**FULTON COUNTY BOARD OF HEALTH**

SUMMARY

- As of October 16, 2020, Fulton County has recorded **29,423 cases of the 2019 novel coronavirus** (COVID-19) and **603 confirmed COVID-19 deaths.** 76 deaths are currently being reviewed by GA DPH to confirm cause of death.
- Of **1,197 new diagnoses** made between September 25 and October 9, the central portion of the county (Atlanta metro) accounted for 39% while the northern and southern parts accounted for 38% and 20% respectively.
- By city, new COVID-19 case rates range from 79.3 per 100,000 persons (College Park) to 228.7 per 100,000 persons (Palmetto). **[Fulton County Diagnoses Rates (per 100,000 persons): Cumulative – 2676.8; Incidence (9/25-10/9) –108.9]**. See map showing incident case rate by ZIP code on Pg.17.
- Among all persons diagnosed with COVID-19 in Fulton County **since June 1, 6.3% required hospitalization and 1.3% died.**
- Of all testing done in Fulton County between September 28 and October 11, **the percent positivity rate was 3.5%.**

Fig 1. Daily and Cumulative COVID-19 cases in Fulton County, GA
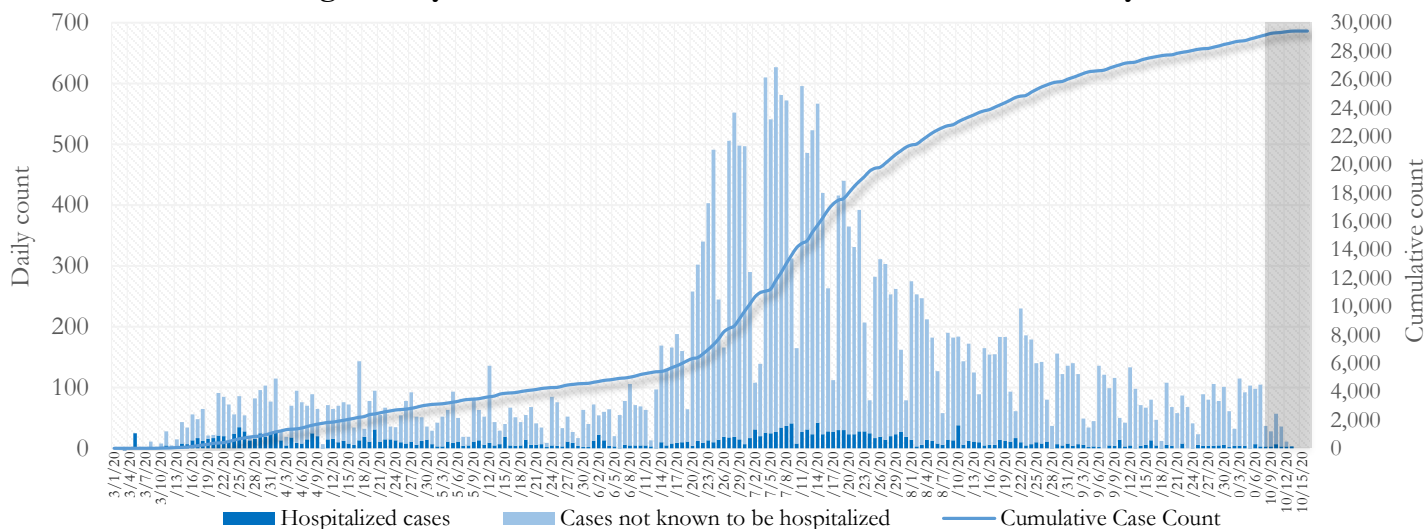
Counts shown reflect the number of confirmed cases as of 6:30 pm on 10/15/20 using the date of first positive sample collection. Where date of sample collection was not available or missing, the date of report creation in GA SENDSS was used instead. Note: Delays in data reporting may cause changes in data counts, particularly in the shaded portion. Data throughout this report are preliminary and subject to ongoing data cleaning processes, and thus are subject to change.
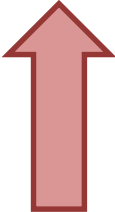
DISTRIBUTION OF COVID-19 CASES BY REGION

New cases: 39% of the new COVID-19 cases in the past 2 weeks occurred in Atlanta while 38% and 20% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative count	% New cases*
Atlanta	44.0%	39.4%
North[1]	28.6%	37.6%
South[2]	20.4%	20.2%
Unincorporated/Unknown	6.9%	2.8%

[1]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 9/25/20 – 10/9/20).

In the past two weeks (9/25-10/9), there were more new cases of COVID-19 in Fulton County than the previous two weeks (9/11-9/24).

Delayed a week to account for testing results turnaround time.

COVID-19 CASE COUNTS AND RATES BY CITY

	Prior (10/13/20)	Current Total (10/16/20)			New Cases *(Period: 9/11/20 – 10/9/20)*[1]			
	Count	Count	%	Cum. Rate[2]	1st 14 d. *(9/11–9/24)*	Last 14 d. *(9/25–10/9)*	% change[3]	Rate[4] *(Last 14 d).*
Alpharetta	1276	1289	4.4%	1993.1	62	67	↑ 8.1%	103.6
Atlanta	12795	12955	44.0%	2936.5	418	472	↑ 12.9%	107.0
Chattahoochee Hills	1	1	0.0%	-	0	0	-	-
College Park	370	374	1.3%	2695.1	<10	11	↑ 22.2%	79.3
East Point	1027	1037	3.5%	2964.8	20	34	↑ 70.0%	97.2
Fairburn	470	471	1.6%	3202.3	<10	19	↑ 111.1%	129.2
Hapeville	213	213	0.7%	3236.6	<10	<10	↑ 200.0%	136.8
Johns Creek	1252	1269	4.3%	1517.3	64	71	↑ 10.9%	84.9
Milton	767	775	2.6%	2030.3	48	39	↓ 18.8%	102.2
Mountain Park	6	6	0.0%	960.0	0	0	-	-
Palmetto	127	127	0.4%	2904.8	<10	10	↑ 150.0%	228.7
Roswell	2357	2382	8.1%	2527.1	121	125	↑ 3.3%	132.6
Sandy Springs	2653	2695	9.2%	2556.7	116	148	↑ 27.6%	140.4
South Fulton	2932	2976	10.1%	3128.9	93	121	↑ 30.1%	127.2
Union City	801	817	2.8%	3897.9	22	38	↑ 72.7%	181.3
Unknown	2376	2036	6.9%	-	30	32	-	-

[1]***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.* [2]***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* [4]***(Incidence) Rate:*** *Rate of new diagnoses in the last 14 day period preceding the immediate past week.**Data cleaning (either during case interviews or address geo-coding) may lead to reassignment of few cases from one territory to another based on their corrected addresses. These may appear as "decreases" when compared to the previous day's count. These do not reflect errors in the data collection or analysis process but only reflect the minor day-to-day fluctuations in case counts that arise in an evolving public health database like COVID's.* ***Note:*** ***All data reported are preliminary and subject to change****.*

Fig. 2. Incident & Cumulative Diagnoses Rates for COVID-19 by City
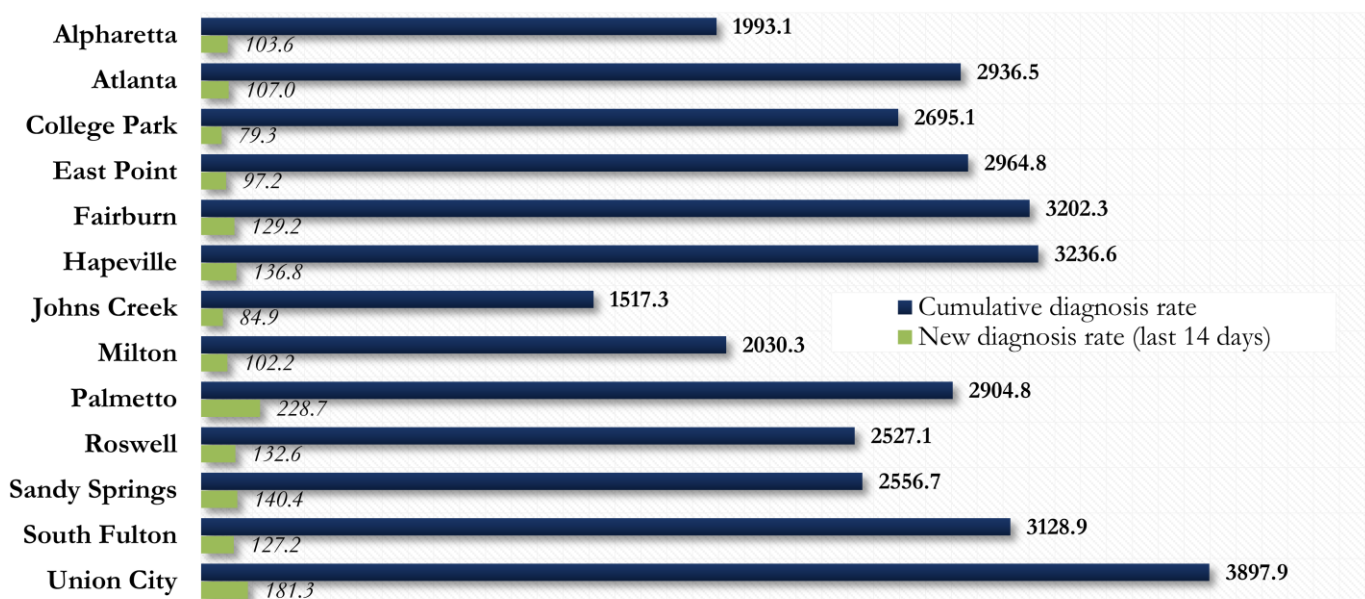
Rates shown are per 100,000 persons | ***Note:*** *Mass testing in specific locations (e.g. long term care facilities) may cause sharp increases in the cumulative rate of COVID-19 diagnosis in those territories. All data shown are preliminary and are subject to change as testing results get updated.*
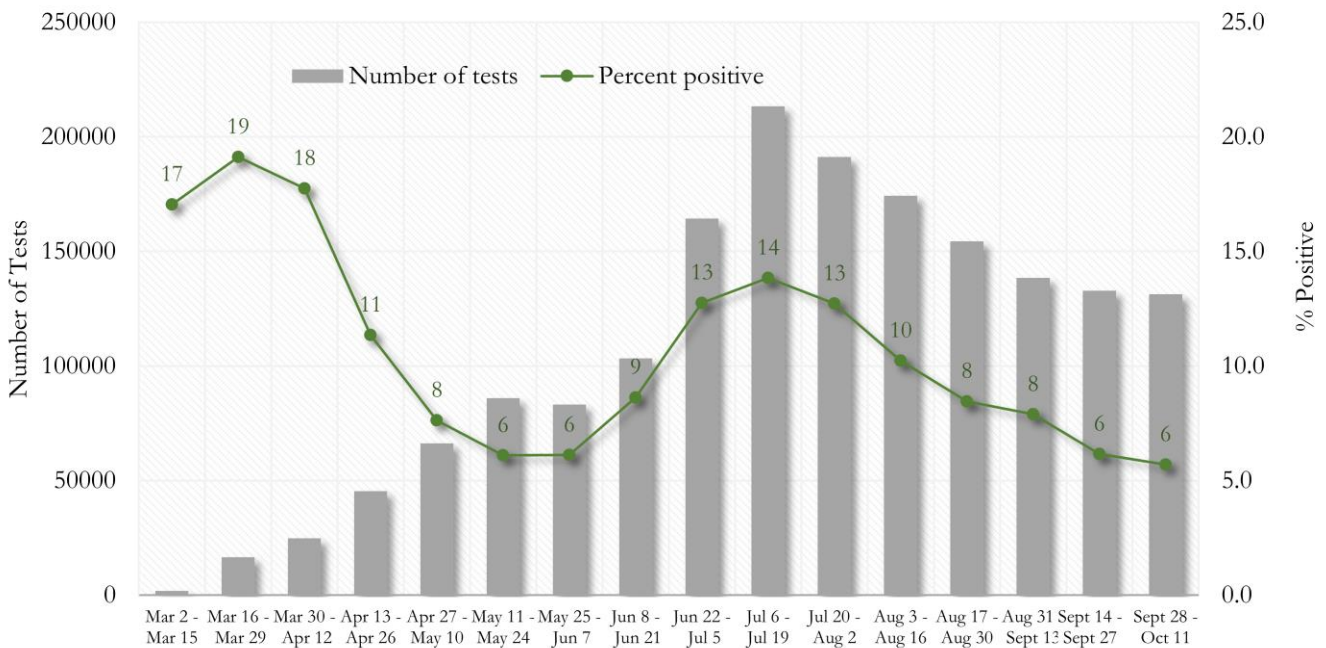
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY AND GEORGIA

