Fulton County Board of Health Epidemiology Report
## COVID-19 Cases – 2/2/2022

SUMMARY

- As of February 2, 2022, Fulton County has recorded **177,458 confirmed cases** and **29,655 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 February 2, 2022, Fulton County has recorded **1,810 confirmed COVID-19 deaths.** 106 deaths are currently under review by GA DPH to confirm cause of death.
- By city, new confirmed COVID-19 case rates range from 171.5 per 100,000 persons (Mountain Park) to 1223.1 per 100,000 persons (Alpharetta). **[Fulton County Diagnoses Rates (per 100,000 persons): Cumulative –16636.0; Incidence – 843.3**]. See map showing incident case rate by ZIP code on Pg.7.
- Of all PCR testing done in Fulton County between January 17 and January 30, 2022, **the percent positivity rate was 15.1%.**

Fig 1. Daily and Cumulative Confirmed and Probable COVID-19 cases in Fulton County, GA
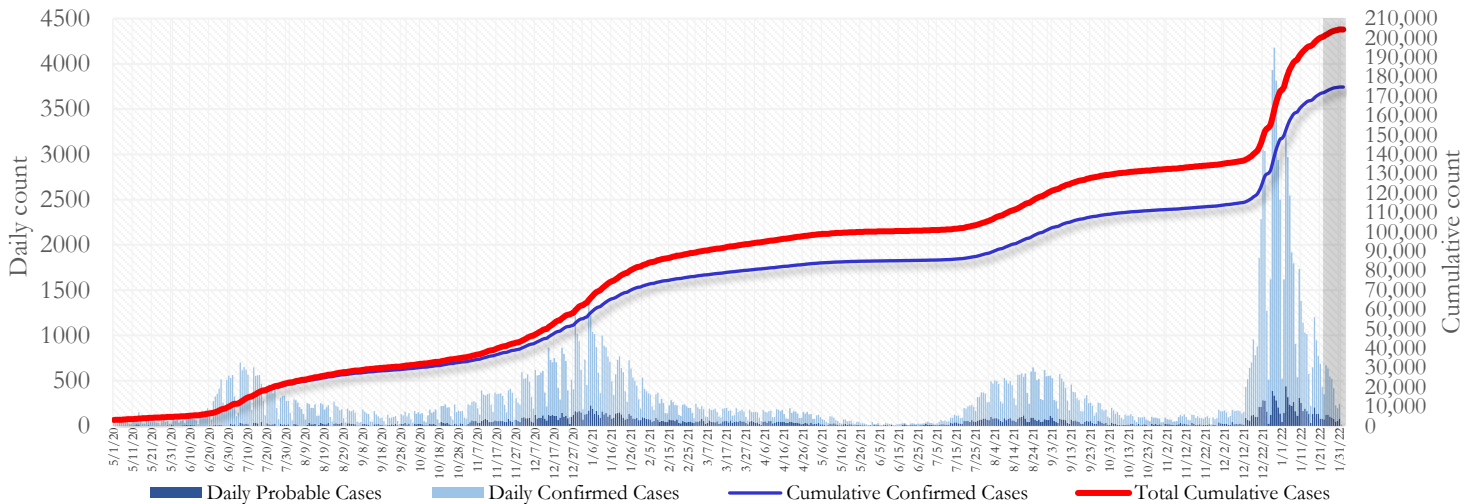
Counts shown reflect the number of cases as of 9:00 am on 2/2/22 using the date of first positive sample collection. Where date of sample collection was not available or missing, the date of report creation in GA SendSS was used instead. The Georgia Department of Public Health defines a confirmed cases 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: 37% of the new COVID-19 cases in the past 2 weeks occurred in Atlanta while 43% and 17% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative count	% New cases*
Atlanta	43.0%	37.2%
North[1]	32.1%	42.7%
South[2]	22.1%	16.8%
Unincorporated/Unknown	2.8%	3.2%

[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 1/13/22 – 1/26/22).*
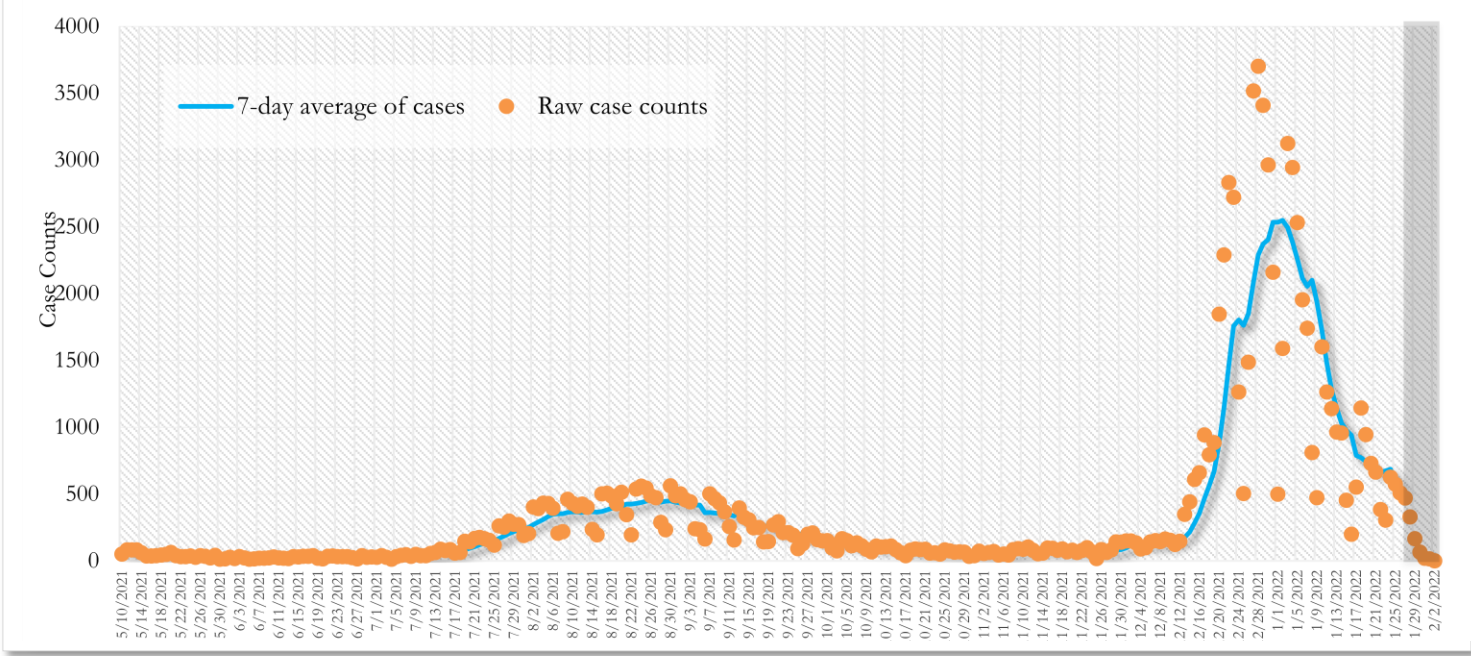
In the recent two week reporting period (1/13-1/26), there were fewer new cases of COVID-19 in Fulton County than the previous two weeks (12/30-1/12).

*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)**
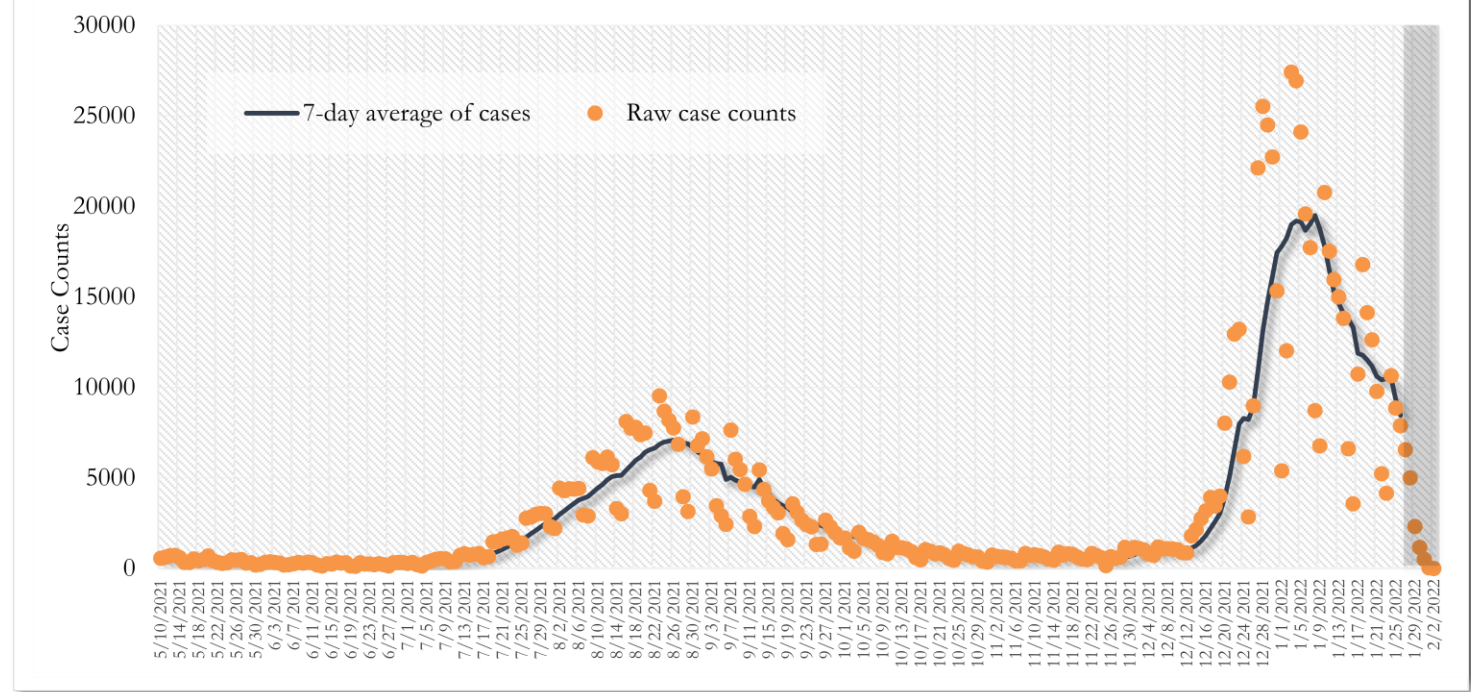
Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject to 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)
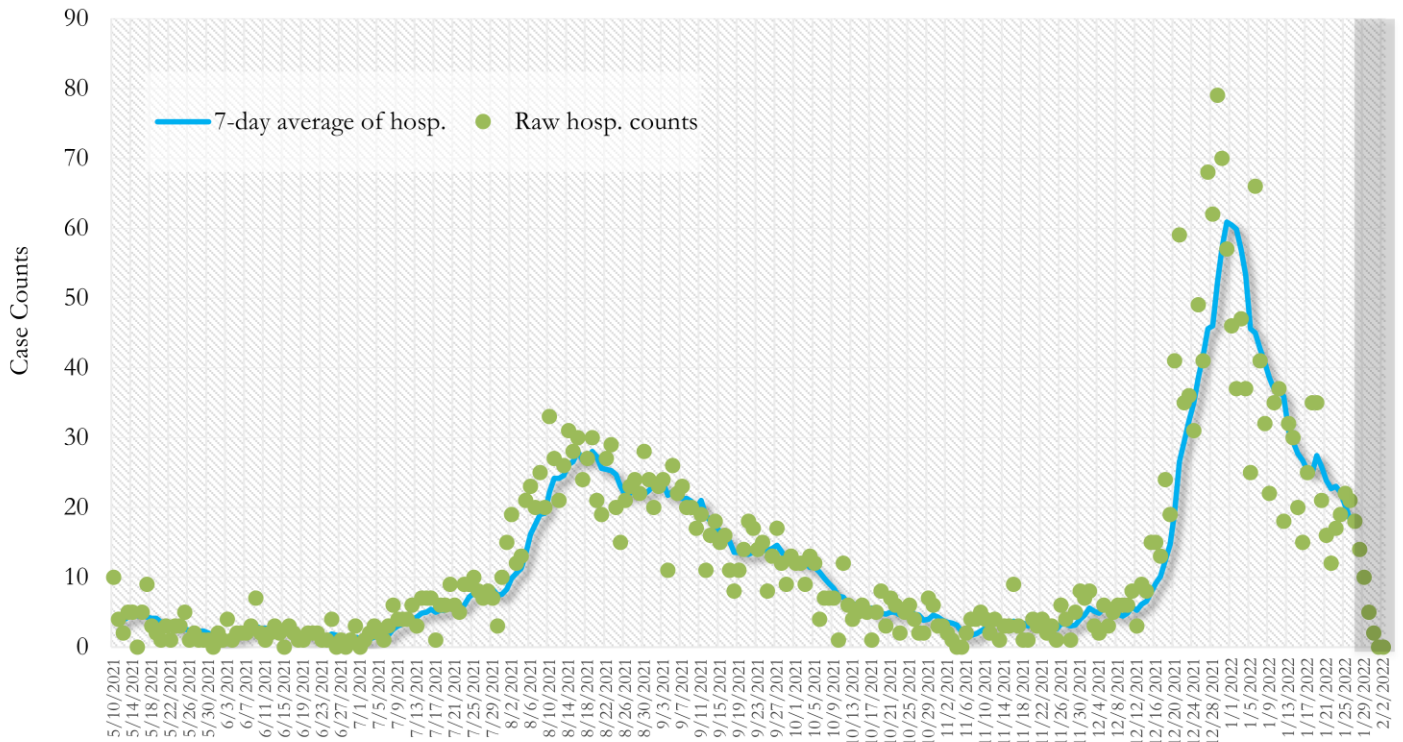
*Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the state surveillance database. Numbers may include those who tested positive for Covid-19 while hospitalized for a different reason.

