FULTON COUNTY BOARD OF HEALTH

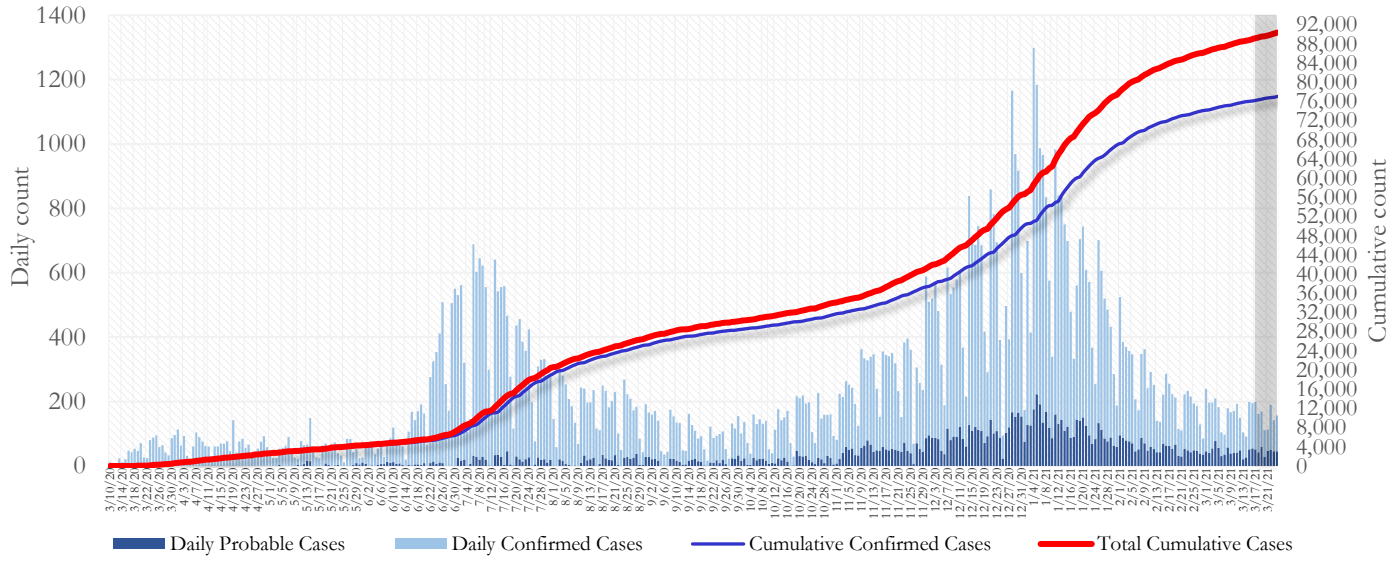
Fulton County Board of Health Epidemiology Report

COVID-19 Cases – 4/2/2021

SUMMARY

- As of April 2, 2021, Fulton County has recorded **78,526 confirmed cases** and **13,613 probable cases** of COVID-19.
- Figure 1 shows both confirmed and probable case counts but the ensuing tables and figures use data from **confirmed cases only.**
- As of April 2, 2021, Fulton County has recorded **1,201 confirmed COVID-19 deaths.** 119 deaths are currently under review by GA DPH to confirm cause of death.
- By city, new confirmed COVID-19 case rates range from 60.8 per 100,000 persons (Hapeville) to 640.0 per 100,000 persons (Mountain Park). **[Fulton County Diagnoses Rates (per 100,000 persons): Cumulative – 7144.0; Incidence –147.7**]. See map showing incident case rate by ZIP code on Pg.12.
- Among all confirmed cases of COVID-19 in Fulton County **since Sept. 1, 4.0% required hospitalization and 1.2% died.**
- Of all PCR testing done in Fulton County between March 15 and March 28, **the percent positivity rate was 4.9%.**

Fig 1. Daily and Cumulative Confirmed and Probable COVID-19 cases in Fulton County, GA



Counts shown reflect the number of cases as of 9:00 pm on 4/1/21 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. The Georgia Department of Health defines a confirmed cases as someone with a positive molecular test, also known as PCR. A probable case is defined as a positive antigen test, though probable cases are still considered positive cases and individuals who tested positive through an antigen test should follow all DPH isolation and quarantine guidance. **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.

THE FOLLOWING ANALYSES (PAGES 1-19) ARE USING DATA ON CONFIRMED CASES ONLY.

DISTRIBUTION OF COVID-19 CASES BY REGION

New cases: 40% of the new COVID-19 cases in the past 2 weeks occurred in Atlanta while 35% and 24% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative count	% New cases*
Atlanta	42.5%	39.5%
North[1]	34.2%	34.9%
South[2]	19.7%	23.5%
Unincorporated/Unknown	3.6%	2.0%

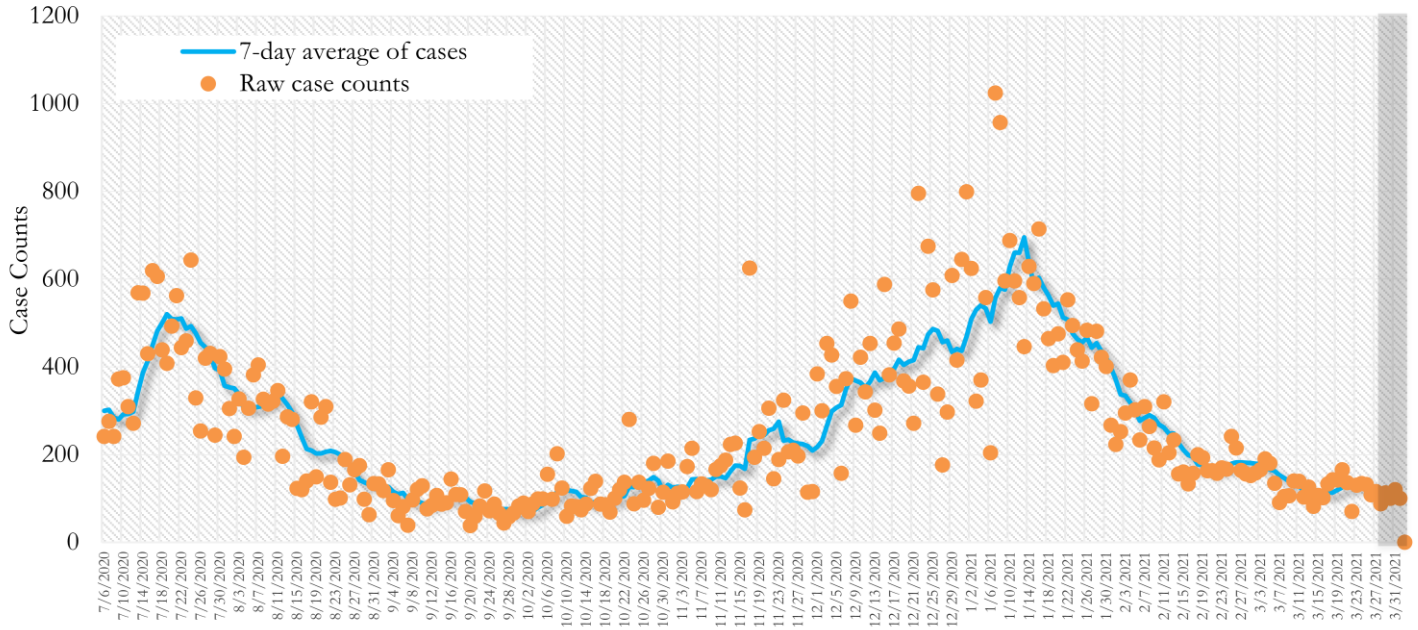
*[1]Includes all Fulton County cities north of Atlanta (Alpharetta, Johns Creek, Milton, Mountain Park, Roswell, Sandy Springs,) | [2]Includes all cities south of Atlanta (Chattahoochee Hills, College Park, East Point, Fairburn, Hapeville, Palmetto, South Fulton, and Union City) *__New cases__: Cases diagnosed in the past 2 weeks only (between 3/13/21 – 3/26/21).*

In the recent two week reporting period (3/13-3/26), there were fewer new cases of COVID-19 in Fulton County than the previous two weeks (2/27-3/12).

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

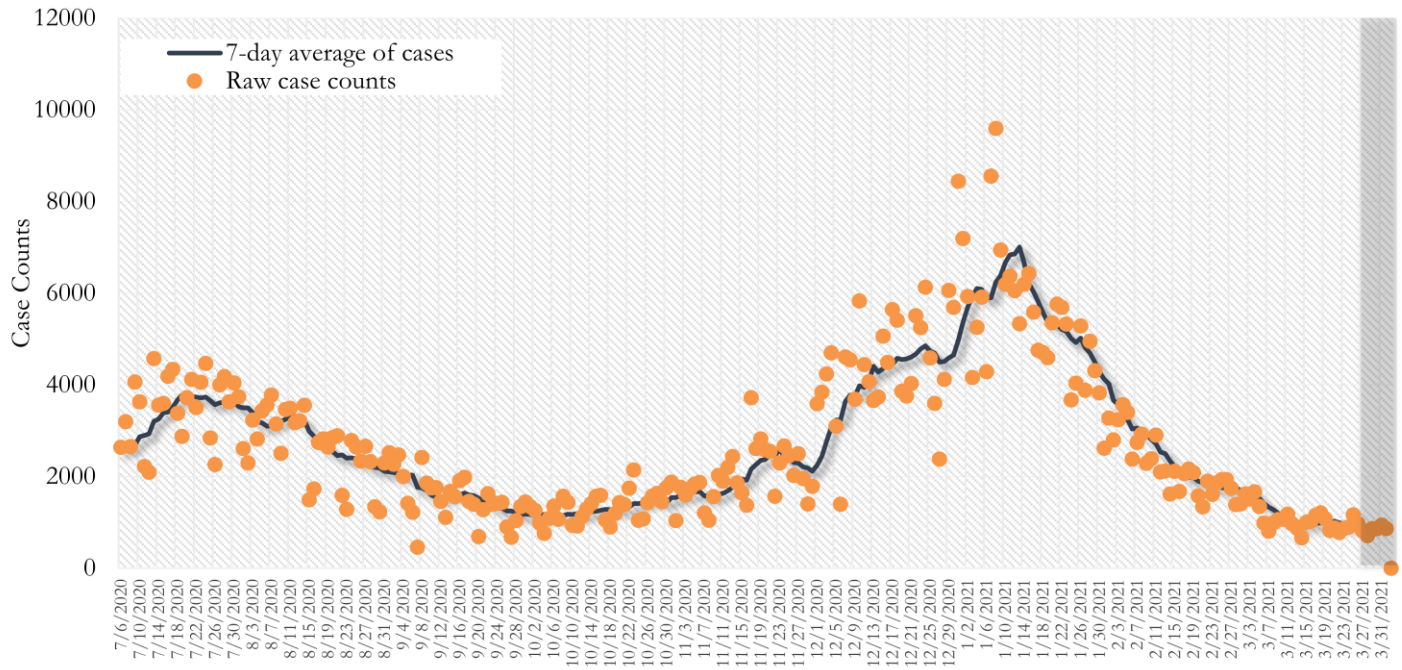
TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)

Fig. 2. New COVID-19 Cases in Fulton County Daily (Averaged over 7 days)



