanta districts. Increases in daily cumulative case counts may include cases diagnosed earlier during the pandemic but were only recently reported to the state as cases diagnosed belonging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

Hall Forsyth Bartow Cherokee Jackson ₩ K Barrow Paulding Gwinnett Oconec anville Walton Fulton DeKalb Douglas Rockdale Morgan Clayton Newton Carroll Henry Favette **Health Districts** Cases per Square Mile ≤0.5 ≤1.7 Jasper ≤2.9 Spalding 3-4 ≤4.2 3-1 ≤5.6 3-5 ≤7.3 ≤9.8 ≤13.9 Troup ≤21.5 Jones Pike Ionroe ≤32.5 Upsan

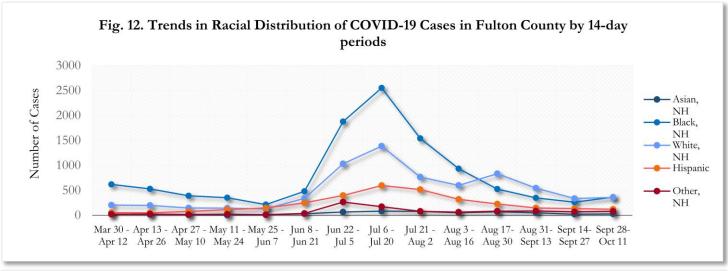
Fig. 10. COVID-19 Cases in Fulton County and Surrounding Districts (Sept 29 – Oct 13, 2020)

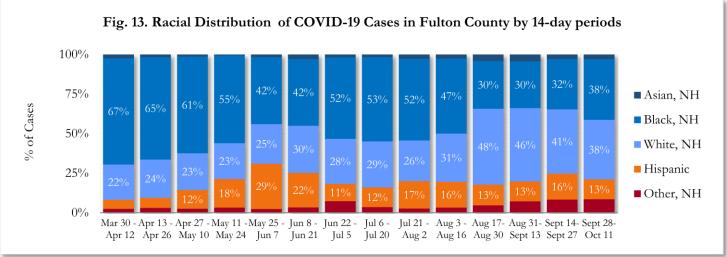
# TRENDS IN COVID-19 CASES AMONG DEMOGRAPHIC GROUPS (14 DAY PERIODS)



In the past two weeks, the city of Atlanta and the Northern region have accounted for almost equal amounts of new cases.

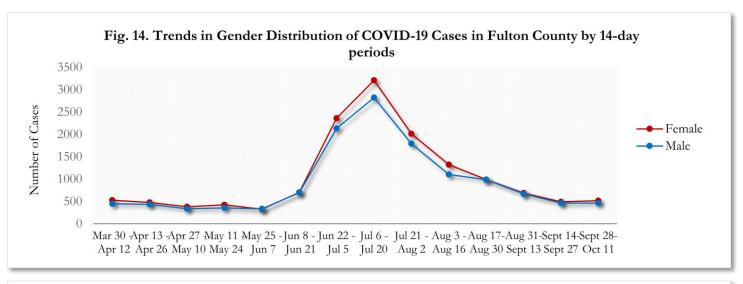
<sup>\*</sup>South - Includes all Fulton cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, and Union City)

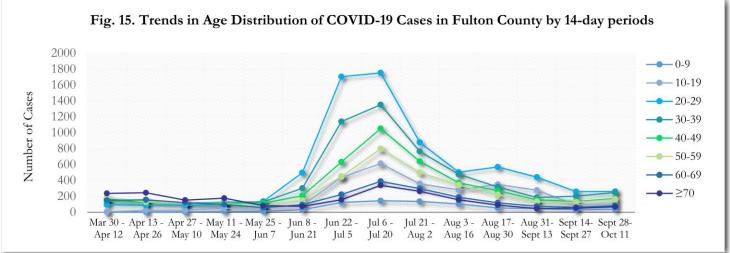




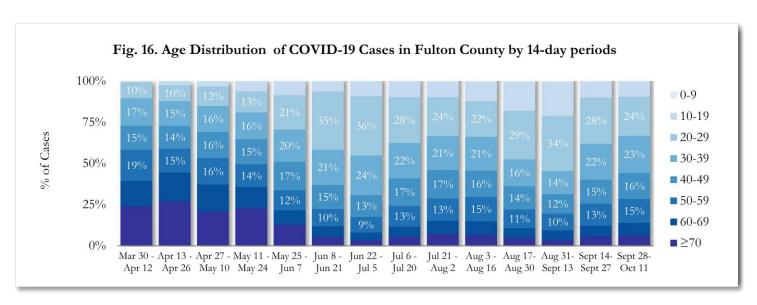
About 21% of COVID cases are missing data on patient race and ethnicity. The majority of new cases in the past two weeks were Black, NH (38%) and White, NH (38%).

