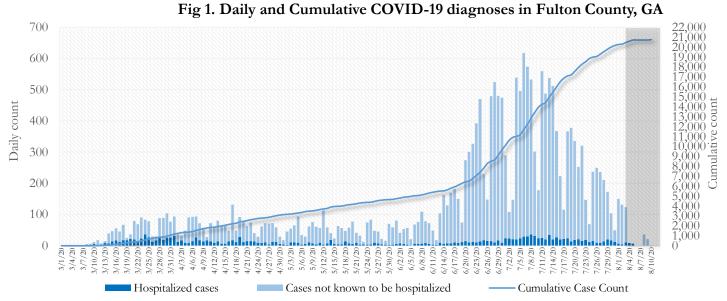


## Fulton County Board of Health Epidemiology Report

COVID-19 Diagnoses - 8/12/2020

#### **SUMMARY**

- As of August 12, 2020, Fulton County has recorded **21,057** cases of the 2019 novel coronavirus (COVID-19) and **458** deaths.
- Of 2,765 **new diagnoses** made between July 23 and August 5, the central portion of the county (Atlanta metro) accounted for 37% while the northern and southern parts accounted for 29% and 21% respectively.
- By city, **new** COVID-19 diagnoses rates range from 143.5 per 100,000 persons (Johns Creek) to 373.9 per 100,000 persons (Fairburn). [Fulton County Diagnoses Rates (per 100,000 persons): Cumulative 1979.2; Incident –259.9]. 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 2.2% 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 8/12/20 using the date of first positive sample collection. Where date of sample collection was not available or missing, the date of report creation in GA SENDSS was used instead. **Note:** All data reported are preliminary and subject to change. Delays in data reporting may cause changes in data counts, particularly in the shaded portion.

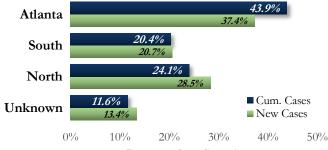
### DISTRIBUTION OF COVID-19 DIAGNOSES BY REGION

**New cases:** 37% of the new COVID-19 cases diagnosed in the past 2 weeks occurred in Atlanta while 29% and 21% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative	% New	
Tulion Region	count	cases*	
Atlanta	43.9%	37.4%	
North <sup>1</sup>	24.1%	28.5%	
South <sup>2</sup>	20.4%	20.7%	
Unincorporated/Unknown	11.6%	13.4%	

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 7/23/20 – 8/5/20).

Fig. 2. Distribution of COVID 19 cases by Region

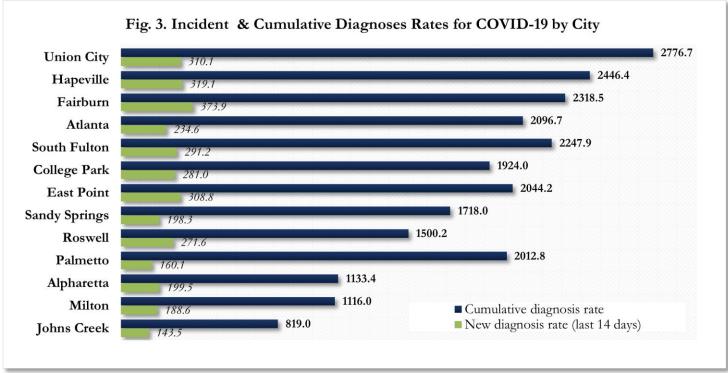


Percent of confirmed cases

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

	Prior (8/10/20)	Current Total (8/12/20)			New	New Cases (Period: 7/08/20 – 8/05/20) <sup>1</sup>			
	Count	Count	%	Cum. Rate <sup>2</sup>	1 <sup>st</sup> 14 d. (7/8– 7/22)	Last 14 d. (7/23-8/5)	% change <sup>3</sup>	Rate <sup>4</sup> (Last 14 d).	
Atlanta	8749	9250	43.9%	2096.7	2353	1035	↓ 56.0%	234.6	
South Fulton	1997	2138	10.2%	2247.9	614	277	↓ 54.9%	291.2	
Sandy Springs	1687	1811	8.6%	1718.0	433	209	↓ 51.7%	198.3	
Roswell	1253	1414	6.7%	1500.2	432	256	↓ 40.7%	271.6	
East Point	662	715	3.4%	2044.2	187	108	↓ 42.2%	308.8	
Johns Creek	628	685	3.3%	819.0	199	120	↓ 39.7%	143.5	
Union City	547	582	2.8%	2776.7	146	65	↓ 55.5%	310.1	
Alpharetta	647	733	3.5%	1133.4	234	129	↓ 44.9%	199.5	
Milton	381	426	2.0%	1116.0	123	72	↓ 41.5%	188.6	
Fairburn	319	341	1.6%	2318.5	90	55	↓ 38.9%	373.9	
College Park	253	267	1.3%	1924.0	70	39	↓ 44.3%	281.0	
Palmetto	78	88	0.4%	2012.8	31	<10	↓ 77.4%	160.1	
Hapeville	152	161	0.8%	2446.4	22	21	↓ 4.5%	319.1	
Mountain Park	2	5	0.0%	800.0	<10	<10	↓ 50.0%	160.0	
Chattahooche Hills	0	0	0.0%	-	-	-	-	-	
Unknown	3094	2441	11.6%	-	790	368	-	-	

\*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.

