

# Fulton County Board of Health Epidemiology Report

COVID-19 Diagnoses – 8/19/2020

#### **SUMMARY**

- As of August 19, 2020, Fulton County has recorded **22,742** cases of the 2019 novel coronavirus (COVID-19) and **480** deaths.
- Of 2,447 **new diagnoses** made between July 30 and August 12, the central portion of the county (Atlanta metro) accounted for 35% while the northern and southern parts accounted for 31% and 21% respectively.
- By city, new COVID-19 diagnoses rates range from 139.9 per 100,000 persons (Johns Creek) to 503.1 per 100,000 persons (Palmetto). [Fulton County Diagnoses Rates (per 100,000 persons): Cumulative 2137.5; Incident –230.0]. See map showing incident case rate by ZIP code on Pg.4.
- Among all persons diagnosed with COVID-19 in Fulton County, 8.9% required hospitalization and 2.1% died.
- Residents and staff of long-term care facilities account for 7.6% of COVID-19 diagnoses and 44.4% of COVID-19 deaths in Fulton County.

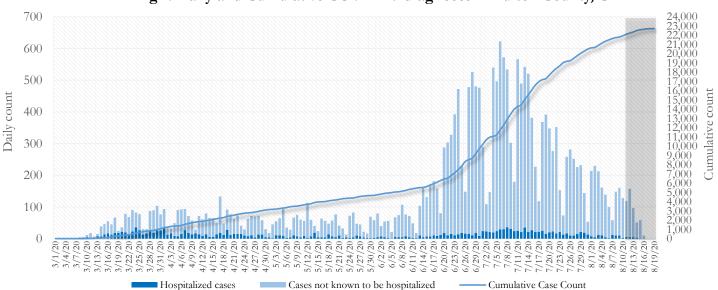


Fig 1. Daily and Cumulative COVID-19 diagnoses in Fulton County, GA

\*Counts shown reflect the number of confirmed cases as of 9:00am on 8/19/20 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:** All data reported are preliminary and subject to change. Delays in data reporting may cause changes in data counts, particularly in the shaded portion.

#### DISTRIBUTION OF COVID-19 DIAGNOSES BY REGION

New cases: 35% of the new COVID-19 cases diagnosed in the past 2 weeks occurred in Atlanta while 31% and 21% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative	% New	
Tulion Region	count	cases*	
Atlanta	42.9%	35.0%	
North <sup>1</sup>	25.0%	30.5%	
South <sup>2</sup>	20.4%	20.8%	
Unincorporated/Unknown	11.7%	13.7%	

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 7/30/20 – 8/12/20).

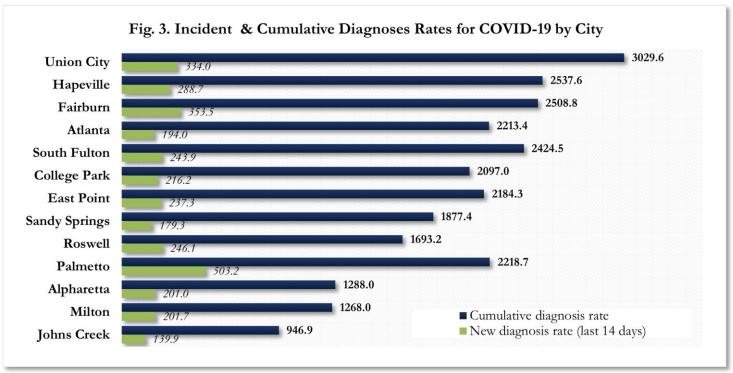
Fig. 2. Distribution of COVID 19 cases by Region



