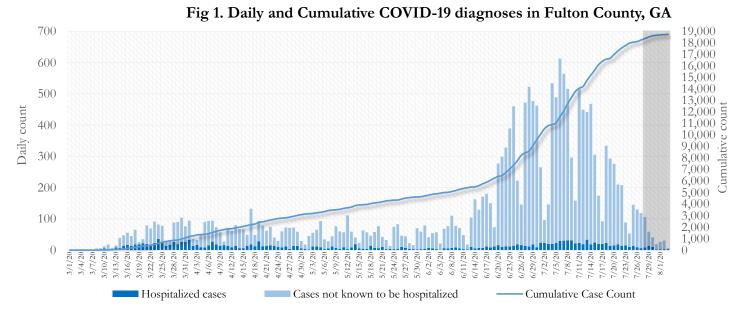


# Fulton County Board of Health Epidemiology Report

COVID-19 Diagnoses – 8/5/2020

#### **SUMMARY**

- As of August 05, 2020, Fulton County has recorded 18,771 cases of the 2019 novel coronavirus (COVID-19) and 407 deaths.
- Of 3,307 **new diagnoses** made between July 16 and July 29, the central portion of the county (Atlanta metro) accounted for 37% while the northern and southern parts accounted for 28% and 21% respectively.
- By city, **new** COVID-19 diagnoses rates range from 151.8 per 100,000 persons (Johns Creek) to 419.8 per 100,000 persons (Union City). [Fulton County Diagnoses Rates (per 100,000 persons): Cumulative 1,764.3; Incident 10.8]. See map showing incident case rate by ZIP code on Pg.4.
- Among all persons diagnosed with COVID-19 in Fulton County, 9.8% required hospitalization and 2.2% 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.



\*Counts shown reflect the number of confirmed cases as of 9:00am on 8/05/20 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.

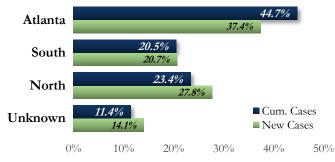
#### DISTRIBUTION OF COVID-19 DIAGNOSES BY REGION

**New cases:** 37% 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	44.7%	37.4%	
North <sup>1</sup>	23.4%	27.8%	
South <sup>2</sup>	20.5%	20.7%	
Unincorporated/Unknown	11.4%	14.1%	

<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 7/16/20 – 7/29/20).

Fig. 2. Distribution of COVID 19 cases by Region

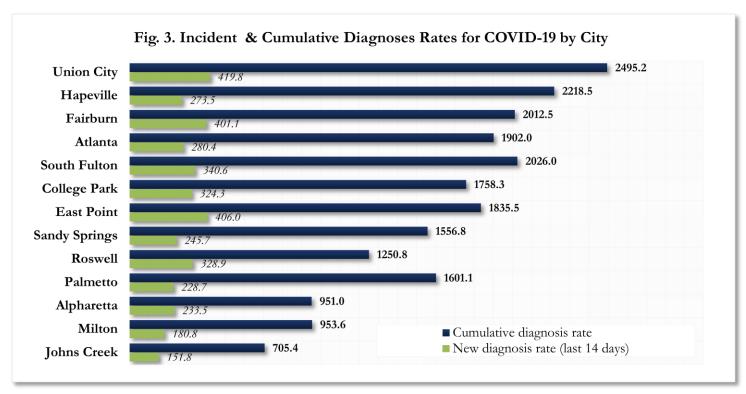


Percent of confirmed cases

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

	Prior (8/03/20)	Current Total (8/05/20)		New	New Cases (Period: $7/01/20 - 7/29/20$ ) <sup>1</sup>			
	Count	Count	0/0	Cum. Rate <sup>2</sup>	<b>Ist 14 d.</b> (7/01–7/15)	<b>Last 14 d.</b> (7/16–7/29)	% change <sup>3</sup>	<b>Rate</b> <sup>4</sup> ( <i>Last 14 d</i> ).
Atlanta	8145	8391	44.7%	1902.0	2512	1237	↓ 50.8%	280.4
South Fulton	1844	1927	10.3%	2026.0	617	324	↓ 47.5%	340.6
Sandy Springs	1577	1641	8.7%	1556.8	423	259	↓ 38.8%	245.7
Roswell	1126	1179	6.3%	1250.8	304	310	† 2.0%	328.9
East Point	617	642	3.4%	1835.5	188	142	↓ 24.5%	406.0
Johns Creek	559	590	3.1%	705.4	171	127	↓ 25.7%	151.8
<b>Union City</b>	508	523	2.8%	2495.2	127	88	↓ 30.7%	419.8
Alpharetta	578	615	3.3%	951.0	186	151	↓ 18.8%	233.5
Milton	350	364	1.9%	953.6	129	69	↓ 46.5%	180.8
Fairburn	285	296	1.6%	2012.5	86	59	↓ 31.4%	401.1
College Park	235	244	1.3%	1758.3	64	45	↓ 29.7%	324.3
Palmetto	68	70	0.4%	1601.1	30	10	↓ 66.7%	228.7
Hapeville	146	146	0.8%	2218.5	30	18	↓ 40.0%	273.5
Mountain Park	2	2	0.0%	320.0	0	<10	-	320.0
Unknown	2731	2141	11.4%	-	736	462	-	-

<sup>1</sup>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. <sup>2</sup>Cumulative diagnosis rate: Population estimates from US Census Bureau used to calculate cumulative diagnoses rate. All rates shown are per 100,000 persons. <sup>3</sup>% 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 <sup>4</sup>(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.

