FULTON COUNTY BOARD OF HEALTH

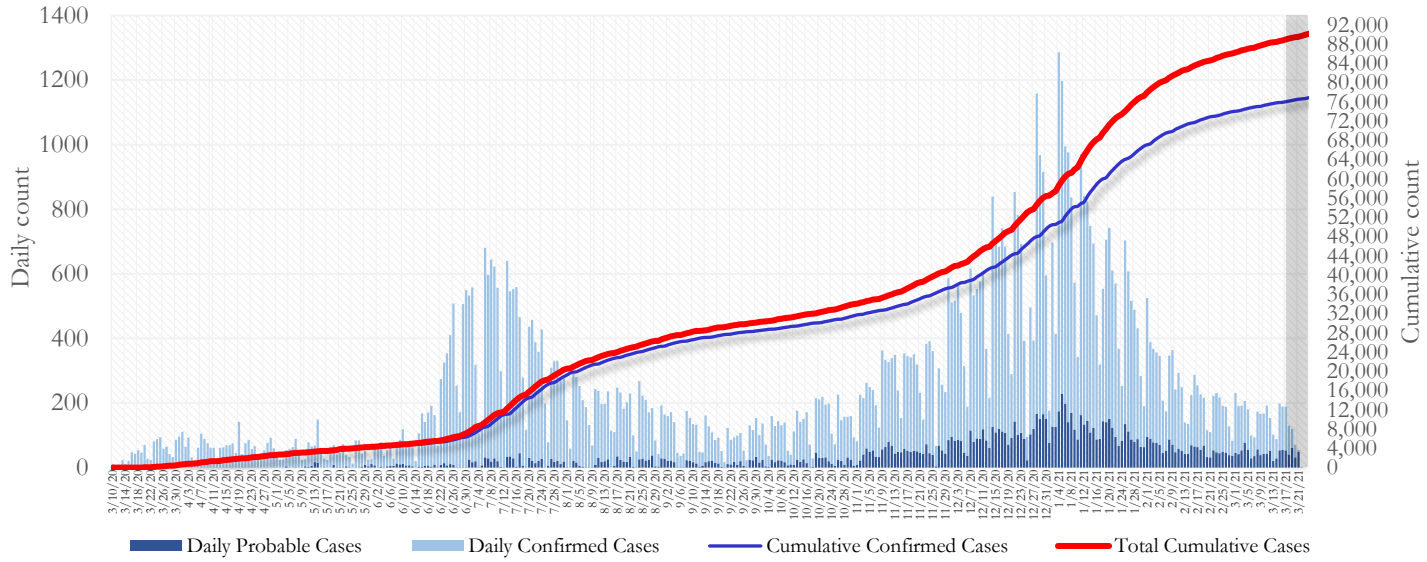
Fulton County Board of Health Epidemiology Report

COVID-19 Cases – 3/23/2021

SUMMARY

- As of March 23, 2021, Fulton County has recorded **77,317 confirmed cases** and **13,199 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 March 23, 2021, Fulton County has recorded **1,153 confirmed COVID-19 deaths.** 129 deaths are currently under review by GA DPH to confirm cause of death.
- By city, new confirmed COVID-19 case rates range from 69.8 per 100,000 persons (Chattahoochee Hills) to 228.7 per 100,000 persons (Palmetto). **[Fulton County Diagnoses Rates (per 100,000 persons): Cumulative – 6981.6; Incidence –154.3**]. See map showing incident case rate by ZIP code on Pg.12.
- Among all confirmed cases of COVID-19 in Fulton County **since August 1, 4.1% required hospitalization and 1.2% died.**
- Of all PCR testing done in Fulton County between March 1 and March 14, **the percent positivity rate was 4.4%.**

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



*Counts shown reflect the number of cases as of 11:00 pm on 3/22/21 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: 44% of the new COVID-19 cases in the past 2 weeks occurred in Atlanta while 33% and 19% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative count	% New cases*
Atlanta	42.5%	43.5%
North[1]	34.2%	32.7%
South[2]	19.6%	19.3%
Unincorporated/Unknown	3.7%	4.5%

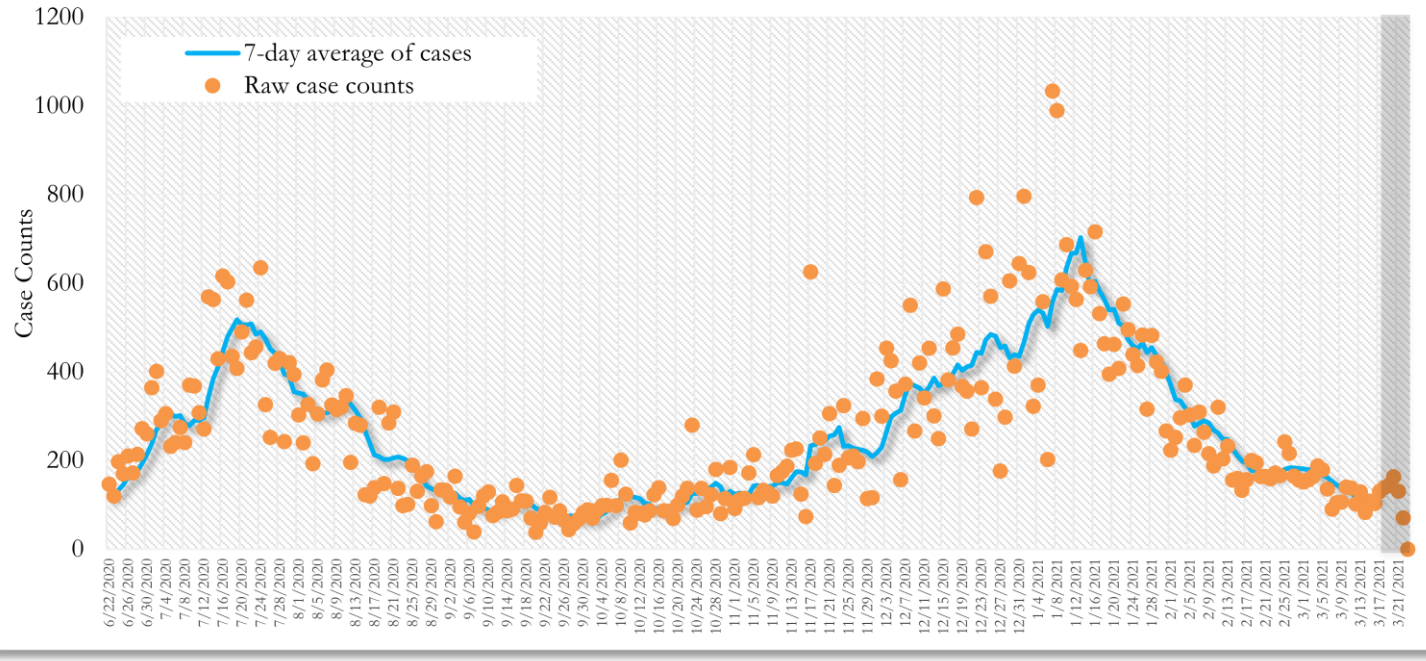
*[1]Includes all Fulton County cities north of Atlanta (Alpharetta, Johns Creek, Milton, Mountain Park, Roswell, Sandy Springs,) | [2]Includes all cities south of Atlanta (Chattahoochee Hills, College Park, East Point, Fairburn, Hapeville, Palmetto, South Fulton, and Union City) *New cases: Cases diagnosed in the past 2 weeks only (between 3/3/21 – 3/16/21).*

In the recent two week reporting period (3/3-3/16), there were fewer new cases of COVID-19 in Fulton County than the previous two weeks (2/17-3/2).

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

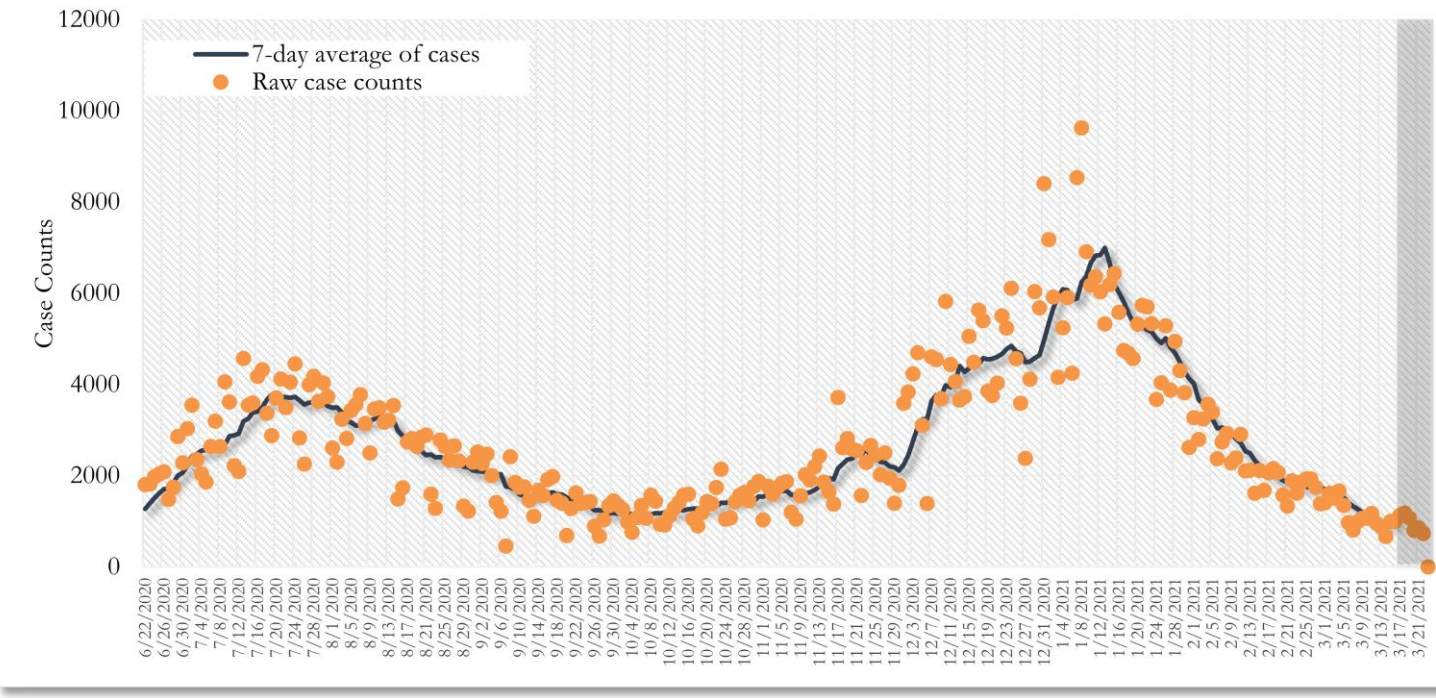
TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)

