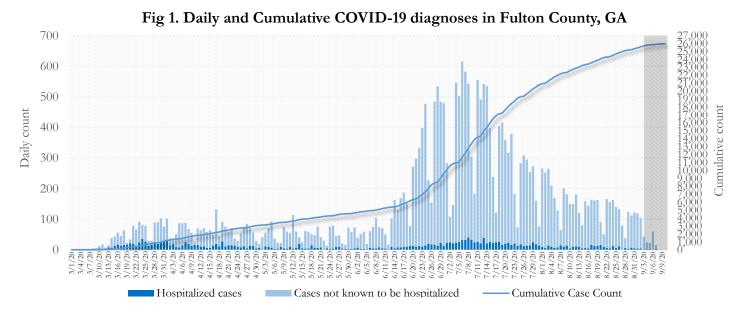


Fulton County Board of Health Epidemiology Report

COVID-19 Diagnoses - 9/11/2020

SUMMARY

- As of September 11, 2020, Fulton County has recorded 25,963 cases of the 2019 novel coronavirus (COVID-19) and 551 deaths.
- Of **1,734** new diagnoses made between August 21 and September 4, the central portion of the county (Atlanta metro) accounted for 36% while the northern and southern parts accounted for 43% and 13% respectively.
- By city, new COVID-19 case rates range from 91.5 per 100,000 persons (Palmetto) to 243.0 per 100,000 persons (Roswell). [Fulton County Diagnoses Rates (per 100,000 persons): Cumulative 2440.3; Incidence –163.0]. See map showing incident case rate by ZIP code on Pg.17.
- Among all persons diagnosed with COVID-19 in Fulton County since May 1, 6.4% required hospitalization and 1.3% died.
- Of all testing done in Fulton County between August 17 and August 30, the percent positivity rate was 6%.



*Counts shown reflect the number of confirmed cases as of 6:00pm on 9/10/20 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:** Delays in data reporting may cause changes in data counts, particularly in the shaded portion. Data throughout this report is preliminary and subject to ongoing data cleaning processes, and thus is subject to change.

DISTRIBUTION OF COVID-19 DIAGNOSES BY REGION

New cases: 36% of the new COVID-19 cases diagnosed in the past 2 weeks occurred in Atlanta while 43% and 13% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative	% New	
Tulion Region	count	cases*	
Atlanta	42.3%	36.1%	
North ¹	26.9%	43.3%	
South ²	19.8%	13.1%	
Unincorporated/Unknown	11.0%	7.6%	

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 8/21/20 – 9/4/20).

In the past two weeks (8/21-9/4), there were fewer new cases of COVID-19 in Fulton County than the previous two weeks (8/7-8/20).

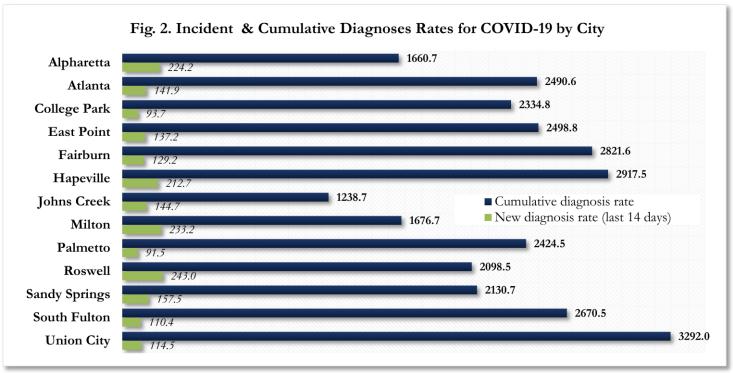


*Delayed a week to account for testing results turnaround time.

COVID-19 CASE COUNTS AND RATES BY CITY

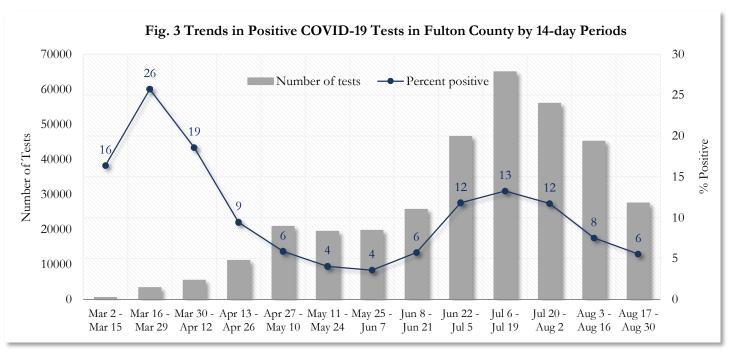
	Prior (9/9/20)	Current Total (9/11/20)			New Cases (Period: 8/07/20 – 9/04/20)1			
	Count	Count	%	Cum. Rate ²	1 st 14 d. (8/7– 8/20)	Last 14 d. (8/21-9/4)	% change ³	Rate ⁴ (Last 14 d).
Alpharetta	1050	1074	4.1%	1660.7	120	145	↑ 20.8%	224.2
Atlanta	10947	10988	42.3%	2490.6	736	626	↓ 14.9%	141.9
Chattahoochee Hills	0	0	0.0%	-	-	-	-	-
College Park	323	324	1.2%	2334.8	32	13	↓ 59.4%	93.7
East Point	869	874	3.4%	2498.8	78	48	↓ 38.5%	137.2
Fairburn	414	415	1.6%	2821.6	27	19	↓ 29.6%	129.2
Hapeville	192	192	0.7%	2917.5	12	14	1 16.7%	212.7
Johns Creek	1021	1036	4.0%	1238.7	112	121	† 8.0%	144.7
Milton	632	640	2.5%	1676.7	76	89	17.1%	233.2
Mountain Park	6	6	0.0%	960.0	<10	0	-	-
Palmetto	105	106	0.4%	2424.5	13	<10	↓ 69.2%	91.5
Roswell	1958	1978	7.6%	2098.5	208	229	↑ 10.1%	243.0
Sandy Springs	2237	2246	8.7%	2130.7	128	166	† 29.7%	157.5
South Fulton	2532	2540	9.8%	2670.5	188	105	↓ 44.1%	110.4
Union City	686	690	2.7%	3292.0	54	24	↓ 55.6%	114.5
Unknown	2991	2854	11.0%	-	278	131	-	-

