Fulton County Board of Health Epidemiology Report
## COVID-19 Cases – 10/13/2022

SUMMARY

- As of Oct. 13, 22, Fulton County has recorded **225,079 confirmed cases** and **38,055 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 Oct. 13, 22, Fulton County has recorded **2,273 confirmed COVID-19 deaths.** 0 deaths are currently under review by GA DPH to confirm cause of death.
- By city, new confirmed COVID-19 case rates range from 25.4 per 100,000 persons (Palmetto) to 86.0 per 100,000 persons East Point). **[Fulton County Diagnoses Rates (per 100,000 persons): Cumulative – 21030.8; Incidence – 69.6**]. See map showing incident case rate by ZIP code on Pg.7.
- Of all PCR testing done in Fulton County between Sep 26 and Oct 9, 2022, **the percent positivity rate was 5.3%.**

Fig 1. Daily and Cumulative Confirmed and Probable COVID-19 cases in Fulton County, GA
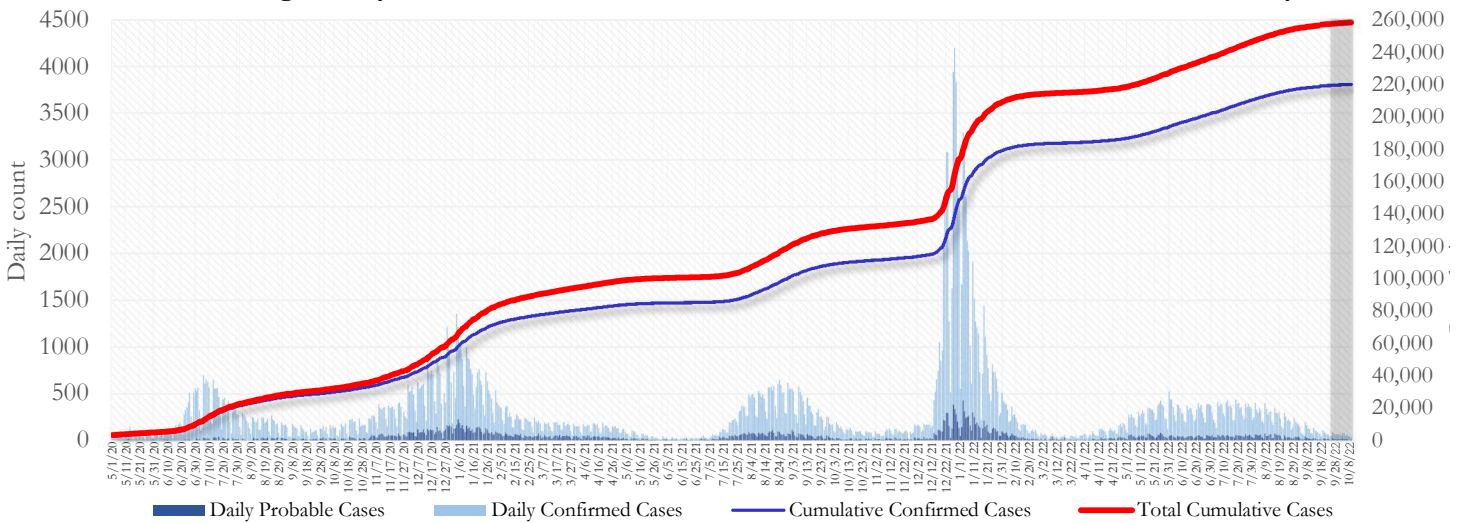
Counts shown reflect the number of cases as of 9:00 am on 10/12/22 using the date of first positive sample collection. Where date of sample collection was not available or missing, the date of report creation in GA SendSS was used instead. The Georgia Department of Public Health defines a confirmed cases 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: 41% of the new COVID-19 cases in the past 2 weeks occurred in Atlanta while 37% and 21% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative count	% New cases*
Atlanta	43.5%	41.0%
North[1]	32.9%	37.1%
South[2]	21.2%	20.5%
Unincorporated/Unknown	2.5%	1.4%

[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 9/22/22 – 10/6/22).

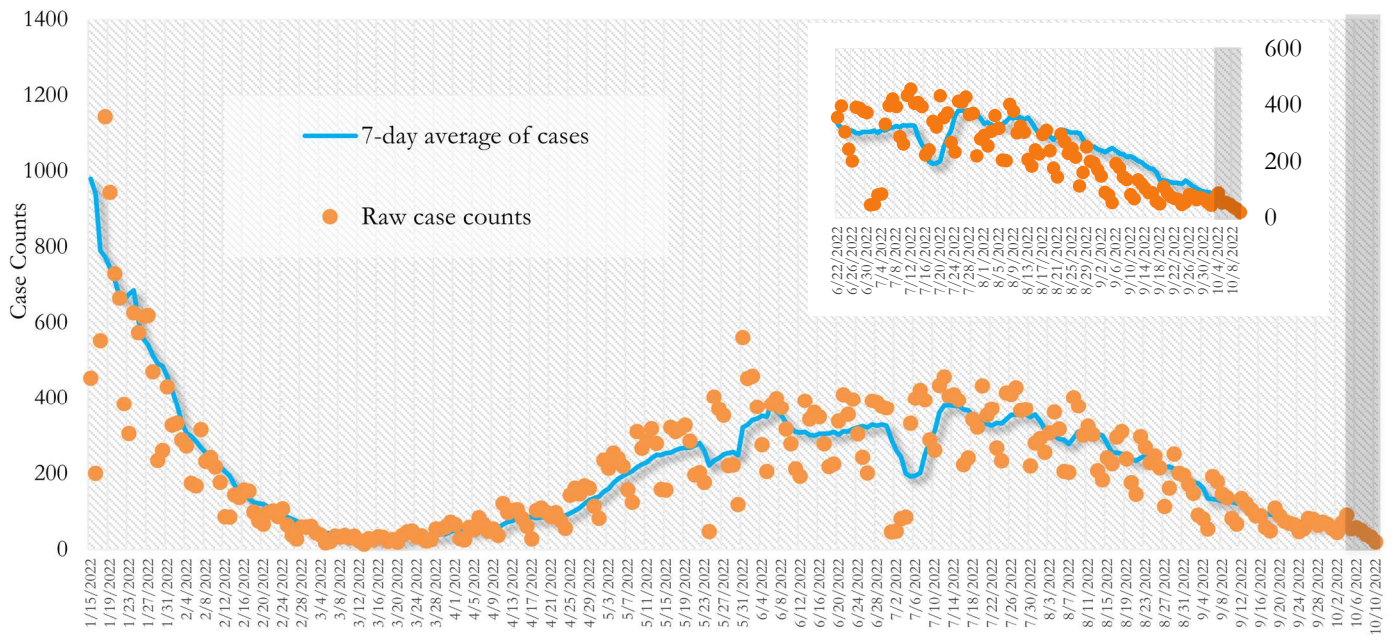**In the recent two week reporting period (9/22-10/6), there were fewer new cases of COVID-19 in Fulton County than the previous two weeks (9/9-9/21).**

