Fulton County Board of Health Epidemiology Report
## COVID-19 Cases – 11/10/2022

SUMMARY

- As of November 10, 2022, Fulton County has recorded **226,611 confirmed cases** and **38,437 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 November 10, 2022, Fulton County has recorded **2,305 confirmed COVID-19 deaths.**
- By city, new confirmed COVID-19 case rates range from 25.4 per 100,000 persons (Palmetto) to 91.6 per 100,000 persons Hapeville). **[Fulton County Diagnoses Rates (per 100,000 persons): Cumulative – 226611; Incidence – 71.2**]. See map showing incident case rate by ZIP code on Pg.7.
- Of all PCR testing done in Fulton County between Oct 24 and Nov 6, 2022, **the percent positivity rate was 5.4%.**

Fig 1. Daily and Cumulative Confirmed and Probable COVID-19 cases in Fulton County, GA
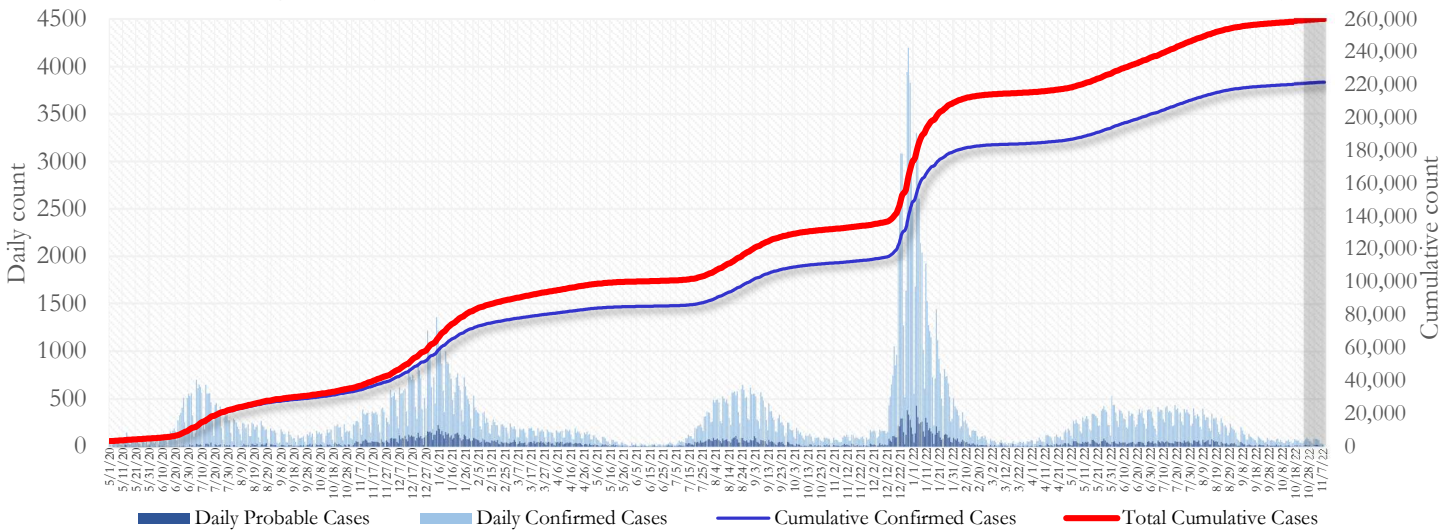
Counts shown reflect the number of cases as of 9:00 am on 11/09/22 using the date of first positive sample collection. Where date of sample collection was not available or missing, the date of report creation in GA SendSS was used instead. The Georgia Department of Public Health defines a confirmed cases 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: 42% of the new COVID-19 cases in the past 2 weeks occurred in Atlanta while 38% and 18% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative count	% New cases*
Atlanta	43.5%	41.6%
North[1]	32.9%	37.6%
South[2]	21.2%	17.9%
Unincorporated/Unknown	2.5%	2.9%

[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.*
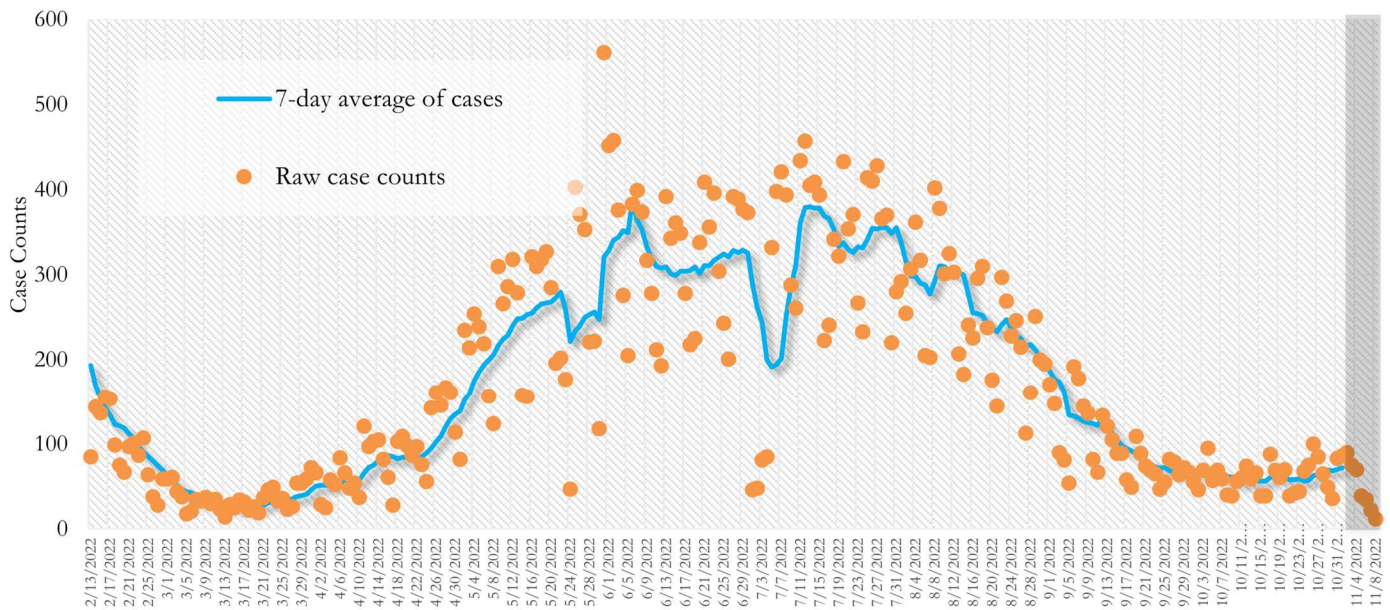
In the recent two week reporting period (10/20-11/2), there were more new cases of COVID-19 in Fulton County than the previous two weeks (10/6-10/19).
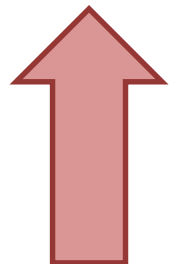
*Delayed a week to account for testing results turnaround time.*