<sup>\*</sup>North -Includes all Fulton cities north of Atlanta (Alpharetta, Milton, Johns Creek, Roswell, Sandy Springs, Mountain Park)

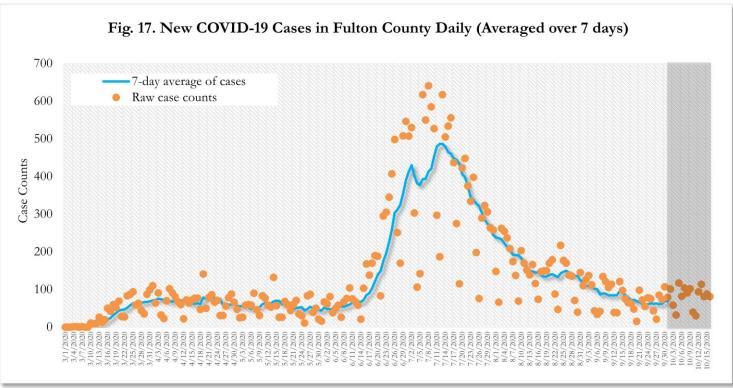




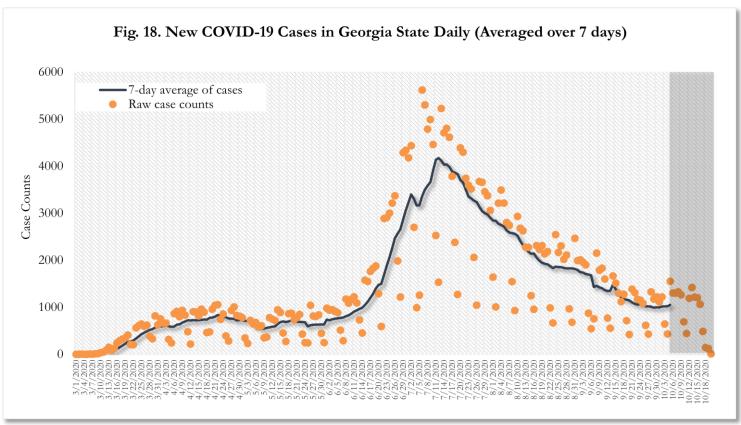
Earlier (March-May 2020) large proportions of reported cases were among persons aged 60 and older. In the most recent two weeks, 20-29 year olds accounted for the highest number of new cases among all age group, followed by 30-39 year olds.



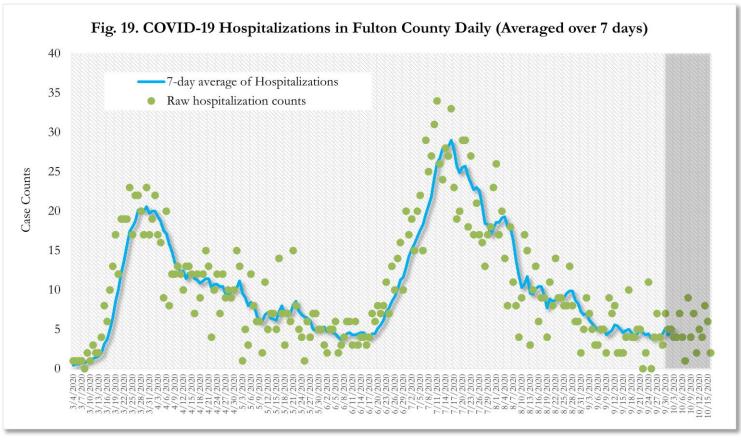
# TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)



