

Fulton County Board of Health Epidemiology Report

COVID-19 Diagnoses – 8/26/2020

SUMMARY

- As of August 26, 2020, Fulton County has recorded 24,180 cases of the 2019 novel coronavirus (COVID-19) and 497
 deaths.
- Of 2,209 **new diagnoses** made between August 6 and August 19, the central portion of the county (Atlanta metro) accounted for 35% while the northern and southern parts accounted for 30% and 20% respectively.
- By city, **new** COVID-19 diagnoses rates range from 131.9 per 100,000 persons (Sandy Springs) to 457.5 per 100,000 persons (Palmetto). [Fulton County Diagnoses Rates (per 100,000 persons): Cumulative 2272.7; Incident –207.6]. See map showing incident case rate by ZIP code on Pg.4.
- Among all persons diagnosed with COVID-19 in Fulton County, 8.7% required hospitalization and 2.1% died.
- Residents and staff of long-term care facilities account for 7.6% of COVID-19 diagnoses and 43.9% of COVID-19 deaths in Fulton County.

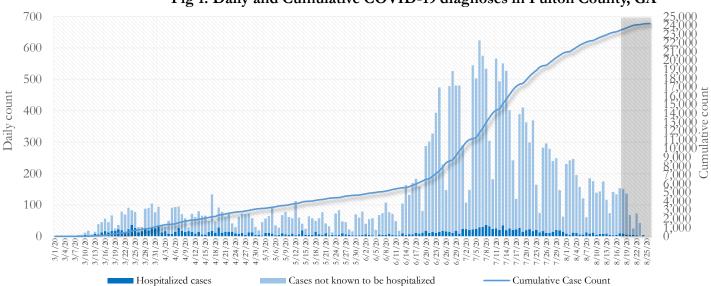


Fig 1. Daily and Cumulative COVID-19 diagnoses in Fulton County, GA

*Counts shown reflect the number of confirmed cases as of 9:00am on 8/26/20 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.

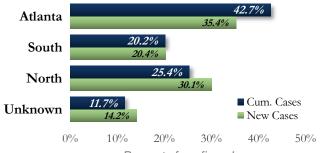
DISTRIBUTION OF COVID-19 DIAGNOSES BY REGION

New cases: 35% of the new COVID-19 cases diagnosed in the past 2 weeks occurred in Atlanta while 30% and 20% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative	% New	
Tulton Region	count	cases*	
Atlanta	42.7%	35.4%	
North ¹	25.4%	30.1%	
South ²	20.2%	20.4%	
Unincorporated/Unknown	11.7%	14.2%	

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 8/06/20 - 8/19/20).