**Fig. 5. COVID-19 Hospitalizations in Georgia State Daily (Averaged over 7 days)**
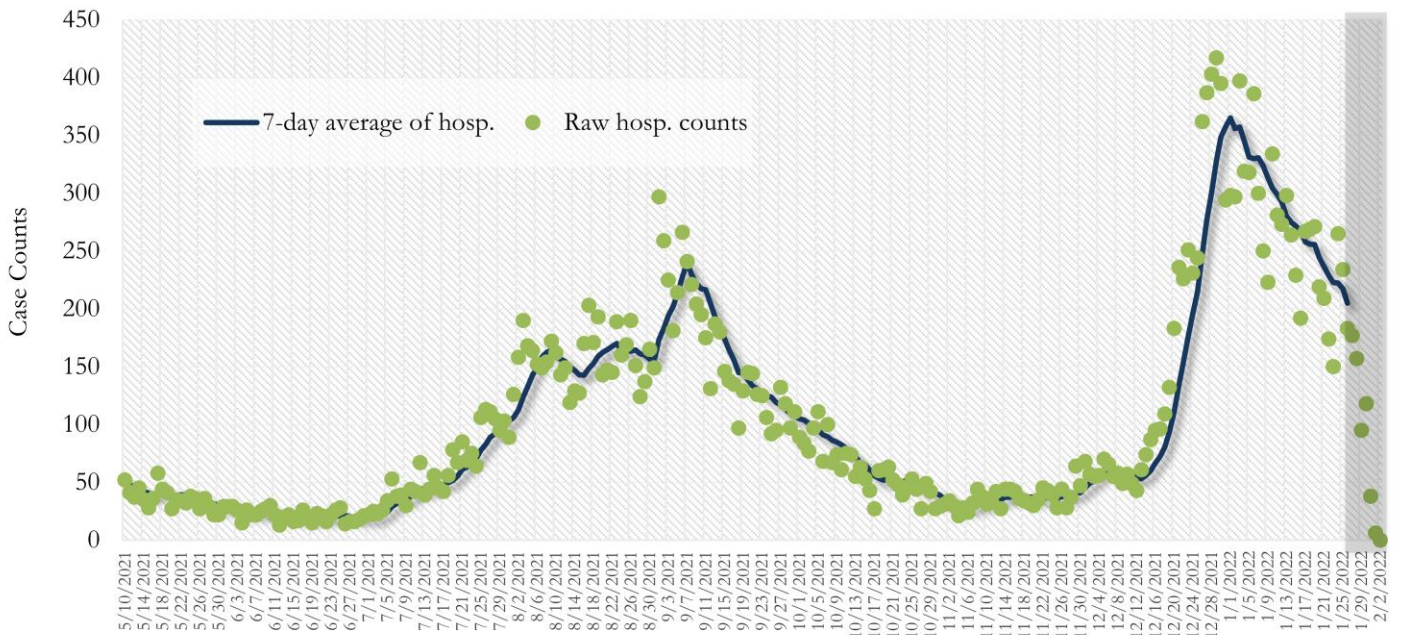
*Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the state surveillance database. Numbers may include those who tested positive for Covid-19 while hospitalized for a different reason.

Fig. 6. COVID-19 Deaths in Fulton County Daily (Averaged over 7 days)
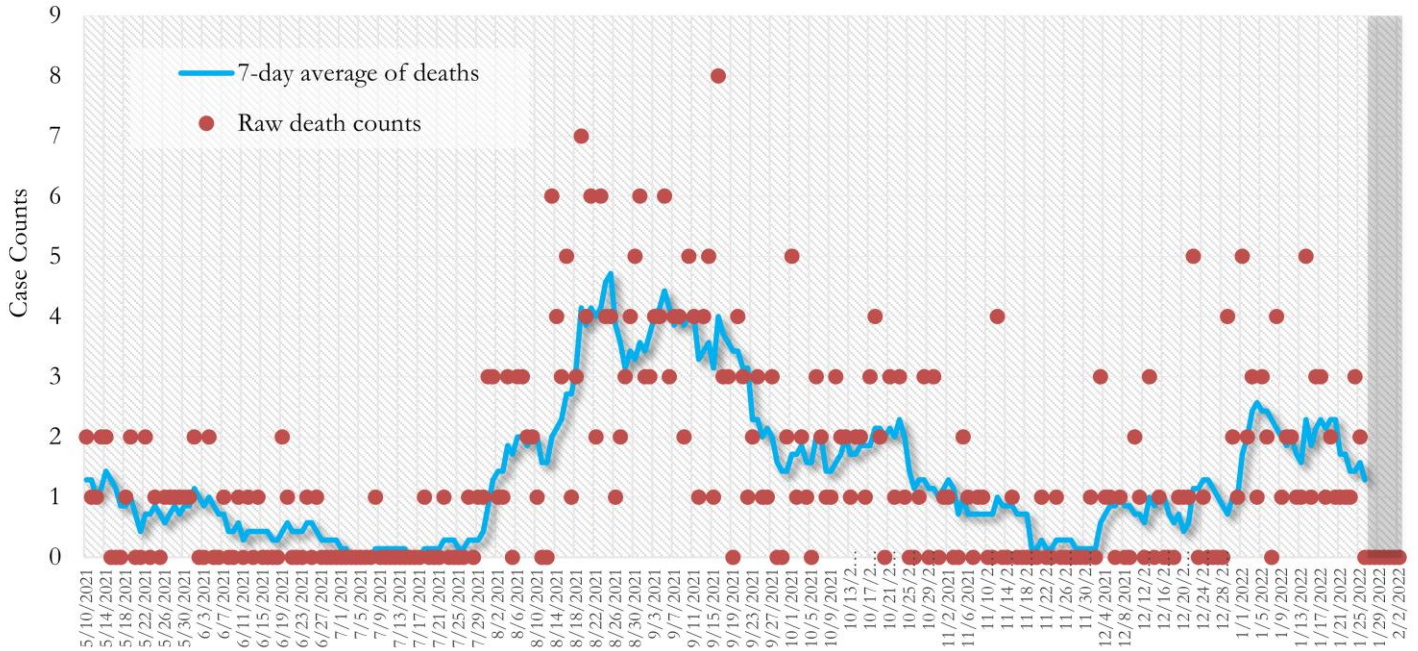
Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

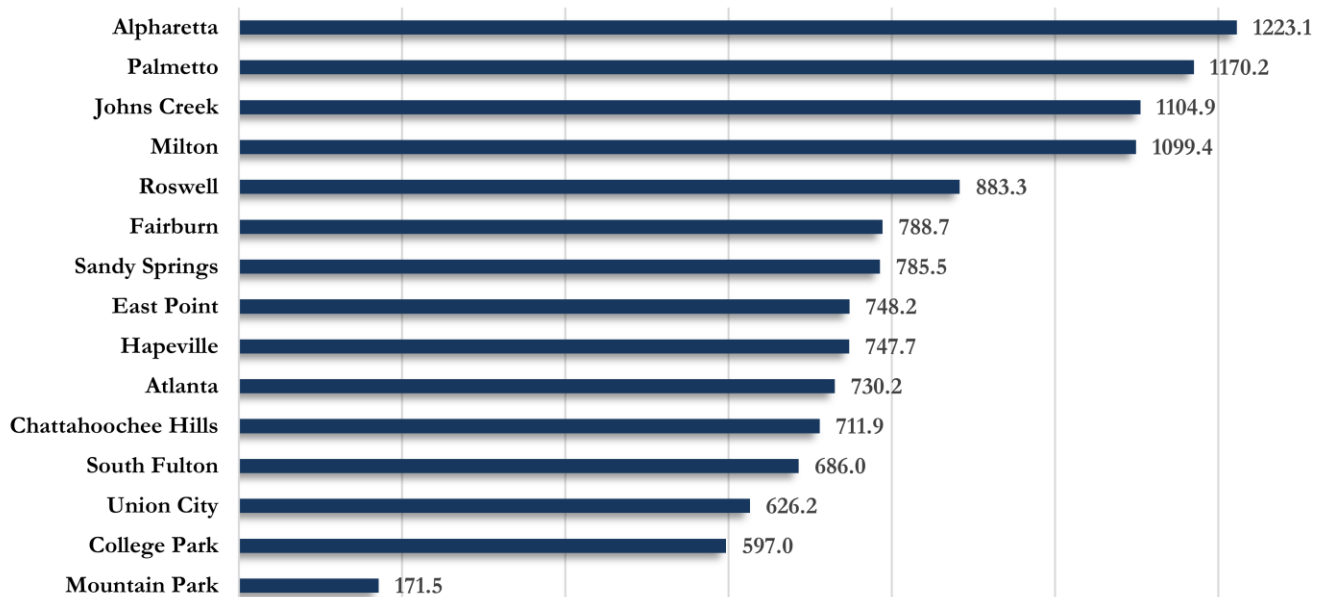## Fig. 7. COVID-19 Deaths in Georgia State Daily (Averaged over 7 days)
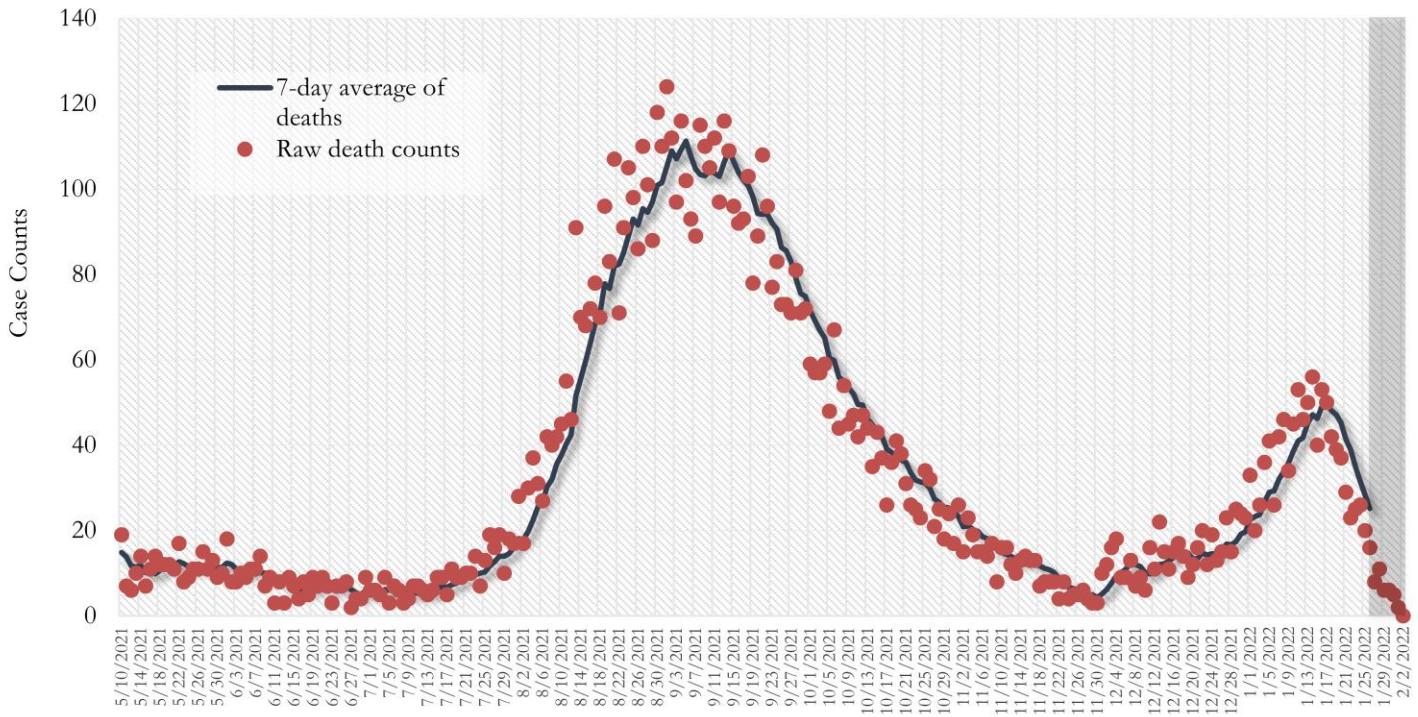
Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