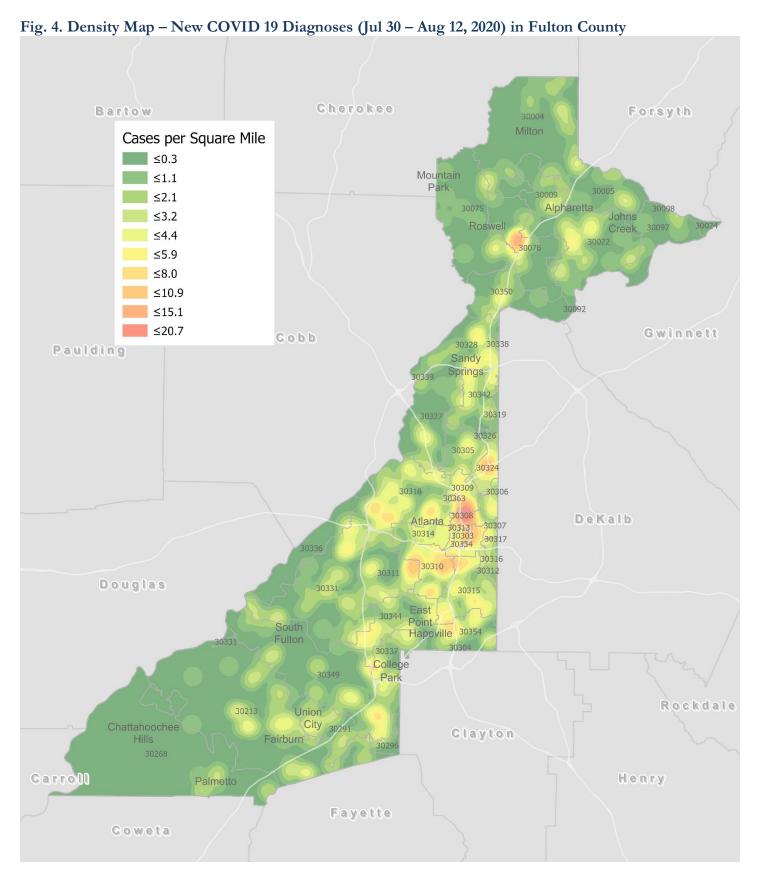
### COVID-19 CASE COUNTS AND RATES BY CITY

	Prior (8/17/20)	Current Total (8/19/20)			New Cases (Period: 7/15/20 – 8/12/20) <sup>1</sup>				
	Count	Count	%	Cum. Rate <sup>2</sup>	1 <sup>st</sup> 14 d. (7/15– 7/29)	Last 14 d. (7/29– 8/12)	% change <sup>3</sup>	Rate <sup>4</sup> (Last 14 d).	
Atlanta	9516	9765	42.9%	2213.4	1553	856	↓ 44.9%	194.0	
South Fulton	2245	2306	10.1%	2424.5	421	232	↓ 44.9%	243.9	
Sandy Springs	1933	1979	8.7%	1877.4	345	189	↓ 45.2%	179.3	
Roswell	1530	1596	7.0%	1693.2	432	232	↓ 46.3%	246.1	
East Point	746	764	3.4%	2184.3	164	83	↓ 49.4%	237.3	
Johns Creek	753	792	3.5%	946.9	190	117	↓ 38.4%	139.9	
Union City	611	635	2.8%	3029.6	119	70	↓ 41.2%	334.0	
Alpharetta	795	833	3.7%	1288.0	217	130	↓ 40.1%	201.0	
Milton	457	484	2.1%	1268.0	93	77	↓ 17.2%	201.7	
Fairburn	360	369	1.6%	2508.8	77	52	↓ 32.5%	353.5	
College Park	280	291	1.3%	2097.0	56	30	↓ 46.4%	216.2	
Palmetto	94	97	0.4%	2218.7	14	22	↑ 57.1%	503.2	
Hapeville	164	167	0.7%	2537.6	19	19	-	288.7	
Mountain Park	5	5	0.0%	800.0	<10	<10	↓ 33.3%	320.0	
Chattahooche Hills	0	0	0.0%	-	-	-	-	-	
Unknown	3253	2659	11.7%	-	555	332	-		

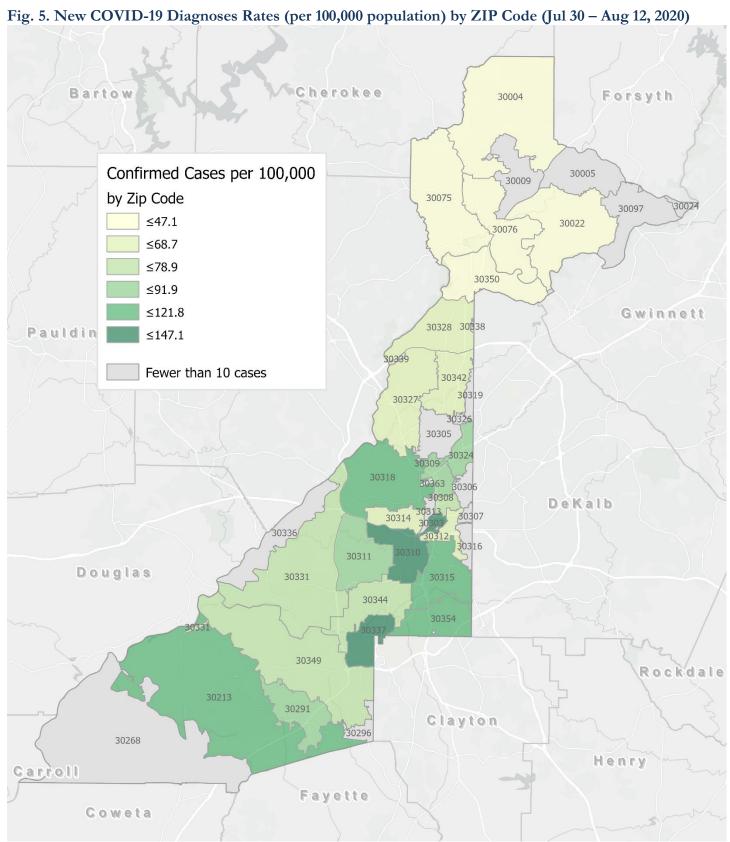
\*New cases: Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. \*Cumulative diagnosis 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. Changes in cities with less than 10 cases in both 2 week intervals are not reported \*(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.



<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 past7 days, data used for incident diagnoses analyses are moved back by one week. Map reflects new COVID-19 cases diagnosed between July  $30^{th}$  and  $Aug~12^{th}$ , 2020 across Fulton County.



\*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 outbreakrelated cases at long-term care facilities and map shown reflects only the new non-LTCF cases diagnosed between the dates shown in map title.

