

Fulton County Board of Health Epidemiology Report

COVID-19 Diagnoses – 8/31/2020

SUMMARY

- As of August 31, 2020, Fulton County has recorded 24,894 cases of the 2019 novel coronavirus (COVID-19) and 518 deaths.
- Of 2,026 **new diagnoses** made between August 11 and August 24, the central portion of the county (Atlanta metro) accounted for 34% while the northern and southern parts accounted for 34% and 18% respectively.
- By city, **new** COVID-19 diagnoses rates range from 119.5 per 100,000 persons (Sandy Springs) to 251.6 per 100,000 persons (Palmetto). [Fulton County Diagnoses Rates (per 100,000 persons): Cumulative 2339.8; Incident –190.4]. See map showing incident case rate by ZIP code on Pg.4.
- Among all persons diagnosed with COVID-19 in Fulton County, 8.6% required hospitalization and 2.1% died.
- Residents and staff of long-term care facilities account for 7.4% of COVID-19 diagnoses and 42.9% of COVID-19 deaths in Fulton County.

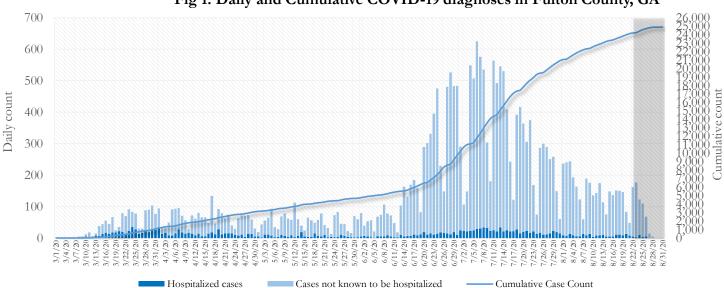


Fig 1. Daily and Cumulative COVID-19 diagnoses in Fulton County, GA

*Counts shown reflect the number of confirmed cases as of 9:00am on 8/31/20 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: 34% of the new COVID-19 cases diagnosed in the past 2 weeks occurred in Atlanta while 34% and 18% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative	% New	
Tulion Region	count	cases*	
Atlanta	42.4%	34.3%	
North ¹	25.7%	33.9%	
South ²	20.1%	18.3%	
Unincorporated/Unknown	11.8%	13.6%	

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 8/11/20 - 8/24/20).

