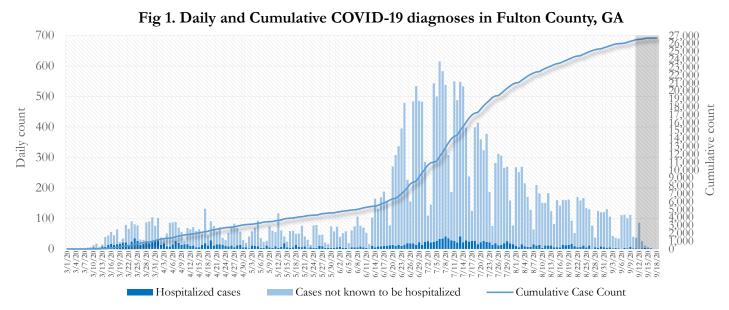


Fulton County Board of Health Epidemiology Report

COVID-19 Diagnoses - 9/18/2020

SUMMARY

- As of September 18, 2020, Fulton County has recorded 26,670 cases of the 2019 novel coronavirus (COVID-19) and 560 deaths.
- Of **1,390** new diagnoses made between August 28 and September 11, the central portion of the county (Atlanta metro) accounted for 38% while the northern and southern parts accounted for 43% and 13% respectively.
- By city, new COVID-19 case rates range from 64.9 per 100,000 persons (College Park) to 198.4 per 100,000 persons (Roswell). [Fulton County Diagnoses Rates (per 100,000 persons): Cumulative 2506.7; Incidence –130.6]. 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, 6.6% required hospitalization and 1.7% died.
- Of all testing done in Fulton County between August 31 and September 13, the percent positivity rate was 5%.



*Counts shown reflect the number of confirmed cases as of 6:30pm on 9/17/20 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: 38% 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	42.2%	38.1%	
North ¹	27.3%	43.2%	
South ²	19.8%	13.4%	
Unincorporated/Unknown	10.7%	5.4%	

Includes all Fulton County cities north of Atlanta metro (Alpharetta, Milton, Johns Creek, Roswell, Sandy Springs, Mountain Park) $|^2$ Includes all cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, and Union City) *New cases: Cases diagnosed in the past 2 weeks only (between 8/28/20 – 9/11/20).

In the past two weeks (8/28-9/11), there were fewer new cases of COVID-19 in Fulton County than the previous two weeks (8/14-8/27).

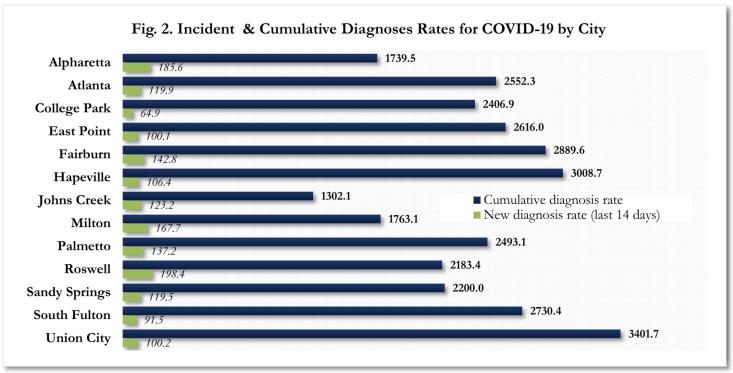


*Delayed a week to account for testing results turnaround time.

COVID-19 CASE COUNTS AND RATES BY CITY

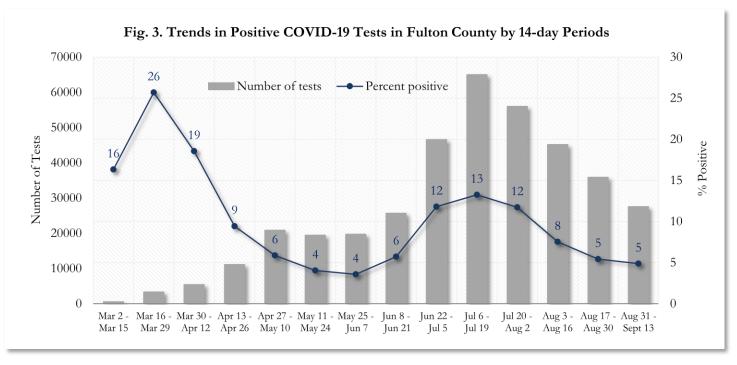
	Prior (9/15/20)	Current Total (9/18/20)			New Cases (Period: 8/14/20 – 9/11/20) ¹			
	Count	Count	%	Cum. Rate ²	1 st 14 d. (8/14– 8/27)	Last 14 d. (8/28– 9/11)	% change ³	Rate ⁴ (<i>Last 14</i> d).
Alpharetta	1101	1125	4.2%	1739.5	145	120	↓ 17.2%	185.6
Atlanta	11132	11260	42.2%	2552.3	675	529	↓ 21.6%	119.9
Chattahoochee Hills	0	0	0.0%	-	-	-	-	-
College Park	330	334	1.3%	2406.9	21	<10	↓ 57.1%	64.9
East Point	899	915	3.4%	2616.0	67	35	↓ 47.8%	100.1
Fairburn	423	425	1.6%	2889.6	20	21	† 5.0%	142.8
Hapeville	197	198	0.7%	3008.7	12	<10	↓ 41.7%	106.4
Johns Creek	1067	1089	4.1%	1302.1	118	103	↓ 12.7%	123.2
Milton	661	673	2.5%	1763.1	100	64	↓ 36.0%	167.7
Mountain Park	6	6	0.0%	960.0	0	0	\leftrightarrow	-
Palmetto	107	109	0.4%	2493.1	<10	<10	↓ 25.0%	137.2
Roswell	2015	2058	7.7%	2183.4	211	187	↓ 11.4%	198.4
Sandy Springs	2288	2319	8.7%	2200.0	148	126	↓ 14.9%	119.5
South Fulton	2565	2597	9.7%	2730.4	155	87	↓ 43.9%	91.5
Union City	699	713	2.7%	3401.7	37	21	↓ 43.2%	100.2
Unknown	3180	2849	10.7%		222	75		

