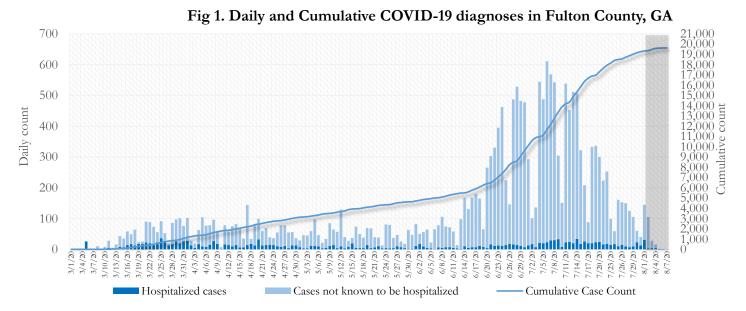


Fulton County Board of Health Epidemiology Report

COVID-19 Diagnoses -8/7/2020

SUMMARY

- As of August 07, 2020, Fulton County has recorded **19,622** cases of the 2019 novel coronavirus (COVID-19) and **420** deaths.
- Of 2,907 **new diagnoses** made between July 18 and July 31, the central portion of the county (Atlanta metro) accounted for 38% while the northern and southern parts accounted for 27% and 21% respectively.
- By city, **new** COVID-19 diagnoses rates range from 139.9 per 100,000 persons (Johns Creek) to 373.9 per 100,000 persons (Fairburn). [Fulton County Diagnoses Rates (per 100,000 persons): Cumulative 1,844.3; Incident 273.2]. See map showing incident case rate by ZIP code on Pg.4.
- Among all persons diagnosed with COVID-19 in Fulton County, 9.5% 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.



*Counts shown reflect the number of confirmed cases as of 9:00am on 8/07/20 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.

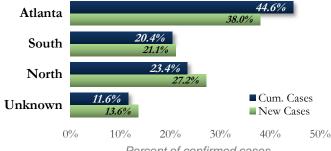
DISTRIBUTION OF COVID-19 DIAGNOSES BY REGION

New cases: 38% of the new COVID-19 cases diagnosed in the past 2 weeks occurred in Atlanta while 27% and 21% occurred in the Northern and Southern regions of the county respectively.

Fulton Docion	% Cumulative	% New	
Fulton Region	count	cases*	
Atlanta	44.6%	38.0%	
North ¹	23.4%	27.2%	
South ²	20.4%	21.1%	
Unincorporated/Unknown	11.6%	13.6%	

¹Includes 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 7/18/20 – 7/31/20).

Fig. 2. Distribution of COVID 19 cases by Region

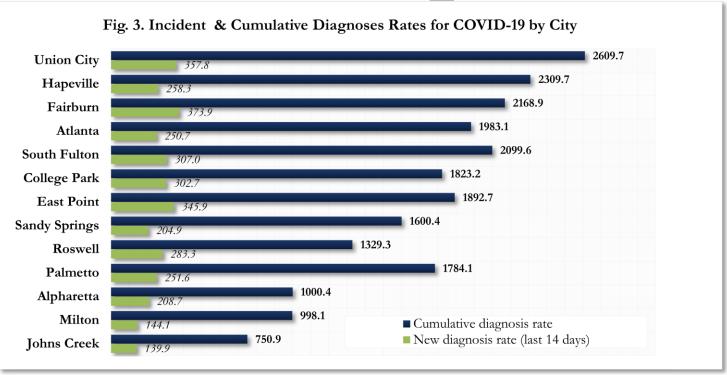


Percent of confirmed cases

COVID-19 CASE COUNTS AND RATES BY CITY

	Prior (8/05/20)	Current Total (8/07/20)				New Cases (Period: 7/03/20 – 7/31/20) ¹				
	Count	Count	%	Cum. Rate ²	(t 14 d. 7/03– 7/17)	Last 14 d. (7/18–7/31)	% change ³	Rate ⁴ (Last 14 d).	
Atlanta	8391	8749	44.6%	1983.1		2478	1106	↓ 55.4%	250.7	
South Fulton	1927	1997	10.2%	2099.6		631	292	↓ 53.7%	307.0	
Sandy Springs	1641	1687	8.6%	1600.4		425	216	↓ 49.2%	204.9	
Roswell	1179	1253	6.4%	1329.3		370	267	↓ 27.8%	283.3	
East Point	642	662	3.4%	1892.7		188	121	↓ 35.6%	345.9	
Johns Creek	590	628	3.2%	750.9		189	117	↓ 38.1%	139.9	
Union City	523	547	2.8%	2609.7		133	75	↓ 43.6%	357.8	
Alpharetta	615	647	3.3%	1000.4		196	135	↓ 31.1%	208.7	
Milton	364	381	1.9%	998.1		137	55	↓ 59.9%	144.1	
Fairburn	296	319	1.6%	2168.9		95	55	↓ 42.1%	373.9	
College Park	244	253	1.3%	1823.2		63	42	↓ 33.3%	302.7	
Palmetto	70	78	0.4%	1784.1		31	11	↓ 64.5%	251.6	
Hapeville	146	152	0.8%	2309.7		29	17	↓ 41.4%	258.3	
Mountain Park	2	2	0.0%	320.0		0	<10	-	320.0	
Chattahooche Hills		-	-			-	-	-	-	
Unknown	2141	2267	11.6%	-		791	392	-	-	

¹New 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. ²Cumulative 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 ⁴(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.