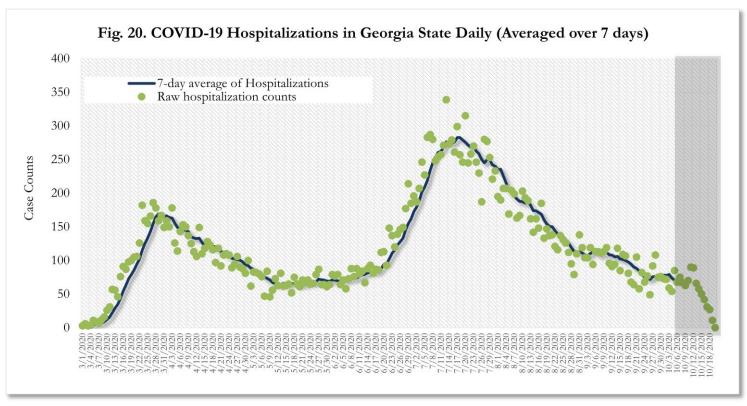
<sup>\*</sup>Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend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



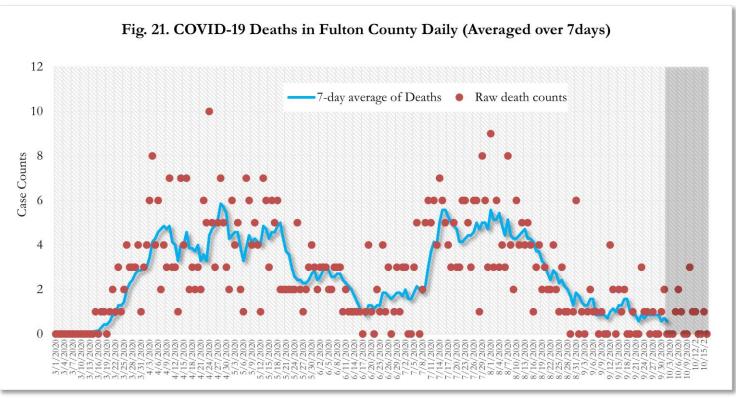
<sup>\*</sup>Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend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



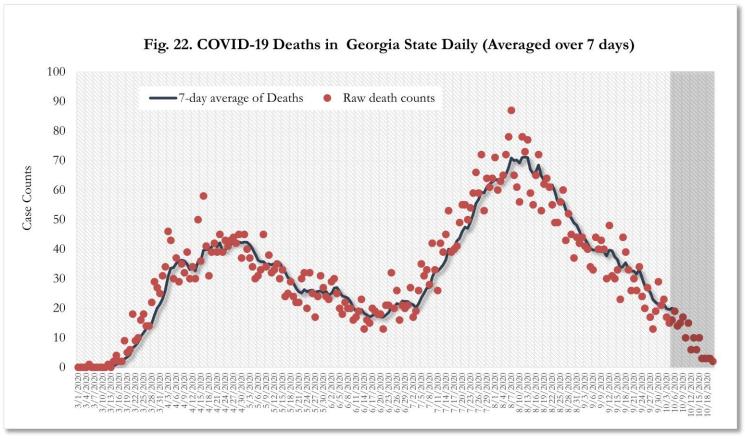
<sup>\*</sup>Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported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



<sup>\*</sup>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.