Fig. 2. Distribution of COVID 19 cases by Region

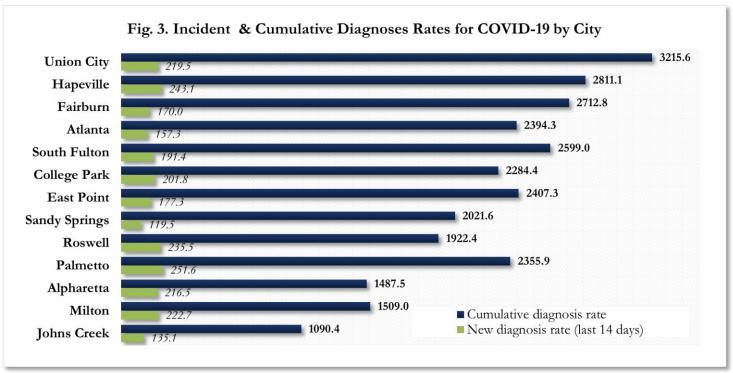


Percent of confirmed cases

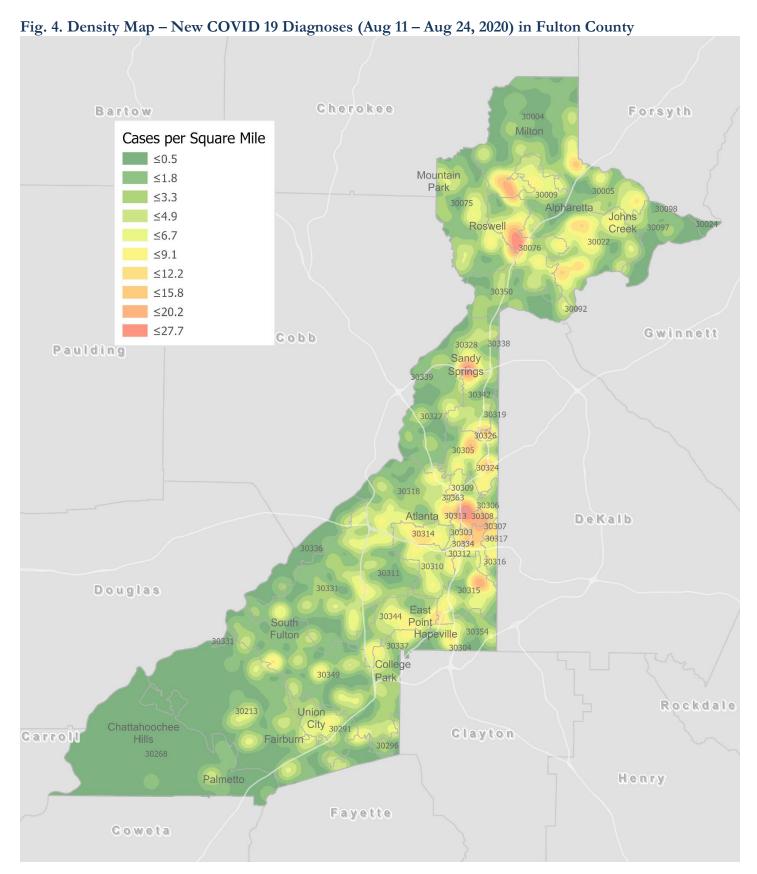
COVID-19 CASE COUNTS AND RATES BY CITY

	Prior (8/28/20)	Current Total (8/31/20)			New Cases (Period: 7/27/20 – 8/24/20) ¹			
	Count	Count	%	Cum. Rate ²	1 st 14 d. (7/27– 8/10)	Last 14 d. (8/11– 8/24)	% change ³	Rate ⁴ (<i>Last 14</i> d).
Atlanta	10323	10563	42.4%	2394.3	1013	694	↓ 31.5%	157.3
South Fulton	2434	2472	9.9%	2599.0	268	182	↓ 32.1%	191.4
Sandy Springs	2070	2131	8.6%	2021.6	230	126	↓ 45.2%	119.5
Roswell	1725	1812	7.3%	1922.4	256	222	↓ 13.3%	235.5
East Point	823	842	3.4%	2407.3	102	62	↓ 39.2%	177.3
Johns Creek	869	912	3.7%	1090.4	143	113	↓ 21.0%	135.1
Union City	660	674	2.7%	3215.6	81	46	↓ 43.2%	219.5
Alpharetta	921	962	3.9%	1487.5	143	140	↓ 2.1%	216.5
Milton	548	576	2.3%	1509.0	96	85	↓ 11.5%	222.7
Fairburn	389	399	1.6%	2712.8	54	25	↓ 53.7%	170.0
College Park	308	317	1.3%	2284.4	38	28	↓ 26.3%	201.8
Palmetto	101	103	0.4%	2355.9	21	11	↓ 47.6%	251.6
Hapeville	179	185	0.7%	2811.1	23	16	↓ 30.4%	243.1
Mountain Park	5	5	0.0%	800.0	<10	0	-	0.0
Chattahooche Hills	0	0	0.0%	-	-	-	-	-
Unknown	3539	2941	11.8%	-	376	272	-	

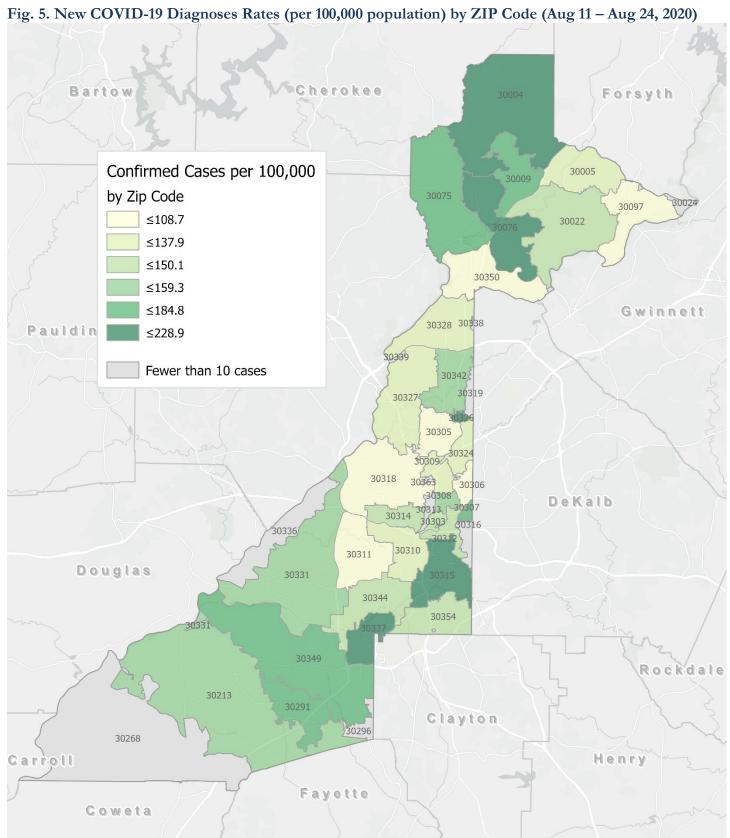
*New cases: Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. *Cumulative diagnosis 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 11th and Aug 24th, 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 outbreakrelated 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 (8/28/20)	Current To	Current Total (8/31/20)		New Cases (Period: 7/27/20 – 8/24/20) ¹			
	Count	Count	0/0	1st 14 days (Jul 27 – Aug 10)	Last 14 d. (Aug 11 – Aug 24)	% change ²		
All Fulton	24543	24894	100.0%	2851	2026	↓ 28.9%		
30331	1576	1585	6.4%	168	104	↓ 38.1%		
30318	1456	1481	5.9%	155	82	↓ 47.1%		
30349	1626	1644	6.6%	190	140	↓ 26.3%		
30213	956	965	3.9%	137	76	↓ 44.5%		
30315	758	768	3.1%	114	81	↓ 28.9%		
30344	768	781	3.1%	98	58	↓ 40.8%		
30311	702	709	2.8%	92	42	↓ 54.3%		
30342	1049	1060	4.3%	79	67	↓ 15.2%		
30314	518	521	2.1%	48	32	↓ 33.3%		
30310	660	662	2.7%	79	43	↓ 45.6%		
30308	426	441	1.8%	29	37	[†] 27.6%		
30022	986	1003	4.0%	151	134	↓ 11.3%		
30327	454	464	1.9%	53	31	↓ 41.5%		
30004	878	901	3.6%	138	147	↑ 6.5%		
30309	670	676	2.7%	55	38	↓ 30.9%		
30076	878	899	3.6%	154	121	↓ 21.4%		
30291	686	696	2.8%	78	44	↓ 43.6%		
30350	478	486	2.0%	65	31	↓ 52.3%		
30075	883	904	3.6%	110	106	↓ 3.6%		
30328	687	697	2.8%	85	47	↓ 44 .7%		
30316	366	367	1.5%	37	37	\leftrightarrow		
30312	710	716	2.9%	41	43	† 4.9%		
30005	443	457	1.8%	71	52	↓ 26.8%		
30305	669	679	2.7%	40	38	↓ 5.0%		
30306	308	312	1.3%	32	16	↓ 50.0%		
30324	795	802	3.2%	65	52	↓ 20.0%		
30337	296	300	1.2%	33	30	↓ 9.1%		
30009	343	354	1.4%	48	43	↓ 10.4%		
30313	157	171	0.7%	14	11	↓ 21.4%		
30326	195	196	0.8%	13	11	↓ 15.4%		
30097	183	184	0.7%	22	12	↓ 45.5%		
30354	378	381	1.5%	51	29	↓ 43.1%		
30303	370	369	1.5%	36	12	↓ 66.7%		
30339	302	311	1.2%	48	35	J 27.1%		
30268	169	170	0.7%	31	17	↓ 45.2%		
30307	176	185	0.7%	25	28	12.0%		
30319	113	114	0.5%	10	<10	↓ 50.0%		
30336	78	78	0.3%	<10	<10	-		
30296	39	39	0.2%	<10	<10	-		
30363	57	57	0.2%	<10	<10	-		
30301	<10	<10	<0.1%	<10	<10	-		
30345	37	36	0.1%	<10	0	↓ 100.0%		
31131	<10	<10	<0.1%	<10	<10	-		
30023	<10	<10	<0.1%	0	0	\leftrightarrow		
30080	<10	<10	<0.1%	<10	0	↓ 100.0%		
30135	<10	<10	<0.1%	0	0	\leftrightarrow		
30138	<10	<10	<0.1%	0	0	\leftrightarrow		
30139	-	-	-	0	0	\leftrightarrow		
30321	12	12	<0.1%	<10	<10	-		
30340	35	35	0.1%	<10	<10	-		

