

## Fulton County Board of Health Epidemiology Report

COVID-19 Diagnoses – 8/10/2020

#### **SUMMARY**

- As of August 10, 2020, Fulton County has recorded **20,449** cases of the 2019 novel coronavirus (COVID-19) and **433** deaths.
- Of 2,963 **new diagnoses** made between July 21 and August 3, the central portion of the county (Atlanta metro) accounted for 38% while the northern and southern parts accounted for 28% and 21% respectively.
- By city, **new** COVID-19 diagnoses rates range from 141.1 per 100,000 persons (Johns Creek) to 421.5 per 100,000 persons (Fairburn). [Fulton County Diagnoses Rates (per 100,000 persons): Cumulative 1922.0; Incident –278.5]. See map showing incident case rate by ZIP code on Pg.4.
- Among all persons diagnosed with COVID-19 in Fulton County, 9.3% required hospitalization and 2.1% died.
- Residents and staff of long-term care facilities account for 9.0% of COVID-19 diagnoses and 51.6% of COVID-19 deaths in Fulton County.

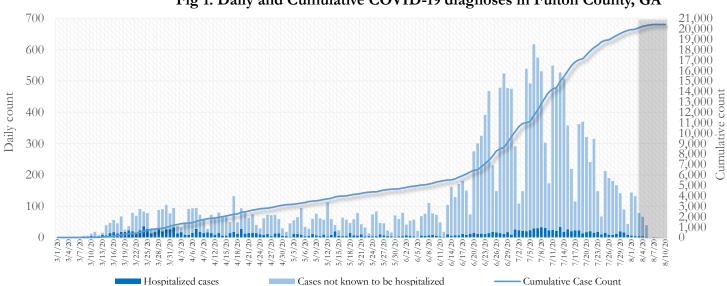


Fig 1. Daily and Cumulative COVID-19 diagnoses in Fulton County, GA

\*Counts shown reflect the number of confirmed cases as of 9:00am on 8/10/20 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:** 38% of the new COVID-19 cases diagnosed in the past 2 weeks occurred in Atlanta while 28% and 21% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative count	% New cases*	
Atlanta	44.3%	37.9%	
North <sup>1</sup>	23.8%	27.7%	
South <sup>2</sup>	20.3%	21.3%	
Unincorporated/Unknown	11.6%	13.1%	

<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 7/21/20 – 8/3/20).

Fig. 2. Distribution of COVID 19 cases by Region

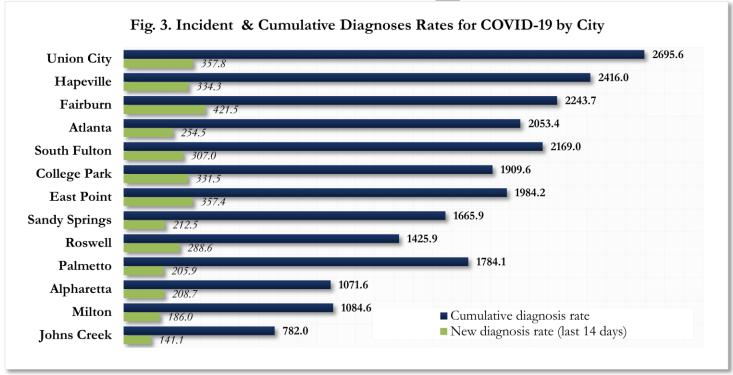


Percent of confirmed cases

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

	Prior (8/07/20)	Current Total (8/10/20)			New Cases (Period: 7/06/20 – 8/03/20) <sup>1</sup>			
	Count	Count	%	Cum. Rate <sup>2</sup>	Ist 14 d. (7/06– 7/20)	<b>Last 14 d.</b> (7/21–8/03)	% change <sup>3</sup>	<b>Rate</b> <sup>4</sup> ( <i>Last 14 d</i> ).
Atlanta	8749	9059	44.3%	2053.4	2533	1123	↓ 55.7%	254.5
South Fulton	1997	2063	10.1%	2169.0	647	292	↓ 54.9%	307.0
Sandy Springs	1687	1756	8.6%	1665.9	449	224	↓ 50.1%	212.5
Roswell	1253	1344	6.6%	1425.9	422	272	↓ 35.5%	288.6
East Point	662	694	3.4%	1984.2	189	125	↓ 33.9%	357.4
Johns Creek	628	654	3.2%	782.0	197	118	↓ 40.1%	141.1
Union City	547	565	2.8%	2695.6	144	75	↓ 47.9%	357.8
Alpharetta	647	693	3.4%	1071.6	222	135	↓ 39.2%	208.7
Milton	381	414	2.0%	1084.6	136	71	↓ 47.8%	186.0
Fairburn	319	330	1.6%	2243.7	95	62	↓ 34.7%	421.5
College Park	253	265	1.3%	1909.6	67	46	↓ 31.3%	331.5
Palmetto	78	78	0.4%	1784.1	34	<10	↓ 73.5%	205.9
Hapeville	152	159	0.8%	2416.0	25	22	↓ 12.0%	334.3
Mountain Park	2	4	0.0%	640.0	<10	<10	↑ 100.0%	320.0
Chattahooche Hills	0	0	0.0%		-	-		-
Unknown	3094	2371	11.6%	-	812	382	-	-

\*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.