# COVID-19 CASE COUNTS BY ZIP CODE

	Prior (8/17/20)	Current To	tal (8/19/20)	New Cases (Period: 7/15/20 – 8/12/20) <sup>1</sup>			
	Count	Count	%	1st 14 days	Last 14 d.	% change <sup>2</sup>	
				<u> [Jul 15 – Jul 29)</u>	(Jul 30 – Aug 12)		
All Fulton	22074	22742	100.0%	4236	2447	↓ 42.2%	
30331	1449	1493	6.6%	278	136	↓ 51.1%	
30318	1318	1350	5.9%	233	125	↓ 46.4%	
30349	1482	1537	6.8%	302	180	↓ 40.4%	
30213	875	897	3.9%	179	118	↓ 34.1%	
30315	652	686	3.0%	137	99	↓ 27.7%	
30344	685	702	3.1%	157	80	↓ 49.0%	
30311	646	666	2.9%	134	66	↓ 50.7%	
30342	969	993	4.4%	136	71	↓ 47.8%	
30314	480	488	2.1%	66	42	↓ 36.4%	
30310	601	627	2.8%	88	63	↓ 28.4%	
30308	389	396	1.7%	61	29	↓ 52.5%	
30022	841	887	3.9%	215	135	↓ 37.2%	
30327	396	400	1.8%	49	46	↓ 6.1%	
30004	710	745	3.3%	156	111	↓ 28.8%	
30309	629	640	2.8%	88	54	↓ 38.6%	
30076	734	784	3.4%	229	131	↓ 42.8%	
30291	632	652	2.9%	116	65	↓ 44.0%	
30350	435	451	2.0%	96	52	↓ 45.8%	
30075	779	800	3.5%	205	107	↓ 47.8%	
30328	630	643	2.8%	136	69	↓ 49.3%	
30316	325	337	1.5%	72	37	↓ 48.6%	
30312	667	684	3.0%	88	40	↓ 54.5% ↓ 20.7%	
30005	378	394	1.7%	91	64	↓ 29.7%	
30305	613	624	2.7%	91	38	↓ 58.2%	
30306	264	271	1.2%	43	24	↓ 44.2% ↓ 22.7%	
30324	736	754 274	3.3%	92	61	↓ 33.7%	
30337	264	274 307	1.2%	54 90	26 41	↓ 51.9% ↓ 54.40/	
30009 30313	297 138		1.3% 0.6%		17	↓ 54.4% ↑ 6.39/	
30326	181	138 184	0.8%	16 31	<10	↑ 6.3% ↓ 71.0%	
30097	166	169	0.7%	51	14	↓ 71.0 % ↓ 72.5%	
30354	348	351	1.5%	63	39	↓ 72.376 ↓ 38.1%	
30303	354	368	1.6%	68	22	↓ 67.6%	
30339	267	267	1.2%	54	43	↓ 20.4%	
30268	154	160	0.7%	32	32	↓ 20. <del>1</del> 70	
30307	149	155	0.7%	38	23	↓ 39.5%	
30319	105	107	0.5%	12	<10	↓ 41.7%	
30336	77	77	0.3%	<10	<10	-	
30296	38	38	0.2%	<10	<10	_	
30363	53	53	0.2%	<10	<10	_	
30301	<10	<10	<0.1%	0	0	_	
30345	37	38	0.2%	<10	<10	_	
31131	<10	<10	<0.1%	<10	0	↓ 100.0%	
30023	<10	<10	<0.1%	0	0	-	
30080	<10	<10	<0.1%	<10	<10	_	
30135	<10	<10	<0.1%	0	0	-	
30138	<10	<10	<0.1%	0	Ö	-	
30139	-	-	-	0	0	-	
30321	10	10	<0.1%	<10	0	↓ 100.0%	
30340	32	32	0.1%	<10	<10	_	

30341	38	39	0.2%	10	<10	↓ 70.0%
30358	<10	<10	<0.1%	<10	0	↓ 100.0%
30374	31	31	0.1%	<10	<10	-
30606	<10	<10	<0.1%	0	0	-
31150	<10	<10	<0.1%	0	<10	-
30024	11	12	<0.1%	<10	<10	-
30098	-	-	-	0	0	-
30334	14	14	<0.1%	<10	<10	-
30338	140	149	0.7%	41	21	↓ 48.8%
Unknown	1487	830	3.6%	94	78	-

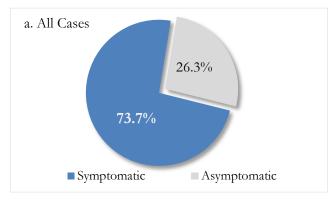
<u>New cases:</u> Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. <u>Percent change: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

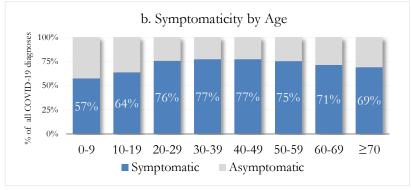
<u>Note:</u> Sharp increases in territorial COVID case counts often reflect new cases diagnosed at long term care facilities located in those territories during facility-wide /mass screening events All data reported are preliminary and subject to change.

### REPORTING SYMPTOMS AMONG PERSONS DIAGNOSED 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, repeated shaking with chills, muscle pain, headache, sore throat, 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. 6a & b. Proportion Reporting Symptoms in Fulton





\*\*\*COVID-19 cases who have been case interviewed or had medical charts reviewed as at 8/19/20 only\*\*\*

### COVID-19 HOSPITALIZATIONS, ICU ADMISSIONS AND DEATHS IN FULTON

Fig. 7. Hospitalizations, ICU Admissions, Intubations, and Deaths among COVID-19 Diagnoses in **Fulton County** 20% COVID19 diagnoses Percent of all 15% 8.9% 10% 5% 2.1% 2.1% 1.1% 0%Hospitalized Admitted Intubated Died to ICU