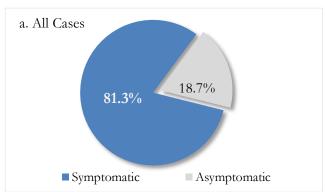
30341	38	38	0.2%	<10	0	↓ 100.0%
30358	<10	<10	<0.1%	0	0	\leftrightarrow
30374	31	31	0.1%	<10	0	↓ 100.0%
30606	<10	<10	<0.1%	0	0	\leftrightarrow
31150	<10	<10	<0.1%	<10	0	↓ 100.0%
30024	14	15	<0.1%	<10	<10	-
30098	-	-	-	0	0	\leftrightarrow
30334	14	14	<0.1%	<10	0	↓ 100.0%
30338	160	169	0.7%	24	20	↓ 16.7%
Unknown	1268	916	3.7%	87	61	-

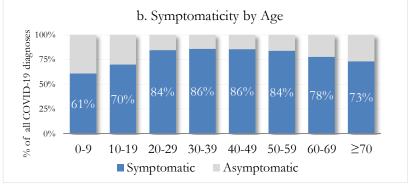
<u>New cases:</u> Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. <u>Percent change: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

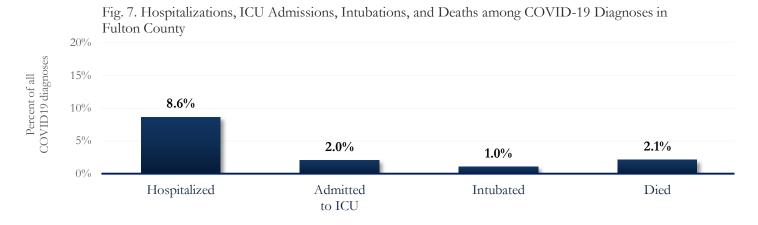
Fig. 6a & b. Proportion Reporting Symptoms in Fulton





COVID-19 cases who have been case interviewed or had medical charts reviewed as at 8/31/20 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