Fig. 3. Trends in Positive COVID-19 Tests in Fulton County by 14-day Periods
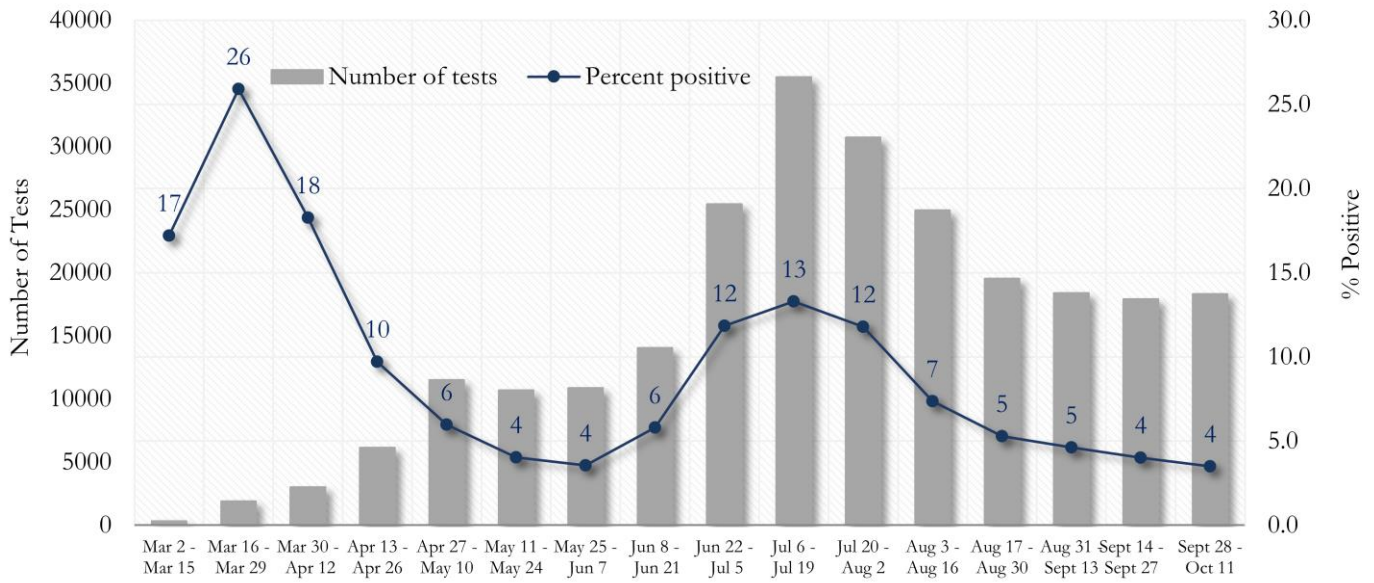
Data on Polymerase Chain Reaction (PCR) tests only included.
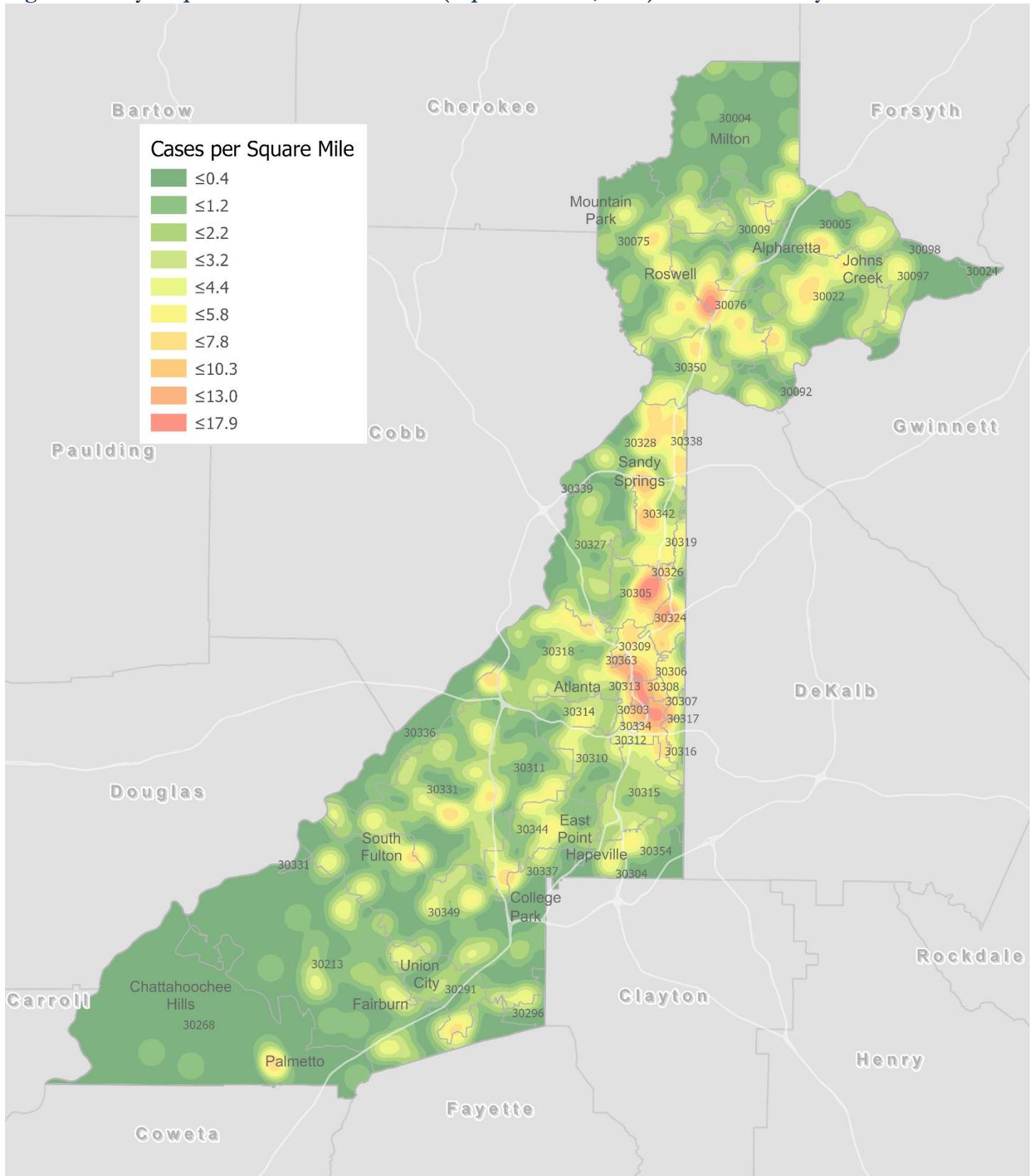
Fig. 4. Trends in Positive COVID-19 Tests in Georgia by 14-day Periods

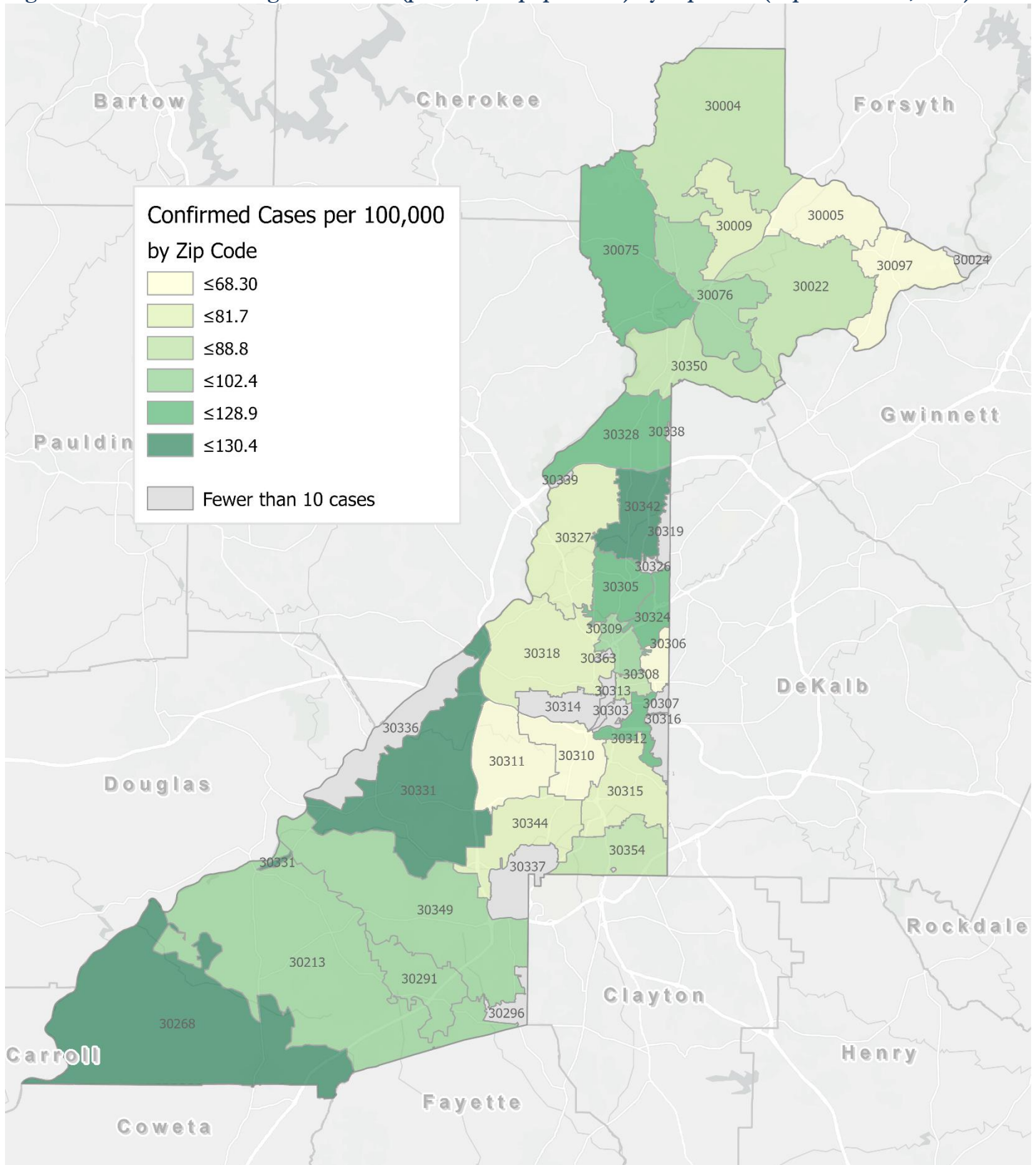*Data on Polymerase Chain Reaction (PCR) tests only included.*

Fig. 5. Density Map – New COVID-19 Cases (Sept 25 – Oct 9, 2020) in Fulton County

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 past 7 days, data used for incident diagnoses analyses are moved back by one week. Map reflects new COVID-19 cases diagnosed between Sept 25th and Oct 9th, 2020 across Fulton County, excluding LTCF cases.