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)
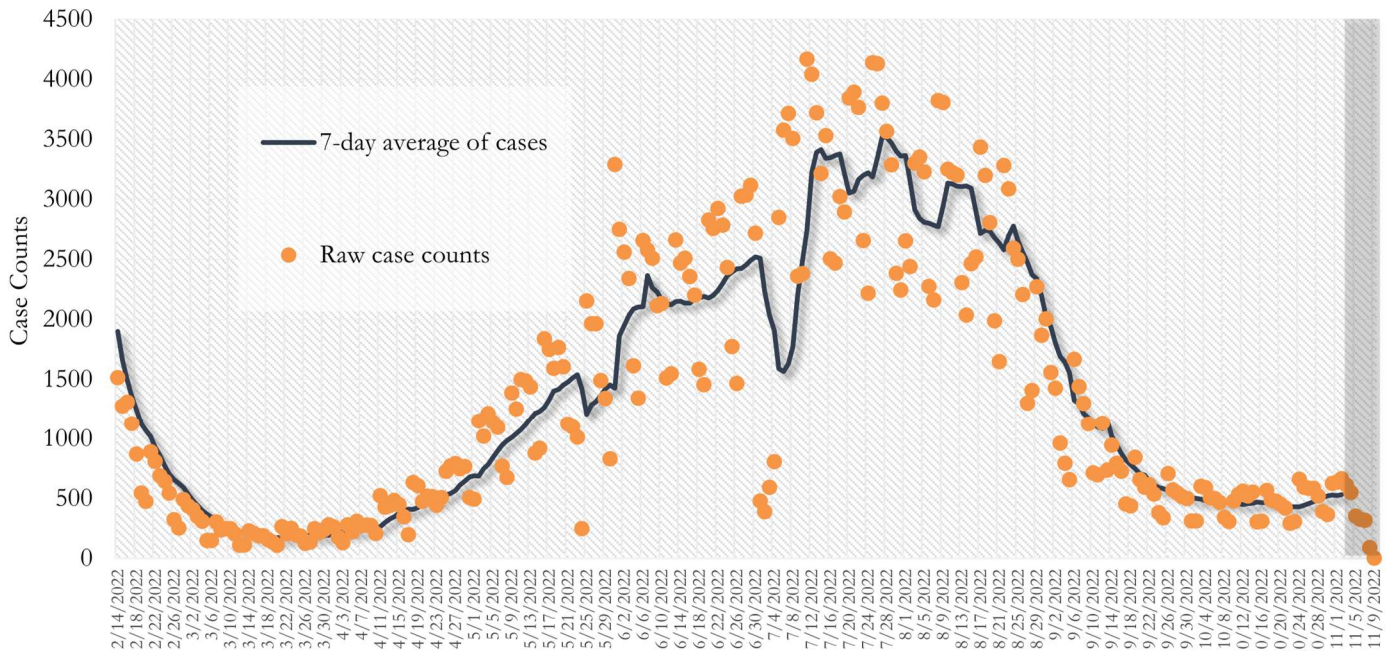
Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject to 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)
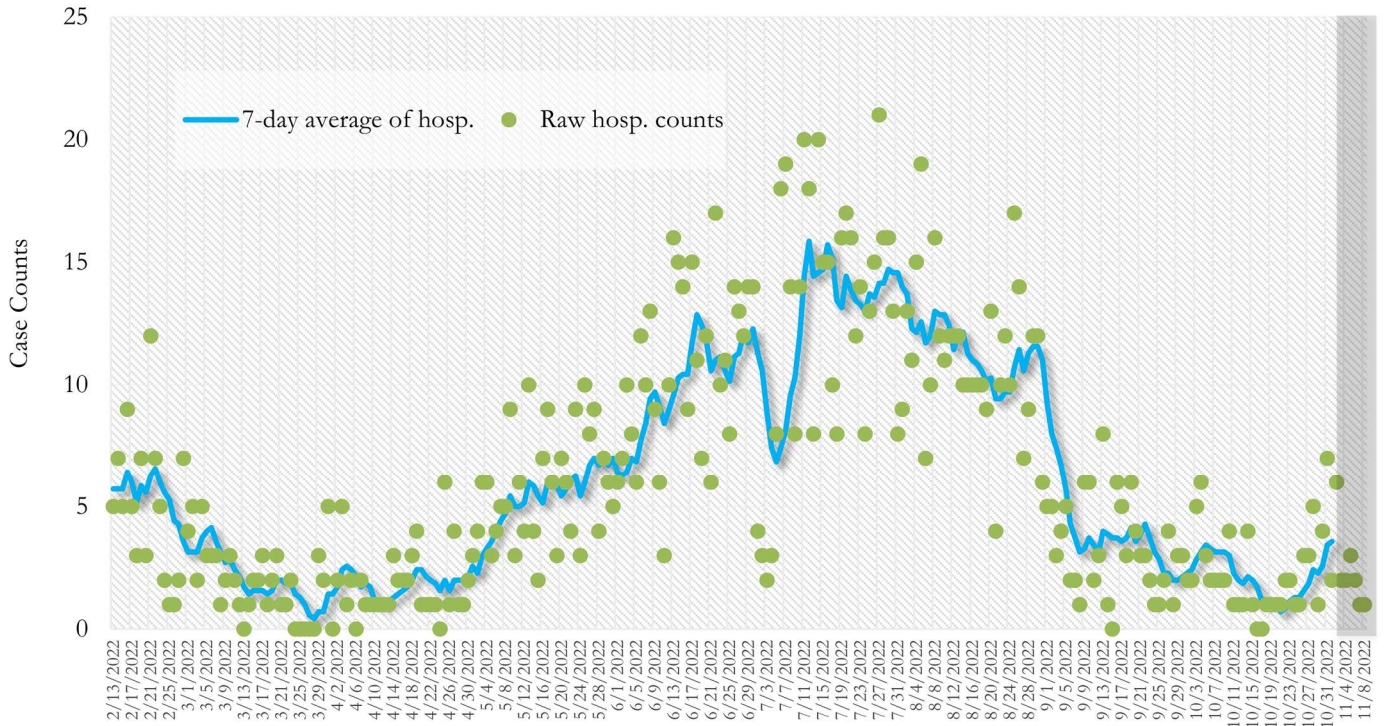
Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the state 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)
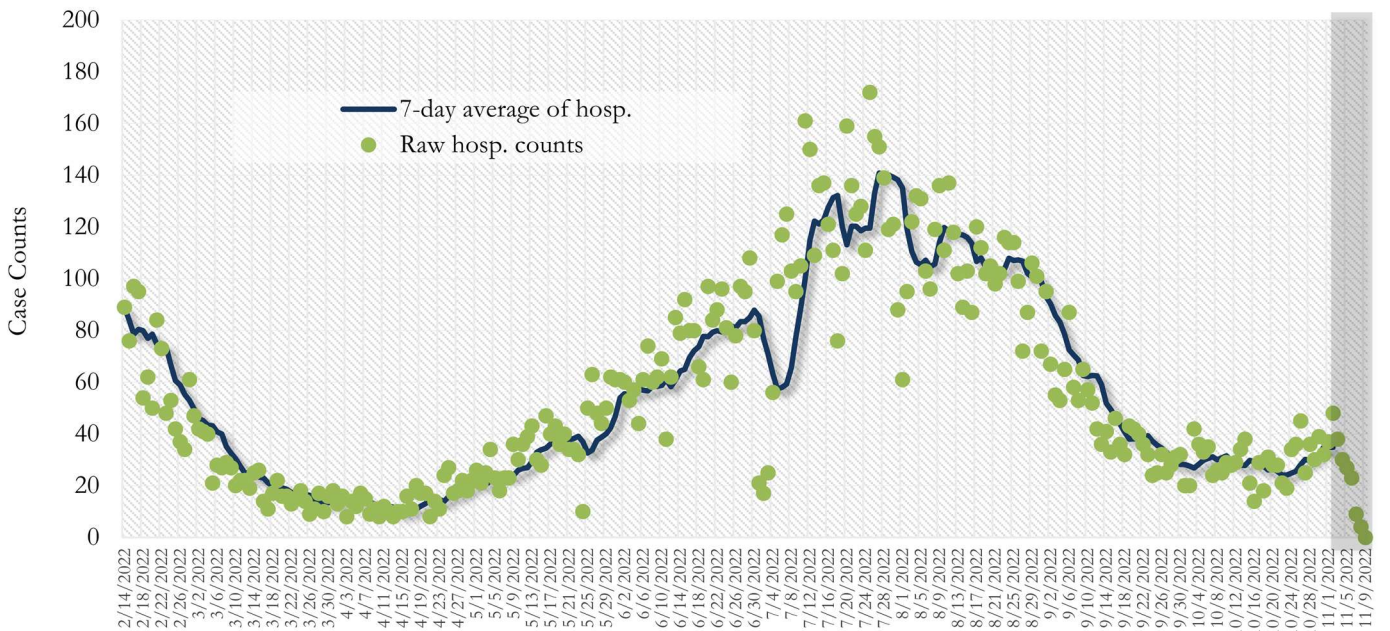
Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the state 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)
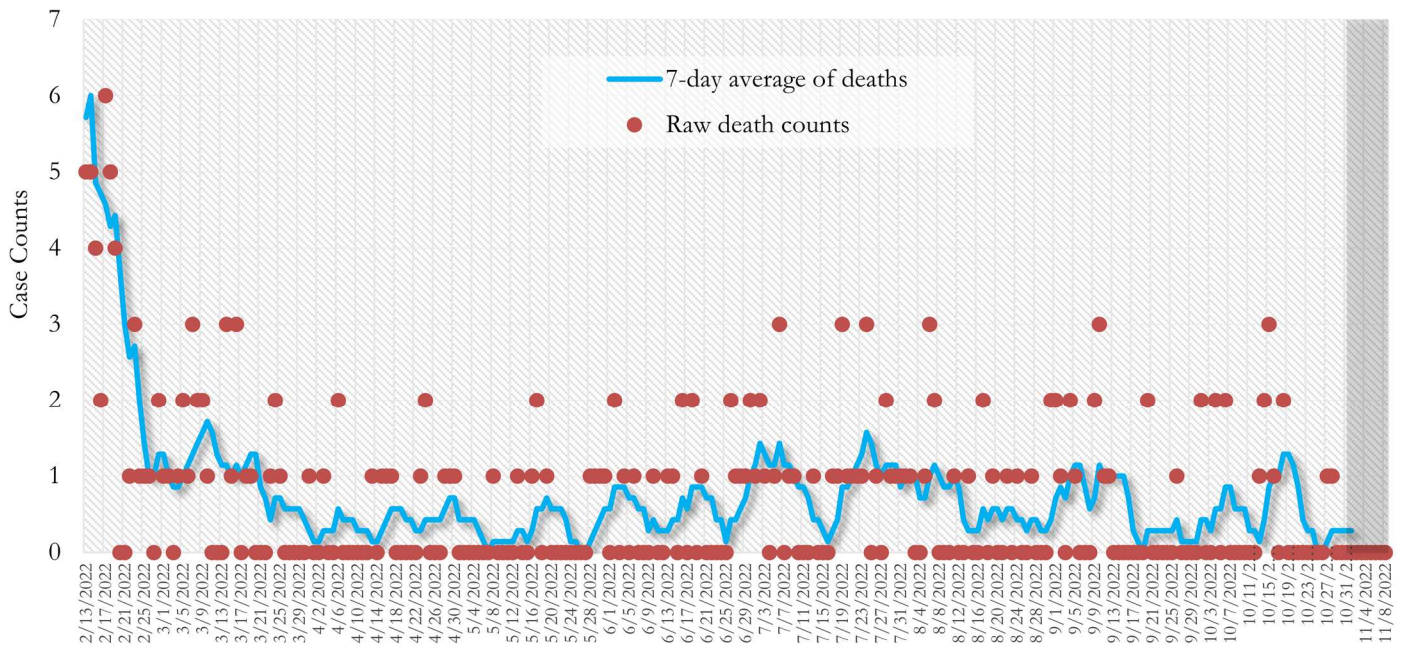
Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