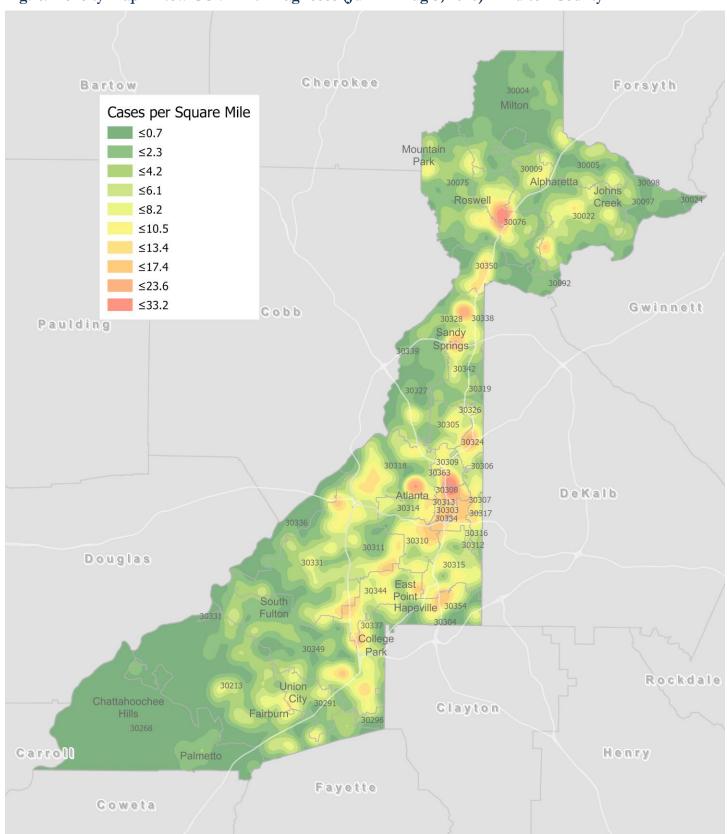


Fig. 4. Density Map – New COVID 19 Diagnoses (Jul 21 – Aug 3, 2020) in Fulton County

<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 21<sup>st</sup> and Aug 3<sup>rd</sup>, 2020 across Fulton County.

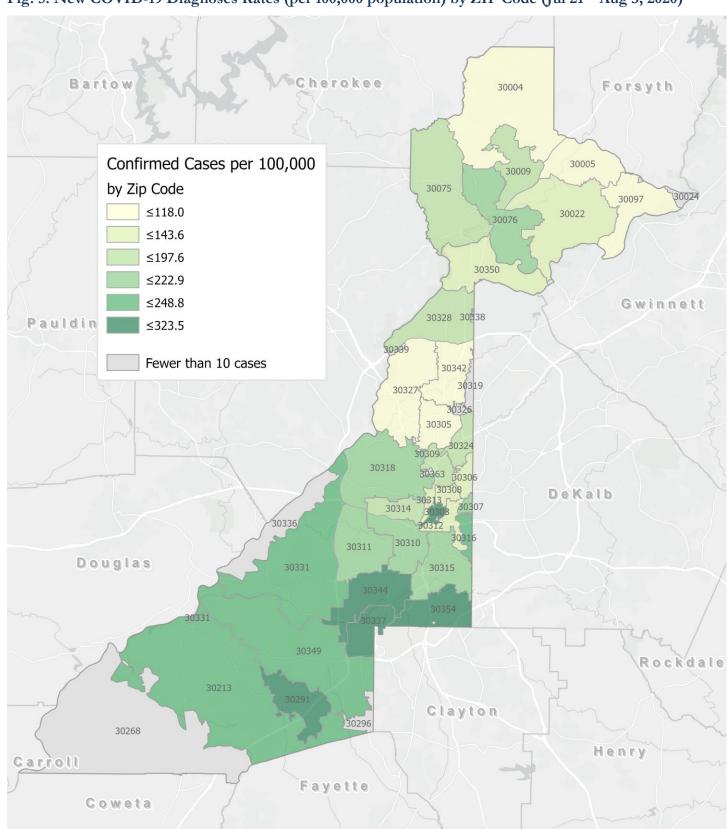


Fig. 5. New COVID-19 Diagnoses Rates (per 100,000 population) by ZIP Code (Jul 21 – Aug 3, 2020)

\*Rates shown are per 100,000 populations.

New COVID-19 cases: Cases diagnosed in most recent 14 days (based on reported dates of positive sample collection). To allow for lag in reporting results of positive cases from samples collected in the immediate past7 days, data used for incident diagnoses analyses are moved back by one week. Data used excludes outbreak-related cases at long-term care facilities and map shown reflects only the new non-LTCF cases diagnosed between the dates shown in map title.