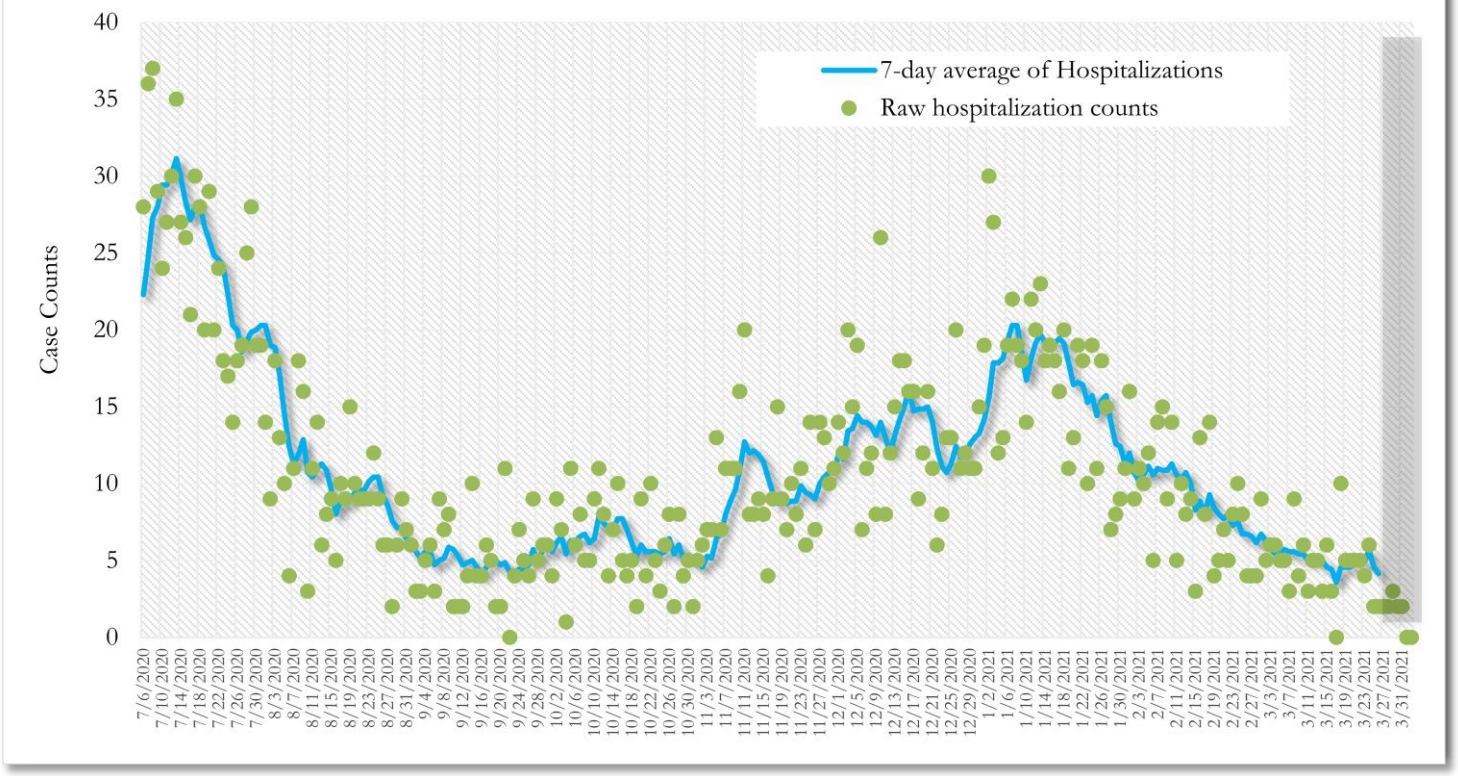
**Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject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

Fig. 3. New COVID-19 Cases in Georgia State Daily (Averaged over 7 days)



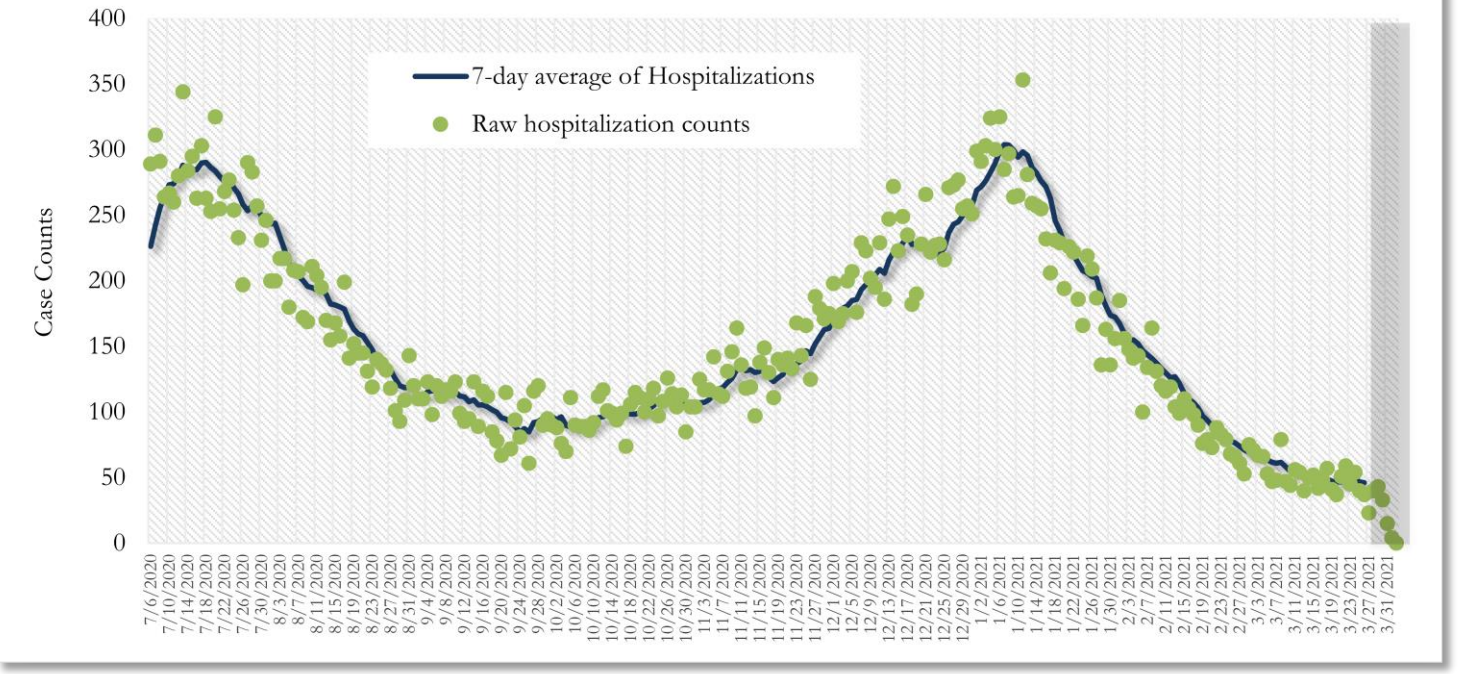
**Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject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

Fig. 4. COVID-19 Hospitalizations in Fulton County Daily (Averaged over 7 days)



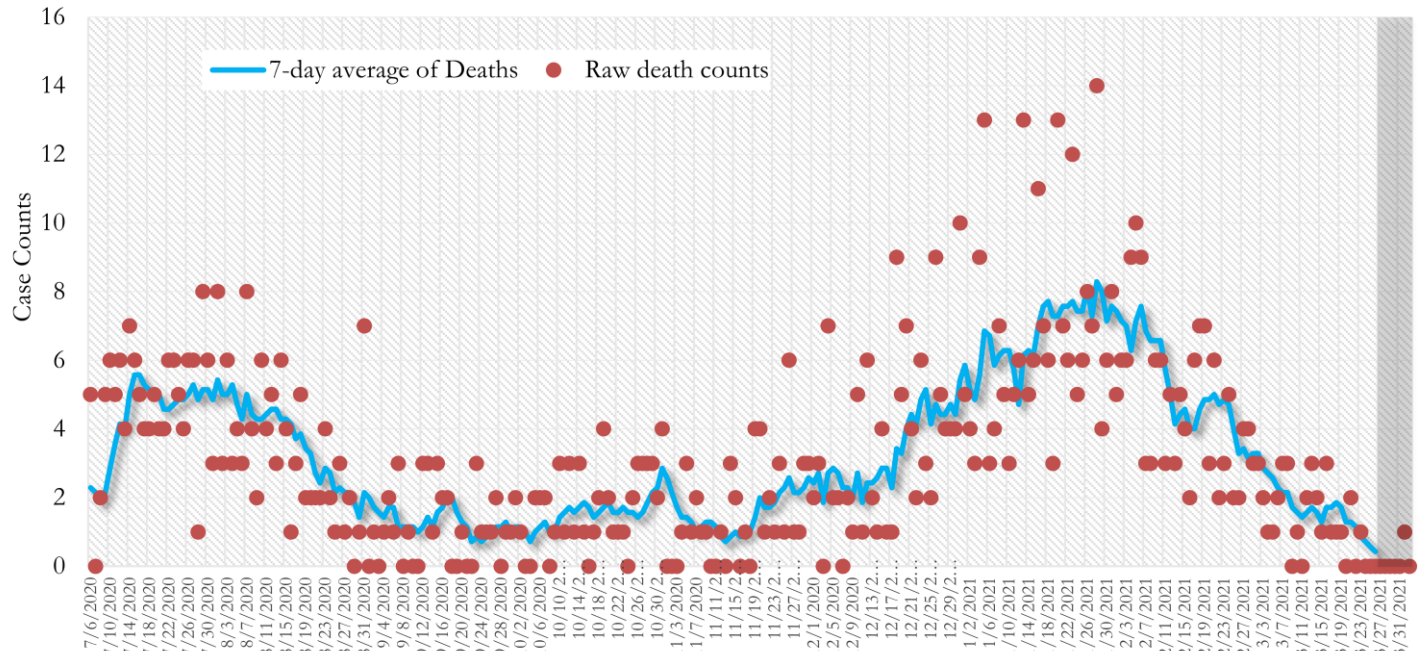
**Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the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

Fig. 5. COVID-19 Hospitalizations in Georgia State Daily (Averaged over 7 days)



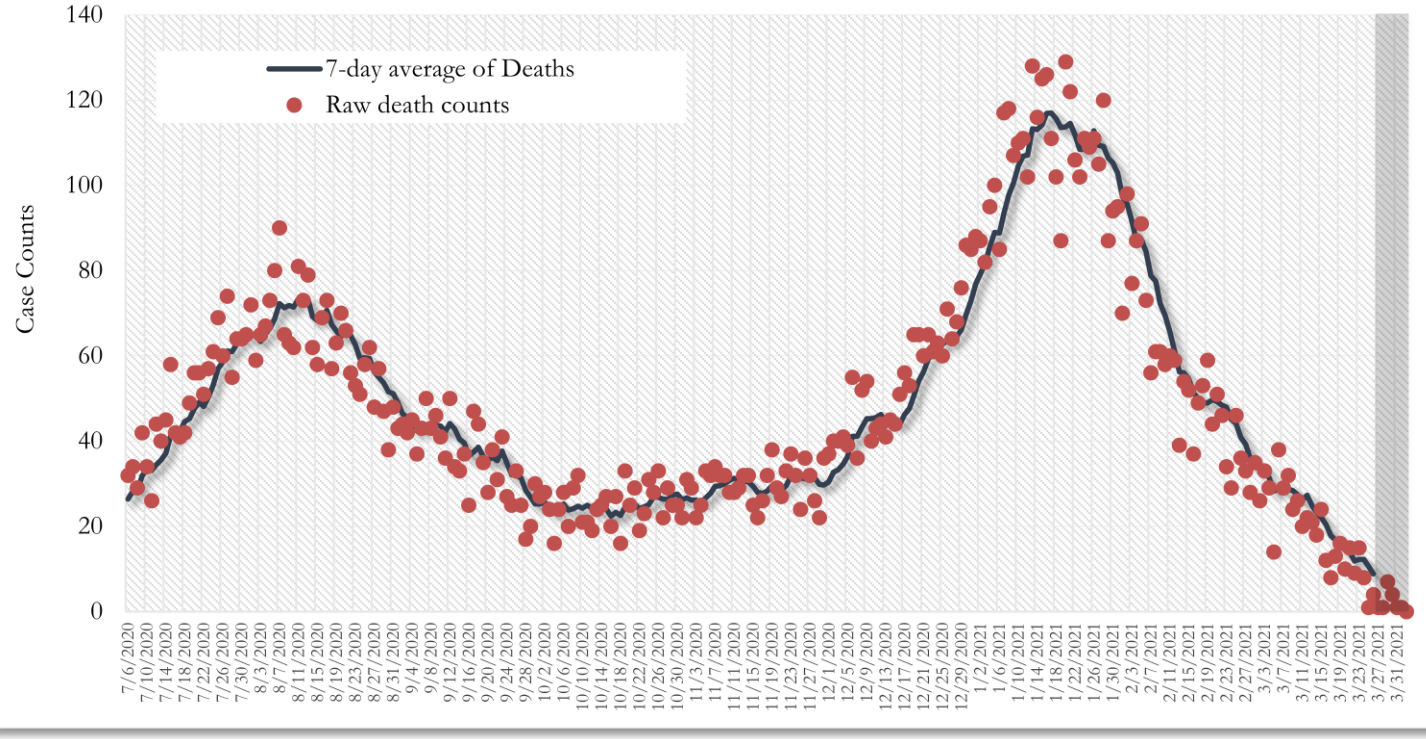
**Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the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