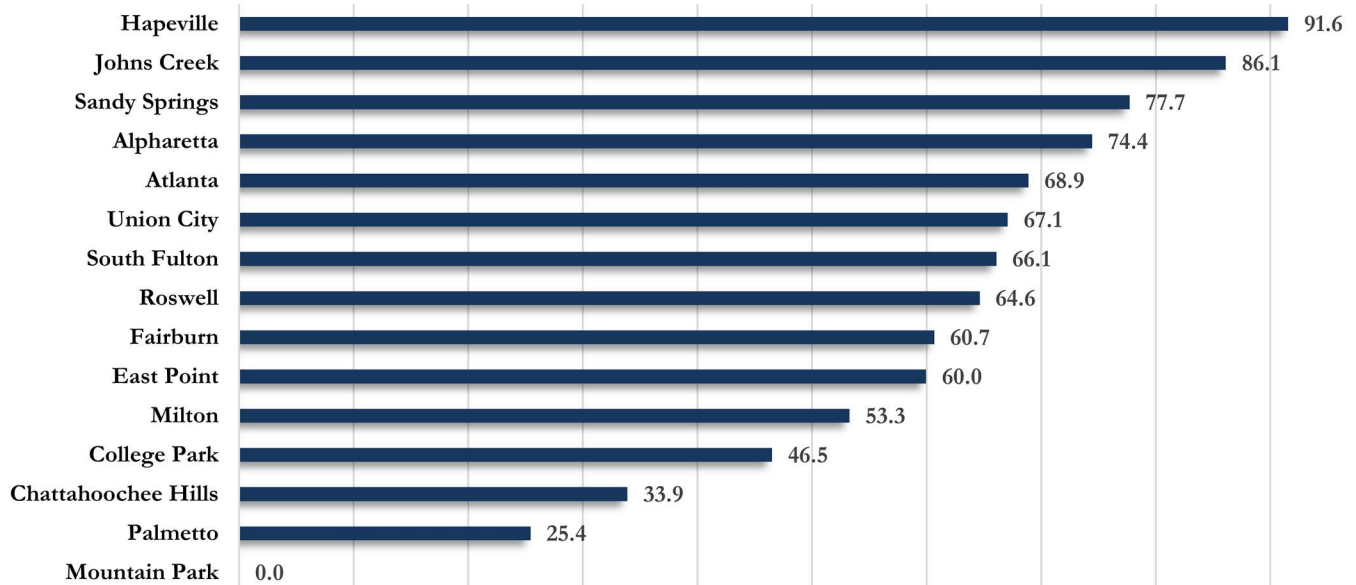## Fig. 7. COVID-19 Deaths in Georgia State Daily (Averaged over 7 days)
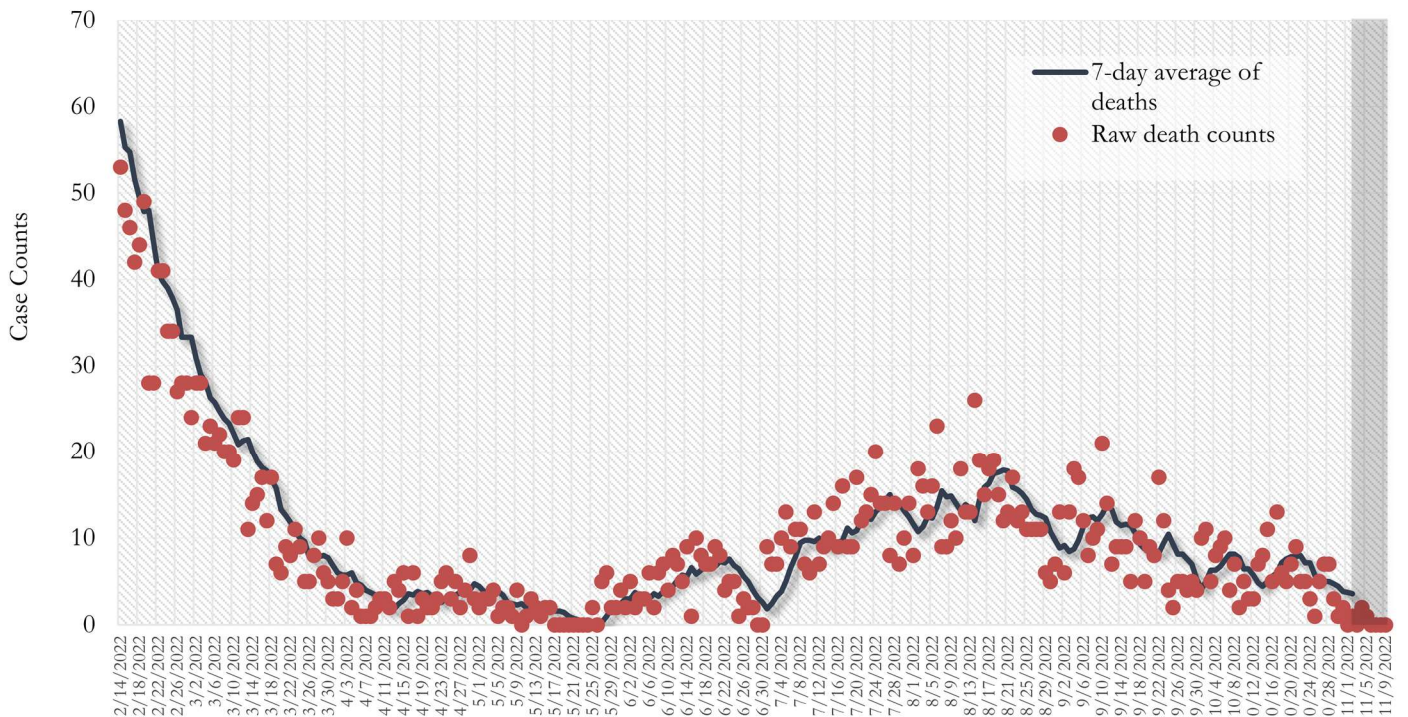
Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

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]
	10/20-11/3	*10/6-10/19*		
Alpharetta	49	35	↔	74.4
Atlanta	316	262	↑ 20.6%	68.9
Chattahoochee Hills	<10	<10	↓ 85.7%	33.9
College Park	<10	<10	↑ 50.0%	46.5
East Point	23	17	↑ 35.3%	60.0
Fairburn	10	<10	↑ 150.0%	60.7
Hapeville	<10	<10	↑ 100.0%	91.6
Johns Creek	71	68	↑ 4.4%	86.1
Milton	22	25	↓ 12.0%	53.3
Mountain Park	0	0	↔	0.0
Palmetto	<10	0	↔	25.4
Roswell	60	47	↑ 27.7%	64.6
Sandy Springs	84	64	↑ 31.3%	77.7
South Fulton	71	43	↑ 65.1%	66.1
Union City	18	<10	↑ 100.0%	67.1
Unknown	21	16	-	-

[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.* **Note:** ***All data reported are preliminary and subject to change****.*

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

City	Rate
Hapeville	91.6
Johns Creek	86.1
Sandy Springs	77.7
Alpharetta	74.4
Atlanta	68.9
Union City	67.1
South Fulton	66.1
Roswell	64.6
Fairburn	60.7
East Point	60.0
Milton	53.3
College Park	46.5
Chattahoochee Hills	33.9
Palmetto	25.4
Mountain Park	0.0