# COVID-19 CASE COUNTS BY ZIP CODE

	Prior (8/07/20)	Current Total (8/10/20)		New Case	8/03/20)1	
	Count	Count	%	<b>1st 14 days</b> (Jul 6 – Jul 20)	<b>Last 14 d.</b> (Jul 21 – Aug 3)	% change <sup>2</sup>
All Fulton	19622	20449	100.0%	5977	2963	↓ 50.4%
30331	1305	1353	6.6%	391	194	↓ 50.4%
30318	1191	1246	6.1%	373	163	↓ 56.3%
30349	1312	1368	6.7%	441	236	↓ 46.5%
30213	765	793	3.9%	234	130	↓ 44.4%
30315	581	618	3.0%	158	116	↓ 26.6%
30344	607	635	3.1%	176	114	↓ 35.2%
30311	585	609	3.0%	157	99	↓ 36.9%
30342	841	878	4.3%	244	82	↓ 66.4%
30314	439	453	2.2%	93	48	↓ 48.4%
30310	565	578	2.8%	138	78	↓ 43.5%
30308	360	369	1.8%	120	35	↓ 70.8%
30022	694	733	3.6%	229	143	↓ 70.8 % ↓ 37.6%
30327	346	363	1.8%	71	40	↓ 43.7%
30004	589	635	3.1%	219	113	↓ 43.7% ↓ 48.4%
30309	588	603	2.9%	158	60	<b>▼</b>
		625	3.1%	208		↓ 62.0%
30076	583				139	↓ 33.2%
30291	572	589	2.9%	129	82	↓ 36.4%
30350	388	400	2.0%	87	58	↓ 33.3%
30075	651	693	3.4%	220	132	↓ 40.0%
30328	546	574	2.8%	158	92	↓ 41.8%
30316	302	311	1.5%	110	51	↓ 53.6%
30312	633	639	3.1%	164	41	↓ 75.0%
30005	307	327	1.6%	99	52	↓ 47.5%
30305	554	577	2.8%	148	55	↓ 62.8%
30306	241	249	1.2%	94	29	↓ 69.1%
30324	684	704	3.4%	176	70	↓ 60.2%
30337	242	250	1.2%	63	44	↓ 30.2%
30009	249	272	1.3%	91	62	↓ 31.9%
30313	121	122	0.6%	32	12	↓ 62.5%
30326	165	170	0.8%	48	13	↓ 72.9%
30097	147	151	0.7%	51	22	↓ 56.9%
30354	315	332	1.6%	71	67	↓ 5.6%
30303	351	358	1.8%	222	44	↓ 80.2%
30339	219	239	1.2%	98	39	↓ 60.2%
30268	127	129	0.6%	66	18	↓ 72.7%
30307	126	138	0.7%	46	31	↓ 32.6%
30319	96	100	0.5%	13	<10	↓ 38.5%
30336	72	72	0.4%	17	<10	↓ 47.1%
30296	32	33	0.2%	14	<10	↓ 85.7%
30363	52	53	0.3%	21	<10	↓ 90.5%
30301	<10	<10	<0.1%	<10	0	↓ 100.0%
30345	31	32	0.2%	<10	<10	-
31131	<10	<10	<0.1%	<10	0	↓ 100.0%
30023	<10	<10	<0.1%	<10	0	100.0%
30080	<10	<10	<0.1%	<10	<10	-
30135	<10	<10	<0.1%	<10	0	↓ 100.0%
30138	<10	<10	<0.1%	0	0	¥ 100.070
30139	-10	-10	-0.170	0	0	_
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30321	<10	10	<0.1%	<10	<10	-
30340	30	30	0.1%	<10	<10	-
30341	35	36	0.2%	<10	<10	-
30358	<10	<10	<0.1%	0	<10	-
30374	33	33	0.2%	<10	<10	-
30606	<10	<10	<0.1%	0	0	-
31150	<10	<10	<0.1%	0	0	-
30024	<10	<10	<0.1%	<10	<10	-
30098	-	-	-	0	0	-
30334	13	14	<0.1%	<10	<10	-
30338	122	129	0.6%	53	29	↓ 45.3%
Unknown	1591	782	3.8%	233	87	-

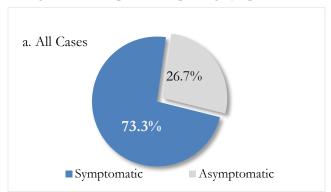
New cases: Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. Percent change: These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

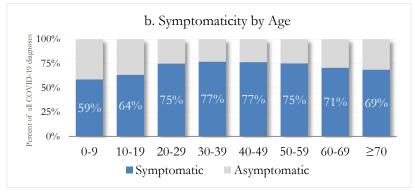
Note: Sharp increases in territorial COVID case counts often reflect new cases diagnosed at long term care facilities located in those territories during facility-wide /mass screening events All data reported are preliminary and subject to change.

#### 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

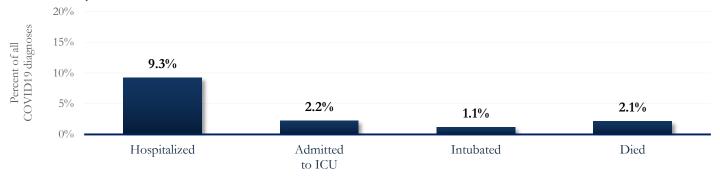




\*\*\*COVID-19 cases who have been case interviewed or had medical charts reviewed as at 8/10/20 only \*\*\*

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

Fig. 7. Hospitalizations, ICU Admissions and Deaths among COVID-19 Diagnoses in Fulton County