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



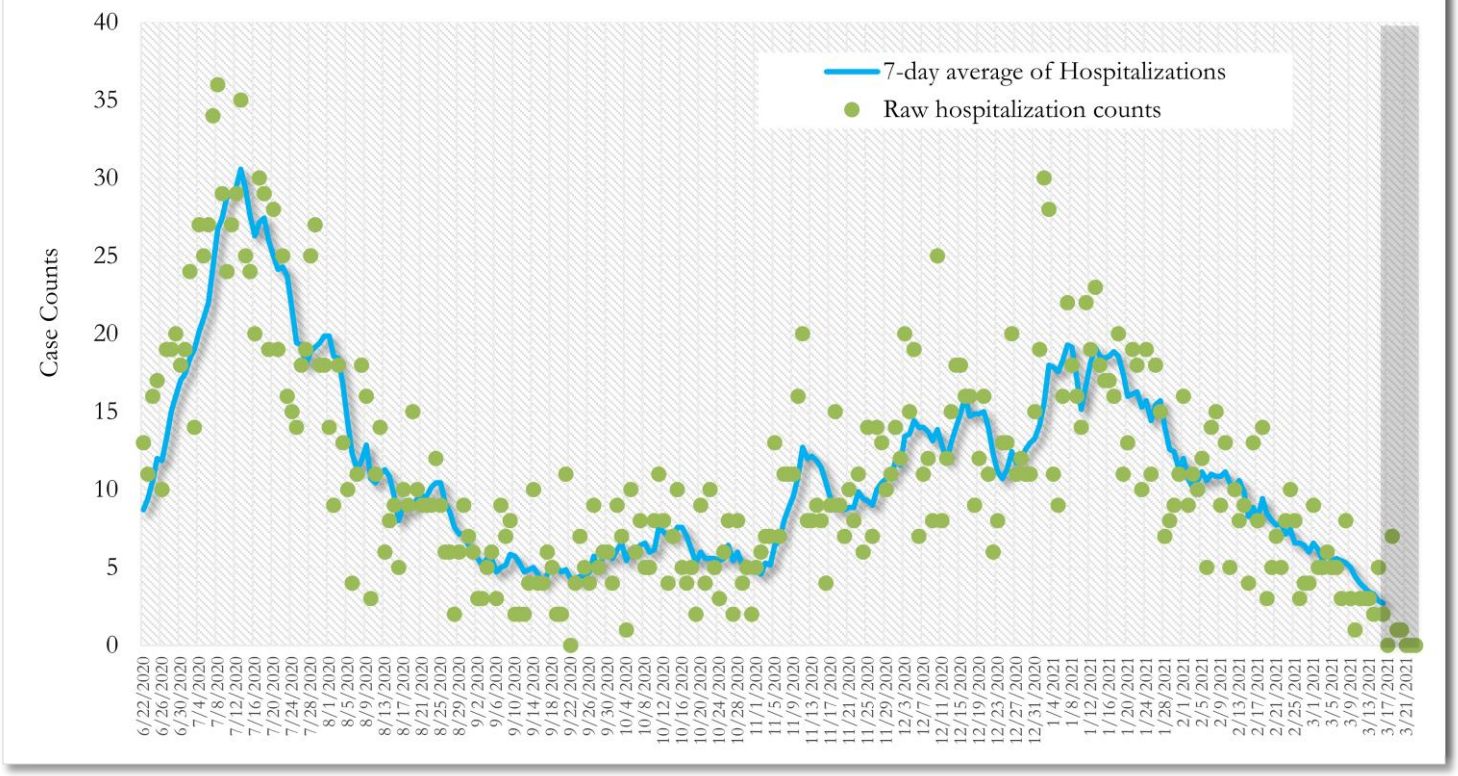
**Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject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



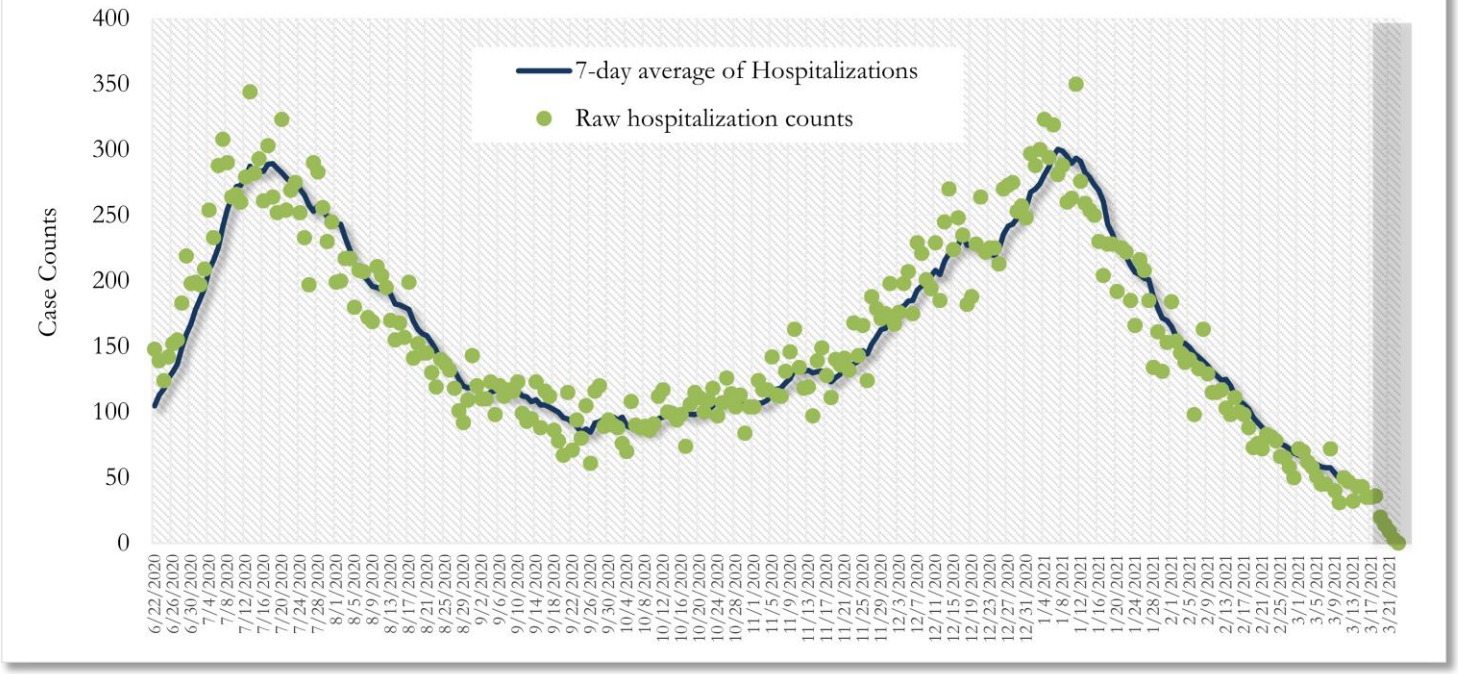
**Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject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



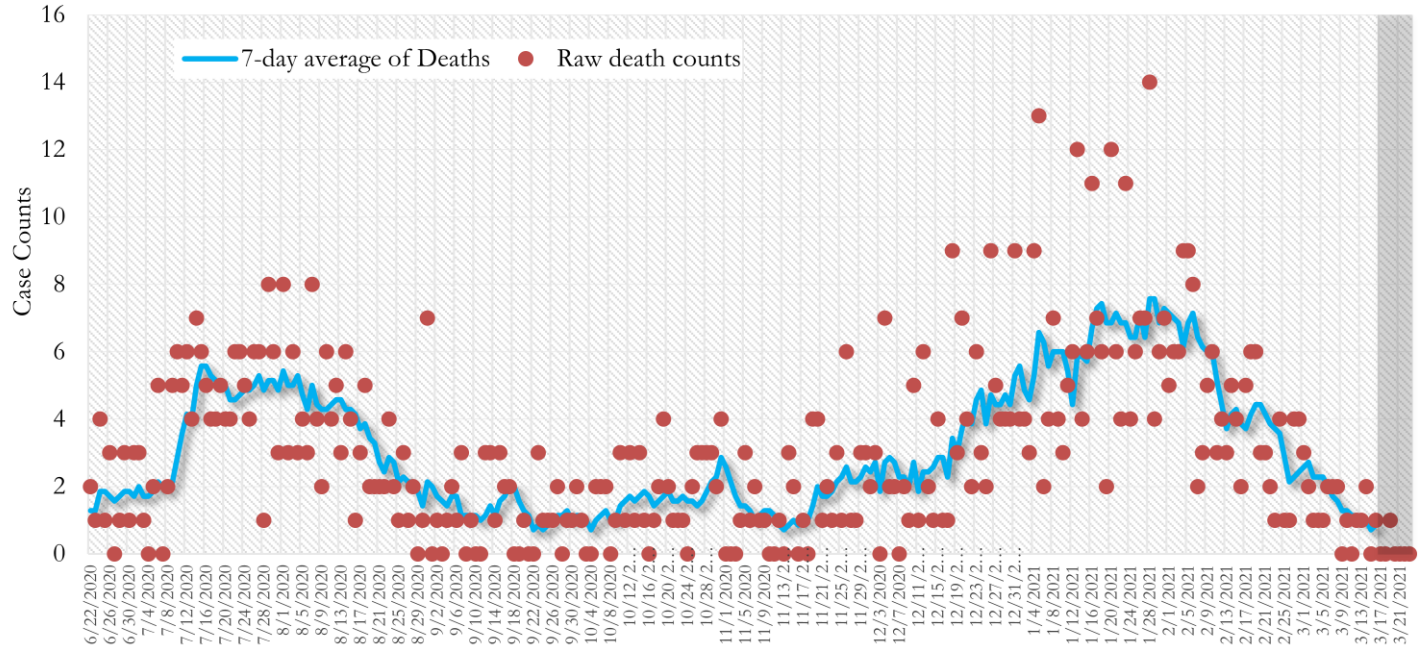
**Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the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