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]	14-Day Incidence Rate[3]
	1/13-1/26	*12/30-1/12*		
Alpharetta	805	1373	↓ 41.4%	1223.1
Atlanta	3349	8760	↓ 61.8%	730.2
Chattahoochee Hills	21	37	↓ 43.2%	711.9
College Park	77	271	↓ 71.6%	597.0
East Point	287	933	↓ 69.2%	748.2
Fairburn	130	368	↓ 64.7%	788.7
Hapeville	49	176	↓ 72.2%	747.7
Johns Creek	911	1674	↓ 45.6%	1104.9
Milton	454	687	↓ 33.9%	1099.4
Mountain Park	<10	<10	-	171.5
Palmetto	46	98	↓ 53.1%	1170.2
Roswell	820	1622	↓ 49.4%	883.3
Sandy Springs	849	1878	↓ 54.8%	785.5
South Fulton	737	2496	↓ 70.5%	686.0
Union City	168	627	↓ 73.2%	626.2
Unknown	288	696	-	-

[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. Population estimates come from 2020 Census data.* ***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.* **<u>Note:</u>** *All data reported are preliminary and subject to change.*

Fig. 8. Incidence Rates by Fulton City for Recent 14-day Reporting Period

City	Rate
Alpharetta	1223.1
Palmetto	1170.2
Johns Creek	1104.9
Milton	1099.4
Roswell	883.3
Fairburn	788.7
Sandy Springs	785.5
East Point	748.2
Hapeville	747.7
Atlanta	730.2
Chattahoochee Hills	711.9
South Fulton	686.0
Union City	626.2
College Park	597.0
Mountain Park	171.5

*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 (January 13 – January 26, 2022) in Fulton County

Cases per Square Mile
- ≤ 2.3
- ≤ 6.8
- ≤ 12.1
- ≤ 18.2
- ≤ 25
- ≤ 32.6
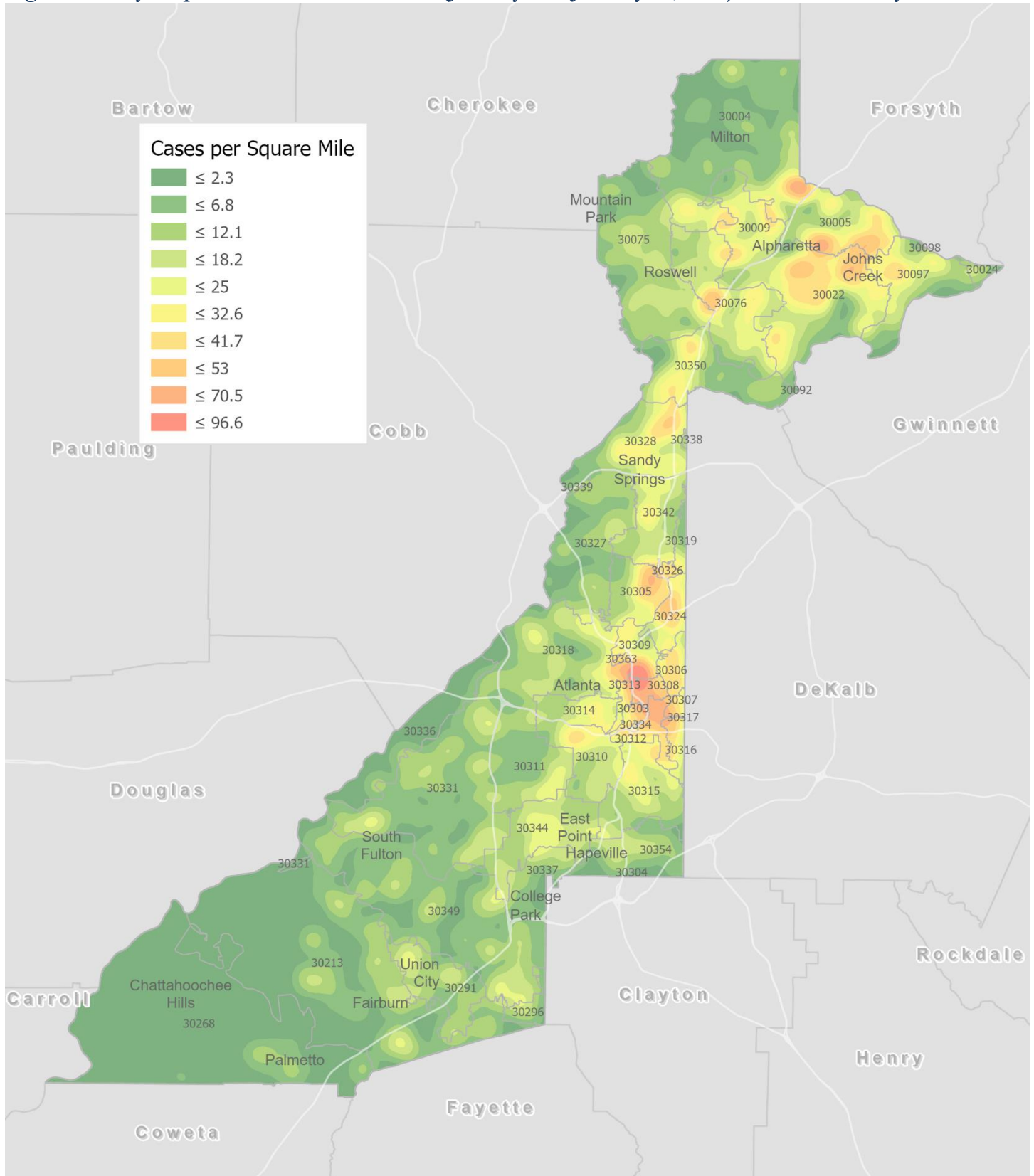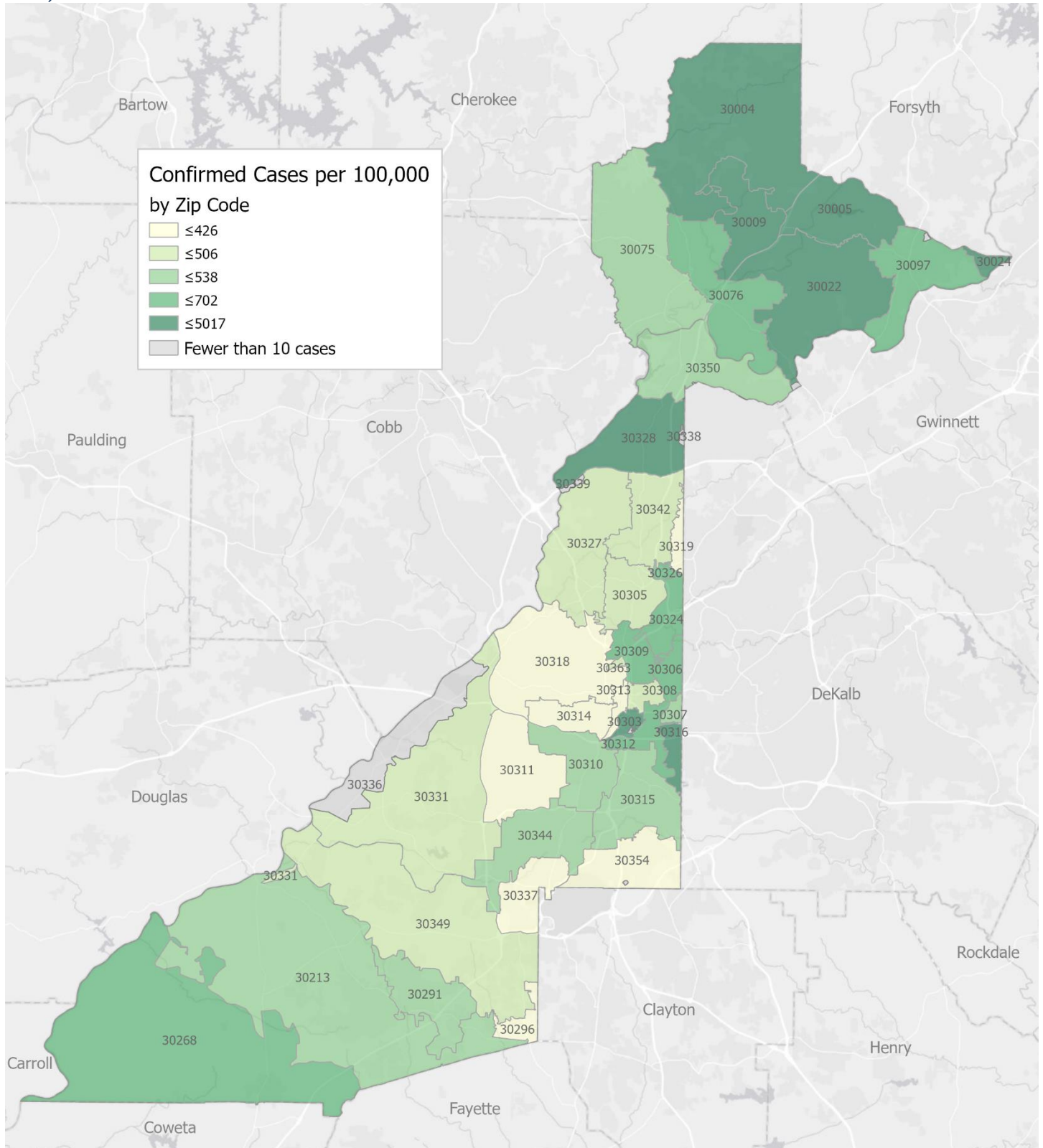- ≤ 41.7
- ≤ 53
- ≤ 70.5
- ≤ 96.6

Fig. 10. New COVID-19 Diagnoses Rates (per 100,000 population) by Zip Code (January 13 – January 26, 2022)

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 8 for zip code break down table.*

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

Zip Code	Recent 14-day reporting period (1/13– 1/26)	Previous 14-day reporting period (12/30– 1/12)	% Change between reporting periods[2]
All Fulton	**8996**	**21723**	↓ **58.6%**
30004	607	901	↓ 32.6%
30005	429	686	↓ 37.5%
30009	236	323	↓ 26.9%
30022	760	1477	↓ 48.5%
30024	23	41	↓ 43.9%
30075	354	598	↓ 40.8%
30076	415	896	↓ 53.7%
30092	0	<10	↓ 66.9%
30097	252	491	↓ 48.7%
30098	0	0	-
30213	306	1007	↓ 69.6%
30268	80	162	↓ 50.6%
30291	163	626	↓ 74.0%
30296	29	102	↓ 71.6%
30303	82	135	↓ 39.3%
30305	203	524	↓ 61.3%
30306	139	251	↓ 44.6%
30307	52	114	↓ 54.4%
30308	168	371	↓ 54.7%
30309	243	503	↓ 51.7%
30310	214	544	↓ 60.7%
30311	231	714	↓ 67.6%
30312	187	532	↓ 64.8%
30313	102	147	↓ 30.6%
30314	115	382	↓ 69.9%
30315	249	667	↓ 62.7%
30316	124	250	↓ 50.4%
30317	<10	14	↓ 71.4%
30318	443	1351	↓ 67.2%
30319	48	93	↓ 48.4%
30324	228	497	↓ 54.1%
30326	42	127	↓ 66.9%
30327	164	433	↓ 62.1%
30328	374	743	↓ 49.7%
30331	408	1345	↓ 69.7%
30334	0	<10	↓ 100.0%
30336	16	59	↓ 72.9%
30337	69	246	↓ 72.0%