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

#### A. Distribution of COVID-19 diagnoses in Fulton County by Fulton Region

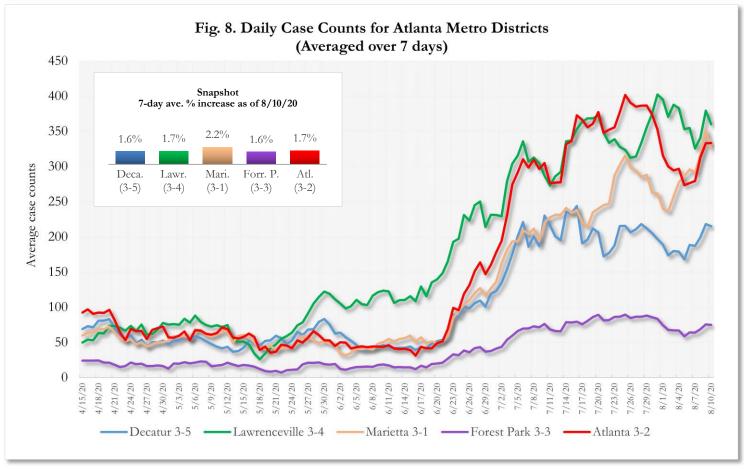
		North Fulton Cities <sup>1</sup> Count (%)	Atlanta Count (%)	South Fulton Cities <sup>2</sup> Count (%)	Unknown City Count (%)	All Fulton Count (%)	
Total	COVID-19 cases	4865	9059	4154	2371	20449	
Gende	er: Female	2381 (48.9%)	4284 (47.3%)	2249 (54.1%)	1154 (48.7%)	10068 (49.2%)	
	Male	2247 (46.2%)	4129 (45.6%)	1666 (40.1%)	1072 (45.2%)	9114 (44.6%)	
	Unknown	237 (4.9%)	646 (7.1%)	239 (5.8%)	145 (6.1%)	1267 (6.2%)	
Age:	0-9	140 (2.9%)	145 (1.6%)	105 (2.5%)	61 (2.6%)	451 (2.2%)	
	10-19	617 (12.7%)	519 (5.7%)	250 (6.0%)	145 (6.1%)	1531 (7.5%)	
	20-29	1097 (22.5%)	2595 (28.6%)	827 (19.9%)	609 (25.7%)	5128 (25.1%)	
	30-39	793 (16.3%)	1982 (21.9%)	831 (20.0%)	511 (21.6%)	4117 (20.1%)	
	40-49	770 (15.8%)	1201 (13.3%)	757 (18.2%)	367 (15.5%)	3095 (15.1%)	
	50-59	674 (13.9%)	1022 (11.3%)	596 (14.3%)	303 (12.8%)	2595 (12.7%)	
	60-69	386 (7.9%)	692 (7.6%)	408 (9.8%)	178 (7.5%)	1664 (8.1%)	
	≥70	383 (7.9%)	882 (9.7%)	368 (8.9%)	190 (8.0%)	1823 (8.9%)	
	Unknown	<10	21 (0.2%)	12 (0.3%)	<10	45 (0.2%)	
Race:	Asian, NH	106 (2.2%)	110 (1.2%)	13 (0.3%)	37 (1.6%)	266 (1.3%)	
	Black, NH	453 (9.3%)	3710 (41.0%)	2271 (54.7%)	626 (26.4%)	7060 (34.5%)	
	White, NH	1255 (25.8%)	1428 (15.8%)	144 (3.5%)	410 (17.3%)	3237 (15.8%)	
	Hispanic	737 (15.1%)	474 (5.2%)	243 (5.8%)	231 (9.7%)	1685 (8.2%)	
	Other, NH	178 (3.7%)	221 (2.4%)	68 (1.6%)	84 (3.5%)	551 (2.7%)	
	Unknown	2136 (43.9%)	3116 (34.4%)	1415 (34.1%)	983 (41.5%)	7650 (37.4%)	

## B. Distribution of COVID-19 deaths 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	78	207	112	36	433
Gende	er: Female	32 (41.0%)	88 (42.5%)	60 (53.6%)	22 (61.1%)	202 (46.7%)
	Male	46 (59.0%)	119 (57.5%)	52 (46.4%)	14 (38.9%)	231 (53.3%)
	Unknown	0	0	0	0	0
Age:	≤ 29	0	<10	<10	0	<10
	30-39	<10	<10	<10	0	<10
	40-49	<10	<10	<10	0	15 (3.5%)
	50-59	<10	15 (7.2%)	14 (12.5%)	<10	34 (7.9%)
	60-69	<10	41 (19.8%)	28 (25.0%)	<10	81 (18.7%)
	≥70	60 (76.9%)	139 (67.1%)	61 (54.5%)	31 (86.1%)	291 (67.2%)
	Unknown	0	0	0	0	0
Race:	Asian, NH	0	<10	<10	<10	<10
	Black, NH	14 (17.9%)	171 (82.6%)	97 (86.6%)	19 (52.8%)	301 (69.5%)
	White, NH	59 (75.6%)	25 (12.1%)	10 (8.9%)	14 (38.9%)	108 (24.9%)
	Hispanic	<10	<10	<10	<10	13 (3.0%)
	Other, NH	0	<10	<10	0	<10
	Unknown	<10	<10	0	0	<10

<sup>&</sup>lt;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

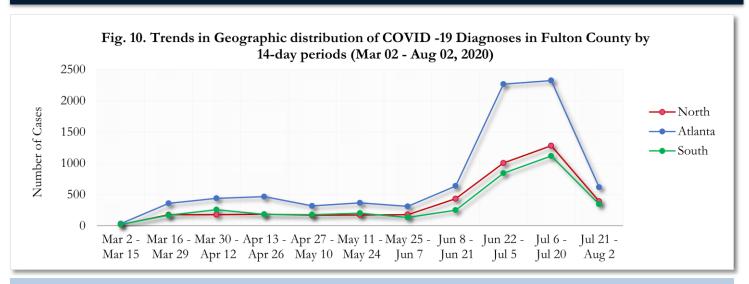


<sup>\*</sup>Graph shows the average number of cases calculated from the daily cumulative case counts in the metro Atlanta districts. Increases in daily cumulative case counts may include cases diagnosed earlier during the pandemic but were only recently reported to the state as cases diagnosed belonging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

