

SUMMARY

- As of September 4, 2020, Fulton County has recorded **25,432** cases of the 2019 novel coronavirus (COVID-19) and **535** deaths.
- Of 2,019 **new diagnoses** made between August 15 and August 28, the central portion of the county (Atlanta metro) accounted for 35% while the northern and southern parts accounted for 37% and 17% respectively.
- By city, **new** COVID-19 case rates range from 142.8 per 100,000 persons (Fairburn) to 269.8 per 100,000 persons (Milton). [Fulton County Diagnoses Rates (per 100,000 persons): Cumulative 2390.4; Incident –189.8]. See map showing incident case rate by ZIP code on Pg.4.
- Among all persons diagnosed with COVID-19 in Fulton County since May 1, 6.4% required hospitalization and 1.9% died.
- Of all testing done in Fulton County between August 17 and August 30, the percent positivity rate was 6%.

This report uses data exported from GA SendSS, the state reportable disease surveillance system. This data undergoes routine data cleaning efforts and is thus subject to change.



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 9/4/20 using the date of first positive sample collection. Where date of sample collection was not available or missing, the date of report creation in GA SENDSS was used instead. **Note:** All data reported are preliminary and subject to change. Delays in data reporting may cause changes in data counts, particularly in the shaded portion.

DISTRIBUTION OF COVID-19 DIAGNOSES BY REGION

New cases: 35% of the new COVID-19 cases diagnosed in the past 2 weeks occurred in Atlanta while 37% and 17% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative	% New	
	count	cases*	
Atlanta	42.4%	34.9%	
North ¹	26.4%	36.9%	
South ²	19.9%	16.8%	
Unincorporated/Unknown	11.4%	11.3%	

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) *<u>New cases</u>: Cases diagnosed in the past 2 weeks only (between 8/15/20 – 8/28/20).



COVID-19 CASE COUNTS AND RATES BY CITY

	Prior (9/1/20)	Curr	ent Total	(9/4/20)	New	Cases (Period	l: 7/31/20 – 8/	28/20) ¹
	Count	Count	%	Cum. Rate ²	1 st 14 d. (7/31– 8/14)	Last 14 d. (8/15- 8/28)	% change ³	Rate⁴ (Last 14 d).
Atlanta	10674	10774	42.4%	2442.1	878	704	↓ 19.8%	159.6
South Fulton	2488	2505	9.8%	2633.7	225	164	↓ 27.1%	172.4
Sandy Springs	2168	2194	8.6%	2081.4	190	156	↓ 17.9%	148.0
Roswell	1851	1887	7.4%	2002.0	247	217	↓ 12.1%	230.2
East Point	850	857	3.4%	2450.2	83	72	↓ 13.3%	205.8
Johns Creek	945	995	3.9%	1189.7	133	125	↓ 6.0%	149.5
Union City	678	681	2.7%	3249.0	73	40	↓ 45.2%	190.8
Alpharetta	990	1010	4.0%	1561.7	121	145	↑ 19.8%	224.2
Milton	593	612	2.4%	1603.3	70	103	↑ 47.1%	269.8
Fairburn	405	408	1.6%	2774.0	44	21	↓ 52.3%	142.8
College Park	319	323	1.3%	2327.6	43	22	↓ 48.8%	158.5
Palmetto	104	104	0.4%	2378.8	20	<10	↓ 55.0%	205.9
Hapeville	186	186	0.7%	2826.3	22	12	↓ 45.5%	182.3
Mountain Park	5	5	0.0%	800.0	<10	0	-	0.0
Chattahoochee Hills	0	0	0.0%	-	-	-	-	-
Unknown	3176	2891	11.4%	-	337	228	-	-

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. ³/₃ 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 <u>both</u> 2 week intervals are not reported <u>4[Incidence] Rate:</u> 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. <u>Note:</u> All data reported are preliminary and subject to change.



Fig. 3. Incident & Cumulative Diagnoses Rates for COVID-19 by City

*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 (Aug 15 - Aug 28, 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 past 7 days, data used for incident diagnoses analyses are moved back by one week. Map reflects new COVID-19 cases diagnosed between Aug 15th and Aug 28th, 2020 across Fulton County.



Fig. 5. New COVID-19 Diagnoses Rates (per 100,000 population) by ZIP Code (Aug 15 – Aug 28, 2020)

*Rates shown are per 100,000 populations.