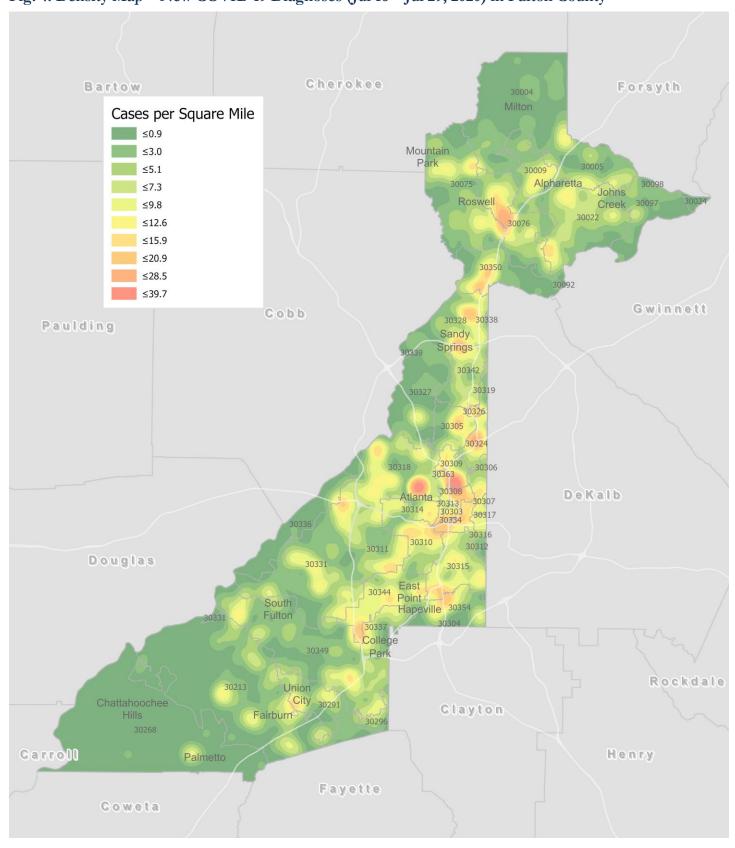


Fig. 4. Density Map - New COVID 19 Diagnoses (Jul 16 - Jul 29, 2020) in Fulton County

<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  $16^{th}$  and  $Jul \ 29^{th}$ , 2020 across Fulton County.

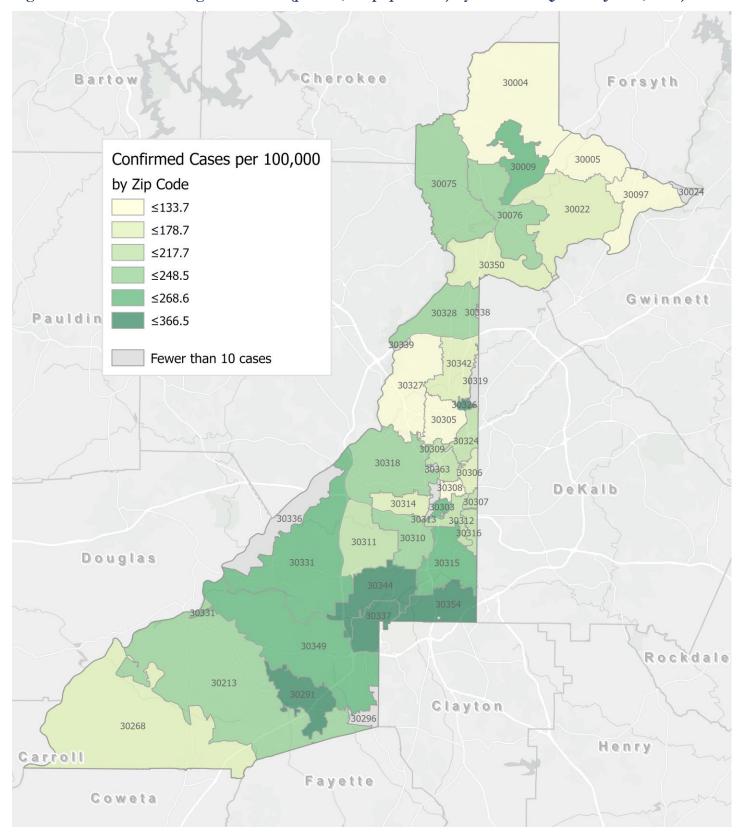


Fig. 5. New COVID-19 Diagnoses Rates (per 100,000 population) by ZIP Code (Jul 16 – Jul 29, 2020)