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.

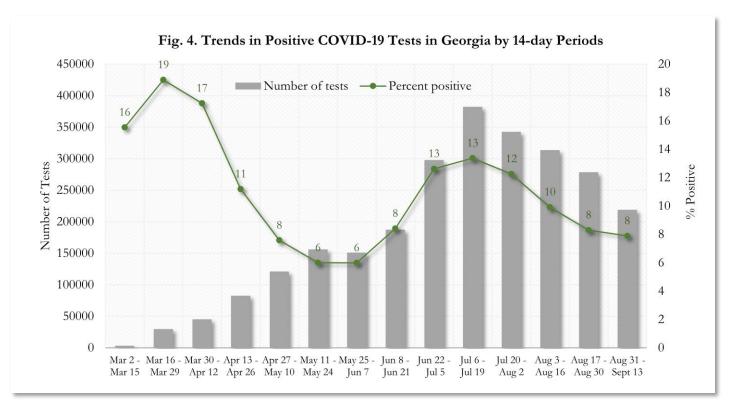


^{*}Rates shown are per 100,000 persons | **Note:** Mass testing in specific locations (e.g. long term care facilities) may cause sharp increases in the cumulative rate of COVID-19 diagnosis in those territories. All data shown are preliminary and are subject to change as testing results get updated.

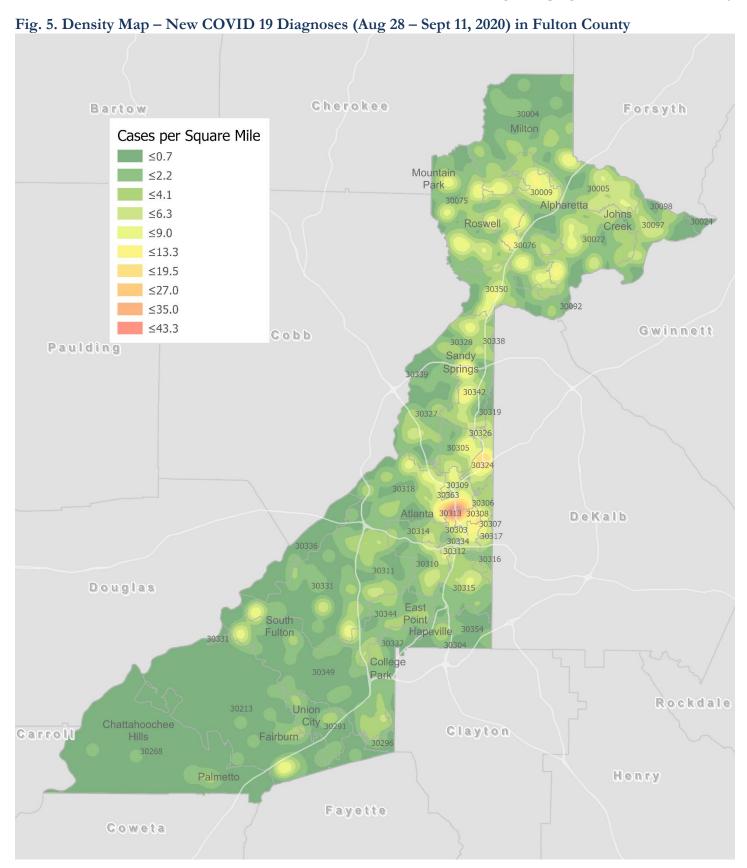
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY AND GEORGIA