Fig. 6. COVID-19 Deaths in Fulton County 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.*

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

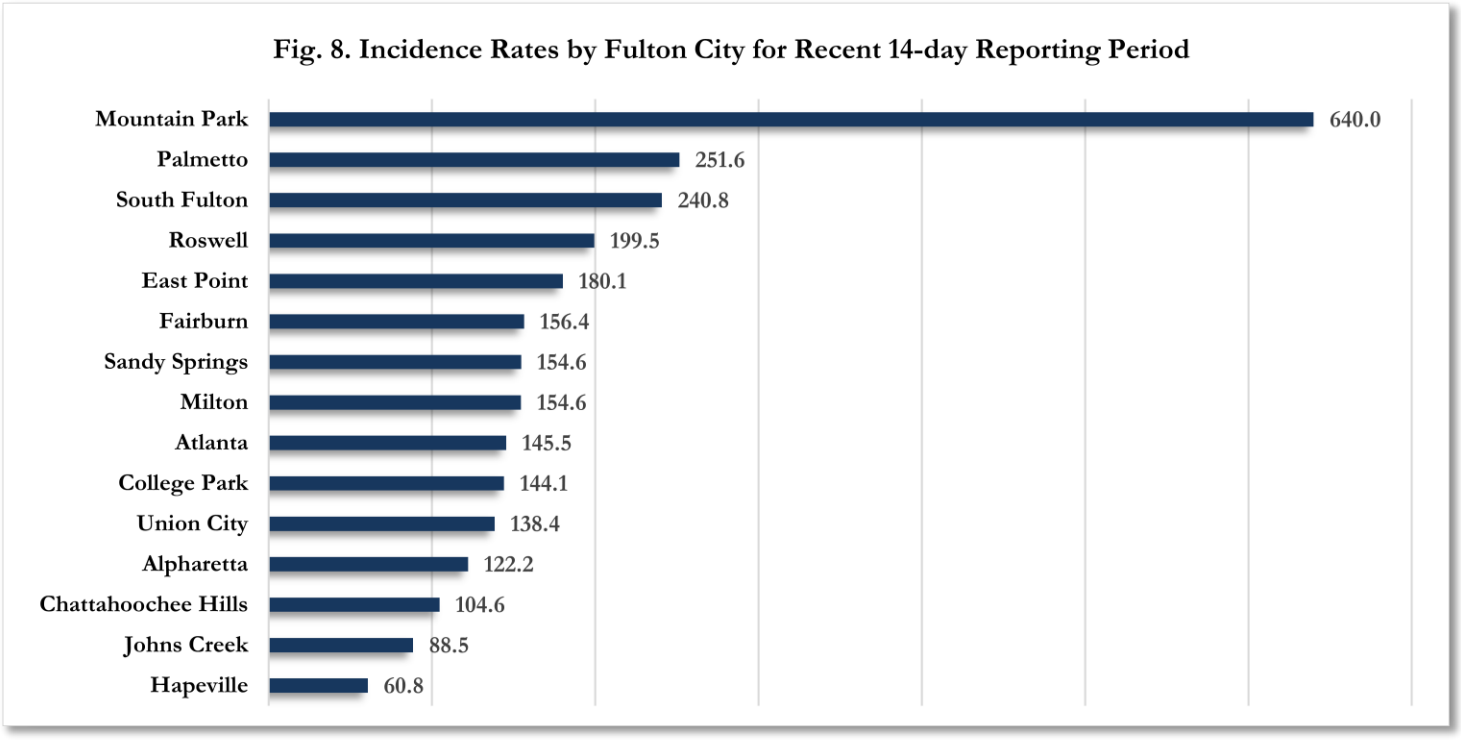


**Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.*

COVID-19 CASE COUNTS AND RATES BY CITY

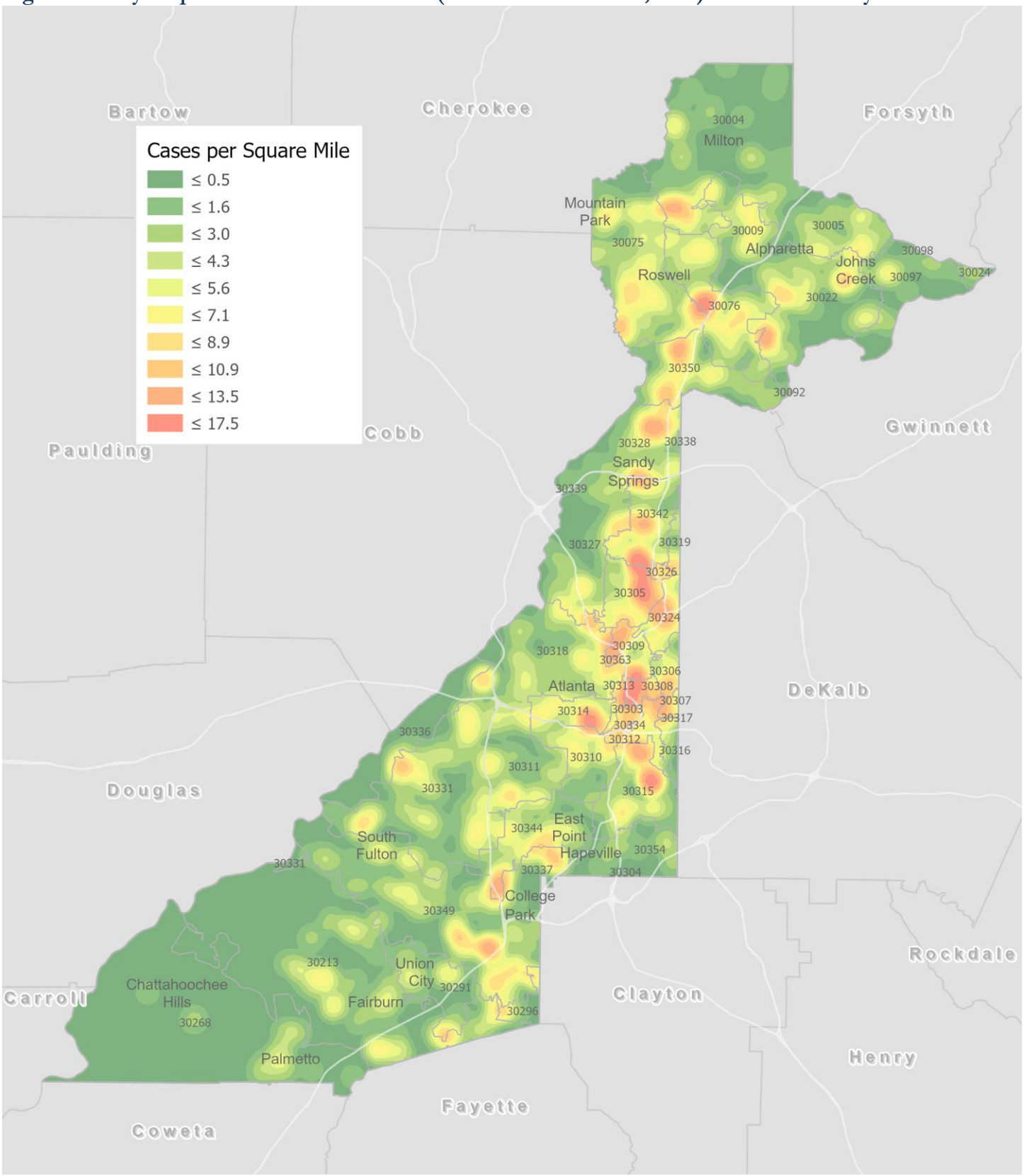
	Recent 14-day reporting period[1]	Preceding 14-day reporting period	% Change from preceding 14 days (%)[2]	Incidence Rate[3]
	3/13-3/26	*2/27-3/12*		
Alpharetta	79	98	↓ 19.4%	122.2
Atlanta	642	790	↓ 18.7%	145.5
Chattahoochee Hills	<10	<10	↑ 50.0%	104.6
College Park	20	26	↓ 23.1%	144.1
East Point	63	64	↓ 1.6%	180.1
Fairburn	23	30	↓ 23.3%	156.4
Hapeville	<10	<10	↓ 33.3%	60.8
Johns Creek	74	68	↑ 8.8%	88.5
Milton	59	63	↓ 6.3%	154.6
Mountain Park	<10	0	-	640.0[4]
Palmetto	11	11	-	251.6
Roswell	188	137	↑ 37.2%	199.5
Sandy Springs	163	167	↓ 2.4%	154.6
South Fulton	229	149	↑ 53.7%	240.8
Union City	29	38	↓ 23.7%	138.4
Unknown	32	42	-	-

*[1]**New cases:** Cases diagnosed in most recent 14 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]**% 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. [3]**(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 counts. 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.[4]Incidence rate is skewed high due to small population.. **Note: All data reported are preliminary and subject to change**.*