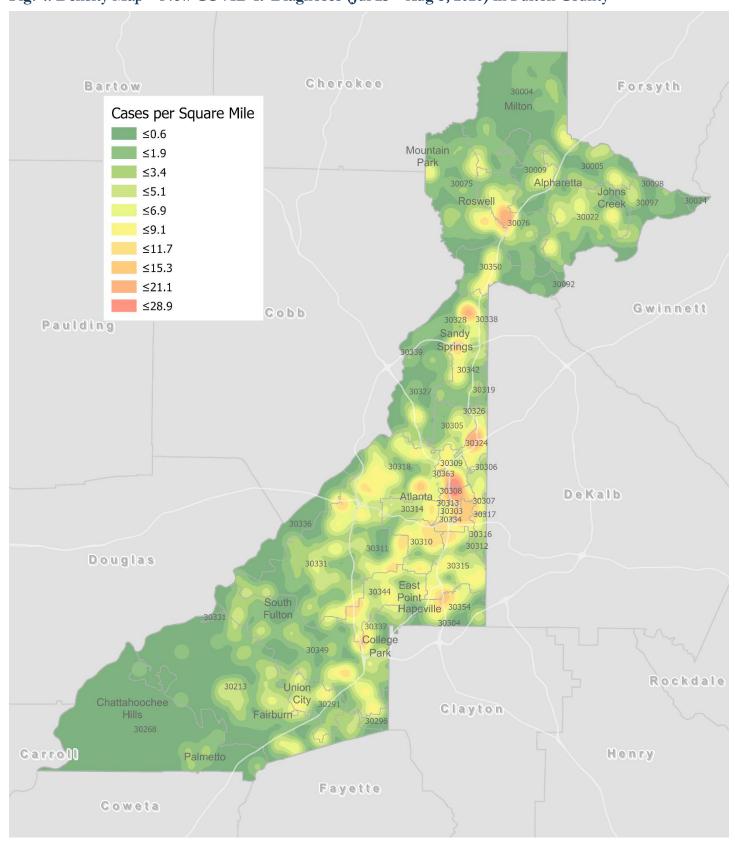


Fig. 4. Density Map - New COVID 19 Diagnoses (Jul 23 - Aug 5, 2020) in Fulton County

<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  $23^{rd}$  and  $Aug 5^{th}$ , 2020 across Fulton County.

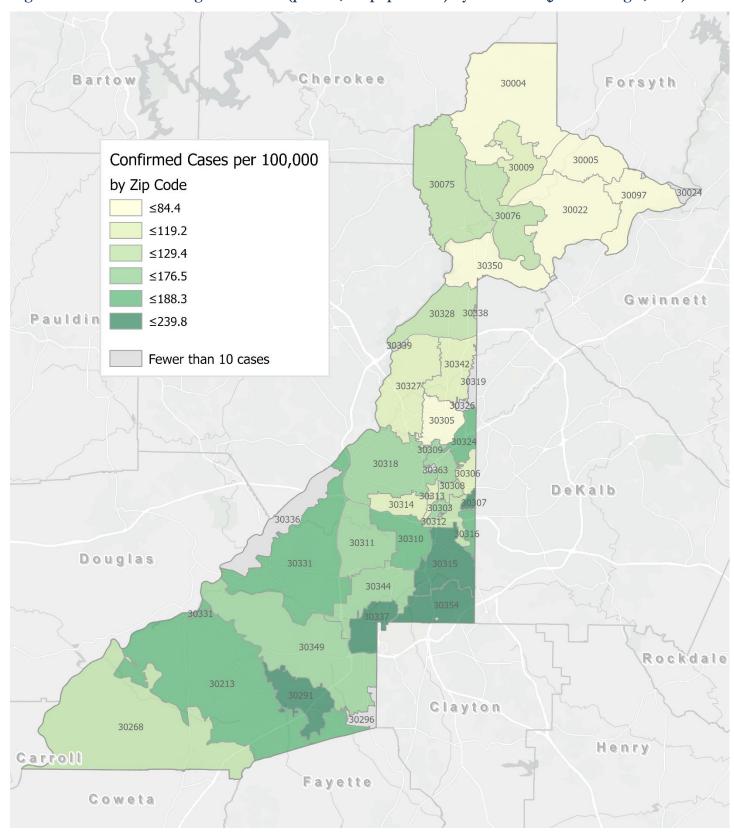


Fig. 5. New COVID-19 Diagnoses Rates (per 100,000 population) by ZIP Code (Jul 23 – Aug 5, 2020)