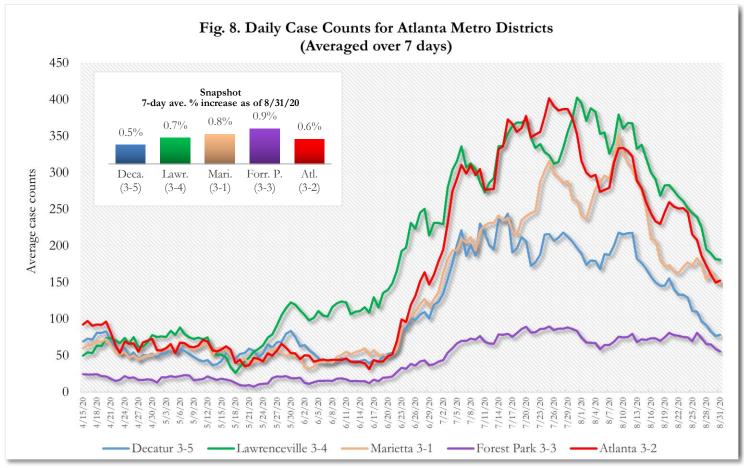
		North Fulton Cities ¹	Atlanta	South Fulton Cities ²	Unknown City	All Fulton
		Count (%)	Count (%)	Count (%)	Count (%)	Count (%)
Total COVID-19 cases		6398	10563	4992	2941	24894
Gende	r: Female	3161 (49.4%)	5078 (48.1%)	2707 (54.2%)	1452 (49.4%)	12398 (49.8%)
	Male	2994 (46.8%)	4830 (45.7%)	2038 (40.8%)	1327 (45.1%)	11189 (44.9%)
	Unknown	243 (3.8%)	655 (6.2%)	247 (4.9%)	162 (5.5%)	1307 (5.3%)
Age:	0-9	197 (3.1%)	188 (1.8%)	149 (3.0%)	74 (2.5%)	608 (2.4%)
	10-19	886 (13.8%)	661 (6.3%)	344 (6.9%)	205 (7.0%)	2096 (8.4%)
	20-29	1402 (21.9%)	3008 (28.5%)	988 (19.8%)	770 (26.2%)	6168 (24.8%)
	30-39	1022 (16.0%)	2296 (21.7%)	1033 (20.7%)	619 (21.0%)	4970 (20.0%)
	40-49	1027 (16.1%)	1410 (13.3%)	913 (18.3%)	455 (15.5%)	3805 (15.3%)
	50-59	905 (14.1%)	1185 (11.2%)	685 (13.7%)	360 (12.2%)	3135 (12.6%)
	60-69	482 (7.5%)	810 (7.7%)	463 (9.3%)	228 (7.8%)	1983 (8.0%)
	≥70	470 (7.3%)	981 (9.3%)	404 (8.1%)	222 (7.5%)	2077 (8.3%)
	Unknown	<10	24 (0.2%)	13 (0.3%)	<10	52 (0.2%)
Race:	Asian, NH	169 (2.6%)	142 (1.3%)	16 (0.3%)	53 (1.8%)	380 (1.5%)
	Black, NH	582 (9.1%)	4458 (42.2%)	2905 (58.2%)	812 (27.6%)	8757 (35.2%)
	White, NH	1890 (29.5%)	1826 (17.3%)	186 (3.7%)	586 (19.9%)	4488 (18.0%)
	Hispanic	1086 (17.0%)	599 (5.7%)	355 (7.1%)	297 (10.1%)	2337 (9.4%)
	Other, NH	236 (3.7%)	292 (2.8%)	93 (1.9%)	107 (3.6%)	728 (2.9%)
	Unknown	2435 (38.1%)	3246 (30.7%)	1437 (28.8%)	1086 (36.9%)	8204 (33.0%)

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

	, 0	<u> </u>			
	North Fulton Cities ¹ Count (%)	Atlanta Count (%)	South Fulton Cities ² Count (%)	Unknown City Count (%)	All Fulton Count (%)
Total COVID-19 death	s 100	245	130	43	518
Gender: Female	45 (45.0%)	107 (43.7%)	68 (52.3%)	23 (53.5%)	243 (46.9%)
Male	55 (55.0%)	138 (56.3%)	62 (47.7%)	20 (46.5%)	275 (53.1%)
Unknown	0	0	0	0	0
Age: ≤ 29	0	<10	<10	0	<10
30-39	<10	<10	<10	<10	11 (2.1%)
40-49	<10	<10	<10	<10	21 (4.1%)
50-59	<10	22 (9.0%)	17 (13.1%)	<10	44 (8.5%)
60-69	12 (12.0%)	47 (19.2%)	32 (24.6%)	<10	96 (18.5%)
≥70	79 (79.0%)	159 (64.9%)	71 (54.6%)	33 (76.7%)	342 (66.0%)
Unknown	0	0	0	0	0
Race: Asian, NH	<10	<10	<10	<10	<10
Black, NH	17 (17.0%)	208 (84.9%)	111 (85.4%)	23 (53.5%)	359 (69.3%)
White, NH	73 (73.0%)	29 (11.8%)	12 (9.2%)	16 (37.2%)	130 (25.1%)
Hispanic	<10	<10	<10	<10	17 (3.3%)
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

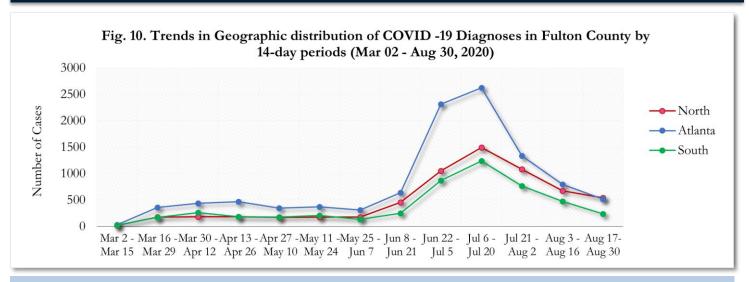


^{*}Graph shows the average number of cases calculated from the daily cumulative case counts in the metro Atlanta districts. Increases in daily cumulative case counts may include cases diagnosed earlier during the pandemic but were only recently reported to the state as cases diagnosed belonging to these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