*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.

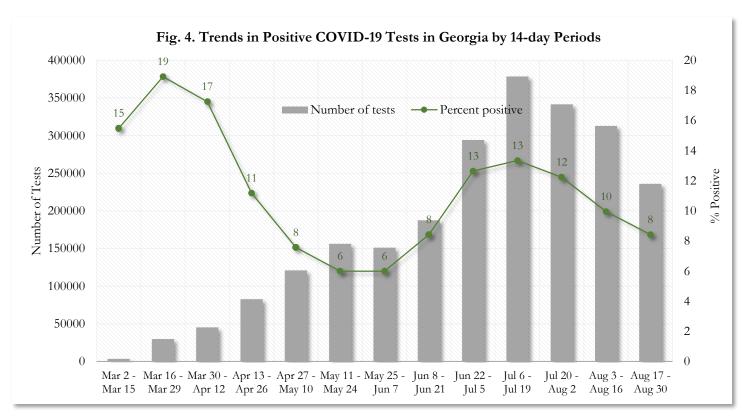


^{*}Rates shown are per 100,000 persons | **Note:** Mass testing in specific locations (e.g. long term care facilities) may cause sharp increases in the cumulative rate of COVID-19 diagnosis in those territories. All data shown are preliminary and are subject to change as testing results get updated.

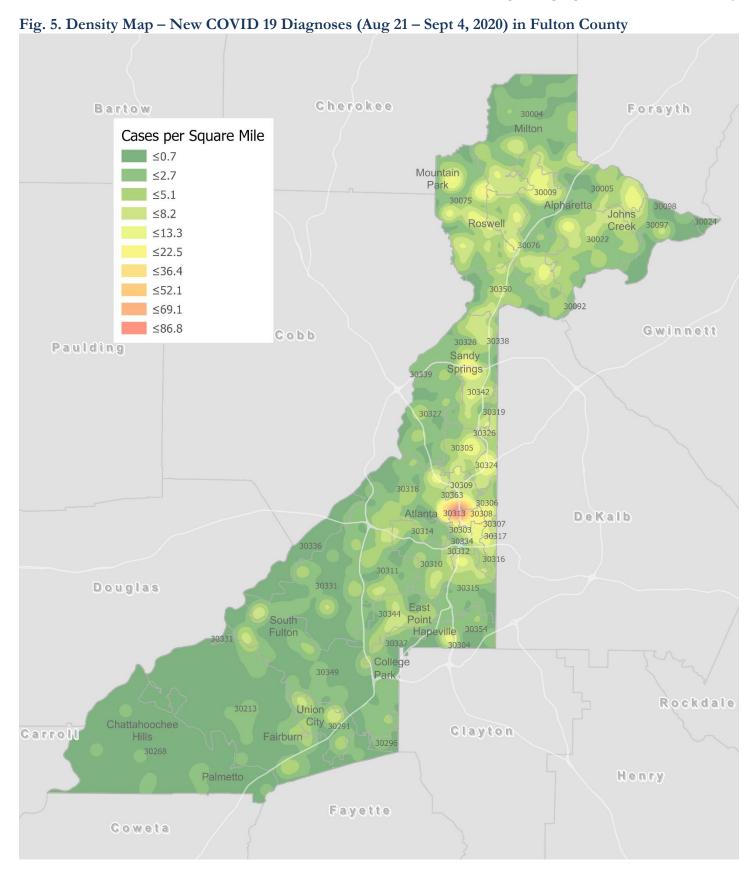
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY AND GEORGIA