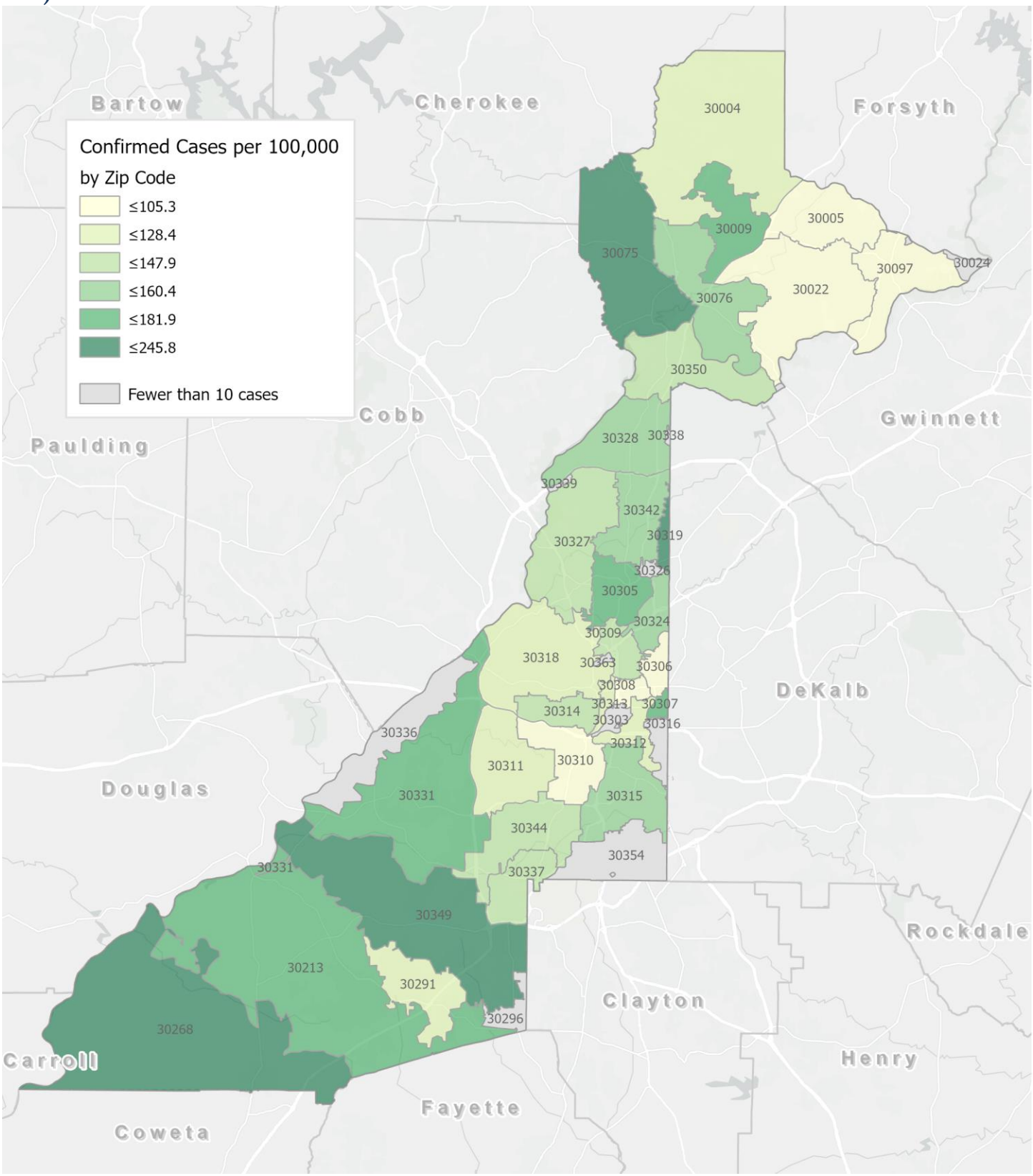
**Rates shown are per 100,000 persons | All data shown are preliminary and are subject to change as testing results get updated.*

Fig. 9. Density Map – New COVID-19 Cases (March 13 – March 26, 2021) 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 Mar 13th and Mar 26th, 2021 across Fulton County, excluding LTCF cases.*

Fig. 10. New COVID-19 Diagnoses Rates (per 100,000 population) by Zip Code (March 13 – March 26, 2021)



**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 12 for zip code break down table.*

COVID-19 NEW CASE[1] COUNTS BY ZIP CODE

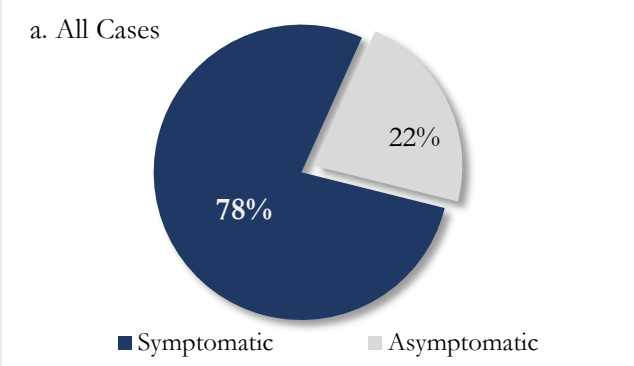
Zip Code	Recent 14-day reporting period *(3/13– 3/26)*	Previous 14-day reporting period *(2/27– 3/12)*	% Change between reporting periods[2]
All Fulton	**1624**	**1691**	**↓ 4.0%**
30004	71	94	↓ 24.5%
30005	32	31	↑ 3.2%
30009	32	39	↓ 17.9%
30022	78	74	↑ 5.4%
30023	0	0	-
30024	<10	0	-
30075	100	63	↑ 58.7%
30076	79	68	↑ 16.2%
30080	0	0	-
30097	16	15	↑ 6.7%
30098	0	0	-
30135	0	0	-
30138	0	0	-
30139	0	0	-
30213	76	63	↑ 20.6%
30268	19	13	↑ 46.2%
30291	28	36	↓ 22.2%
30296	10	<10	↑ 150.0%
30301	0	<10	↓ 100.0%
30303	10	11	↓ 9.1%
30305	55	47	↑ 17.0%
30306	16	17	↓ 5.9%
30307	13	<10	↑ 160.0%
30308	19	32	↓ 40.6%
30309	43	54	↓ 20.4%
30310	33	52	↓ 36.5%
30311	44	49	↓ 10.2%
30312	33	50	↓ 34.0%
30313	13	29	↓ 55.2%
30314	39	31	↑ 25.8%
30315	57	88	↓ 35.2%
30316	<10	20	↓ 65.0%
30318	79	120	↓ 34.2%
30319	17	<10	↑ 112.5%
30321	<10	0	-
30324	43	37	↑ 16.2%
30326	<10	<10	-
30327	39	52	↓ 25.0%
30328	65	60	↑ 8.3%
30331	120	76	↑ 57.9%
30334	<10	0	-
30336	<10	<10	-
30337	18	24	↓ 25.0%
30338	<10	<10	-
30339	<10	<10	-
30340	0	0	-
30341	0	0	-
30342	60	70	↓ 14.3%
30344	57	61	↓ 6.6%
30345	0	0	-
30349	110	88	↑ 25.0%
30350	54	46	↑ 17.4%
30354	13	19	↓ 31.6%
30358	0	0	-
30363	<10	<10	-
30374	0	0	-
30606	0	0	-
31131	0	0	-
31150	0	0	-
Unknown	<10	21	-

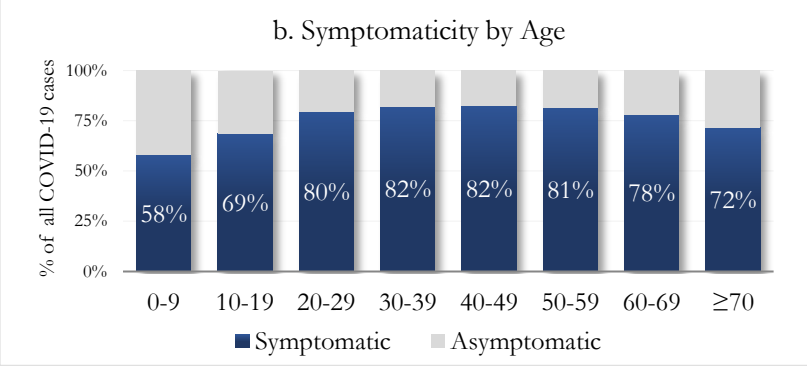
*[1]**New cases:** Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. [2]**Percent 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*

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, fatigue, or new loss of taste or smell – Centers for Disease Control and Prevention (CDC) – Centers for Disease Control and Prevention (CDC) https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html

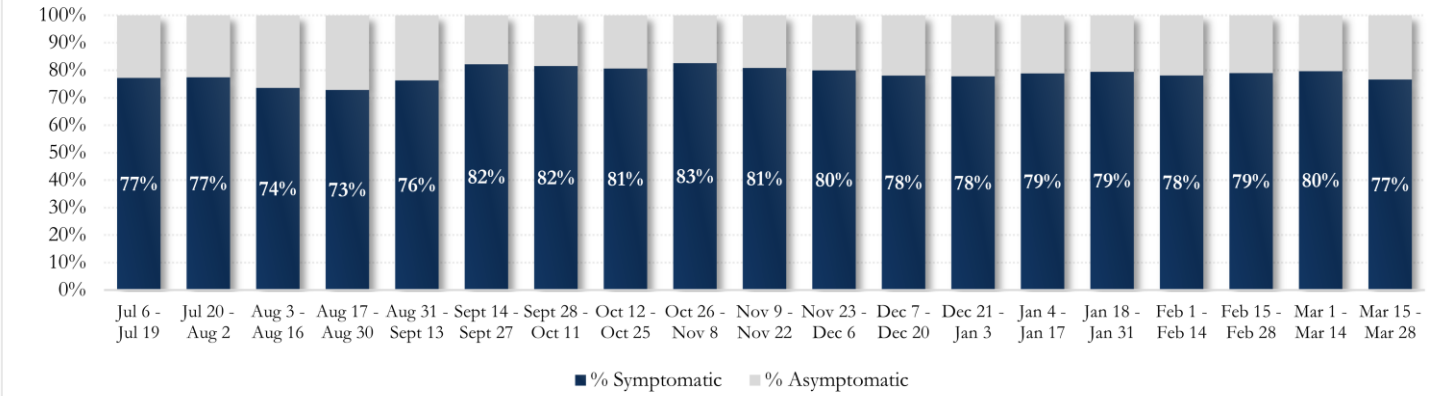
Fig. 11a & b. Total Proportion Reporting Symptoms in Fulton





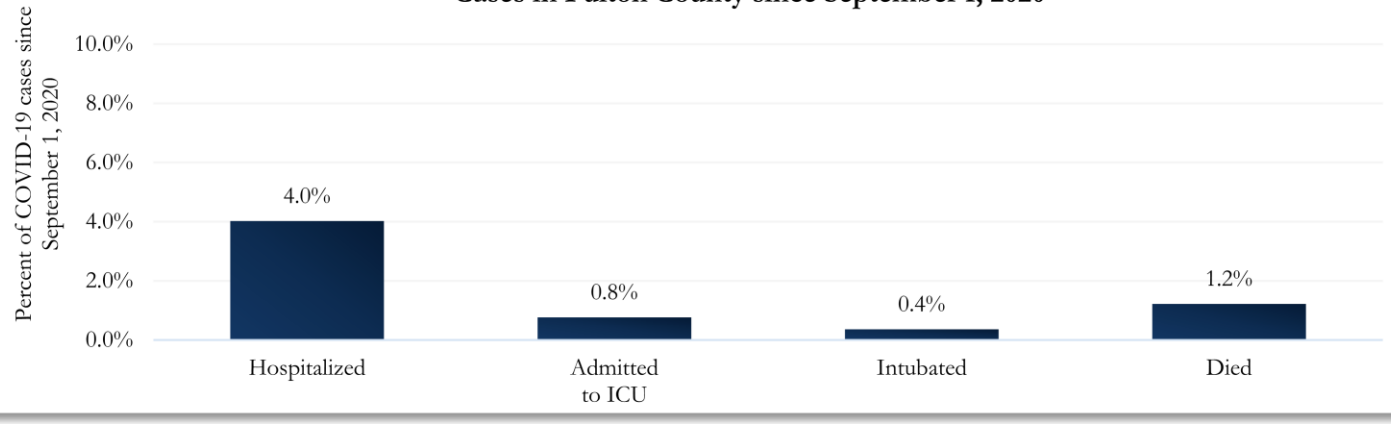
****COVID-19 cases who have been case interviewed or had medical charts reviewed as of 4/2/21 only. n = 47,532****

Fig 12. Total Proportion Reporting Symptoms in Fulton County Over Time



COVID-19 HOSPITALIZATIONS, ICU ADMISSIONS AND DEATHS IN FULTON

Fig. 13. Hospitalizations, ICU Admissions, Intubations, and Deaths among COVID-19 Cases in Fulton County since September 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 in the past 28 days (2/27-3/26)