\*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 (8/10/20)	Current Total (8/12/20)		New Cases	New Cases (Period: 7/08/20 – 8/05/20) <sup>1</sup>			
	Count	Count	%	1st 14 days	Last 14 d.	% change <sup>2</sup>		
All Fulton	20499	21057	100.0%	(Jul 8 – Jul 22) 5732	(Jul 23 – Aug 5) 2765	↓ 51.8%		
30331	1353	1394	6.6%	381	171	↓ 55.1%		
30318	1246	1275	6.1%	345	158	↓ 54.2%		
30349	1368	1419	6.7%	429	214	↓ 54.27° ↓ 50.1%		
30213	793	816	3.9%	231	121	↓ 47.6%		
30315	618	634	3.0%	155	108	↓ 30.3%		
30344	635	655	3.1%	175	99	↓ 43.4%		
30311	609	628	3.0%	152	101	↓ 33.6%		
30342	878	895	4.3%	233	79	↓ 66.1%		
30314	453	464	2.2%	85	55	↓ 35.3%		
30310	578	585	2.8%	122	73	↓ 40.2%		
30308	369	378	1.8%	112	34	↓ 69.6%		
30022	733	768	3.6%	230	137	↓ 40.4%		
30327	363	378	1.8%	75	34	↓ <del>10.1</del> 70 ↓ 54.7%		
30004	635	661	3.1%	206	113	↓ 45.1%		
30309	603	614	2.9%	144	56	↓ 61.1%		
30076	625	659	3.1%	218	122	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
30291	589	608	2.9%	127	76	↓ 40.2%		
30350	400	414	2.0%	90	55	↓ 38.9%		
30075	693	728	3.5%	217	131	↓ 39.6%		
30328	574	598	2.8%	151	85	↓ 43.7%		
30316	311	316	1.5%	102	46	↓ <del>1</del> 5.776 ↓ 54.9%		
30312	639	653	3.1%	147	40	↓ 72.8%		
30005	327	347	1.6%	103	56	↓ 45.6%		
30305	577	590	2.8%	132	47	↓ 64.4%		
30306	249	254	1.2%	82	25	↓ 69.5%		
30324	704	716	3.4%	141	70	↓ 50.4%		
30337	250	252	1.2%	64	37	↓ 42.2%		
30009	272	281	1.3%	94	53	↓ 43.6%		
30313	122	129	0.6%	26	13	J 50.0%		
30326	170	175	0.8%	42	11	J 73.8%		
30097	151	157	0.7%	55	23	J 58.2%		
30354	332	337	1.6%	68	56	↓ 17.6%		
30303	358	353	1.7%	224	36	↓ 83.9%		
30339	239	246	1.2%	82	42	↓ 48.8%		
30268	129	142	0.7%	62	12	↓ 80.6%		
30307	138	145	0.7%	50	30	↓ 40.0%		
30319	100	102	0.5%	14	<10	↓ 50.0%		
30336	72	73	0.3%	15	<10	J 53.3%		
30296	33	33	0.2%	14	0	↓ 100.0%		
30363	53	53	0.3%	16	<10	↓ 75.0%		
30301	<10	<10	<0.1%	<10	0	↓ 100.0%		
30345	32	33	0.2%	<10	<10	-		
31131	<10	<10	<0.1%	0	<10	-		
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	30	30	0.1%	<10	<10	-		

30341	36	37	0.2%	<10	<10	-
30358	<10	<10	<0.1%	0	<10	-
30374	33	31	0.1%	<10	<10	-
30606	<10	<10	<0.1%	0	0	-
31150	<10	<10	<0.1%	0	0	-
30024	<10	<10	<0.1%	<10	0	↓ 100.0%
30098	-	-	-	0	0	-
30334	14	14	<0.1%	<10	<10	-
30338	129	136	0.6%	51	27	↓ 47.1%
Unknown	1390	797	3.8%	228	81	-

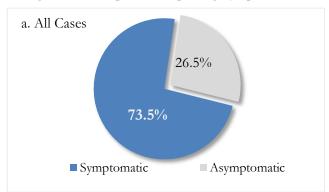
<u>New cases:</u> Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. <u>Percent change: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

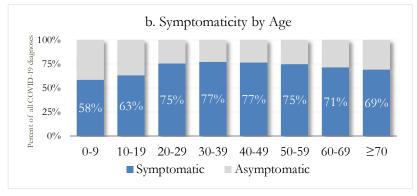
<u>Note:</u> Sharp increases in territorial COVID case counts often reflect new cases diagnosed at long term care facilities located in those territories during facility-wide /mass screening events All data reported are preliminary and subject to change.

#### 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

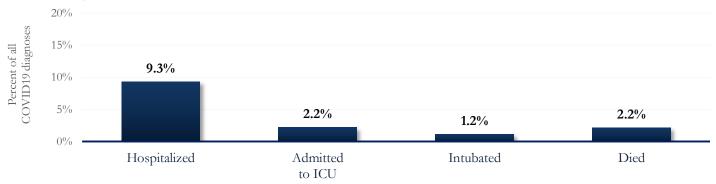




\*\*\*COVID-19 cases who have been case interviewed or had medical charts reviewed as at 8/12/20 only\*\*\*