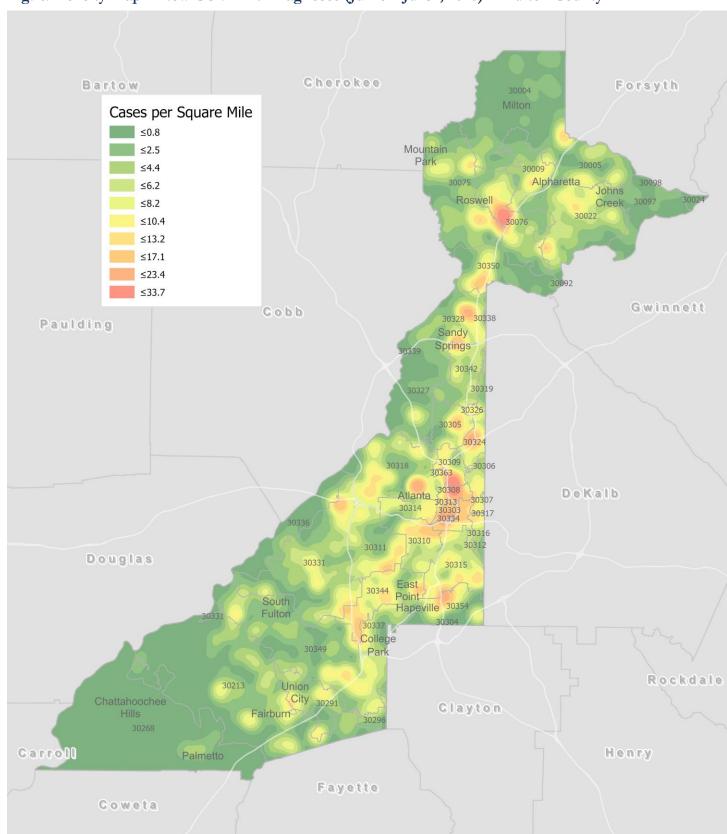


Fig. 4. Density Map – New COVID 19 Diagnoses (Jul 18 – Jul 31, 2020) in Fulton County

<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.

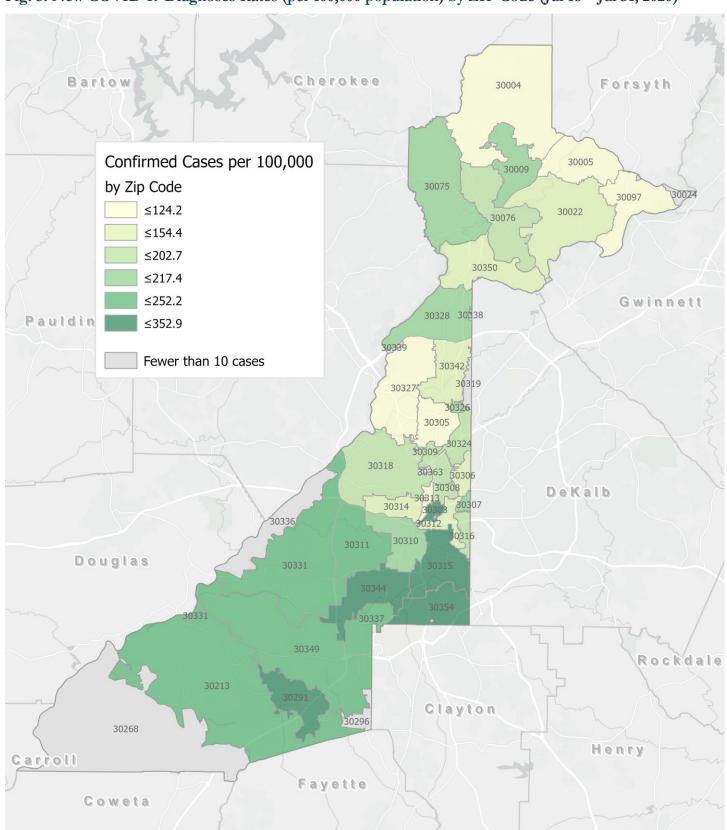


Fig. 5. New COVID-19 Diagnoses Rates (per 100,000 population) by ZIP Code (Jul 18 – Jul 31, 2020)