Fig. 6. New COVID-19 Diagnoses Rates (per 100,000 population) by Zip Code (Sept 25– Oct 9, 2020)

Confirmed Cases per 100,000 by Zip Code

- ≤68.30
- ≤81.7
- ≤88.8
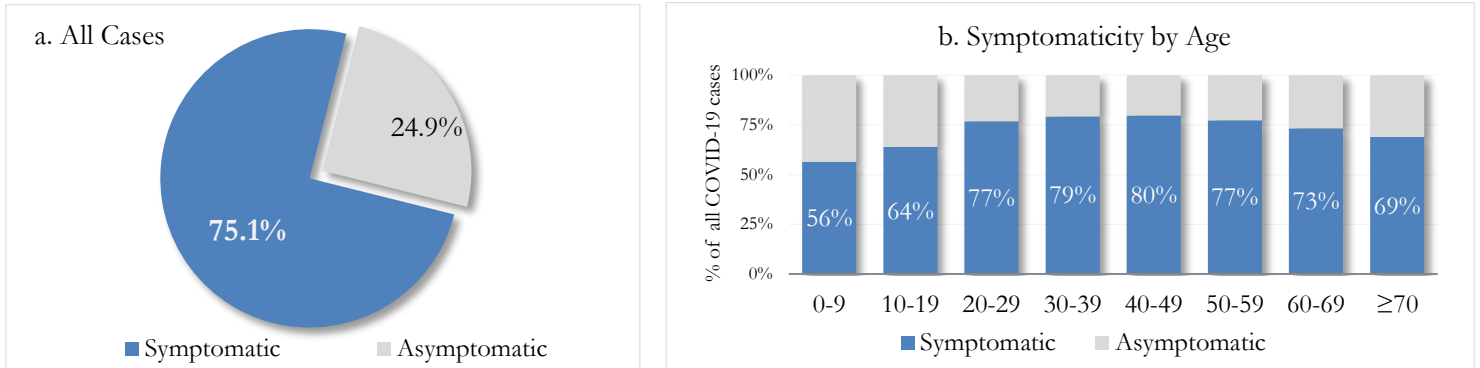- ≤102.4
- ≤128.9
- ≤130.4
- Fewer than 10 cases

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 past 7 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, muscle pain, headache, sore throat, congestion, nausea or vomiting, diarrhea, or 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

a. All Cases

b. Symptomaticity by Age

COVID-19 cases who have been case interviewed or had medical charts reviewed as of 10/15/20 only. n = 19,420

COVID-19 HOSPITALIZATIONS, ICU ADMISSIONS AND DEATHS IN FULTON

Fig. 8. Hospitalizations, ICU Admissions, Intubations, and Deaths among COVID-19 Cases in Fulton County since June 1, 2020
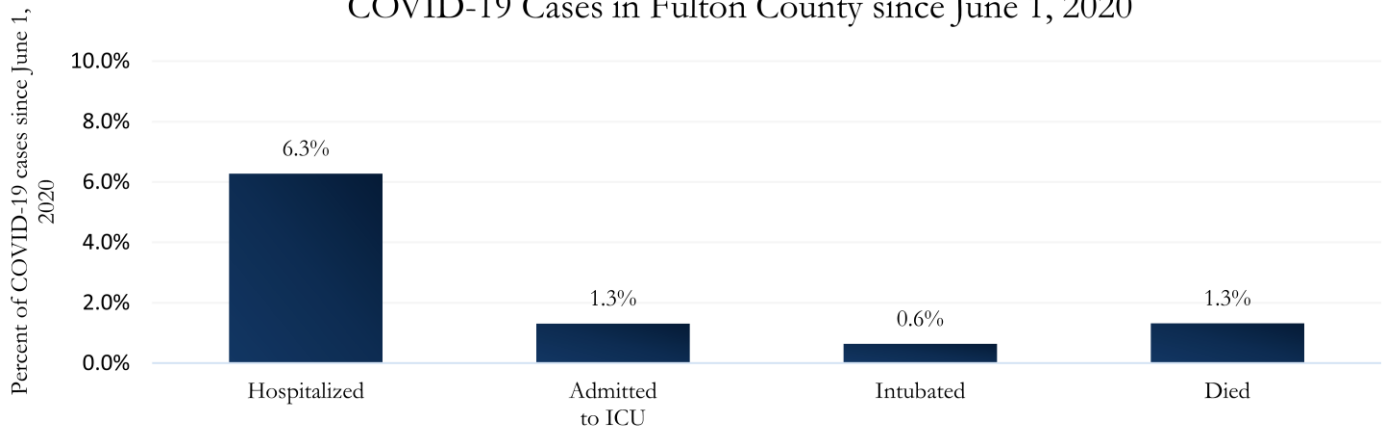
DEMOGRAPHIC DISTRIBUTIONS – COVID-19 CASES AND DEATHS

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		8416	12955	6016	2036	29423
Gender:	Female	4287 (50.9%)	6313 (48.7%)	3336 (55.5%)	988 (48.5%)	14924 (50.7%)
	Male	3949 (46.9%)	6172 (47.6%)	2518 (41.9%)	981 (48.2%)	13620 (46.3%)
	Unknown*	180 (2.1%)	470 (3.6%)	162 (2.7%)	67 (3.3%)	879 (3.0%)
Age:	0-9	281 (3.3%)	237 (1.8%)	185 (3.1%)	49 (2.4%)	752 (2.6%)
	10-19	1241 (14.7%)	981 (7.6%)	410 (6.8%)	138 (6.8%)	2770 (9.4%)
	20-29	1851 (22.0%)	3896 (30.1%)	1175 (19.5%)	533 (26.2%)	7455 (25.3%)
	30-39	1304 (15.5%)	2794 (21.6%)	1254 (20.8%)	452 (22.2%)	5804 (19.7%)
	40-49	1306 (15.5%)	1671 (12.9%)	1113 (18.5%)	321 (15.8%)	4411 (15.0%)
	50-59	1219 (14.5%)	1368 (10.6%)	818 (13.6%)	247 (12.1%)	3652 (12.4%)
	60-69	631 (7.5%)	918 (7.1%)	542 (9.0%)	160 (7.9%)	2251 (7.7%)
	≥70	576 (6.8%)	1042 (8.0%)	516 (8.6%)	129 (6.3%)	2263 (7.7%)
	Unknown*	<10	48 (0.4%)	<10	<10	65 (0.2%)
Race:	Asian, NH	297 (3.5%)	227 (1.8%)	20 (0.3%)	29 (1.4%)	573 (1.9%)
	Black, NH	888 (10.6%)	5668 (43.8%)	4103 (68.2%)	685 (33.6%)	11344 (38.6%)
	White, NH	3347 (39.8%)	3027 (23.4%)	271 (4.5%)	469 (23.0%)	7114 (24.2%)
	Hispanic	1630 (19.4%)	829 (6.4%)	496 (8.2%)	204 (10.0%)	3159 (10.7%)
	Other, NH	332 (3.9%)	496 (3.8%)	167 (2.8%)	85 (4.2%)	1080 (3.7%)
	Unknown*	1922 (22.8%)	2708 (20.9%)	959 (15.9%)	564 (27.7%)	6153 (20.9%)

Unknown includes 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] Count (%)	Atlanta Count (%)	South Fulton Cities[2] Count (%)	Unknown City Count (%)	All Fulton Count (%)
Total COVID-19 deaths		132	290	162	19	603
Gender:	Female	59 (44.7%)	128 (44.1%)	85 (52.5%)	<10	281 (46.6%)
	Male	73 (55.3%)	162 (55.9%)	77 (47.5%)	10 (52.6%)	322 (53.4%)
	Unknown	0	0	0	0	0
Age:	≤ 29	<10	<10	<10	0	<10
	30-39	<10	<10	<10	<10	13 (2.2%)
	40-49	<10	<10	<10	<10	25 (4.1%)
	50-59	<10	24 (8.3%)	18 (11.1%)	<10	50 (8.3%)
	60-69	16 (12.1%)	53 (18.3%)	36 (22.2%)	<10	106 (17.6%)
	≥70	103 (78.0%)	192 (66.2%)	95 (58.6%)	13 (68.4%)	403 (66.8%)
	Unknown	0	<10	0	0	<10
Race:	Asian, NH	<10	<10	<10	0	10 (1.7%)
	Black, NH	22 (16.7%)	246 (84.8%)	134 (82.7%)	<10	410 (68.0%)
	White, NH	92 (69.7%)	34 (11.7%)	20 (12.3%)	10 (52.6%)	156 (25.9%)
	Hispanic	13 (9.8%)	<10	<10	<10	23 (3.8%)
	Other, NH	0	<10	<10	0	<10
	Unknown	<10	<10	0	0	<10

[1]*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, Union City).* **Note:** *All data reported are preliminary and subject to change. This table includes data on all confirmed COVID-19 deaths and is subject to change as GA DPH completes cause of death confirmation processes.*

## COVID-19 CASE TRENDS IN FULTON AND SURROUNDING DISTRICTS

Fig. 9. Daily Case Counts for Atlanta Metro Districts
(Averaged over 7 days)