#### 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

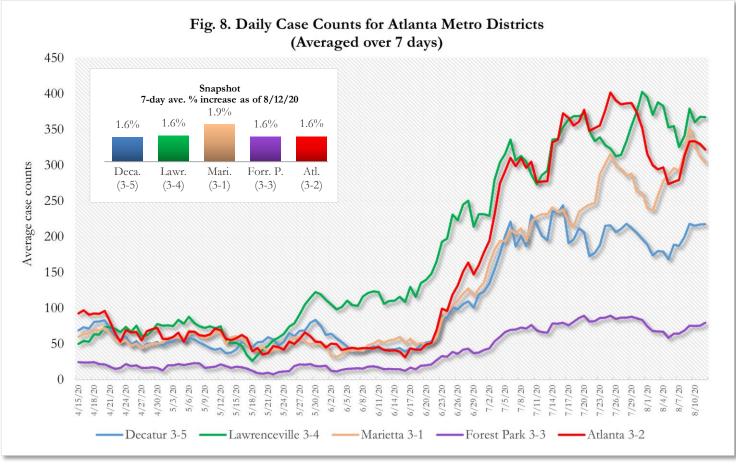
		North Fulton Cities <sup>1</sup>	Atlanta	South Fulton Cities <sup>2</sup>	Unknown City	All Fulton
		Count (%)	Count (%)	Count (%)	Count (%)	Count (%)
Total	COVID-19 cases	5074	9250	4292	2441	21057
Gende	er: Female	2485 (49.0%)	4390 (47.5%)	2329 (54.3%)	1192 (48.8%)	10396 (49.4%)
	Male	2344 (46.2%)	4211 (45.5%)	1725 (40.2%)	1104 (45.2%)	9384 (44.6%)
	Unknown	245 (4.8%)	649 (7.0%)	238 (5.5%)	145 (5.9%)	1277 (6.1%)
Age:	0-9	152 (3.0%)	152 (1.6%)	115 (2.7%)	67 (2.7%)	486 (2.3%)
	10-19	646 (12.7%)	537 (5.8%)	269 (6.3%)	149 (6.1%)	1601 (7.6%)
	20-29	1145 (22.6%)	2652 (28.7%)	857 (20.0%)	620 (25.4%)	5274 (25.0%)
	30-39	829 (16.3%)	2022 (21.9%)	856 (19.9%)	524 (21.5%)	4231 (20.1%)
	40-49	807 (15.9%)	1223 (13.2%)	781 (18.2%)	382 (15.6%)	3193 (15.2%)
	50-59	698 (13.8%)	1037 (11.2%)	609 (14.2%)	307 (12.6%)	2651 (12.6%)
	60-69	400 (7.9%)	704 (7.6%)	421 (9.8%)	187 (7.7%)	1712 (8.1%)
	≥70	391 (7.7%)	902 (9.8%)	372 (8.7%)	198 (8.1%)	1863 (8.8%)
	Unknown	<10	21 (0.2%)	12 (0.3%)	<10	46 (0.2%)
Race:	Asian, NH	111 (2.2%)	113 (1.2%)	13 (0.3%)	38 (1.6%)	275 (1.3%)
	Black, NH	462 (9.1%)	3775 (40.8%)	2324 (54.1%)	648 (26.5%)	7209 (34.2%)
	White, NH	1302 (25.7%)	1452 (15.7%)	145 (3.4%)	418 (17.1%)	3317 (15.8%)
	Hispanic	757 (14.9%)	486 (5.3%)	252 (5.9%)	231 (9.5%)	1726 (8.2%)
	Other, NH	183 (3.6%)	230 (2.5%)	68 (1.6%)	87 (3.6%)	568 (2.7%)
	Unknown	2259 (44.5%)	3194 (34.5%)	1490 (34.7%)	1019 (41.7%)	7962 (37.8%)

#### 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	80	220	119	39	458
Gender: Female	33 (41.3%)	95 (43.2%)	64 (53.8%)	23 (59.0%)	215 (46.9%)
Male	47 (58.8%)	125 (56.8%)	55 (46.2%)	16 (41.0%)	242 (52.8%)
Unknown	0	0	0	0	<10
<b>Age:</b> ≤ 29	0	<10	<10	0	<10
30-39	<10	<10	<10	0	<10
40-49	<10	<10	<10	<10	17 (3.7%)
50-59	<10	16 (7.3%)	14 (11.8%)	<10	35 (7.6%)
60-69	<10	43 (19.5%)	32 (26.9%)	<10	88 (19.2%)
≥70	62 (77.5%)	148 (67.3%)	64 (53.8%)	32 (82.1%)	306 (66.8%)
Unknown	0	0	0	0	0
Race: Asian, NH	0	<10	<10	<10	<10
Black, NH	15 (18.8%)	183 (83.2%)	104 (87.4%)	21 (53.8%)	323 (70.5%)
White, NH	60 (75.0%)	26 (11.8%)	10 (8.4%)	15 (38.5%)	111 (24.2%)
Hispanic	<10	<10	<10	<10	14 (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

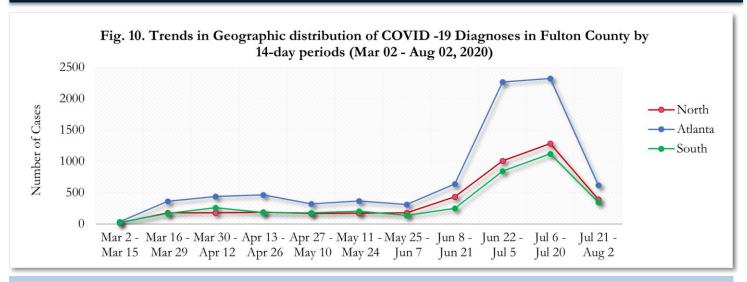


<sup>\*</sup>Graph shows the average number of cases calculated from the daily cumulative case counts in the metro Atlanta districts. Increases in daily cumulative case counts may include cases diagnosed earlier during the pandemic but were only recently reported to the state as cases diagnosed belonging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