\*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 (8/03/20)	Current To	tal 8/05/20)		s (Period: 7/01/20 –	- 7/29/20)¹
	Count	Count	0/0	<b>1st 14 days</b> (Jul 1 – Jul 15)	<b>Last 14 d.</b> (Jul 16 – Jul 29)	% change <sup>2</sup>
All Fulton	18119	18771	100.0%	5607	3307	↓ 41.0%
30331	1210	1257	6.7%	380	209	↓ 45.0%
30318	1105	1135	6.0%	352	184	J 47.7%
30349	1187	1238	6.6%	414	237	J 42.8%
30213	700	720	3.8%	209	135	↓ 35.4%
30315	530	548	2.9%	145	110	J 24.1%
30344	565	589	3.1%	168	137	↓ 18.5%
30311	527	549	2.9%	149	103	↓ 30.9%
30342	789	821	4.4%	231	96	↓ 58.4%
30314	415	426	2.3%	94	52	J 44.7%
30310	522	537	2.9%	127	76	↓ 40.2%
30308	337	349	1.9%	116	46	↓ 60.3%
30022	626	656	3.5%	205	155	J 24.4%
30327	323	330	1.8%	80	29	↓ 63.8%
30004	540	562	3.0%	201	119	↓ 40.8%
30309	554	565	3.0%	172	76	↓ 55.8%
30076	507	538	2.9%	146	156	↑ 6.8%
30291	538	553	2.9%	121	94	↓ 22.3%
30350	360	379	2.0%	62	77	↑ 24.2%
30075	596	621	3.3%	169	155	↓ 8.3%
30328	508	529	2.8%	162	103	↓ 36.4%
30316	280	289	1.5%	109	62	↓ 43.1%
30312	601	616	3.3%	155	77	↓ 50.3%
30005	273	291	1.6%	88	62	↓ 29.5%
30305	525	537	2.9%	154	56	↓ 63.6%
30306	218	228	1.2%	87	33	↓ 62.1%
30324	633	642	3.4%	209	67	↓ 67.9%
30337	220	228	1.2%	59	44	↓ 25.4%
30009	225	241	1.3%	74	65	J 12.2%
30313	112	117	0.6%	35	14	↓ 60.0%
30326	153	159	0.8%	44	24	↓ 45.5%
30097	126	134	0.7%	31	31	· -
30354	298	305	1.6%	85	57	↓ 32.9%
30303	338	346	1.8%	200	67	↓ 66.5%
30339	194	202	1.1%	97	38	↓ 60.8%
30268	115	119	0.6%	54	26	↓ 51.9%
30307	111	119	0.6%	42	28	↓ 33.3%
30319	89	94	0.5%	16	<10	↓ 50.0%
30336	67	71	0.4%	19	10	↓ 47.4%
30296	31	32	0.2%	<10	<10	-
30363	49	49	0.3%	21	<10	↓ 76.2%
30301	<10	<10	<0.1%	<10	0	↓ 100.0%
30345	30	30	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	-
30139	-	-	-	0	0	-
30321	<10	<10	<0.1%	<10	0	↓ 100.0%

30340	28	31	0.2%	<10	<10	-
30341	31	32	0.2%	<10	<10	-
30358	<10	<10	<0.1%	0	<10	-
30374	31	32	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	13	<0.1%	<10	<10	-
30338	105	109	0.6%	47	35	↓ 25.5%
Unknown	1385	752	4.0%	230	117	-

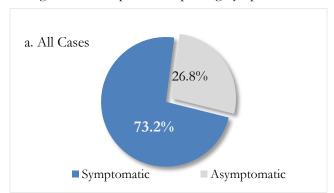
New cases: Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. Percent change: These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

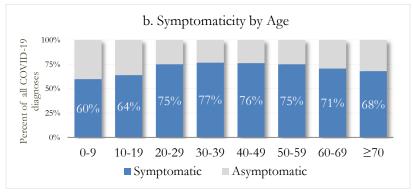
Note: Sharp increases in territorial COVID case counts often reflect new cases diagnosed at long term care facilities located in those territories during facility-wide /mass screening events All data reported are preliminary and subject to change.

#### 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

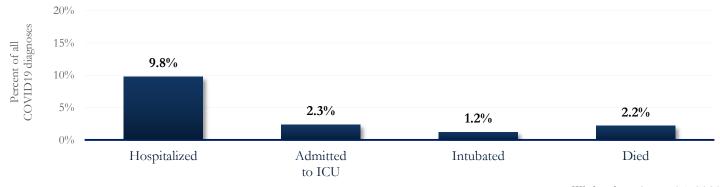




\*\*\*COVID-19 cases who have been case interviewed or had medical charts reviewed as at 8/05/20 only\*\*\*