Zip Code	Recent 14-day reporting period (1/13– 1/26)	Previous 14-day reporting period (12/30– 1/12)	% Change between reporting periods
30338	15	40	↓ 62.5%
30339	34	57	↓ 40.4%
30340	<10	0	-
30341	0	<10	↓ 100.0%
30342	254	565	↓ 55.0%
30344	280	864	↓ 67.6%
30349	396	1455	↓ 72.8%
30350	252	572	↓ 55.9%
30354	110	404	↓ 72.8%
30358	0	<10	↓ 100.0%
30363	32	70	↓ 54.3%
30606	0	0	-
31131	0	0	-
31150	0	0	-
Unknown	57	302	-

[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. Some zip codes that refer only to PO Box zip codes and not actual residential addresses were recently removed from the above table.*

COVID-19 HOSPITALIZATIONS, ICU ADMISSIONS AND DEATHS IN FULTON

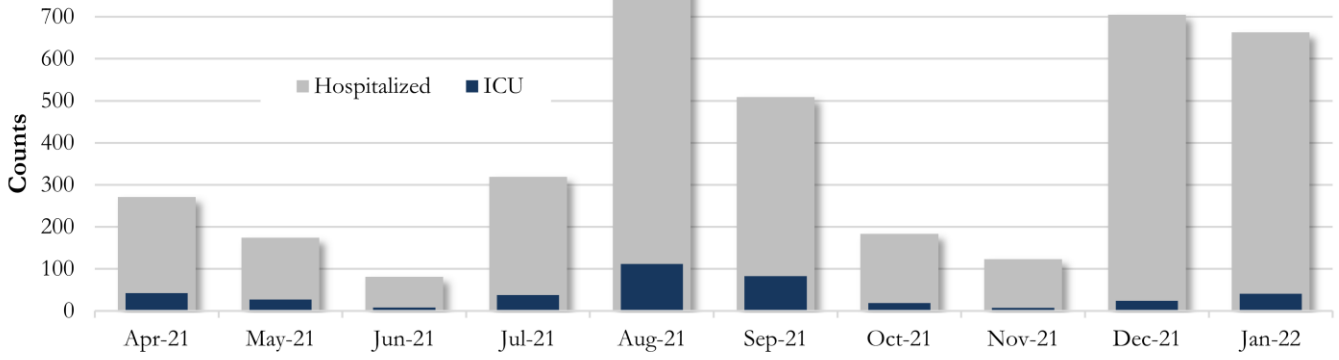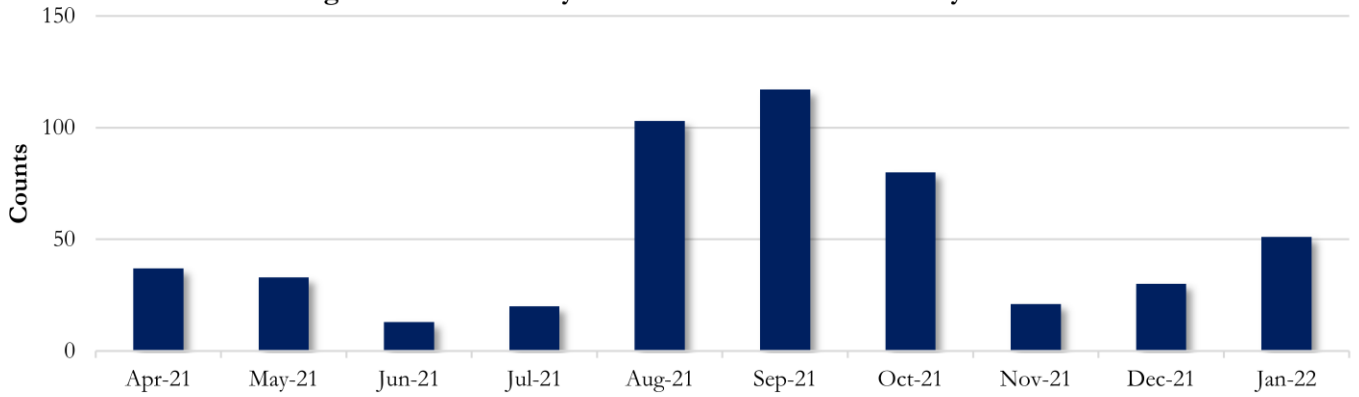**Fig. 11. Fulton County Covid-19 Cases Hospitalized and Admitted to ICU by Month**

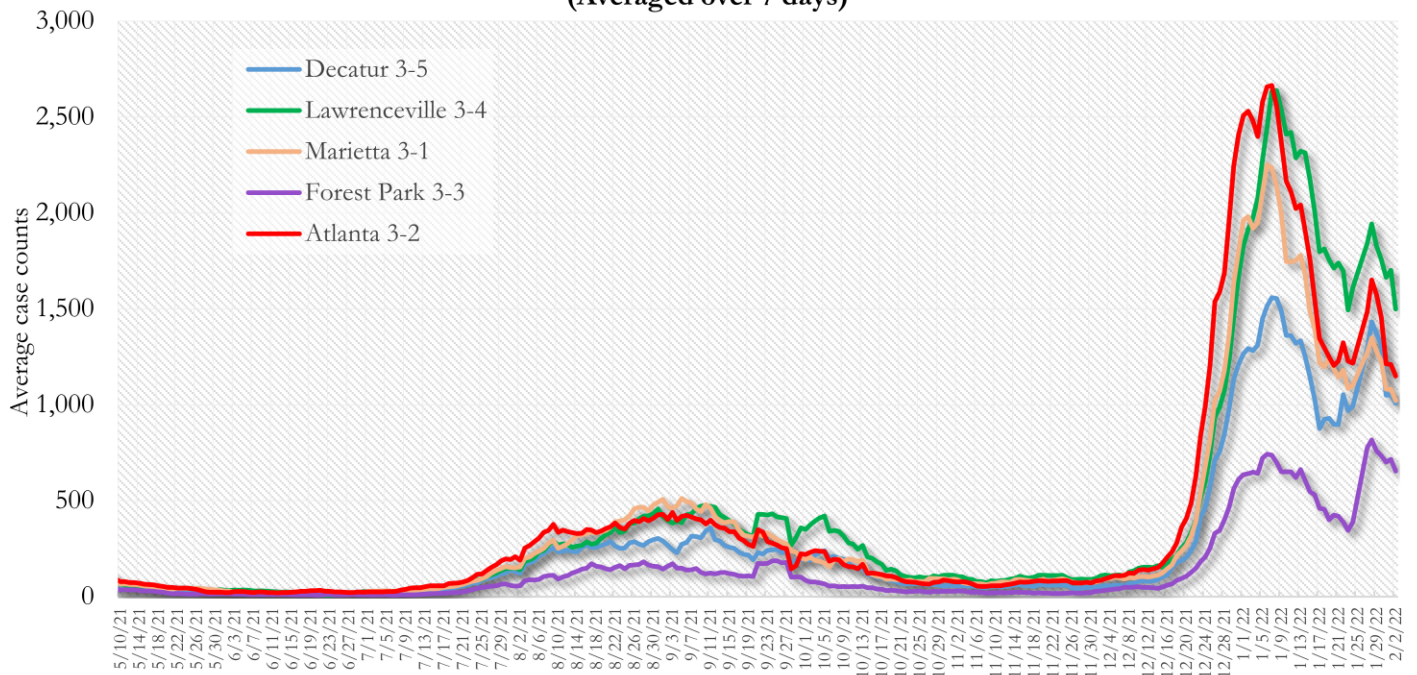**Fig. 12. Fulton County Confirmed Covid-19 Deaths by Month**

Values for December 2021 and January 2022 in figures 11 and 12 are subject to change as more hospitalizations, ICU admissions, and deaths get reported to state and local entities.

Fig. 13. Hospitalizations, ICU Admissions, Intubations, and Deaths among all Covid-19 Cases in Fulton County since April 1, 2021
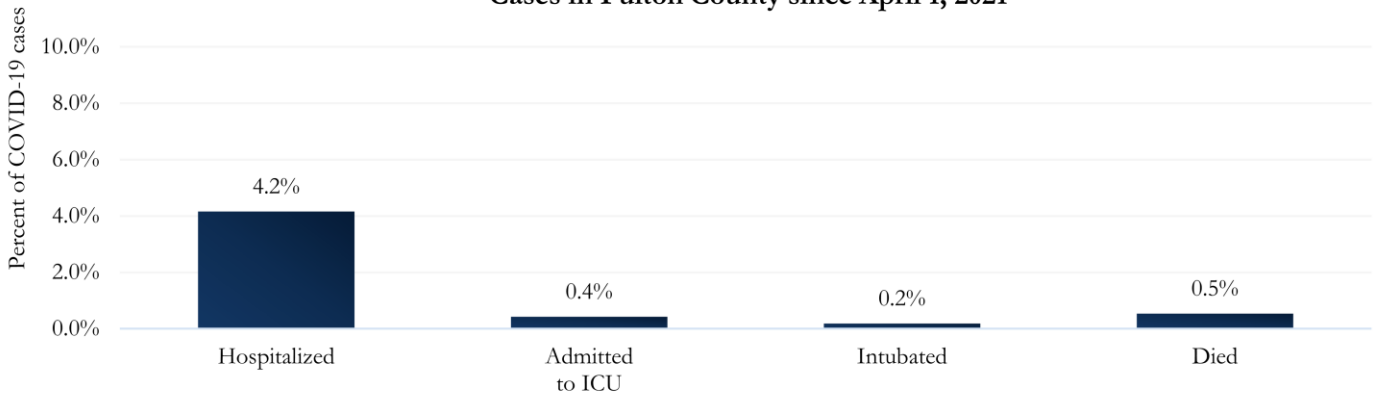
COVID-19 CASE TRENDS IN FULTON AND SURROUNDING DISTRICTS

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

This figure uses date of report as provided from DPH.

DEMOGRAPHIC DISTRIBUTIONS – COVID-19 CASES AND DEATHS

Table A - Cumulative and recent confirmed Covid-19 case and death counts by gender, age, and race/ethnicity in Fulton County, Georgia. Past 28 day period refers to December 30, 2021 – January 26, 2022

	Total Confirmed Cases	% of Total Cases	Confirmed Cases past 28 days	% of Confirmed Cases past 28 days	Total Confirmed Deaths	% of Total Deaths	Confirmed Deaths past 28 days	% of Confirmed Deaths past 28 days
TOTAL	**177458**		**30720**		**1810**		**54**	
Female	95939	54.1%	16617	54.1%	866	47.8%	26	48.1%
Male	80199	45.2%	13520	44.0%	944	52.2%	28	51.9%
Unknown*	1320	<1%	583	<1%	0	-	0	-
0-9	11462	6.5%	2962	9.6%	0	-	0	-
10-19	20804	11.7%	3271	10.6%	<10	<1%	0	-
20-29	37955	21.4%	5916	19.3%	<10	<1%	<10	1.9%
30-39	34958	19.7%	5681	18.5%	51	2.8%	0	-
40-49	26718	15.1%	4623	15.0%	67	3.7%	<10	3.7%
50-59	22118	12.5%	3891	12.7%	197	10.9%	<10	14.8%
60-69	12924	7.3%	2530	8.2%	347	19.2%	10	18.5%
≥70	10389	5.9%	1821	5.9%	1140	63.0%	33	61.1%
Unknown*	130	<1%	<10	<1%	0	-	0	-
Asian, NH	7704	4.3%	1987	6.5%	26	1.4%	0	-
Black, NH	75696	42.7%	10181	33.1%	1153	63.7%	37	68.5%
White, NH	49712	28.0%	6015	19.6%	544	30.1%	14	25.9%
Hispanic, all races	15797	8.9%	2240	7.3%	75	4.1%	<10	1.9%
Other, NH	5137	2.9%	811	2.6%	11	<1%	<10	1.9%
Unknown*	23412	13.2%	9486	30.9%	<10	<1%	<10	1.9%

Unknown includes cases not yet interviewed. 28 days delayed by seven to account for lag in reporting lab results. Deaths refer to 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.

The following data are updated every two weeks.

Last updated 2/2/2022

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.