		North Fulton Cities[1] Count (%)	Atlanta Count (%)	South Fulton Cities[2] Count (%)	Unknown City Count (%)	All Fulton Count (%)
Total COVID-19 cases		**1047**	**1357**	**676**	**97**	**3177**
Gender:	Female	548 (52%)	698 (51%)	391 (58%)	51 (53%)	1688 (53%)
	Male	498 (48%)	655 (48%)	284 (42%)	42 (43%)	1479 (47%)
	Unknown*	<10	<10	<10	<10	10 (<1%)
Age:	0-9	59 (6%)	58 (4%)	38 (6%)	<10	159 (5%)
	10-19	243 (23%)	179 (13%)	82 (12%)	<10	512 (16%)
	20-29	156 (15%)	343 (25%)	106 (16%)	15 (15%)	620 (20%)
	30-39	139 (13%)	289 (21%)	125 (18%)	19 (20%)	572 (18%)
	40-49	169 (16%)	170 (13%)	106 (16%)	15 (15%)	460 (14%)
	50-59	171 (16%)	163 (12%)	109 (16%)	20 (21%)	463 (15%)
	60-69	73 (7%)	81 (6%)	75 (11%)	<10	238 (7%)
	≥70	37 (4%)	73 (5%)	32 (5%)	<10	148 (5%)
	Unknown*	<10	<10	<10	<10	<10
Race:	Asian, NH	73 (7%)	21 (2%)	<10	<10	101 (3%)
	Black, NH	140 (13%)	555 (41%)	508 (75%)	31 (32%)	1234 (39%)
	White, NH	467 (45%)	353 (26%)	33 (5%)	38 (39%)	891 (28%)
	Hispanic	104 (10%)	90 (7%)	33 (5%)	<10	234 (7%)
	Other, NH	72 (7%)	81 (6%)	22 (3%)	<10	179 (6%)
	Unknown*	191 (18%)	257 (19%)	76 (11%)	14 (14%)	538 (17%)

**Unknown includes cases not yet interviewed. 28 days delayed by seven to account for lag in reporting lab results. [1]Includes all Fulton County cities north of Atlanta (Alpharetta, Johns Creek, Milton, Mountain Park, Roswell, Sandy Springs). [2]Includes all cities south of Atlanta (Chattahoochee Hills, College Park, East Point, Fairburn, Hapeville, Palmetto, South Fulton, and Union City)*

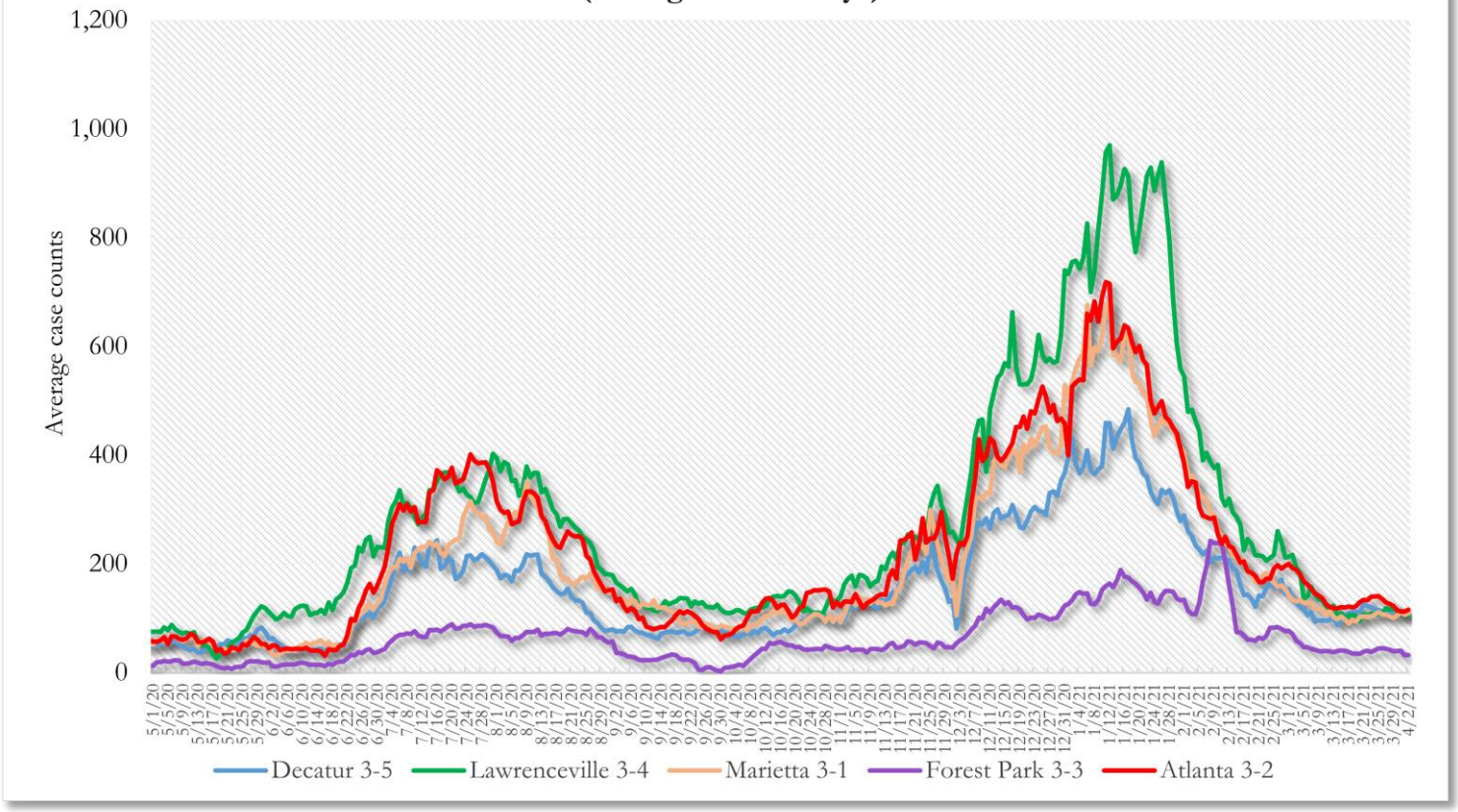
B. Distribution of COVID-19 deaths by gender, age, and race in Fulton County in the past 28 days (2/27 - 3/26)

		Count of New Deaths	% of New Deaths
Total COVID-19 deaths		**44**	
Gender:	Female	21	48%
	Male	23	52%
	Unknown	-	-
Age:	≤ 29	-	-
	30-39	<10	2%
	40-49	<10	2%
	50-59	<10	9%
	60-69	11	25%
	≥70	27	61%
	Unknown	-	-
Race:	Asian, NH	-	-
	Black, NH	36	82%
	White, NH	<10	14%
	Hispanic	<10	5%
	Other, NH	-	-
	Unknown	-	-

*This table was previously showing deaths among those who have tested positive in the past 28 days, but is now showing **ALL** persons who had a positive PCR test result for Covid-19 and there is evidence that COVID-19 was the cause of death or a significant contributor to their death in the past 28 days).*

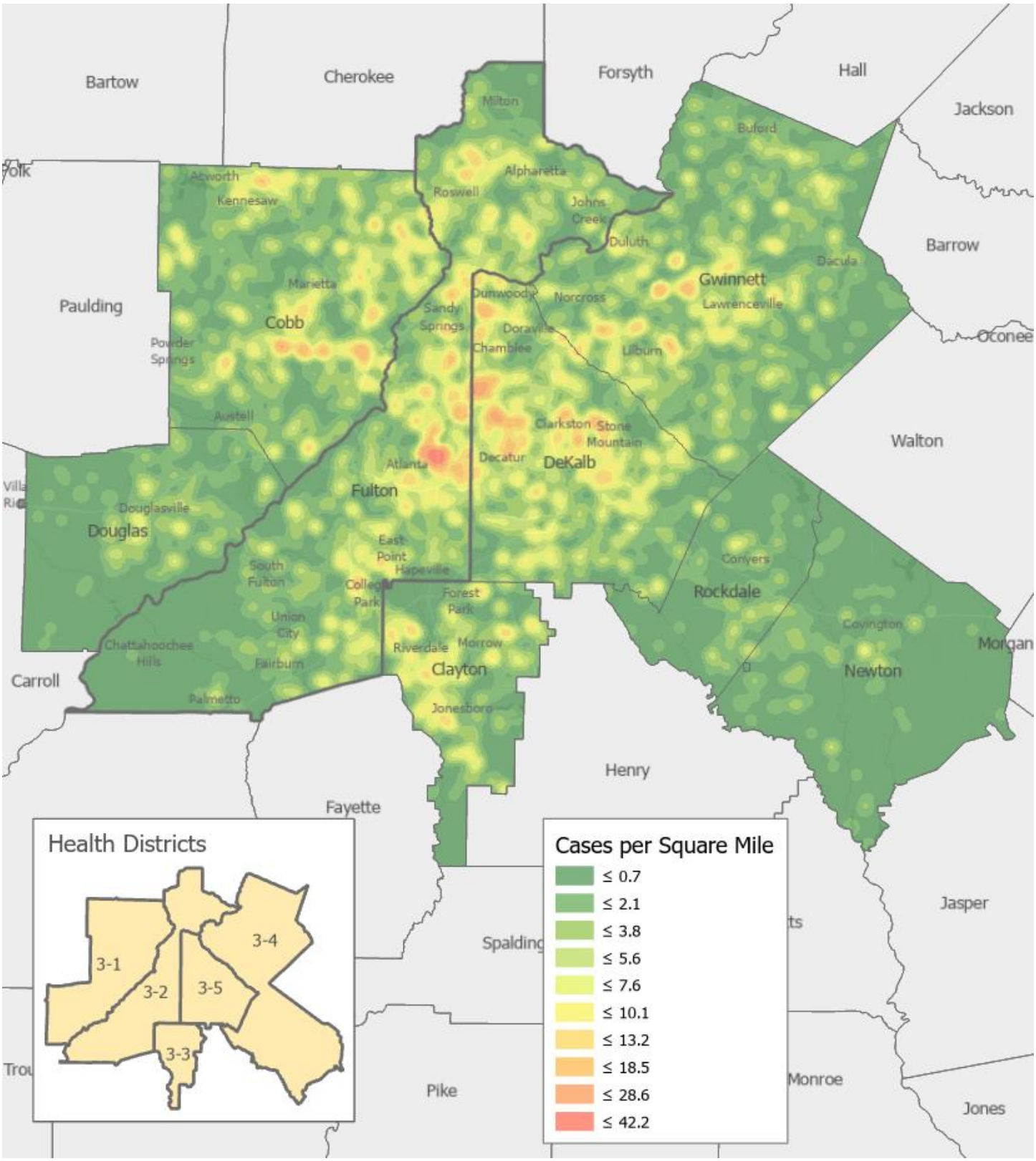
COVID-19 CASE TRENDS IN FULTON AND SURROUNDING DISTRICTS

Fig. 14. Daily Case Counts for Atlanta Metro Districts (Averaged over 7 days)



**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. 15. COVID-19 Cases in Fulton County and Surrounding Districts (March 13 – March 26, 2021)



The following data are updated every two weeks.

Last updated 3/30/2021

Data are from confirmed cases and PCR testing only.

These data are generated using a fixed start date and counted forward in 14-day intervals. Using these time blocks allows for the stability in trends over time and accounts for delays in reporting lab results.

In the interest of keeping the reports concise and useful, the cumulative counts updated on a monthly basis can now be viewed between updates at the Fulton County Board of Health website here.

Please visit the Georgia Department of Public Health Daily Status Report here for cumulative daily counts.