# **DEMOGRAPHIC DISTRIBUTIONS – COVID 19 DIAGNOSES AND DEATHS**

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

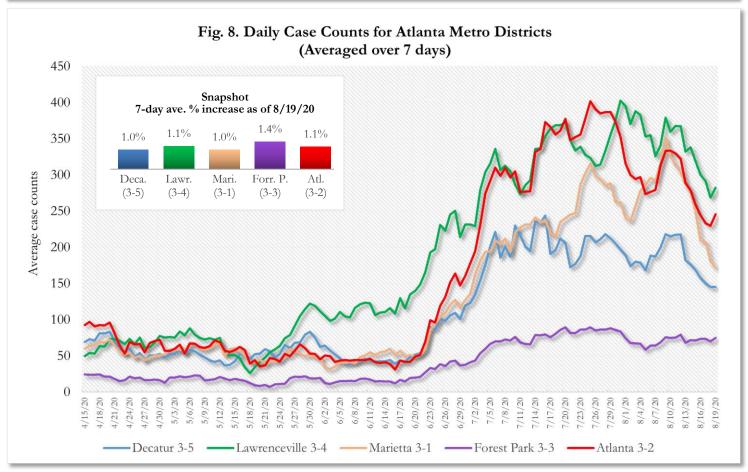
		North Fulton Cities <sup>1</sup>	Atlanta	South Fulton Cities <sup>2</sup>	Unknown City	All Fulton
		Count (%)	Count (%)	Count (%)	Count (%)	Count (%)
Total (	COVID-19 cases	5689	9765	4629	2659	22742
Gende	er: Female	2794 (49.1%)	4672 (47.8%)	2516 (54.4%)	1297 (48.8%)	11279 (49.6%)
	Male	2641 (46.4%)	4441 (45.5%)	1872 (40.4%)	1211 (45.5%)	10165 (44.7%)
	Unknown	254 (4.5%)	652 (6.7%)	241 (5.2%)	151 (5.7%)	1298 (5.7%)
Age:	0-9	178 (3.1%)	170 (1.7%)	133 (2.9%)	71 (2.7%)	552 (2.4%)
	10-19	752 (13.2%)	572 (5.9%)	306 (6.6%)	170 (6.4%)	1800 (7.9%)
	20-29	1269 (22.3%)	2760 (28.3%)	918 (19.8%)	679 (25.5%)	5626 (24.7%)
	30-39	923 (16.2%)	2137 (21.9%)	946 (20.4%)	573 (21.5%)	4579 (20.1%)
	40-49	908 (16.0%)	1295 (13.3%)	830 (17.9%)	413 (15.5%)	3446 (15.2%)
	50-59	791 (13.9%)	1109 (11.4%)	651 (14.1%)	331 (12.4%)	2882 (12.7%)
	60-69	432 (7.6%)	752 (7.7%)	439 (9.5%)	208 (7.8%)	1831 (8.1%)
	≥70	429 (7.5%)	949 (9.7%)	393 (8.5%)	207 (7.8%)	1978 (8.7%)
	Unknown	<10	21 (0.2%)	13 (0.3%)	<10	48 (0.2%)
Race:	Asian, NH	127 (2.2%)	121 (1.2%)	16 (0.3%)	42 (1.6%)	306 (1.3%)
	Black, NH	505 (8.9%)	4034 (41.3%)	2529 (54.6%)	717 (27.0%)	7785 (34.2%)
	White, NH	1468 (25.8%)	1543 (15.8%)	158 (3.4%)	468 (17.6%)	3637 (16.0%)
	Hispanic	854 (15.0%)	513 (5.3%)	276 (6.0%)	244 (9.2%)	1887 (8.3%)
	Other, NH	201 (3.5%)	251 (2.6%)	77 (1.7%)	97 (3.6%)	626 (2.8%)
	Unknown	2534 (44.5%)	3303 (33.8%)	1573 (34.0%)	1091 (41.0%)	8501 (37.4%)

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

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	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	91	228	124	37	480		
Gender: Female	40 (44.0%)	101 (44.3%)	66 (53.2%)	22 (59.5%)	229 (47.7%)		
Male	51 (56.0%)	127 (55.7%)	58 (46.8%)	15 (40.5%)	251 (52.3%)		
Unknown	0	0	0	0	0		
<b>Age:</b> ≤ 29	0	<10	<10	0	<10		
30-39	<10	<10	<10	0	10 (2.1%)		
40-49	<10	<10	<10	<10	18 (3.8%)		
50-59	<10	19 (8.3%)	16 (12.9%)	<10	40 (8.3%)		
60-69	<10	45 (19.7%)	31 (25.0%)	<10	88 (18.3%)		
≥70	73 (80.2%)	149 (65.4%)	67 (54.0%)	31 (83.8%)	320 (66.7%)		
Unknown	0	0	0	0	0		
Race: Asian, NH	<10	<10	<10	<10	<10		
Black, NH	17 (18.7%)	191 (83.8%)	106 (85.5%)	20 (54.1%)	334 (69.6%)		
White, NH	68 (74.7%)	26 (11.4%)	11 (8.9%)	14 (37.8%)	118 (24.6%)		
Hispanic	<10	<10	<10	<10	15 (3.1%)		
Other, NH	0	<10	<10	0	<10		
Unknown	0	<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.