Decatur 3-5 — Lawrenceville 3-4 — Marietta 3-1 — Forest Park 3-3 — Atlanta 3-2
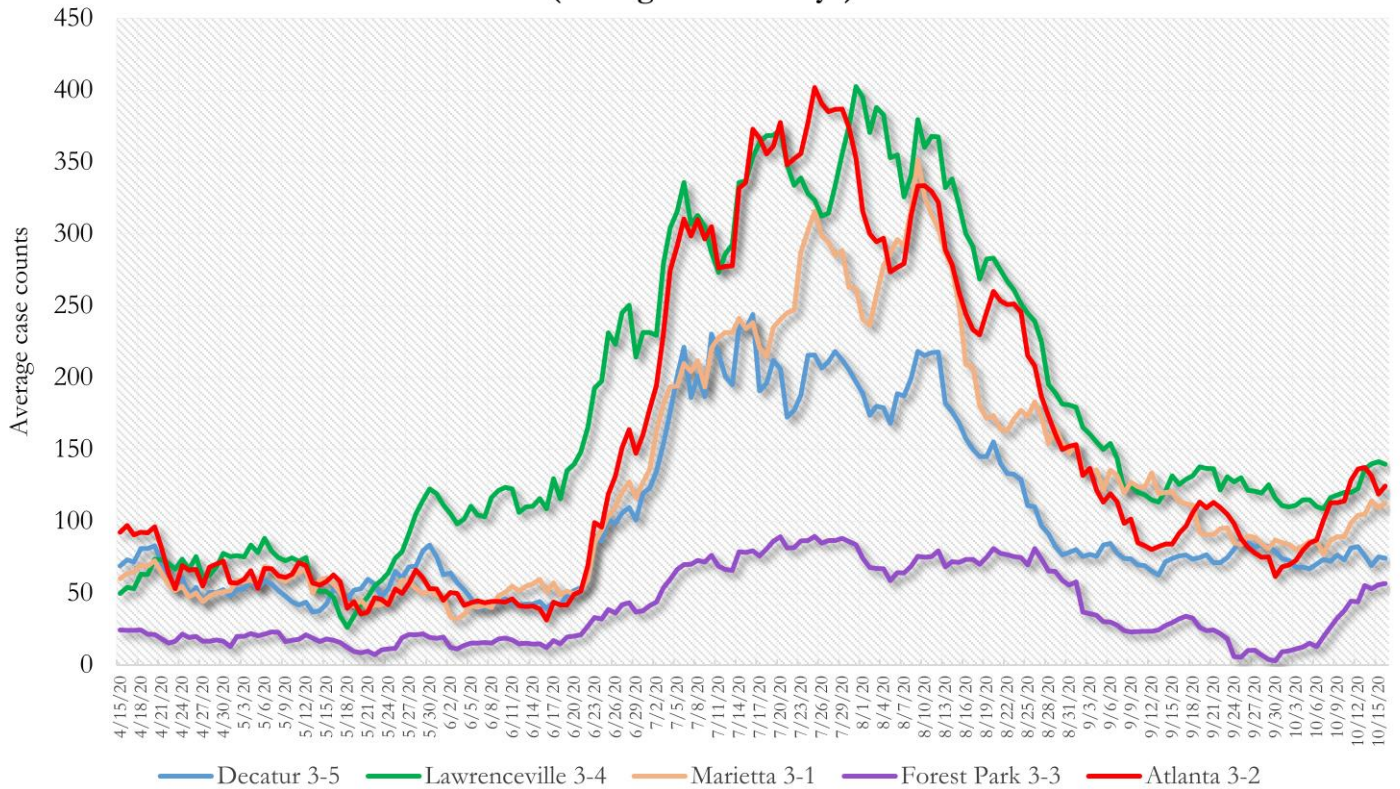
*Graph shows the average number of cases calculated from the daily cumulative case counts in the metro Atlanta districts. Increases in daily cumulative case counts may include cases diagnosed earlier during the pandemic but were only recently reported to the state as cases diagnosed belonging to these districts.

Fig. 10. COVID-19 Cases in Fulton County and Surrounding Districts (Sept 25 – Oct 9, 2020)
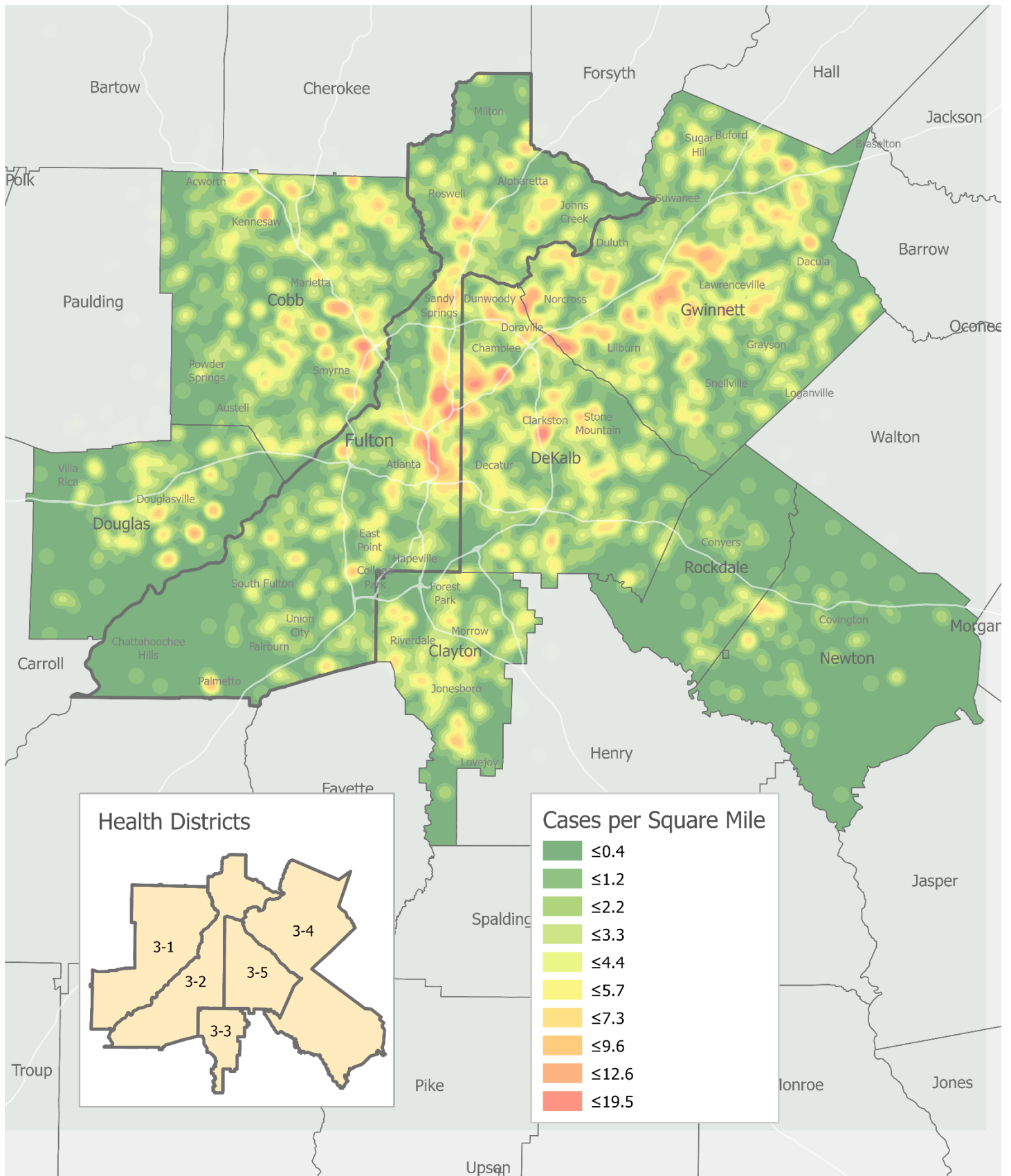
TRENDS IN COVID-19 CASES AMONG DEMOGRAPHIC GROUPS (14 DAY PERIODS)

**Fig. 11. Trends in Geographic distribution of COVID-19 Cases in Fulton County by 14-day periods**
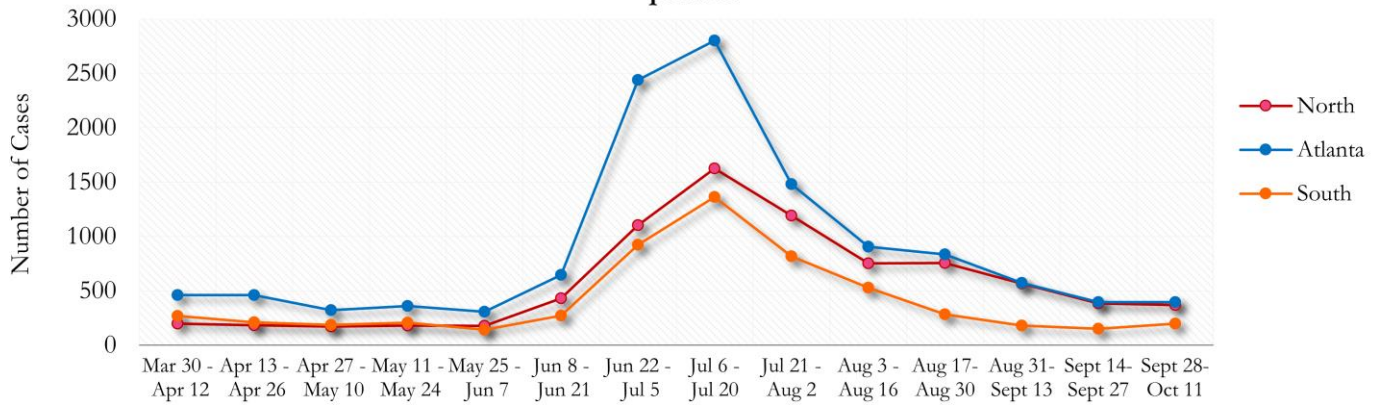
In the past two weeks, the city of Atlanta and the Northern region have accounted for almost equal amounts of new cases.

*North -Includes all Fulton cities north of Atlanta (Alpharetta, Milton, Johns Creek, Roswell, Sandy Springs, Mountain Park)
*South - Includes all Fulton cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, and Union City)

Fig. 12. Trends in Racial Distribution of COVID-19 Cases in Fulton County by 14-day periods
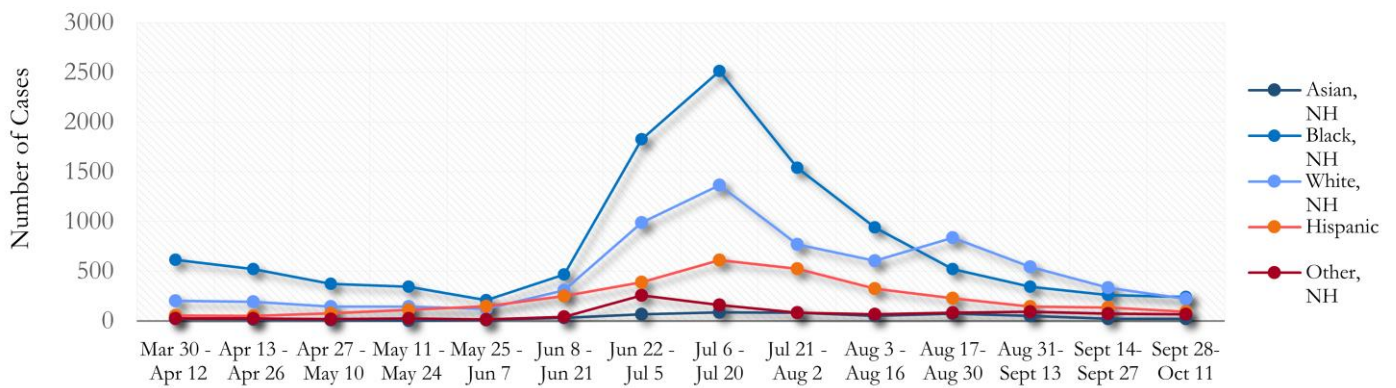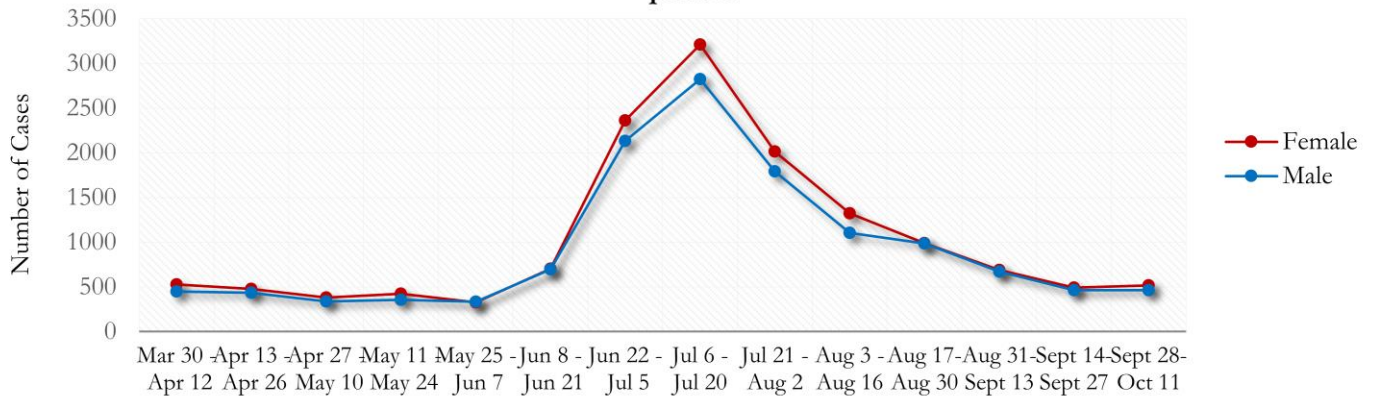