#### 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

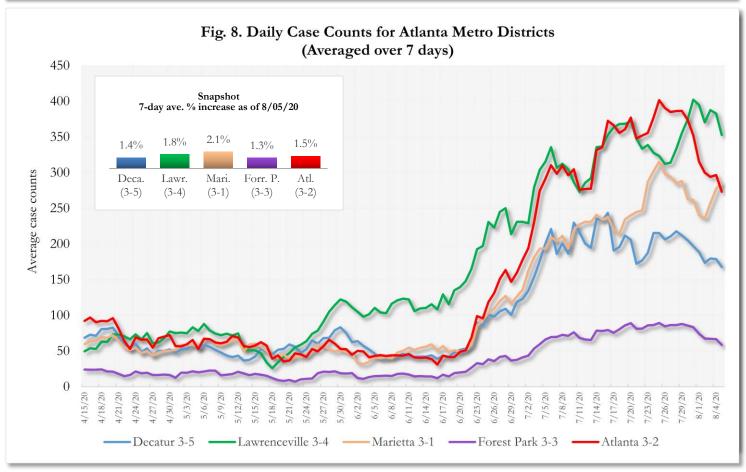
		North Fulton Cities <sup>1</sup> Count (%)	Atlanta Count (%)	South Fulton Cities <sup>2</sup> Count (%)	Unknown City Count (%)	All Fulton Count (%)
Total	COVID-19 cases	4391	8391	3848	2141	18771
Gende	er: Female	2142 (48.8%)	3939 (46.9%)	2070 (53.8%)	1041 (48.6%)	9192 (49.0%)
	Male	2038 (46.4%)	3828 (45.6%)	1551 (40.3%)	966 (45.1%)	8383 (44.7%)
	Unknown	211 (4.8%)	624 (7.4%)	227 (5.9%)	134 (6.3%)	1196 (6.4%)
Age:	0-9	126 (2.9%)	130 (1.5%)	93 (2.4%)	54 (2.5%)	403 (2.1%)
	10-19	531 (12.1%)	485 (5.8%)	229 (6.0%)	131 (6.1%)	1376 (7.3%)
	20-29	1007 (22.9%)	2409 (28.7%)	765 (19.9%)	571 (26.7%)	4752 (25.3%)
	30-39	711 (16.2%)	1839 (21.9%)	760 (19.8%)	461 (21.5%)	3771 (20.1%)
	40-49	695 (15.8%)	1107 (13.2%)	699 (18.2%)	336 (15.7%)	2837 (15.1%)
	50-59	612 (13.9%)	941 (11.2%)	551 (14.3%)	257 (12.0%)	2361 (12.6%)
	60-69	352 (8.0%)	642 (7.7%)	386 (10.0%)	156 (7.3%)	1536 (8.2%)
	≥70	352 (8.0%)	819 (9.8%)	355 (9.2%)	169 (7.9%)	1695 (9.0%)
	Unknown	<10	19 (0.2%)	10 (0.3%)	<10	40 (0.2%)
Race:	Asian, NH	103 (2.3%)	104 (1.2%)	13 (0.3%)	31 (1.4%)	251 (1.3%)
	Black, NH	431 (9.8%)	3462 (41.3%)	2144 (55.7%)	575 (26.9%)	6612 (35.2%)
	White, NH	1172 (26.7%)	1342 (16.0%)	137 (3.6%)	371 (17.3%)	3022 (16.1%)
	Hispanic	698 (15.9%)	452 (5.4%)	222 (5.8%)	222 (10.4%)	1594 (8.5%)
	Other, NH	167 (3.8%)	209 (2.5%)	63 (1.6%)	77 (3.6%)	516 (2.7%)
	Unknown	1820 (41.4%)	2822 (33.6%)	1269 (33.0%)	865 (40.4%)	6776 (36.1%)

## 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	71	197	103	36	407
Gender: Female	28 (39.4%)	83 (42.1%)	56 (54.4%)	22 (61.1%)	189 (46.4%)
Male	43 (60.6%)	114 (57.9%)	47 (45.6%)	14 (38.9%)	218 (53.6%)
Unknown	0	0	0	0	0
<b>Age:</b> ≤ 29	0	<10	<10	0	<10
30-39	<10	<10	<10	0	<10
40-49	<10	<10	<10	0	12 (2.9%)
50-59	<10	14 (7.1%)	11 (10.7%)	<10	29 (7.1%)
60-69	<10	38 (19.3%)	26 (25.2%)	<10	75 (18.4%)
≥70	56 (78.9%)	134 (68.0%)	60 (58.3%)	31 (86.1%)	281 (69.0%)
Unknown	0	0	0	0	0
Race: Asian, NH	0	<10	0	<10	<10
Black, NH	13 (18.3%)	165 (83.8%)	90 (87.4%)	19 (52.8%)	287 (70.5%)
White, NH	53 (74.6%)	22 (11.2%)	<10	14 (38.9%)	98 (24.1%)
Hispanic	<10	<10	<10	<10	13 (3.2%)
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.

# COVID-19 CASE TRENDS IN FULTON AND SURROUNDING DISTRICTS

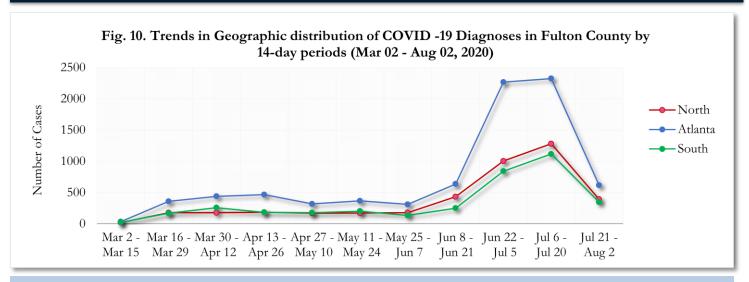


<sup>\*</sup>Graph shows the average number of cases calculated from the daily cumulative case counts in the metro Atlanta districts. Increases in daily cumulative case counts may include cases diagnosed earlier during the pandemic but were only recently reported to the state as cases diagnosed belonging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

Hall Forsyth Bartow Cherokee Jackson P61k Barrow Cobb Paulding Gwinnett Oconee Clarkston Stor Walton **Fulton** DeKalb Douglas Rockdale Morgan Riverdale Clayton Newton Carroll Henry Favette Cases per Square Mile **Health Districts** ≤0.9 ≤3.1 Jasper ≤5.5 Spalding 3-4 ≤8.1 3-1 ≤10.9 3-5 ≤14.1 ≤17.9 ≤23.9 Troup ≤32.7 Jones Pike Ionroe ≤47.2 4.Upson