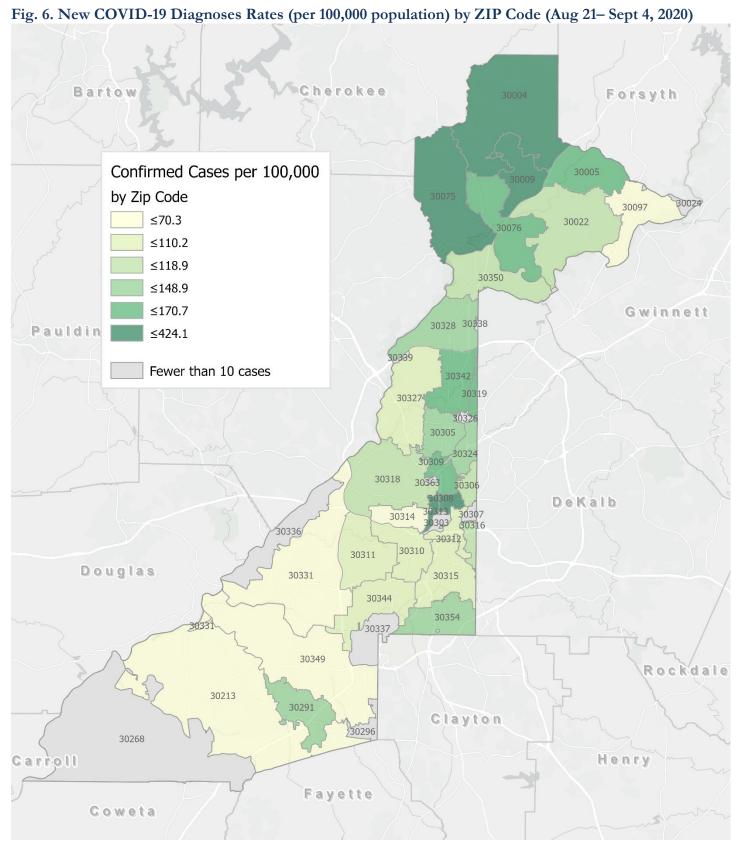
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



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



<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 21st and Sept 4th, 2020 across Fulton County.



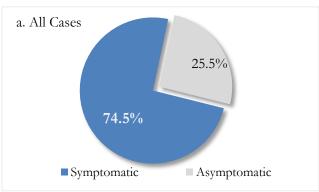
*Rates shown are per 100,000 populations.

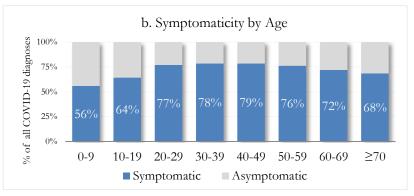
New COVID-19 cases: Cases diagnosed in most recent 14 days (based on reported dates of positive sample collection). To allow for lag in reporting results of positive cases from samples collected in the immediate past7 days, data used for incident diagnoses analyses are moved back by one week. Data used 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. See page 17 for zip code break down table.

REPORTING SYMPTOMS AMONG PERSONS 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

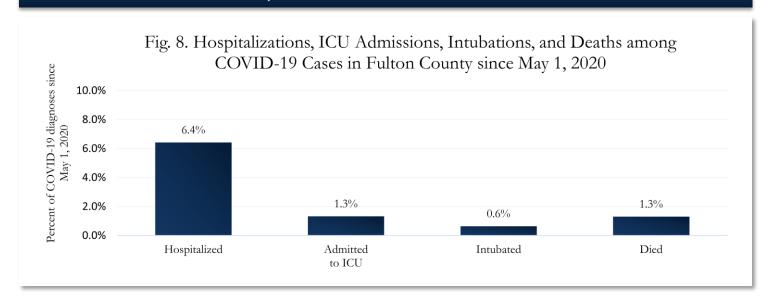
Fig. 7a & b. Total Proportion Reporting Symptoms in Fulton County





^{***}COVID-19 cases who have been case interviewed or had medical charts reviewed as of 9/10/20 only. n = 15,332***

COVID-19 HOSPITALIZATIONS, ICU ADMISSIONS AND DEATHS IN FULTON



DEMOGRAPHIC DISTRIBUTIONS – COVID 19 CASES AND DEATHS

A. Distribution of COVID-19 cases by gender, age, and race 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	6980	10988	5141	2854	25963
Gender: Female	3506 (50.2%)	5306 (48.3%)	2806 (54.6%)	1423 (49.9%)	13041 (50.2%)
Male	3262 (46.7%)	5078 (46.2%)	2105 (40.9%)	1293 (45.3%)	11738 (45.2%)
Unknown*	212 (3.0%)	604 (5.5%)	230 (4.5%)	138 (4.8%)	1184 (4.6%)
Age: 0-9	225 (3.2%)	195 (1.8%)	156 (3.0%)	73 (2.6%)	649 (2.5%)
10-19	1065 (15.3%)	734 (6.7%)	357 (6.9%)	207 (7.3%)	2363 (9.1%)
20-29	1533 (22.0%)	3184 (29.0%)	1008 (19.6%)	738 (25.9%)	6463 (24.9%)
30-39	1083 (15.5%)	2368 (21.6%)	1070 (20.8%)	594 (20.8%)	5115 (19.7%)
40-49	1100 (15.8%)	1445 (13.2%)	947 (18.4%)	443 (15.5%)	3935 (15.2%)
50-59	974 (14.0%)	1218 (11.1%)	698 (13.6%)	355 (12.4%)	3245 (12.5%)
60-69	508 (7.3%)	828 (7.5%)	474 (9.2%)	225 (7.9%)	2035 (7.8%)
≥70	484 (6.9%)	990 (9.0%)	419 (8.2%)	210 (7.4%)	2103 (8.1%)
Unknown*	<10	26 (0.2%)	12 (0.2%)	<10	55 (0.2%)
Race: Asian, NH	226 (3.2%)	162 (1.5%)	16 (0.3%)	56 (2.0%)	460 (1.8%)
Black, NH	674 (9.7%)	4764 (43.4%)	3260 (63.4%)	831 (29.1%)	9529 (36.7%)
White, NH	2373 (34.0%)	2099 (19.1%)	200 (3.9%)	609 (21.3%)	5281 (20.3%)
Hispanic	1308 (18.7%)	652 (5.9%)	397 (7.7%)	314 (11.0%)	2671 (10.3%)
Other, NH	272 (3.9%)	327 (3.0%)	114 (2.2%)	100 (3.5%)	813 (3.1%)
Unknown*	2127 (30.5%)	2984 (27.2%)	1154 (22.4%)	944 (33.1%)	7209 (27.8%)