Fig. 2. Distribution of COVID 19 cases by Region

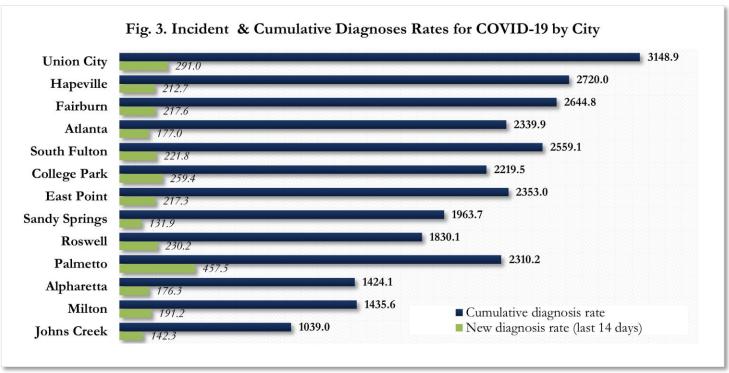


Percent of confirmed cases

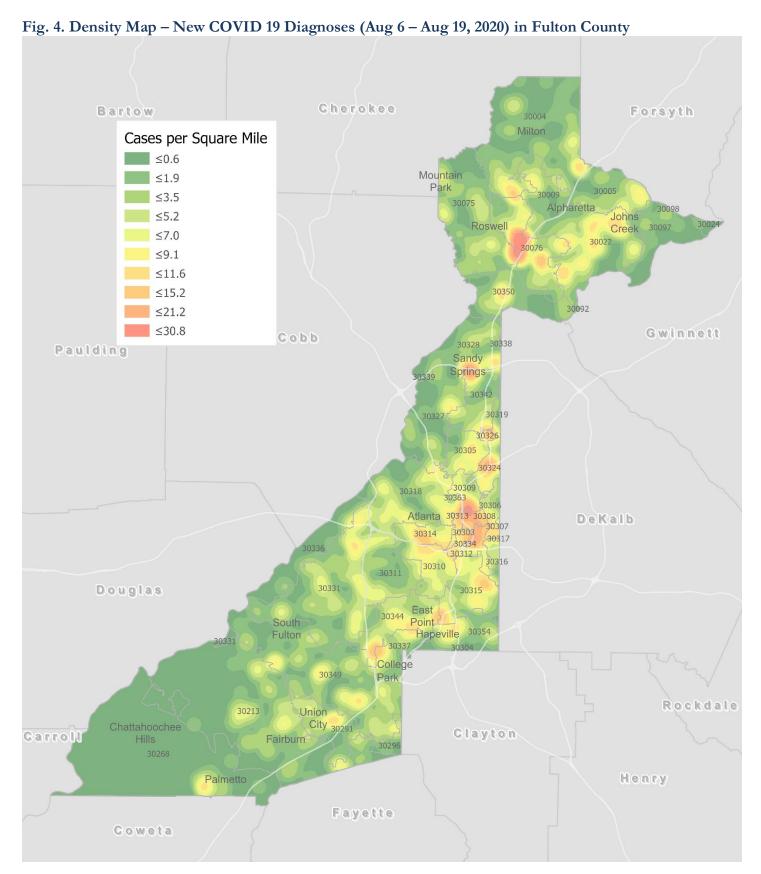
COVID-19 CASE COUNTS AND RATES BY CITY

	Prior (8/24/20)	Current Total (8/26/20)			New Cases (Period: 7/22/20 – 8/19/20) ¹				
	Count	Count	%	Cum. Rate ²	1 st 14 d. (7/22– 8/05)	Last 14 d. (8/06– 8/19)	% change ³	Rate ⁴ (<i>Last 14</i> d).	
Atlanta	10188	10323	42.7%	2339.9	1201	781	↓ 35.0%	177.0	
South Fulton	2413	2434	10.1%	2559.1	320	211	↓ 34.1%	221.8	
Sandy Springs	2038	2070	8.6%	1963.7	267	139	↓ 47.9%	131.9	
Roswell	1689	1725	7.1%	1830.1	320	217	↓ 32.2%	230.2	
East Point	797	823	3.4%	2353.0	127	76	↓ 40.2%	217.3	
Johns Creek	849	869	3.6%	1039.0	156	119	↓ 23.7%	142.3	
Union City	652	660	2.7%	3148.9	83	61	↓ 26.5%	291.0	
Alpharetta	890	921	3.8%	1424.1	153	114	↓ 25.5%	176.3	
Milton	520	548	2.3%	1435.6	88	73	↓ 17.0%	191.2	
Fairburn	381	389	1.6%	2644.8	72	32	↓ 55.6%	217.6	
College Park	304	308	1.3%	2219.5	45	36	↓ 20.0%	259.4	
Palmetto	100	101	0.4%	2310.2	<10	20	† 122.2%	457.5	
Hapeville	175	179	0.7%	2720.0	26	14	↓ 46.2%	212.7	
Mountain Park	5	5	0.0%	800.0	<10	<10	↑ 100.0%	320.0	
Chattahooche Hills	0	0	0.0%	-	-	-	-	-	
Unknown	3179	2825	11.7%	-	407	309	-		

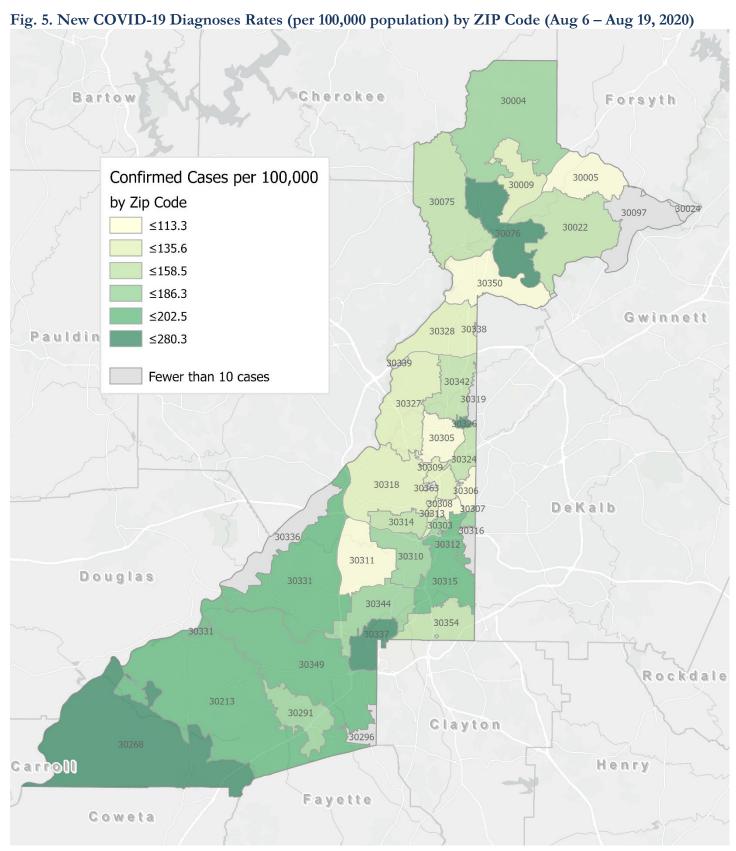
*New cases: Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. *Cumulative diagnosis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