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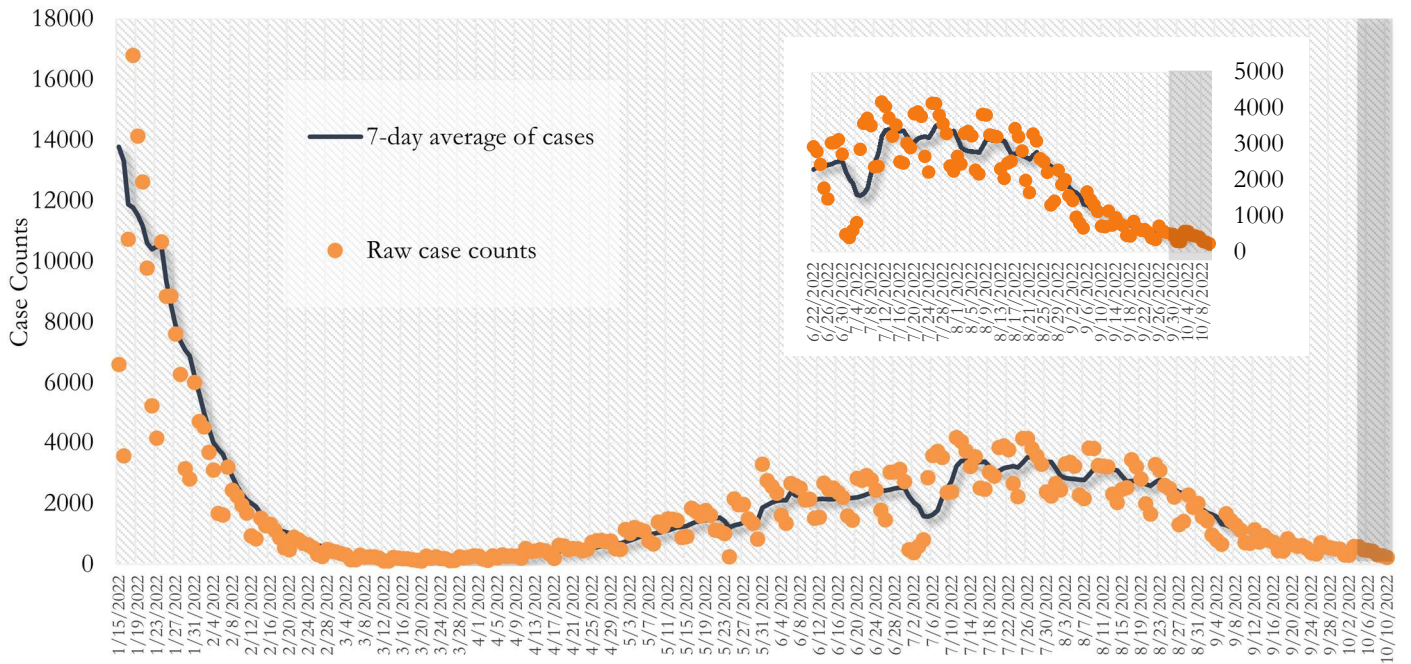
Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject to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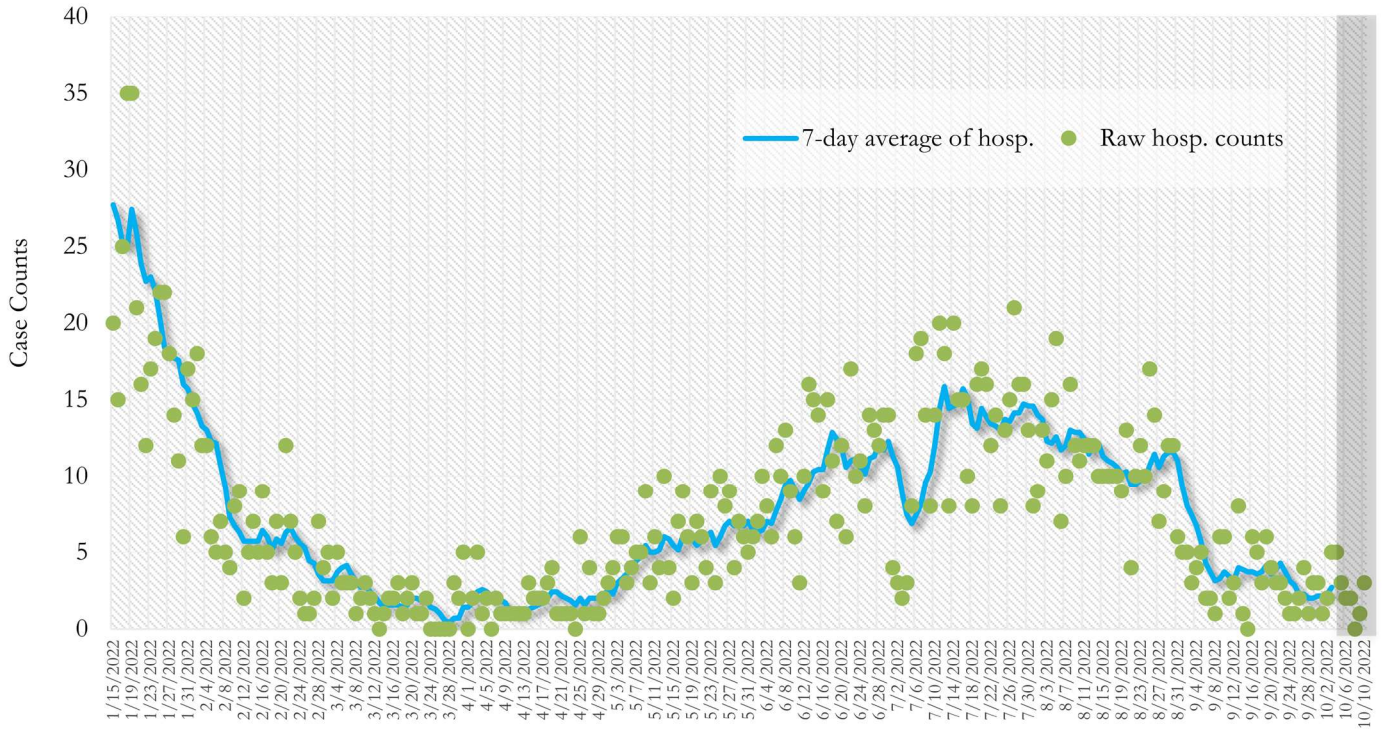
*Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