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

Fig. 15. Percent Complete Vaccination and COVID-19 Case Rate (per 100,000 population) by Census Tract January 3 – January 30, 2022
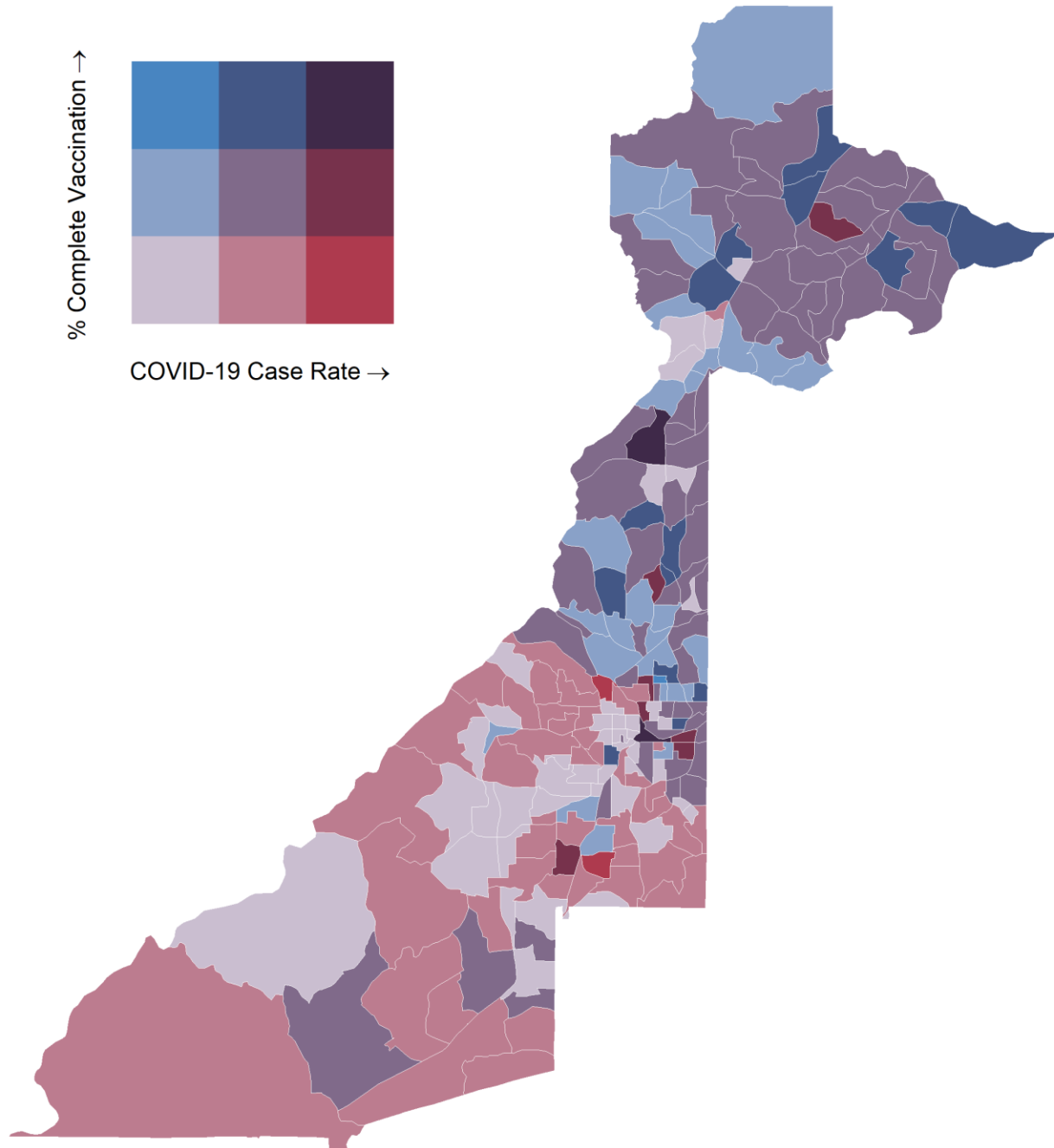
How to interpret these colors: *The brighter the blue, the better. The upper most blue box indicates low COVID-19 case rates and high vaccination coverage. Red is not ideal as red indicates high COVID-19 case rates and low vaccination coverage. Colors in between indicate varying combinations of COVID-19 case rates and vaccination coverage. COVID-19 case rate reflects new COVID-19 cases diagnosed between January 3 and January 30, 2022 across Fulton County. Vaccination data from:* https://experience.arcgis.com/experience/3d8eea39f5c1443db1743a4cb8948a9c

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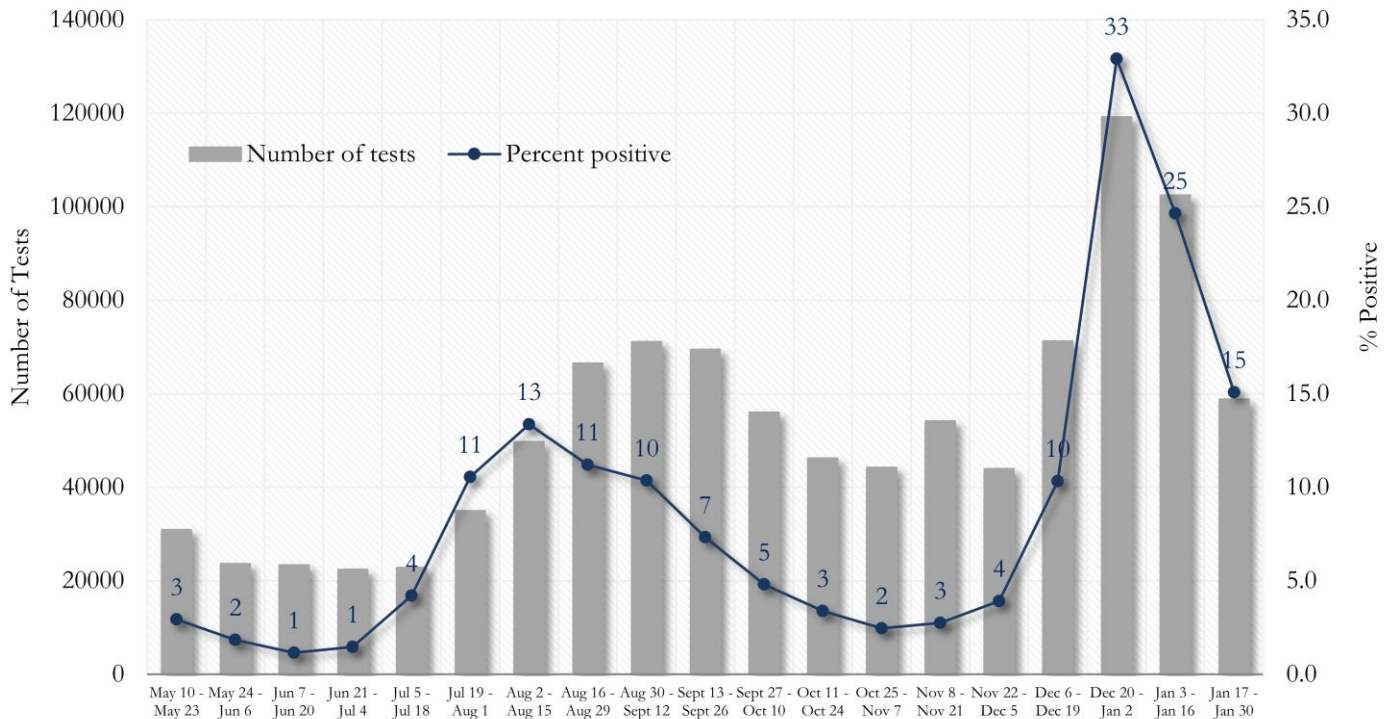
*Data on Polymerase Chain Reaction (PCR) tests only included.

Fig. 17. Trends in Positive Covid-19 Tests in Georgia by 14-day Periods
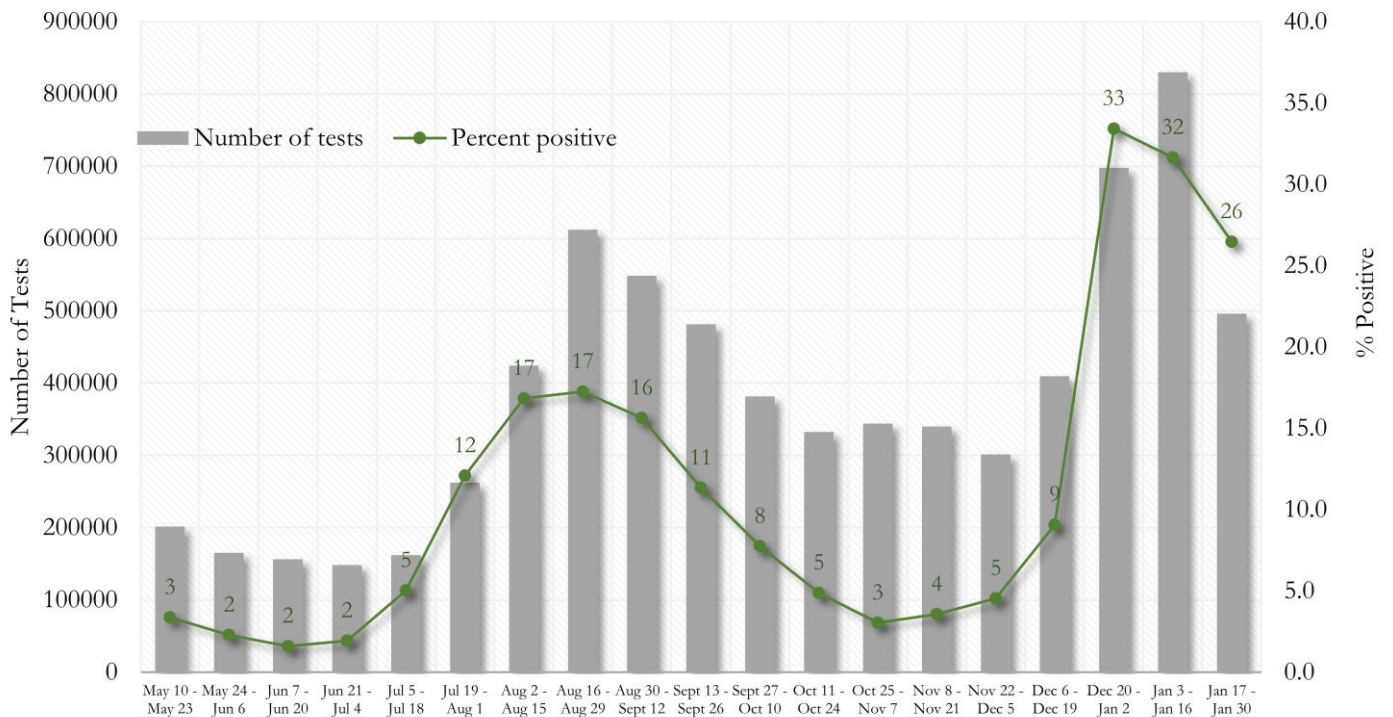
*Data on Polymerase Chain Reaction (PCR) tests only included.