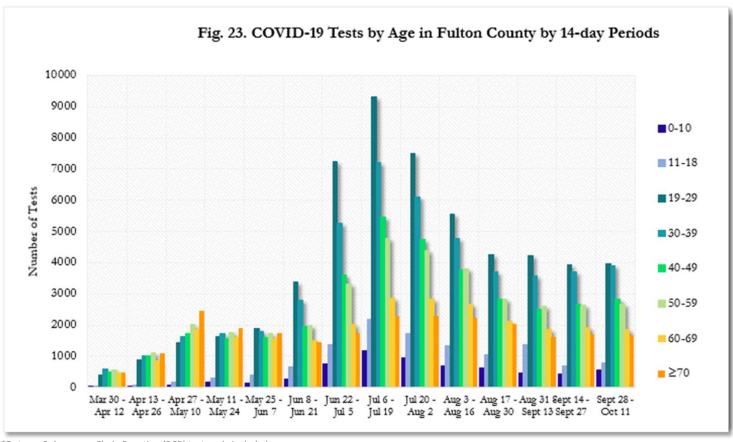


<sup>\*</sup> Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

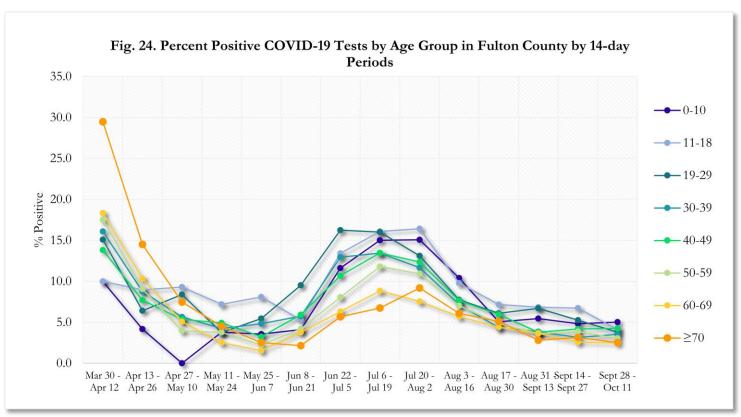


<sup>\*</sup>Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

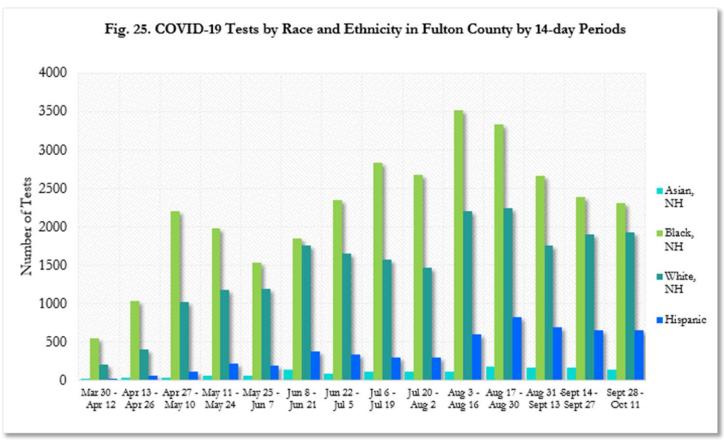
# COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY BY AGE AND RACE



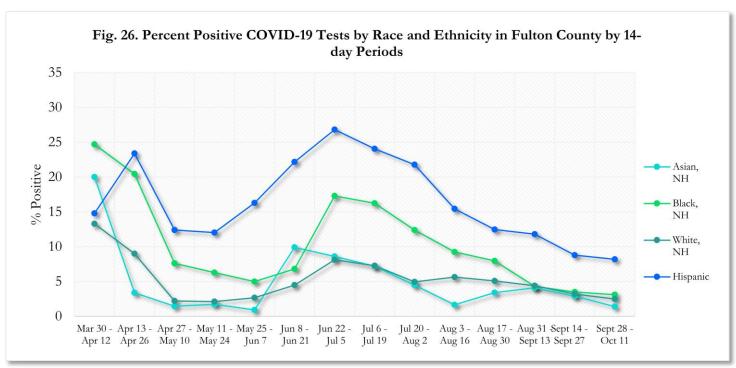
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.