the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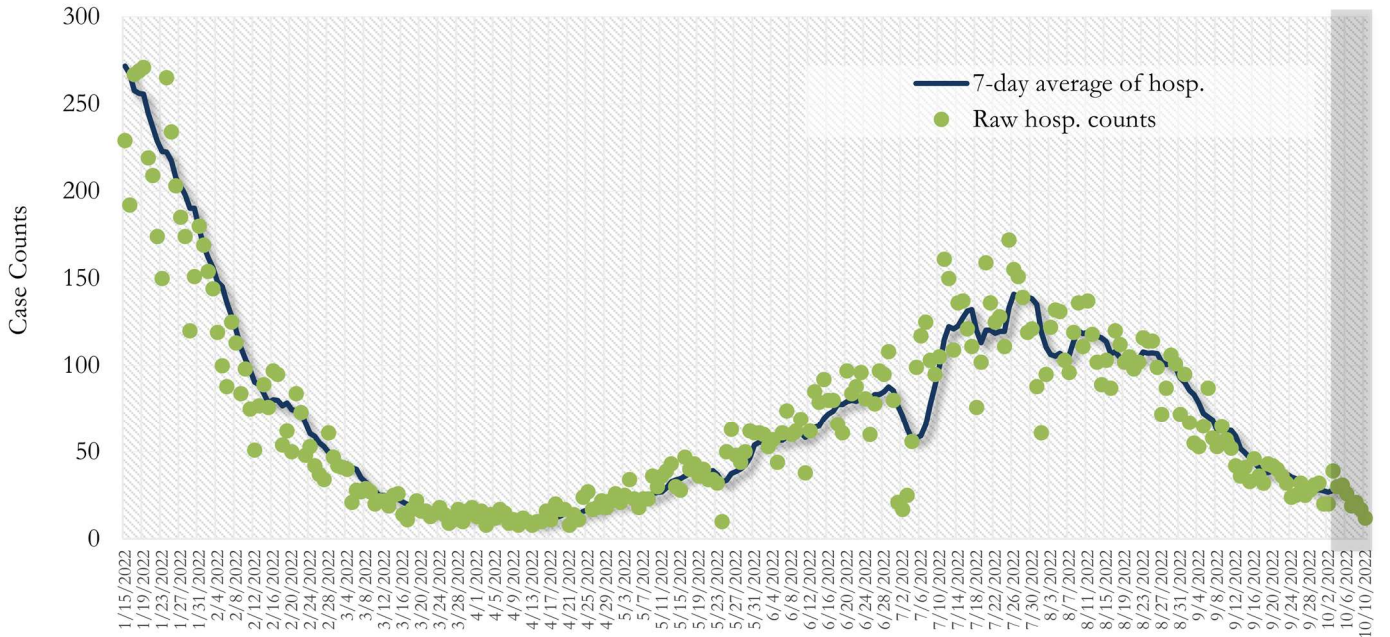
*Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the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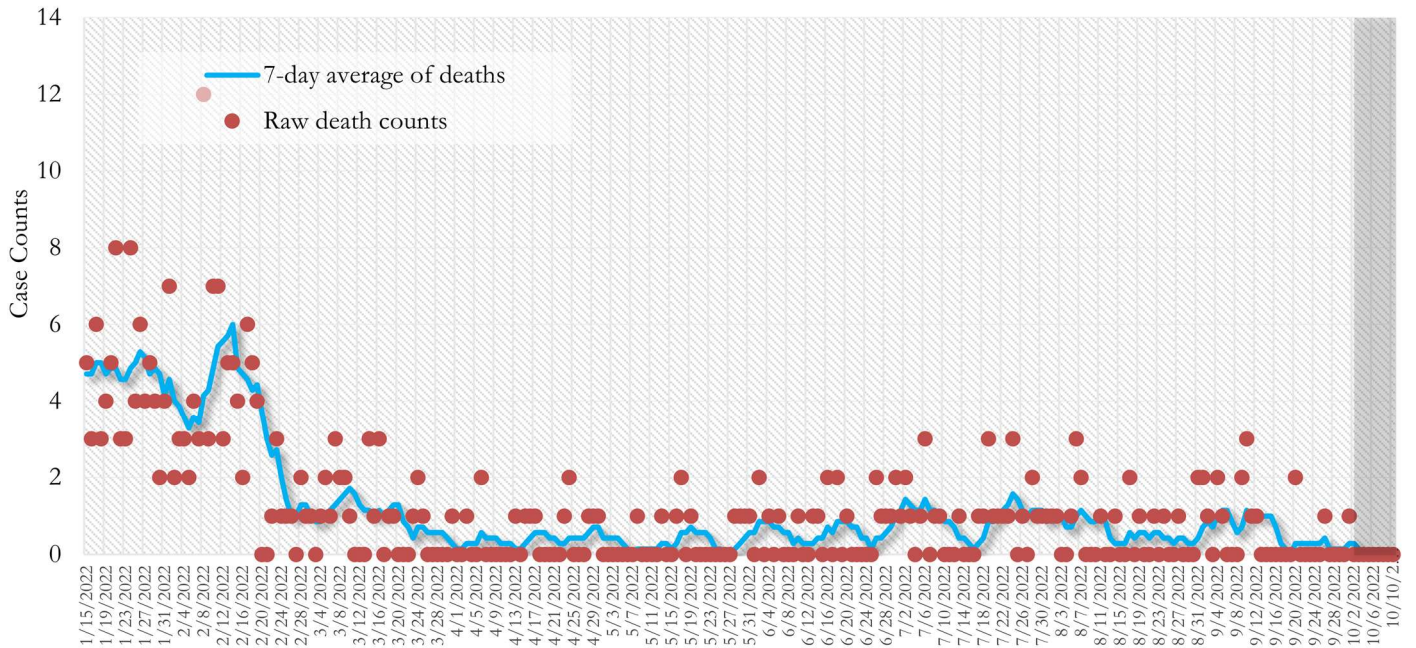
Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