Hall Forsyth Bartow Cherokee Jackson P6K Barrow Lawrenceville Paulding Gwinnett Oconee Walton DeKalb Douglas Rockdale Morgan Fairburn Clayton Newton Carroll Henry Favette **Health Districts** Cases per Square Mile ≤0.8 ≤2.8 Jasper ≤5.0 Spalding 3-4 ≤7.2 3-1 ≤9.5 3-5 ≤12.2 ≤15.6 ≤19.8 Troup ≤27.3 Jones Pike lonroe ≤42.7 4.Upson

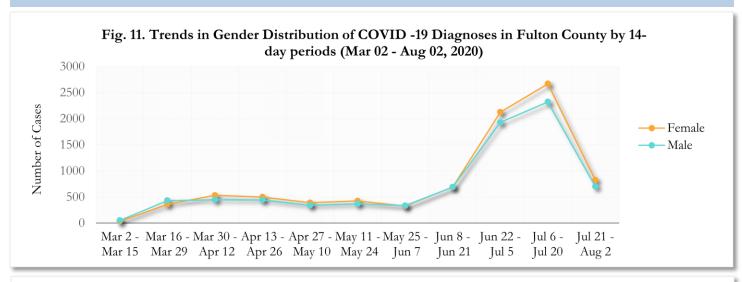
Fig. 9. COVID-19 Cases in Fulton County and Surrounding Districts (Jul 21 - Aug 3, 2020)

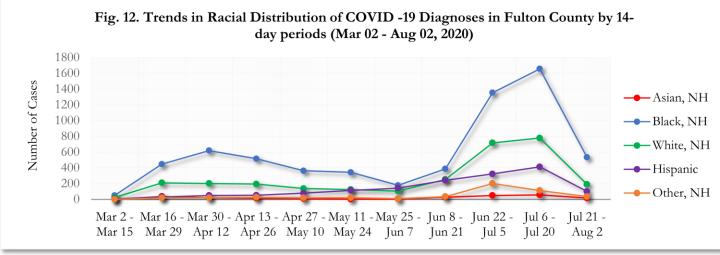
#### TRENDS IN COVID-19 CASES AMONG DEMOGRAPHIC GROUPS (14 DAY PERIODS)



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

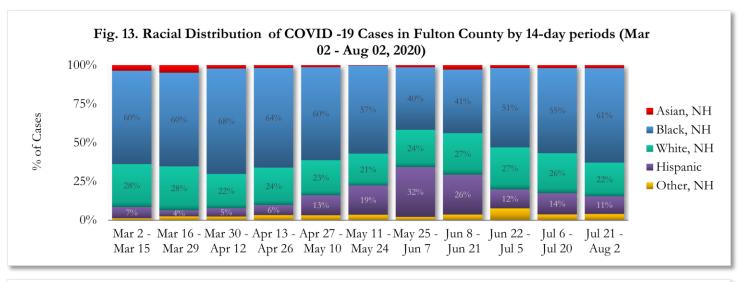
<sup>\*</sup>South - Includes all Fulton cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, and Union City)

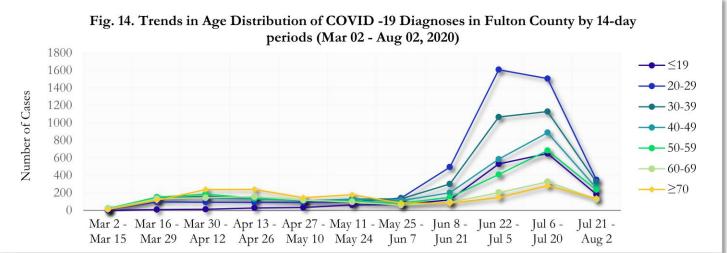




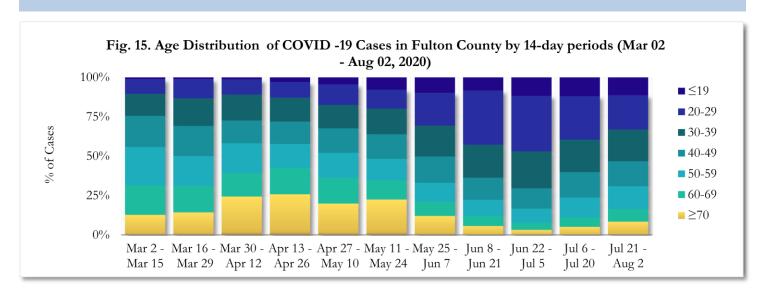
About 30% of COVID cases are missing data on patient race and ethnicity. Of cases with race and ethnicity reported, majority are Black non-Hispanic, followed by a smaller number of cases reporting White (non-Hispanic and Hispanic) race.