<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. 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 18 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. 6a & b. Total Proportion Reporting Symptoms in Fulton County

COVID-19 cases who have been case interviewed or had medical charts reviewed as of 9/4/20 only

COVID-19 HOSPITALIZATIONS, ICU ADMISSIONS AND DEATHS IN FULTON



Fig. 7 Hospitalizations, ICU Admissions, Intubations, and Deaths among COVID-19 Cases in Fulton County since May 1, 2020

DEMOGRAPHIC DISTRIBUTIONS - COVID 19 CASES AND DEATHS

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		North Fulton Cities ¹ Count (%)	Atlanta Count (%)	South Fulton Cities ² Count (%)	Unknown City Count (%)	All Fulton Count (%)
Total COV	ID-19 cases	6703	10774	5064	2891	25432
Gender: Fe	emale	3345 (49.9%)	5186 (48.1%)	2751 (54.3%)	1437 (49.7%)	12719 (50.0%)
Ma	ale	3132 (46.7%)	4948 (45.9%)	2066 (40.8%)	1309 (45.3%)	11455 (45.0%)
Ur	nknown*	226 (3.4%)	640 (5.9%)	247 (4.9%)	145 (5.0%)	1258 (4.9%)
Age: 0-9)	213 (3.2%)	193 (1.8%)	153 (3.0%)	73 (2.5%)	632 (2.5%)
1	0-19	981 (14.6%)	695 (6.5%)	350 (6.9%)	201 (7.0%)	2227 (8.8%)
2	0-29	1472 (22.0%)	3091 (28.7%)	999 (19.7%)	753 (26.0%)	6315 (24.8%)
3	0-39	1058 (15.8%)	2332 (21.6%)	1055 (20.8%)	608 (21.0%)	5053 (19.9%)
4	0-49	1062 (15.8%)	1429 (13.3%)	930 (18.4%)	451 (15.6%)	3872 (15.2%)
5	0-59	943 (14.1%)	1203 (11.2%)	691 (13.6%)	356 (12.3%)	3193 (12.6%)
6	0-69	489 (7.3%)	820 (7.6%)	465 (9.2%)	224 (7.7%)	1998 (7.9%)
≥7	70	477 (7.1%)	985 (9.1%)	409 (8.1%)	216 (7.5%)	2087 (8.2%)
Un	known*	<10	26 (0.2%)	12 (0.2%)	<10	55 (0.2%)
Race: Asia	an, NH	199 (3.0%)	152 (1.4%)	16 (0.3%)	56 (1.9%)	423 (1.7%)
Bla	ick, NH	637 (9.5%)	4618 (42.9%)	3094 (61.1%)	824 (28.5%)	9173 (36.1%)
Wh	nite, NH	2168 (32.3%)	1971 (18.3%)	191 (3.8%)	596 (20.6%)	4926 (19.4%)
His	spanic	1231 (18.4%)	623 (5.8%)	378 (7.5%)	309 (10.7%)	2541 (10.0%)
Otl	her, NH	252 (3.8%)	308 (2.9%)	106 (2.1%)	110 (3.8%)	776 (3.1%)
Un	known*	2216 (33.1%)	3102 (28.8%)	1279 (25.3%)	996 (34.5%)	7593 (29.9%)

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

*Unknown included cases not yet interviewed.

В.	Distribution of COVID-19 d	leaths by gender, ag	ge, and race in Fulton (County by Fulton Region

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	North Fulton Cities ¹ Count (%)	Atlanta Count (%)	South Fulton Cities ² Count (%)	Unknown City Count (%)	All Fulton Count (%)
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Total COVID-19 death	s 104	255	133	43	535
Gender: Female	47 (45.2%)	113 (44.3%)	69 (51.9%)	24 (55.8%)	253 (47.3%)
Male	57 (54.8%)	142 (55.7%)	64 (48.1%)	19 (44.2%)	282 (52.7%)
Unknown	0	0	0	0	0
Age: ≤ 29	0	<10	<10	0	<10
30-39	<10	<10	<10	<10	13 (2.4%)
40-49	<10	<10	<10	<10	22 (4.1%)
50-59	<10	23 (9.0%)	18 (13.5%)	<10	47 (8.8%)
60-69	13 (12.5%)	49 (19.2%)	33 (24.8%)	<10	98 (18.3%)
≥70	80 (76.9%)	165 (64.7%)	72 (54.1%)	34 (79.1%)	351 (65.6%)
Unknown	0	0	0	0	0
Race: Asian, NH	<10	<10	<10	<10	<10
Black, NH	18 (17.3%)	218 (85.5%)	113 (85.0%)	22 (51.2%)	371 (69.3%)
White, NH	76 (73.1%)	30 (11.8%)	13 (9.8%)	17 (39.5%)	136 (25.4%)
Hispanic	<10	<10	<10	<10	17 (3.2%)
Other, NH	0	<10	<10	0	<10
Unknown	0	0	0	0	0

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). <u>Note:</u> 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 (Aug 13 – Aug 26, 2020)

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



⁻ Other, NH 0 Mar 2 -Mar 16 Mar 30 Apr 13 Apr 27 May 11 May 25 -Jun 8 - Jun 22 - Jul 6 - Jul 21 - Aug 3 - Aug 17-Mar 15 Mar 29 Apr 12 Apr 26 May 10 May 24 Jun 7 Jun 21 Jul 5 Jul 20 Aug 2 Aug 16 Aug 30

1000

500

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%).

-White, NH

- Hispanic



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.



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



Fig. 16. New COVID-19 Cases in Fulton County Daily (Averaged over 7 days)

*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.