*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 (8/05/20)	Current Total (8/07/20)		New Case	7/31/20)1	
	Count	Count	%	1st 14 days (Jul 3 – Jul 17)	Last 14 d. (Jul 18 – Jul 31)	% change ²
All Fulton	18119	19622	100.0%	5760	2907	↓ 49.5%
30331	1257	1305	6.7%	388	182	↓ 53.1%
30318	1135	1191	6.1%	361	159	↓ 56.0%
30349	1238	1312	6.7%	434	227	↓ 47.7%
30213	720	765	3.9%	223	130	J 41.7%
30315	548	581	3.0%	149	98	↓ 34.2%
30344	589	607	3.1%	174	115	↓ 33.9%
30311	549	585	3.0%	148	104	↓ 29.7%
30342	821	841	4.3%	226	80	↓ 64.6%
30314	426	439	2.2%	91	50	J 45.1%
30310	537	565	2.9%	129	81	↓ 37.2%
30308	349	360	1.8%	114	36	↓ 68.4%
30022	656	694	3.5%	225	134	↓ 40.4%
30327	330	346	1.8%	71	28	↓ 60.6%
30004	562	589	3.0%	213	102	↓ 52.1%
30309	565	588	3.0%	149	63	↓ 57.7%
30076	538	583	3.0%	188	128	J 31.9%
30291	553	572	2.9%	125	77	↓ 38.4%
30350	379	388	2.0%	79	61	↓ 22.8%
30075	621	651	3.3%	190	141	↓ 25.8%
30328	529	546	2.8%	154	86	↓ 44.2%
30316	289	302	1.5%	107	56	↓ 47.7%
30310	616	633	3.2%	167	51	↓ 69.5%
30005	291	307	1.6%	86	61	↓ 09.3% ↓ 29.1%
30305	537	554	2.8%	146	48	↓ 67.1%
30306	228	241	1.2%	89	31	↓ 65.2%
30324	642	684	3.5%	184	71	\$ 61.4%
30337	228	242	1.2%	58	41	↓ 29.3%
30009	241	249	1.3%	79	55	↓ 30.4%
30313	117	121	0.6%	32	13	↓ 59.4%
30326	159	165	0.8%	46	20	1 56.5%
30097	134	147	0.7%	41	29	1 29.3%
30354	305	315	1.6%	80	57	↓ 28.8%
30303	346	351	1.8%	221	46	↓ 79.2%
30339	202	219	1.1%	99	35	↓ 64.6%
30268	119	127	0.6%	63	18	↓ 71.4%
30307	119	126	0.6%	45	24	↓ 46.7%
30319	94	96	0.5%	13	<10	↓ 30.8%
30336	71	72	0.4%	16	<10	↓ 43.8%
30296	32	32	0.2%	11	<10	\$ 15.5% \$ 54.5%
30363	49	52	0.3%	20	<10	↓ 75.0%
30303	<10	<10	<0.1%	<10	0	↓ 100.0%
30345	30	31	0.2%	<10	<10	¥ 100.070
31131	<10	<10	<0.1%	<10	0	↓ 100.0%
30023	<10	<10	<0.1%	<10	0	100.0%
30023	<10	<10	<0.1%	<10	<10	Ų 100.070
30135	<10	<10	<0.1%	<10	0	↓ 100.0%
30133	<10	<10 <10	<0.1%	0	0	↓ 100.070
20120	~10	~10	~ U.1 /0	U	U	-

30321	<10	<10	<0.1%	<10	0	↓ 100.0%
30340	31	30	0.2%	<10	<10	-
30341	32	35	0.2%	<10	<10	-
30358	<10	<10	<0.1%	0	<10	-
30374	32	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	13	<0.1%	<10	<10	-
30338	109	122	0.6%	55	28	↓ 49.1%
Unknown	1603	764	3.9%	229	92	-

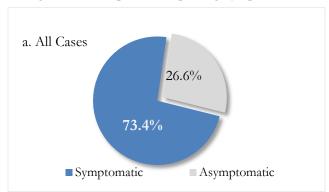
*New cases: Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. *Percent change: These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

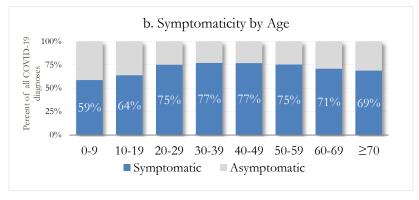
Note: Sharp increases in territorial COVID case counts often reflect new cases diagnosed at long term care facilities located in those territories during facility-wide /mass screening events All data reported are preliminary and subject to change.