# COVID-19 CASE TRENDS IN FULTON AND SURROUNDING DISTRICTS

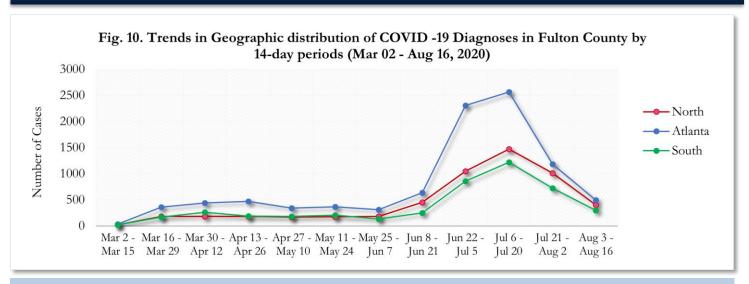


\*Graph shows the average number of cases calculated from the daily cumulative case counts in the metro Atlanta districts. Increases in daily cumulative case counts may include cases diagnosed earlier during the pandemic but were only recently reported to the state as cases diagnosed belonging to these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

Hall Forsyth Bartow Cherokee Jackson P61K Barrow Paulding Gwinnett -∂conee Walton ulton DeKalb Douglas Rockdale Morgan Clayton Newton Carroll Henry Favette **Health Districts** Cases per Square Mile ≤1.7 ≤3.7 Jasper ≤5.8 Spalding 3-4 ≤8.2 3-1 ≤10.9 3-5 ≤14.4 ≤18.8 ≤25.1 Troup ≤34.6 Jones Pike Ionroe ≤49.6 դUpson

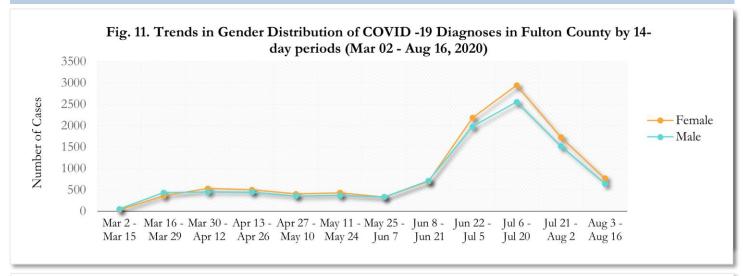
Fig. 9. COVID-19 Cases in Fulton County and Surrounding Districts (Jul 28 – Aug 10, 2020

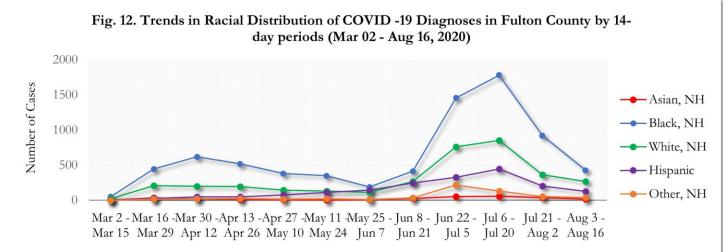
### TRENDS IN COVID-19 CASES AMONG DEMOGRAPHIC GROUPS (14 DAY PERIODS)



Atlanta metro has consistently accounted for the majority of newly diagnosed cases in Fulton County.

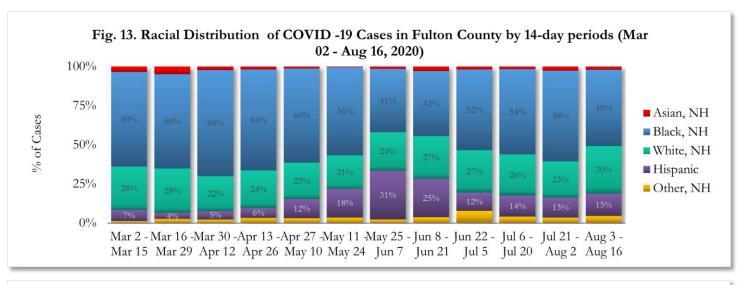
<sup>\*</sup>South - Includes all Fulton cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, and Union City)

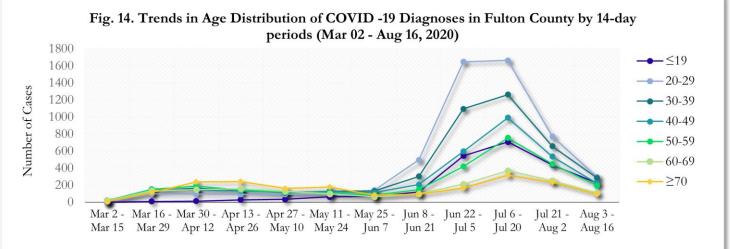




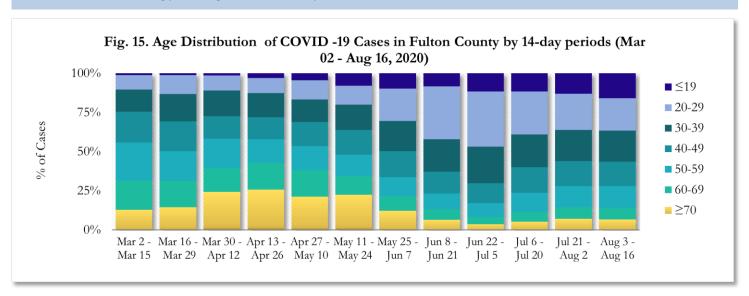
About 38% of COVID cases are missing data on patient race and ethnicity. Of cases with race and ethnicity reported, majority are Black non-Hispanic, followed by a smaller number of cases reporting White (non-Hispanic and Hispanic) race.