Fig. 20. COVID-19 Deaths in Fulton County Daily (Averaged over 7days)

* 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



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





Fig. 24. COVID-19 Tests by Gender in Fulton County by 14-day Periods

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



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



Fig. 26. COVID-19 Tests by Age in Fulton County by 14-day Periods

*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 (9/2/20)	Current Tot	Total (9/4/20) New Cases (Period: 7/31/20 – 2		8/28/20)1	
	Count	Count	%	1st 14 days (Jul 31 – Aug 15)	Last 14 d. (Aug 16 – Aug 28)	% change ²
All Fulton	25152	25432	100.0%	2494	2019	↓ 19.0%
30331	1590	1609	6.3%	140	86	↓ 38.6%
30318	1492	1504	5.9%	147	95	↓ 35.4%
30349	1640	1651	6.5%	176	118	↓ 33.0%
30213	973	978	3.8%	107	62	↓ 42.1%
30315	774	778	3.1%	95	79	↓ 16.8%
30344	789	796	3.1%	85	65	↓ 23.5%
30311	719	725	2.9%	63	37	↓ 41.3%
30342	1070	1080	4.2%	83	73	↓ 12.0%
30314	524	527	2.1%	43	25	↓ 41.9%
30310	667	673	2.6%	60	39	↓ 35.0%
30308	451	457	1.8%	29	50	↑ 72.4%
30022	1020	1044	4.1%	135	122	↓ 9.6%
30327	470	475	1.9%	56	31	↓ 44.6%
30004	917	942	3.7%	106	165	↑ 55.7%
30309	686	700	2.8%	53	33	↓ 37.7%
30076	909	926	3.6%	158	109	↓ 31.0%
30291	702	703	2.8%	70	44	↓ 37.1%
30350	500	505	2.0%	46	42	↓ 8.7%
30075	926	945	3.7%	102	110	↑ 7.8%
30328	710	720	2.8%	62	52	↓ 16.1%
30316	369	370	1.5%	33	30	↓ 9.1%
30312	723	730	2.9%	46	35	↓ 23.9%
30005	468	474	1.9%	64	56	↓ 12.5%
30305	684	690	2.7%	41	38	↓ 7.3%
30306	314	318	1.3%	28	29	↑ 3.6%
30324	803	815	3.2%	57	47	↓ 17.5%
30337	302	304	1.2%	37	22	↓ 40.5%
30009	367	373	1.5%	41	50	↑ 22.0%
30313	182	183	0.7%	18	37	↑ 105.6%
30326	199	202	0.8%	14	<10	↓ 42.9%
30097	205	231	0.9%	19	16	↓ 15.8%
30354	385	385	1.5%	36	23	↓ 36.1%
30303	370	370	1.5%	17	13	↓ 23.5%
30339	301	291	1.1%	39	24	↓ 38.5%
30268	172	172	0.7%	26	17	↓ 34.6%
30307	183	184	0.7%	21	25	↑ 19.0%
30319	120	122	0.5%	<10	12	↑ 33.3%
30336	78	78	0.3%	<10	0	↓ 100.0%
30296	40	42	0.2%	<10	<10	-
30363	57	56	0.2%	<10	<10	-
30301	<10	<10	< 0.1%	<10	<10	-
30345	36	36	0.1%	<10	0	↓ 100.0%
31131	<10	<10	<0.1%	0	<10	-
30023	<10	<10	< 0.1%	<10	<10	-
30080	<10	<10	< 0.1%	0	0	-
30135	<10	<10	< 0.1%	0	0	-
30138	<10	<10	< 0.1%	0	0	-
30139	-	-	-	0	0	-
30321	12	13	<0.1%	<10	<10	-
30340	35	37	0.1%	<10	<10	-

30341	38	38	0.1%	<10	<10	-
30358	<10	<10	< 0.1%	0	<10	-
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	15	15	< 0.1%	<10	<10	-
30098	-	-	-	0	0	-
30334	14	14	<0.1%	0	<10	-
30338	166	162	0.6%	23	12	↓ 47.8%
Unknown	1190	914	3.6%	76	71	-

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. ²Percent 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 <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. 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) <u>https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/people-at-higher-risk.html</u>

Fig. 30. COVID-19 Diagnoses and Deaths in Fulton County Associated with Long-Term Care Facilities



COVID-19 POSITIVITY:

Fig. 31. COVID-19 Positivity at 60 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=4,8	836)	LTCF Staff (n=3,742)			
	Cases	Hospitalizations	Deaths	Cases	Hospitalizations	Deaths	
Average (count per fac.) ¹	22	5	4	9	1	< 0.1	
Median (count per fac.) ¹	9	2	0	4	0	0	
Lowest counts	1	0	0	0	0	0	
Highest counts	137	48	29	66	8	2	
Total Count	1340 (27.7%) ^a	301 (22.5%) ^b	212 (15.8%) ^b	555 (14.8%) ^a	32 (5.8%) ^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.