^{*}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 past 7 days, data used for incident diagnoses analyses are moved back by one week. Map reflects new COVID-19 cases diagnosed between Aug 6^{th} and Aug 19^{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 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 (8/24/20)	Current To	Current Total (8/26/20)		New Cases (Period: 7/22/20 – 8/19/20) ¹			
	Count	Count	⁰ / ₀	1st 14 days (Jul 22 – Aug 5)	Last 14 d. (Aug 6 – Aug 19)	% change ²		
All Fulton	23782	24180	100.0%	3281	2209	↓ 32.7%		
30331	1555	1570	6.5%	196	139	↓ 29.1%		
30318	1418	1438	5.9%	201	93	↓ 53.7%		
30349	1608	1615	6.7%	223	178	↓ 20.2%		
30213	929	944	3.9%	151	95	↓ 37.1%		
30315	733	749	3.1%	119	93	↓ 21.8%		
30344	737	762	3.2%	119	71	↓ 40.3%		
30311	695	702	2.9%	111	54	↓ 51.4%		
30342	1024	1034	4.3%	106	64	↓ 39.6%		
30314	506	514	2.1%	64	36	↓ 43.8%		
30310	644	655	2.7%	84	52	↓ 38.1%		
30308	406	415	1.7%	38	27	↓ 28.9%		
30022	941	964	4.0%	171	129	↓ 24.6%		
30327	446	453	1.9%	48	41	↓ 14.6%		
30004	808	857	3.5%	124	128	↑ 3.2%		
30309	662	666	2.8%	62	46	↓ 25.8%		
30076	844	861	3.6%	173	132	↓ 23.7%		
30291	669	681	2.8%	89	49	↓ 44.9%		
30350	460	471	1.9%	69	41	↓ 40.6%		
30075	840	852	3.5%	149	95	↓ 36.2%		
30328	668	679	2.8%	108	44	↓ 59.3%		
30316	351	355	1.5%	52	32	↓ 38.5%		
30312	701	706	2.9%	46	50	↑ 8.7%		
30005	420	427	1.8%	72	49	↓ 31.9%		
30305	654	662	2.7%	59	37	↓ 37.3%		
30306	299	302	1.2%	40	18	↓ 55.0%		
30324	776	789	3.3%	77	52	↓ 32.5%		
30337	288	292	1.2%	43	33	↓ 23.3%		
30009	327	338	1.4%	62	34	↓ 45.2%		
30313	144	144	0.6%	16	13	↓ 18.8%		
30326	190	192	0.8%	14	13	↓ 7.1%		
30097	174	181	0.7%	28	13	↓ 53.6%		
30354	365	371	1.5%	62	28	↓ 54.8%		
30303	365	369	1.5%	37	21	↓ 43.2%		
30339	280	286	1.2%	46	33	↓ 28.3%		
30268	164	167	0.7%	17	29	↑ 70.6%		
30307	170	173	0.7%	30	26	↓ 13.3%		
30319	109	111	0.5%	10	<10	↓ 60.0%		
30336	77	77	0.3%	<10	<10	-		
30296	39	39	0.2%	<10	<10	-		
30363	55	57	0.2%	<10	<10	-		
30301	<10	<10	<0.1%	<10	<10	-		
30345	38	38	0.2%	10	0	↓ 100.0%		
31131	<10	<10	<0.1%	<10	<10	-		
30023	<10	<10	<0.1%	0	0	-		
30080	<10	<10	<0.1%	<10	0	↓ 100.0%		
30135	<10	<10	<0.1%	0	0	-		
30138	<10	<10	<0.1%	0	0	-		
30139	-	-	-	0	0	-		
30321	11	11	<0.1%	<10	0	↓ 100.0%		
30340	32	34	0.1%	<10	<10	-		

30341	38	38	0.2%	<10	0	↓ 100.0%
30358	<10	<10	<0.1%	<10	0	↓ 100.0%
30374	31	31	0.1%	<10	0	↓ 100.0%
30606	<10	<10	<0.1%	0	0	-
31150	<10	<10	<0.1%	0	<10	-
30024	13	15	<0.1%	<10	<10	-
30098	-	-	-	0	0	-
30334	13	14	<0.1%	<10	0	↓ 100.0%
30338	157	153	0.6%	26	23	↓ 11.5%
Unknown	1267	885	3.7%	93	75	-

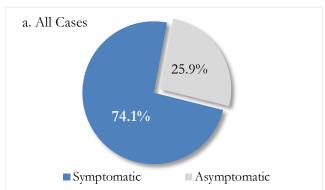
<u>New cases:</u> Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. <u>Percent change: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

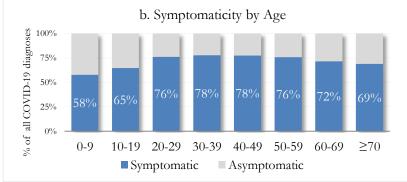
<u>Note:</u> Sharp increases in territorial COVID case counts often reflect new cases diagnosed at long term care facilities located in those territories during facility-wide /mass screening events All data reported are preliminary and subject to change.

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) https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html

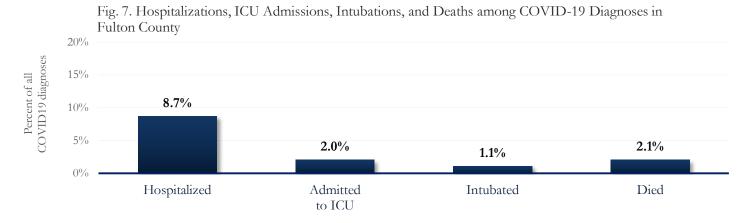
Fig. 6a & b. Proportion Reporting Symptoms in Fulton





COVID-19 cases who have been case interviewed or had medical charts reviewed as at 8/26/20 only