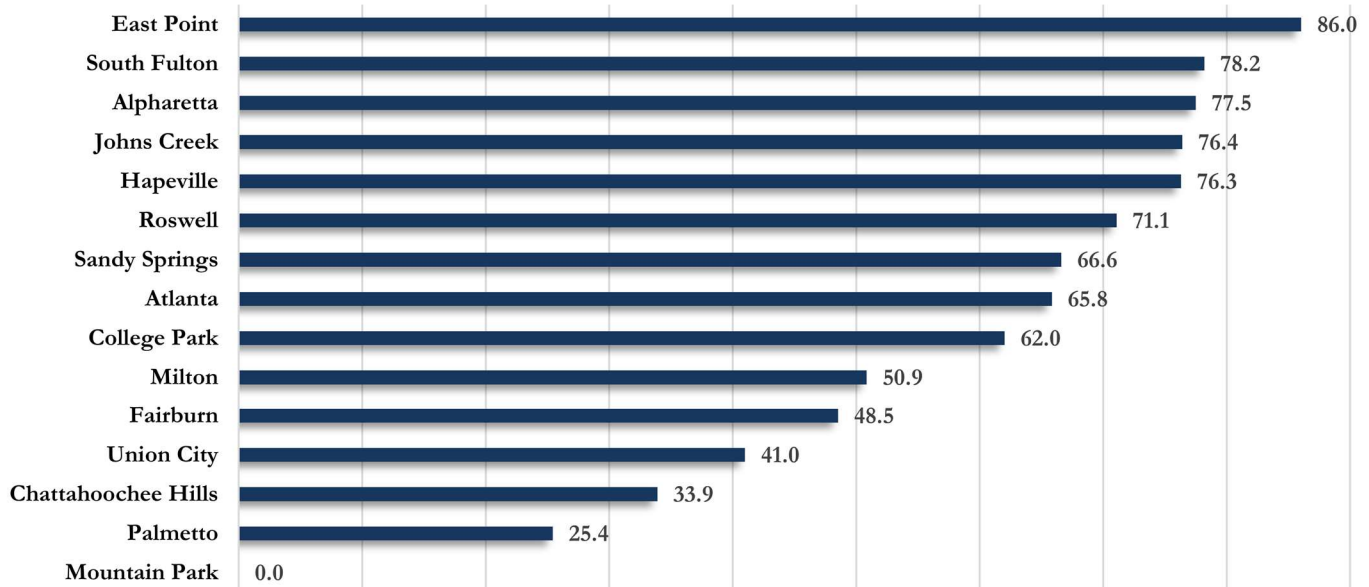## Fig. 7. COVID-19 Deaths in Georgia State Daily (Averaged over 7 days)
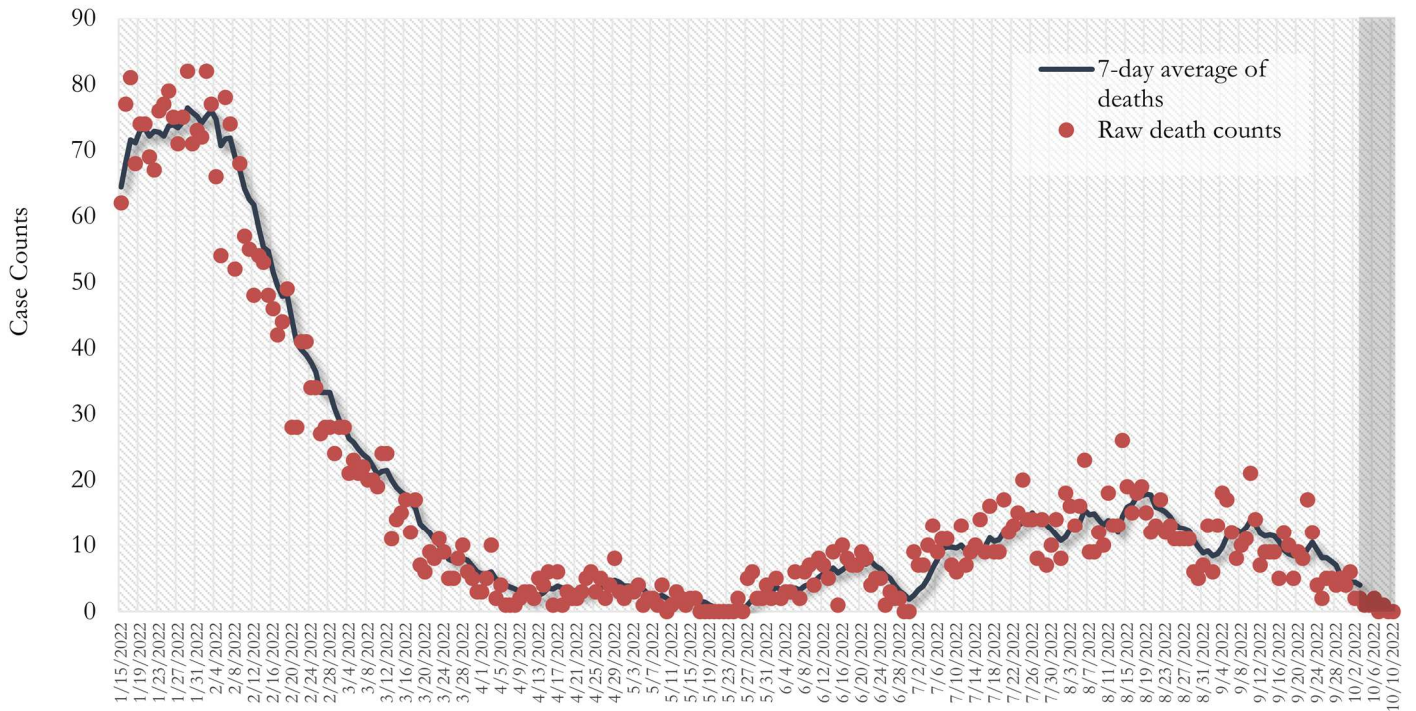
Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