Hall Forsyth Bartow Cherokee Jackson 761K Barrow Paulding Gwinnett Oconee anville Walton Fulton DeKalb Douglas Rockdale Morgan Clayton Newton Carroll Henry Favette **Health Districts** Cases per Square Mile ≤0.8 ≤2.5 Jasper ≤4.4 Spalding 3-4 ≤6.5 3-1 ≤9.0 3-5 ≤11.9 ≤15.5 ≤20.7 Troup ≤30.0 onroe Jones Pike ≤48.8 Upsan

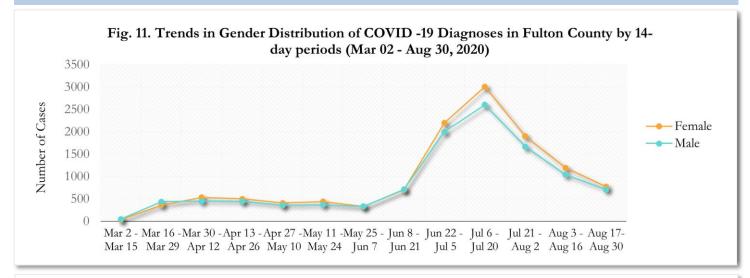
Fig. 9. COVID-19 Cases in Fulton County and Surrounding Districts (Aug 11 – Aug 24, 2020)

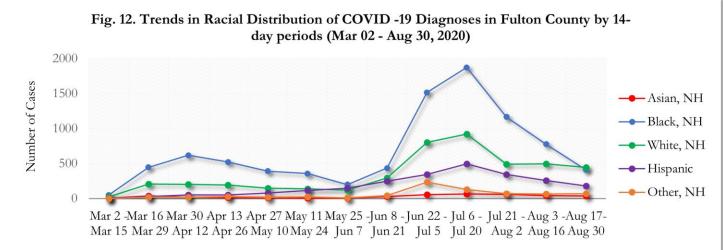
TRENDS IN COVID-19 CASES AMONG DEMOGRAPHIC GROUPS (14 DAY PERIODS)



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

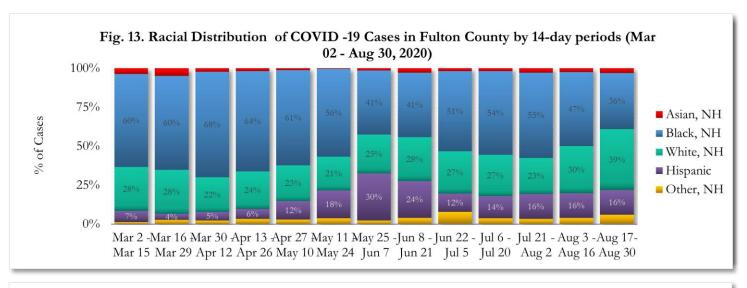
^{*}South - Includes all Fulton cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, and Union City)

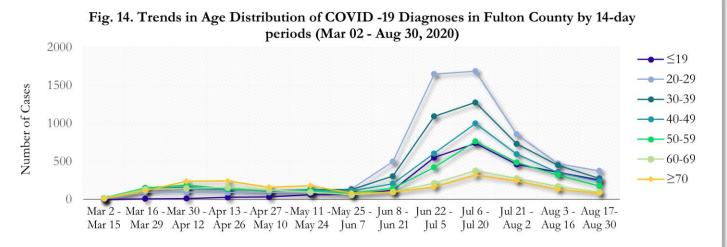




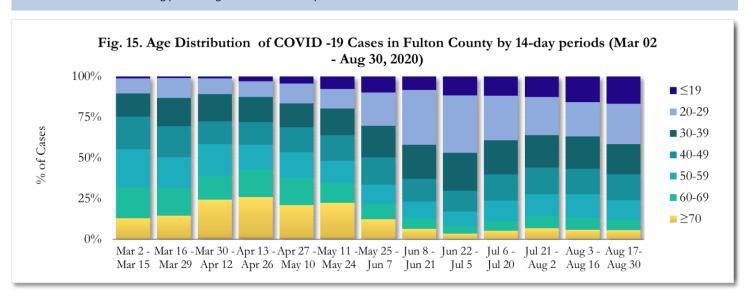
About 33% of COVID cases are missing data on patient race and ethnicity. For the first time since March, the majority of diagnoses made in the past two weeks were White-NH (39%) rather than Black-NH (36%).