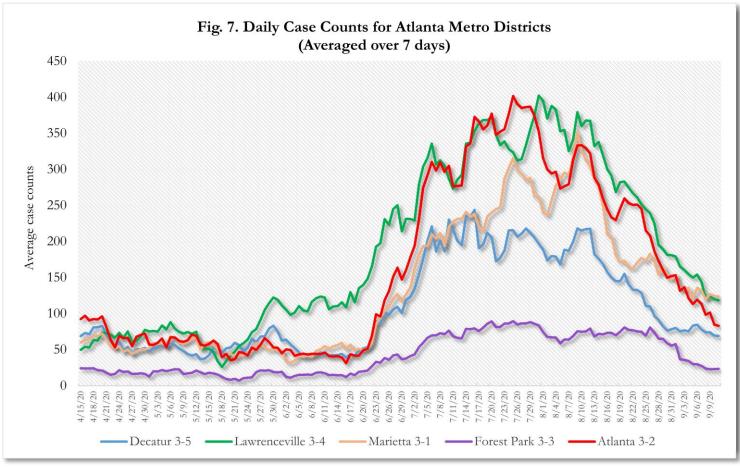
^{*}Unknown included cases not yet interviewed.

B. Distribution of COVID-19 deaths 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-1	9 deaths	111	262	137	41	551
Gender: Female		49 (44.1%)	116 (44.3%)	69 (50.4%)	25 (61.0%)	259 (47.0%)
Male		62 (55.9%)	146 (55.7%)	68 (49.6%)	16 (39.0%)	292 (53.0%)
Unknov	vn	0	0	0	0	0
Age: ≤ 29		0	<10	<10	0	<10
30-39		<10	<10	<10	<10	14 (2.5%)
40-49		<10	<10	<10	<10	23 (4.2%)
50-59		<10	24 (9.2%)	18 (13.1%)	<10	48 (8.7%)
60-69		14 (12.6%)	50 (19.1%)	33 (24.1%)	<10	101 (18.3%)
≥70		84 (75.7%)	170 (64.9%)	75 (54.7%)	32 (78.0%)	361 (65.5%)
Unknow	⁄n	0	<10	0	0	0
Race: Asian, N	Н	<10	<10	<10	<10	<10
Black, N	Н	19 (17.1%)	223 (85.1%)	116 (84.7%)	22 (53.7%)	380 (69.0%)
White, N	IН	78 (70.3%)	29 (11.1%)	13 (9.5%)	16 (39.0%)	136 (24.7%)
Hispanio		11 (9.9%)	<10	<10	<10	20 (3.6%)
Other, N	IН	0	<10	<10	0	<10
Unknow	n	0	<10	<10	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

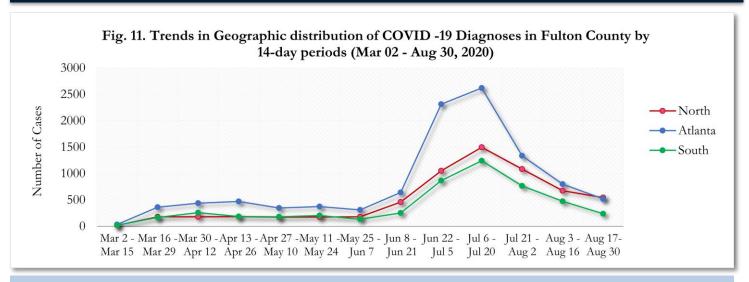


^{*}Graph shows the average number of cases calculated from the daily cumulative case counts in the metro Atlanta districts. Increases in daily cumulative case counts may include cases diagnosed earlier during the pandemic but were only recently reported to the state as cases diagnosed belonging to these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

Hall Forsyth Bartow Cherokee Jackson 761K Barrow Cobb Paulding Gwinnett Oconee Walton Fulton DeKalb Douglas Rockdale Morgan Clayton Newton Carroll Henry Favette **Health Districts** Cases per Square Mile ≤1.5 ≤3.8 Jasper ≤6.5 Spalding 3-4 ≤9.5 3-1 ≤13.7 3-5 ≤21.7 ≤36.6 ≤55.3 Troup ≤75.9 Jones Pike onroe ≤97.3 Upsan