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

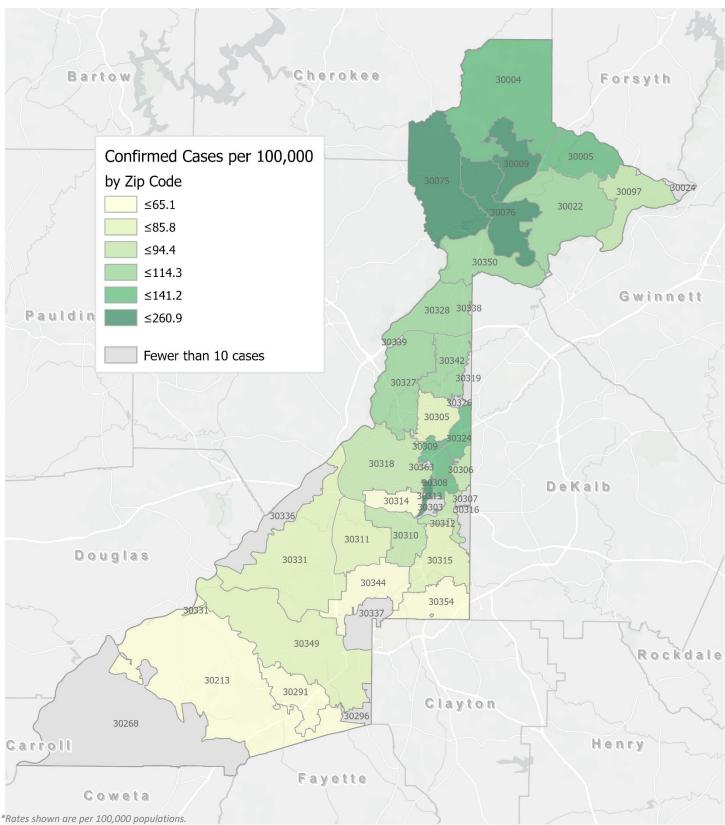


^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



<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 28th and Sept 11th, 2020 across Fulton County.

Fig. 6. New COVID-19 Diagnoses Rates (per 100,000 population) by ZIP Code (Aug 28– Sept 11, 2020)

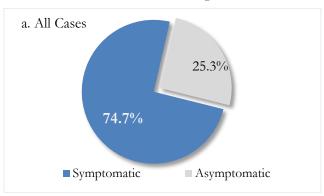


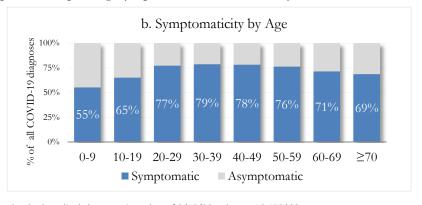
New COVID-19 cases: Cases diagnosed in most recent 14 days (based on reported dates of positive sample collection). To allow for lag in reporting results of positive cases from samples collected in the immediate past7 days, data used for incident diagnoses analyses are moved back by one week. Data used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

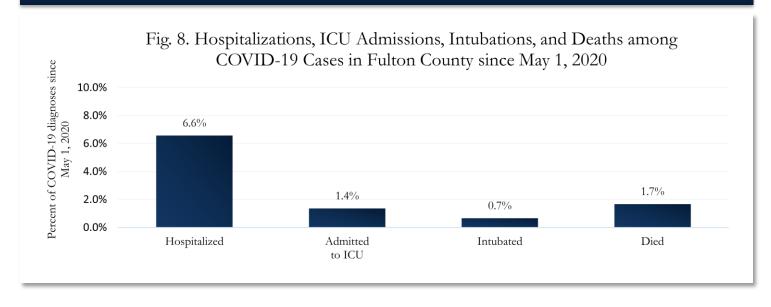
Fig. 7a & b. Total Proportion Reporting Symptoms in Fulton County





^{***}COVID-19 cases who have been case interviewed or had medical charts reviewed as of 9/15/20 only. n = 16,452***

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	7270	11260	5291	2849	26670
Gender: Female	3663 (50.4%)	5441 (48.3%)	2904 (54.9%)	1424 (50.0%)	13432 (50.4%)
Male	3403 (46.8%)	5248 (46.6%)	2183 (41.3%)	1302 (45.7%)	12136 (45.5%)
Unknown*	204 (2.8%)	571 (5.1%)	204 (3.9%)	123 (4.3%)	1102 (4.1%)
Age: 0-9	242 (3.3%)	199 (1.8%)	160 (3.0%)	75 (2.6%)	676 (2.5%)
10-19	1108 (15.2%)	763 (6.8%)	370 (7.0%)	199 (7.0%)	2440 (9.1%)
20-29	1601 (22.0%)	3293 (29.2%)	1034 (19.5%)	734 (25.8%)	6662 (25.0%)
30-39	1126 (15.5%)	2423 (21.5%)	1101 (20.8%)	597 (21.0%)	5247 (19.7%)
40-49	1146 (15.8%)	1475 (13.1%)	979 (18.5%)	447 (15.7%)	4047 (15.2%)
50-59	1020 (14.0%)	1242 (11.0%)	726 (13.7%)	359 (12.6%)	3347 (12.5%)
60-69	529 (7.3%)	845 (7.5%)	491 (9.3%)	222 (7.8%)	2087 (7.8%)
≥70	493 (6.8%)	979 (8.7%)	427 (8.1%)	208 (7.3%)	2107 (7.9%)
Unknown*	<10	41 (0.4%)	<10	<10	57 (0.2%)
Race: Asian, NH	249 (3.4%)	176 (1.6%)	16 (0.3%)	54 (1.9%)	495 (1.9%)
Black, NH	712 (9.8%)	4965 (44.1%)	3464 (65.5%)	845 (29.7%)	9986 (37.4%)
White, NH	2570 (35.4%)	2223 (19.7%)	207 (3.9%)	634 (22.3%)	5634 (21.1%)
Hispanic	1403 (19.3%)	677 (6.0%)	423 (8.0%)	317 (11.1%)	2820 (10.6%)
Other, NH	283 (3.9%)	348 (3.1%)	130 (2.5%)	102 (3.6%)	863 (3.2%)
Unknown*	2053 (28.2%)	2871 (25.5%)	1051 (19.9%)	897 (31.5%)	6872 (25.8%)