Fig. 13. Racial Distribution of COVID-19 Cases in Fulton County by 14-day periods
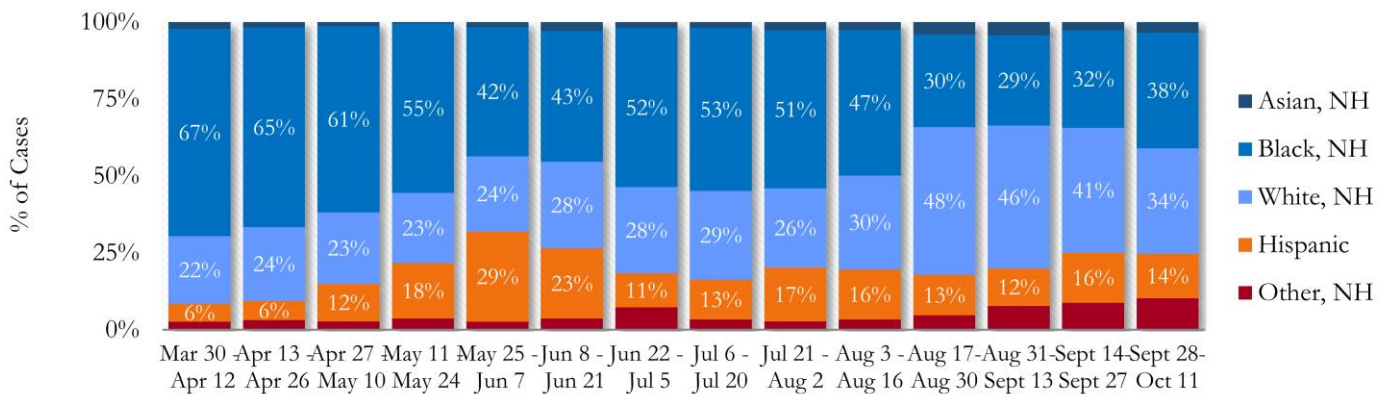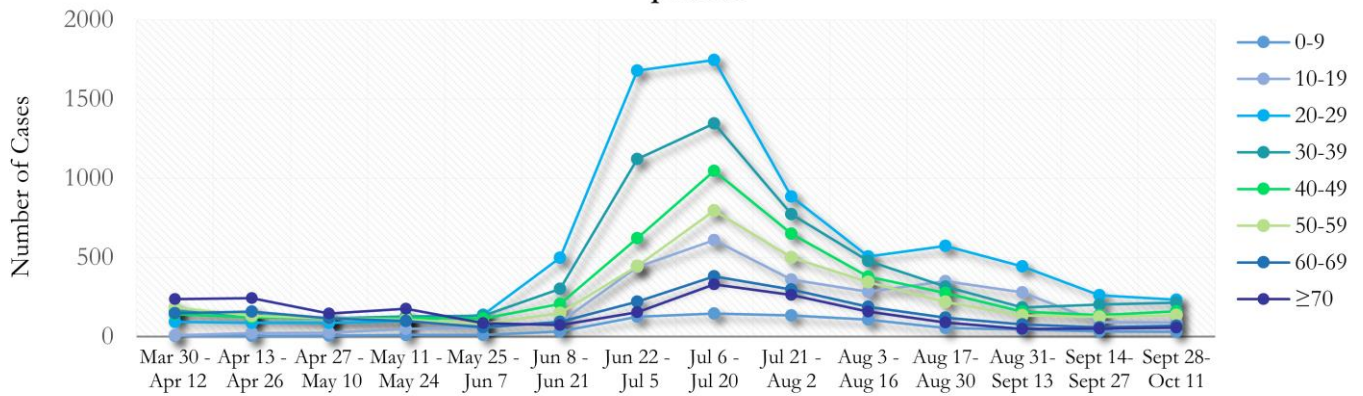

About 21% of COVID cases are missing data on patient race and ethnicity. The majority of new cases in the past two weeks were Black, NH (38%).

Fig. 14. Trends in Gender Distribution of COVID-19 Cases in Fulton County by 14-day periods


Fig. 15. Trends in Age Distribution of COVID-19 Cases in Fulton County by 14-day periods

Earlier (March-May 2020) large proportions of reported cases were among persons aged 60 and older. In the most recent two weeks, 20-29 year olds accounted for the highest number of new cases among all age group, followed by 30-39 year olds.
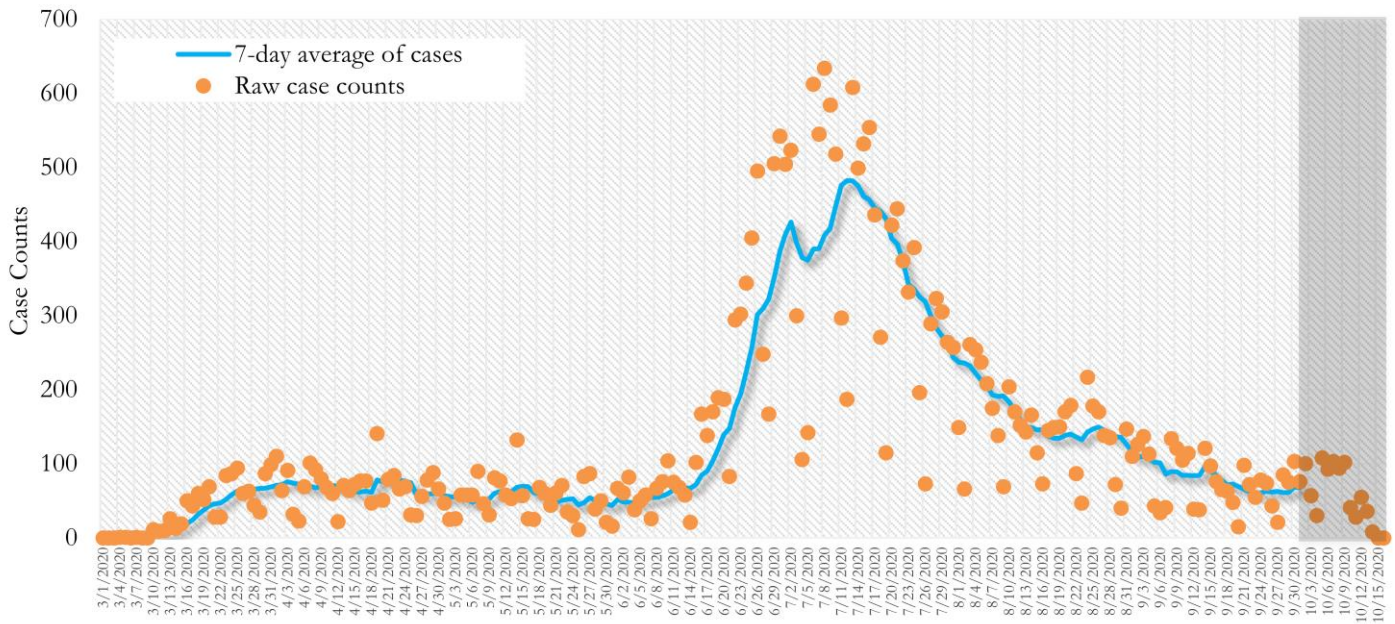
Fig. 16. Age Distribution of COVID-19 Cases in Fulton County by 14-day periods
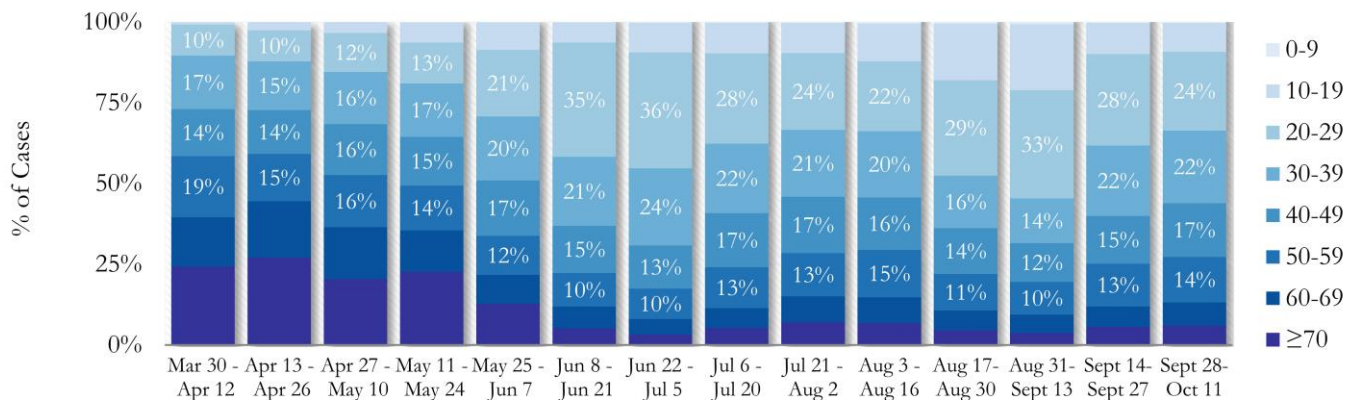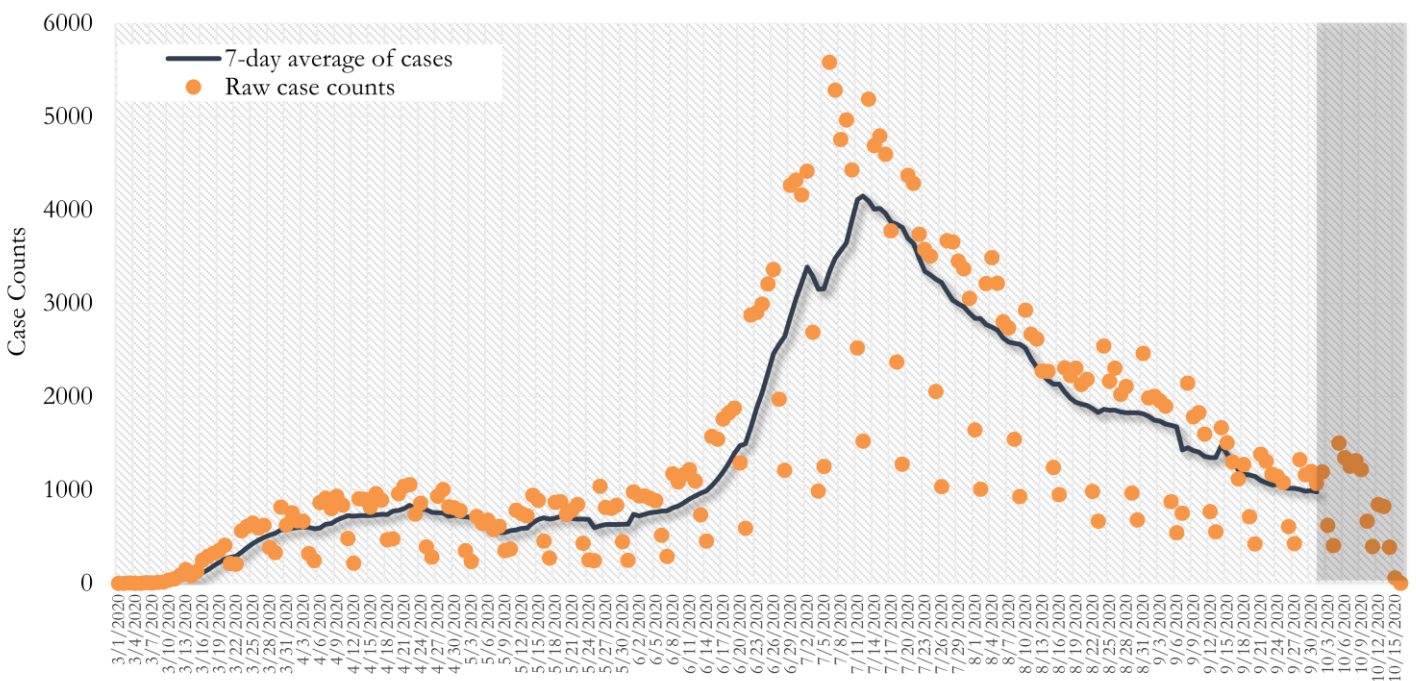
TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)

Fig. 17. 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.