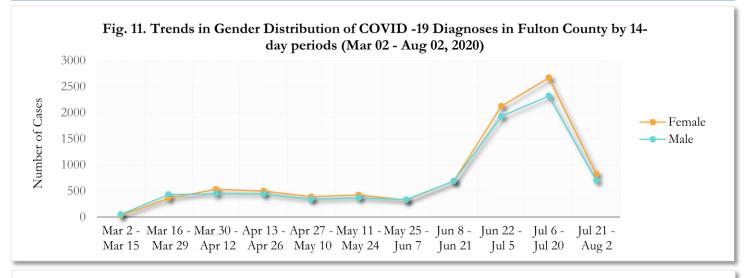
Fig. 9. COVID-19 Cases in Fulton County and Surrounding Districts (Jul 16 - Jul 29, 2020)

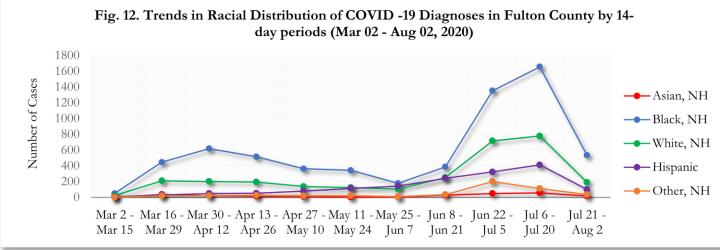
#### TRENDS IN COVID-19 CASES AMONG DEMOGRAPHIC GROUPS (14 DAY PERIODS)



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

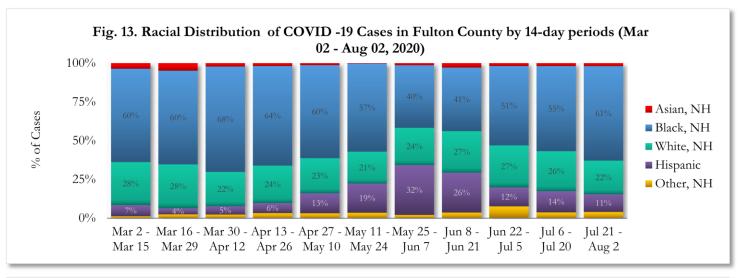
<sup>\*</sup>South - Includes all Fulton cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, and Union City)

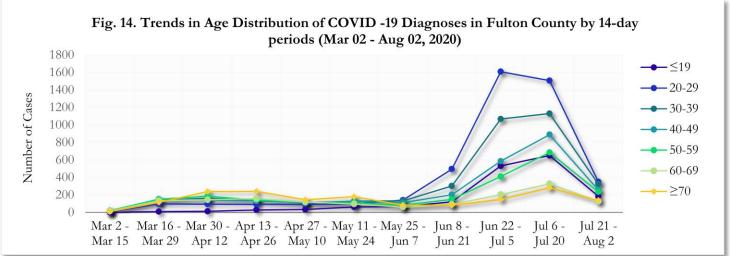




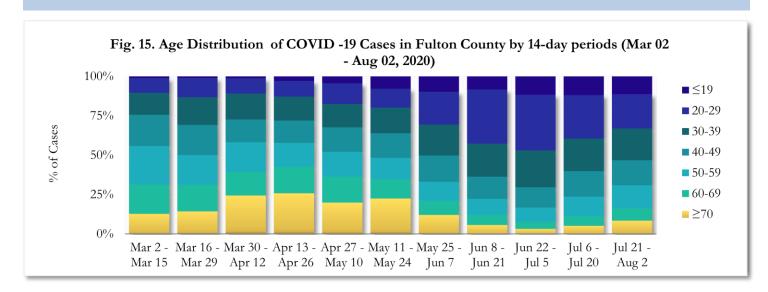
About 30% of COVID cases are missing data on patient race and ethnicity. Of cases with race and ethnicity reported, majority are Black non-Hispanic, followed by a smaller number of cases reporting White (non-Hispanic and Hispanic) race.