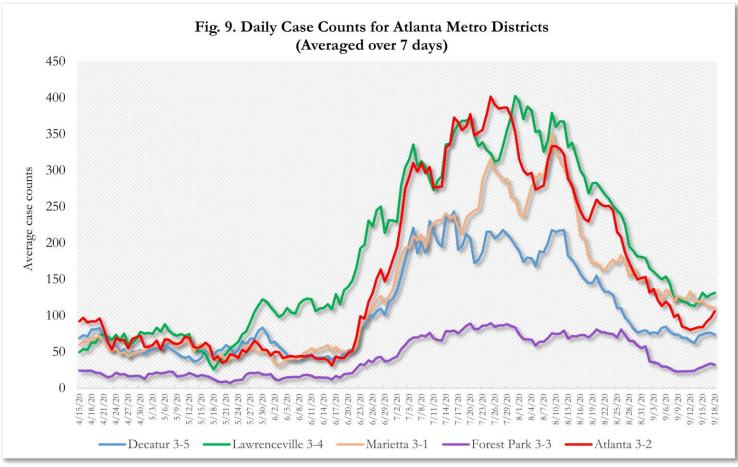
^{*}Unknown included cases not yet interviewed.

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-19 deaths	113	264	138	41	556
Gender: Female	52 (46.0%)	116 (43.9%)	70 (50.7%)	25 (61.0%)	263 (47.3%)
Male	61 (54.0%)	148 (56.1%)	68 (49.3%)	16 (39.0%)	293 (52.7%)
Unknown	0	0	0	0	0
Age: ≤ 29	0	<10	<10	0	<10
30-39	<10	<10	<10	<10	13 (2.3%)
40-49	<10	<10	10 (7.2%)	<10	26 (4.7%)
50-59	<10	24 (9.1%)	18 (13.0%)	<10	48 (8.6%)
60-69	14 (12.4%)	50 (18.9%)	31 (22.5%)	<10	99 (17.8%)
≥70	87 (77.0%)	171 (64.8%)	75 (54.3%)	32 (78.0%)	365 (65.6%)
Unknown	0	<10	0	0	0
Race: Asian, NH	<10	<10	<10	<10	10 (1.8%)
Black, NH	20 (17.7%)	227 (86.0%)	119 (86.2%)	22 (53.7%)	388 (69.8%)
White, NH	79 (69.9%)	29 (11.0%)	12 (8.7%)	16 (39.0%)	136 (24.5%)
Hispanic	10 (8.8%)	<10	<10	<10	19 (3.4%)
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

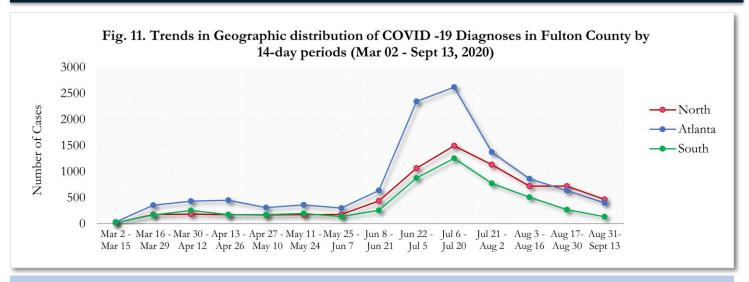


^{*}Graph shows the average number of cases calculated from the daily cumulative case counts in the metro Atlanta districts. Increases in daily cumulative case counts may include cases diagnosed earlier during the pandemic but were only recently reported to the state as cases diagnosed belonging to these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

Hall Forsyth Bartow Cherokee Jackson 761K Barrow Cobb Paulding Gwinnett Oconee Walton ulton DeKalb Douglas Rockdale Morgan Clayton Newton Carroll Henry Favette **Health Districts** Cases per Square Mile ≤1.5 ≤3.5 Jasper ≤5.5 Spalding 3-4 ≤7.9 3-1 ≤10.8 3-5 ≤15.1 ≤22.4 ≤35.8 Troup ≤54.5 Jones Pike onroe ≤74.3 Upsan