COVID-19 HOSPITALIZATIONS, ICU ADMISSIONS AND DEATHS IN FULTON



DEMOGRAPHIC DISTRIBUTIONS – COVID 19 DIAGNOSES AND DEATHS

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

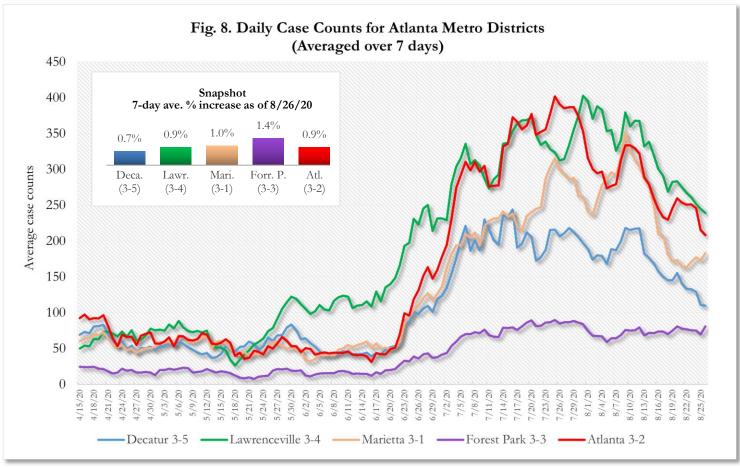
		North Fulton Cities ¹	Atlanta	South Fulton Cities ²	Unknown City	All Fulton
		Count (%)	Count (%)	Count (%)	Count (%)	Count (%)
Total COVID-19 cases		6138	10323	4894	2825	24180
Gende	er: Female	3014 (49.1%)	4967 (48.1%)	2651 (54.2%)	1400 (49.6%)	12032 (49.8%)
	Male	2866 (46.7%)	4701 (45.5%)	1991 (40.7%)	1272 (45.0%)	10830 (44.8%)
	Unknown	258 (4.2%)	655 (6.3%)	252 (5.1%)	153 (5.4%)	1318 (5.5%)
Age:	0-9	188 (3.1%)	186 (1.8%)	143 (2.9%)	74 (2.6%)	591 (2.4%)
	10-19	832 (13.6%)	627 (6.1%)	333 (6.8%)	186 (6.6%)	1978 (8.2%)
	20-29	1350 (22.0%)	2907 (28.2%)	970 (19.8%)	725 (25.7%)	5952 (24.6%)
	30-39	986 (16.1%)	2252 (21.8%)	1008 (20.6%)	606 (21.5%)	4852 (20.1%)
	40-49	994 (16.2%)	1381 (13.4%)	889 (18.2%)	445 (15.8%)	3709 (15.3%)
	50-59	871 (14.2%)	1172 (11.4%)	678 (13.9%)	347 (12.3%)	3068 (12.7%)
	60-69	461 (7.5%)	801 (7.8%)	459 (9.4%)	217 (7.7%)	1938 (8.0%)
	≥70	449 (7.3%)	973 (9.4%)	401 (8.2%)	216 (7.6%)	2039 (8.4%)
	Unknown	<10	24 (0.2%)	13 (0.3%)	<10	53 (0.2%)
Race:	Asian, NH	149 (2.4%)	134 (1.3%)	16 (0.3%)	51 (1.8%)	350 (1.4%)
	Black, NH	556 (9.1%)	4322 (41.9%)	2750 (56.2%)	782 (27.7%)	8410 (34.8%)
	White, NH	1709 (27.8%)	1716 (16.6%)	178 (3.6%)	525 (18.6%)	4128 (17.1%)
	Hispanic	994 (16.2%)	564 (5.5%)	321 (6.6%)	279 (9.9%)	2158 (8.9%)
	Other, NH	232 (3.8%)	284 (2.8%)	95 (1.9%)	104 (3.7%)	715 (3.0%)
	Unknown	2498 (40.7%)	3303 (32.0%)	1534 (31.3%)	1084 (38.4%)	8419 (34.8%)

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

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		North Fulton Cities ¹	Atlanta	South Fulton Cities ²	Unknown City	All Fulton	
		Count (%)	Count (%)	Count (%)	Count (%)	Count (%)	
Total COVID-19 deaths		95	235	127	40	497	
Gende	er: Female	43 (45.3%)	104 (44.3%)	67 (52.8%)	23 (57.5%)	237 (47.7%)	
	Male	52 (54.7%)	131 (55.7%)	60 (47.2%)	17 (42.5%)	260 (52.3%)	
	Unknown	0	0	0	0	0	
Age:	≤ 29	0	<10	<10	0	<10	
	30-39	<10	<10	<10	<10	11 (2.2%)	
	40-49	<10	<10	<10	<10	19 (3.8%)	
	50-59	<10	20 (8.5%)	16 (12.6%)	<10	41 (8.2%)	
	60-69	10 (10.5%)	46 (19.6%)	32 (25.2%)	<10	91 (18.3%)	
	≥70	76 (80.0%)	154 (65.5%)	69 (54.3%)	32 (80.0%)	331 (66.6%)	
	Unknown	0	0	0	0	0	
Race:	Asian, NH	<10	<10	<10	<10	<10	
	Black, NH	17 (17.9%)	199 (84.7%)	109 (85.8%)	20 (50.0%)	345 (69.4%)	
	White, NH	71 (74.7%)	27 (11.5%)	11 (8.7%)	16 (40.0%)	125 (25.2%)	
	Hispanic	<10	<10	<10	<10	15 (3.0%)	
	Other, NH	0	<10	<10	0	<10	
	Unknown	0	<10	0	0	<10	

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, Union City). Note: All data reported are preliminary and subject to change.

COVID-19 CASE TRENDS IN FULTON AND SURROUNDING DISTRICTS

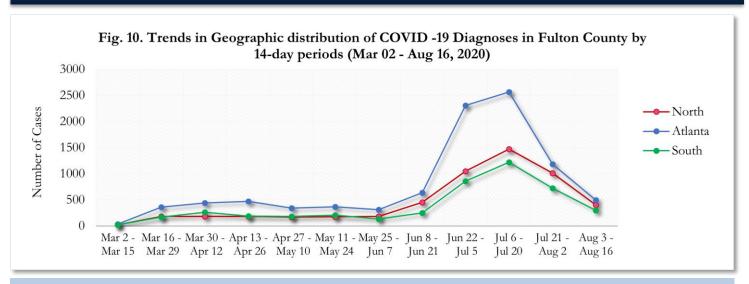


*Graph shows the average number of cases calculated from the daily cumulative case counts in the metro Atlanta districts. Increases in daily cumulative case counts may include cases diagnosed earlier during the pandemic but were only recently reported to the state as cases diagnosed belonging to these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