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



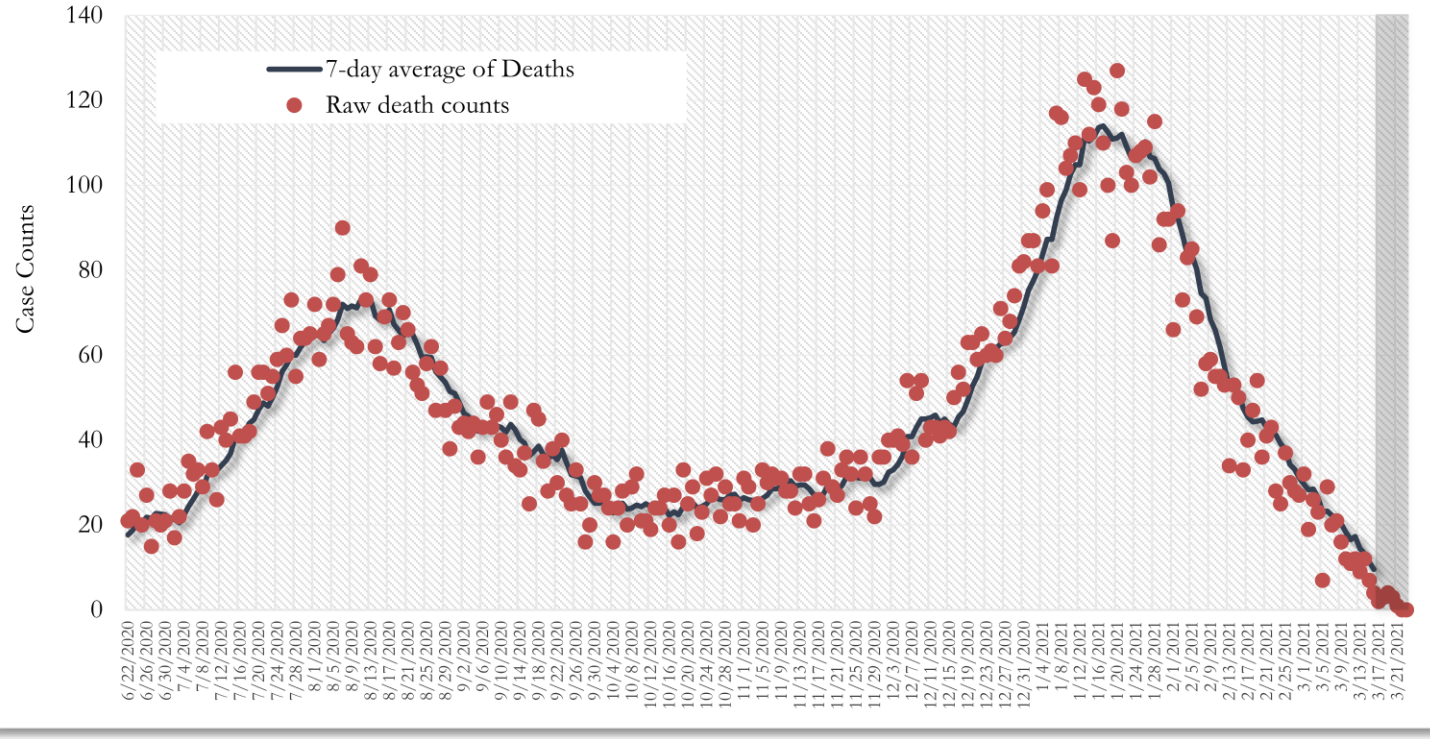
**Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the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

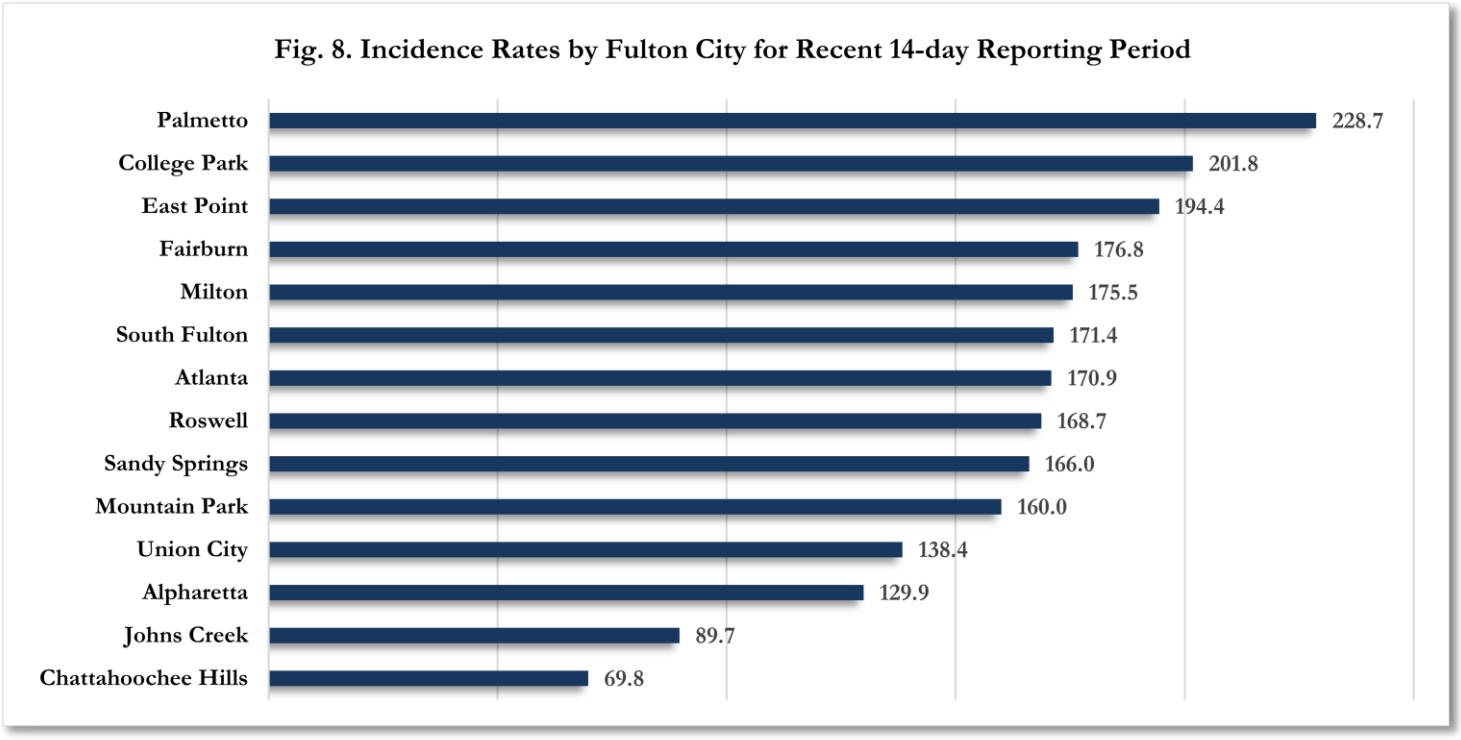


**Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.*

COVID-19 CASE COUNTS AND RATES BY CITY

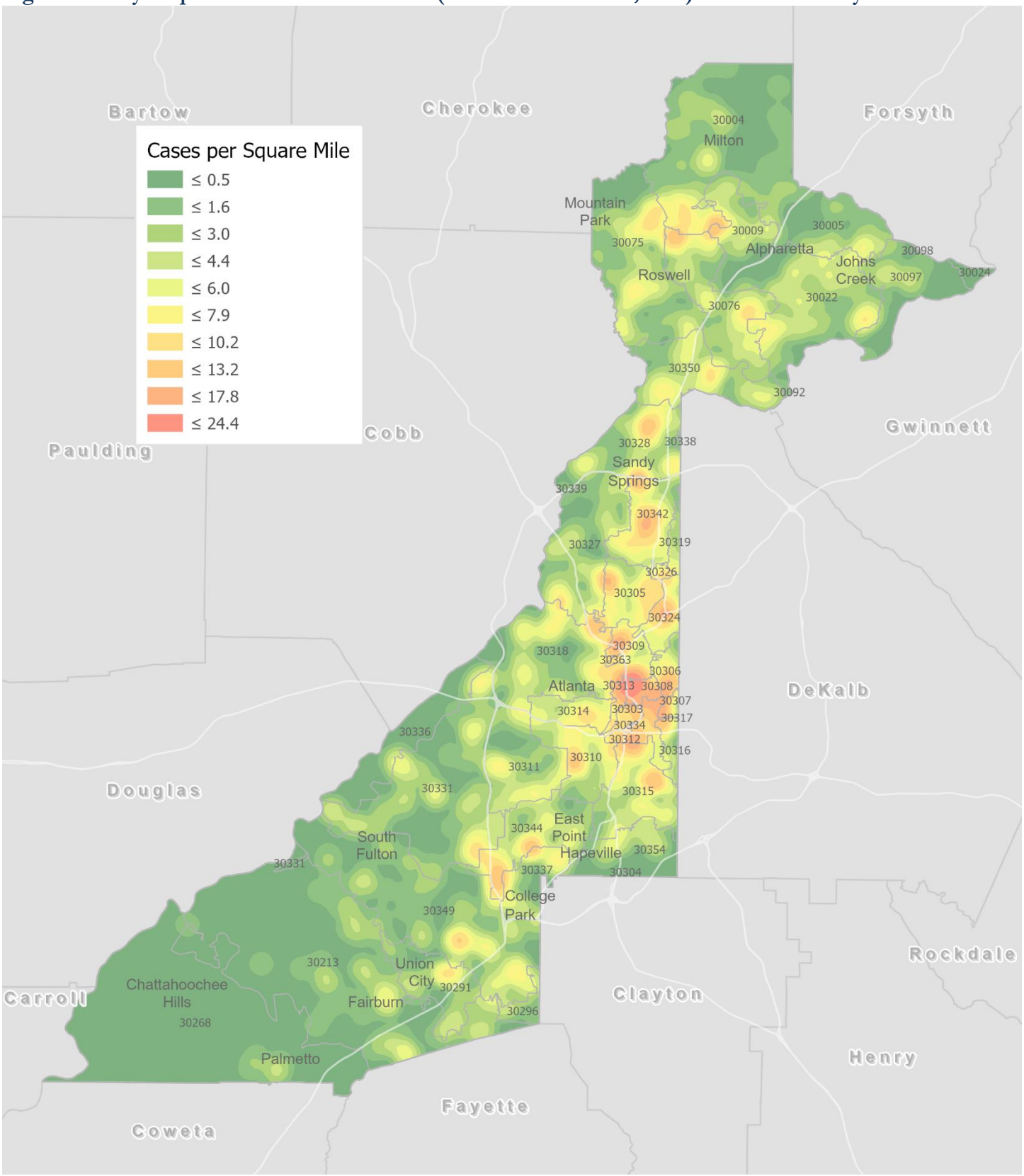
	Recent 14-day reporting period[1]	Preceding 14-day reporting period	% Change from preceding 14 days (%)[2]	Incidence Rate[3]
	3/3-3/16	*2/17-3/2*		
Alpharetta	84	147	↓ 42.9%	129.9
Atlanta	754	892	↓ 15.5%	170.9
Chattahoochee Hills	<10	<10	-	69.8
College Park	28	35	↓ 20.0%	201.8
East Point	68	66	↑ 3.0%	194.4
Fairburn	26	23	↑ 13.0%	176.8
Hapeville	<10	<10	-	60.8
Johns Creek	75	104	↓ 27.9%	89.7
Milton	67	80	↓ 16.3%	175.5
Mountain Park	<10	<10	-	160.0
Palmetto	10	13	↓ 23.1%	228.7
Roswell	159	125	↑ 27.2%	168.7
Sandy Springs	175	189	↓ 7.4%	166.0
South Fulton	163	227	↓ 28.2%	171.4
Union City	29	49	↓ 40.8%	138.4
Unknown	56	52	-	-