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

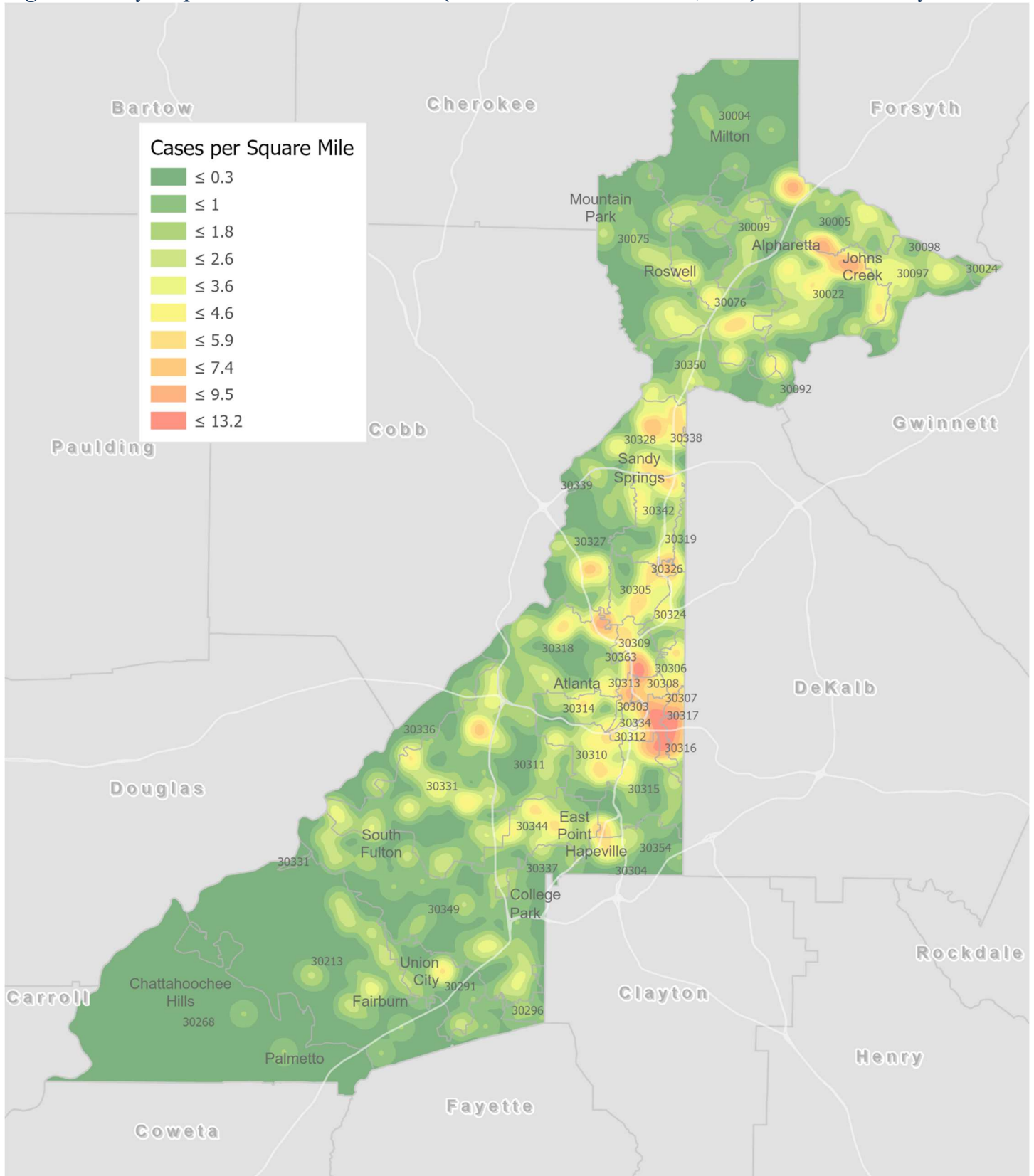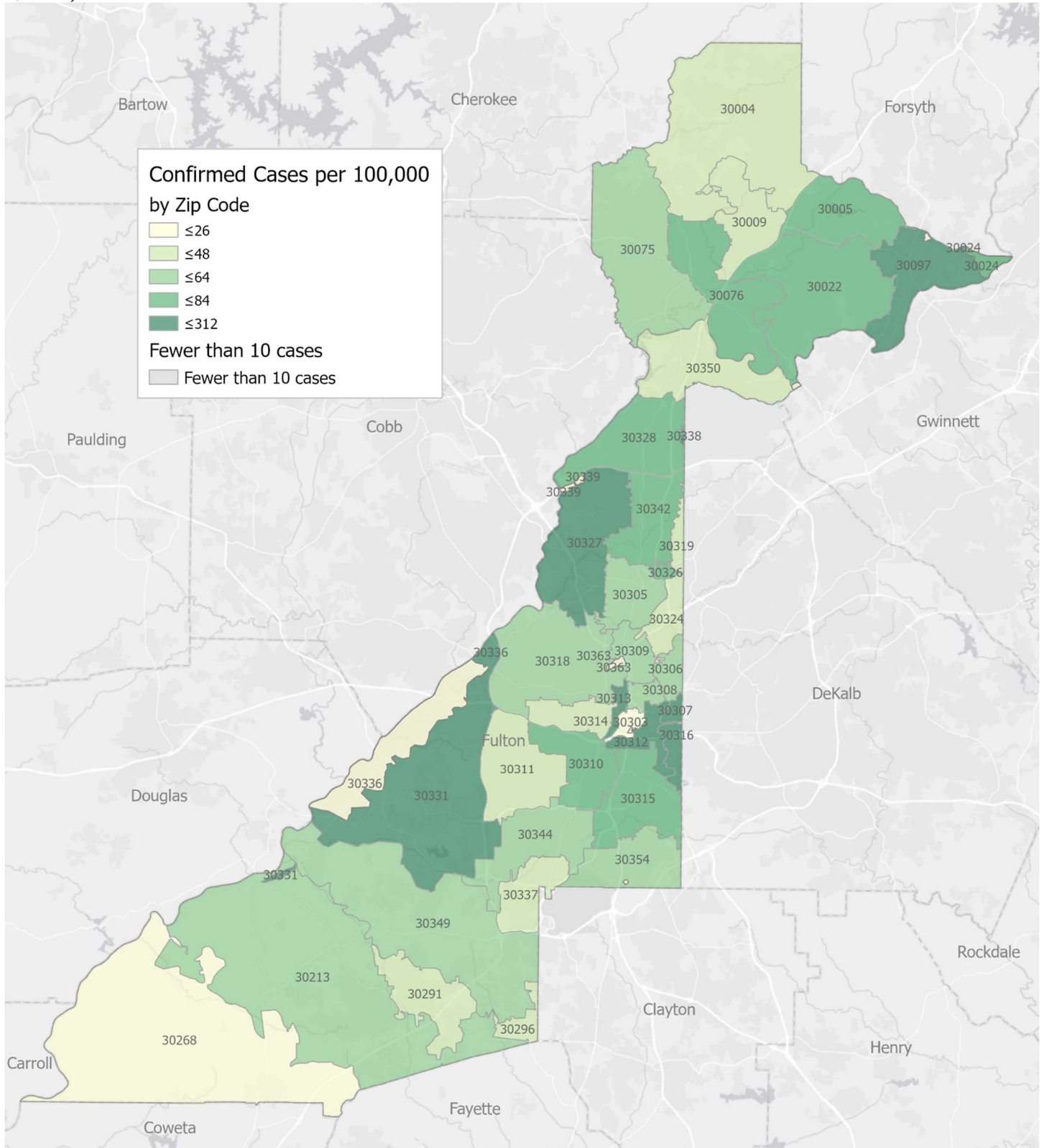**Fig. 9. Density Map – New COVID-19 Cases (October 20 – November 3, 2022) in Fulton County**

Fig. 10. New COVID-19 Diagnoses Rates (per 100,000 population) by Zip Code (October 20 – November 3, 2022)

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 (10/20–11/3)	Previous 14-day reporting period (10/6–10/19)	% Change between reporting periods[2]
All Fulton	**753**	**608**	↑ 23.8%
30004	27	36	↓ 25.0%
30005	27	15	↑ 80.0%
30009	10	<10	↑ 66.7%
30022	63	50	↑ 26.0%
30024	<10	<10	↔
30075	25	19	↑ 31.6%
30076	34	26	↑ 30.8%
30092	0	0	↔
30097	23	25	↓ 8.0%
30098	0	0	↔
30213	25	17	↑ 47.1%
30268	<10	<10	↔
30291	<10	11	↓ 18.2%
30296	<10	<10	↔
30303	<10	<10	↔
30305	19	31	↓ 38.7%
30306	<10	14	↓ 35.7%
30307	<10	<10	↔
30308	15	16	↓ 6.3%
30309	20	21	↓ 4.8%
30310	21	18	↑ 16.7%
30311	16	12	↑ 33.3%
30312	24	15	↑ 60.0%
30313	10	<10	↑ 233.3%
30314	10	<10	↑ 42.9%
30315	24	17	↑ 41.2%
30316	17	<10	↑ 88.9%
30317	<10	0	↔
30318	36	27	↑ 33.3%
30319	<10	<10	↔
30324	15	<10	↑ 87.5%
30326	<10	<10	↔
30327	24	20	↑ 20.0%
30328	41	29	↑ 41.4%
30331	59	28	↑ 110.7%
30334	0	0	↔
30336	0	<10	↓ 100.0%
30337	<10	<10	↔

Zip Code	Recent 14-day reporting period (10/20–11/3)	Previous 14-day reporting period (10/6–10/19)	% Change between reporting periods
30338	<10	0	↔
30339	<10	<10	↔
30340	0	0	↔
30341	0	0	↔
30342	27	26	↑ 3.8%
30344	19	19	↔
30349	33	24	↑ 37.5%
30350	15	13	↑ 15.4%
30354	<10	<10	↔
30358	0	0	↔
30363	<10	<10	↔
30606	0	0	↔
31131	0	0	↔
31150	0	0	↔
Unknown	<10	<10	↔

[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* <u>both</u> *2 week intervals are not reported.*

COVID-19 HOSPITALIZATIONS, ICU ADMISSIONS AND DEATHS IN FULTON

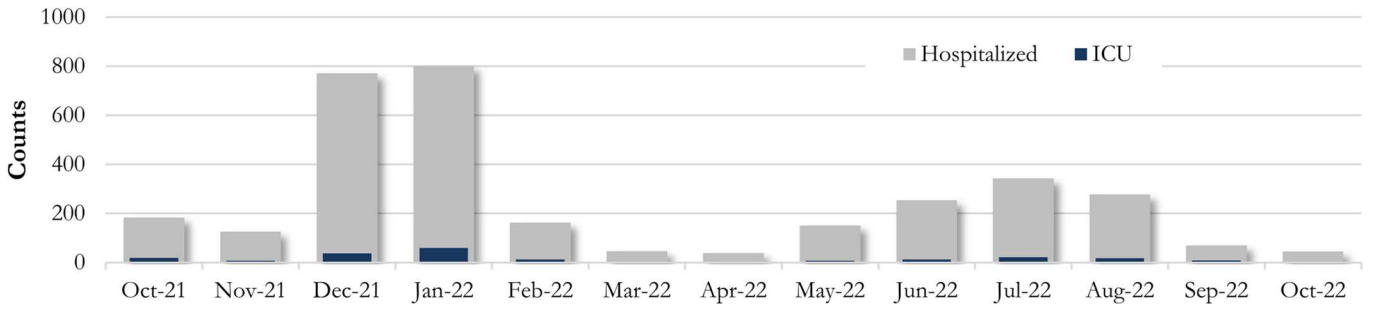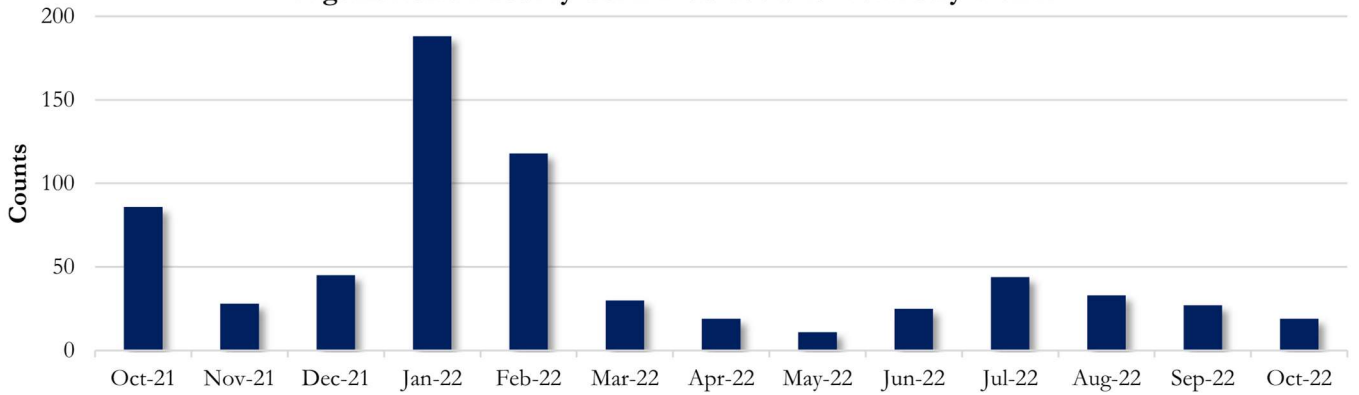**Fig. 11. Fulton County Covid-19 Cases Hospitalized and Admitted to ICU by Month**