Hall Forsyth Bartow Cherokee Jackson 761K Barrow Paulding Gwinnett Oconee Walton **Fulton** DeKalb Douglas Rockdale Morgan Clayton Newton Carroll Henry Favette **Health Districts** Cases per Square Mile ≤1.8 ≤3.8 Jasper ≤5.9 Spalding 3-4 ≤8.2 3-1 ≤10.9 3-5 ≤14.3 ≤18.8 ≤25.2 Troup ≤33.4 Jones Pike onroe ≤45.5 Upsan

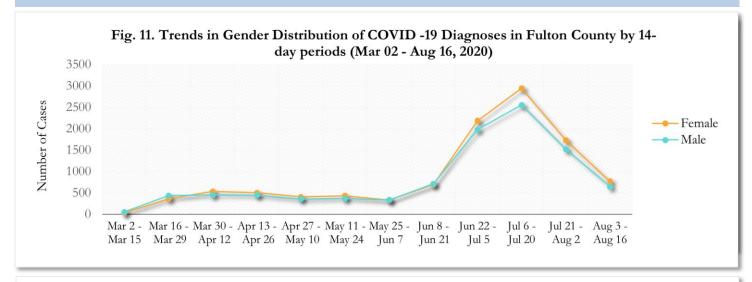
Fig. 9. COVID-19 Cases in Fulton County and Surrounding Districts (Aug 6 - Aug 19, 2020)

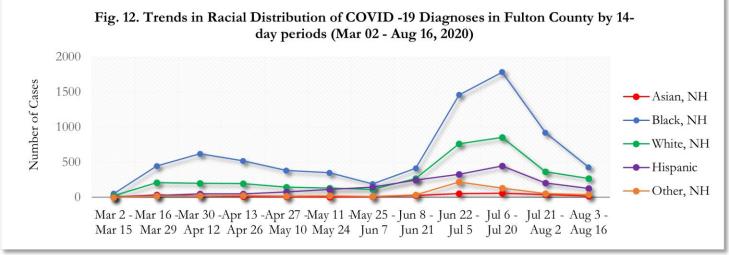
TRENDS IN COVID-19 CASES AMONG DEMOGRAPHIC GROUPS (14 DAY PERIODS)



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

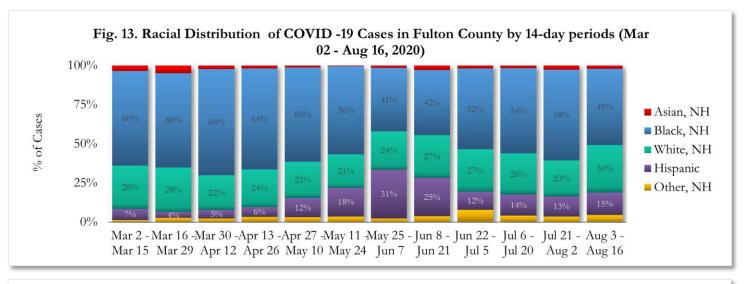
^{*}South - Includes all Fulton cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, and Union City)

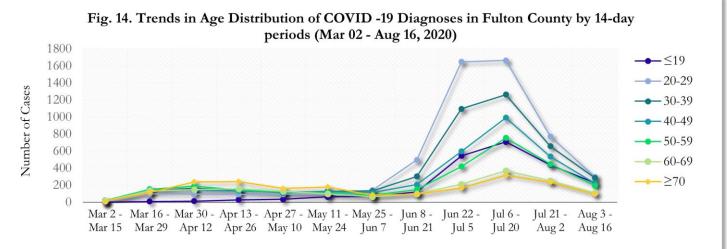




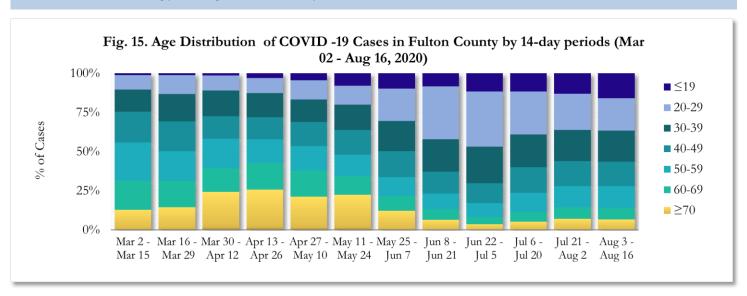
About 38% of COVID cases are missing data on patient race and ethnicity. Of cases with race and ethnicity reported, majority are Black non-Hispanic, followed by a smaller number of cases reporting White (non-Hispanic and Hispanic) race.

^{*}North -Includes all Fulton cities north of Atlanta metro (Alpharetta, Milton, Johns Creek, Roswell, Sandy Springs, Mountain Park)