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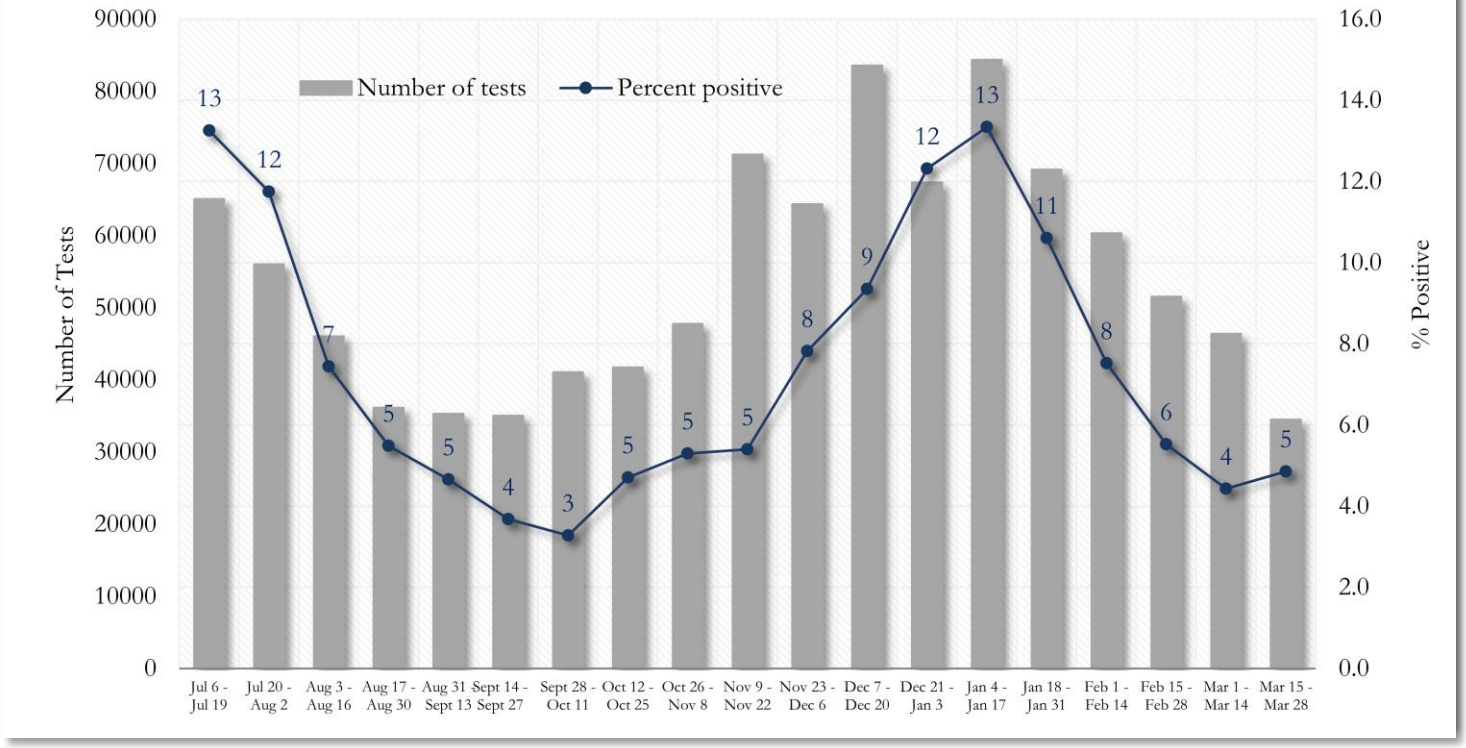
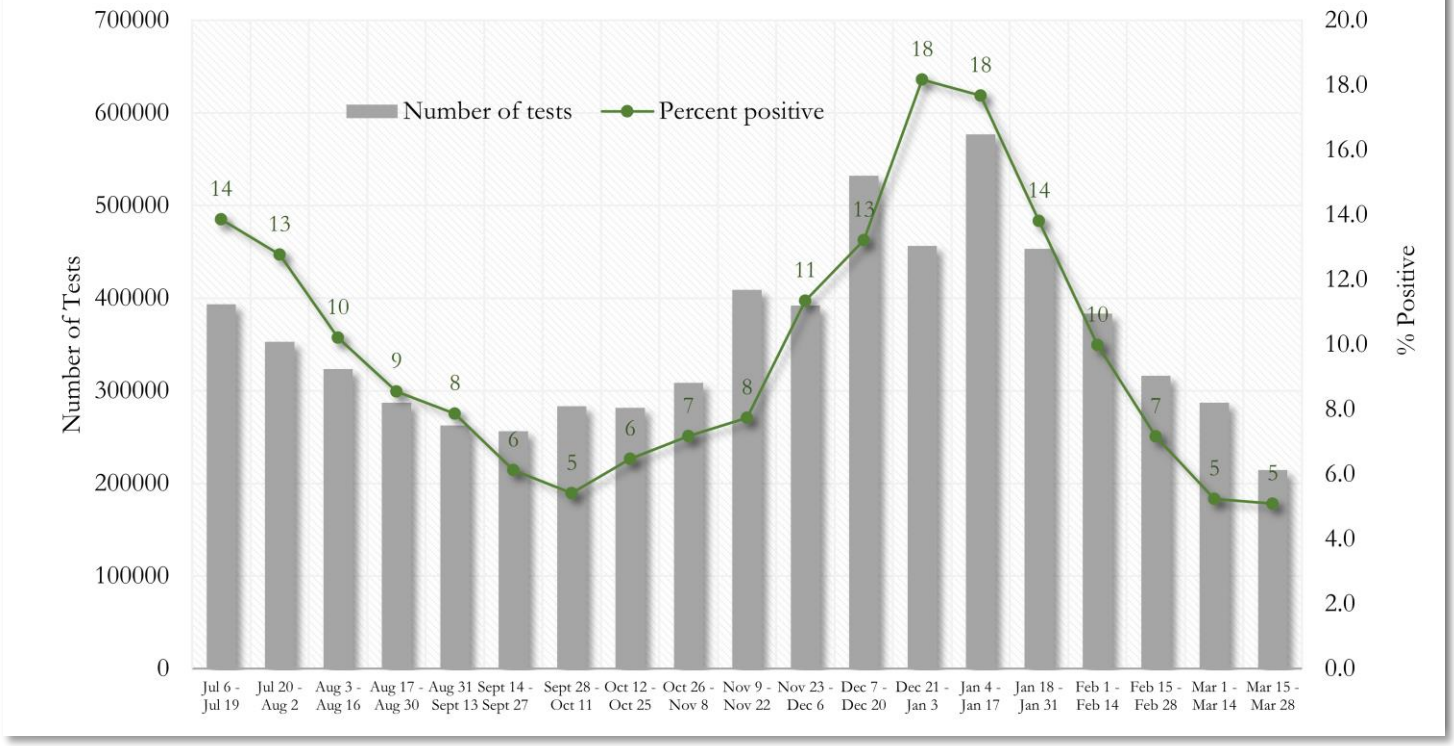
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY AND GEORGIA

Fig. 16. Trends in Positive COVID-19 Tests in Fulton County by 14-day Periods



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

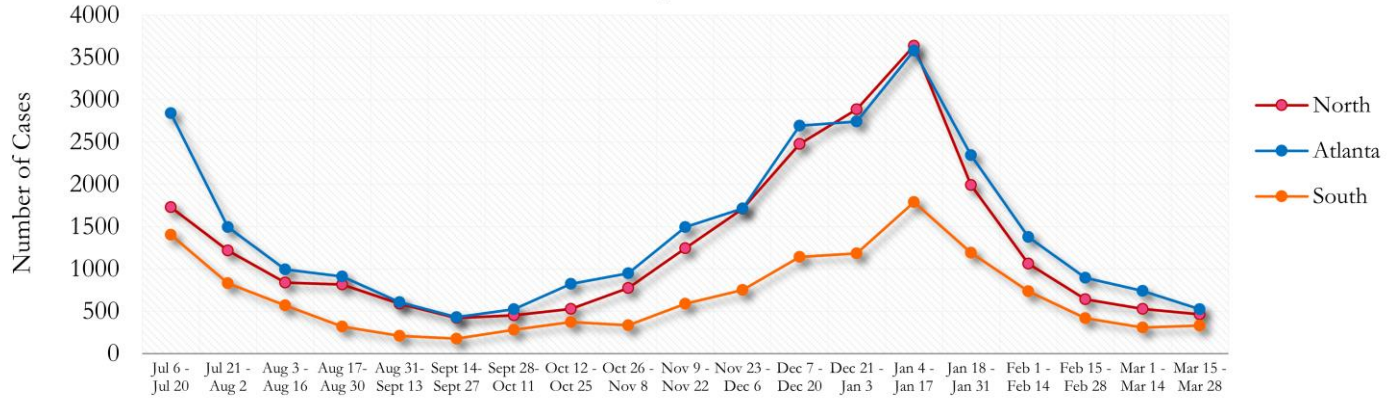
Fig. 17. Trends in Positive COVID-19 Tests in Georgia by 14-day Periods



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

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

Fig. 18. Trends in Geographic distribution of COVID-19 Cases in Fulton County by 14-day periods



In the past two weeks, the city of Atlanta has accounted for the majority of new cases.

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

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

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

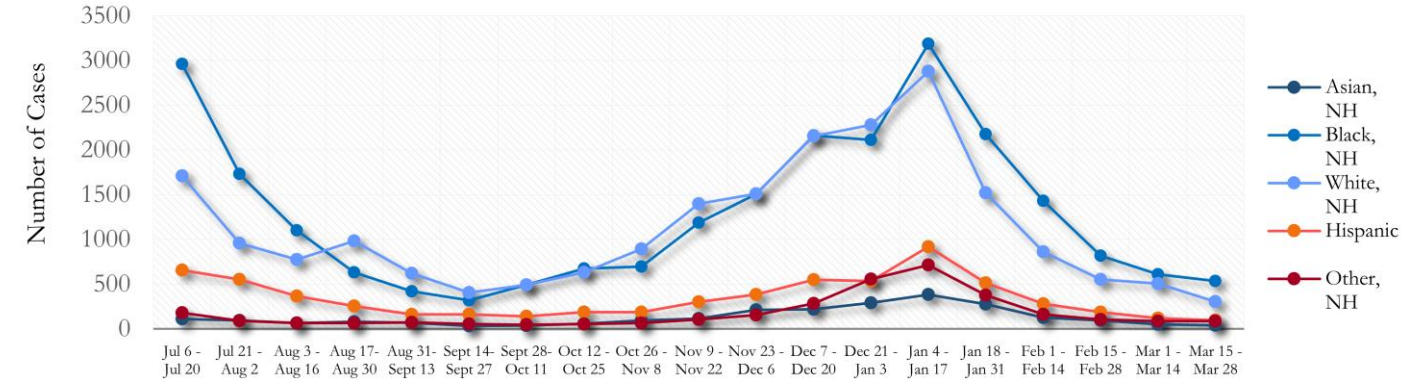
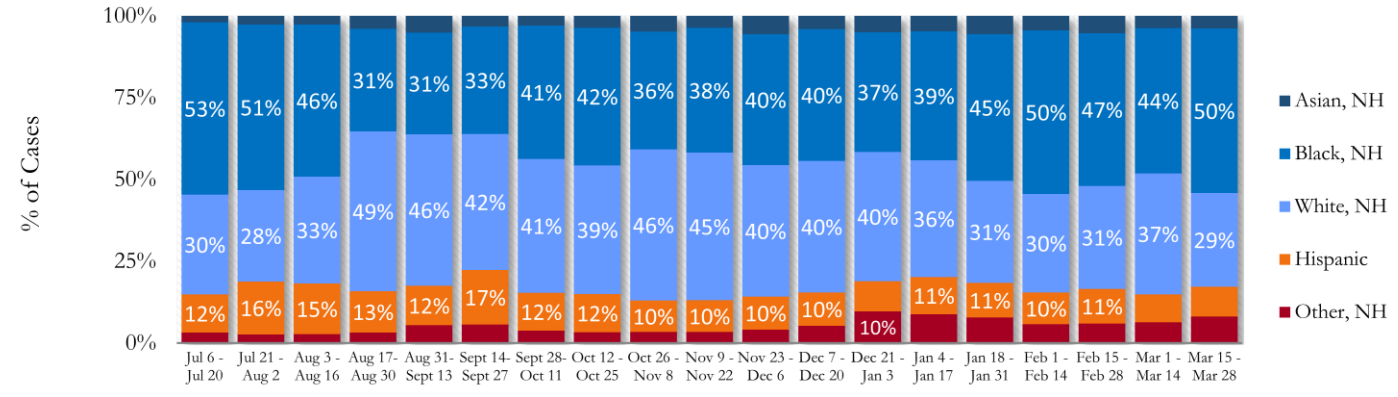


Fig. 20. Racial Distribution of COVID-19 Cases in Fulton County by 14-day periods



About 13% of all Fulton County COVID cases are missing data on patient race and ethnicity and in the past two weeks, about 22% of cases are missing this data.