# COVID-19 CASE COUNTS BY ZIP CODE

	Prior (10/16/20)	Current Tota	al (10/20/20)		(Period: 9/15/20 –	10/13/20)1
	Count	Count	%	<b>1st 14 days</b> (Sept 15– Sept 28)	<b>Last 14 d.</b> (Sept 29– Oct 13)	% change <sup>2</sup>
All Fulton	29423	29977	100%	921	1270	↑ 37.9%
30004	976	1002	3.34%	42	54	↑ 28.6%
30005	554	565	1.88%	25	28	↑ 12.0%
30009	489	494	1.65%	24	15	↓ 37.5%
30022	1285	1314	1.07%	53	82	↑ 54.7%
30023	<10	<10	<0.1%	0	0	-
30024	12	13	<0.1%	<10	0	↓ 100.0%
30075	1148	1168	3.90%	42	55	↑ 31.0%
30076	1166	1193	3.98%	61	72	↑ 18.0%
30080	<10	<10	<0.1%	0	0	-
30097	281	289	0.96%	<10	16	↑ 77.8%
30098	-	-	_	0	0	-
30135	<10	<10	<0.1%	0	0	-
30138	<10	<10	<0.1%	0	0	-
30139	-	-	-	0	0	-
30213	1140	1163	3.88%	38	53	<b>†</b> 39.5%
30268	199	205	0.68%	10	11	† 10.0%
30291	808	826	2.76%	17	41	† 141.2%
30296	53	56	0.19%	<10	<10	· -
30301	11	11	<0.1%	0	0	-
30303	374	397	1.32%	<10	29	† 480.0%
30305	839	852	2.84%	17	43	↑ 152.9%
30306	357	364	1.21%	<10	10	† 25.0%
30307	204	207	0.69%	<10	11	↑ 120.0%
30308	598	611	2.04%	26	21	↓ 19.2%
30309	864	891	2.97%	37	38	↑ 2.7%
30310	764	792	2.64%	20	22	↑ 10.0%
30311	817	831	2.77%	14	21	↑ 50.0%
30312	837	852	2.84%	21	36	↑ 71. <b>4</b> %
30313	318	320	1.07%	13	<10	↓ 53.8%
30314	588	594	1.98%	15	14	↓ 6.7%
30315	911	927	3.09%	22	32	↑ 45.5%
30316	393	398	1.33%	11	<10	↓ 36.4%
30318	1815	1851	6.17%	46	65	† 41.3%
30319	156	161	0.54%	<10	14	† 133.3%
30321	10	10	<0.1%	0	0	-
30324	960	977	3.26%	32	29	↓ 9.4%
30326	250	258	0.86%	20	<10	↓ 60.0%
30327	605	625	2.08%	16	33	↑ 106.3%
30328	876	890	2.97%	42	49	↑ 16.7%
30331	1841	1859	6.20%	46	87	↑ 89.1%
30334	12	12	<0.1%	0	0	-
30336	86	87	0.29%	<10	0	↓ 100.0%
30337	354	363	1.21%	10	<10	↓ 10.0%
30338	108	102	0.34%	<10	0	↓ 100.0%
30339	261	261	0.87%	0	<10	-
30340	33	33	0.11%	0	<10	-
30341	30	30	0.10%	0	0	-
30342	1262	1277	4.26%	40	46	↑ 15.0%
30344	950	966	3.22%	18	31	↑ 72.2%
30345	27	27	<0.1%	0	0	-

30349	1888	1924	6.42%	39	90	↑ 130.8%
30350	672	682	2.28%	39	40	↑ 2.6%
30354	442	452	1.51%	<10	15	↑ 87 <b>.</b> 5%
30358	<10	<10	<0.1%	0	0	-
30363	71	74	0.25%	<10	<10	-
30374	31	31	0.10%	0	0	-
30606	<10	<10	<0.1%	0	0	-
31131	<10	<10	<0.1%	0	0	-
31150	<10	<10	<0.1%	0	0	-
Unknown	1228	667	2.23%	13	23	-

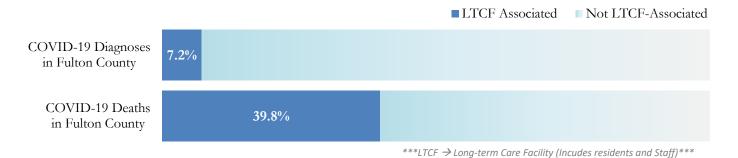
<u>New cases:</u> Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. <u>Percent change: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

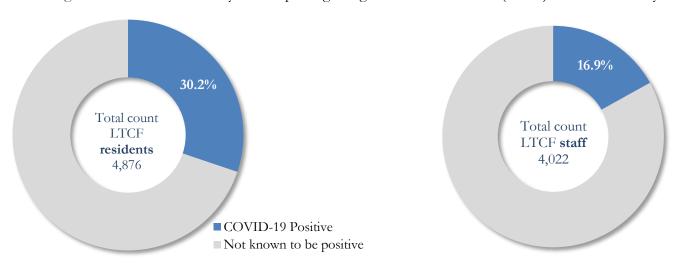
Older persons (aged 65 years and older) and persons who live in nursing homes or other long-term care facilities seem to be at higher risk for developing more serious complications from COVID-19. Extra precautions are recommended for individuals within this risk groups – Centers for Disease Control and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

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



# **COVID-19 POSITIVITY:**

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



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

	LTCF Residents (n=4,876)			LTCF Staff (n=4,022)			
	Cases	Hospitalizations	Deaths	Cases	Hospitalizations	Deaths	
Average (count per fac.)1	23	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	1471 (30.2%)a	310 (21.1%) <sup>b</sup>	237 (16.1%) <sup>b</sup>	681 (16.9%)a	32 (4.7%)b	5 (<1.0%)b	

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