*[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**.*



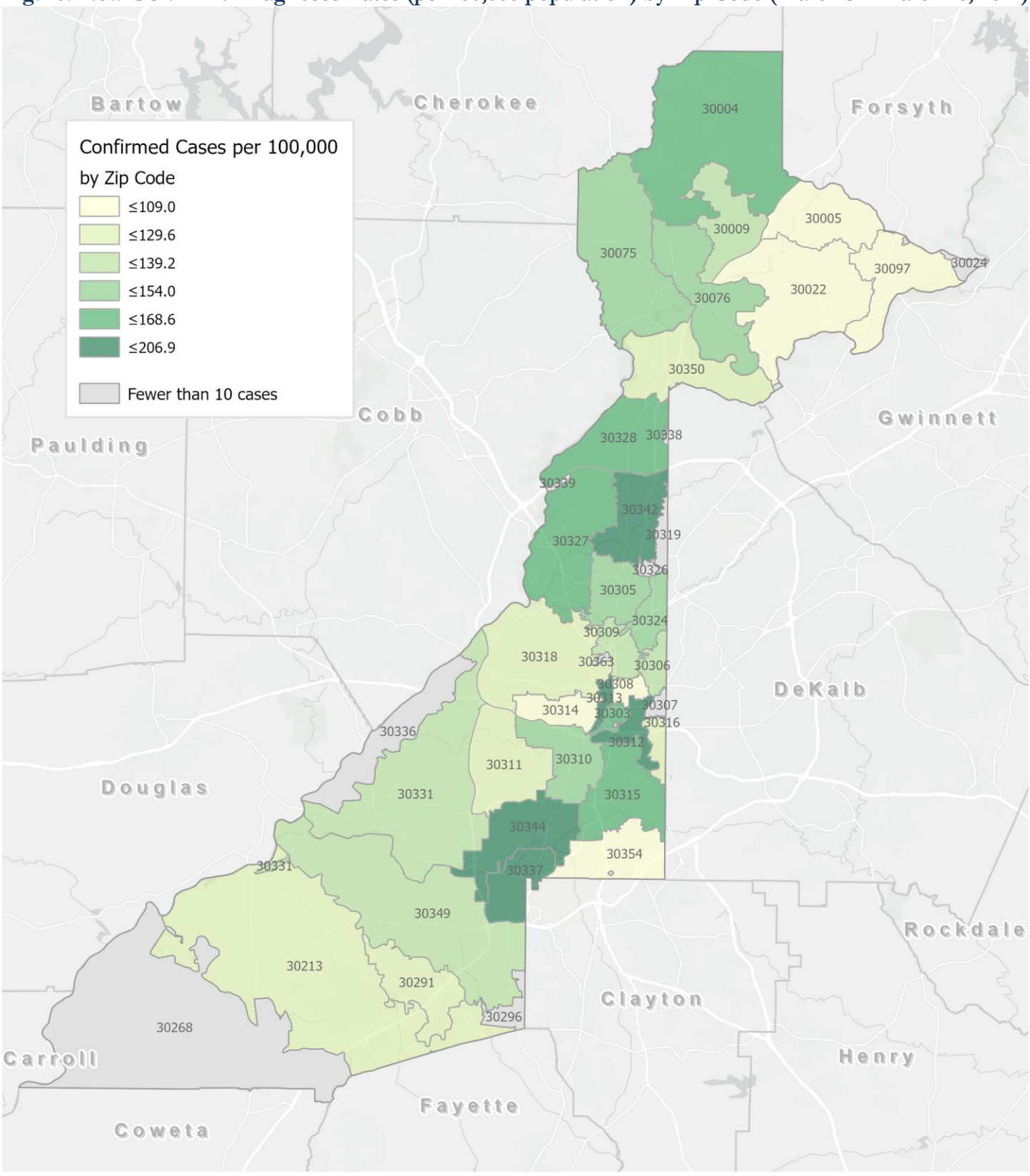
**Rates shown are per 100,000 persons | All data shown are preliminary and are subject to change as testing results get updated.*

Fig. 9. Density Map – New COVID-19 Cases (March 3 – March 16, 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 3rd and Mar 16th, 2021 across Fulton County, excluding LTCF cases.*

Fig. 10. New COVID-19 Diagnoses Rates (per 100,000 population) by Zip Code (March 3 – March 16, 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

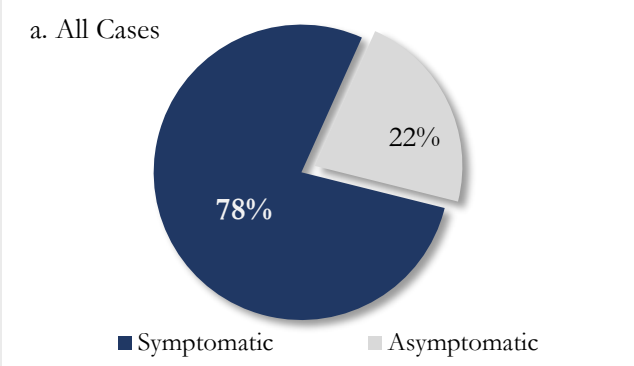
Zip Code	Recent 14-day reporting period *(3/3 – 3/16)*	Previous 14-day reporting period *(2/17– 3/2)*	% Change between reporting periods[2]
All Fulton	**1702**	**2020**	**↓ 15.7%**
30004	96	110	↓ 12.7%
30005	34	62	↓ 45.2%
30009	28	48	↓ 41.7%
30022	72	108	↓ 33.3%
30023	0	0	-
30024	0	<10	↓ 100.0%
30075	77	63	↑ 22.2%
30076	81	51	↑ 58.8%
30080	0	0	-
30097	15	24	↓ 37.5%
30098	0	0	-
30135	0	0	-
30138	0	0	-
30139	0	0	-
30213	58	79	↓ 26.6%
30268	12	17	↓ 29.4%
30291	30	49	↓ 38.8%
30296	<10	<10	-
30301	<10	<10	-
30303	12	11	↑ 9.1%
30305	53	46	↑ 15.2%
30306	25	19	↑ 31.6%
30307	<10	11	↓ 18.2%
30308	28	43	↓ 34.9%
30309	47	75	↓ 37.3%
30310	45	72	↓ 37.5%
30311	44	70	↓ 37.1%
30312	50	47	↑ 6.4%
30313	27	25	↑ 8.0%
30314	26	46	↓ 43.5%
30315	89	66	↑ 34.8%
30316	18	20	↓ 10.0%
30318	93	141	↓ 34.0%
30319	14	<10	↑ 133.3%
30321	<10	0	-
30324	41	36	↑ 13.9%
30326	<10	12	↓ 33.3%
30327	48	44	↑ 9.1%
30328	64	58	↑ 10.3%
30331	89	103	↓ 13.6%
30334	0	<10	↓ 100.0%
30336	<10	<10	-
30337	24	30	↓ 20.0%
30338	<10	<10	-
30339	<10	<10	-
30340	0	0	-
30341	0	0	-
30342	75	81	↓ 7.4%
30344	65	59	↑ 10.2%
30345	0	0	-
30349	95	145	↓ 34.5%
30350	54	70	↓ 22.9%
30354	14	27	↓ 48.1%
30358	0	0	-
30363	<10	<10	-
30374	0	0	-
30606	0	0	-
31131	0	0	-
31150	0	0	-
Unknown	22	17	-

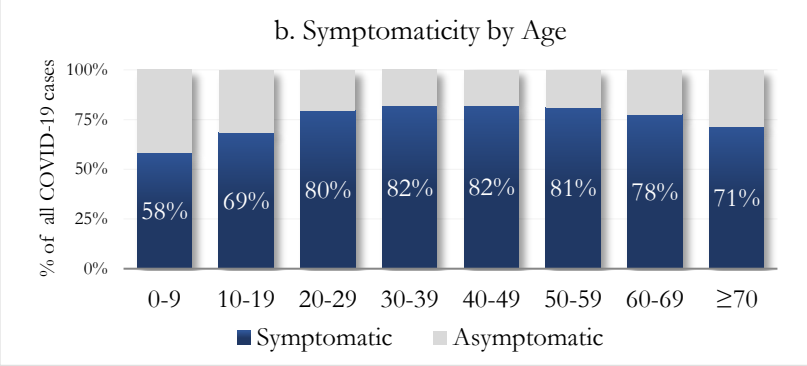
*[1]**New cases:** Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. [2]**Percent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

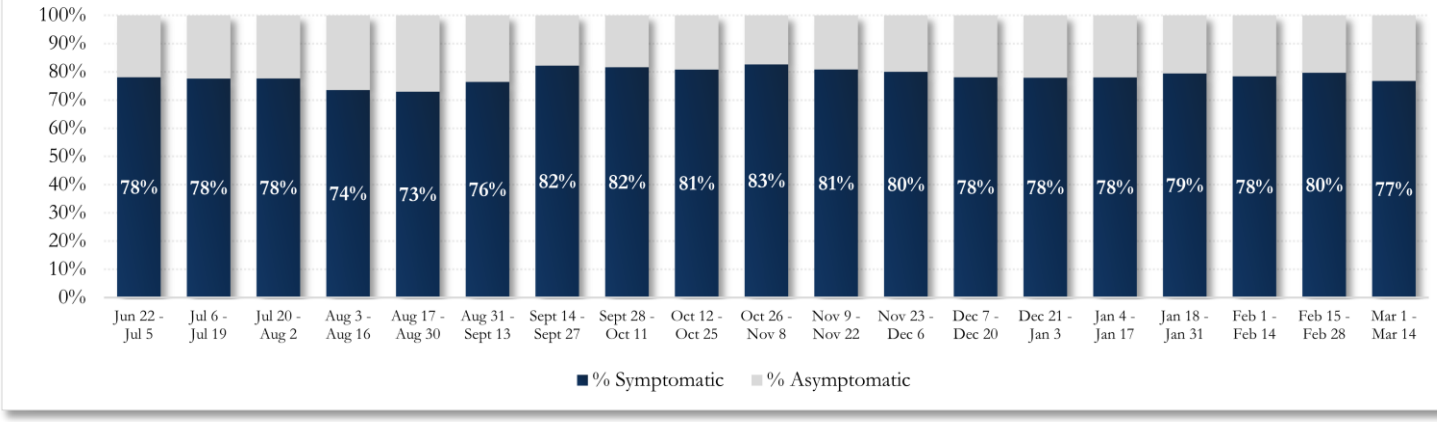
Fig. 11a & b. Total Proportion Reporting Symptoms in Fulton