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]
	9/22-10/6	*9/9-9/21*		
Alpharetta	51	70	↓27.1%	77.5
Atlanta	302	392	↓23.0%	65.8
Chattahoochee Hills	<10	<10	↔	33.9
College Park	<10	10	↓20.0%	62.0
East Point	33	32	↑ 3.1%	86.0
Fairburn	<10	<10	↔	48.5
Hapeville	<10	<10	↔	76.3
Johns Creek	63	79	↓20.3%	76.4
Milton	21	26	↓19.2%	50.9
Mountain Park	0	<10	↔	0.0
Palmetto	<10	<10	↔	25.4
Roswell	66	79	↓16.5%	71.1
Sandy Springs	72	89	↓19.1%	66.6
South Fulton	84	99	↓15.2%	78.2
Union City	11	22	↓50.0%	41.0
Unknown	16	19	↔	↔

[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
East Point	86.0
South Fulton	78.2
Alpharetta	77.5
Johns Creek	76.4
Hapeville	76.3
Roswell	71.1
Sandy Springs	66.6
Atlanta	65.8
College Park	62.0
Milton	50.9
Fairburn	48.5
Union City	41.0
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.

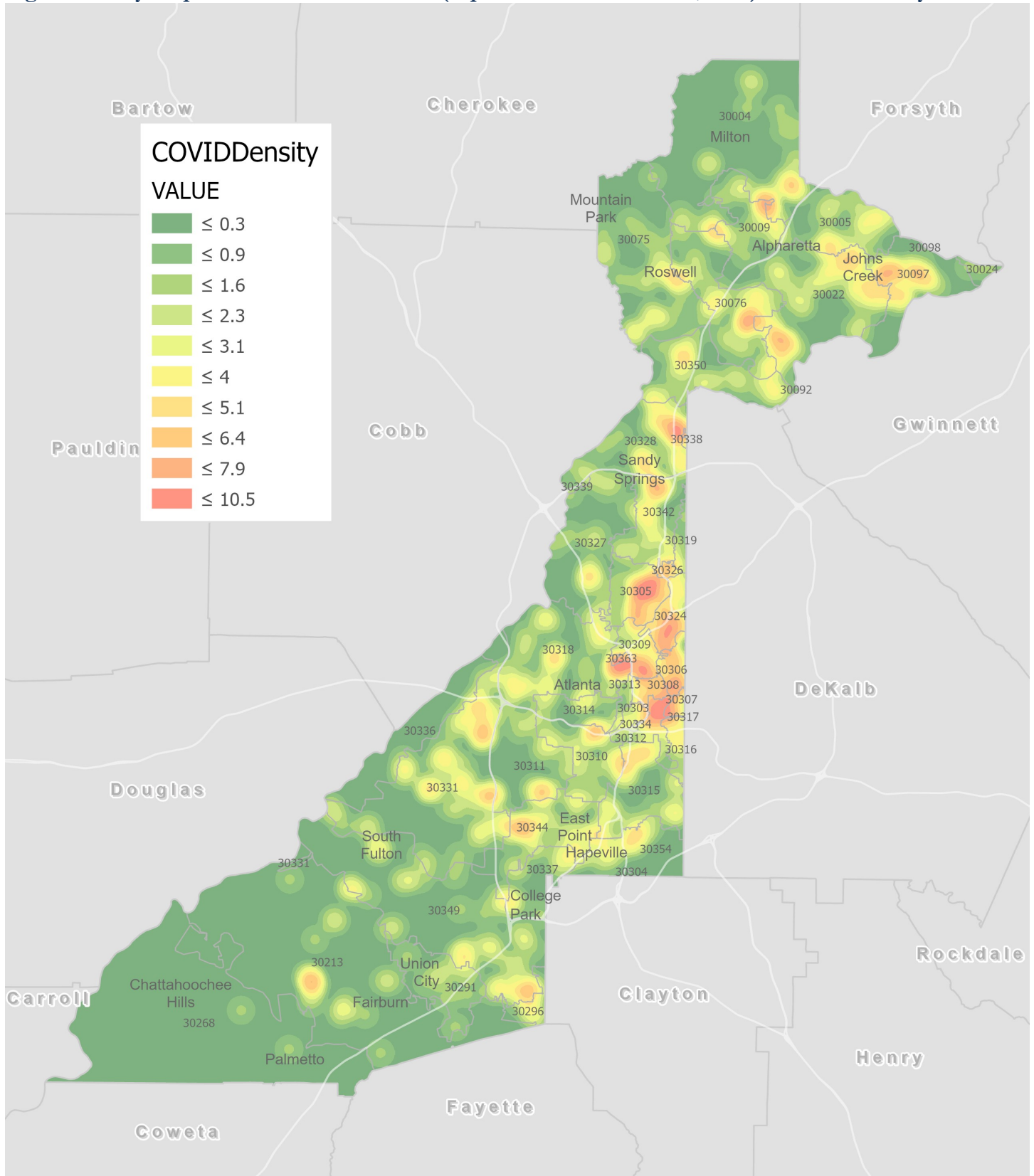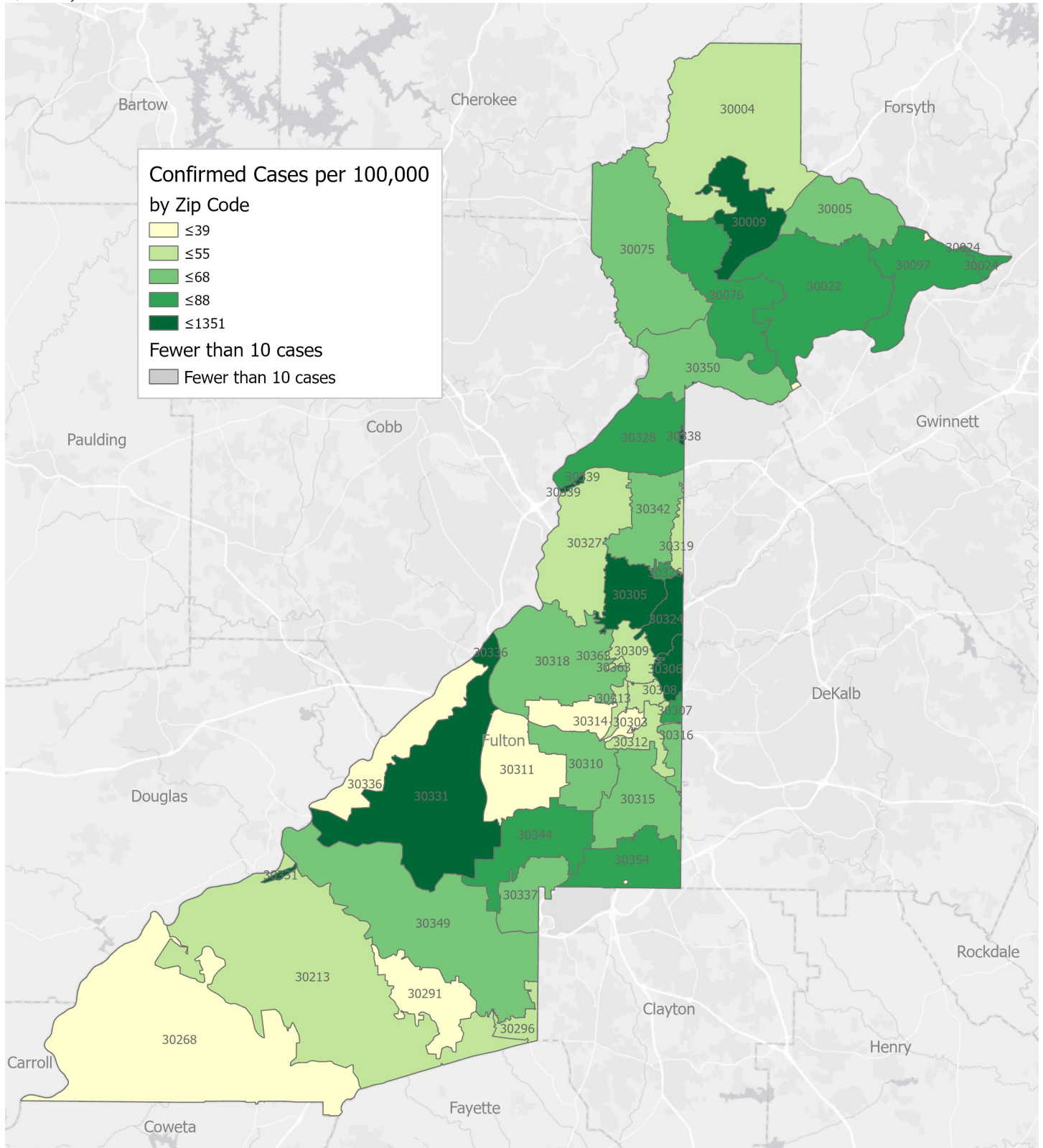**Fig. 9. Density Map – New COVID-19 Cases (September 22 – October 6, 2022) in Fulton County**

Fig. 10. New COVID-19 Diagnoses Rates (per 100,000 population) by Zip Code (September 22 – October 6, 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 (9/22– 10/6)	Previous 14-day reporting period (9/9– 9/21)	% Change between reporting periods[2]
All Fulton	742	937	↓ 20.8%
30004	26	34	↓ 23.5%
30005	20	36	↓ 44.4%
30009	19	25	↓ 24.0%
30022	50	66	↓ 24.2%
30024	<10	<10	↔
30075	29	29	↔
30076	32	46	↓ 30.4%
30092	0	0	↔
30097	24	19	↑ 26.3%
30098	0	0	↔
30213	22	26	↓ 15.4%
30268	<10	<10	↔
30291	13	21	↓ 38.1%
30296	<10	<10	↔
30303	<10	<10	↔
30305	27	30	↓ 10.0%
30306	16	15	↑ 6.7%
30307	<10	<10	↔
30308	11	25	↓ 56.0%
30309	15	28	↓ 46.4%
30310	18	30	↓ 40.0%
30311	13	28	↓ 53.6%
30312	13	21	↓ 38.1%
30313	<10	10	↓ 60.0%
30314	<10	19	↓ 63.2%
30315	23	39	↓ 41.0%
30316	<10	12	↓ 41.7%
30317	<10	0	↔
30318	39	40	↓ 2.5%
30319	<10	<10	↔
30324	25	22	↑ 13.6%
30326	<10	<10	↔
30327	16	21	↓ 23.8%
30328	29	32	↓ 9.4%
30331	59	52	↑ 13.5%
30334	0	0	↔
30336	0	0	↔
30337	10	<10	↑ 11.1%