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
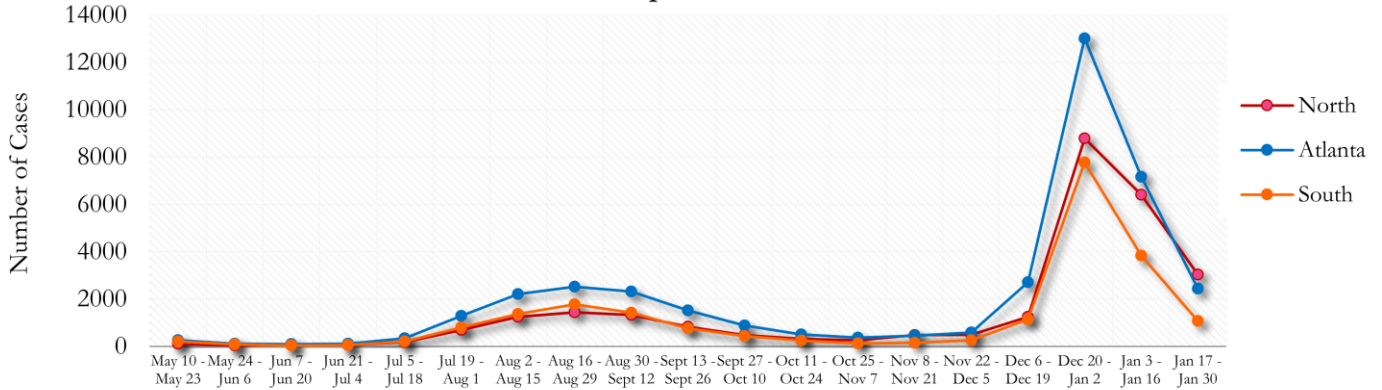
In the past two weeks, Atlanta and North Fulton accounted for roughly the same amount of new cases.
*North -Includes all Fulton cities north of Atlanta (Alpharetta, Johns Creek, Milton, Mountain Park, Roswell, Sandy Springs)
*South - Includes all Fulton cities south of Atlanta (Chattahoochee Hills, College 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
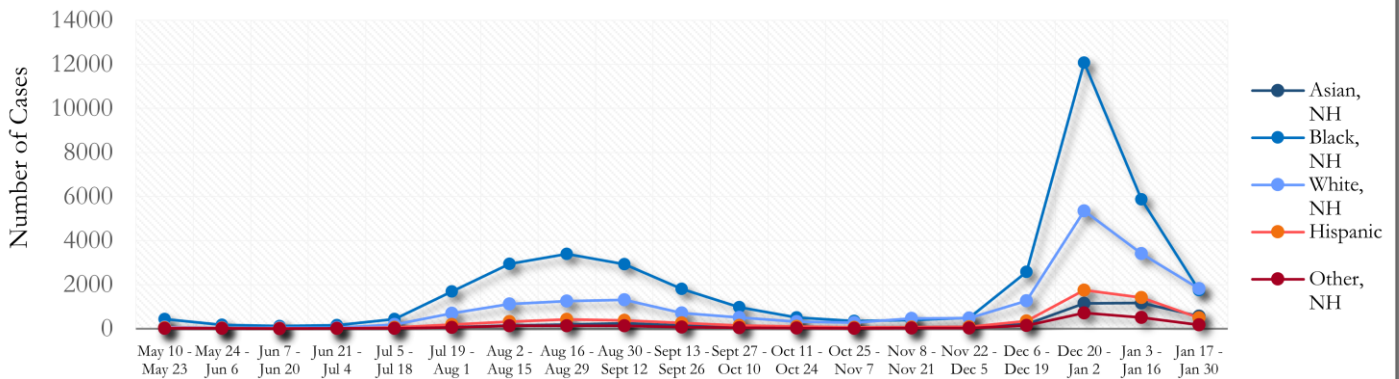
Fig. 20. Racial Distribution of Covid-19 Cases in Fulton County by 14-day periods
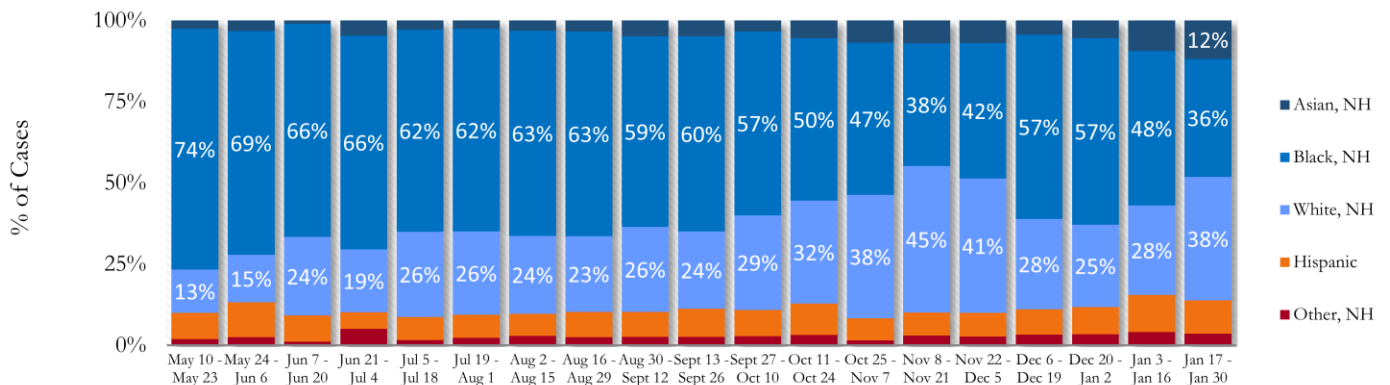
About 13% of all Fulton County COVID cases are missing data on patient race and ethnicity and in the past two weeks, about 29% of cases are missing this data. Percentages do not include the missing data and thus are subject to change as data are cleaned.

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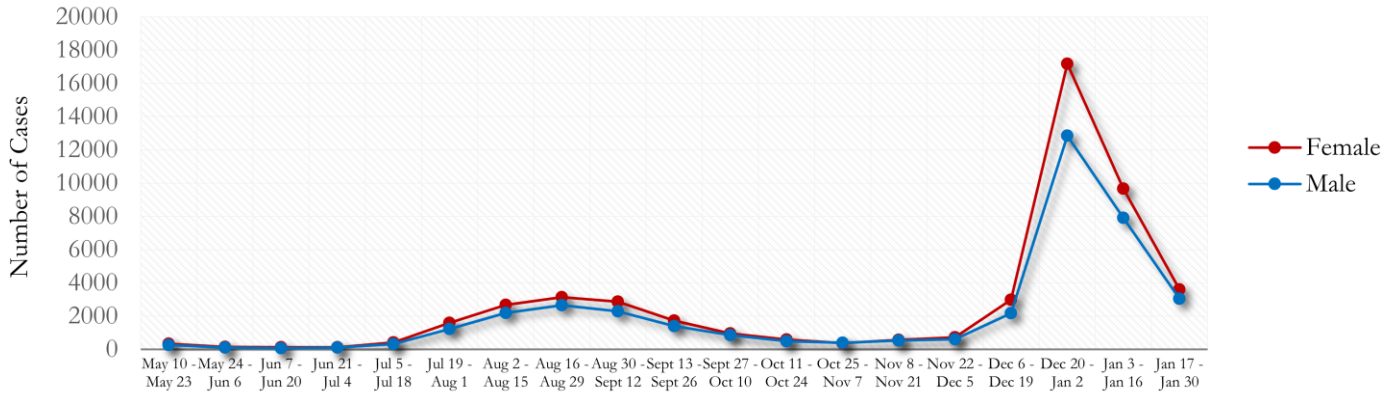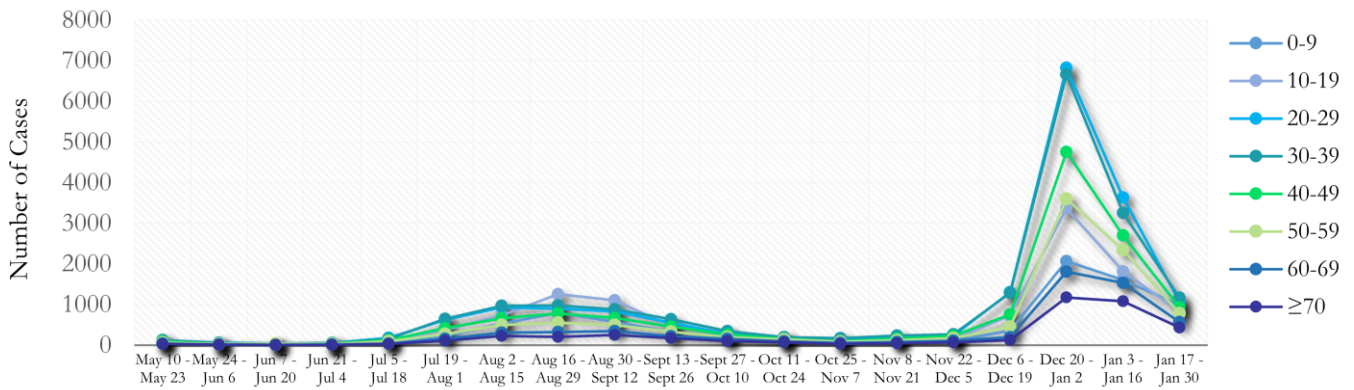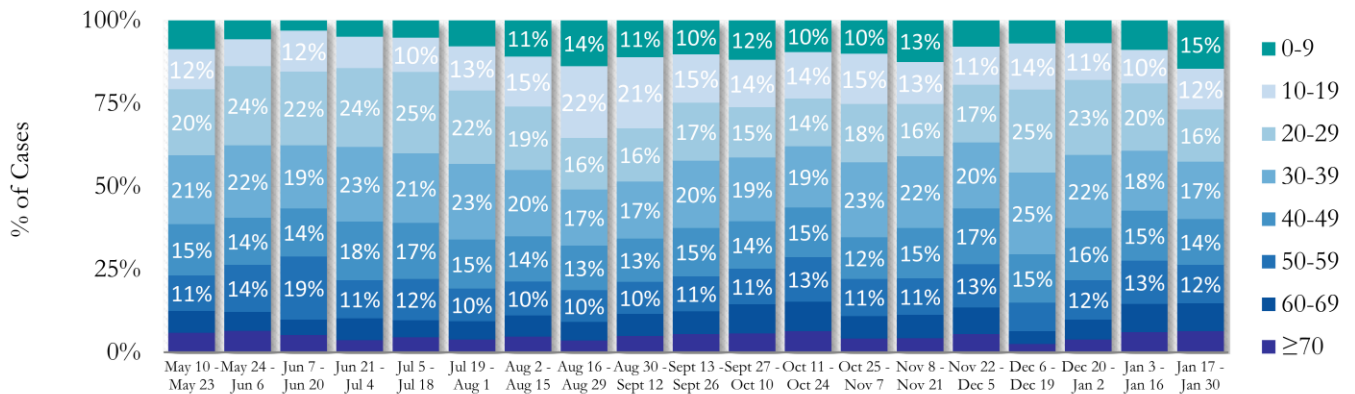

Fig. 22. Trends in Age Distribution of Covid-19 Cases in Fulton County by 14-day periods

In the most recent two weeks, 20-29 year olds and 30-39 year olds accounted for the majority of new cases.
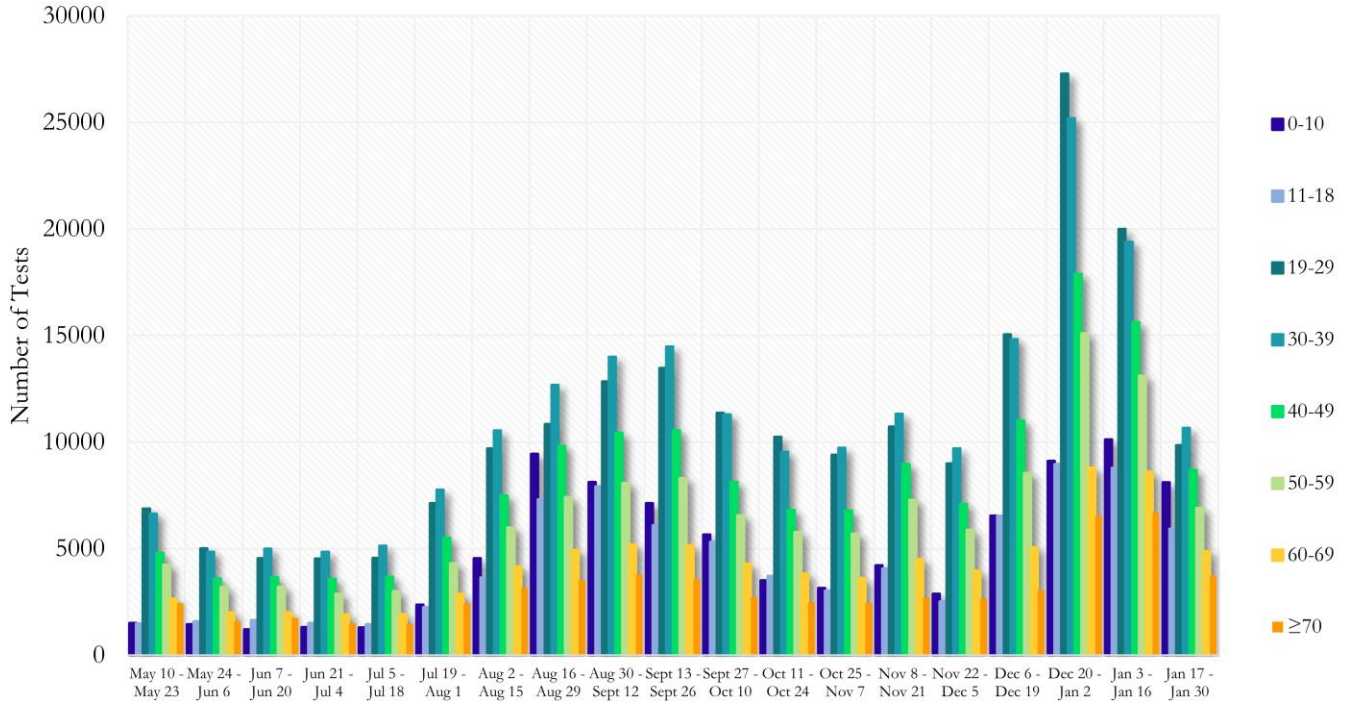
Fig. 23. Age Distribution of Covid-19 Cases in Fulton County by 14-day periods