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

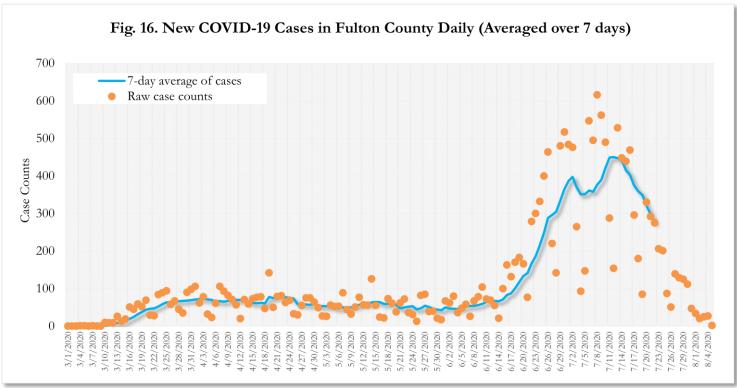




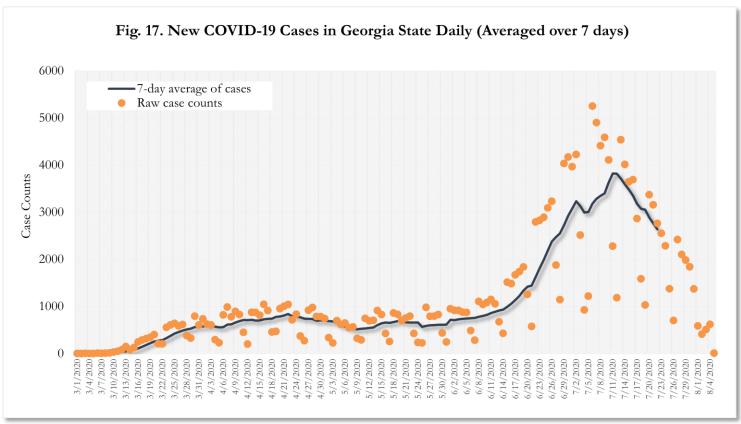
Earlier (March-May 2020) large proportions of reported cases were among persons aged 60 and older. However, starting in June, a much higher number of cases were among persons aged between 20-29 years.



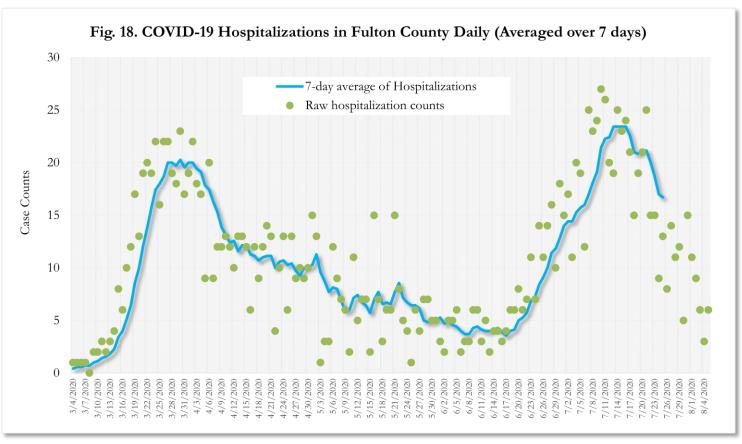
## TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)



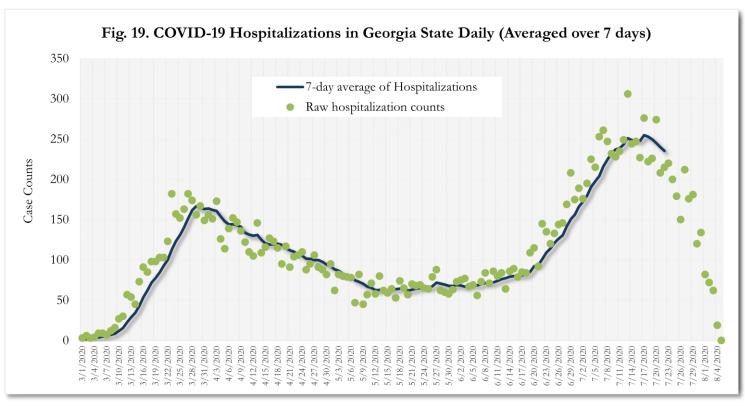
<sup>\*</sup>Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend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



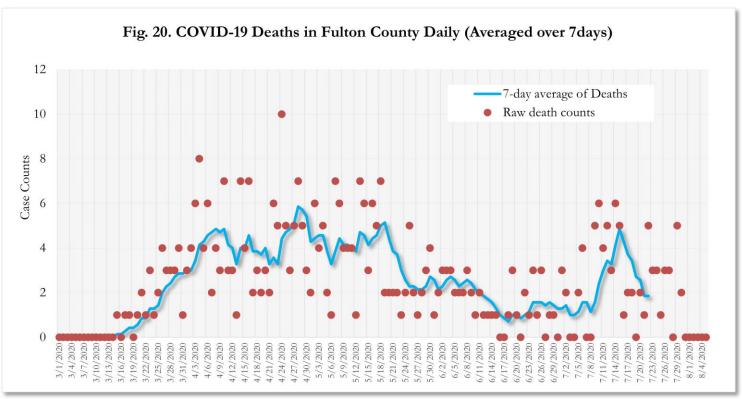
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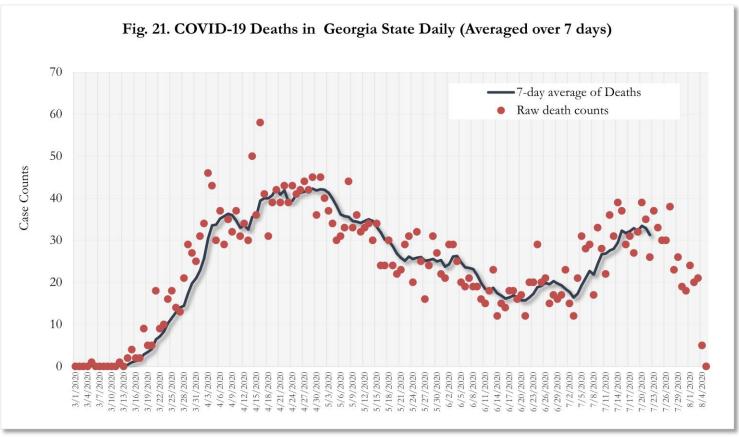
<sup>\*</sup>Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported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