Zip Code	Recent 14-day reporting period (9/22– 10/6)	Previous 14-day reporting period (9/9– 9/21)	% Change between reporting periods
30338	<10	0	↔
30339	<10	<10	↔
30340	0	0	↔
30341	0	0	↔
30342	21	26	↓ 19.2%
30344	32	28	↑ 14.3%
30349	43	61	↓ 29.5%
30350	23	29	↓ 20.7%
30354	12	16	↓ 25.0%
30358	<10	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 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

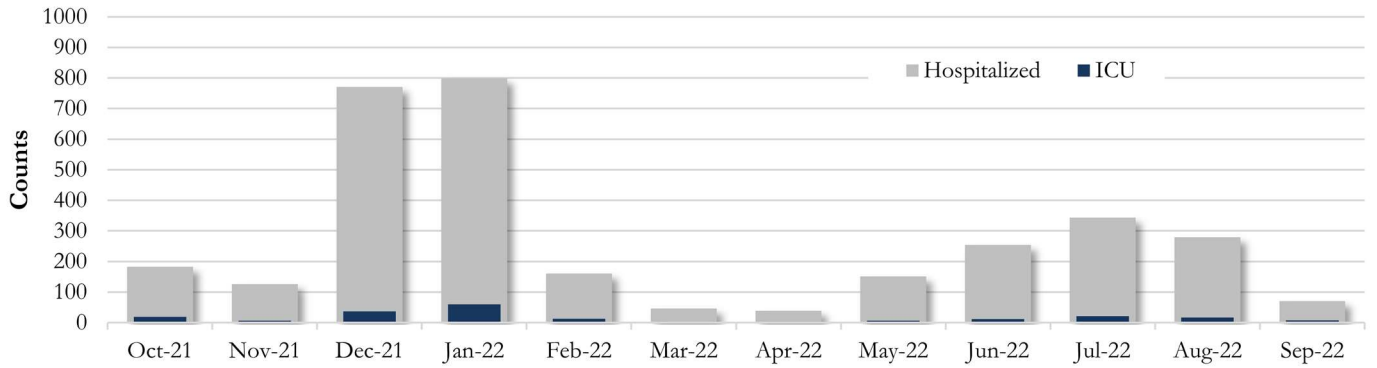**Fig. 11. Fulton County Covid-19 Cases Hospitalized and Admitted to ICU by Month**
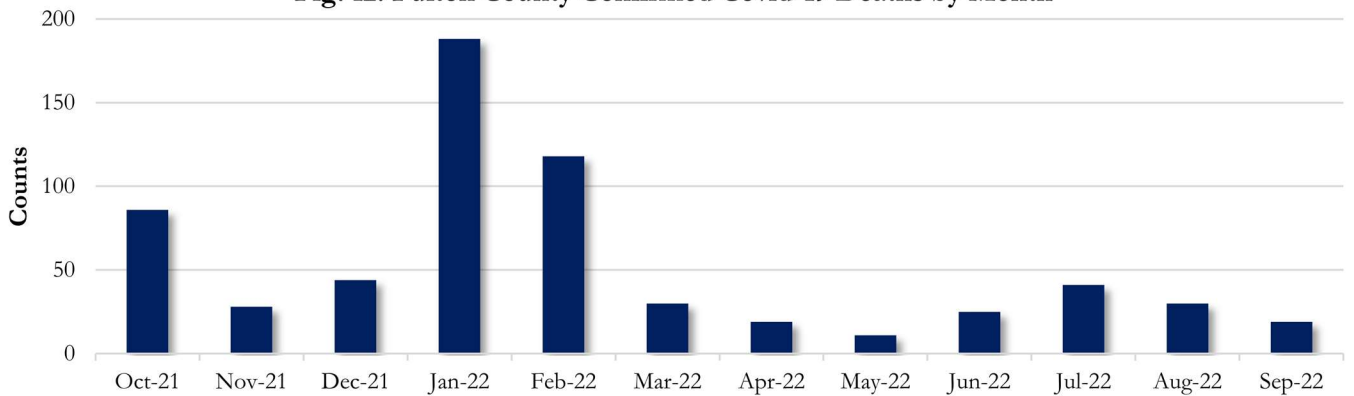
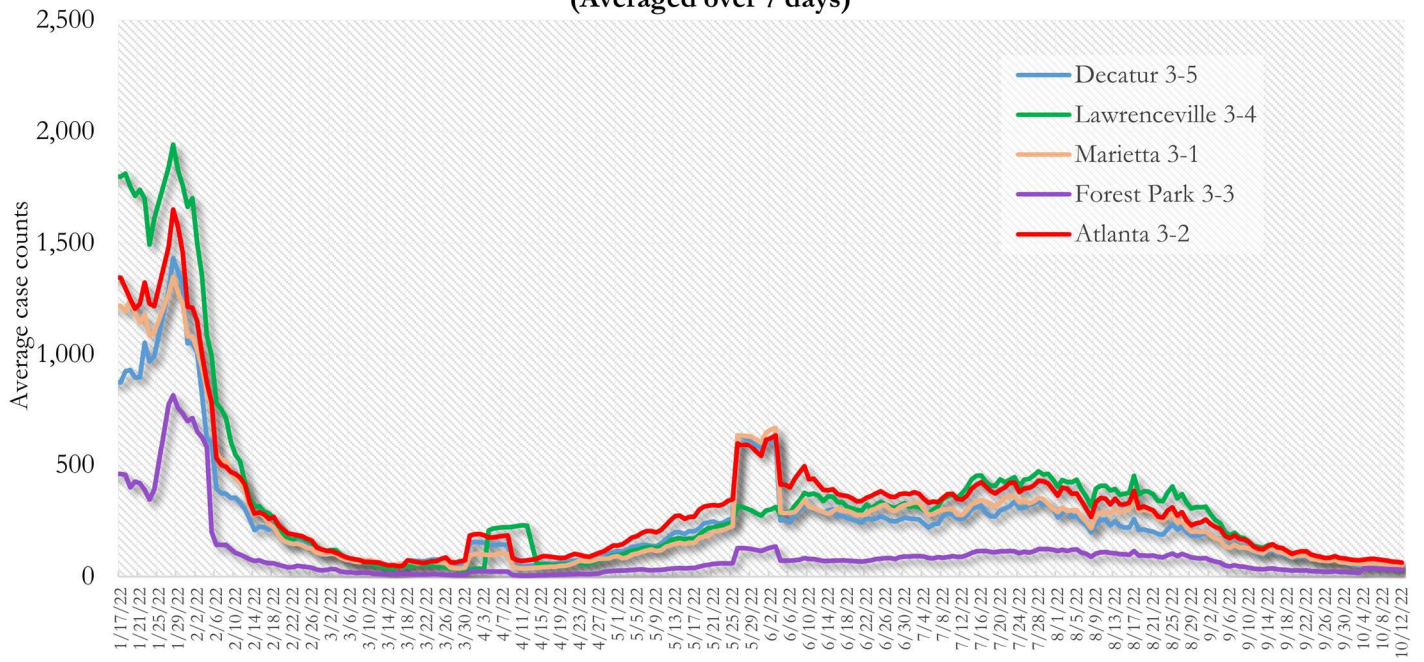**Fig. 12. Fulton County Confirmed Covid-19 Deaths by Month**