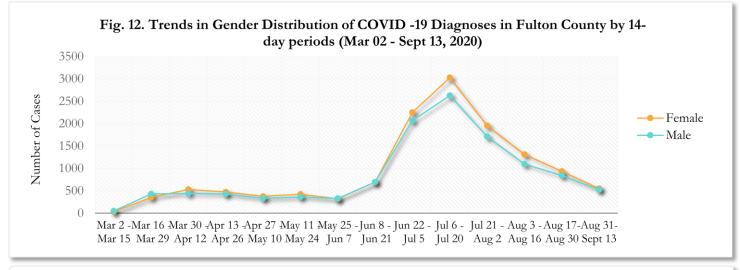
Fig. 10. COVID-19 Cases in Fulton County and Surrounding Districts (Aug 28 – Sept 11, 2020)

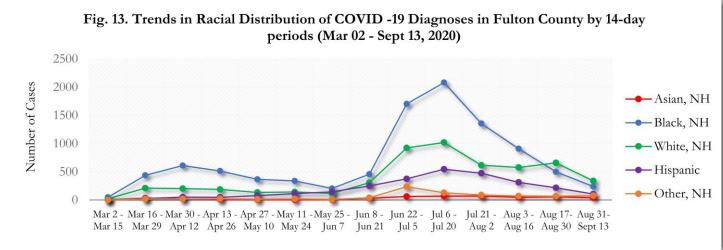
TRENDS IN COVID-19 CASES AMONG DEMOGRAPHIC GROUPS (14 DAY PERIODS)



The Northern region now accounts for a majority of cases in Fulton County.

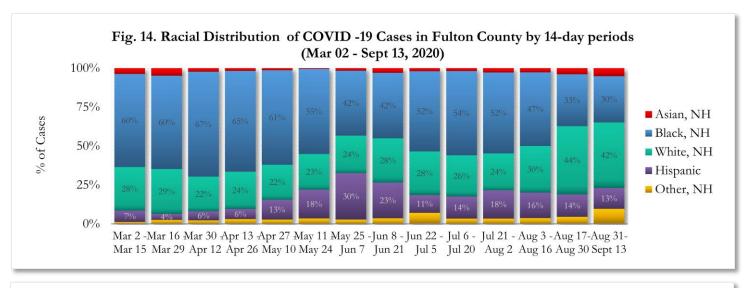
^{*}South - Includes all Fulton cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, and Union City)

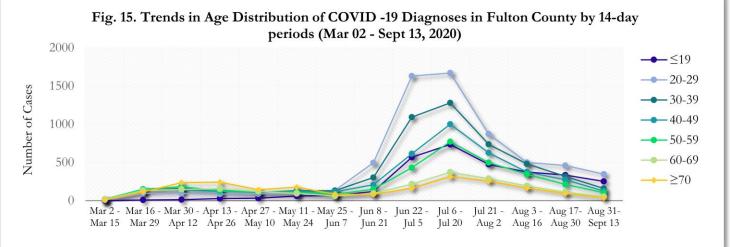




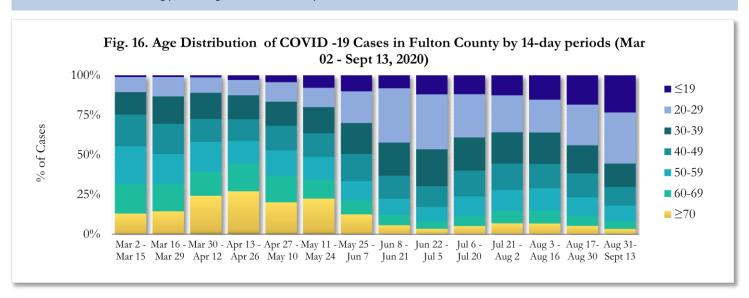
About 27% of COVID cases are missing data on patient race and ethnicity. The majority of diagnoses made in the past two weeks were White-NH (42%) rather than Black-NH (30%).