Hall Forsyth Bartow Cherokee Jackson P61K Barrow Paulding Gwinnett -Oconee anville Walton DeKalb Douglas Rockdale Morgan Clayton Newton Carroll Henry Favette Cases per Square Mile **Health Districts** ≤1.8 ≤4.1 Jasper ≤6.3 Spalding 3-4 ≤8.7 3-1 ≤11.5 3-5 ≤15.0 ≤19.2 ≤25.9 Troup ≤36.3 Pike Jones Ionroe ≤51.6

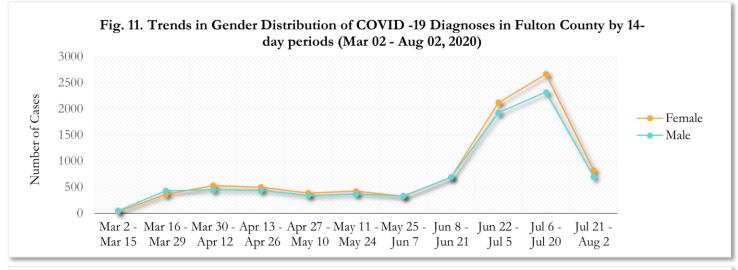
Fig. 9. COVID-19 Cases in Fulton County and Surrounding Districts (Jul 23 - Aug 5, 2020)

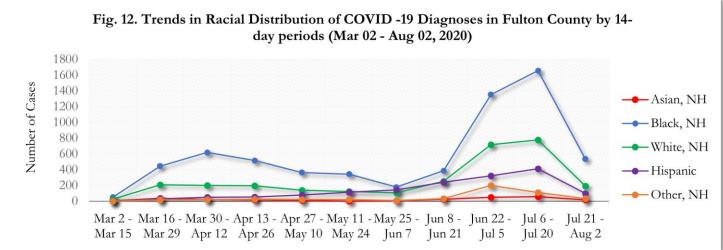
#### TRENDS IN COVID-19 CASES AMONG DEMOGRAPHIC GROUPS (14 DAY PERIODS)



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

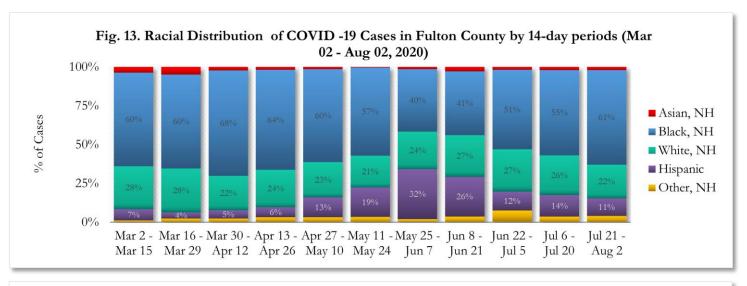
<sup>\*</sup>South - Includes all Fulton cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, and Union City)

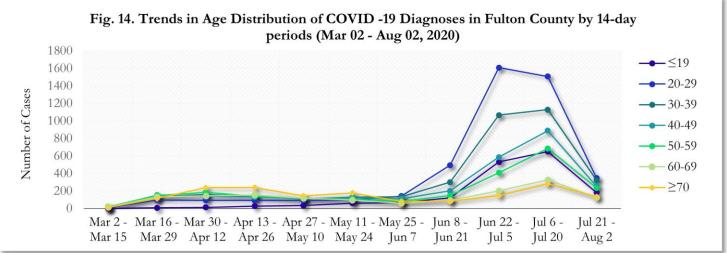




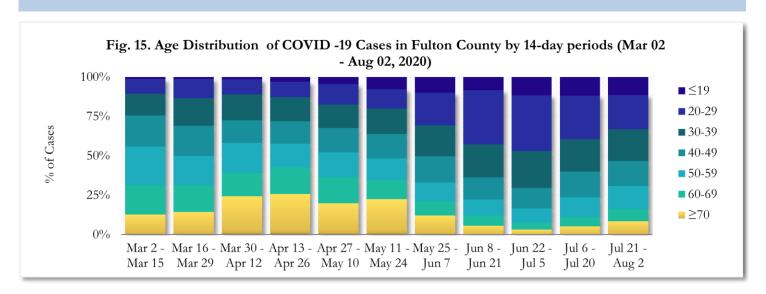
About 30% of COVID cases are missing data on patient race and ethnicity. Of cases with race and ethnicity reported, majority are Black non-Hispanic, followed by a smaller number of cases reporting White (non-Hispanic and Hispanic) race.