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

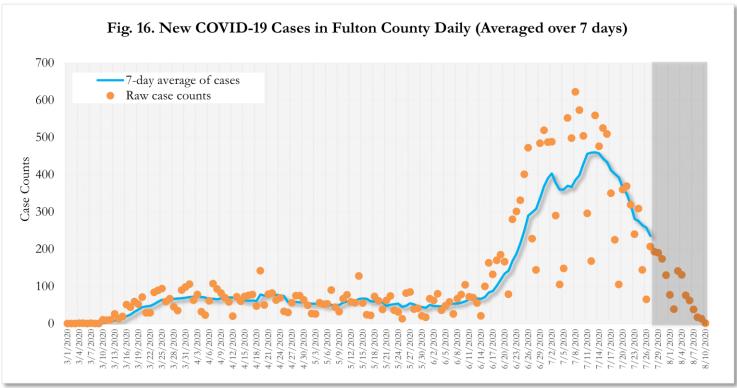




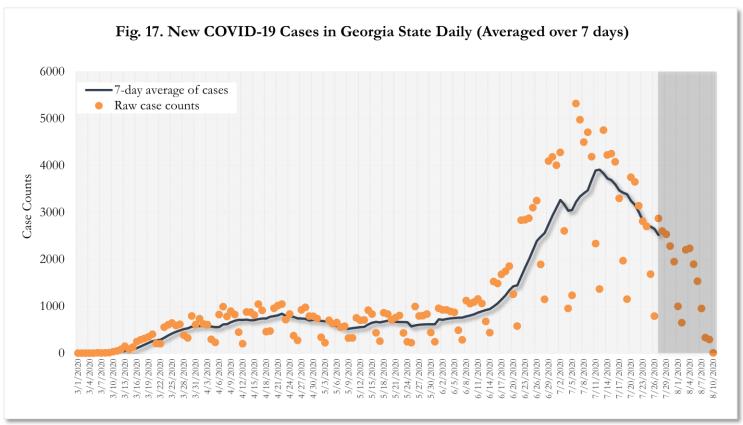
Earlier (March-May 2020) large proportions of reported cases were among persons aged 60 and older. However, starting in June, a much higher number of cases were among persons aged between 20-29 years.



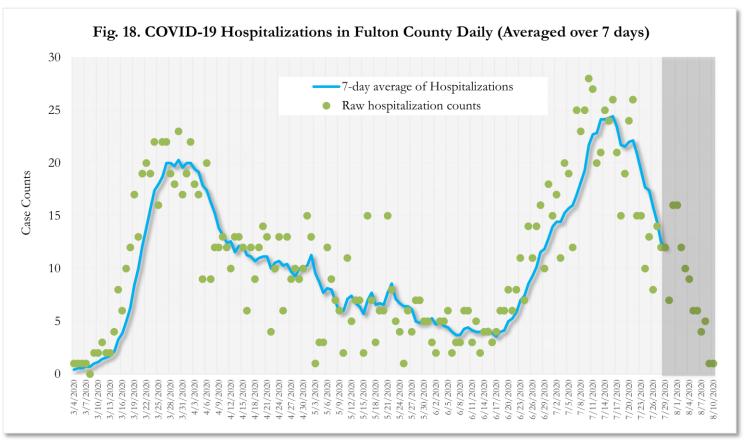
## TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)



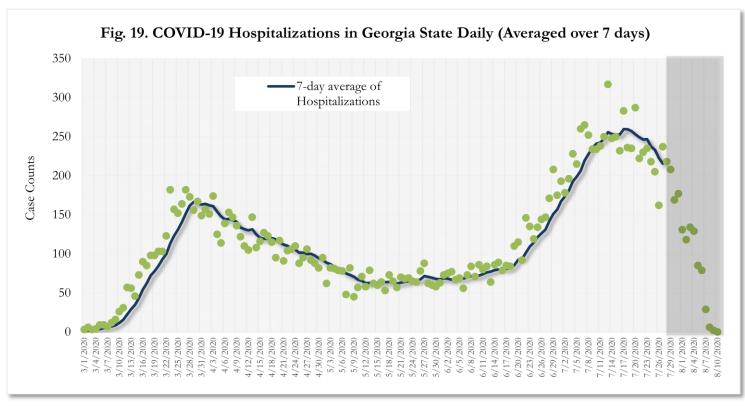
<sup>\*</sup>Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend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



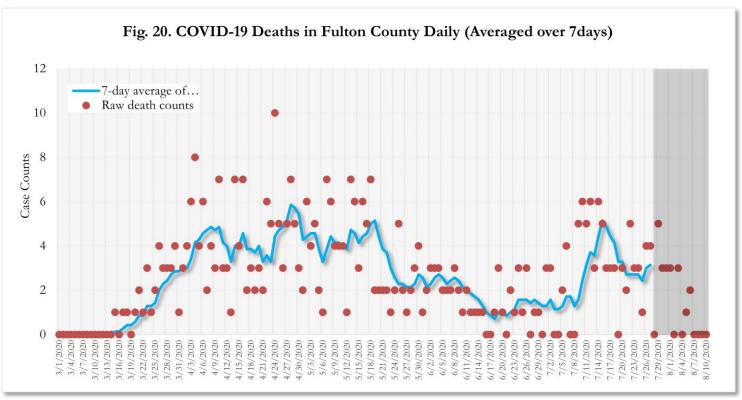
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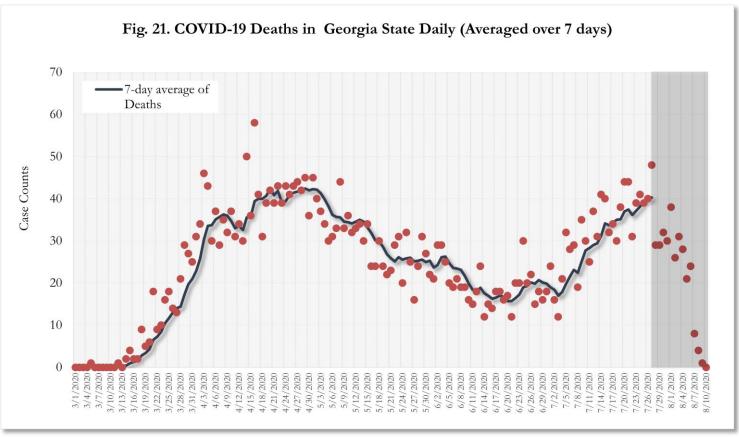
<sup>\*</sup>Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported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