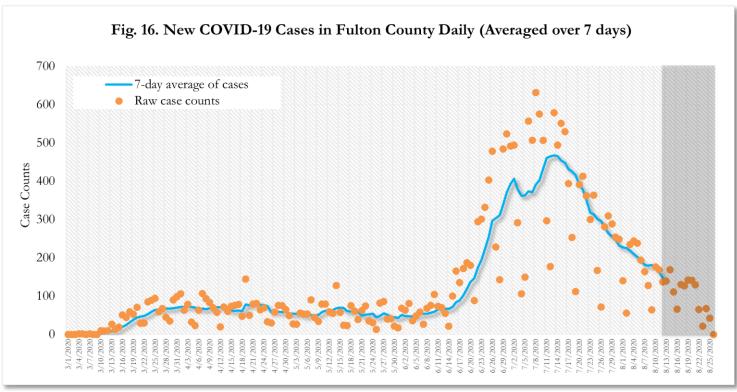




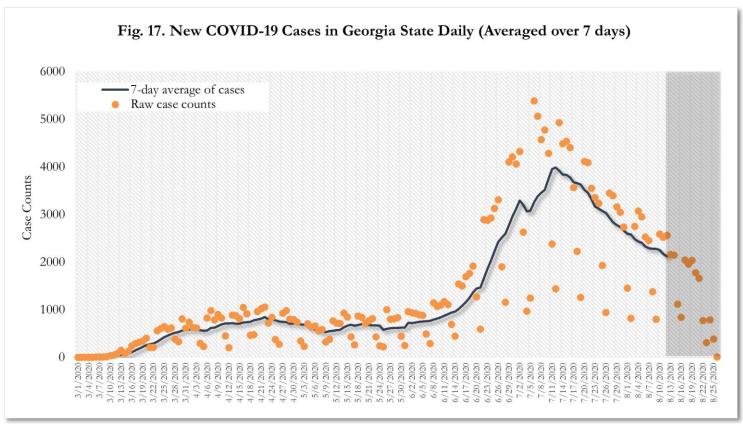
Earlier (March-May 2020) large proportions of reported cases were among persons aged 60 and older. However, starting in June, a much higher number of cases were among persons aged between 20-29 years.



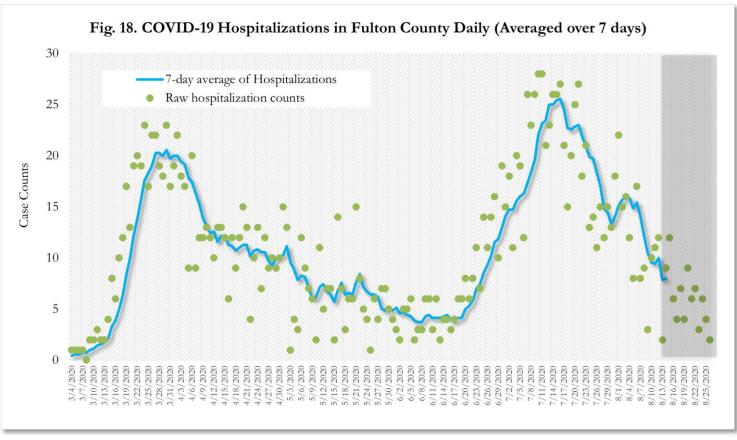
TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)



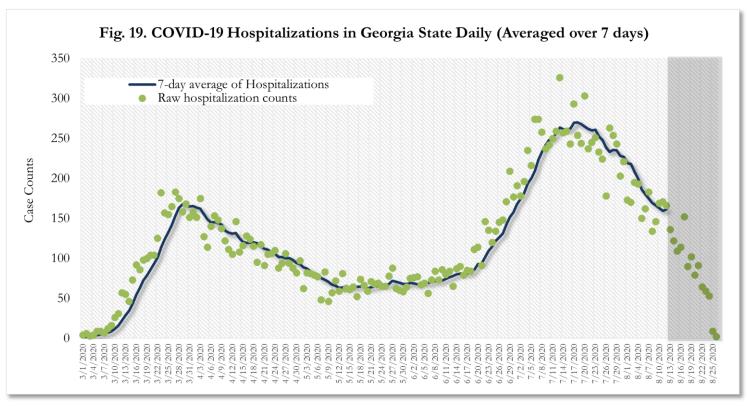
*Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject to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



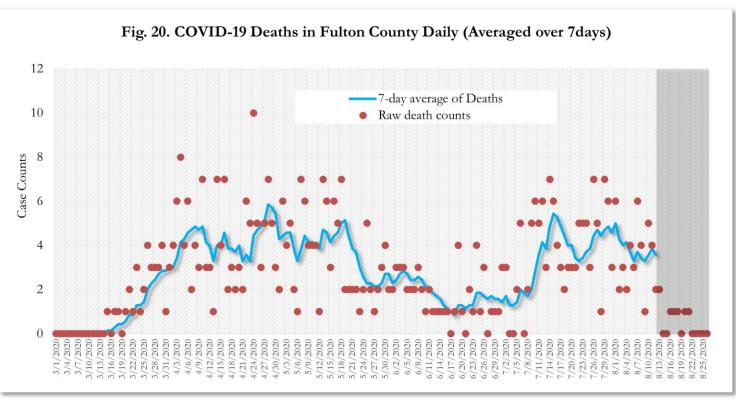
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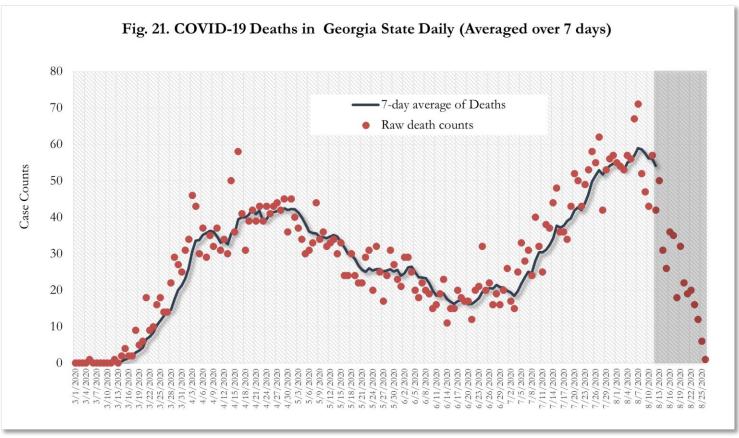
^{*}Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the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



^{*}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.