Value labels under 10% are not shown. Percentages do not include the missing data and thus are subject to change as data are cleaned.
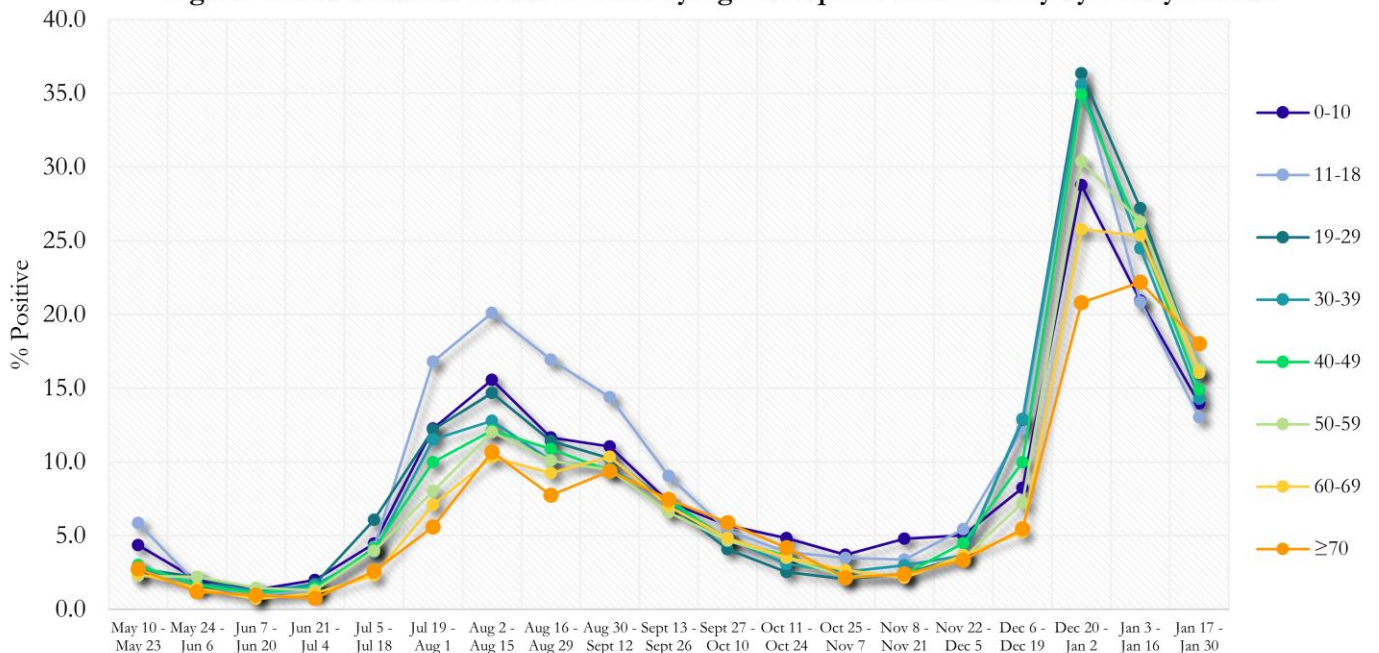
COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY BY AGE AND RACE

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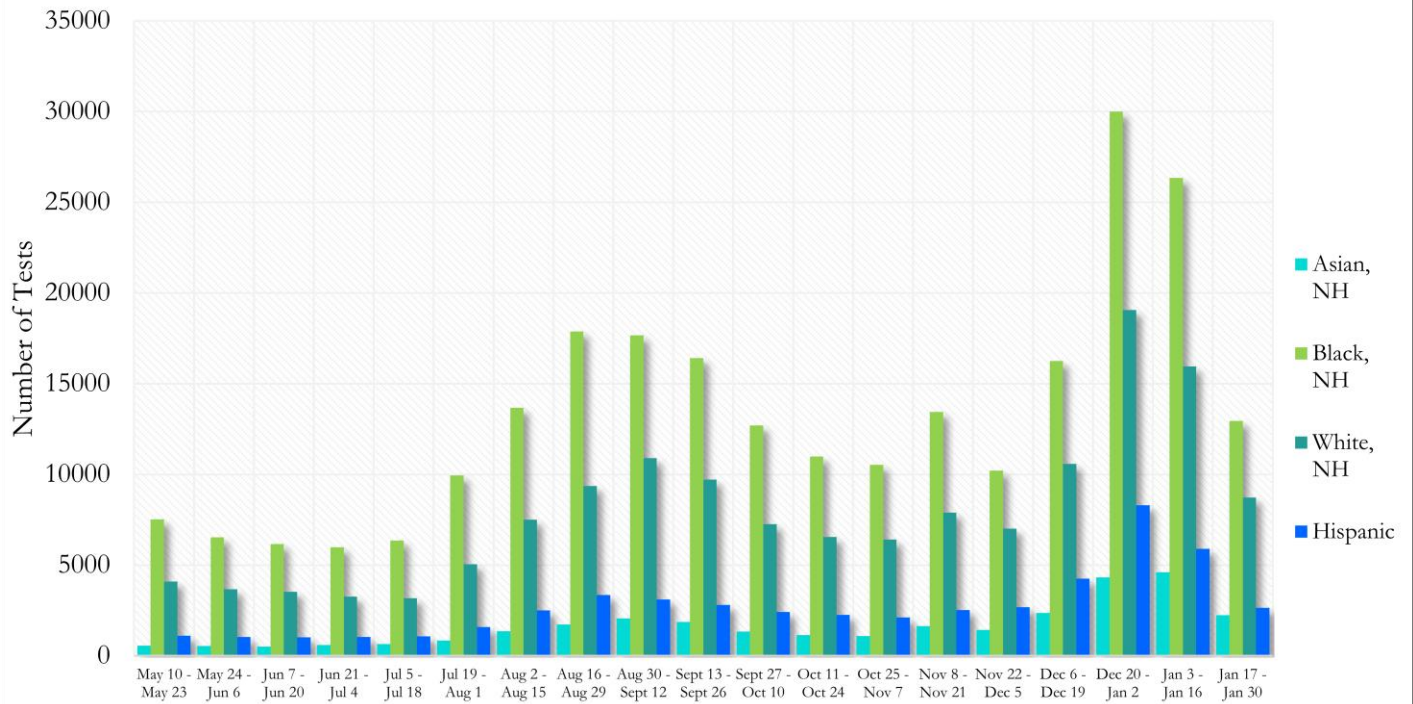
Data on Polymerase Chain Reaction (PCR) tests only included.

Fig. 25. Percent Positive Covid-19 Tests by Age Group in Fulton County by 14-day Periods
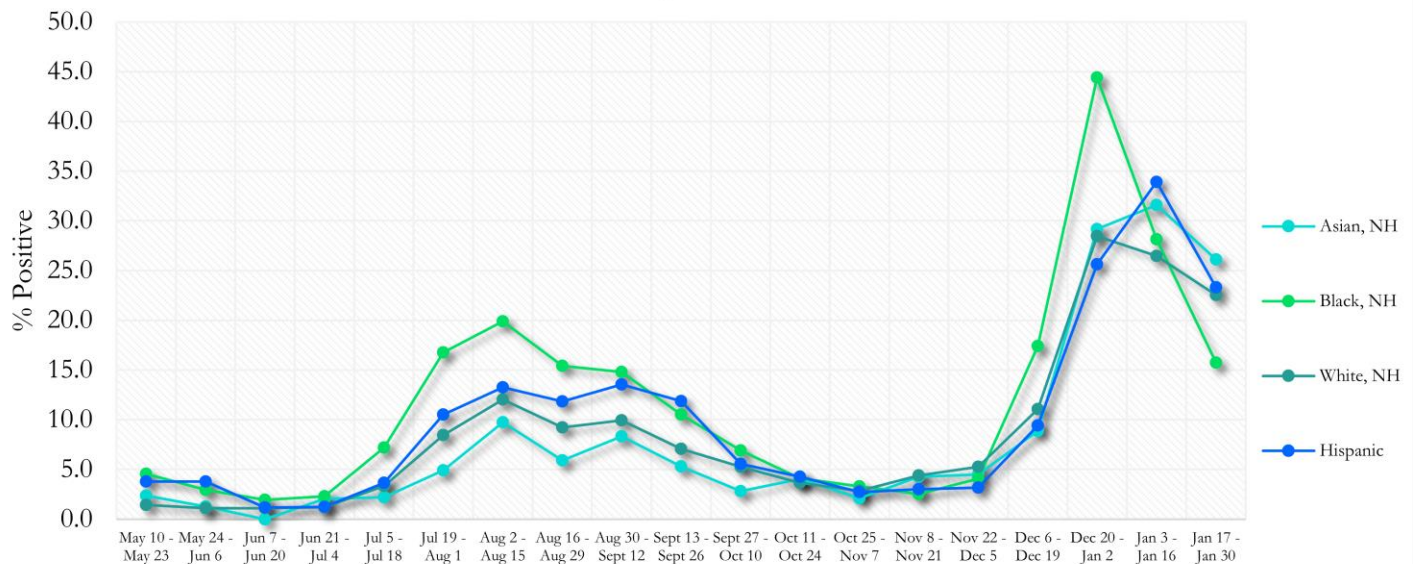
Data on Polymerase Chain Reaction (PCR) tests only included.

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.

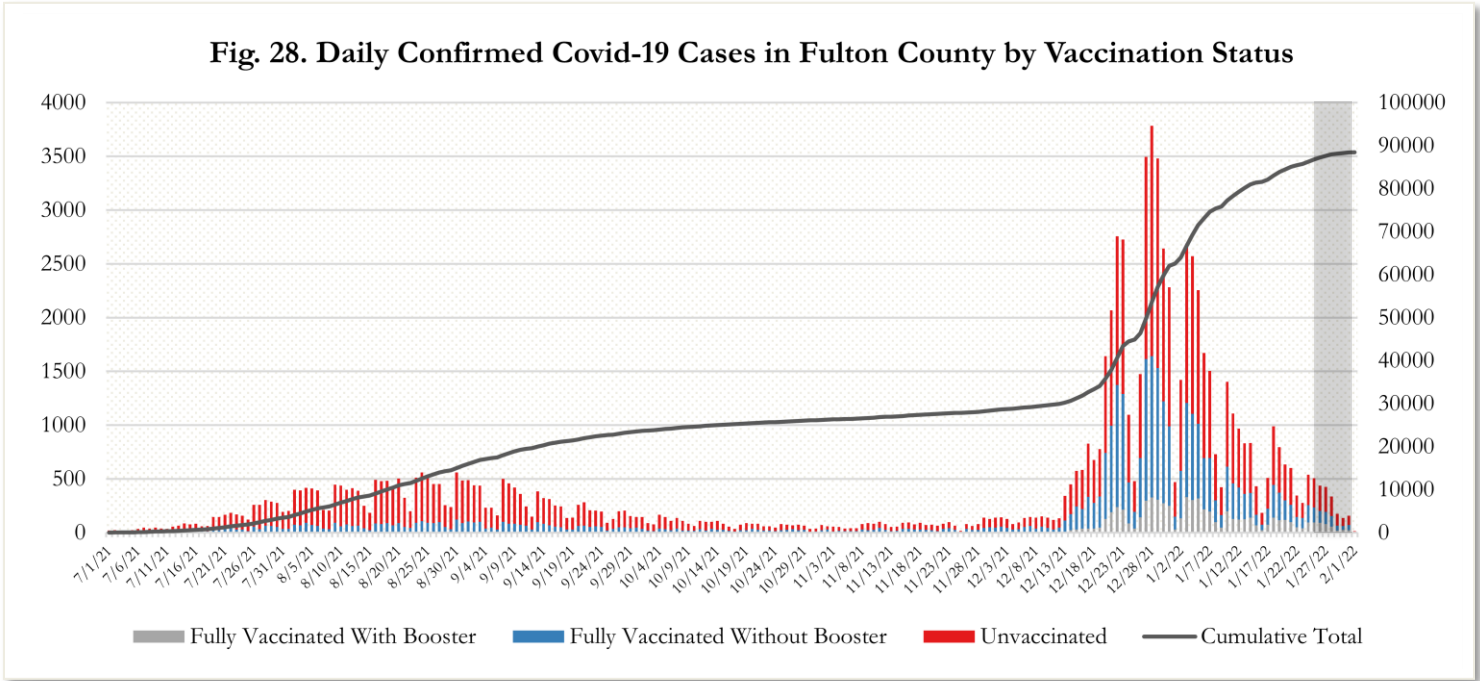**Fig. 27. Percent Positive Covid-19 Tests by Race and Ethnicity in Fulton County by 14-day Periods**