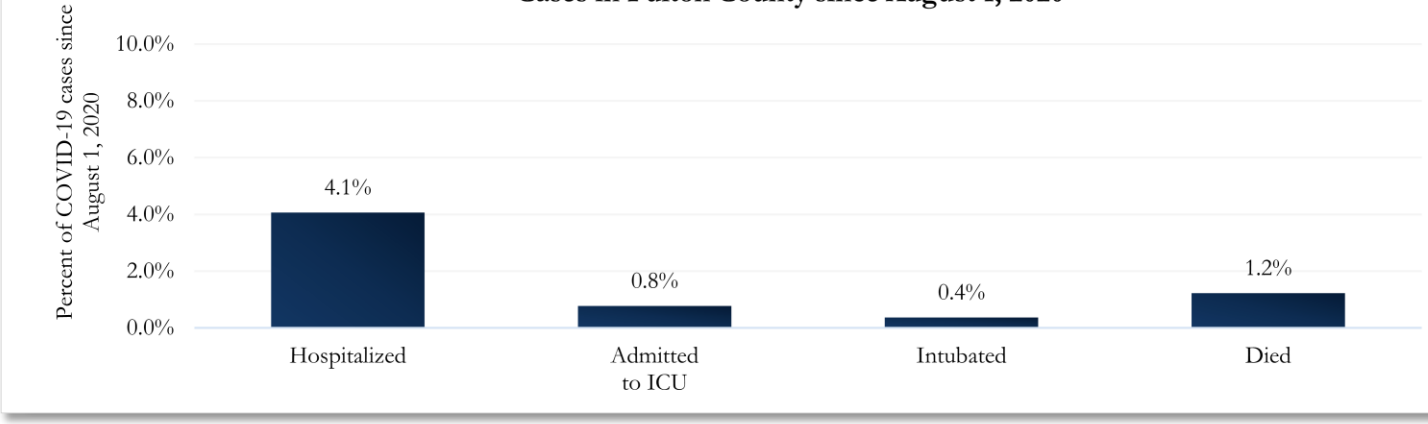
****COVID-19 cases who have been case interviewed or had medical charts reviewed as of 3/23/21 only. n = 45,925****

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 August 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 (2/17- 3/16)

		North Fulton Cities[1] Count (%)	Atlanta Count (%)	South Fulton Cities[2] Count (%)	Unknown City Count (%)	All Fulton Count (%)
Total COVID-19 cases		**1119**	**1542**	**713**	**126**	**3500**
Gender:	Female	573 (51%)	776 (50%)	393 (55%)	67 (53%)	1809 (52%)
	Male	544 (49%)	752 (49%)	316 (44%)	54 (43%)	1666 (48%)
	Unknown*	<10	14 (1%)	<10	<10	25 (1%)
Age:	0-9	56 (5%)	72 (5%)	46 (6%)	<10	182 (5%)
	10-19	263 (24%)	167 (11%)	87 (12%)	<10	526 (15%)
	20-29	156 (14%)	376 (24%)	108 (15%)	28 (22%)	668 (19%)
	30-39	174 (16%)	319 (21%)	132 (19%)	22 (17%)	647 (18%)
	40-49	202 (18%)	204 (13%)	117 (16%)	16 (13%)	539 (15%)
	50-59	149 (13%)	184 (12%)	123 (17%)	18 (14%)	474 (14%)
	60-69	75 (7%)	108 (7%)	62 (9%)	14 (11%)	259 (7%)
	≥70	44 (4%)	109 (7%)	36 (5%)	10 (8%)	199 (6%)
	Unknown*	<10	<10	<10	<10	<10
Race:	Asian, NH	94 (8%)	31 (2%)	<10	<10	135 (4%)
	Black, NH	150 (13%)	611 (40%)	519 (73%)	40 (32%)	1320 (38%)
	White, NH	494 (44%)	427 (28%)	35 (5%)	43 (34%)	999 (29%)
	Hispanic	129 (12%)	99 (6%)	49 (7%)	12 (10%)	289 (8%)
	Other, NH	70 (6%)	91 (6%)	21 (3%)	<10	191 (5%)
	Unknown*	182 (16%)	283 (18%)	83 (12%)	18 (14%)	566 (16%)

**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)*

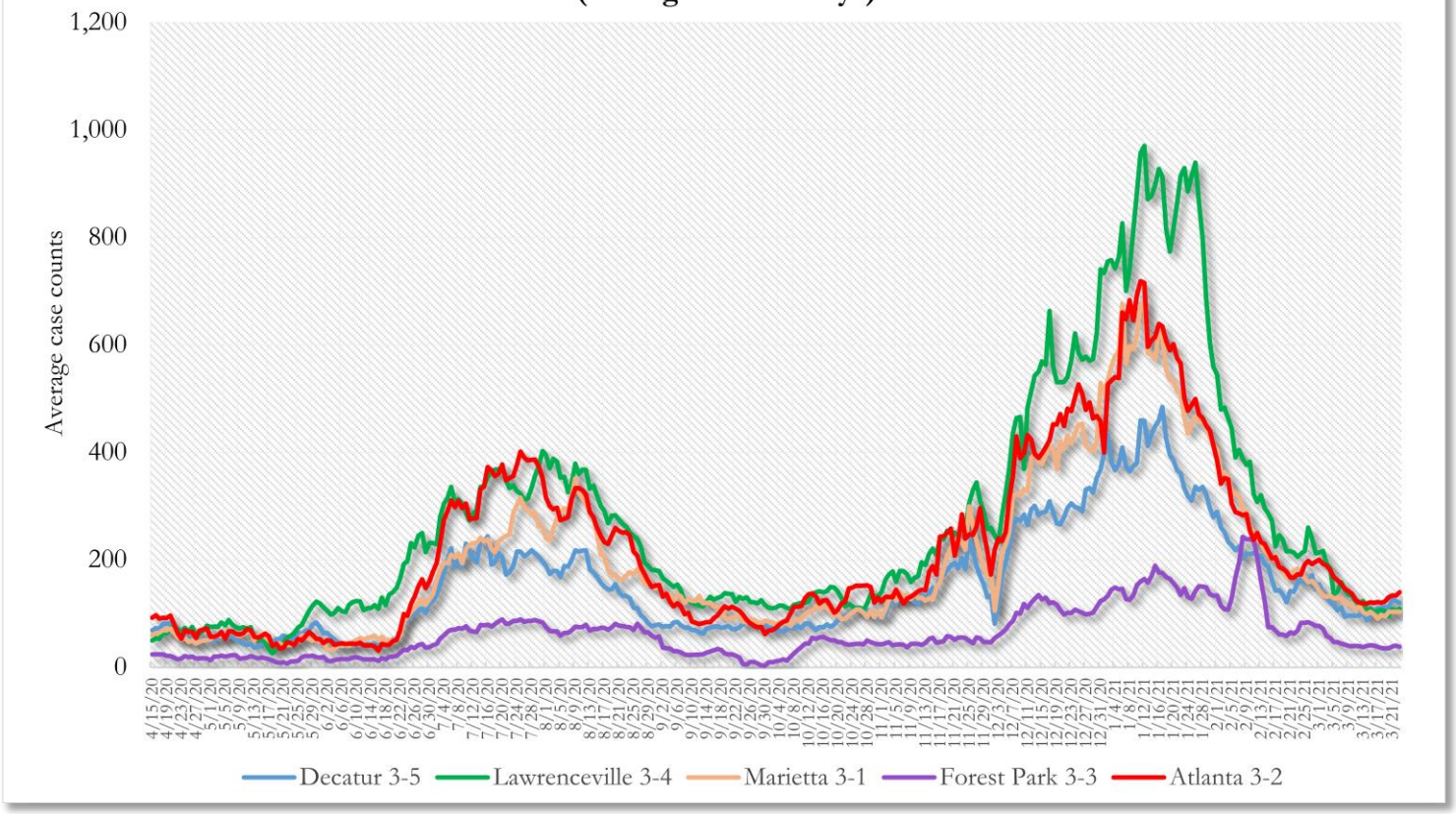
B. Distribution of COVID-19 deaths by gender, age, and race in Fulton County in the past 28 days (2/17 - 3/16)

	Count of New Deaths	% of New Deaths
Total COVID-19 deaths	**12**	100%

Note: Twelve deaths were reported in the past 28 day reporting period and cannot be broken down to demographic level (numbers under 10 are not presented). Death data often lags while cause of death is confirmed. See the cumulative report for total mortality distribution.

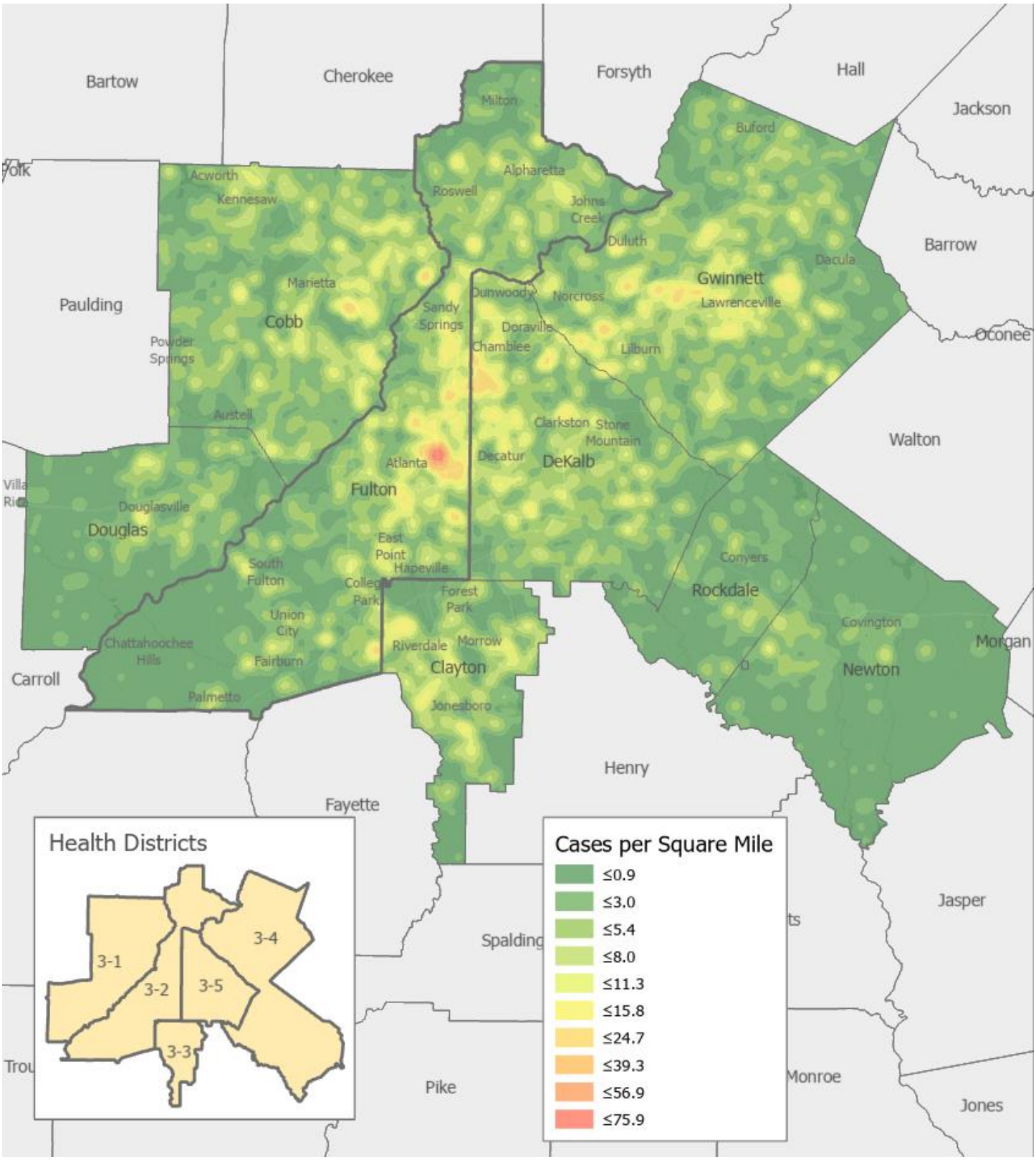
COVID-19 CASE TRENDS IN FULTON AND SURROUNDING DISTRICTS

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 3 – March 16, 2021)



The following data are updated every two weeks.