Fig. 18. New COVID-19 Cases in Georgia State 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.
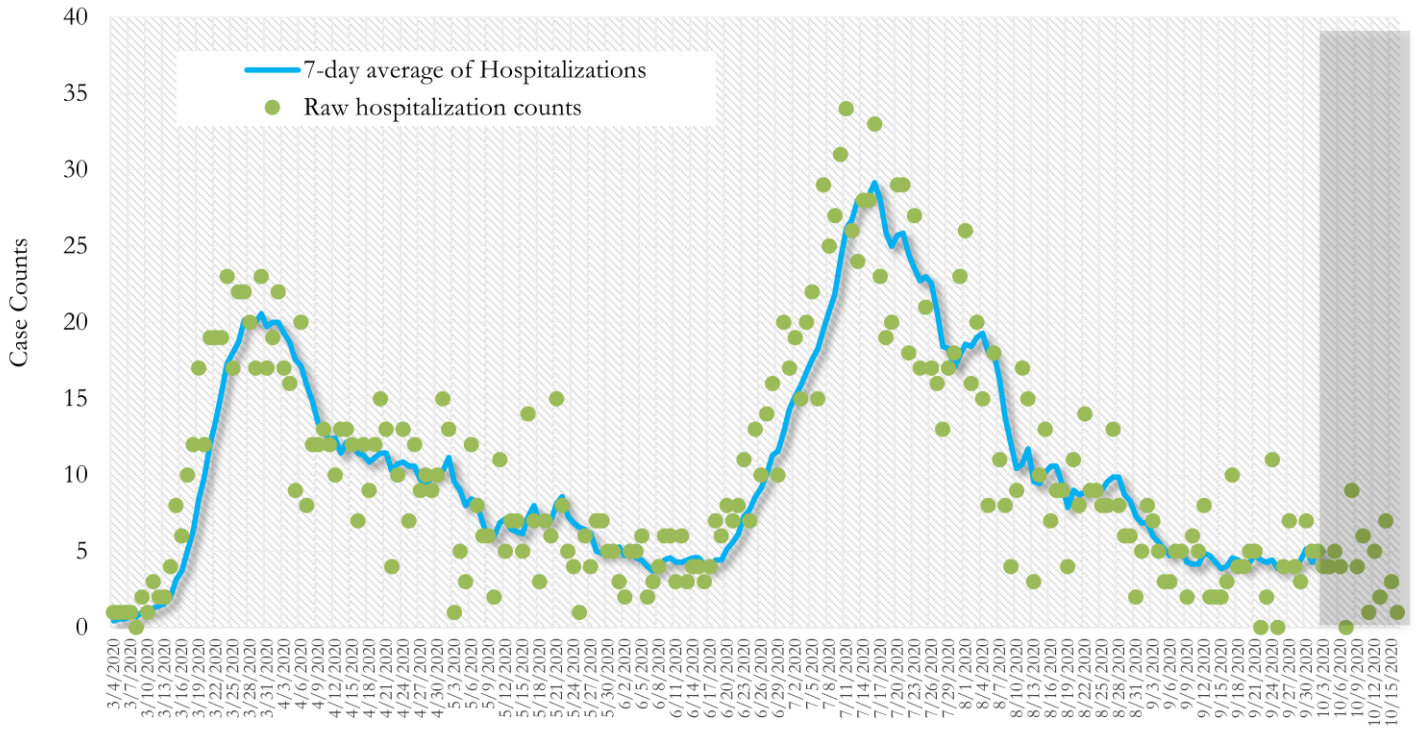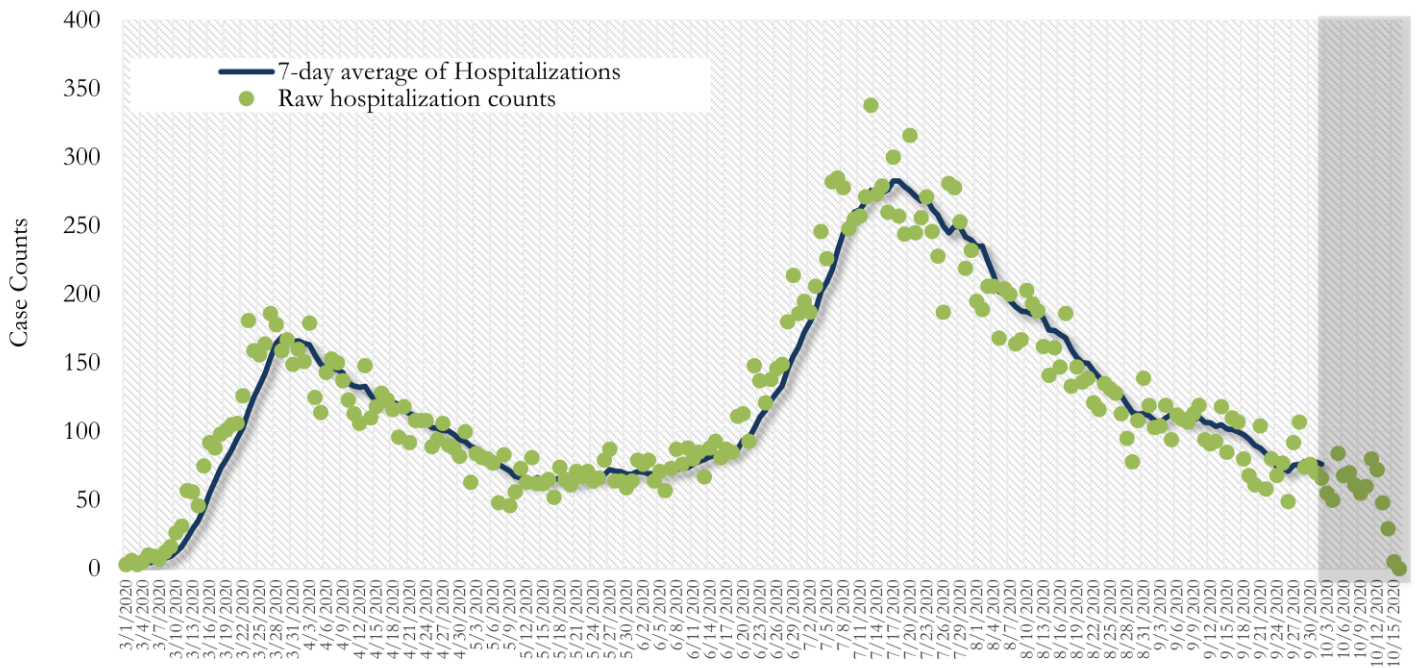
Fig. 19. COVID-19 Hospitalizations in Fulton County Daily (Averaged over 7 days)

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 Hospitalizations in Georgia State Daily (Averaged over 7 days)

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.
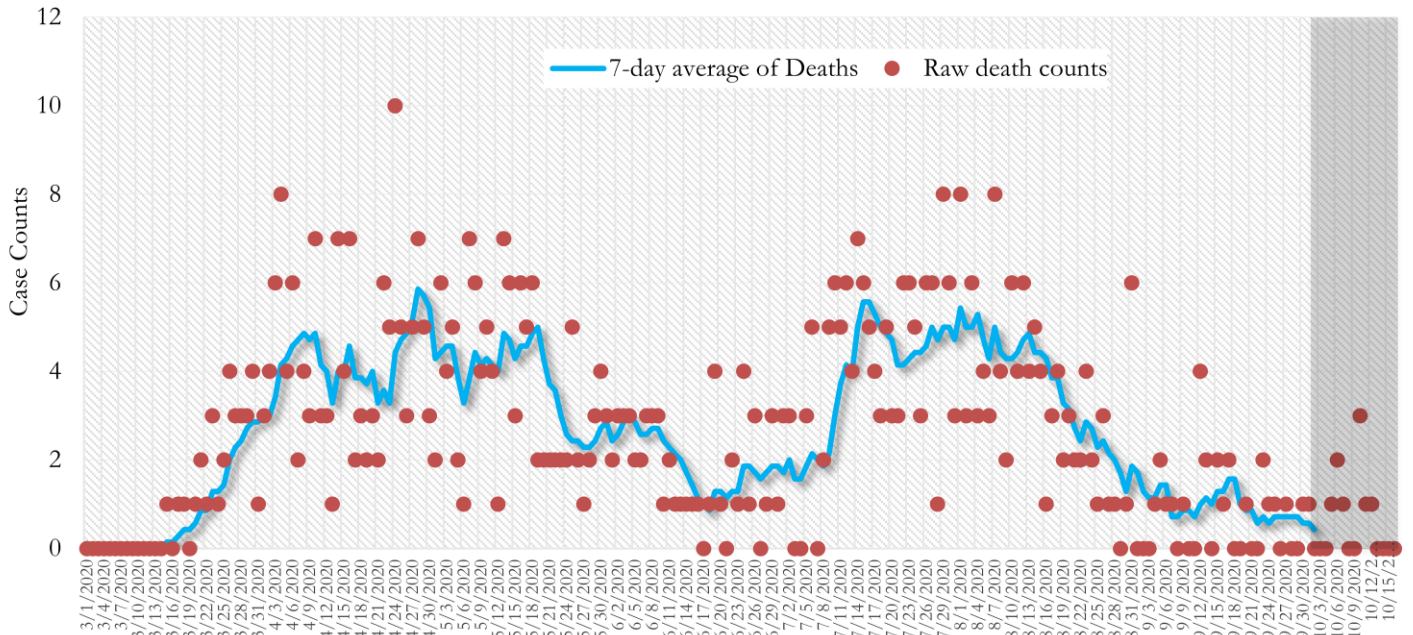
Fig. 21. COVID-19 Deaths in Fulton County Daily (Averaged over 7days)