^{*} 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.

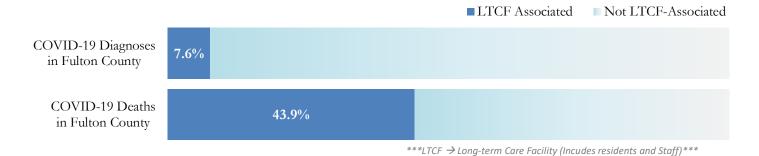


^{*}Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

COVID-19 IN LONG-TERM CARE FACILITIES IN FULTON COUNTY

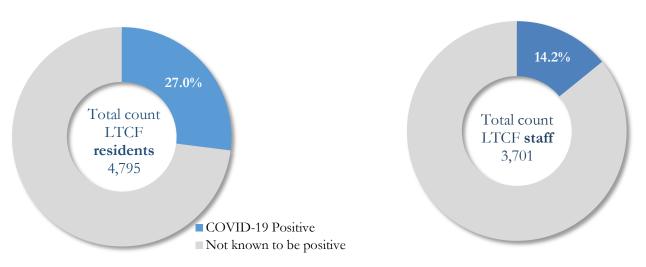
Older persons (aged 65 years and older) and persons who live in nursing homes or other long-term care facilities seem to be at higher risk for developing more serious complications from COVID-19. Extra precautions are recommended for individuals within this risk groups – Centers for Disease Control and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

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



COVID-19 POSITIVITY:

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

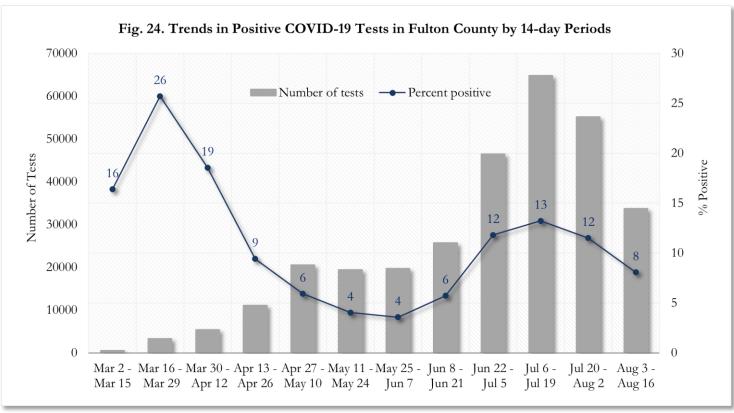


COVID-19 Cases, Hospitalizations, and Deaths among 59 reporting Long-Term Care Facilities in Fulton County

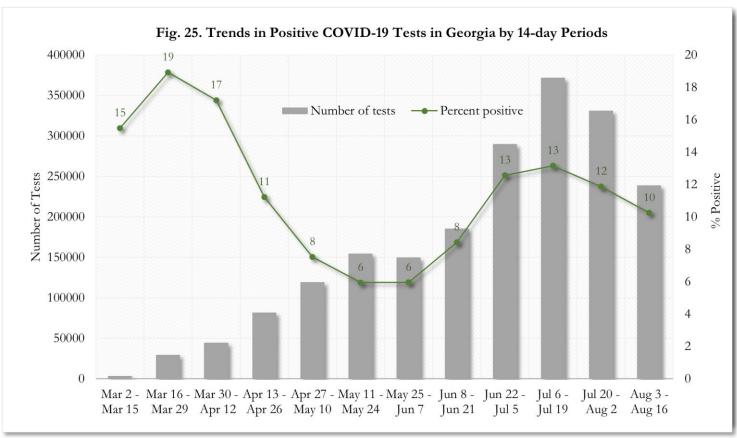
	LTC	CF Residents (n=4,	795)	LTCF Staff (n=3,701)			
	Cases Hospitalizations Deaths		Cases	Hospitalizations	Deaths		
Average (count per fac.)1	22	5	4	9	1	< 0.1	
Median (count per fac.)1	8	2	0	5	0	0	
Lowest counts	1	0	0	0	0	0	
Highest counts	136	48	29	62	8	2	
Total Count	1294 (27.0%) ^a	294 (22.7%) ^b	210 (16.2%) ^b	524 (14.1%) ^a	30 (5.7%) ^b	5 (<1.0%)b	

^a Percentage shown reflects proportion of total residents/staff tested who were positive (i.e. COVID-19 Positivity). | ^b Percentages shown are proportions of persons residents/staff diagnosed with COVID-19 who were hospitalized or died after diagnoses.

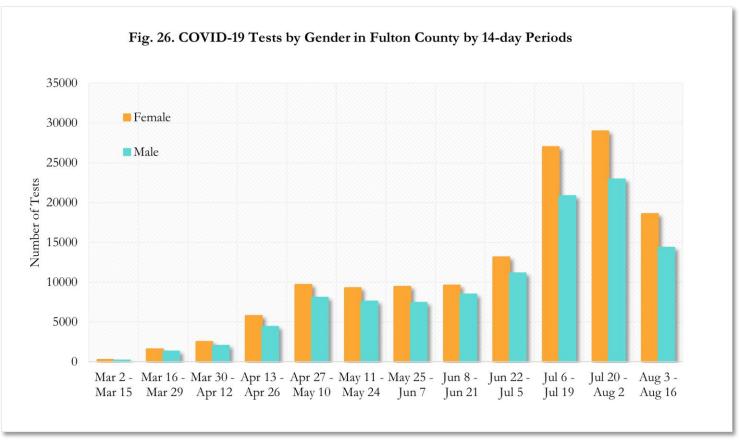
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY