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

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

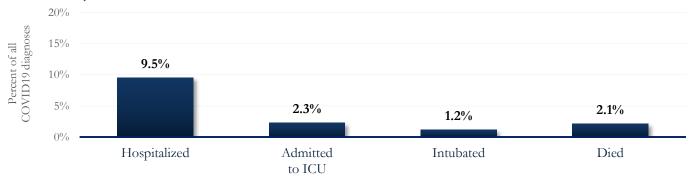




***COVID-19 cases who have been case interviewed or had medical charts reviewed as at 8/07/20 only ***

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

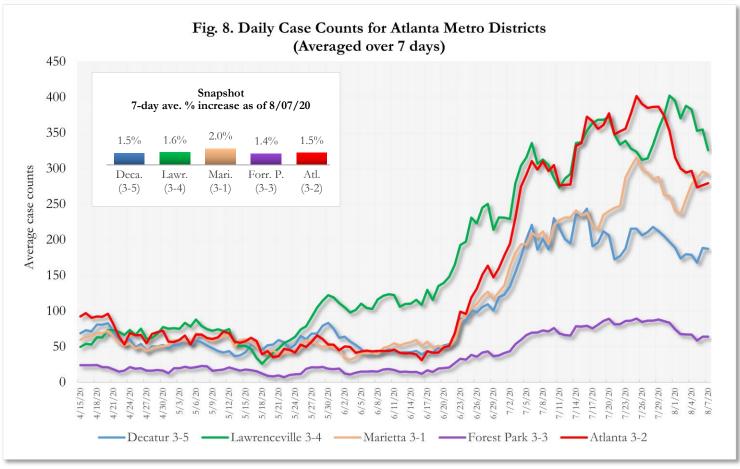
		North Fulton Cities ¹ Count (%)	Atlanta Count (%)	South Fulton Cities ² Count (%)	Unknown City Count (%)	All Fulton Count (%)	
Total COVID-19 cases		4598	8749	4008	2267	19622	
Gende	er: Female	2250 (48.9%)	4121 (47.1%)	2164 (54.0%)	1097 (48.4%)	9632 (49.1%)	
	Male	2132 (46.4%)	3987 (45.6%)	1607 (40.1%)	1029 (45.4%)	8755 (44.6%)	
	Unknown	216 (4.7%)	641 (7.3%)	237 (5.9%)	141 (6.2%)	1235 (6.3%)	
Age:	0-9	133 (2.9%)	142 (1.6%)	100 (2.5%)	56 (2.5%)	431 (2.2%)	
	10-19	570 (12.4%)	503 (5.7%)	241 (6.0%)	139 (6.1%)	1453 (7.4%)	
	20-29	1041 (22.6%)	2521 (28.8%)	796 (19.9%)	592 (26.1%)	4950 (25.2%)	
	30-39	753 (16.4%)	1919 (21.9%)	802 (20.0%)	483 (21.3%)	3957 (20.2%)	
	40-49	726 (15.8%)	1150 (13.1%)	728 (18.2%)	357 (15.7%)	2961 (15.1%)	
	50-59	641 (13.9%)	987 (11.3%)	573 (14.3%)	287 (12.7%)	2488 (12.7%)	
	60-69	365 (7.9%)	661 (7.6%)	396 (9.9%)	167 (7.4%)	1589 (8.1%)	
	≥70	364 (7.9%)	845 (9.7%)	362 (9.0%)	180 (7.9%)	1751 (8.9%)	
	Unknown	<10	21 (0.2%)	10 (0.2%)	<10	42 (0.2%)	
Race:	Asian, NH	106 (2.3%)	108 (1.2%)	13 (0.3%)	36 (1.6%)	263 (1.3%)	
	Black, NH	440 (9.6%)	3575 (40.9%)	2208 (55.1%)	598 (26.4%)	6821 (34.8%)	
	White, NH	1213 (26.4%)	1380 (15.8%)	141 (3.5%)	390 (17.2%)	3124 (15.9%)	
	Hispanic	720 (15.7%)	464 (5.3%)	232 (5.8%)	226 (10.0%)	1642 (8.4%)	
	Other, NH	171 (3.7%)	213 (2.4%)	65 (1.6%)	81 (3.6%)	530 (2.7%)	
	Unknown	1948 (42.4%)	3009 (34.4%)	1349 (33.7%)	936 (41.3%)	7242 (36.9%)	

B. Distribution of COVID-19 deaths in Fulton County by Fulton Region

		North Fulton Cities ¹ Count (%)	Atlanta Count (%)	South Fulton Cities ² Count (%)	Unknown City Count (%)	All Fulton Count (%)
Total COVID-19 deaths		73	203	108	36	420
Gende	er: Female	29 (39.7%)	87 (42.9%)	58 (53.7%)	22 (61.1%)	196 (46.7%)
	Male	44 (60.3%)	116 (57.1%)	50 (46.3%)	14 (38.9%)	224 (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	14 (3.3%)
	50-59	<10	15 (7.4%)	12 (11.1%)	<10	31 (7.4%)
	60-69	<10	38 (18.7%)	27 (25.0%)	<10	76 (18.1%)
	≥70	58 (79.5%)	138 (68.0%)	61 (56.5%)	31 (86.1%)	288 (68.6%)
	Unknown	0	0	0	0	0
Race:	Asian, NH	0	<10	0	<10	<10
	Black, NH	13 (17.8%)	168 (82.8%)	95 (88.0%)	19 (52.8%)	295 (70.2%)
	White, NH	55 (75.3%)	24 (11.8%)	<10	14 (38.9%)	102 (24.3%)
	Hispanic	<10	<10	<10	<10	13 (3.1%)
	Other, NH	0	<10	<10	0	<10
	Unknown	<10	<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.

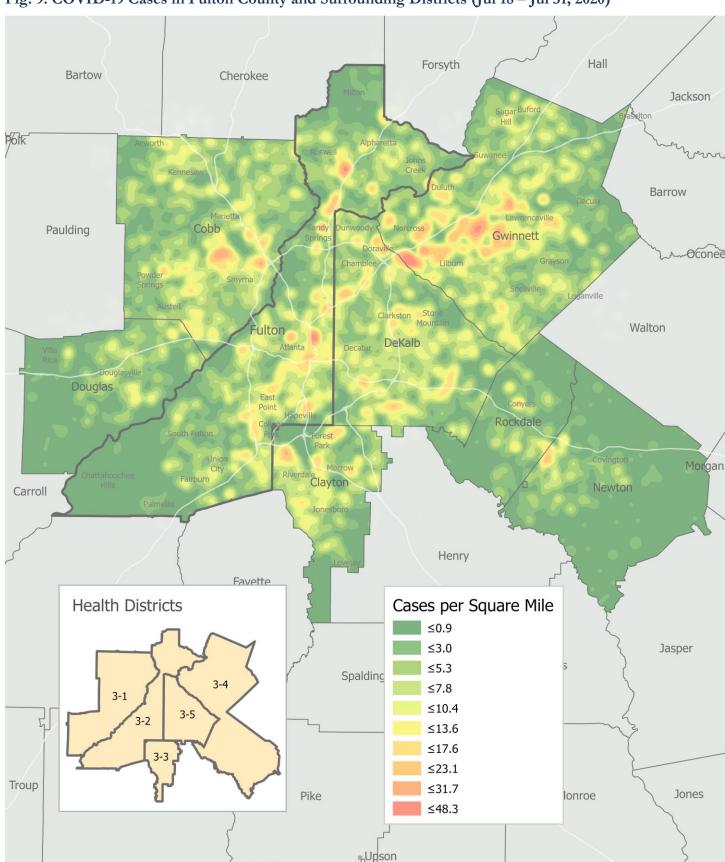
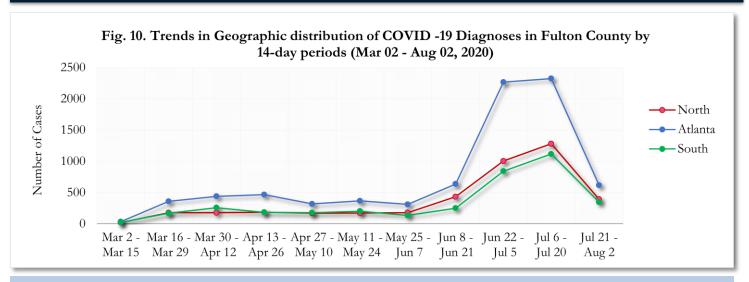