* 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.
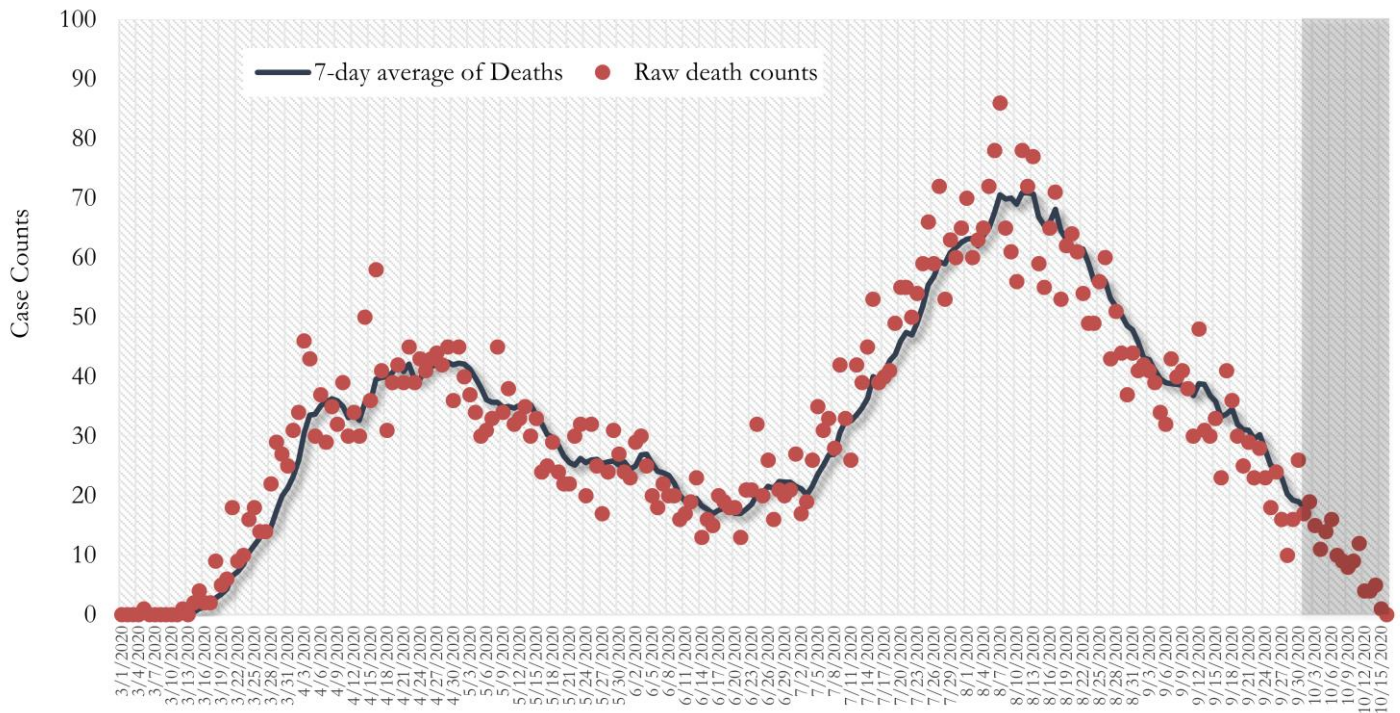
Fig. 22. COVID-19 Deaths in Georgia State Daily (Averaged over 7 days)

*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

Fig. 23. COVID-19 Tests by Age in Fulton County by 14-day Periods
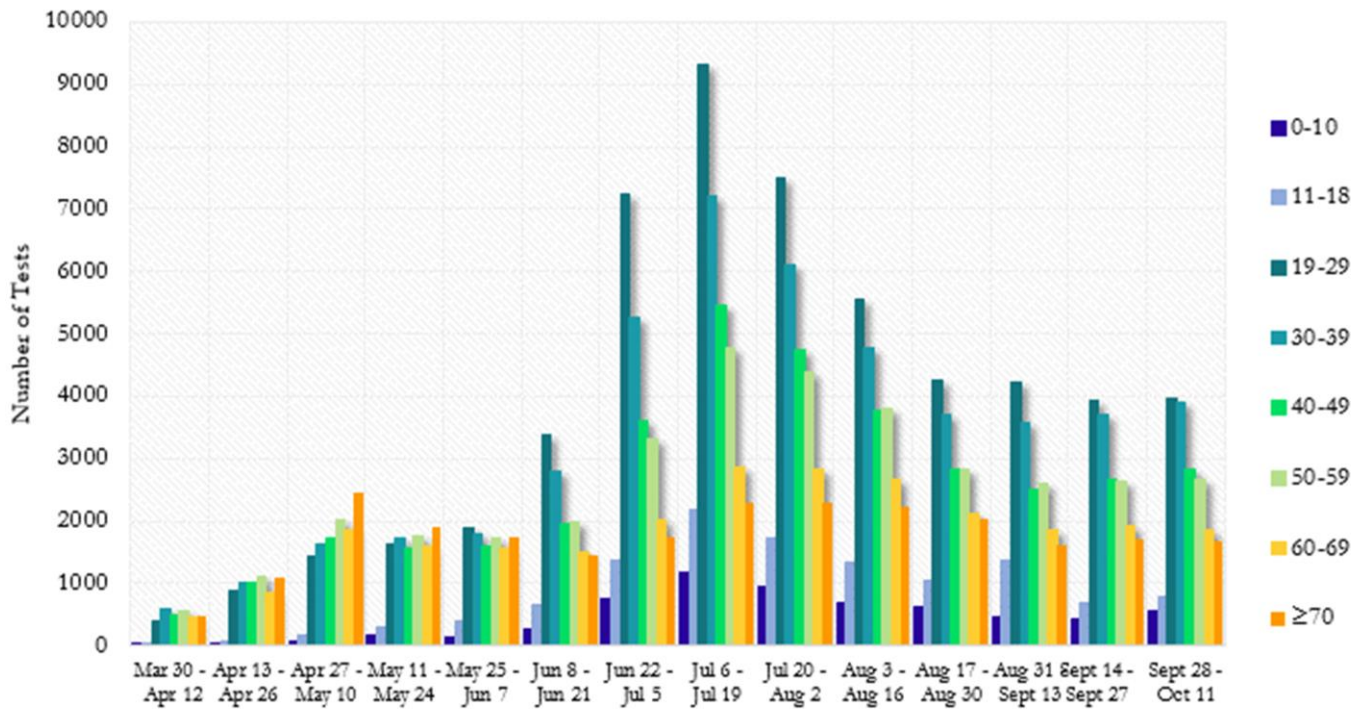
Data on Polymerase Chain Reaction (PCR) tests only included.

Fig. 24. Percent Positive COVID-19 Tests by Age Group in Fulton County by 14-day Periods
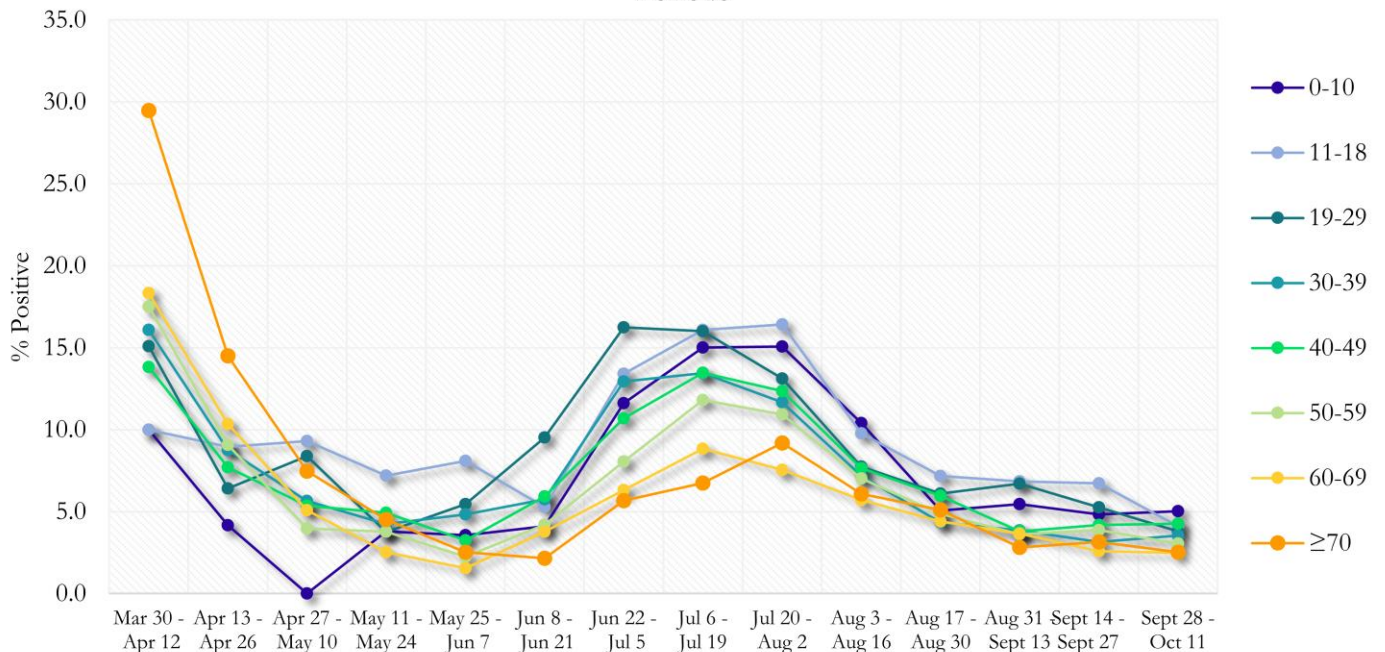
Data on Polymerase Chain Reaction (PCR) tests only included.

Fig. 25. COVID-19 Tests by Race and Ethnicity in Fulton County by 14-day Periods

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

Fig. 26. Percent Positive COVID-19 Tests by Race and Ethnicity in Fulton County by 14-day Periods