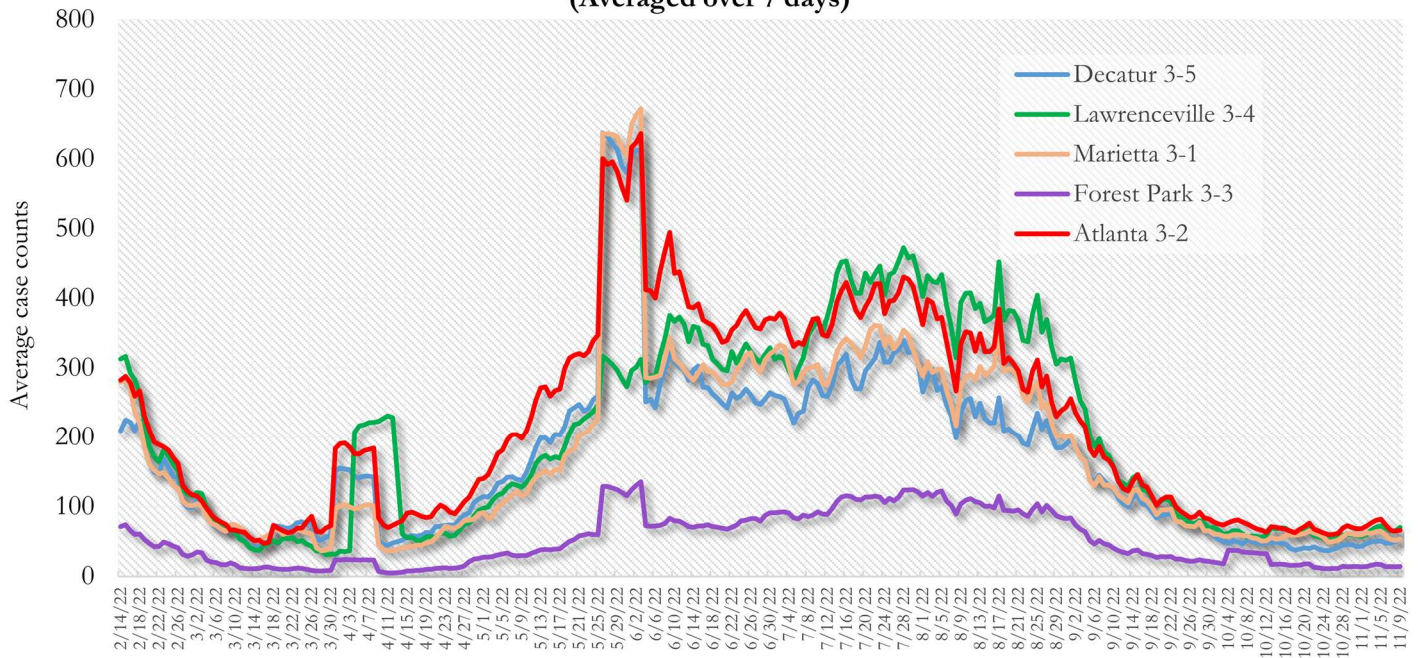**Fig. 12. Fulton County Confirmed Covid-19 Deaths by Month**

Values for September and October 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 October 1, 2021
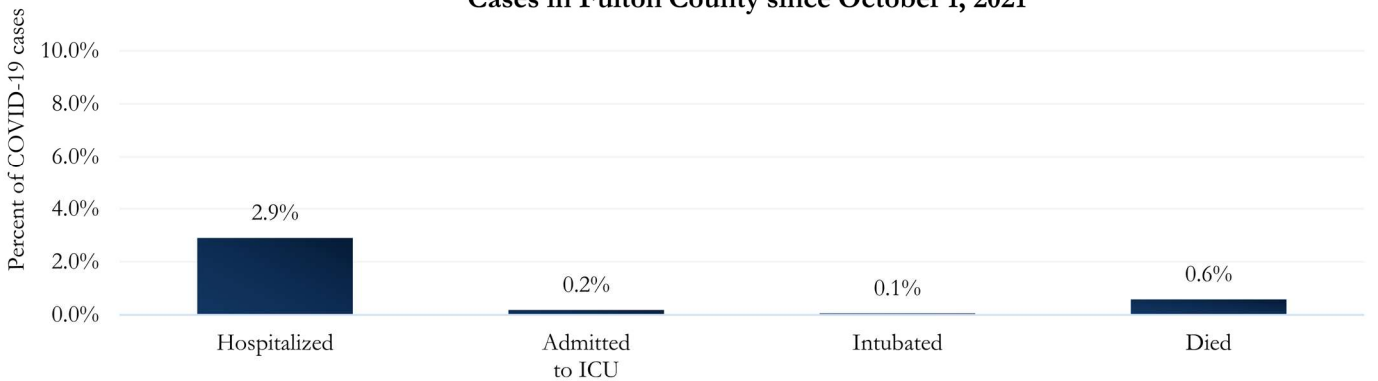
COVID-19 CASE TRENDS IN FULTON AND SURROUNDING DISTRICTS

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

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 October 6 – November 3, 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	**226611**		**1363**		**2305**		**<10**	
Female	124009	54.7%	779	57.2%	1097	47.6%	<10	46.7%
Male	101618	44.8%	574	42.1%	1208	52.4%	<10	53.3%
Unknown*	984	<1%	10	<1%	0	-	0	-
0-9	15909	7.0%	68	5.0%	0	-	0	-
10-19	25373	11.2%	58	4.3%	<10	<1%	0	-
20-29	45935	20.3%	188	13.8%	<10	<1%	0	-
30-39	44020	19.4%	224	16.4%	67	2.9%	0	-
40-49	34045	15.0%	207	15.2%	84	3.6%	0	-
50-59	28607	12.6%	199	14.6%	240	10.4%	<10	6.7%
60-69	17736	7.8%	189	13.9%	457	19.8%	<10	33.3%
≥70	14782	6.5%	229	16.8%	1447	62.8%	<10	60.0%
Unknown*	204	<1%	<10	<1%	0	-	0	-
Asian, NH	12958	5.7%	138	10.1%	35	1.5%	0	-
Black, NH	98447	43.4%	455	33.4%	1458	63.3%	<10	60.0%
White, NH	69639	30.7%	448	32.9%	710	30.8%	<10	40.0%
Hispanic, all races	21807	9.6%	104	7.6%	93	4.0%	0	-
Other, NH	6323	2.8%	31	2.3%	<10	<1%	0	-
Unknown*	17437	7.7%	187	13.7%	0	-	0	-

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.