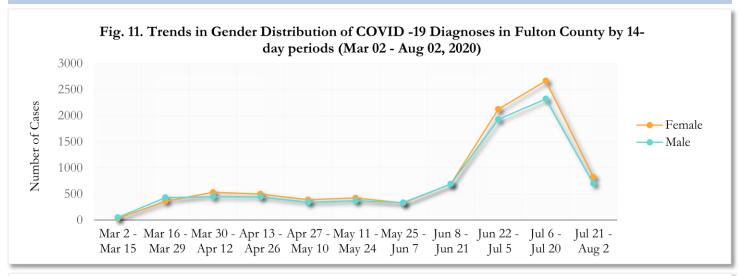
Fig. 9. COVID-19 Cases in Fulton County and Surrounding Districts (Jul 18 – Jul 31, 2020)

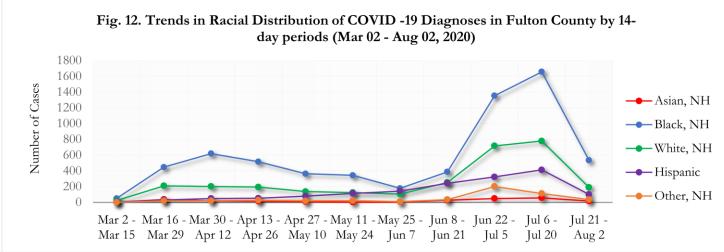
TRENDS IN COVID-19 CASES AMONG DEMOGRAPHIC GROUPS (14 DAY PERIODS)



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

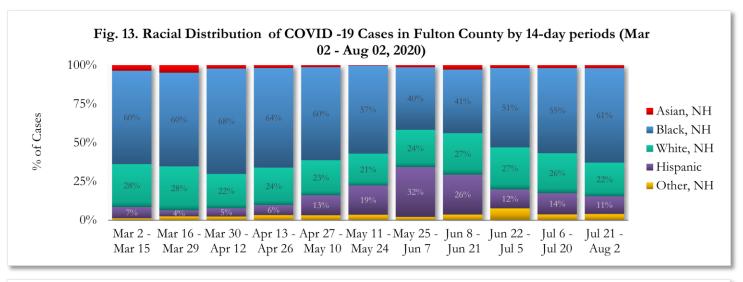
^{*}South - Includes all Fulton cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, and Union City)

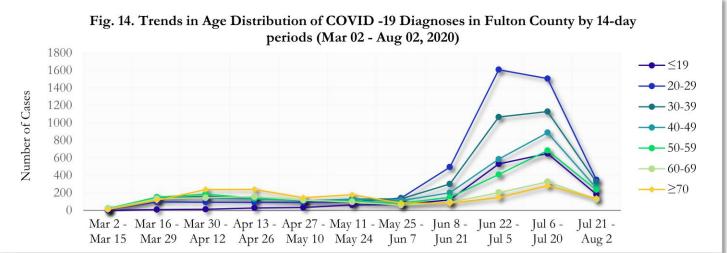




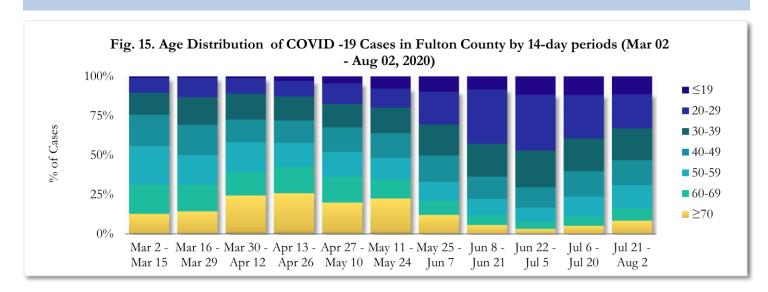
About 30% of COVID cases are missing data on patient race and ethnicity. Of cases with race and ethnicity reported, majority are Black non-Hispanic, followed by a smaller number of cases reporting White (non-Hispanic and Hispanic) race.