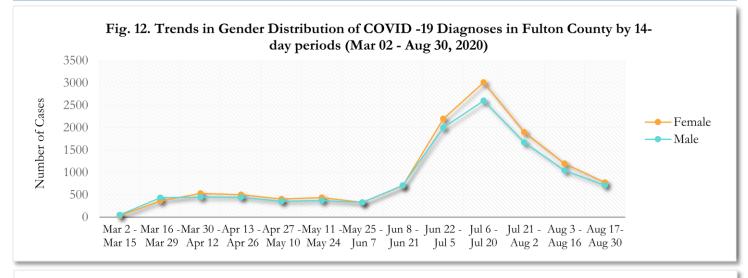
Fig. 10. COVID-19 Cases in Fulton County and Surrounding Districts (Aug 21 – Sept 2, 2020)

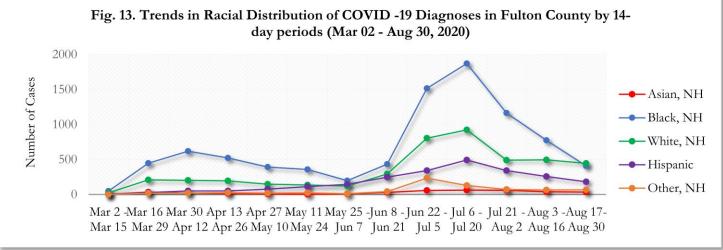
TRENDS IN COVID-19 CASES AMONG DEMOGRAPHIC GROUPS (14 DAY PERIODS)



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

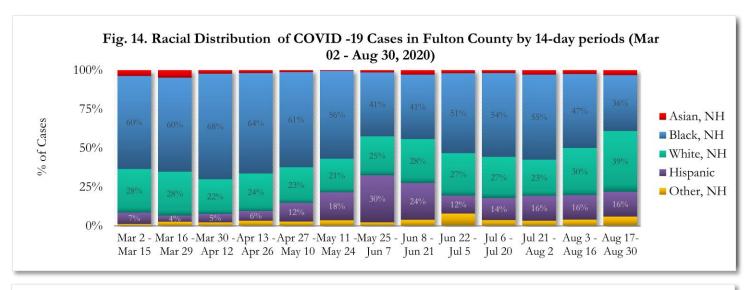
^{*}South - Includes all Fulton cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, and Union City)

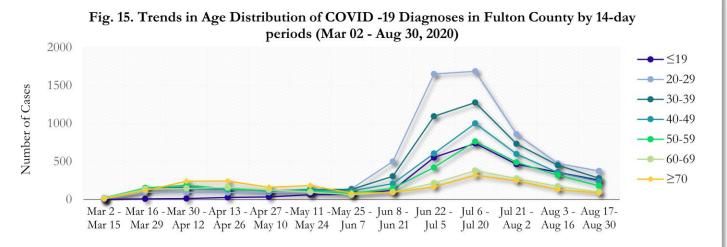




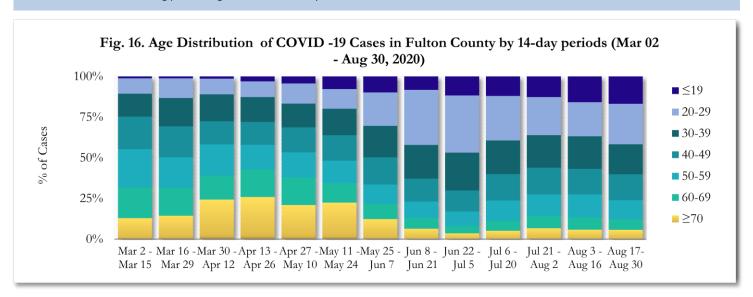
About 33% of COVID cases are missing data on patient race and ethnicity. For the first time since March, the majority of diagnoses made in the past two weeks were White-NH (39%) rather than Black-NH (36%).

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

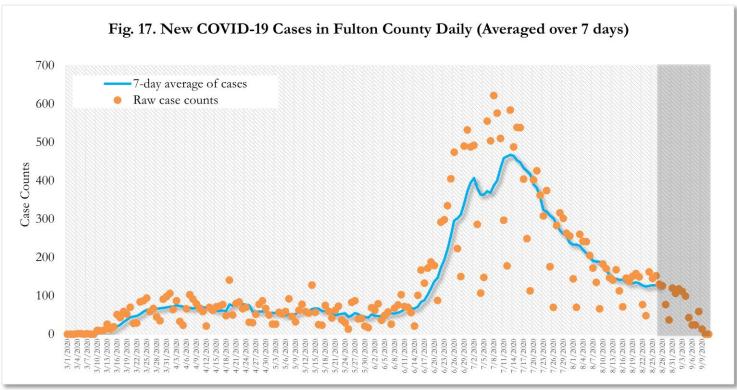




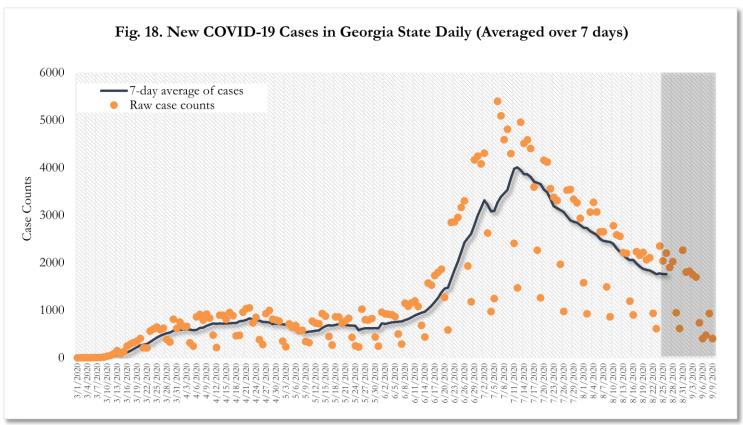
Earlier (March-May 2020) large proportions of reported cases were among persons aged 60 and older. However, starting in June, a higher number of cases were among persons aged between 20-29 years.