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

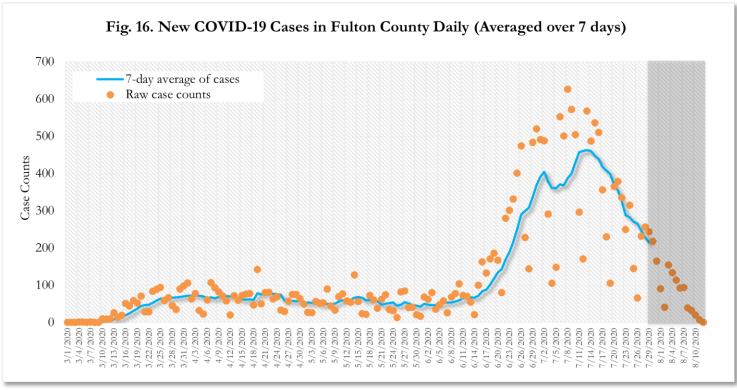




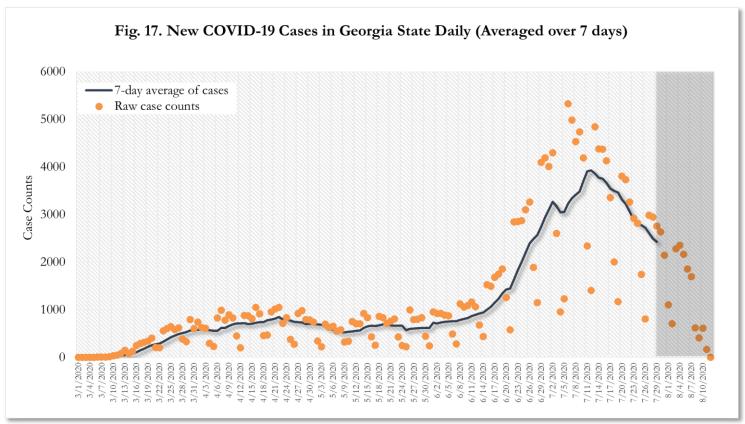
Earlier (March-May 2020) large proportions of reported cases were among persons aged 60 and older. However, starting in June, a much higher number of cases were among persons aged between 20-29 years.



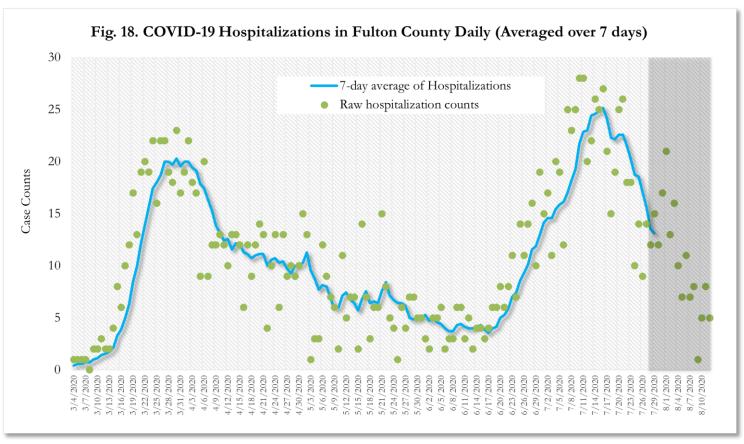
## TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)



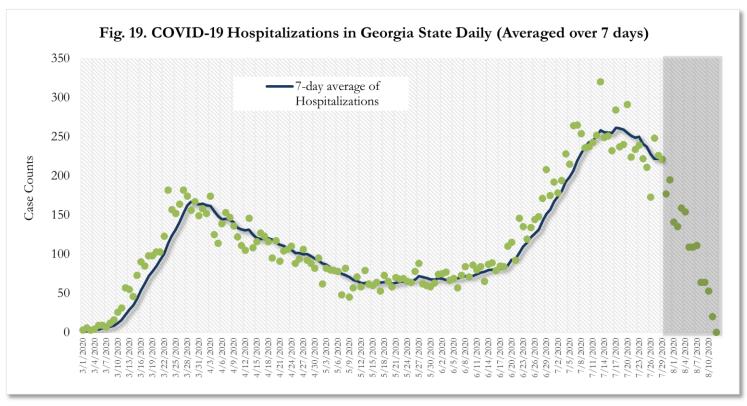
<sup>\*</sup>Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend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



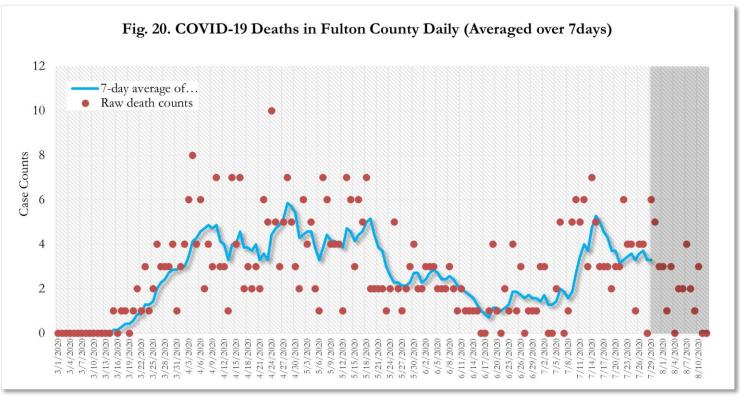
<sup>\*</sup>Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend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



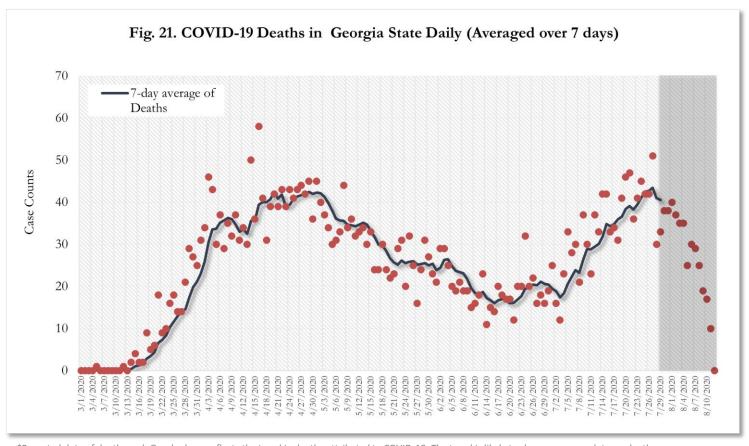
<sup>\*</sup>Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported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