Values for August and September 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

Hospitalized 2.9% — Admitted to ICU 0.2% — Intubated 0.1% — Died 0.6%
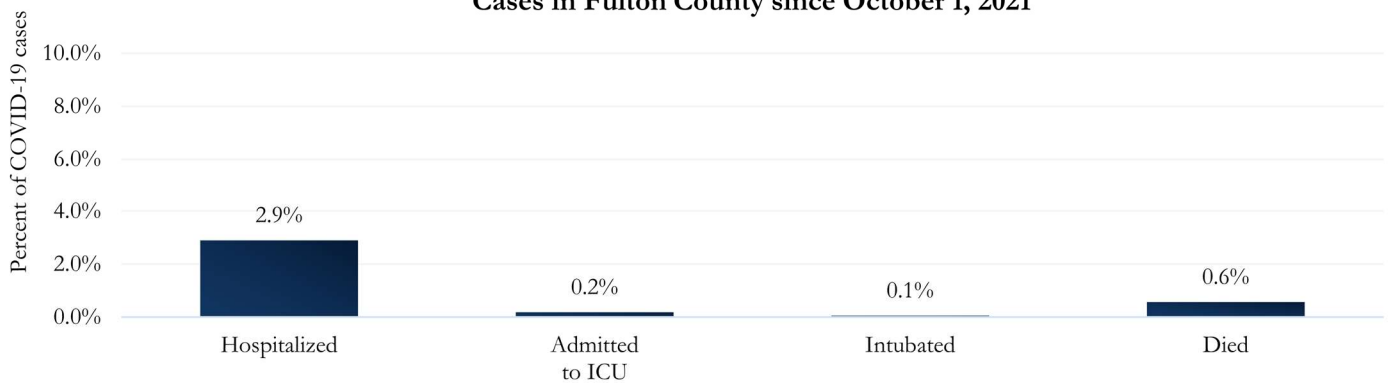
COVID-19 CASE TRENDS IN FULTON AND SURROUNDING DISTRICTS

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

Legend:
- Decatur 3-5
- Lawrenceville 3-4
- Marietta 3-1
- Forest Park 3-3
- Atlanta 3-2

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 September 9 – October 6, 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	**225079**		**1679**		**2273**		**<10**	
Female	123116	54.7%	944	56.2%	1087	47.8%	<10	8.3%
Male	100973	44.9%	735	43.8%	1186	52.2%	<10	91.7%
Unknown*	990	<1%	0	<1%	0	-	0	-
0-9	200	0.1%	<10	<1%	0	-	0	-
10-19	15831	7.0%	94	5.6%	<10	<1%	0	-
20-29	25296	11.2%	73	4.3%	<10	<1%	0	-
30-39	45707	20.3%	220	13.1%	67	2.9%	0	-
40-49	43748	19.4%	274	16.3%	83	3.7%	0	-
50-59	33819	15.0%	231	13.8%	239	10.5%	<10	8.3%
60-69	28385	12.6%	265	15.8%	446	19.6%	<10	0.0%
≥70	17535	7.8%	228	13.6%	1428	62.8%	<10	66.7%
Unknown*	14558	<1%	<10	<1%	0	-	0	-
Asian, NH	12763	5.7%	119	7.1%	35	1.5%	0	-
Black, NH	97781	43.4%	657	39.1%	1437	63.2%	<10	91.7%
White, NH	69010	30.7%	495	29.5%	699	30.8%	<10	8.3%
Hispanic, all races	21642	9.6%	147	8.8%	93	4.1%	0	-
Other, NH	6300	2.8%	47	2.8%	<10	<1%	0	-
Unknown*	17583	7.8%	214	12.7%	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 September 12 – October 9, 2022
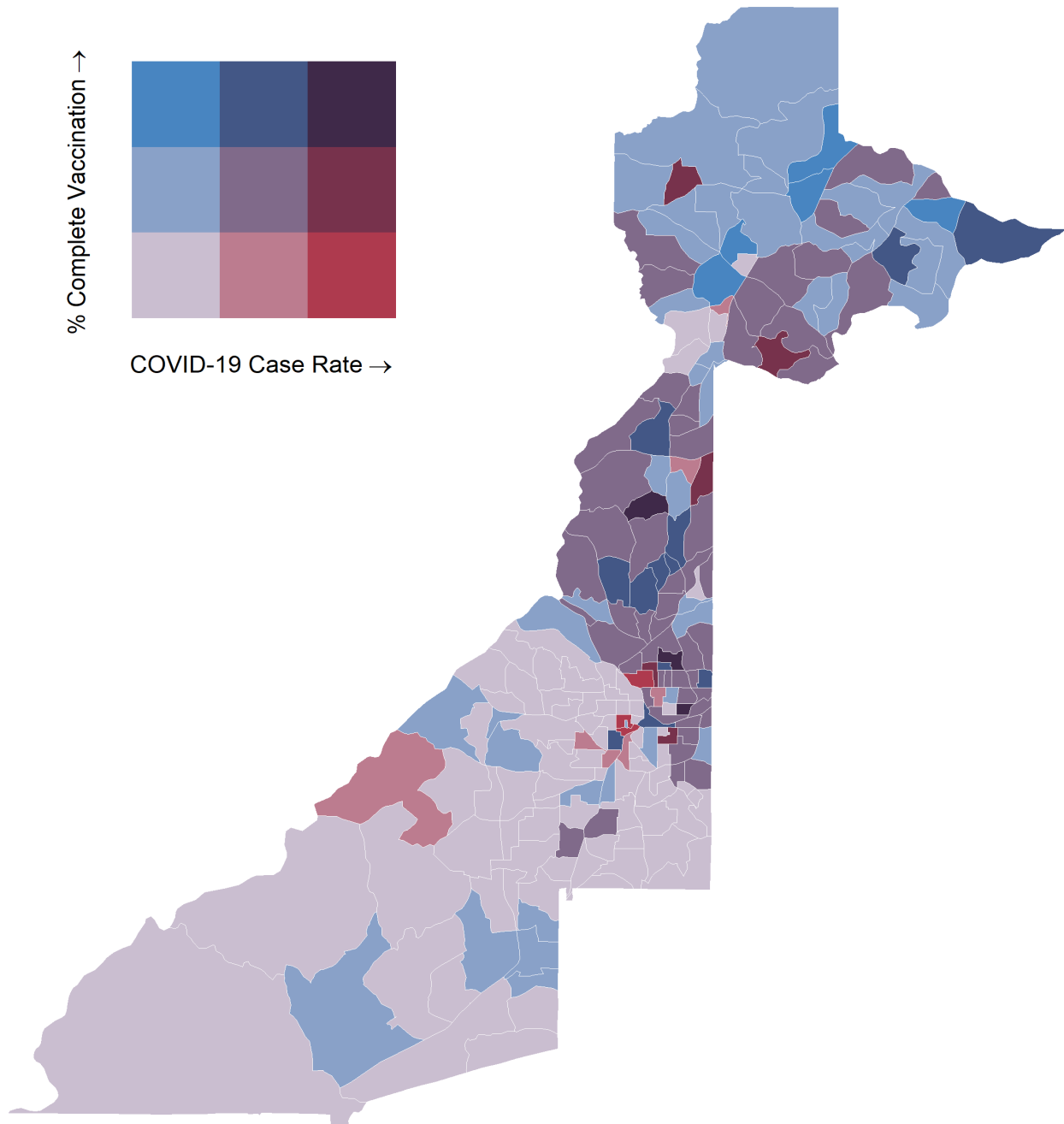
How to interpret these colors: The brighter the blue, the better. The upper most blue box indicates low COVID-19 case rates and high vaccination coverage. Red is not ideal as red indicates high COVID-19 case rates and low vaccination coverage. Colors in between indicate varying combinations of COVID-19 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
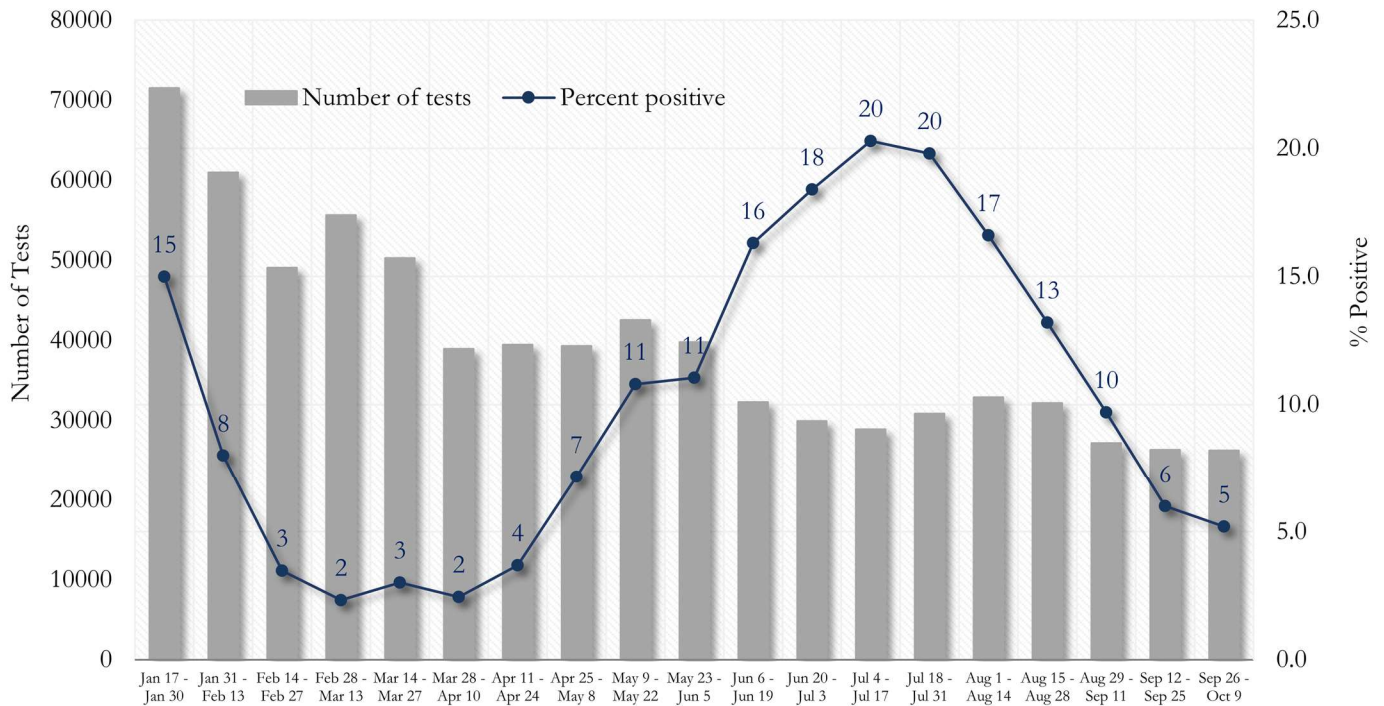
Data on Polymerase Chain Reaction (PCR) tests only included. Table unable to be updated this week.