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

COVID-19 CASE COUNTS BY ZIP CODE

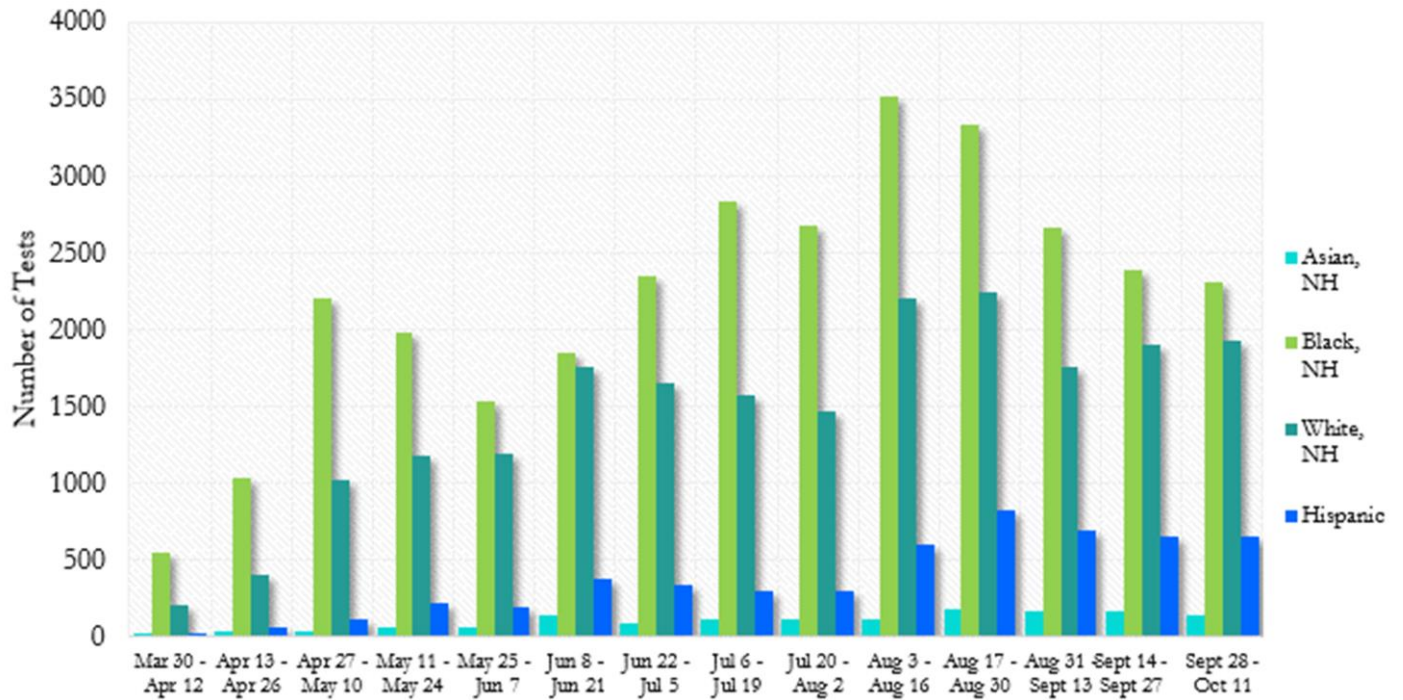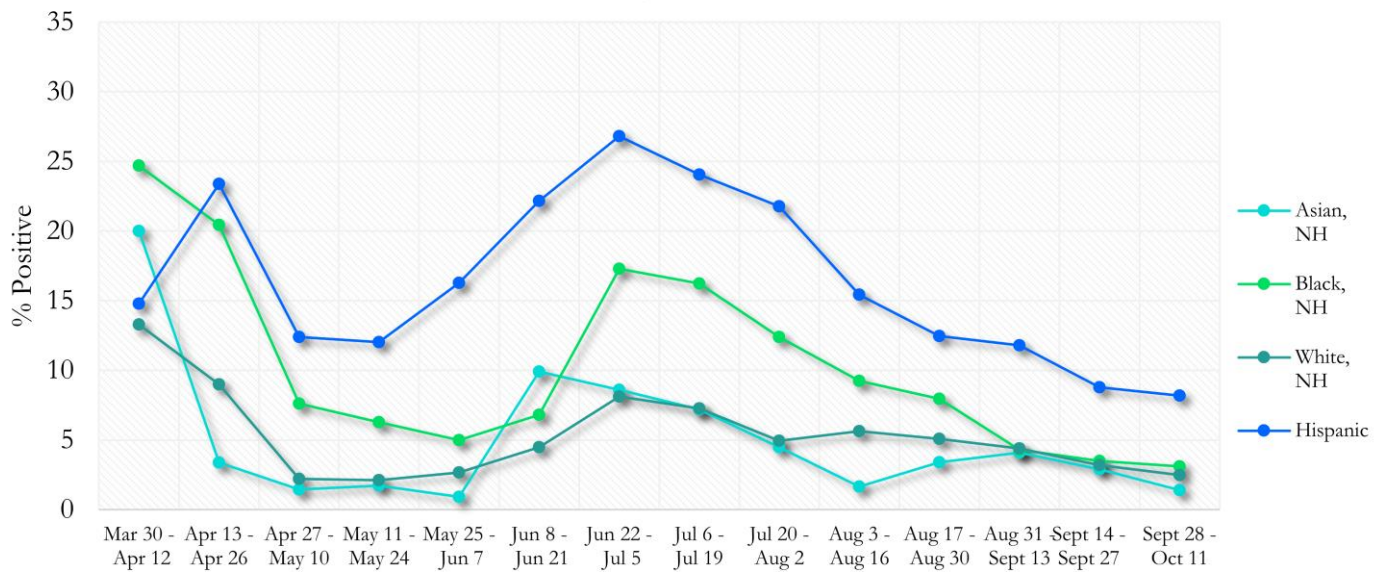|	Prior (10/13/20)	Current Total (10/16/20)		New Cases *(Period: 9/11/20 – 10/9/20)*[1]		
	Count	Count	%	1st 14 days *(Sept 11– Sept 24)*	Last 14 d. *(Sept 25– Oct 9)*	% change[2]
All Fulton	29253	29423	100%	1020	1197	↑ 17.4%
30004	964	976	3.32%	53	56	↑ 5.7%
30005	549	554	1.88%	25	28	↑ 12.0%
30009	484	489	1.66%	36	21	↓ 41.7%
30022	1281	1285	1.08%	62	71	↑ 14.5%
30023	<10	<10	<0.1%	0	0	-
30024	16	12	<0.1%	<10	0	↓ 100.0%
30075	1139	1148	3.90%	51	61	↑ 19.6%
30076	1146	1166	3.96%	64	60	↓ 6.3%
30080	<10	<10	<0.1%	0	0	-
30097	285	281	0.96%	17	16	↓ 5.9%
30098	-	-	-	0	0	-
30135	<10	<10	<0.1%	<10	0	↓ 100.0%
30138	<10	<10	<0.1%	0	0	-
30139	-	-	-	0	0	-
30213	1122	1140	3.87%	33	50	↑ 51.5%
30268	204	199	0.68%	<10	13	↑ 160.0%
30291	793	808	2.75%	21	35	↑ 66.7%
30296	57	53	0.18%	<10	<10	-
30301	11	11	<0.1%	<10	0	↓ 100.0%
30303	375	374	1.27%	<10	<10	-
30305	835	839	2.85%	18	40	↑ 122.2%
30306	353	357	1.21%	<10	13	↑ 116.7%
30307	203	204	0.69%	<10	<10	-
30308	586	598	2.03%	23	18	↓ 21.7%
30309	843	864	2.94%	42	34	↓ 19.0%
30310	759	764	2.60%	22	20	↓ 9.1%
30311	805	817	2.78%	14	23	↑ 64.3%
30312	830	837	2.84%	23	34	↑ 47.8%
30313	316	318	1.08%	14	<10	↓ 50.0%
30314	575	588	2.00%	15	11	↓ 26.7%
30315	901	911	3.10%	28	27	↓ 3.6%
30316	392	393	1.34%	13	<10	↓ 30.8%
30318	1789	1815	6.17%	61	62	↑ 1.6%
30319	156	156	0.53%	<10	10	↑ 66.7%
30321	10	10	<0.1%	0	0	-
30324	951	960	3.26%	36	34	↓ 5.6%
30326	248	250	0.85%	21	<10	↓ 66.7%
30327	593	605	2.06%	20	31	↑ 55.0%
30328	866	876	2.98%	41	52	↑ 26.8%
30331	1824	1841	6.26%	49	85	↑ 73.5%
30334	13	12	<0.1%	0	0	-
30336	86	86	0.29%	<10	0	↓ 100.0%
30337	349	354	1.20%	10	11	↑ 10.0%
30338	135	108	0.37%	0	<10	-
30339	265	261	0.89%	0	<10	-
30340	35	33	0.11%	0	<10	-
30341	31	30	0.10%	0	0	-
30342	1250	1262	4.29%	39	52	↑ 33.3%
30344	940	950	3.23%	16	29	↑ 81.3%
30345	27	27	<0.1%	0	0	-

30349	1868	1888	6.42%	49	67	↑ 36.7%
30350	654	672	2.28%	37	45	↑ 21.6%
30354	442	442	1.50%	<10	16	↑ 128.6%
30358	<10	<10	<0.1%	0	0	-
30363	68	71	0.24%	<10	<10	-
30374	31	31	0.11%	0	0	-
30606	<10	<10	<0.1%	0	0	-
31131	<10	<10	<0.1%	0	0	-
31150	<10	<10	<0.1%	0	0	-
Unknown	938	674	2.29%	14	20	-

[1]*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.* [2]*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**.

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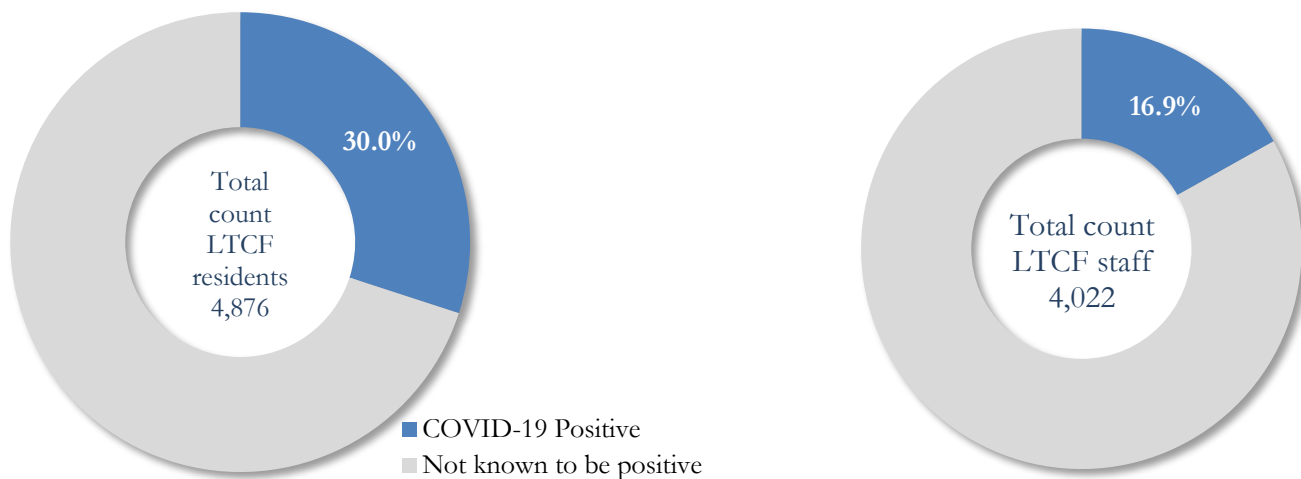## COVID-19 IN LONG-TERM CARE FACILITIES IN FULTON COUNTY

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 → Long-term Care Facility (Incudes residents and Staff)
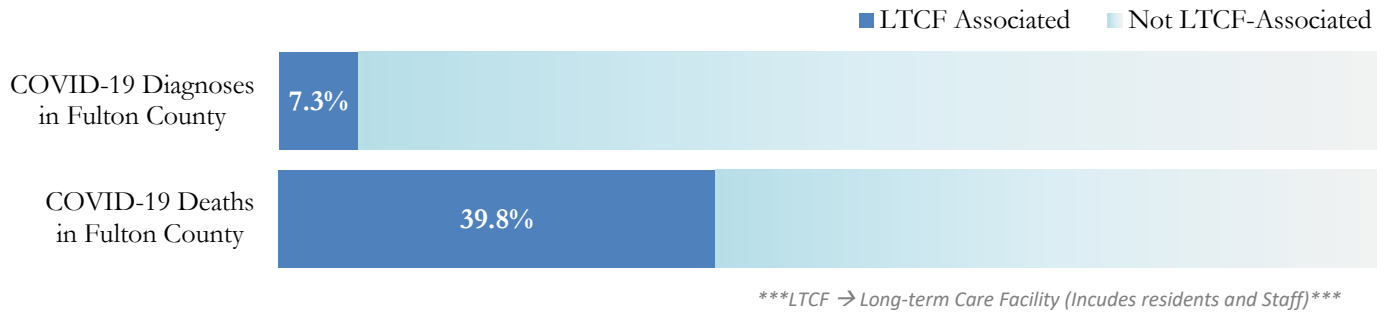
COVID-19 POSITIVITY:

Fig. 28. COVID-19 Positivity at 64 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

	LTCF Residents (n=4,876)			LTCF Staff (n=4,022)		
	Cases	Hospitalizations	Deaths	Cases	Hospitalizations	Deaths
Average (count per fac.)[1]	23	5	4	11	1	<0.1
Median (count per fac.)[1]	10	2	1	8	0	0
Lowest counts	0	0	0	0	0	0
Highest counts	138	48	30	66	8	2
Total Count	**1463 (30.0%)[a]**	**310 (21.2%)[b]**	**235 (16.1%)[b]**	**674 (16.9%)[a]**	**32 (4.7%)[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.