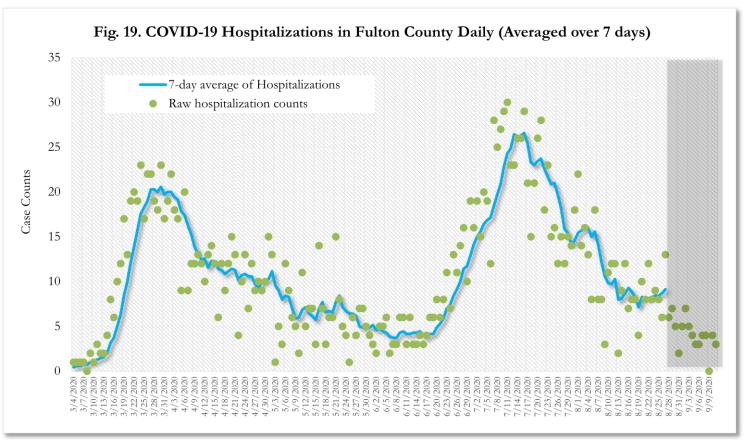
TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)



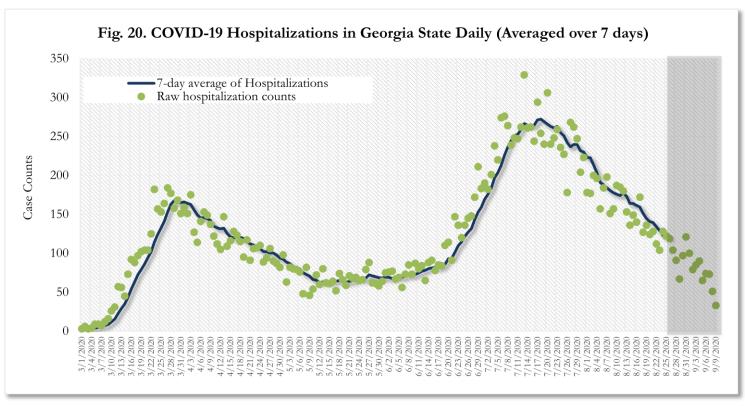
^{*}Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject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



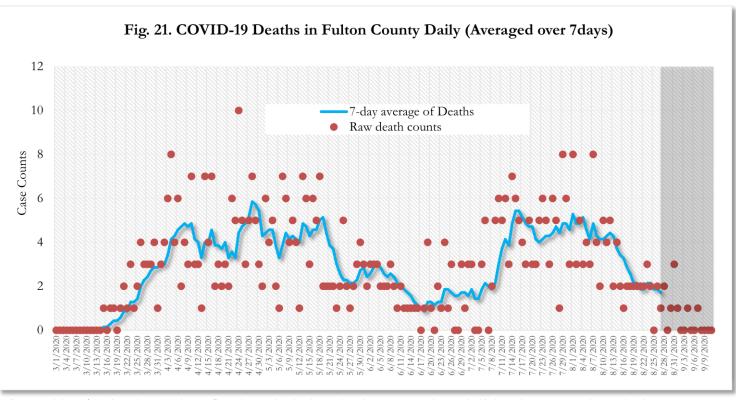
^{*}Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject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



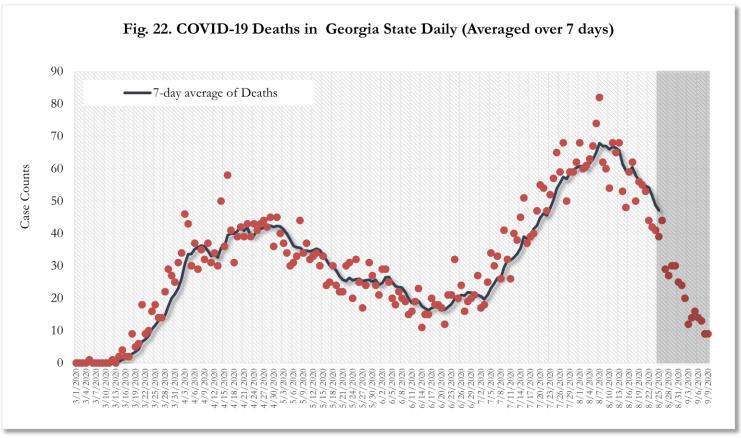
^{*}Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the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