Fig. 21. Trends in Gender Distribution of COVID-19 Cases in Fulton County by 14-day periods

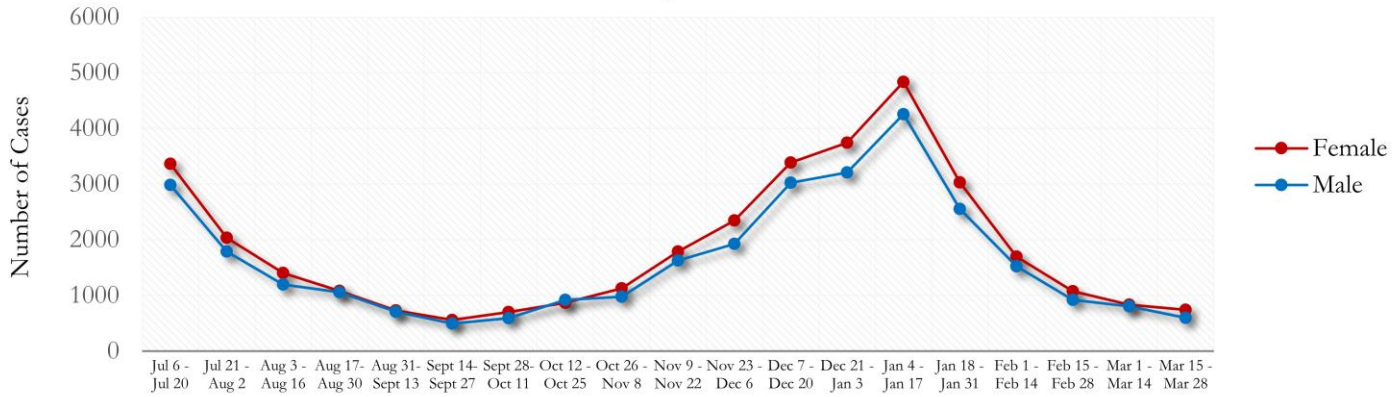
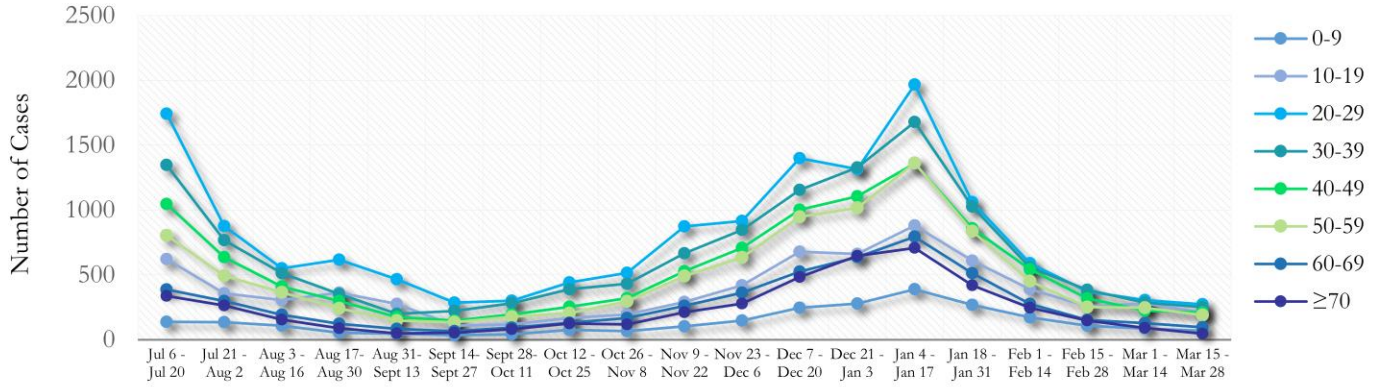
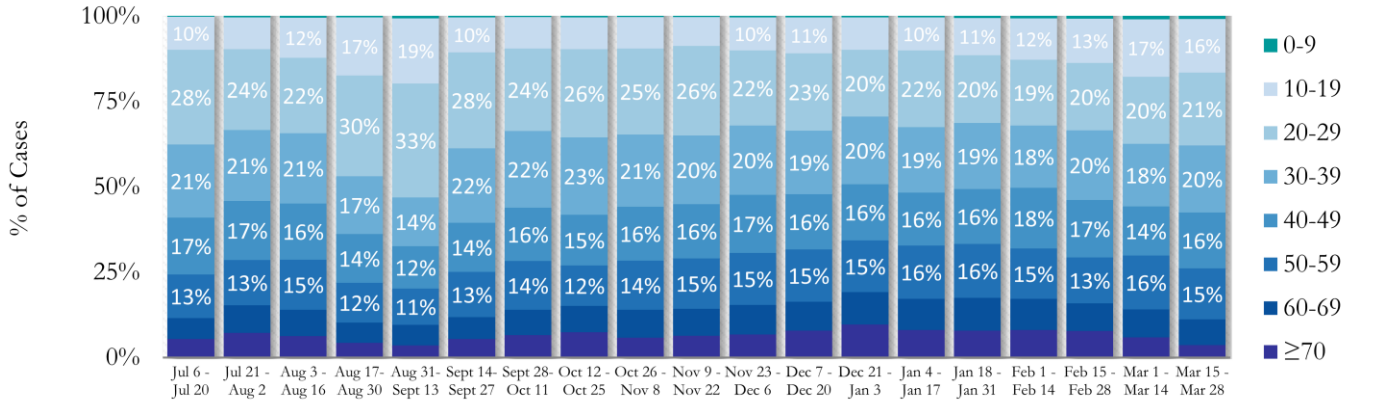


Fig. 22. Trends in Age Distribution of COVID-19 Cases in Fulton County by 14-day periods



In the most recent two weeks, 20-29 year olds and 30-39 year olds accounted for the majority of new cases.

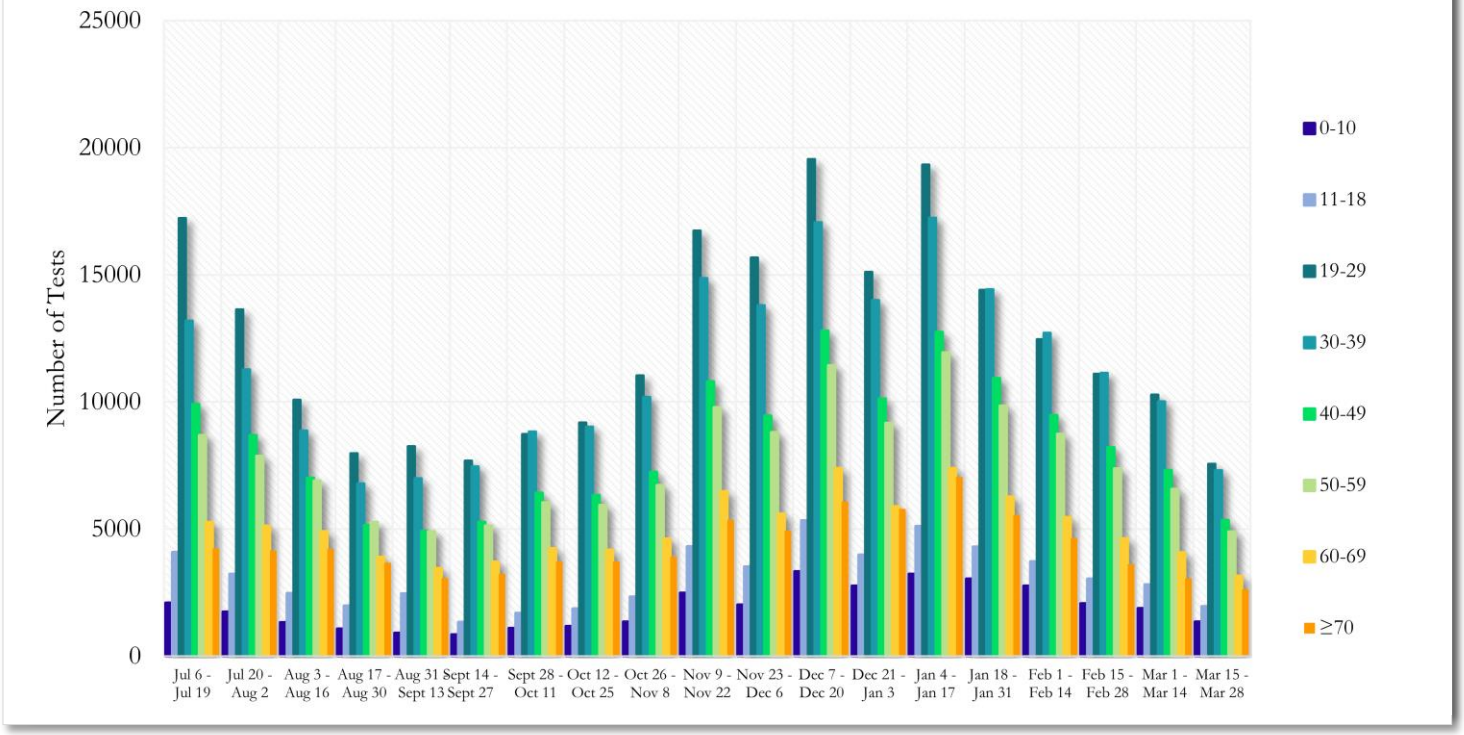
Fig. 23. Age Distribution of COVID-19 Cases in Fulton County by 14-day periods



Value labels under 10% are not shown.