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 October 10 – November 6, 2022
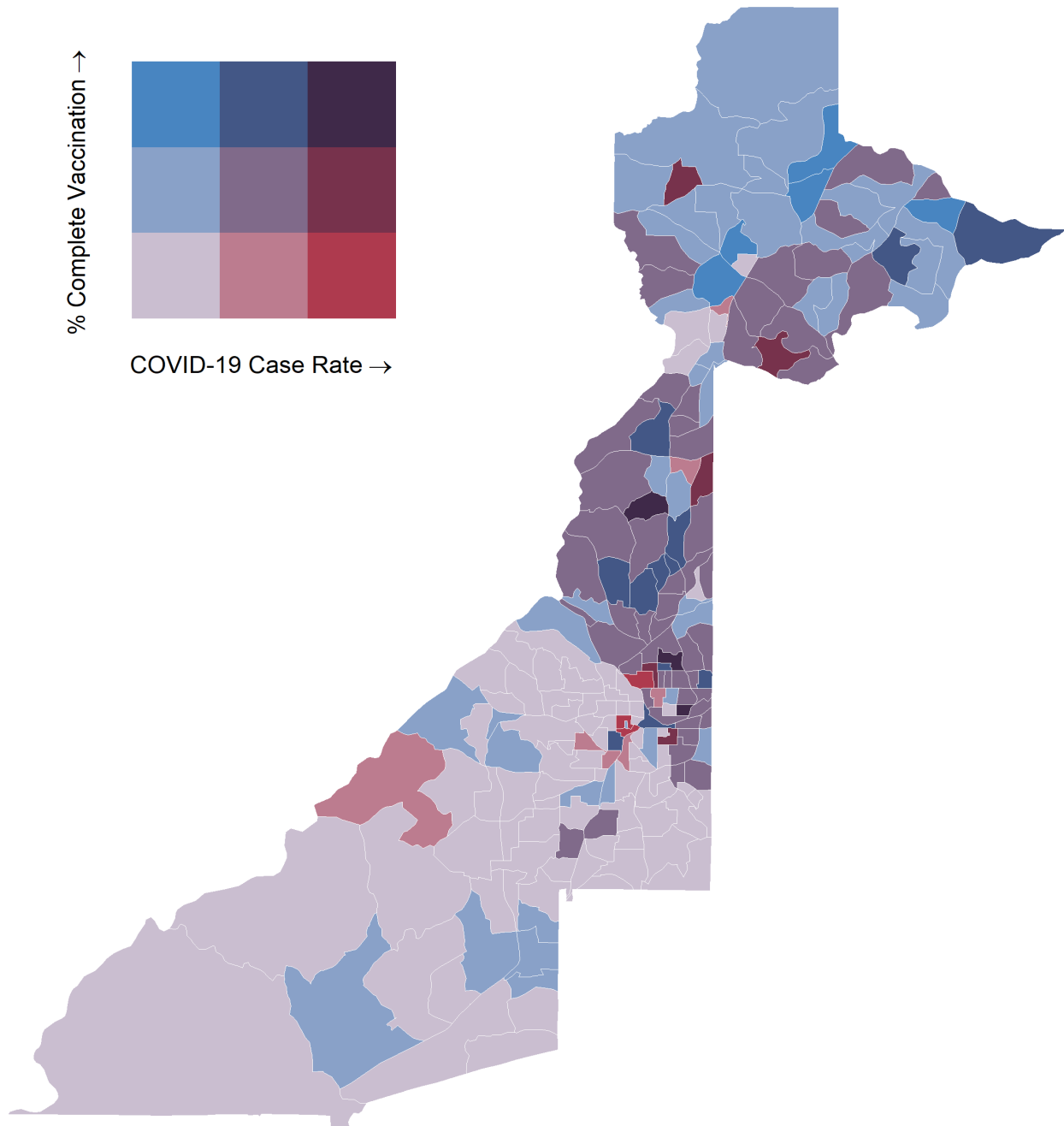
How to interpret these colors: The brighter the blue, the better. The upper most blue box indicates low COVID-19 case rates and high vaccination coverage. Red is not ideal as red indicates high COVID-19 case rates and low vaccination coverage. Colors in between indicate varying combinations of COVID-19 case rates and vaccination coverage. COVID-19 case rate reflects new COVID-19 cases diagnosed 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
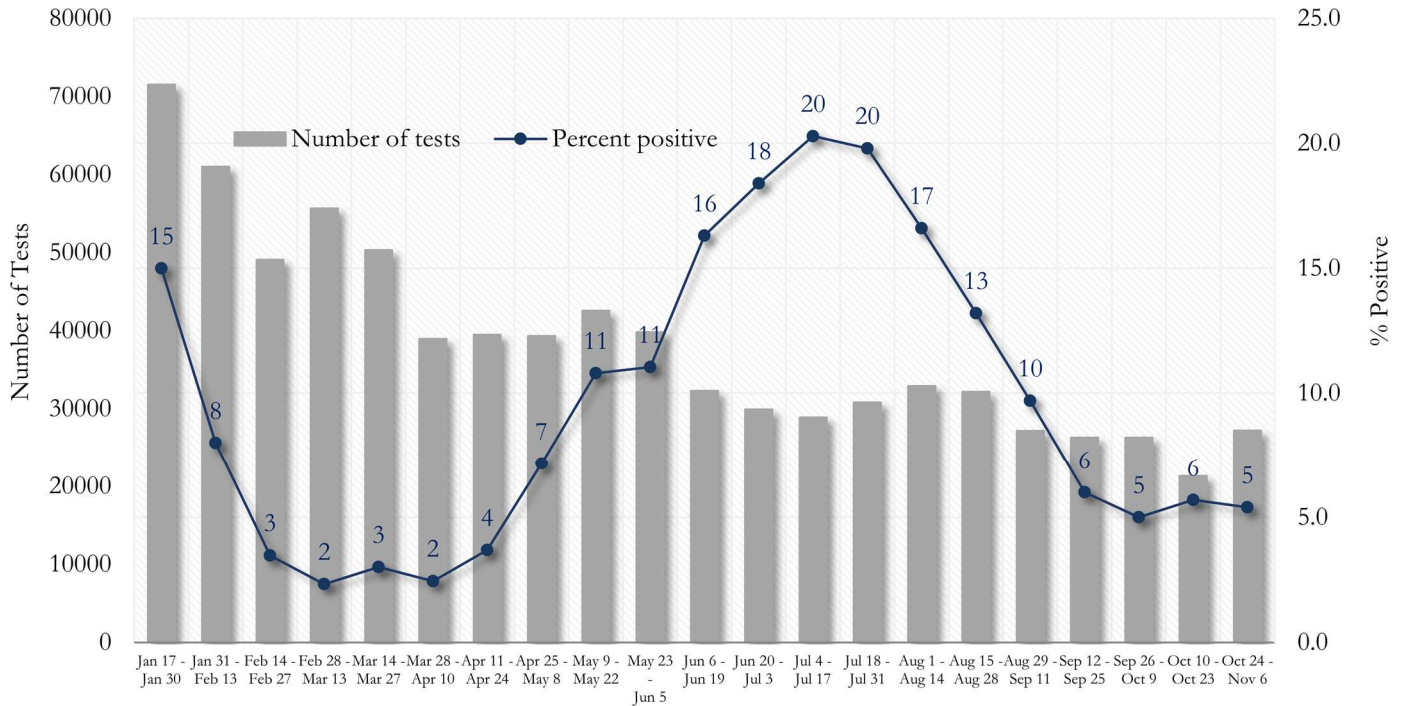
*Data on Polymerase Chain Reaction (PCR) tests only included. Table unable to be updated this week.

Fig. 17. Trends in Positive Covid-19 Tests in Georgia by 14-day Periods
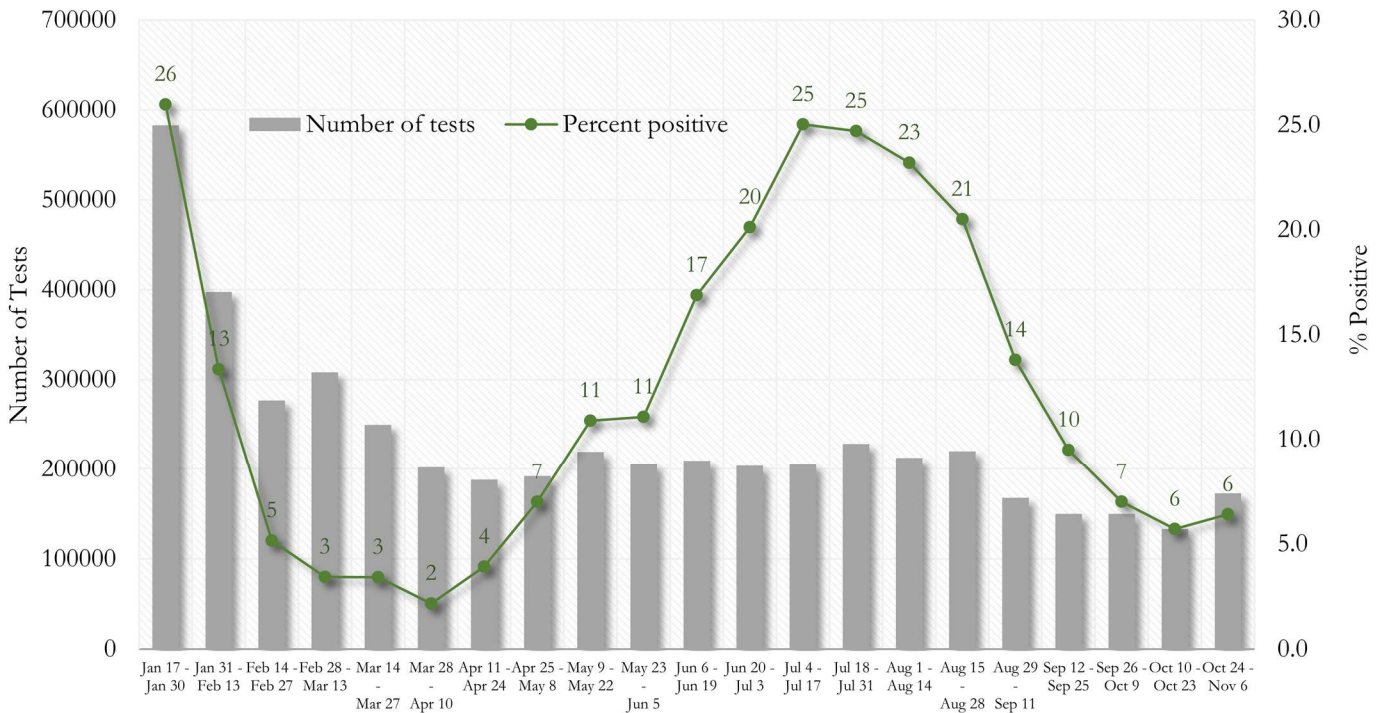
*Data on Polymerase Chain Reaction (PCR) tests only included. Table unable to be updated this week.

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
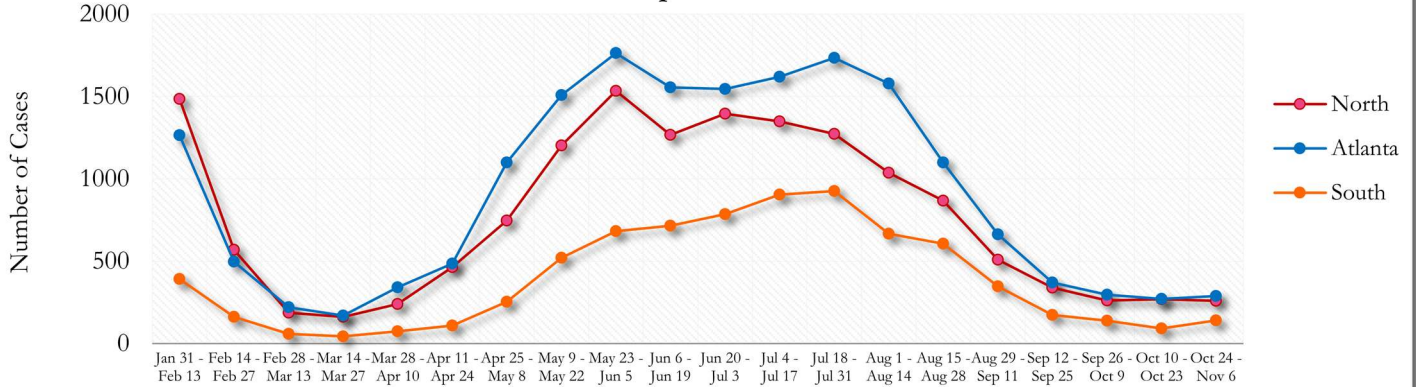
In the past two weeks, Atlanta accounted for the majority of new cases.
*North -Includes all Fulton cities north of Atlanta (Alpharetta, Johns Creek, Milton, Mountain Park, Roswell, Sandy Springs)
*South - Includes all Fulton cities south of Atlanta (Chattahoochee Hills, College Park, East Point, Fairburn, Hapeville, Palmetto, South Fulton, and Union City)