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

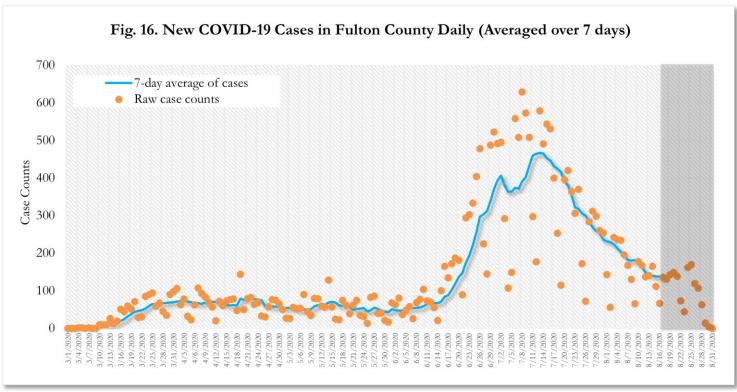




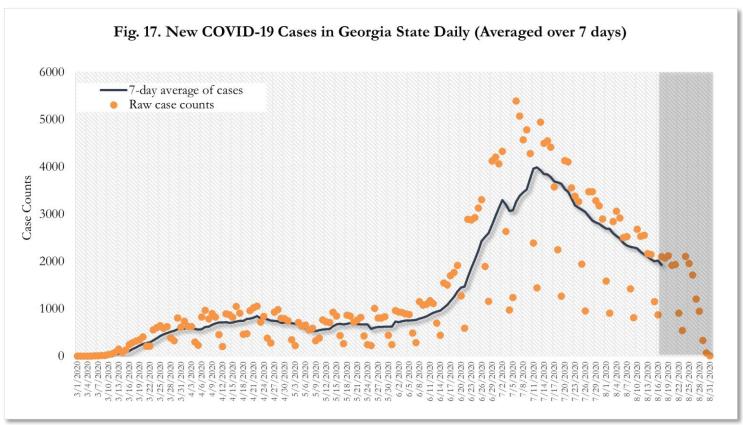
Earlier (March-May 2020) large proportions of reported cases were among persons aged 60 and older. However, starting in June, a higher number of cases were among persons aged between 20-29 years.



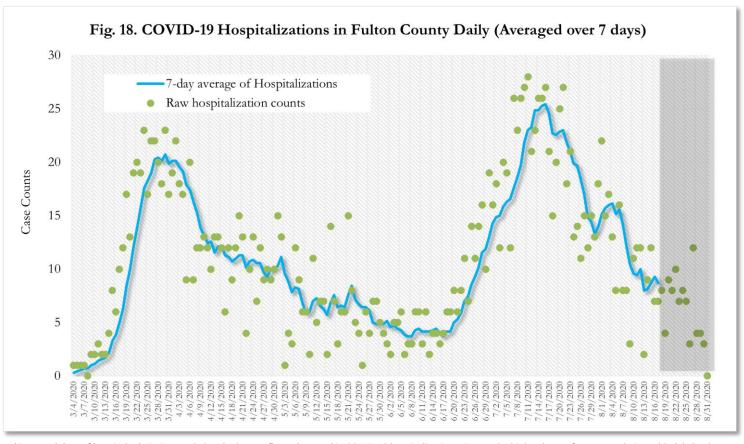
TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)



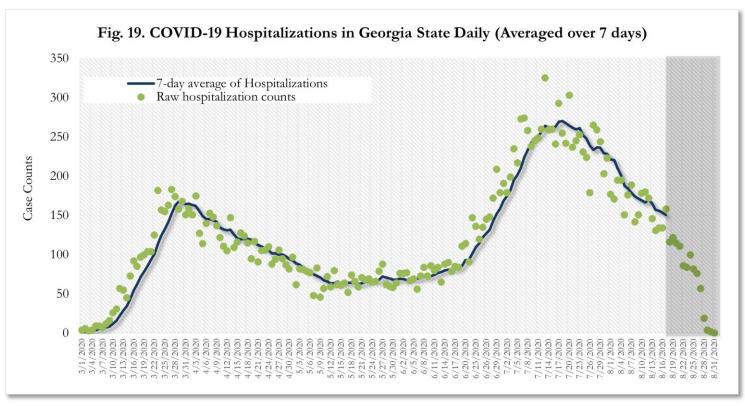
*Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject to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



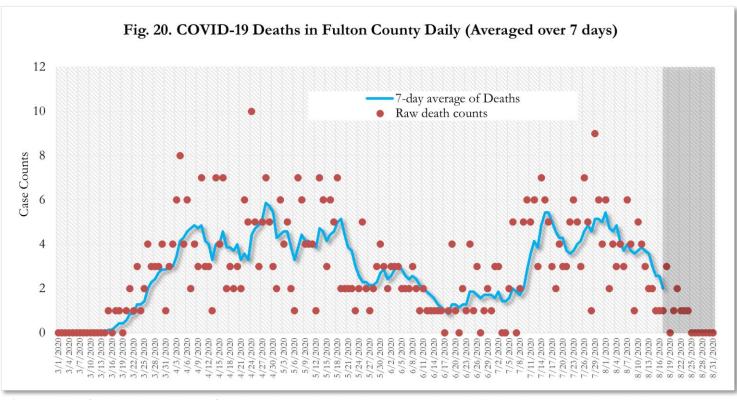
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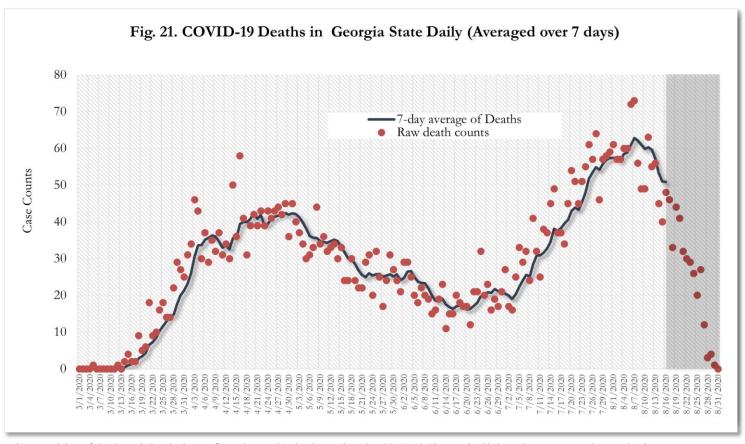
^{*}Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the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