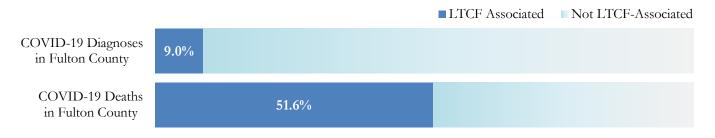


<sup>\*</sup>Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

#### 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>

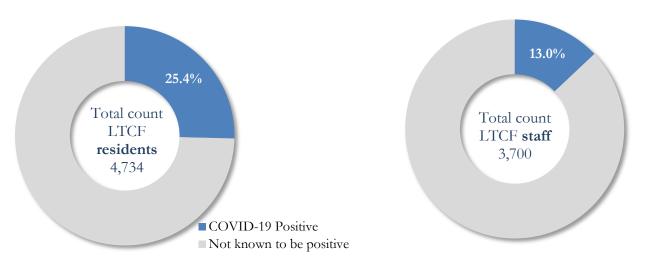
Fig. 22. COVID-19 Diagnoses and Deaths in Fulton County Associated with Long-Term Care Facilities



<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

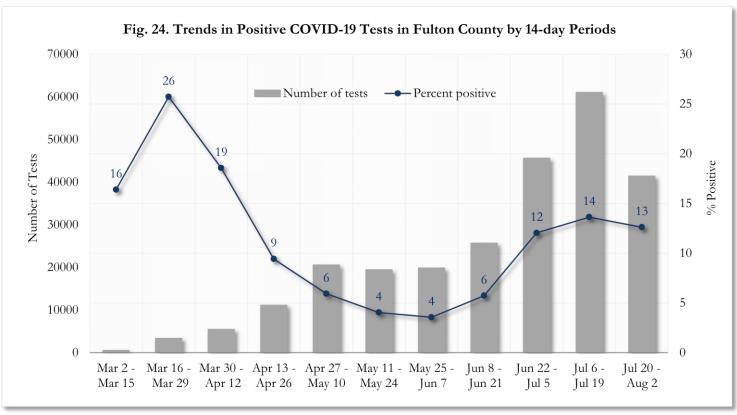


COVID-19 Cases, Hospitalizations, and Deaths among 59 reporting Long-Term Care Facilities in Fulton County

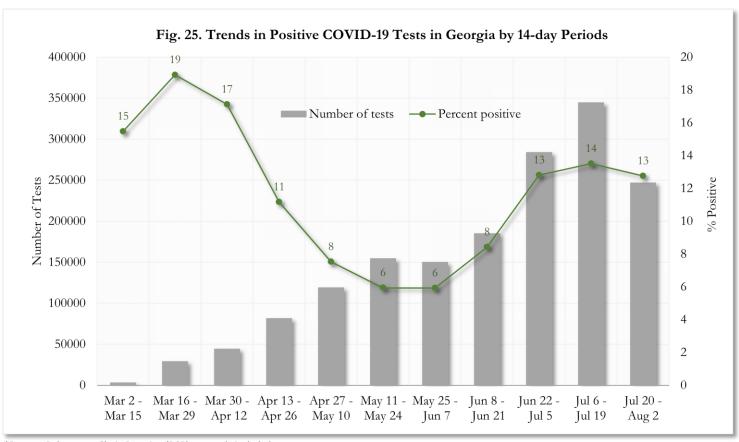
	LT	CF Residents (n=4,7	731)	<b>LTCF Staff</b> (n=3,699)			
	Cases	Hospitalizations	Deaths	Cases	Hospitalizations	Deaths	
Average (count per fac.) <sup>1</sup>	20	5	4	8	1	< 0.1	
Median (count per fac.)1	8	2	0	4	0	0	
Lowest counts	1	0	0	0	0	0	
Highest counts	136	48	29	53	8	1	
Total Count	1202 (25.4%) <sup>a</sup>	284 (23.6%) <sup>b</sup>	208 (17.3%) <sup>b</sup>	480 (13.0%) <sup>a</sup>	30 (6.3%) <sup>b</sup>	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.

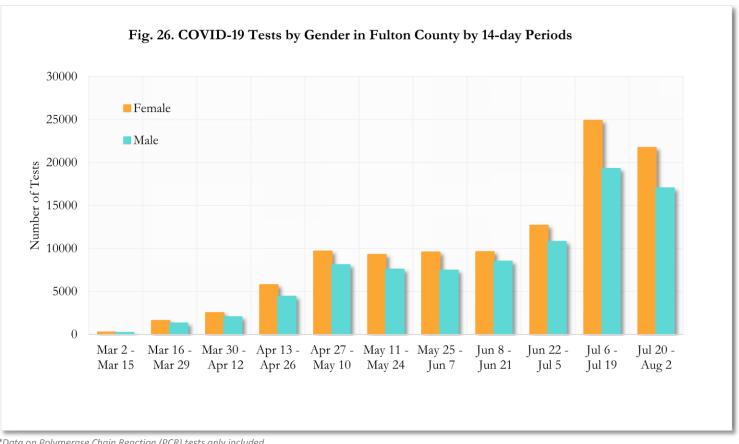
# **COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY**