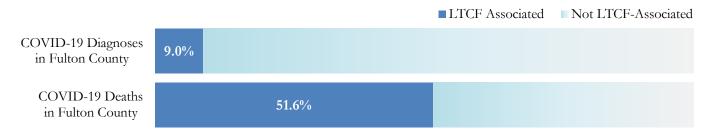


<sup>\*</sup>Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

#### 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>

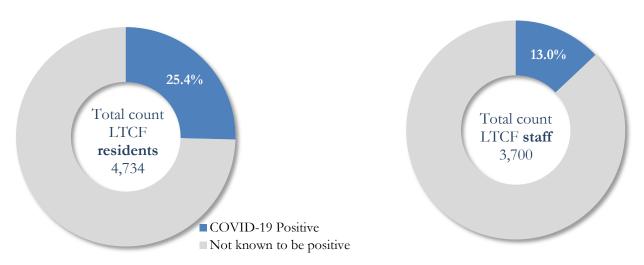
Fig. 22. COVID-19 Diagnoses and Deaths in Fulton County Associated with Long-Term Care Facilities



<sup>\*\*\*</sup>LTCF → 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

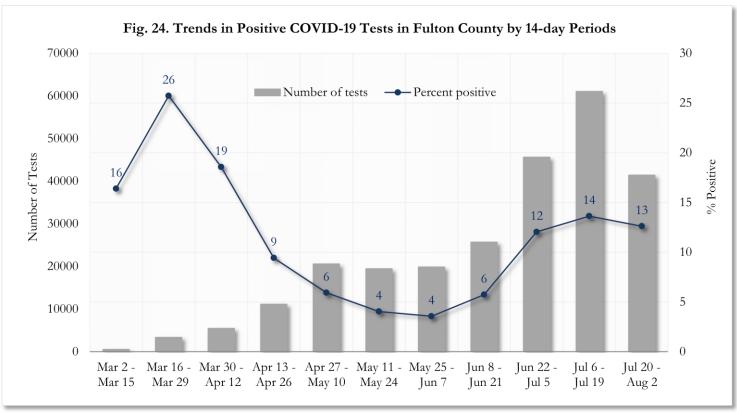


COVID-19 Cases, Hospitalizations, and Deaths among 59 reporting Long-Term Care Facilities in Fulton County

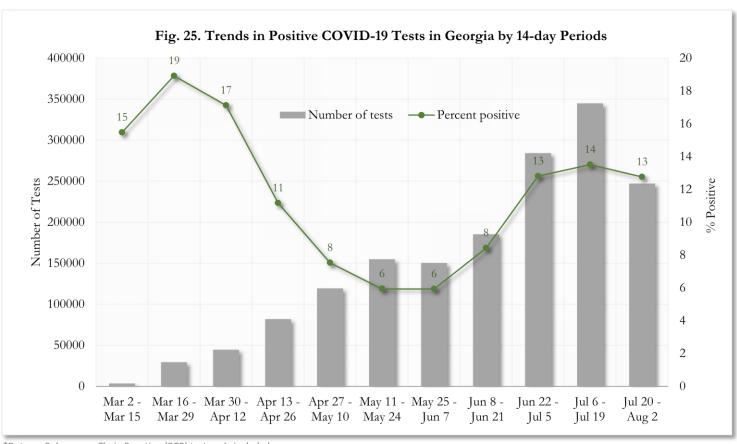
	LT	CF Residents (n=4,	731)	<b>LTCF Staff</b> (n=3,699)		
	Cases	Hospitalizations	Deaths	Cases	Hospitalizations	Deaths
Average (count per fac.) <sup>1</sup>	20	5	4	8	1	< 0.1
Median (count per fac.)1	8	2	0	4	0	0
Lowest counts	1	0	0	0	0	0
Highest counts	136	48	29	53	8	1
Total Count	1202 (25.4%) <sup>a</sup>	284 (23.6%)b	208 (17.3%) <sup>b</sup>	480 (13.0%) <sup>a</sup>	30 (6.3%)b	2 (<1.0%)b

<sup>&</sup>lt;sup>a</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.

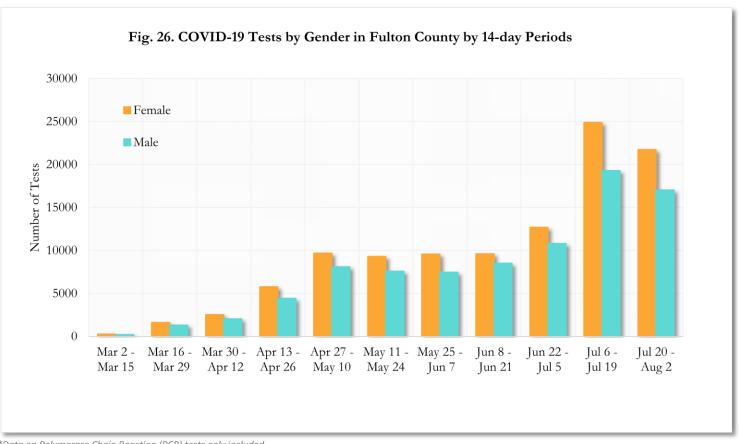
## **COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY**