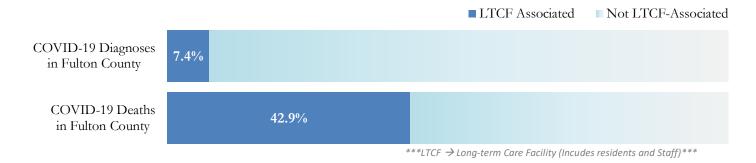


^{*}Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

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

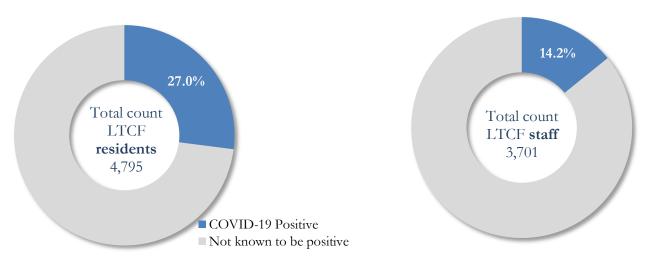
Older persons (aged 65 years and older) and persons who live in nursing homes or other long-term care facilities seem to be at higher risk for developing more serious complications from COVID-19. Extra precautions are recommended for individuals within this risk groups – Centers for Disease Control and 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

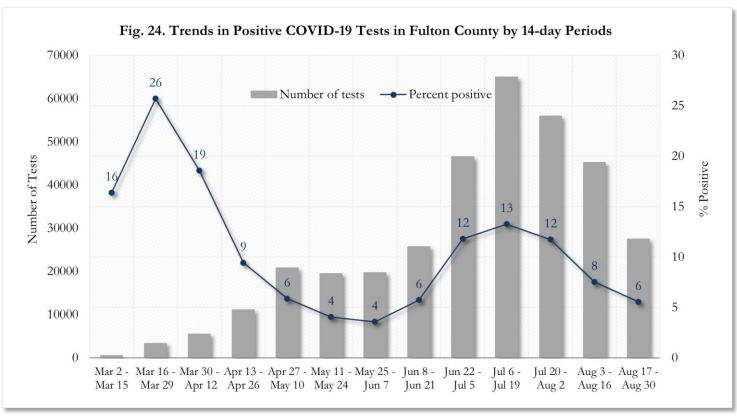


COVID-19 Cases, Hospitalizations, and Deaths among 59 reporting Long-Term Care Facilities in Fulton County

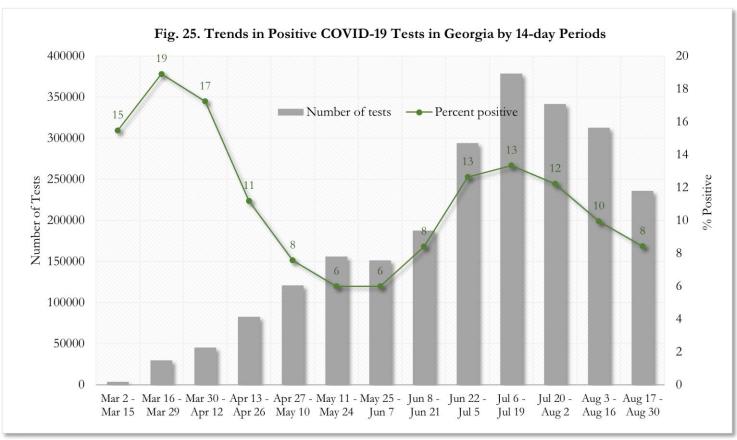
	LT	CF Residents (n=4,7	795)	LTCF Staff (n=3,701)		
	Cases	Hospitalizations	Deaths	Cases	Hospitalizations	Deaths
Average (count per fac.)1	22	5	4	9	1	< 0.1
Median (count per fac.)1	8	2	1	5	0	0
Lowest counts	1	0	0	0	0	0
Highest counts	136	48	29	63	8	2
Total Count	1296 (27.0%)a	296 (22.8%)b	211 (16.3%) ^b	525 (14.2%) ^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.

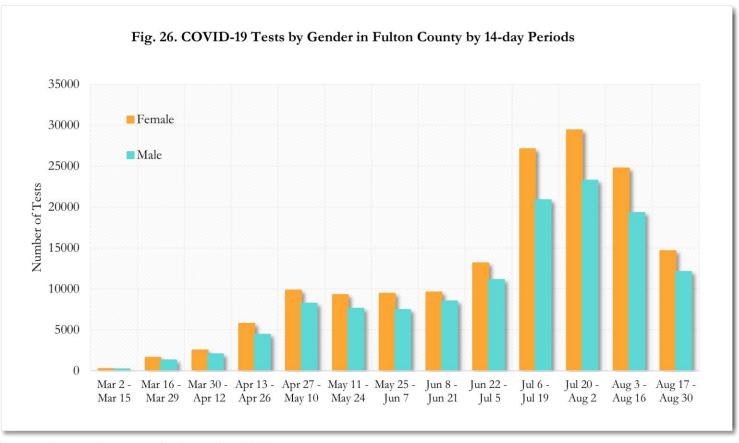
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY