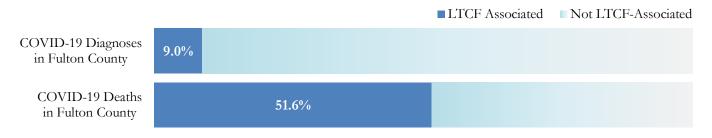


<sup>\*</sup>Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

#### **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>

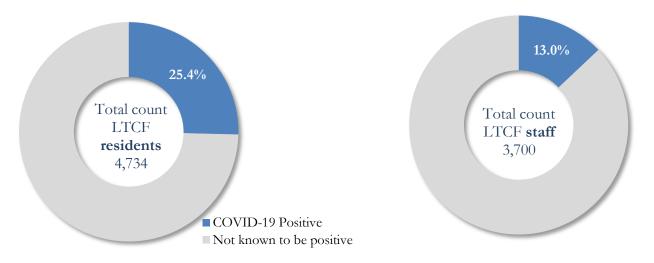
Fig. 22. COVID-19 Diagnoses and Deaths in Fulton County Associated with Long-Term Care Facilities



\*\*\*LTCF → 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

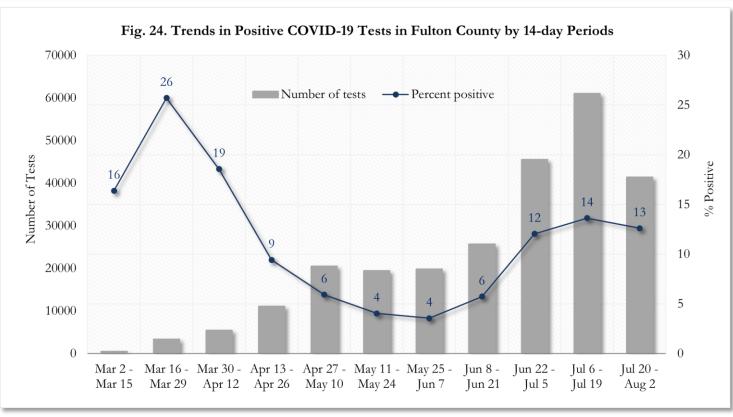


COVID-19 Cases, Hospitalizations, and Deaths among 59 reporting Long-Term Care Facilities in Fulton County

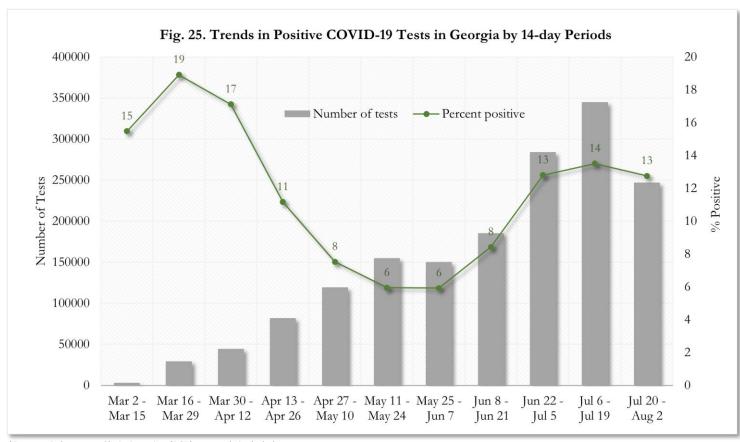
	LT	CF Residents (n=4,	731)	<b>LTCF Staff</b> (n=3,699)		
	Cases	Hospitalizations	Deaths	Cases	Hospitalizations	Deaths
Average (count per fac.)1	20	5	4	8	1	< 0.1
Median (count per fac.)1	8	2	0	4	0	0
Lowest counts	1	0	0	0	0	0
Highest counts	136	48	29	53	8	1
Total Count	1202 (25.4%) <sup>a</sup>	284 (23.6%)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

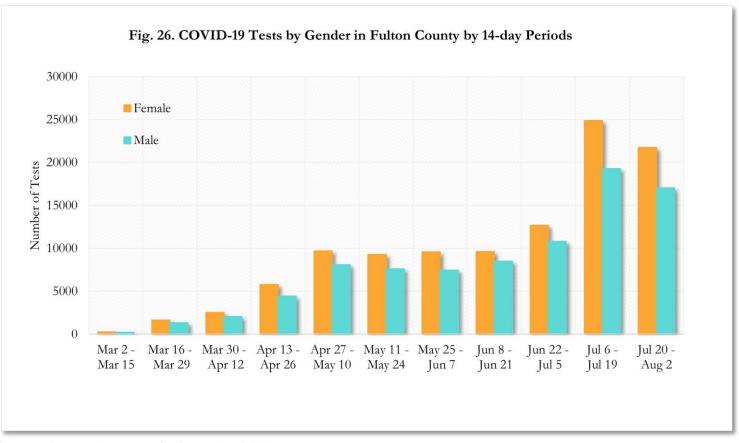
## **COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY**