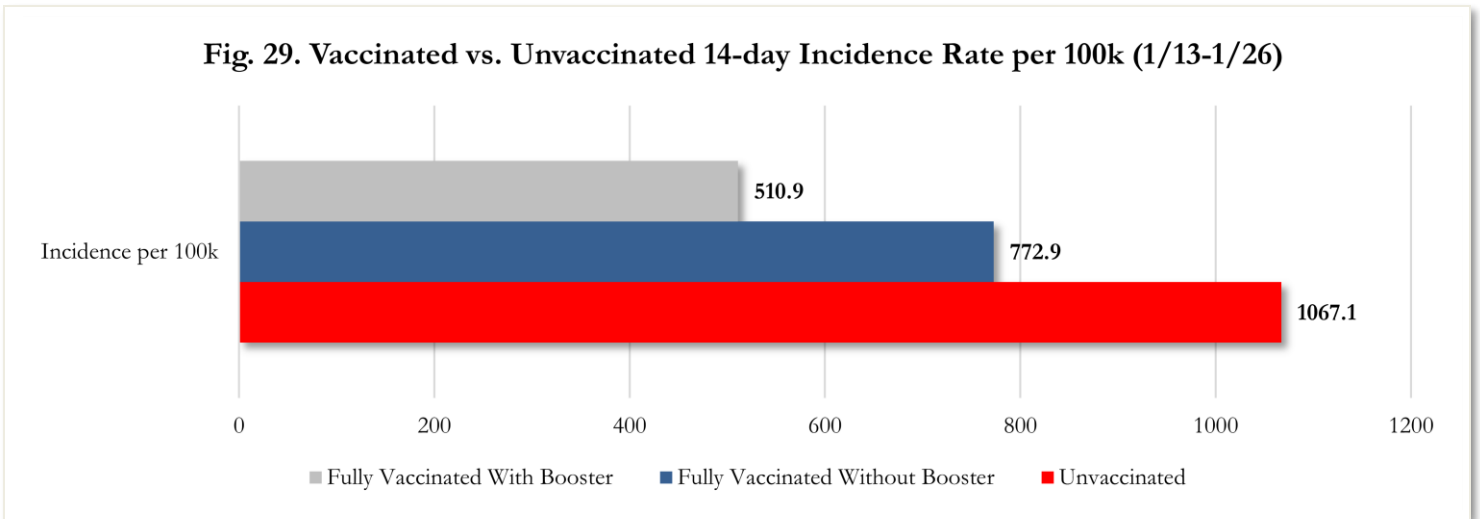**Data on Polymerase Chain Reaction (PCR) tests only included.*

FULTON COUNTY VACCINATION CASE DATA

There are currently **273,460 fully vaccinated plus boosted residents** in Fulton County, of which **2% have been a confirmed case of Covid-19 since 12/31/20.** There are **333,043 fully vaccinated but not boosted residents** in Fulton County, of which **8% have been a confirmed case of Covid-19 since 12/31/20.** Of the **406,207 partially vaccinated or unvaccinated** Fulton County residents, **19% have been a confirmed case of Covid-19 since 12/31/20.**

Since July 1, 2021, Fulton County has reported **88,446 new confirmed Covid-19 cases**. **63%** (55,913) of these new cases occurred in **unvaccinated individuals. 37%** (32,553) of these new cases occurred in **fully vaccinated individuals.**

Fig. 28. Daily Confirmed Covid-19 Cases in Fulton County by Vaccination Status

Legend: Fully Vaccinated With Booster — Fully Vaccinated Without Booster — Unvaccinated — Cumulative Total

Fully vaccinated without booster includes those who are not yet eligible for a booster due to age or date of receiving their primary series.

Fig. 29. Vaccinated vs. Unvaccinated 14-day Incidence Rate per 100k (1/13-1/26)

Incidence per 100k:
- Fully Vaccinated With Booster: 510.9
- Fully Vaccinated Without Booster: 772.9
- Unvaccinated: 1067.1

Incidence rate for each population is calculated using the number of new Covid-19 cases during the 14 day reporting period by vaccination status over the number of individuals in each population (vaccinated residents vs. unvaccinated residents). The number of individuals in each population is provided on the DPH Covid-19 Vaccine Dashboard.

CASE COUNTS AND RATES BY VACCINATION AND BOOSTER STATUS

Fig. 30. Fulton County Cumulative Case Counts of Covid-19 by Vaccination and Booster Status

- – – Unvaccinated
- ······ Fully Vaccinated Without Booster
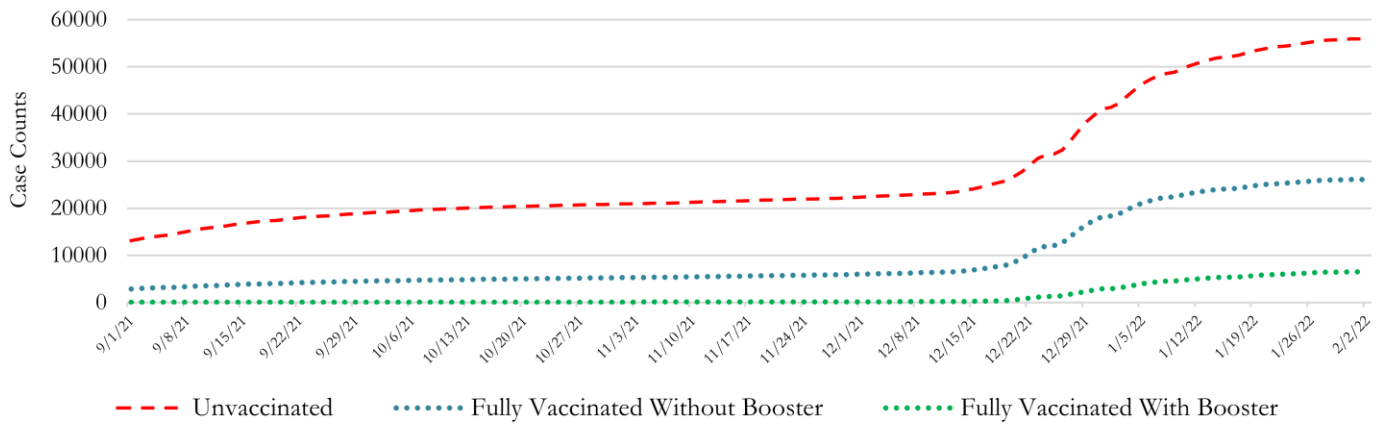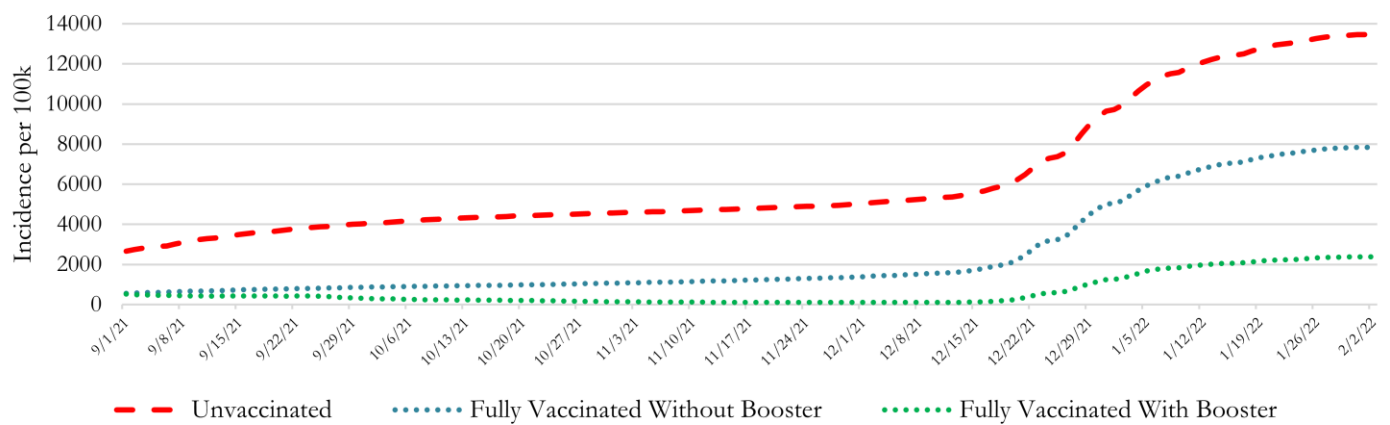- ······ Fully Vaccinated With Booster

Fig. 31. Fulton County Cumulative Incidence Rates of Covid-19 by Vaccination and Booster Status

- – – Unvaccinated
- ······ Fully Vaccinated Without Booster
- ······ Fully Vaccinated With Booster

SEVERE OUTCOMES BY VACCINATION STATUS

Fig. 32. Confirmed Cases Hospitalized for Any Reason by Vaccination Status

8%   1%

91%

■ Fully Vaccinated Without Booster   ■ Fully Vaccinated With Booster   ■ Unvaccinated
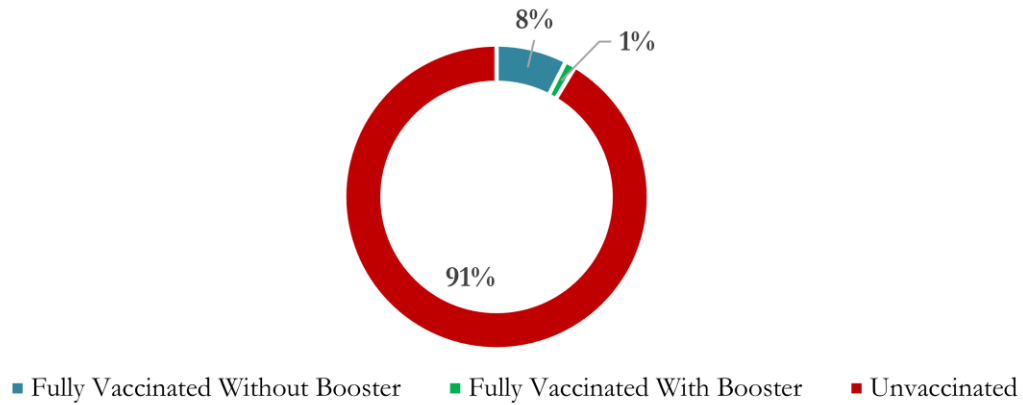
In accordance with DPH, data is displayed as confirmed **cases hospitalized "for any reason" and tested positive for Covid-19.** They were not necessarily hospitalized due to Covid-19.

Fig. 33. Confirmed Covid-19 Deaths by Vaccination Status

4%   <1%

96%

■ Fully Vaccinated   ■ Fully Vaccinated With Booster   ■ Unvaccinated
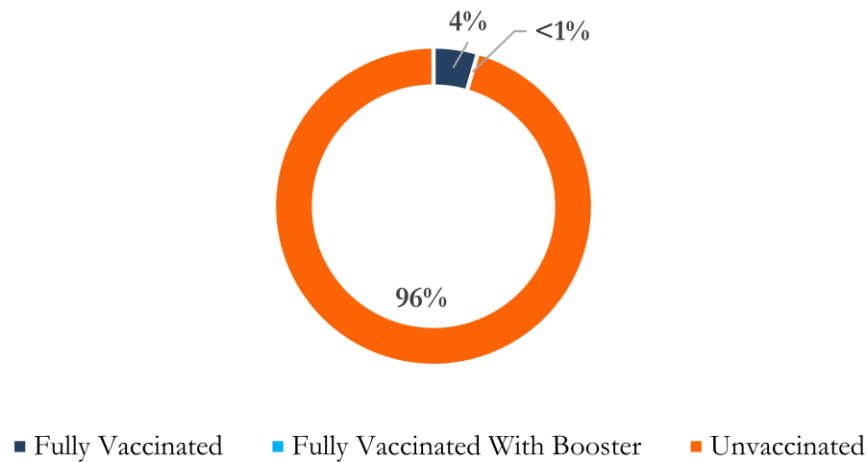
Of the **4%** of deaths that occurred in vaccinated individuals, **93% were over the age of 60.** Of that, **84% were over the age of 70.**