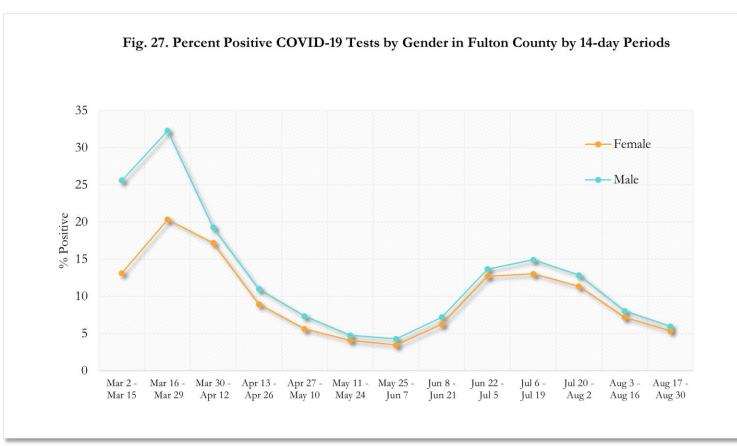
*Data on Polymerase Chain Reaction (PCR) tests only included.



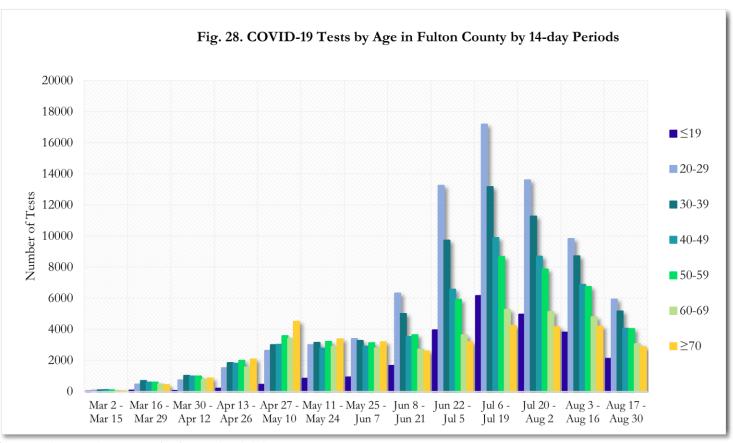
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



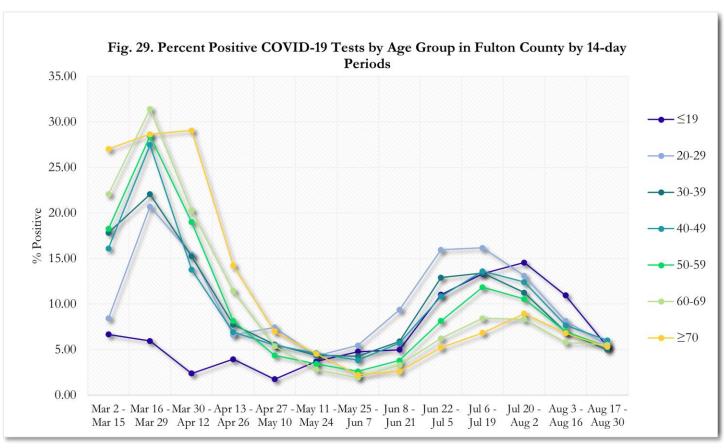
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



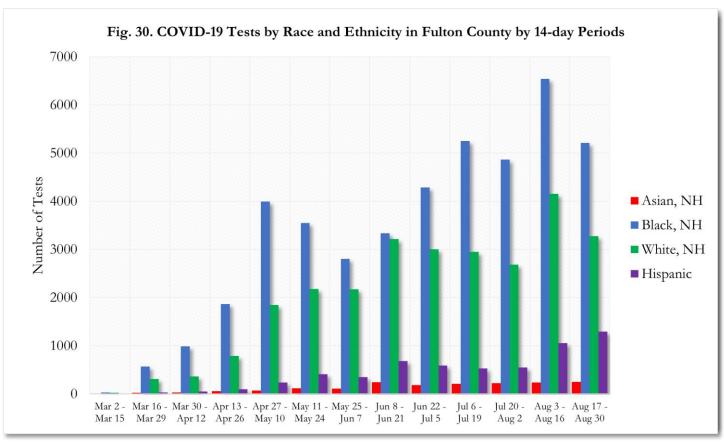
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



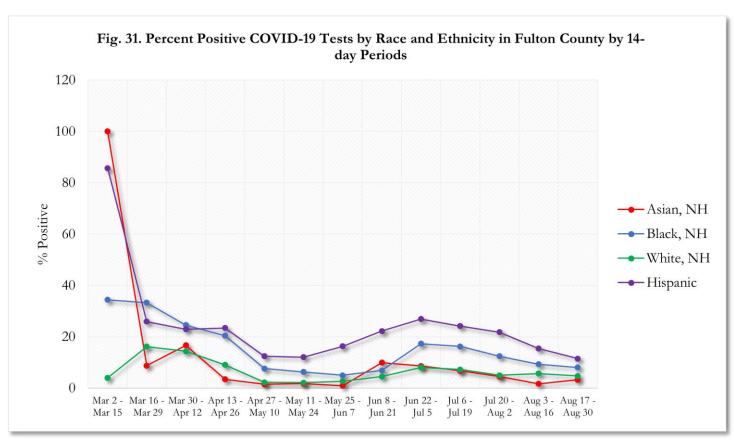
*Data on Polymerase Chain Reaction (PCR) tests only included.



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