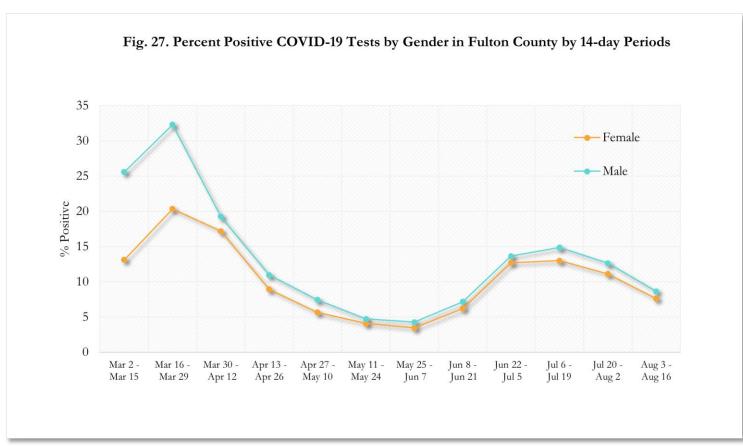
*Data on Polymerase Chain Reaction (PCR) tests only included.



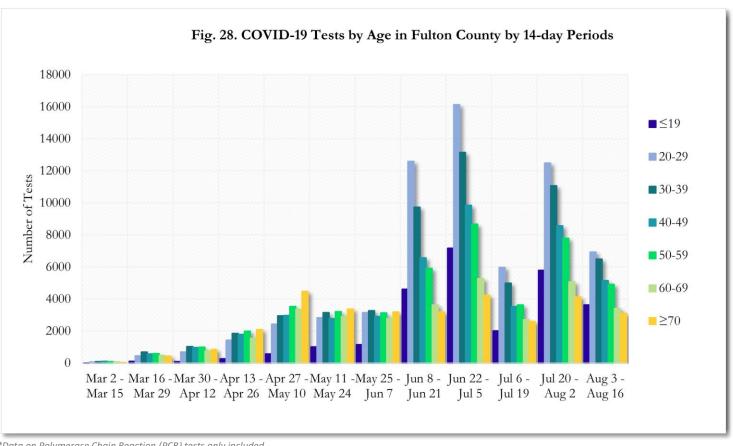
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



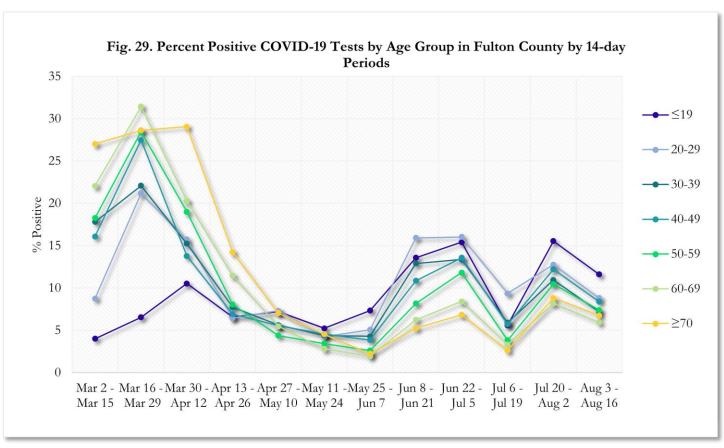
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



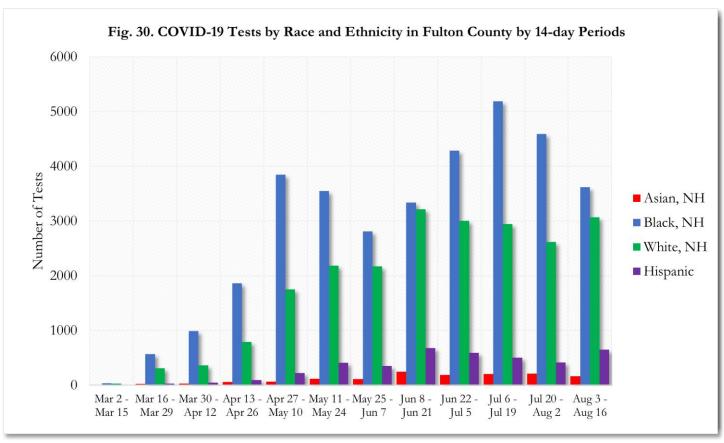
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



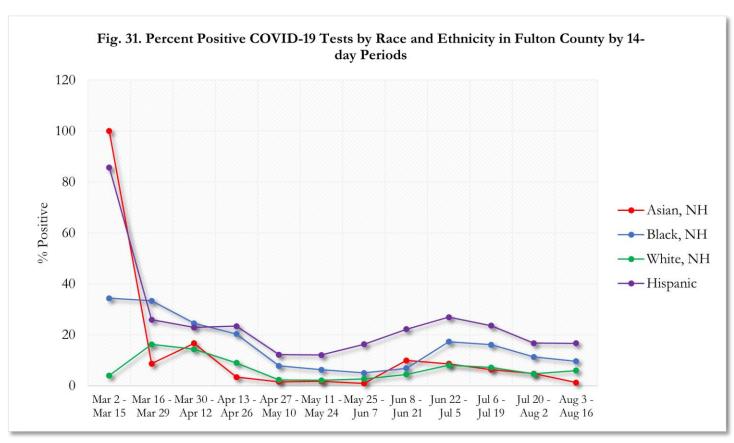
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