Last updated 3/16/2021

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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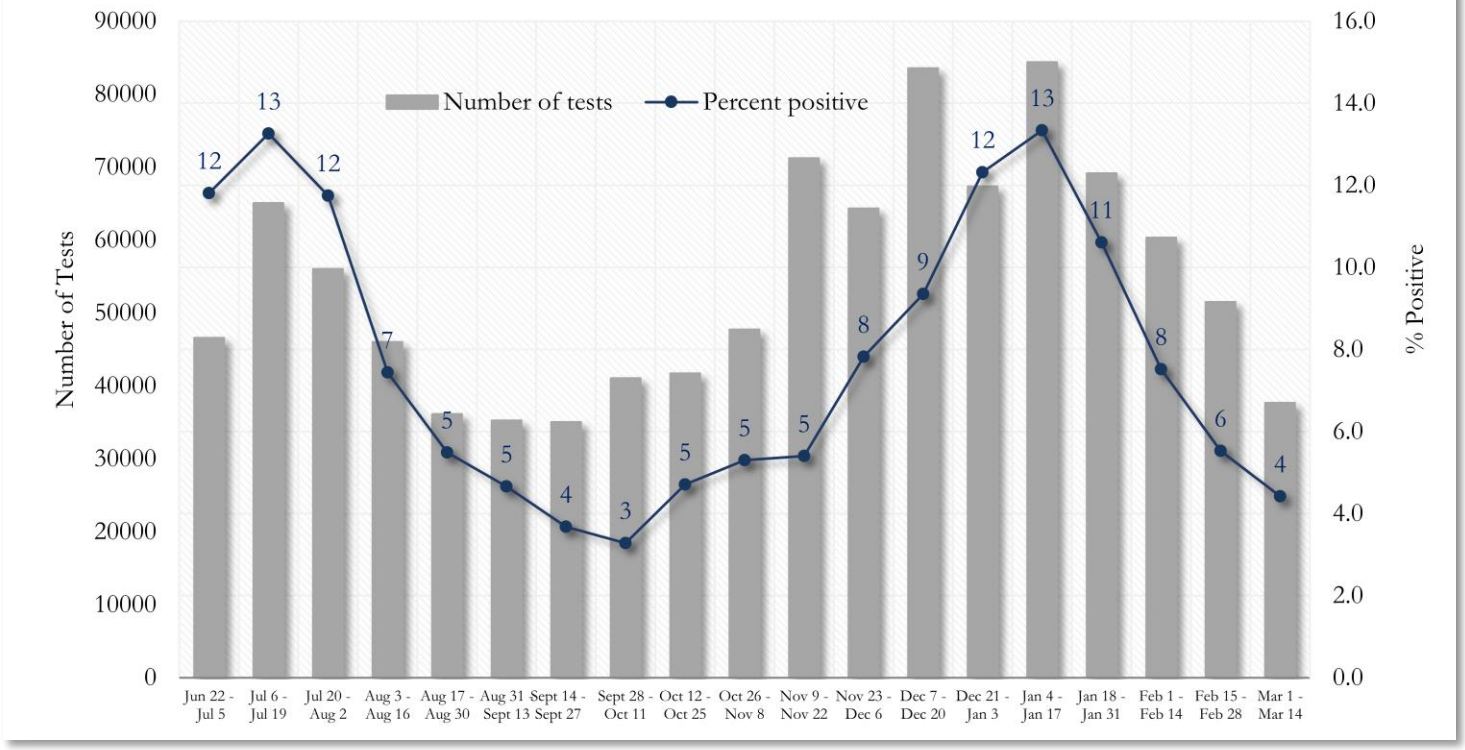
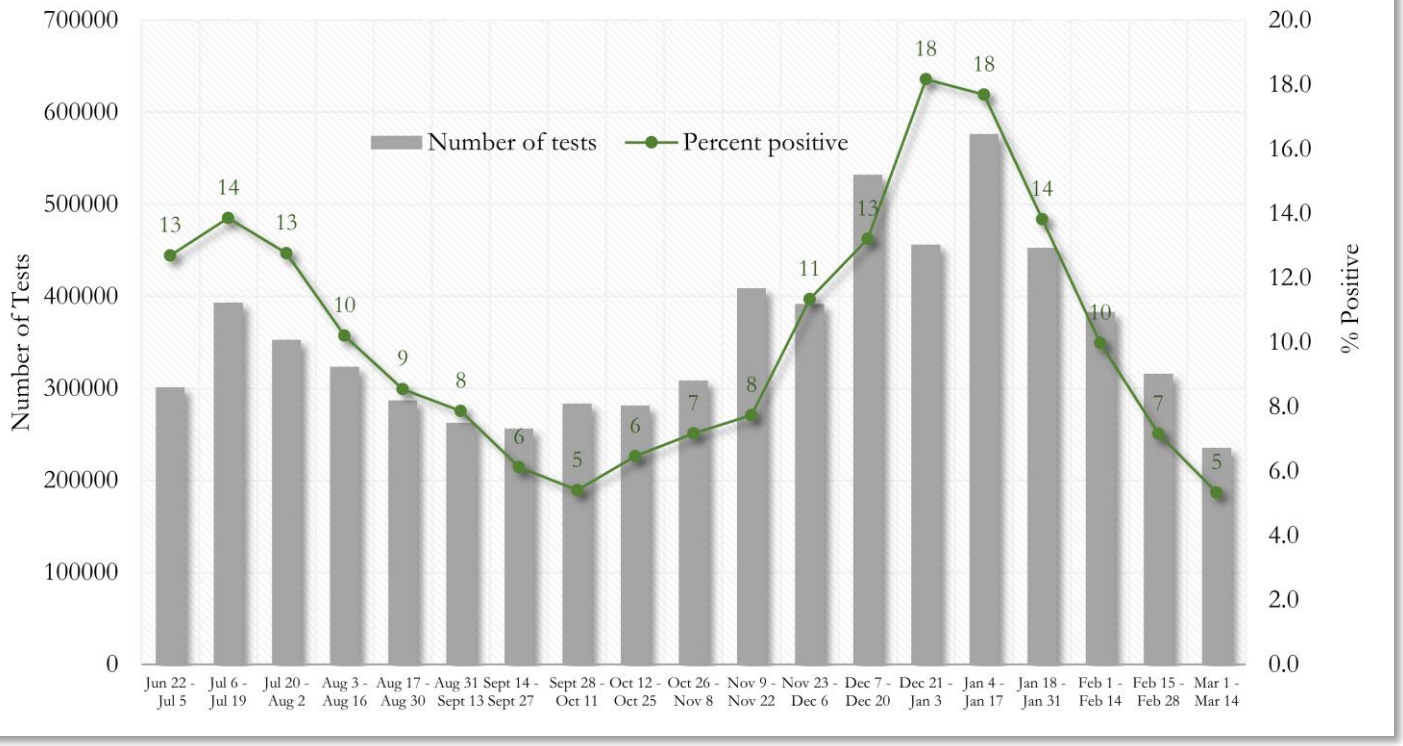
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY AND GEORGIA

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



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

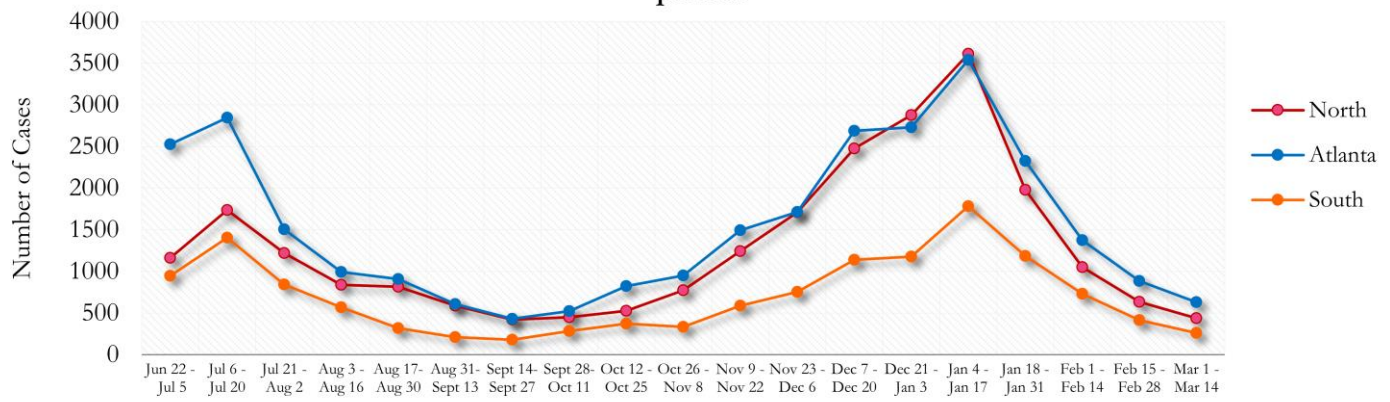
Fig. 17. Trends in Positive COVID-19 Tests in Georgia by 14-day Periods