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

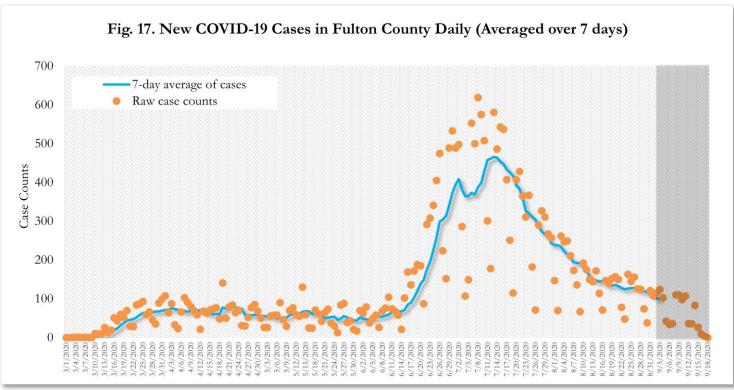




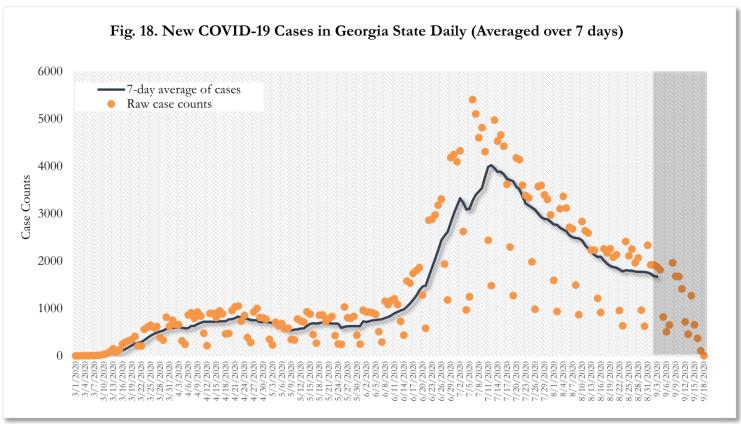
Earlier (March-May 2020) large proportions of reported cases were among persons aged 60 and older. However, starting in June, a higher number of cases were among persons aged between 20-29 years.



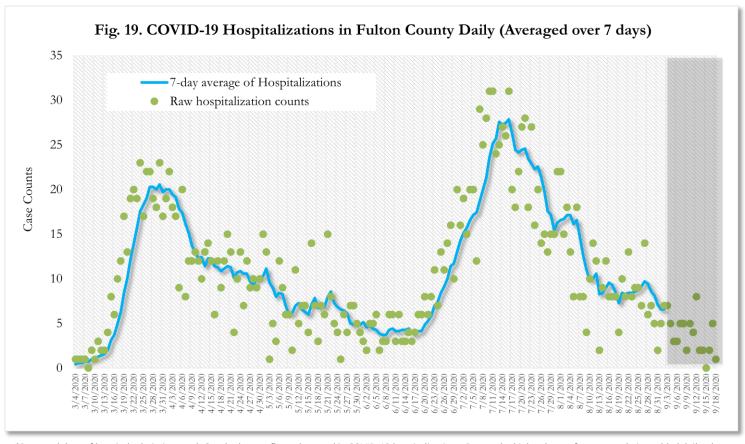
TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)



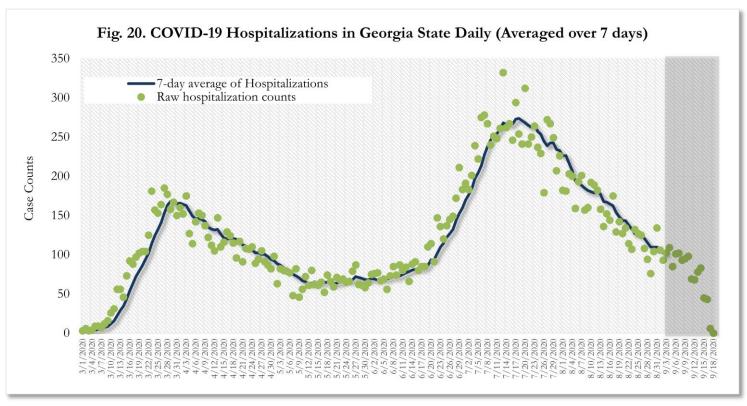
^{*}Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject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



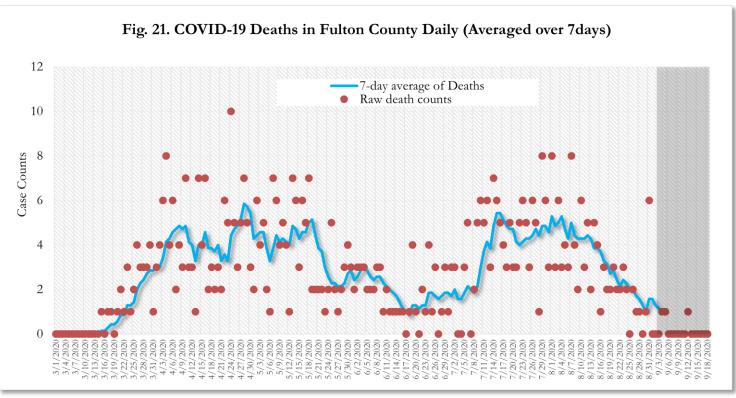
^{*}Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject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



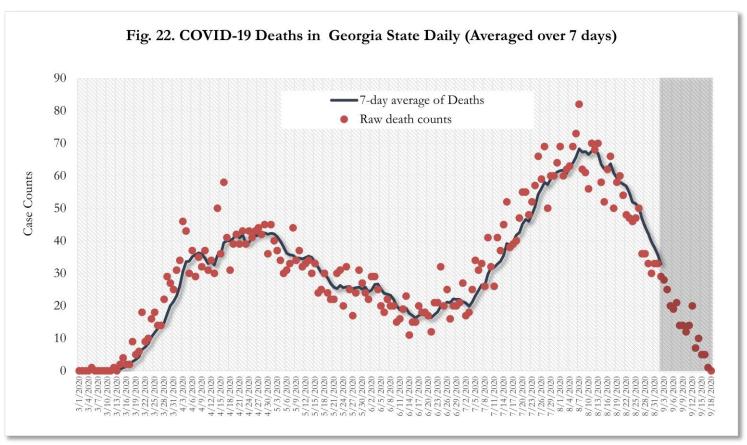
^{*}Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the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