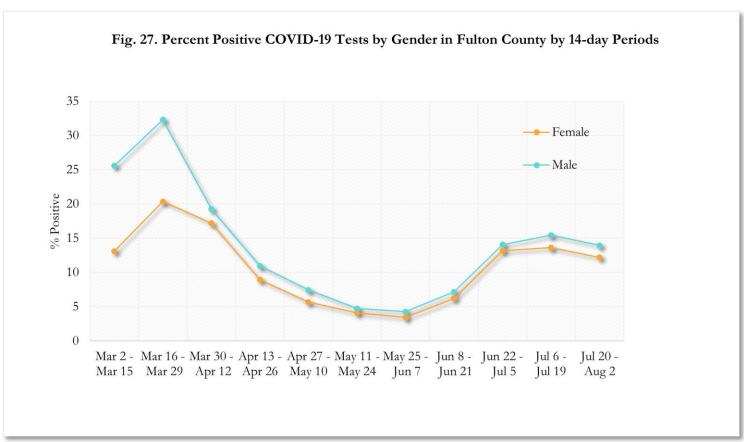
\*Data on Polymerase Chain Reaction (PCR) tests only included.



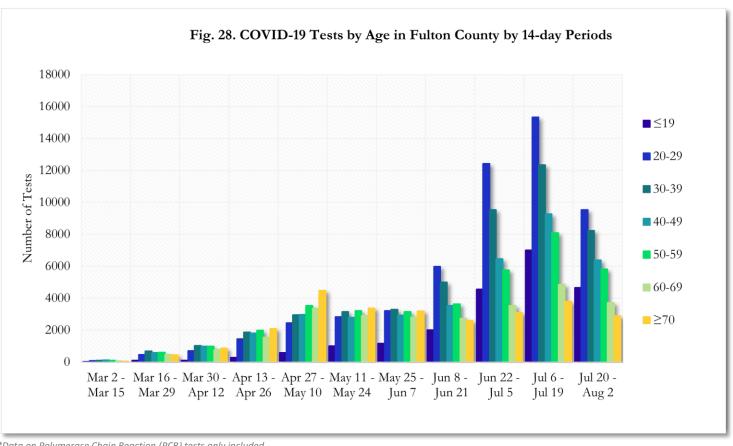
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



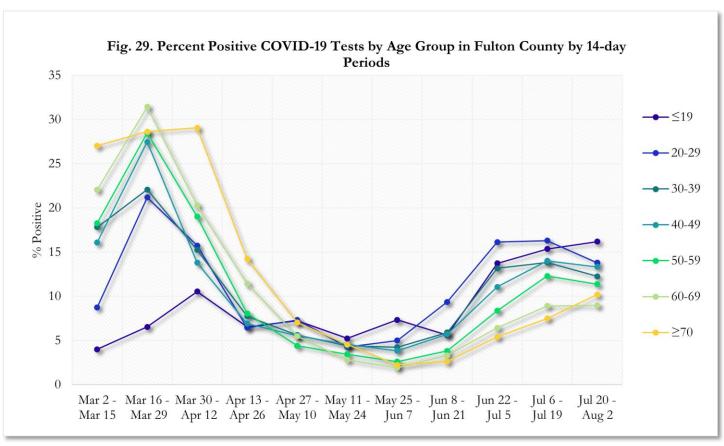
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



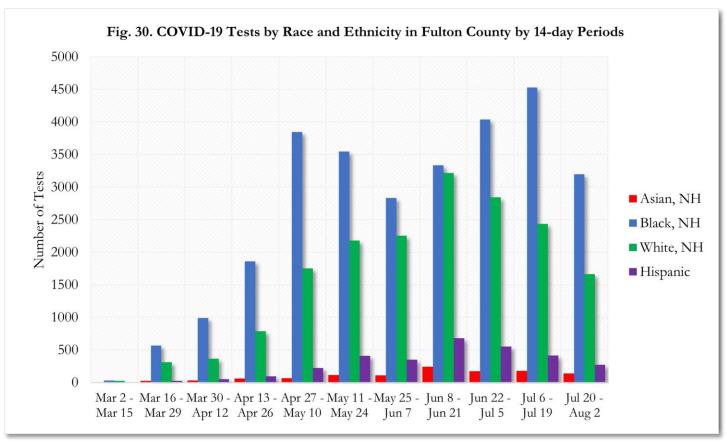
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



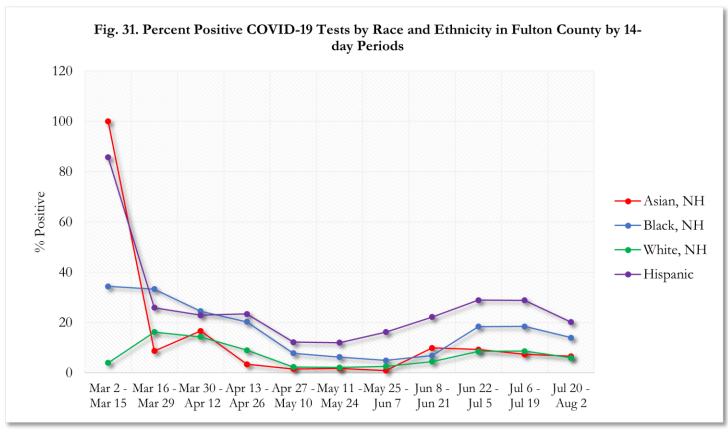
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



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