**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

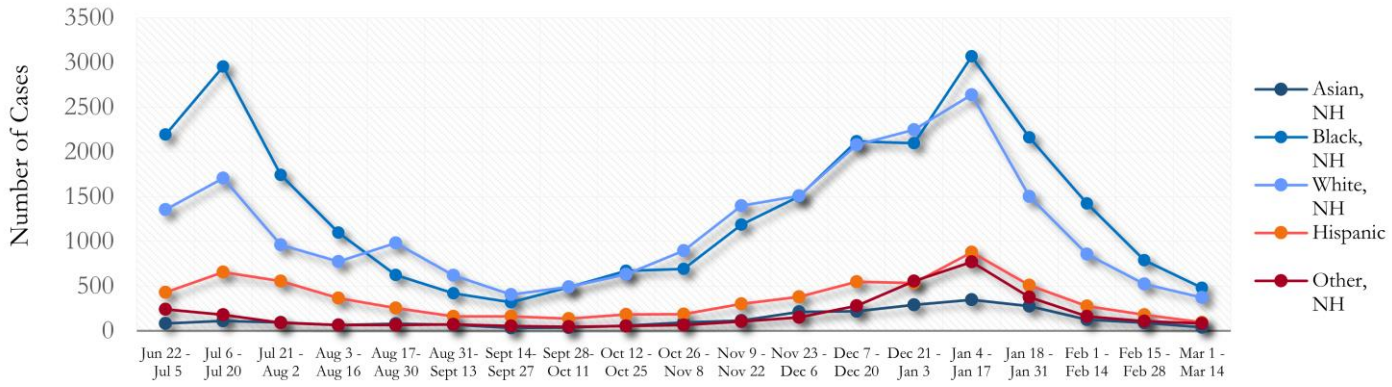
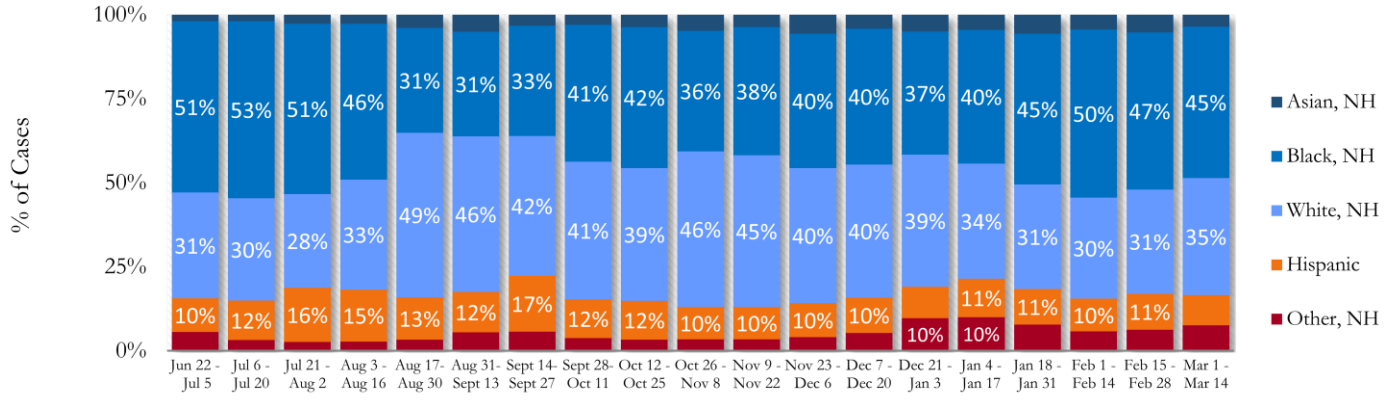


Fig. 20. Racial Distribution of COVID-19 Cases in Fulton County by 14-day periods



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

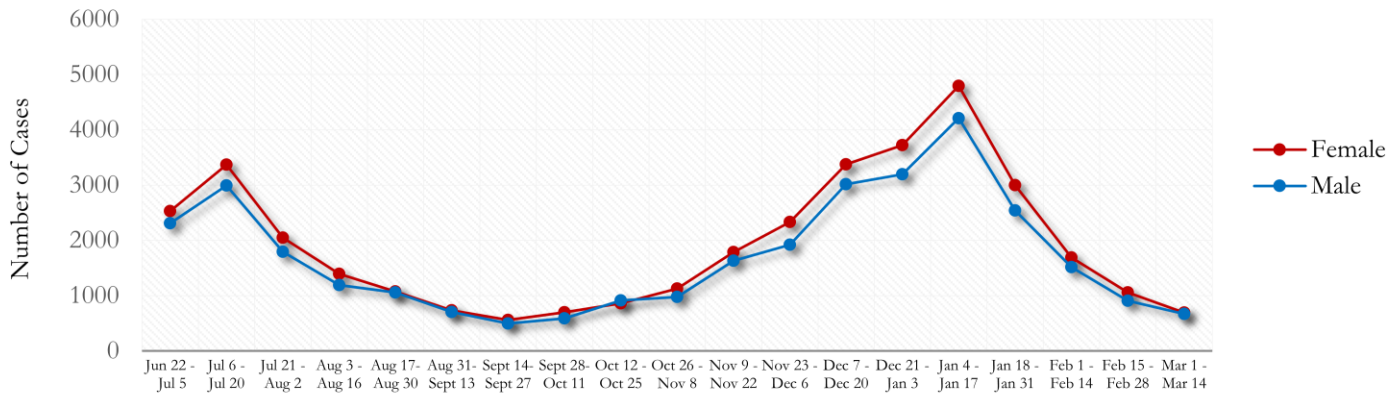
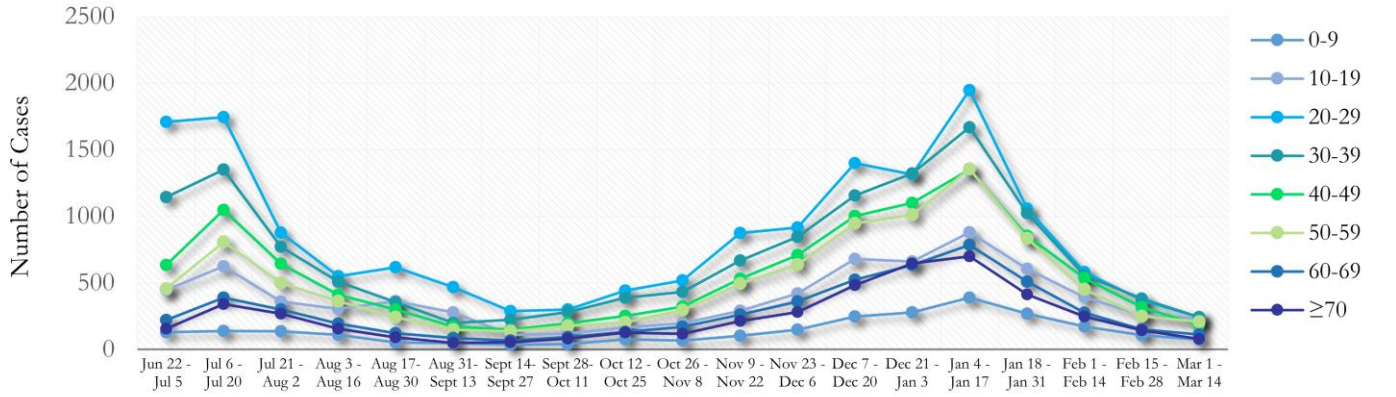
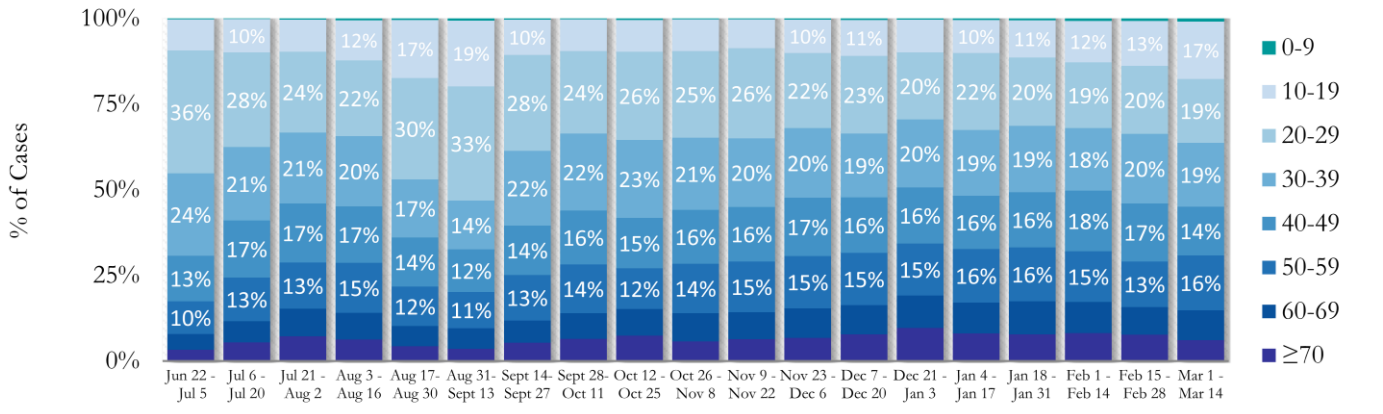


Fig. 22. Trends in Age Distribution of COVID-19 Cases in Fulton County by 14-day periods



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

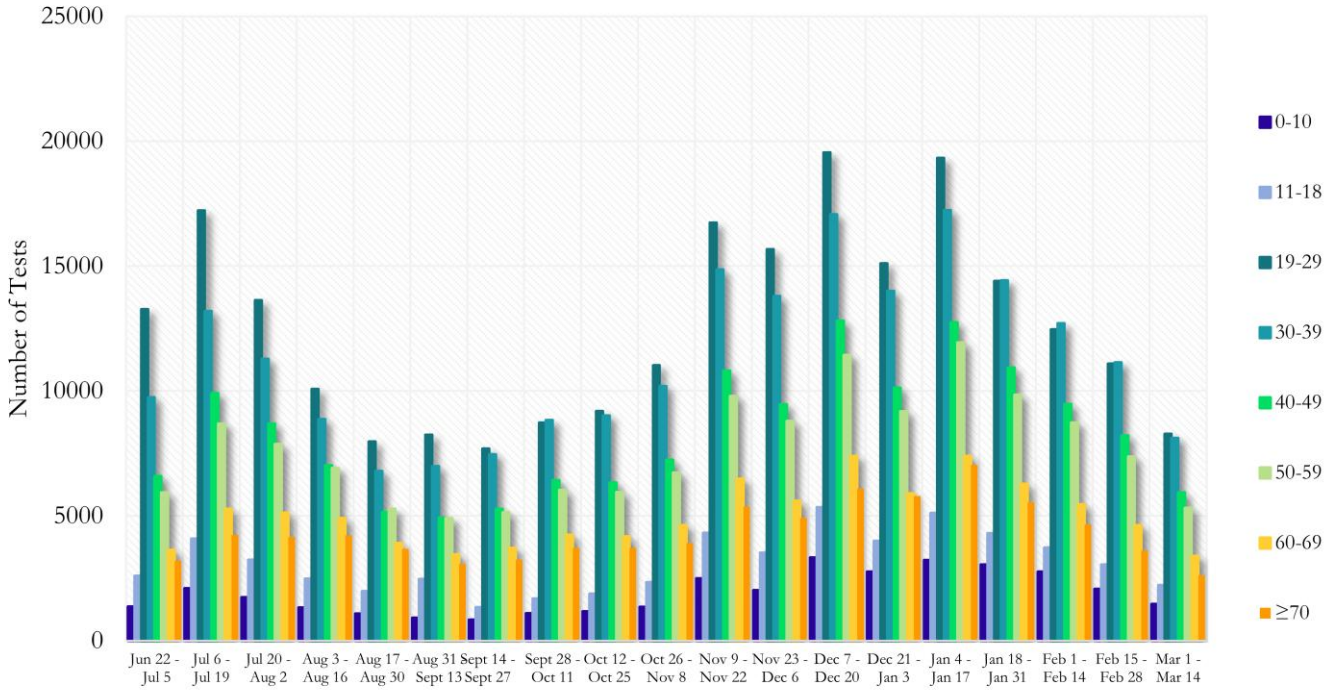
Fig. 23. Age Distribution of COVID-19 Cases in Fulton County by 14-day periods



Value labels under 10% are not shown.