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

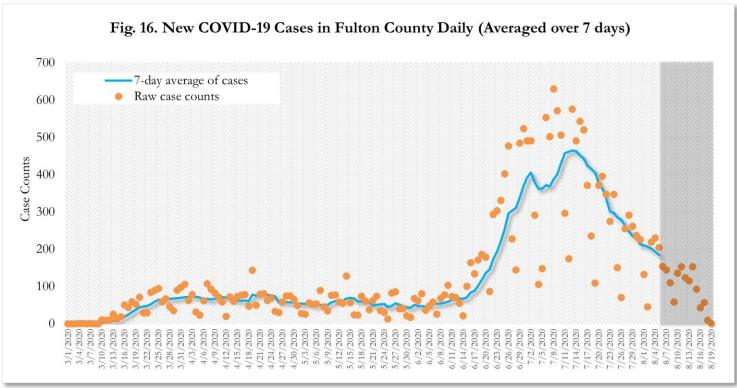




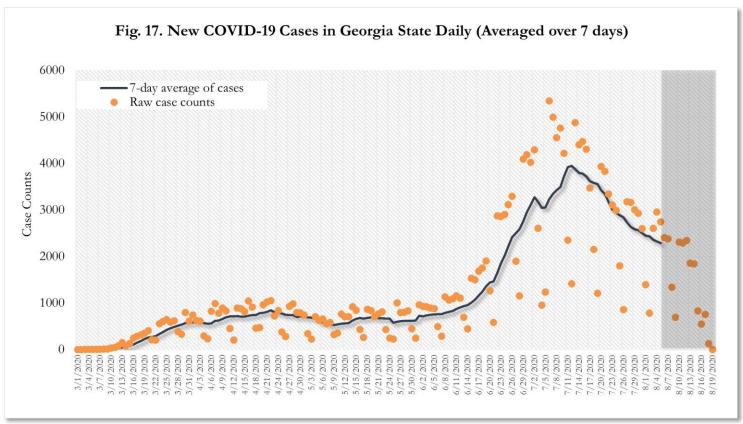
Earlier (March-May 2020) large proportions of reported cases were among persons aged 60 and older. However, starting in June, a much higher number of cases were among persons aged between 20-29 years.



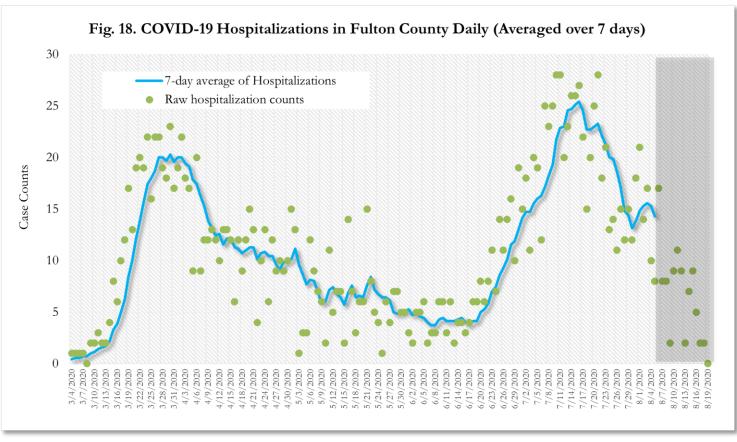
## TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)



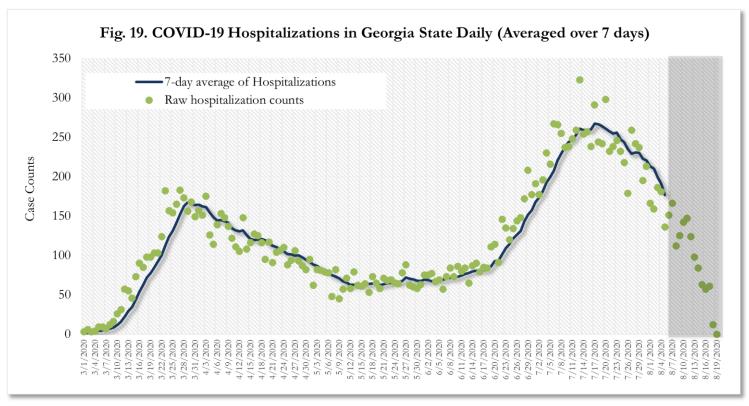
<sup>\*</sup>Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend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



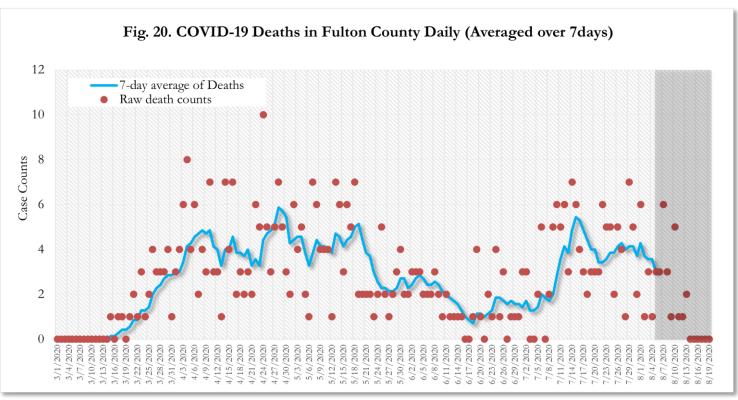
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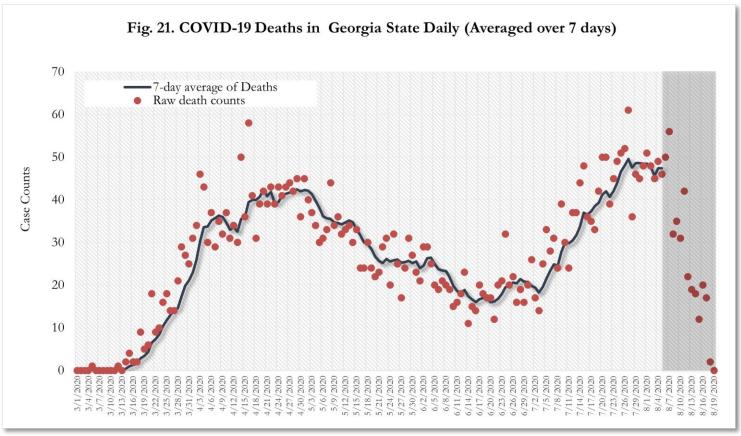
<sup>\*</sup>Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported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