Fig. 19. Trends in Racial Distribution of Covid-19 Cases in Fulton County by 14-day periods
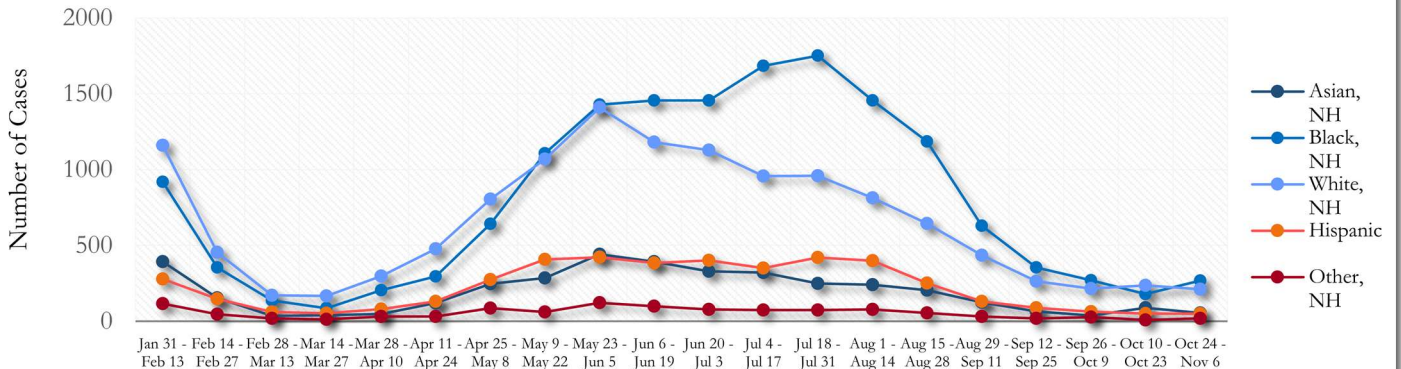
Fig. 20. Racial Distribution of Covid-19 Cases in Fulton County by 14-day periods
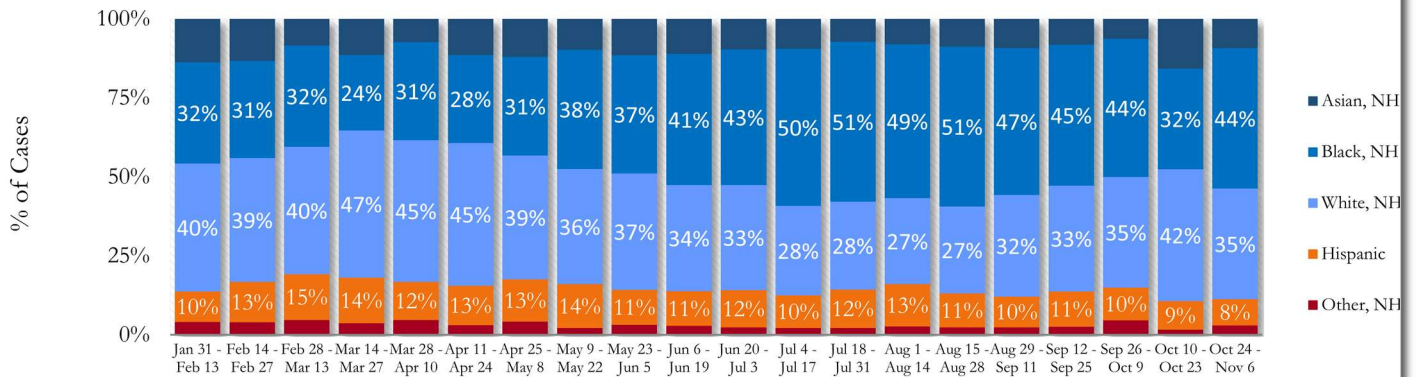
About 8% of all Fulton County COVID cases are missing data on patient race and ethnicity and in the past two weeks, about 14% of cases are missing this data. Percentages do not include the missing data and thus are subject to change as data are cleaned.

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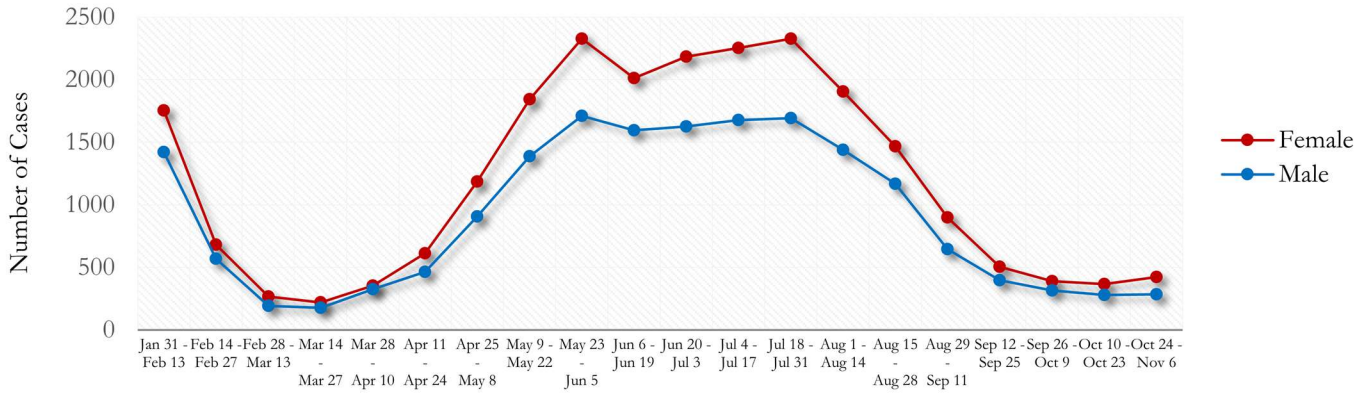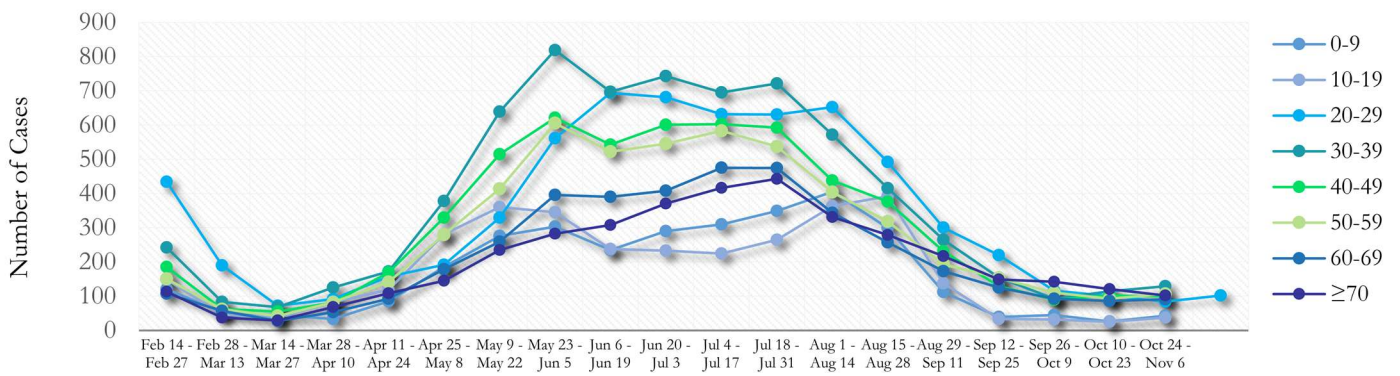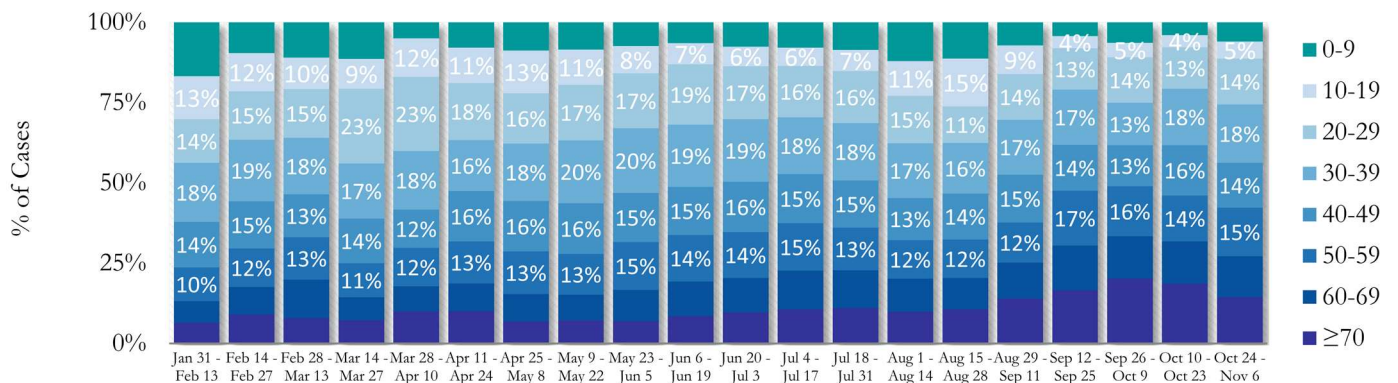

Fig. 22. Trends in Age Distribution of Covid-19 Cases in Fulton County by 14-day periods

In the most recent two weeks, 50-59 year olds and ≥70 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.