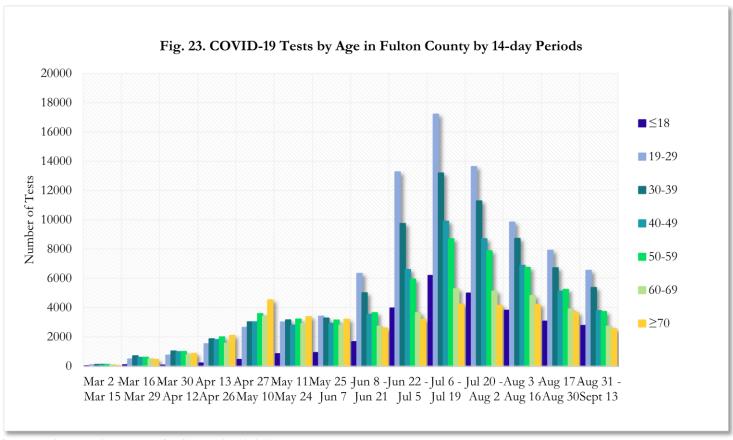


^{*} Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

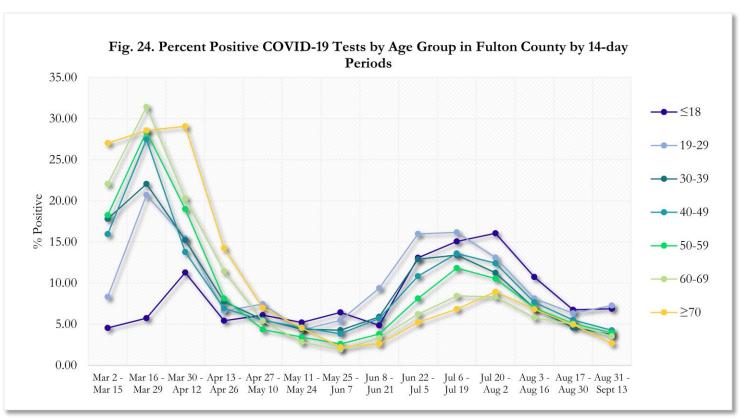


^{*}Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

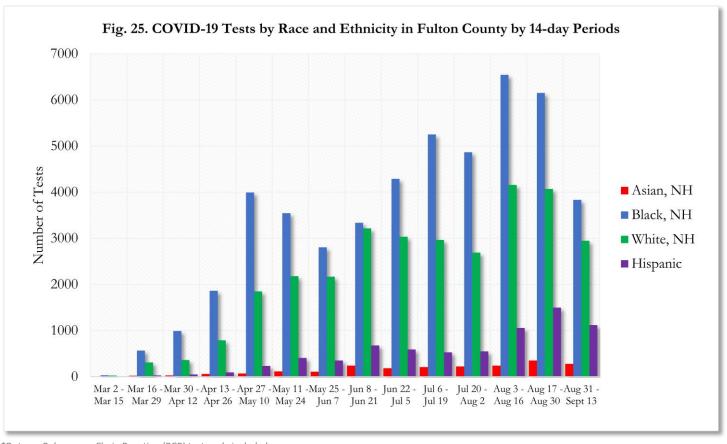
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY BY AGE AND RACE



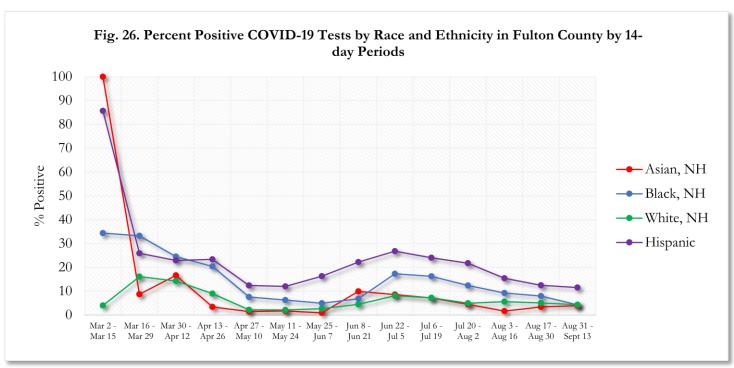
^{*}Data on Polymerase Chain Reaction (PCR) tests only included.