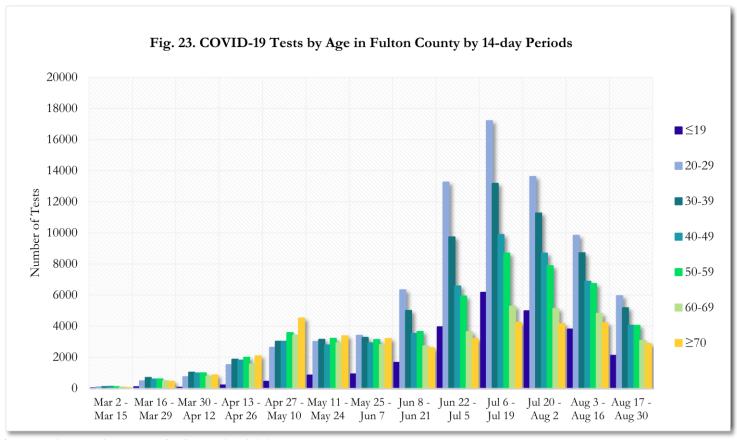


^{*} Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

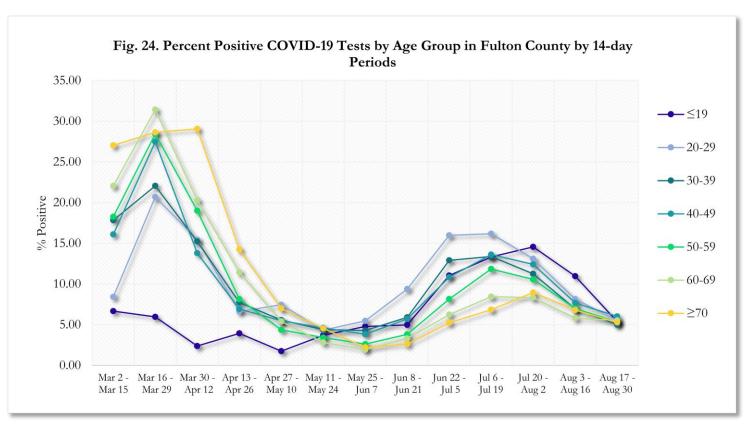


^{*}Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

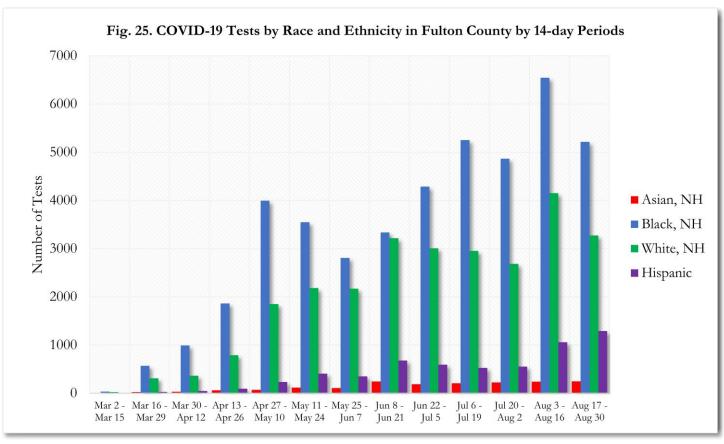
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY BY AGE AND RACE



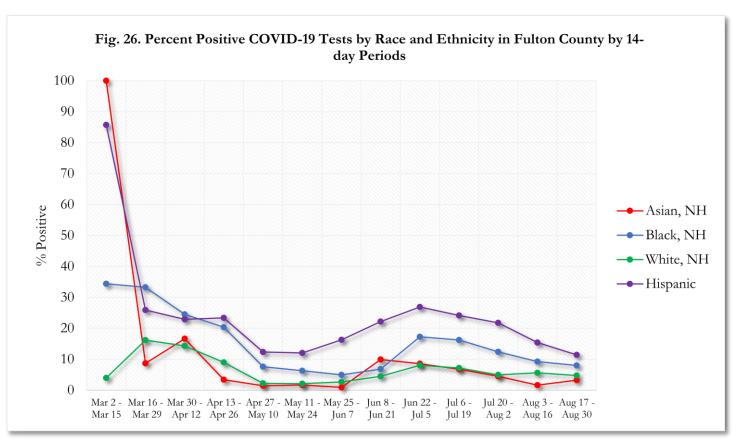
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



^{*}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.