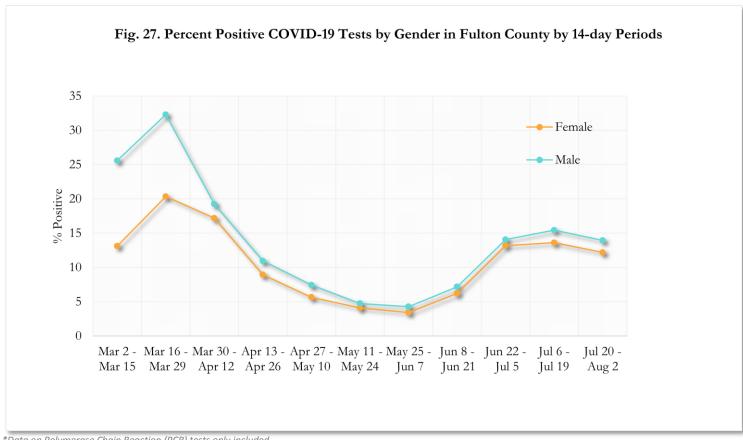
\*Data on Polymerase Chain Reaction (PCR) tests only included.



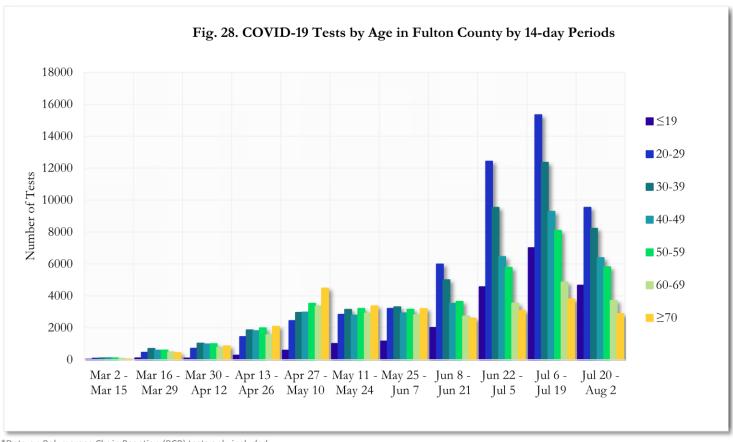
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



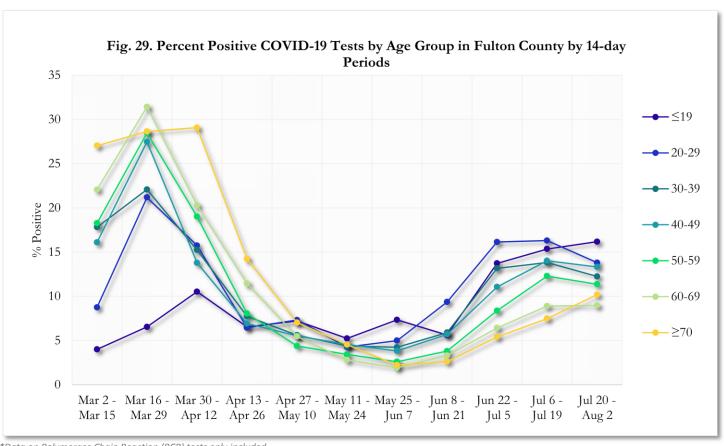
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



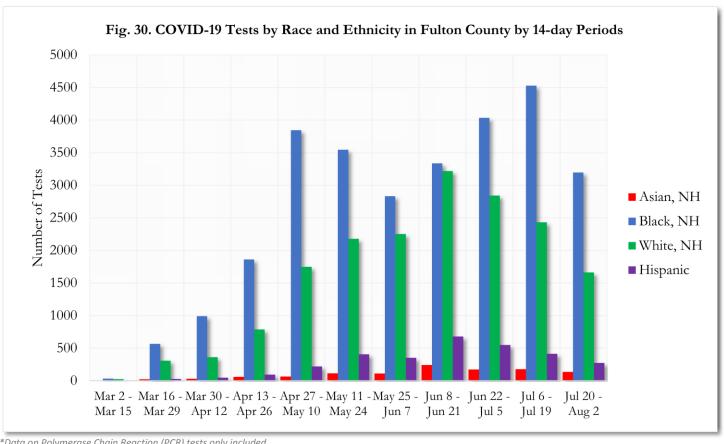
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



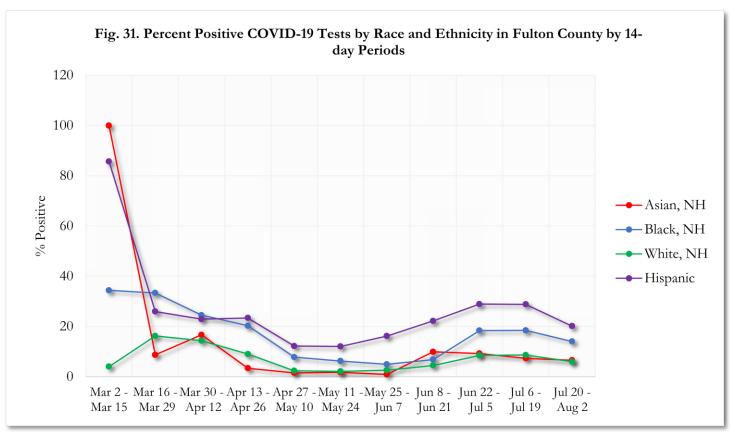
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



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