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

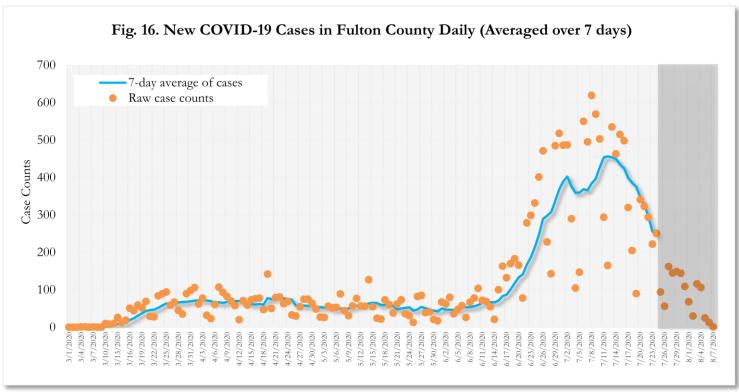




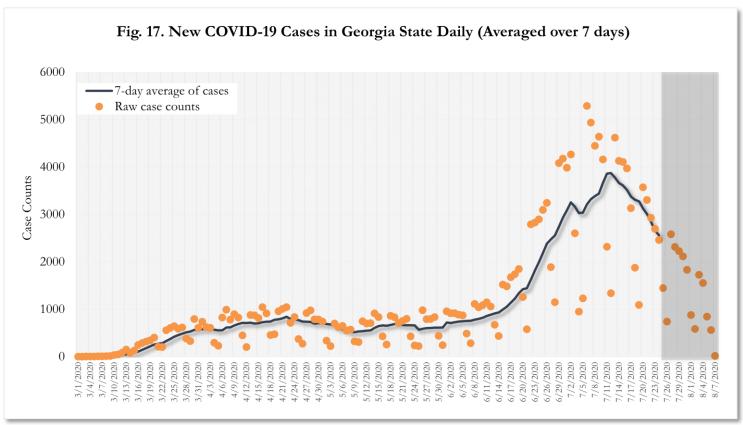
Earlier (March-May 2020) large proportions of reported cases were among persons aged 60 and older. However, starting in June, a much higher number of cases were among persons aged between 20-29 years.



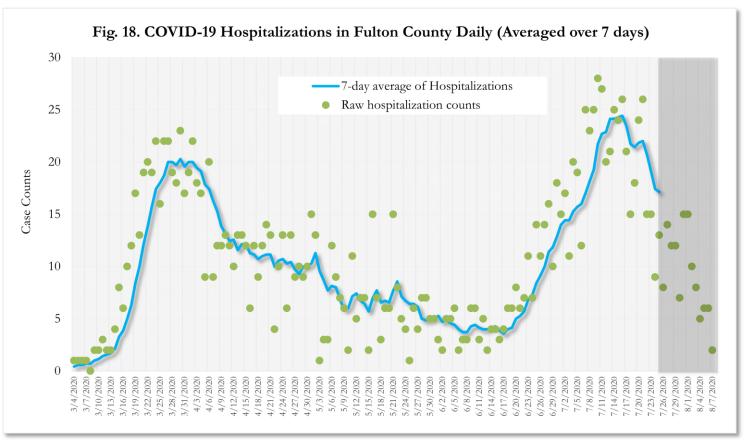
TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)



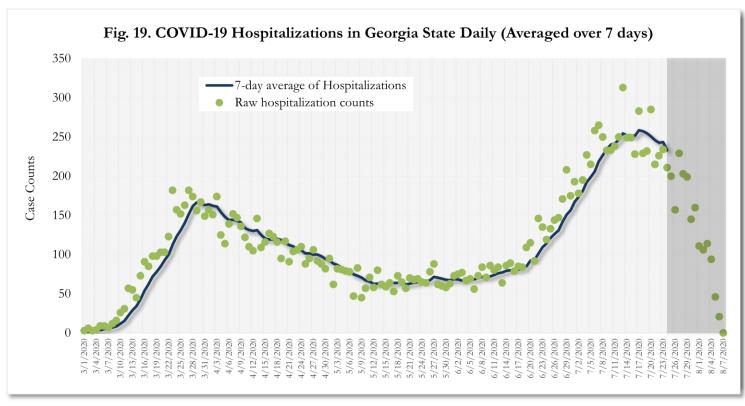
^{*}Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject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



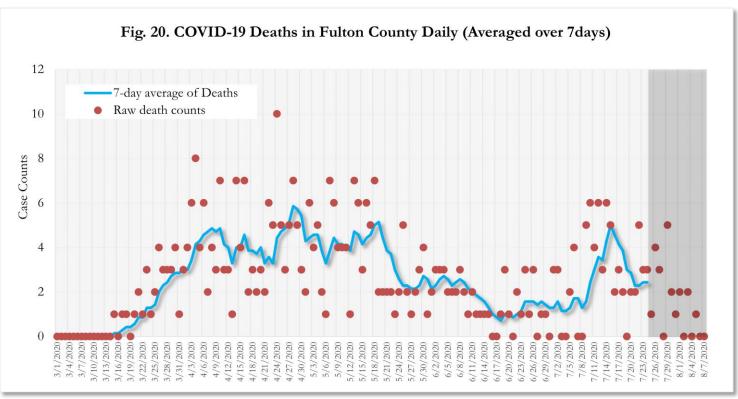
^{*}Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject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



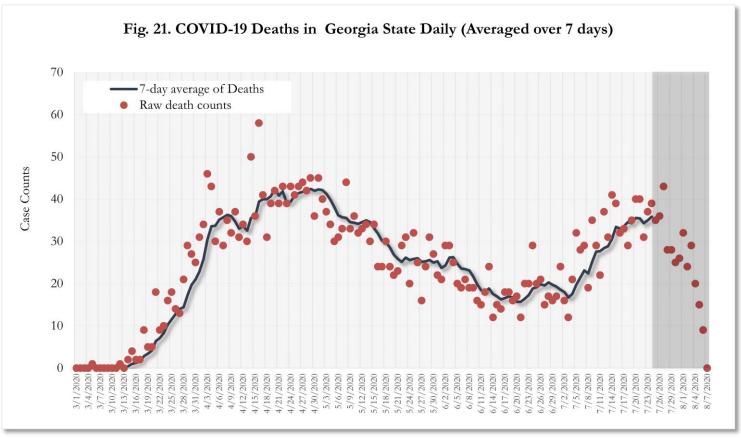
^{*}Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the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