^{*}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 (9/15/20)	Current To	Current Total (9/18/20)		New Cases (Period: 8/14/20 – 9/11/20) ¹			
	Count	Count	0/0	1st 14 days (Aug 14 – Aug 27)	Last 14 d. (Aug 28 – Sept 11)	% change ²		
All Fulton	26351	26670	100%	1940	1390	↓ 28.4%		
30004	1003	1020	3.82%	163	88	↓ 46.0%		
30005	519	525	1.97%	56	57	† 1.8%		
30009	425	440	1.65%	47	59	↑ 25.5%		
30022	1110	1126	0.78%	118	84	↓ 28.8%		
30023	<10	<10	<0.1%	<10	0	↓ 100.0%		
30024	17	16	<0.1%	<10	0	100.0%		
30075	1010	1030	3.86%	106	97	↓ 8.5%		
30076	994	1012	3.79%	107	81	↓ 24.3%		
30080	<10	<10	<0.1%	0	0	-		
30097	256	266	1.00%	17	29	↑ 70.6%		
30098	-	-	-	0	0	-		
30135	<10	<10	<0.1%	0	<10	_		
30138	<10	<10	<0.1%	0	0	-		
30139	-	-	-	0	0	-		
30213	1004	1014	3.80%	62	33	↓ 46.8%		
30268	181	182	0.68%	17	<10	¥ 47.1%		
30291	724	737	2.76%	37	22	↓ 40.5%		
30296	44	46	0.17%	<10	<10	-		
30301	10	10	<0.1%	<10	<10	-		
30303	368	366	1.37%	12	<10	↓ 25.0%		
30305	715	725	2.72%	36	34	↓ 5.6%		
30306	330	330	1.24%	30	16	↓ 46.7%		
30307	186	186	0.70%	25	<10	↓ 72.0%		
30308	479	483	1.81%	46	35	↓ 23.9%		
30309	726	742	2.78%	30	45	↑ 50.0%		
30310	693	695	2.61%	39	27	↓ 30.8%		
30311	749	757	2.84%	35	29	↓ 17.1%		
30312	749	754	2.83%	35	23	↓ 34.3%		
30313	206	208	0.78%	39	28	↓ 28.2%		
30314	535	540	2.02%	24	14	↓ 41.7%		
30315	809	818	3.07%	73	42	↓ 42.5%		
30316	369	371	1.39%	30	10	↓ 66.7%		
30318	1564	1585	5.94%	100	69	↓ 31.0%		
30319	125	131	0.49%	10	10	-		
30321	14	11	<0.1%	0	0	-		
30324	850	854	3.20%	46	40	↓ 13.0%		
30326	209	210	0.79%	<10	<10	-		
30327	502	512	1.92%	29	36	↑ 24.1%		
30328	753	766	2.87%	46	43	↓ 6.5%		
30331	1661	1682	6.31%	87	56	↓ 35.6%		
30334	13	13	<0.1%	<10	0	↓ 100.0%		
30336	81	81	0.30%	0	<10	-		
30337	312	318	1.19%	22	<10	↓ 68.2%		
30338	155	157	0.59%	13	<10	↓ 69.2%		
30339	295	298	1.12%	23	<10	↓ 65.2%		
30340	36	35	0.13%	<10	0	↓ 100.0%		
30341	38	37	0.14%	<10	0	↓ 100.0%		
30342	1123	1132	4.24%	70	50	↓ 28.6%		
30344	843	856	3.21%	61	34	↓ 44.3%		

30345	34	33	0.12%	0	0	-
30349	1689	1711	6.42%	111	51	↓ 54.1%
30350	548	561	2.10%	41	42	↑ 2.4%
30354	404	407	1.53%	23	10	↓ 56.5%
30358	<10	<10	<0.1%	0	0	-
30363	58	59	0.22%	<10	<10	-
30374	31	31	0.12%	0	0	-
30606	<10	<10	<0.1%	0	0	-
31131	<10	<10	<0.1%	<10	0	↓ 100.0%
31150	<10	<10	<0.1%	0	0	-
Unknown	1085	755	2.83%	52	33	-

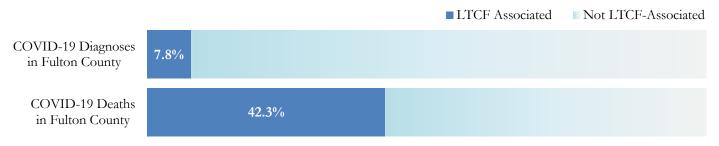
*New cases: Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. *Percent change: These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

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

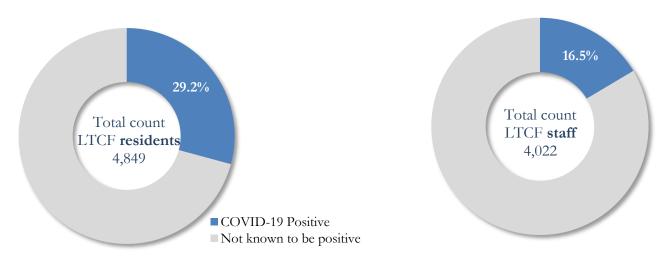
Fig. 27. COVID-19 Diagnoses and Deaths in Fulton County Associated with Long-Term Care Facilities



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,	849)	LTCF Staff (n=4,022)			
	Cases	Hospitalizations	Deaths	Cases	Hospitalizations	Deaths	
Average (count per fac.)1	22	5	4	10	1	< 0.1	
Median (count per fac.)1	9	1	0	7	0	0	
Lowest counts	0	0	0	0	0	0	
Highest counts	138	48	30	66	8	2	
Total Count	1416 (29.2%) ^a	304 (21.5%)b	232 (16.4%) ^b	667 (16.6%)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.