FULTON COUNTY VACCINATION CASE DATA

There are currently **358,946 fully vaccinated plus boosted residents** in Fulton County, of which **6% have been a confirmed case of Covid-19 since 12/31/20.** There are **306,385 fully vaccinated but not boosted residents** in Fulton County, of which **12% have been a confirmed case of Covid-19 since 12/31/20.** Of the **370,869 partially vaccinated or unvaccinated** Fulton County residents, **29% have been a confirmed case of Covid-19 since 12/31/20.**

Since July 1, 2021, Fulton County has reported **168,327 new confirmed Covid-19 cases**. **66%** (108,834) of these new cases occurred in **unvaccinated individuals. 34%** (59,493) of these new cases occurred in **fully vaccinated individuals.**

Fig. 24. Daily Confirmed Covid-19 Cases in Fulton County by Vaccination Status

Legend: Fully Vaccinated With Booster | Fully Vaccinated Without Booster | Unvaccinated | Cumulative Total
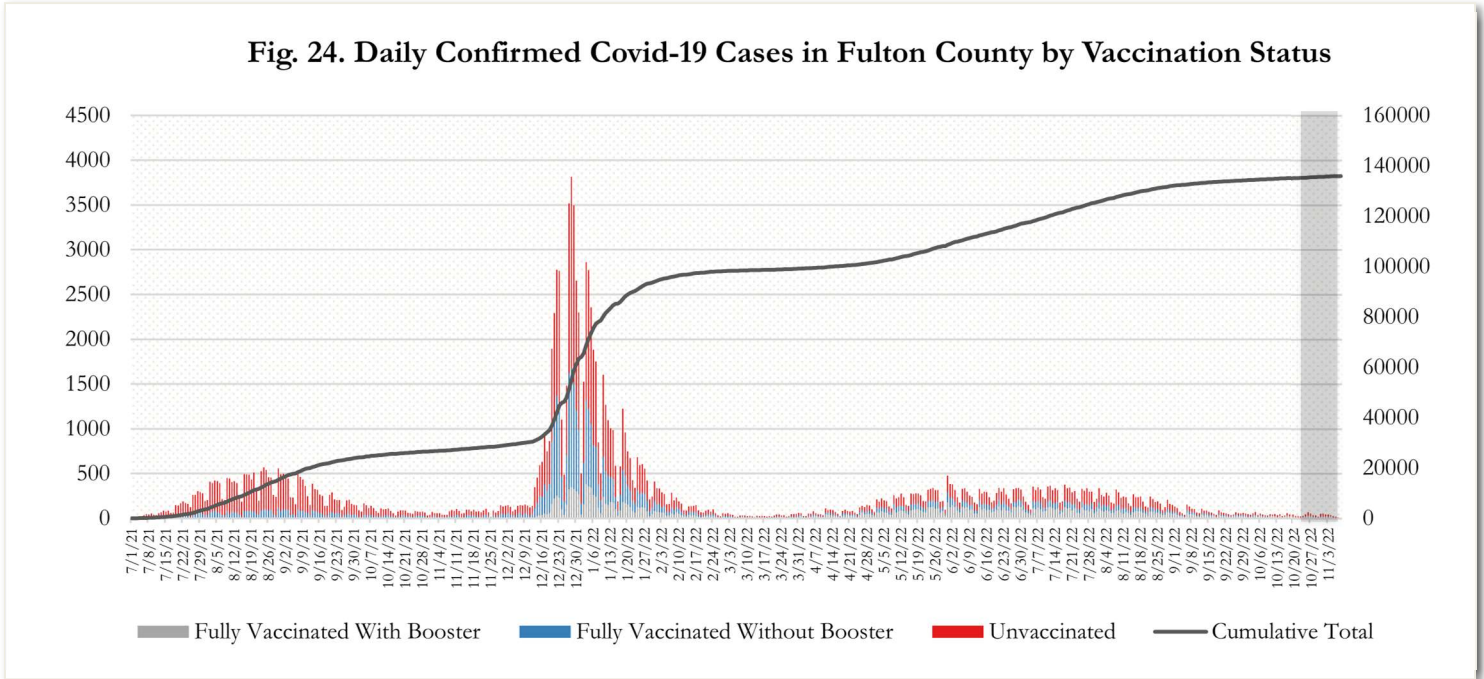
Fully vaccinated without booster includes those who are not yet eligible for a booster due to age or date of receiving their primary series.

CASE COUNTS AND RATES BY VACCINATION AND BOOSTER STATUS

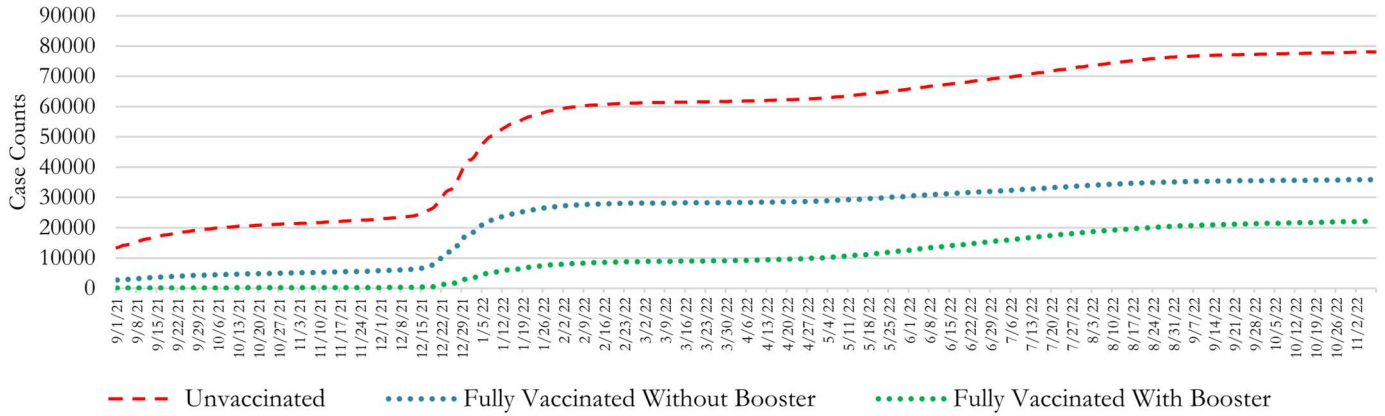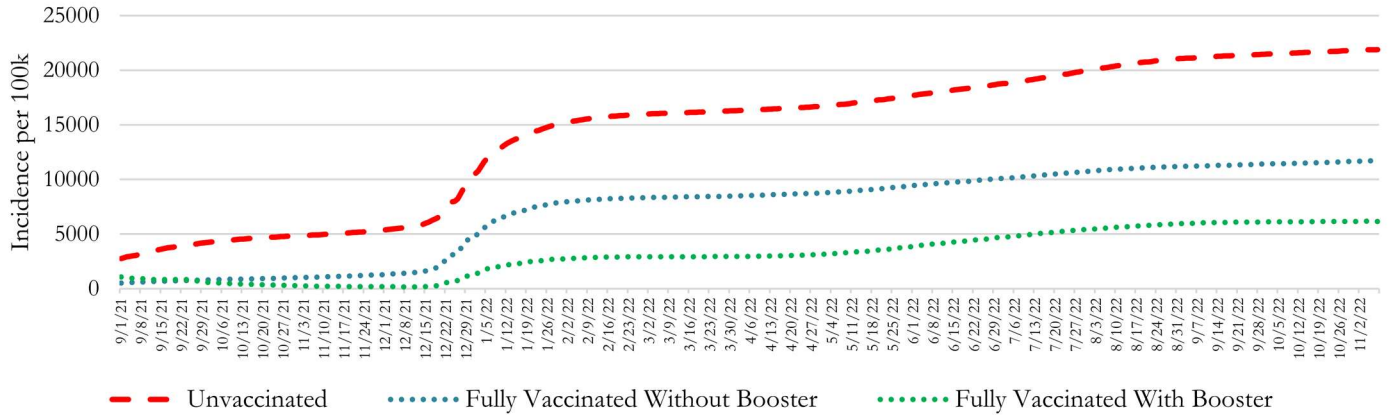**Fig. 25. Fulton County Cumulative Case Counts of Covid-19 by Vaccination and Booster Status**
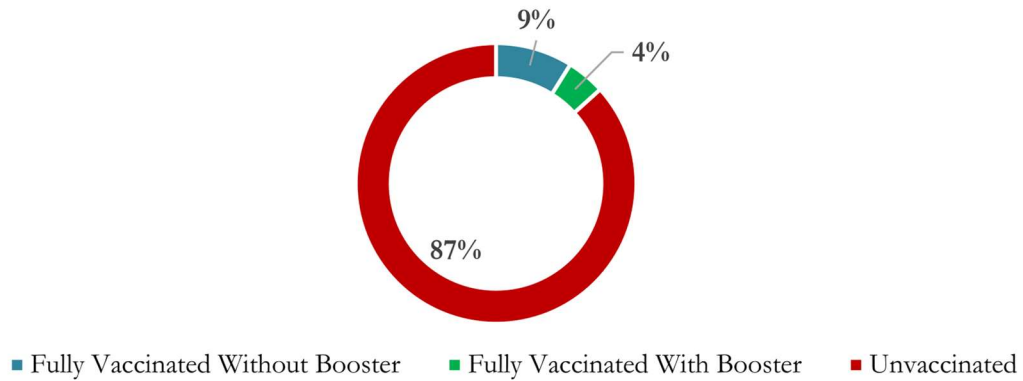

Fig. 26. Fulton County Cumulative Incidence Rates of Covid-19 by Vaccination and Booster Status

SEVERE OUTCOMES BY VACCINATION STATUS

Fig. 27. Confirmed Cases Hospitalized for Any Reason by Vaccination Status

9%

4%

87%

- 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. 28. Confirmed Covid-19 Deaths by Vaccination Status

8%

4%

88%

- Fully Vaccinated
- Fully Vaccinated With Booster
- Unvaccinated
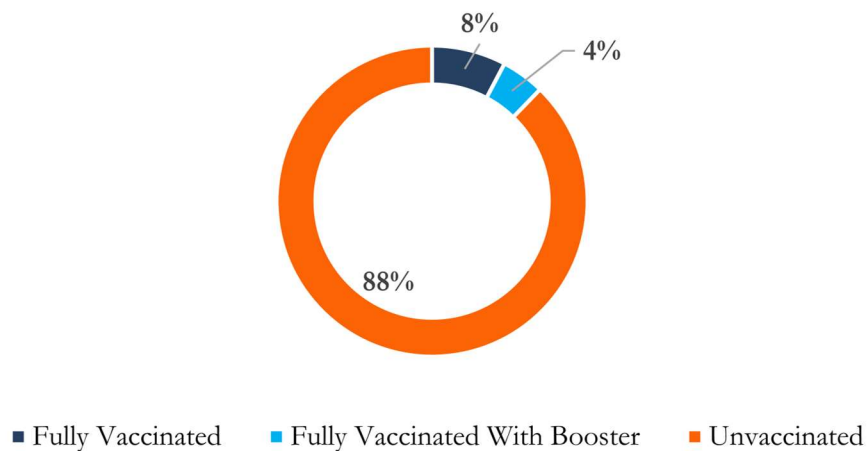
Of the 12**%** of deaths that occurred in vaccinated individuals, **91% were over the age of 60.** Of that, **80% were over the age of 70.**