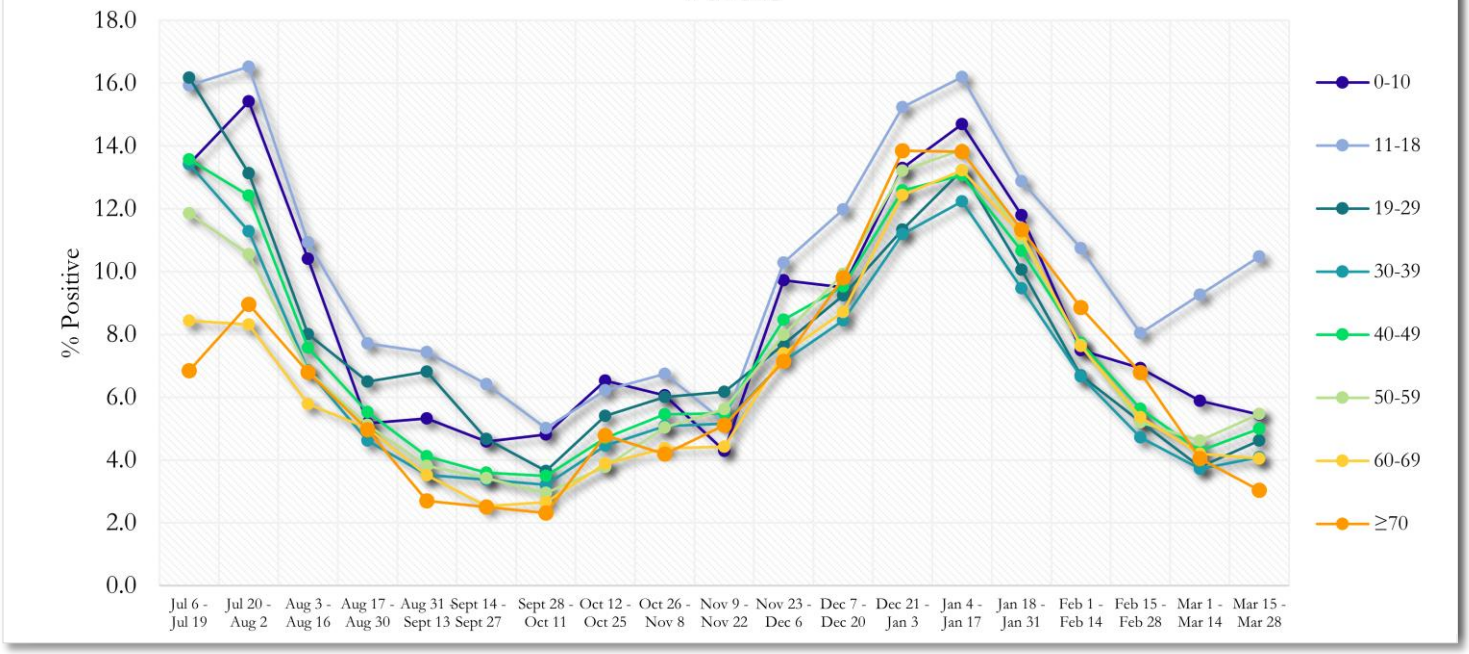
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY BY AGE AND RACE

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



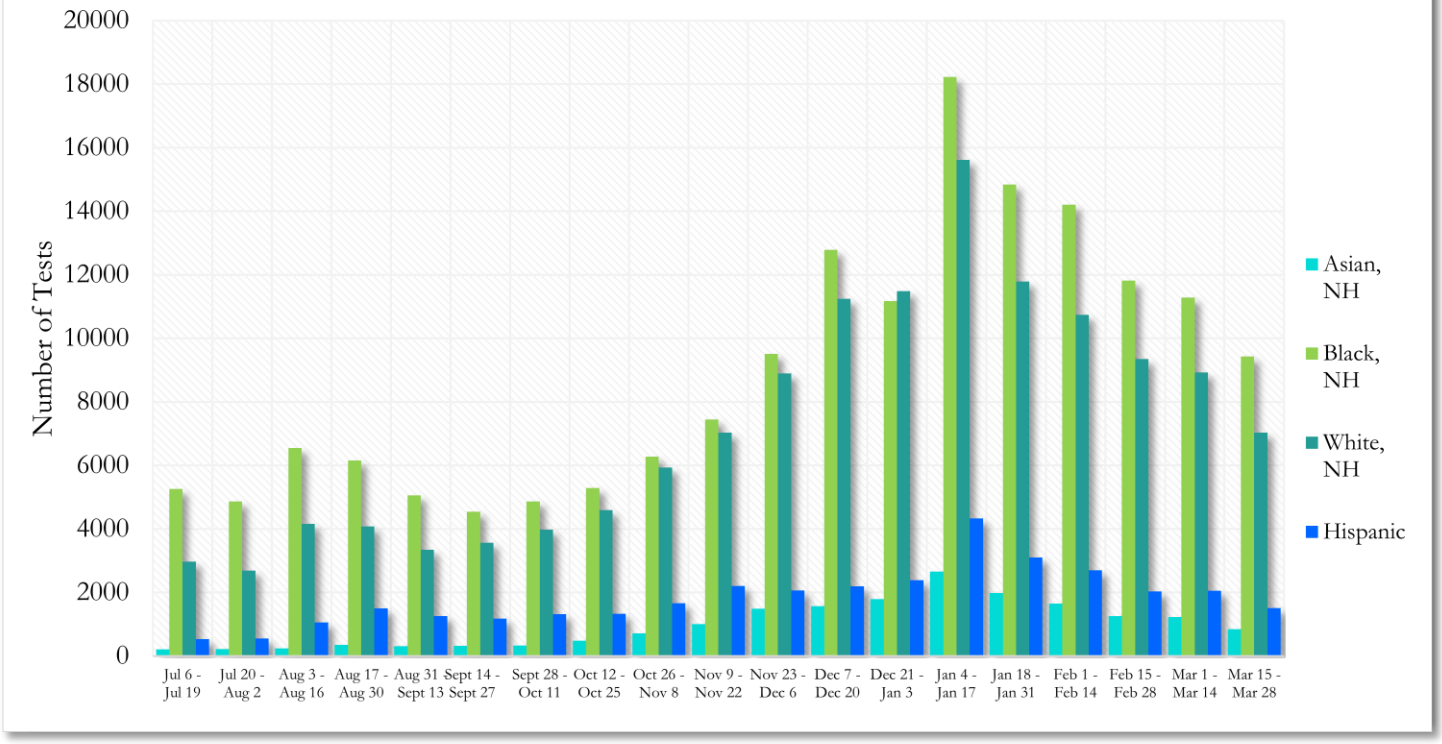
**Data on Polymerase Chain Reaction (PCR) tests only included.*

Fig. 25. Percent Positive COVID-19 Tests by Age Group in Fulton County by 14-day Periods



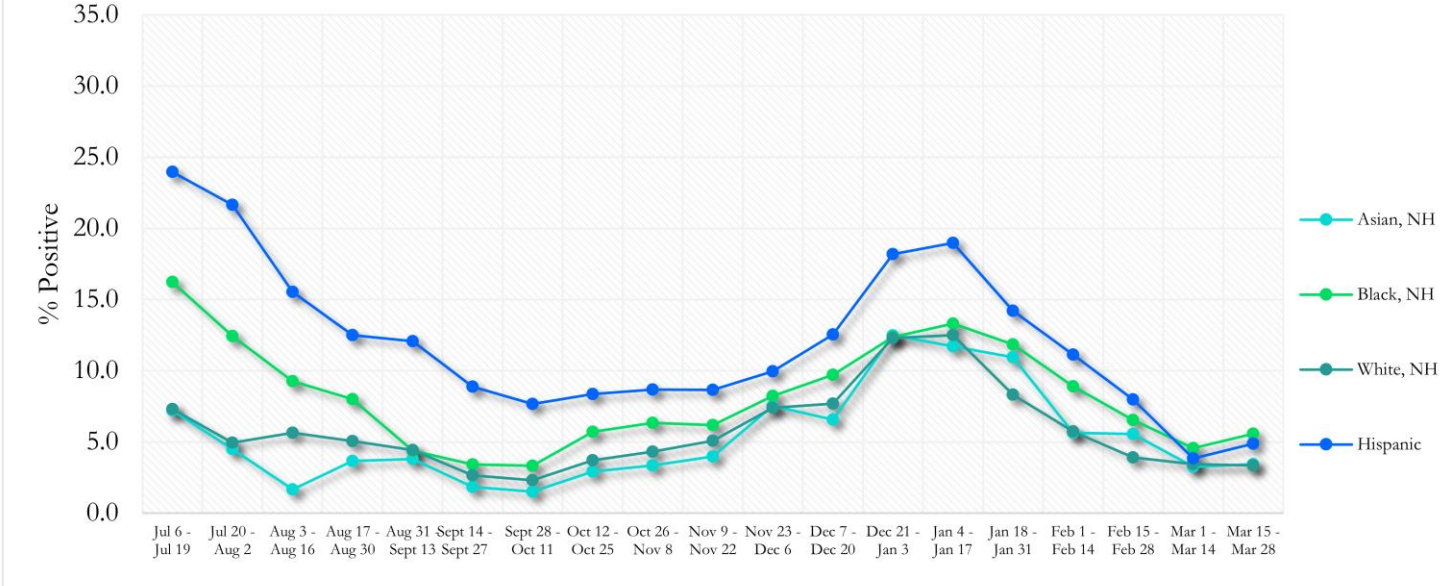
**Data on Polymerase Chain Reaction (PCR) tests only included.*

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



**Data on Polymerase Chain Reaction (PCR) tests only included. For the recent two weeks, 51% of test results did not have race/ethnicity information.*

Fig. 27. Percent Positive COVID-19 Tests by Race and Ethnicity in Fulton County by 14-day Periods

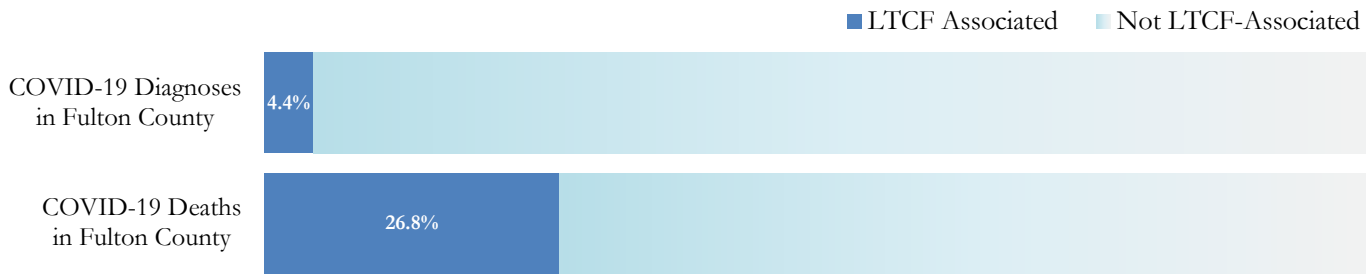


**Data on Polymerase Chain Reaction (PCR) tests only included.*

COVID-19 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

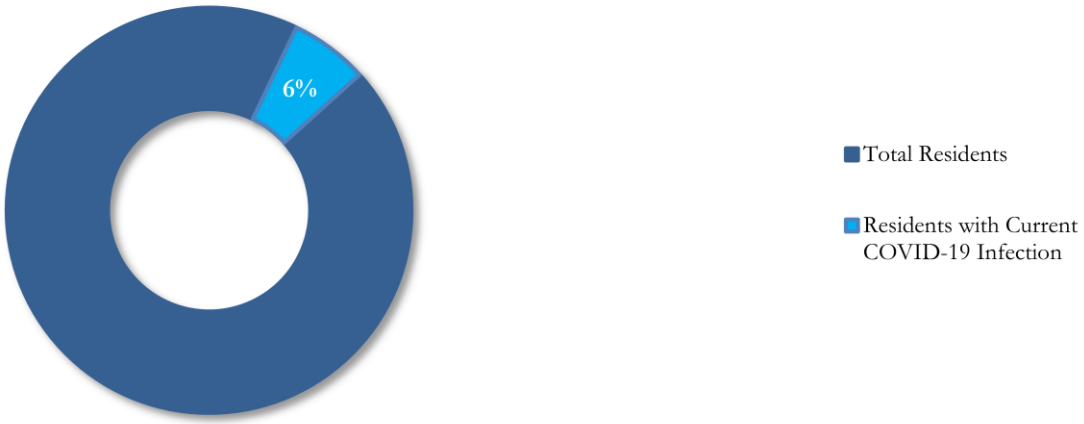
Fig. 28. Cumulative COVID-19 Diagnoses and Deaths in Fulton County Associated with Long-Term Care Facilities



****LTCF → Long-term Care Facility (Incudes residents and Staff)****

CURRENT COVID-19 POSITIVITY:

Fig. 29. Percentage of LTCF Residents with Current COVID-19 Infection



**This data comes from facilities self-reporting to DPH and is thus subject to change as more facilities report or provide updated counts. Current total resident count = 4,221*