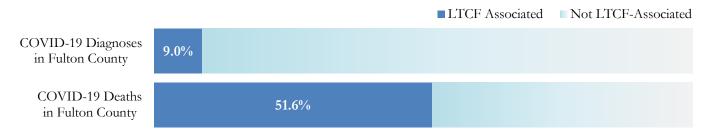


^{*}Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

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

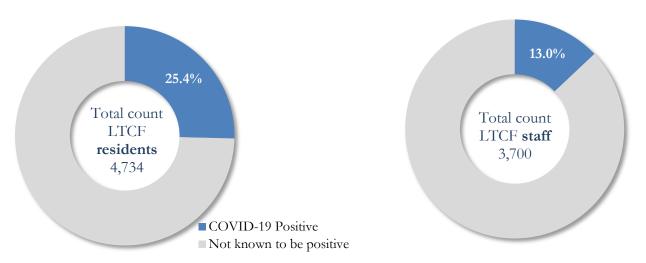
Fig. 22. COVID-19 Diagnoses and Deaths in Fulton County Associated with Long-Term Care Facilities



^{***}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

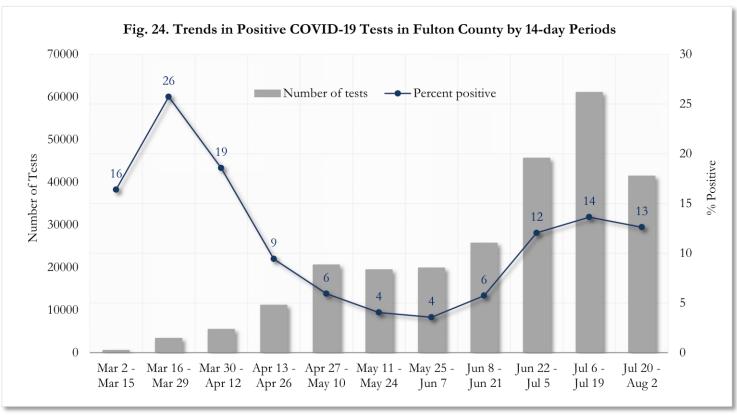


COVID-19 Cases, Hospitalizations, and Deaths among 59 reporting Long-Term Care Facilities in Fulton County

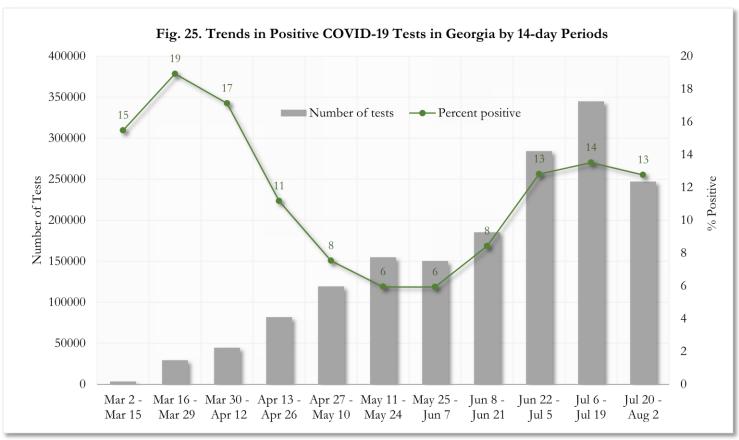
	LT	CF Residents (n=4,	731)	LTCF Staff (n=3,699)			
	Cases Hospitalizations Deaths			Cases	Hospitalizations	Deaths	
Average (count per fac.) ¹	20	5	4	8	1	< 0.1	
Median (count per fac.)1	8	2	0	4	0	0	
Lowest counts	1	0	0	0	0	0	
Highest counts	136	48	29	53	8	1	
Total Count	1202 (25.4%) ^a	284 (23.6%) ^b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

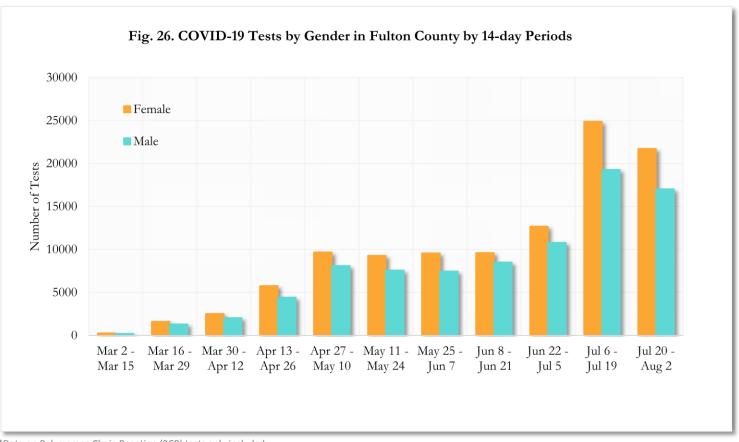
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY



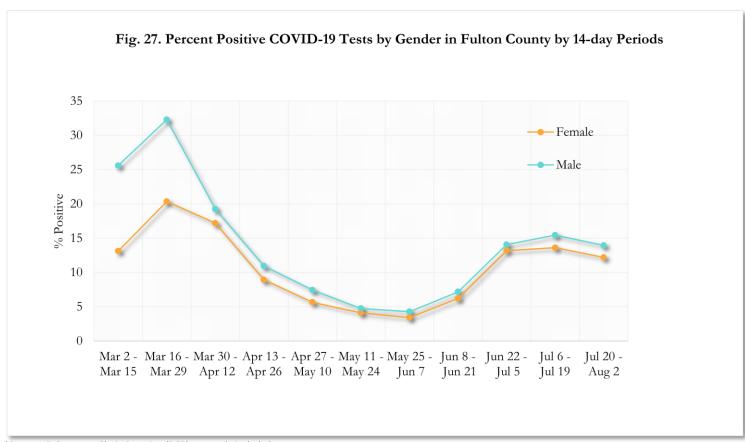
*Data on Polymerase Chain Reaction (PCR) tests only included.



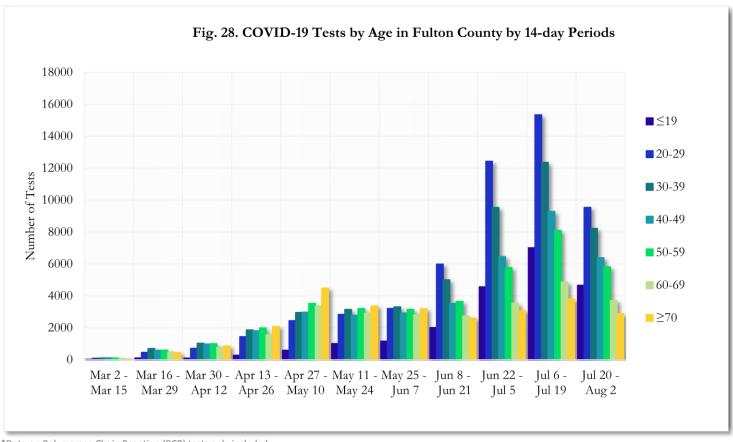
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



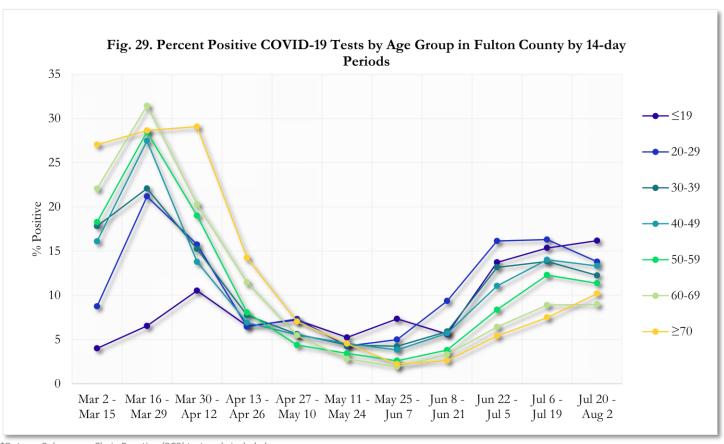
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



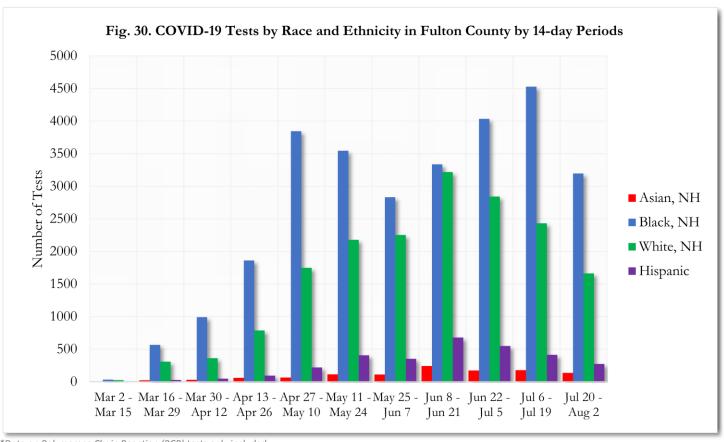
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



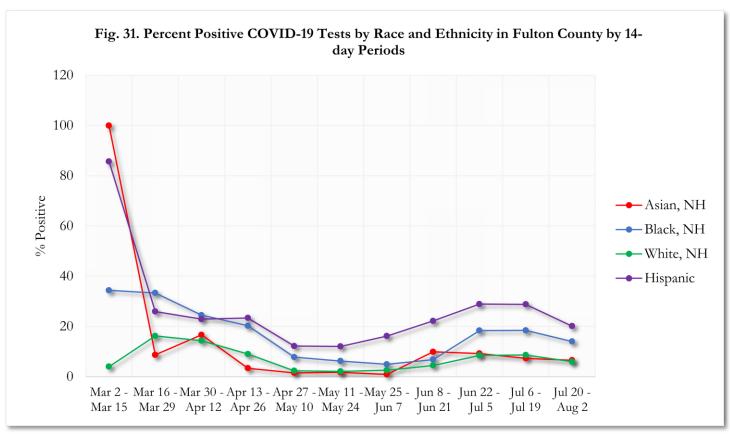
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



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