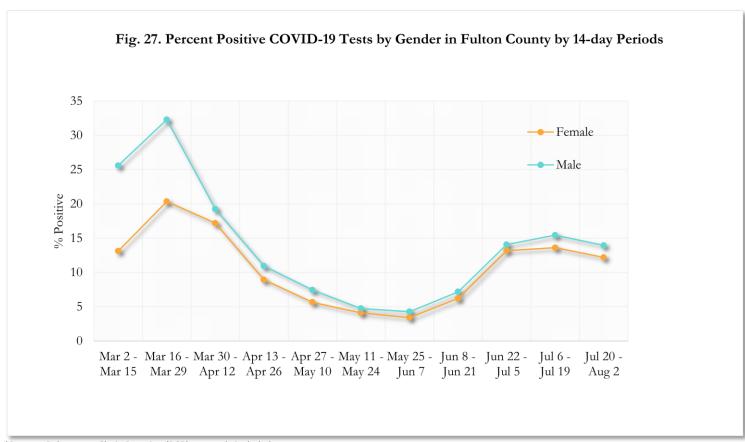
\*Data on Polymerase Chain Reaction (PCR) tests only included.



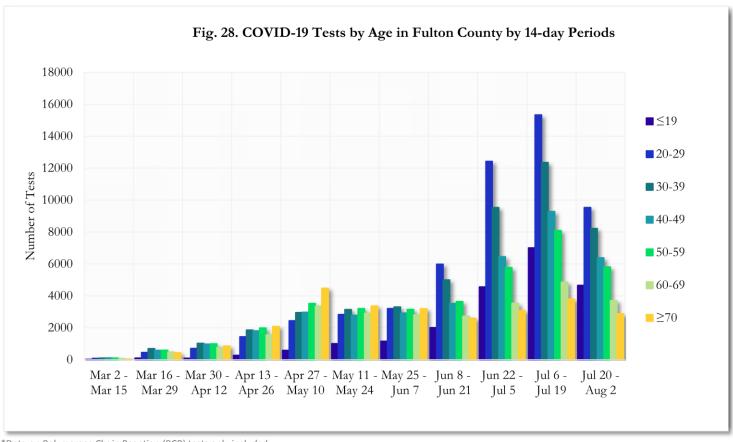
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



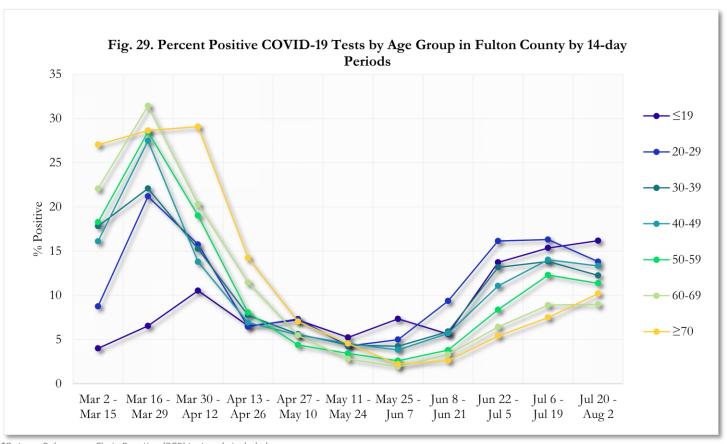
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



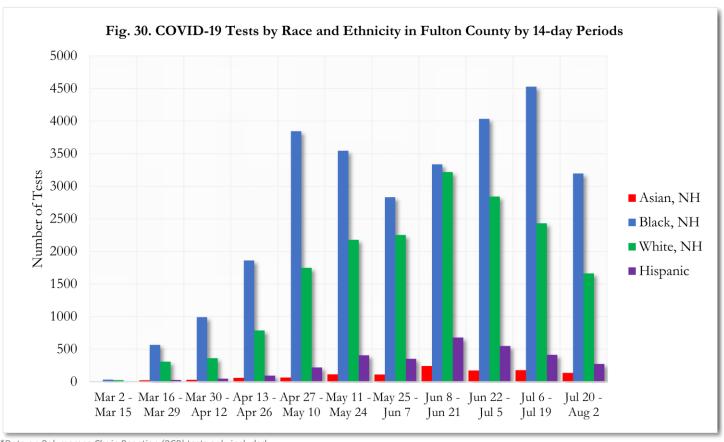
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



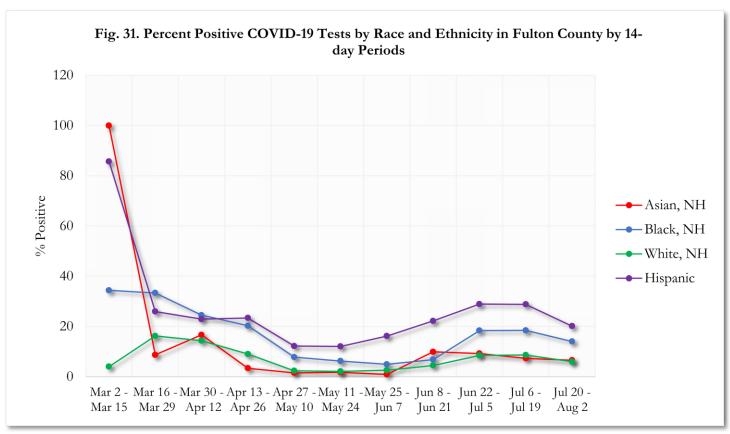
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



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