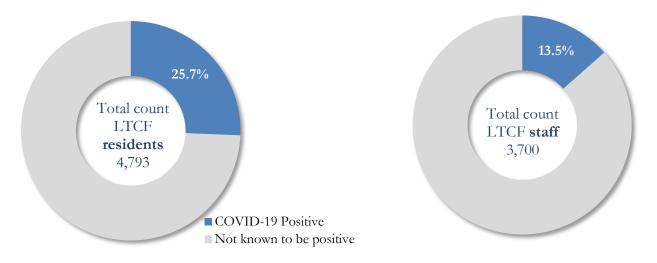
Fig. 22. COVID-19 Diagnoses and Deaths in Fulton County Associated with Long-Term Care Facilities



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

## **COVID-19 POSITIVITY:**

Fig. 23. COVID-19 Positivity at 59 reporting Long-Term Care Facilities (LTCF) in Fulton County

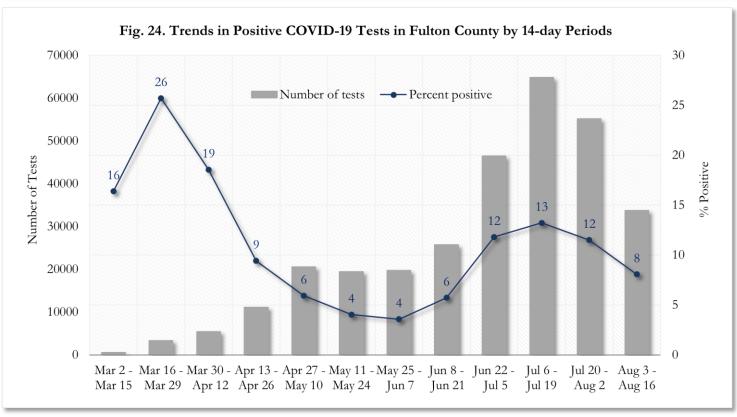


COVID-19 Cases, Hospitalizations, and Deaths among 59 reporting Long-Term Care Facilities in Fulton County

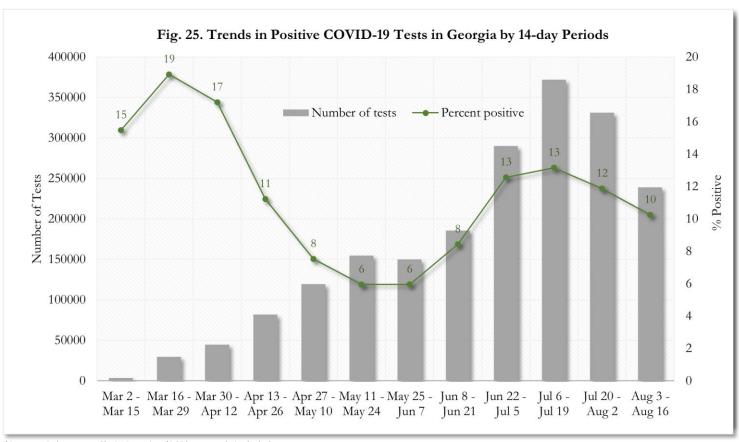
	LT	CF Residents (n=4,	793)	Ľ	<b>TCF Staff</b> (n=3,700)	
	Cases	Hospitalizations	Deaths	Cases	Hospitalizations	Deaths
Average (count per fac.)1	21	5	4	8	1	< 0.1
Median (count per fac.)1	8	2	0	4	0	0
Lowest counts	1	0	0	0	0	0
Highest counts	136	48	29	62	8	1
Total Count	1230 (25.7%) <sup>a</sup>	288 (23.5%) <sup>b</sup>	210 (17.1%) <sup>b</sup>	499 (13.5%) <sup>a</sup>	30 (6.0%) <sup>b</sup>	3 (<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.

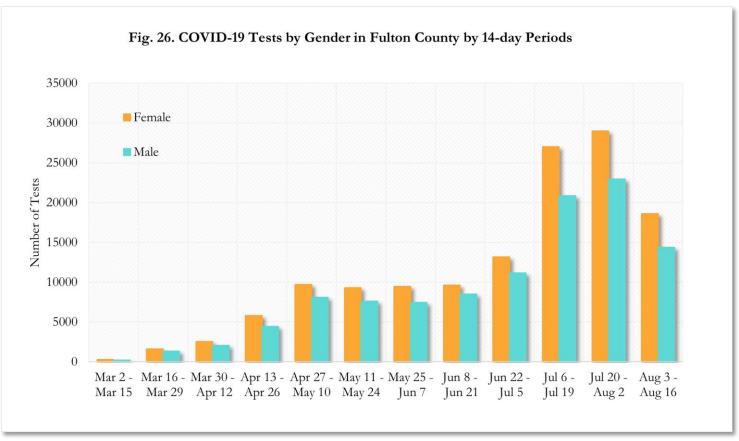
## COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY



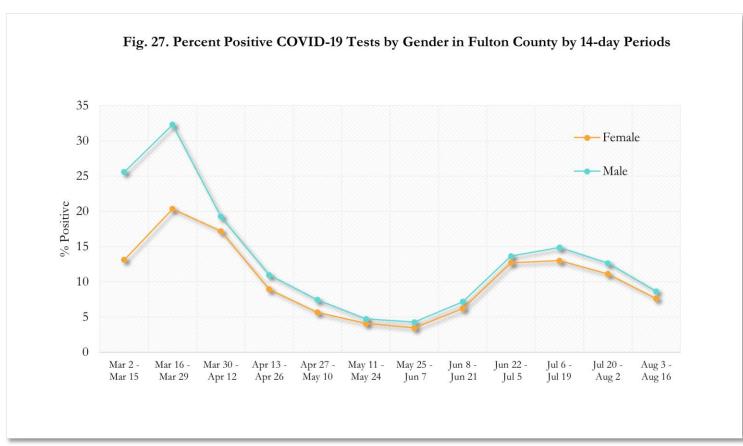
\*Data on Polymerase Chain Reaction (PCR) tests only included.



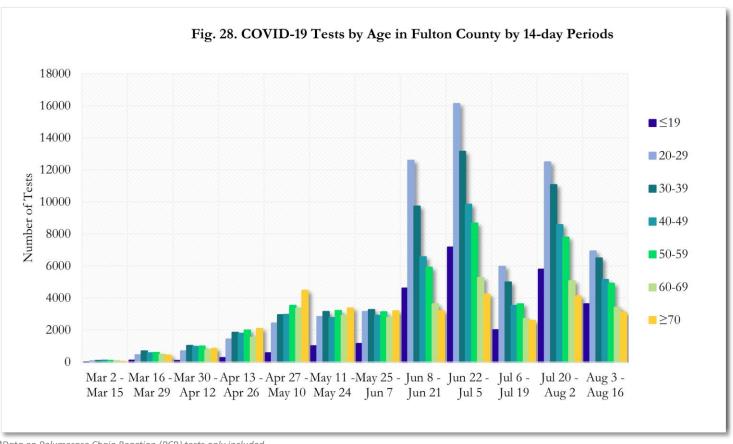
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



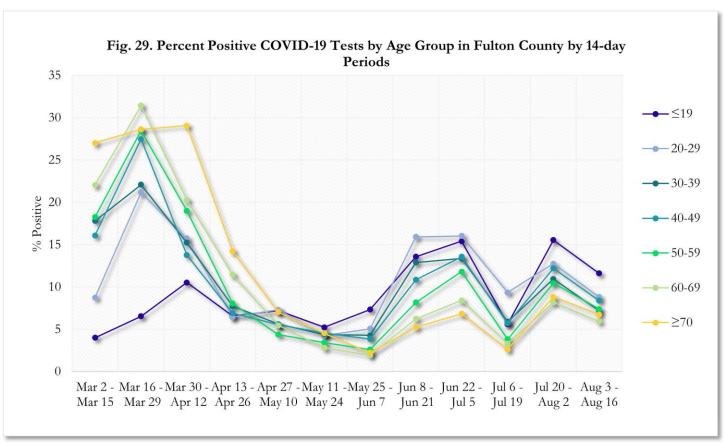
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



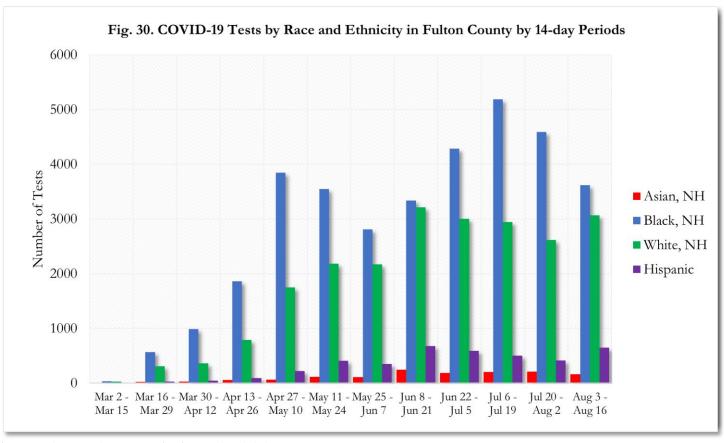
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



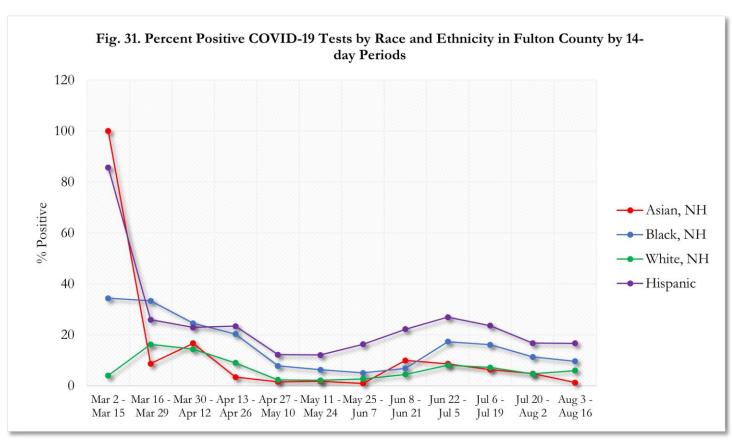
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



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