COVID-19 CASE COUNTS BY ZIP CODE

	Prior (9/9/20)	Current To	tal (9/11/20)		New Cases (Period: 8/07/20 – 9/04/20) ¹			
	Count	Count	0/0	1st 14 days (Aug 7 – Aug 20)	Last 14 d. (Aug 21 – Sept 4)	% change ²		
All Fulton	25862	25963	100%	2068	1734	↓ 16.2%		
30004	942	972	3.74%	126	128	† 1.6%		
30005	474	504	1.94%	43	68	↑ 58.1%		
30009	373	413	1.59%	35	61	↑ 74.3%		
30022	1044	1082	0.77%	131	103	↓ 21.4%		
30023	<10	<10	<0.1%	<10	<10	-		
30024	15	17	<0.1%	<10	<10	-		
30075	945	994	3.83%	89	129	↑ 44.9%		
30076	926	972	3.74%	126	100	↓ 20.6%		
30080	<10	<10	<0.1%	0	0	-		
30097	231	244	0.94%	16	21	↑ 31.3%		
30098	-	394	1.52%	25	21	-		
30135	<10	<10	<0.1%	0	0	-		
30138	<10	<10	<0.1%	0	0	-		
30139	-	-	-	0	0	-		
30213	978	991	3.82%	80	39	↓ 51.3%		
30268	172	180	0.69%	20	12	↓ 40.0%		
30291	703	717	2.76%	45	31	↓ 31.1%		
30296	42	43	0.17%	<10	<10	-		
30301	<10	<10	<0.1%	<10	0	↓ 100.0%		
30303	370	373	1.44%	10	<10	↓ 10.0%		
30305	690	712	2.74%	36	40	† 11.1%		
30306	318	328	1.26%	19	24	↑ 26.3%		
30307	184	186	0.72%	28	10	↓ 64.3%		
30308	457	477	1.84%	24	59	↑ 145.8%		
30309	700	719	2.77%	37	46	↑ 24.3%		
30310	673	687	2.65%	56	29	-		
30311	725	740	2.85%	47	34	↓ 27.7%		
30312	730	739	2.85%	49	26	↓ 46.9%		
30313	183	199	0.77%	11	55	↑ 400.0%		
30314	527	530	2.04%	33	17	↓ 48.5%		
30315	778	789	3.04%	88	42	↓ 52.3%		
30316	370	372	1.43%	33	20	↓ 39.4%		
30318	1504	1548	5.96%	99	88	↓ 11.1%		
30319	122	123	0.47%	<10	11	↑ 83.3%		
30321	13	13	<0.1%	0	<10	-		
30324	815	834	3.21%	47	39	↓ 17.0%		
30326	202	206	0.79%	15	<10	↓ 40.0%		
30327	475	488	1.88%	35	32	↓ 8.6%		
30328	720	735	2.83%	42	57	↑ 35.7%		
30331	1609	1634	6.29%	123	58	↓ 52.8%		
30334	796	818	3.15%	76	43	↓ 43.4%		
30336	78	80	0.31%	<10	0	↓ 100.0%		
30337	304	306	1.18%	29	12	↓ 58.6%		
30338	162	159	0.61%	19	<10	↓ 57.9%		
30339	291	288	1.11%	28	10	↓ 64.3%		
30340	37	36	0.14%	<10	<10	-		
30341	38	39	0.15%	<10	<10	-		
30342	1080	1106	4.26%	71	67	↓ 5.6%		
30344	14	13	<0.1%	<10	0	↓ 100.0%		
30345	36	33	0.13%	0	0	-		

30349	1651	1667	6.42%	158	58	↓ 63.3%
30350	505	534	2.06%	35	45	↑ 28.6%
30354	385	394	1.52%	25	21	↓ 16.0%
30358	<10	<10	<0.1%	0	<10	-
30363	56	56	0.22%	<10	<10	-
30374	31	31	0.12%	0	0	-
30606	<10	<10	<0.1%	0	0	-
31131	<10	<10	<0.1%	<10	<10	-
31150	<10	<10	<0.1%	<10	0	↓ 100.0%
Unknown	1445	798	3.07%	58	59	-

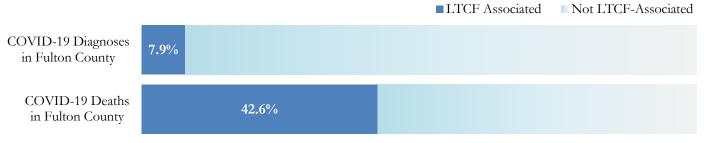
<u>New cases:</u> Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. <u>Percent change: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

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

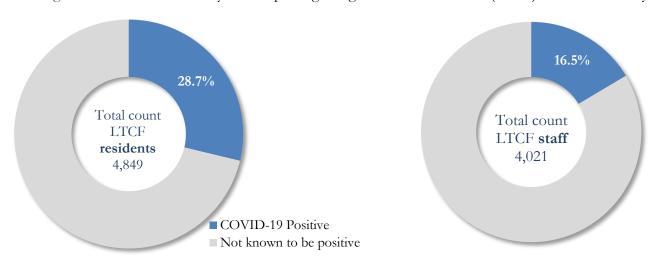
Fig. 27. COVID-19 Diagnoses and Deaths in Fulton County Associated with Long-Term Care Facilities



LTCF \rightarrow Long-term Care Facility (Incudes residents and Staff)

COVID-19 POSITIVITY:

Fig. 28. COVID-19 Positivity at 60 reporting Long-Term Care Facilities (LTCF) in Fulton County



COVID-19 Cases, Hospitalizations, and Deaths among 64 reporting Long-Term Care Facilities in Fulton County

	LTO	CF Residents (n=4,	LTCF Staff (n=4,021)			
	Cases	Hospitalizations	Deaths	Cases	Hospitalizations	Deaths
Average (count per fac.)1	22	5	4	10	1	< 0.1
Median (count per fac.)1	8	2	0	7	0	0
Lowest counts	1	0	0	0	0	0
Highest counts	137	48	29	66	8	2
Total Count	1394 (28.7%) ^a	302 (21.7%) ^b	230 (16.5%) ^b	662 (16.5%)a	32 (4.8%)b	5 (<1.0%)b

^o 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.