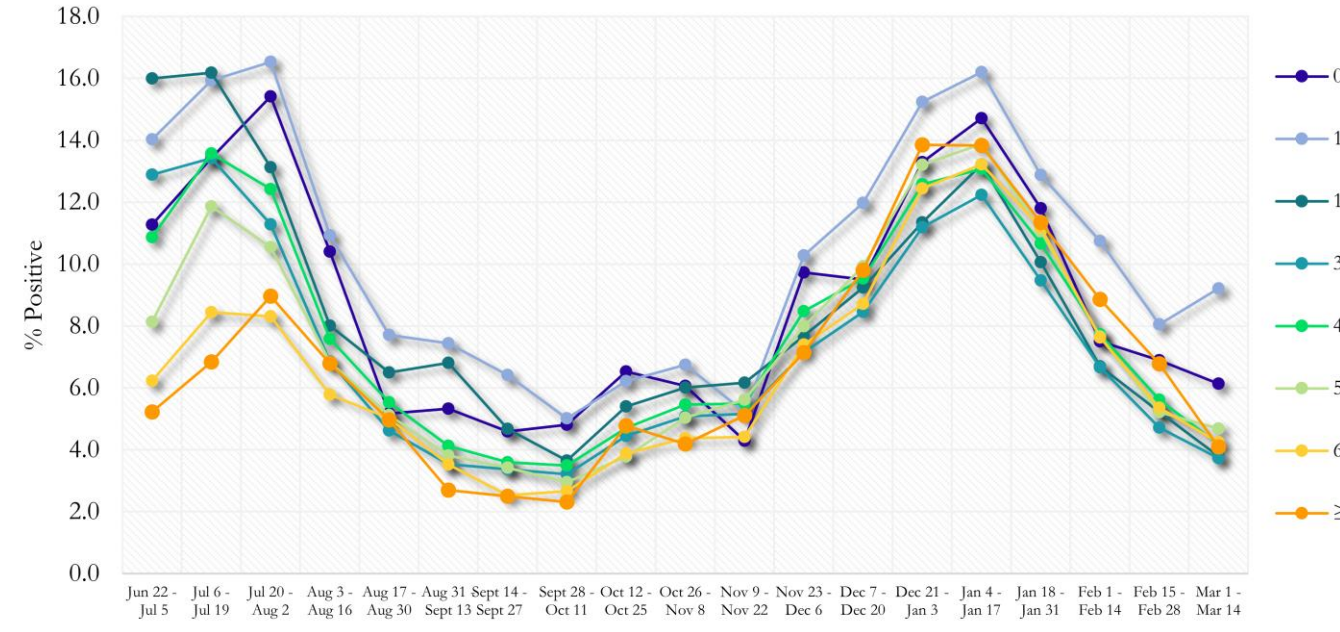
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY BY AGE AND RACE

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



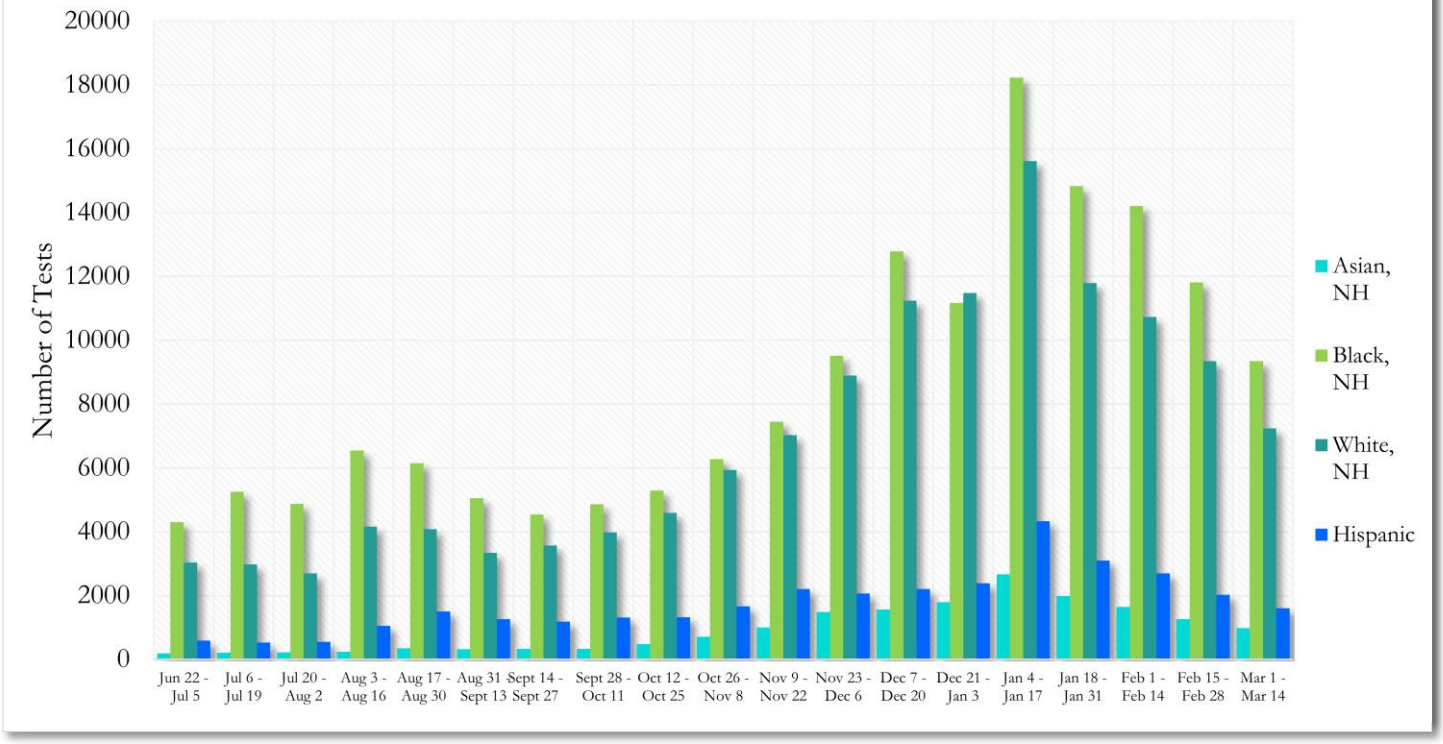
**Data on Polymerase Chain Reaction (PCR) tests only included.*

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



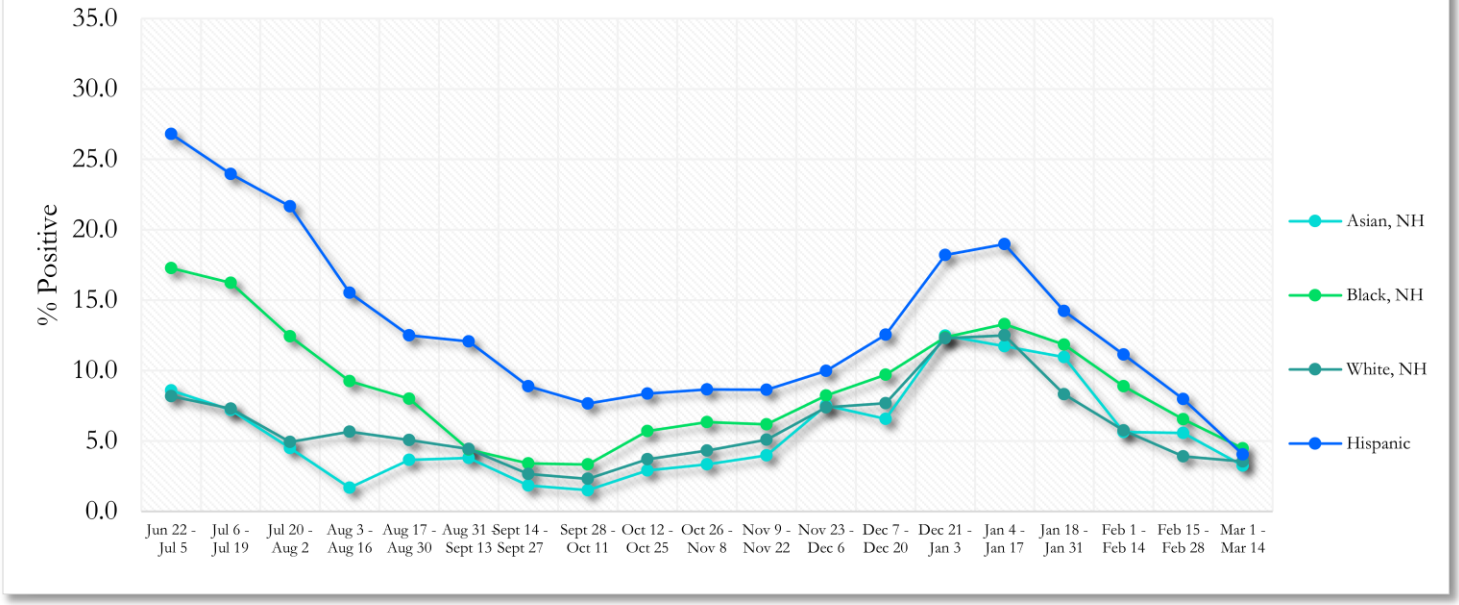
**Data on Polymerase Chain Reaction (PCR) tests only included.*

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

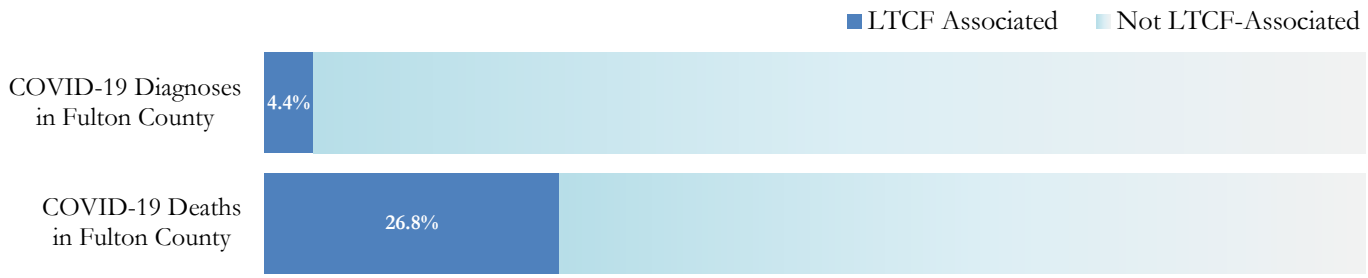


**Data on Polymerase Chain Reaction (PCR) tests only included.*

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 = 4,183*