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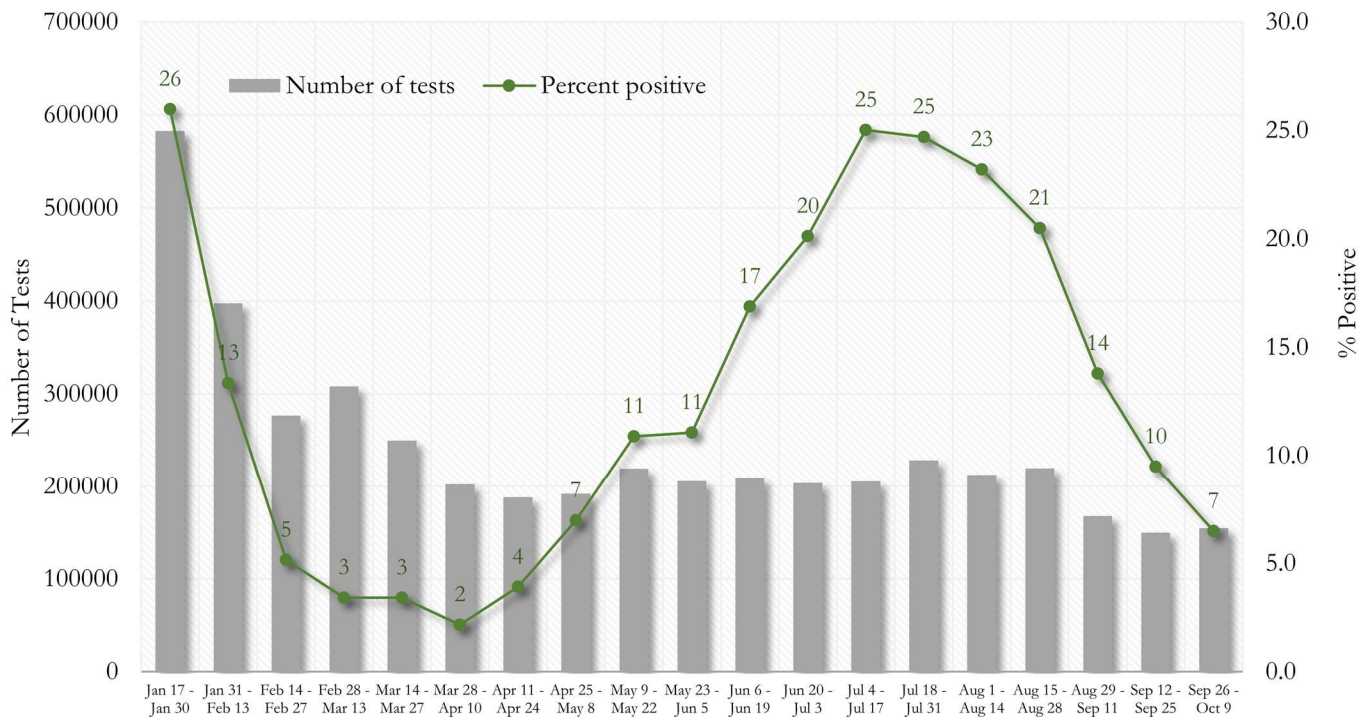
Data on Polymerase Chain Reaction (PCR) tests only included. Table unable to be updated this week.

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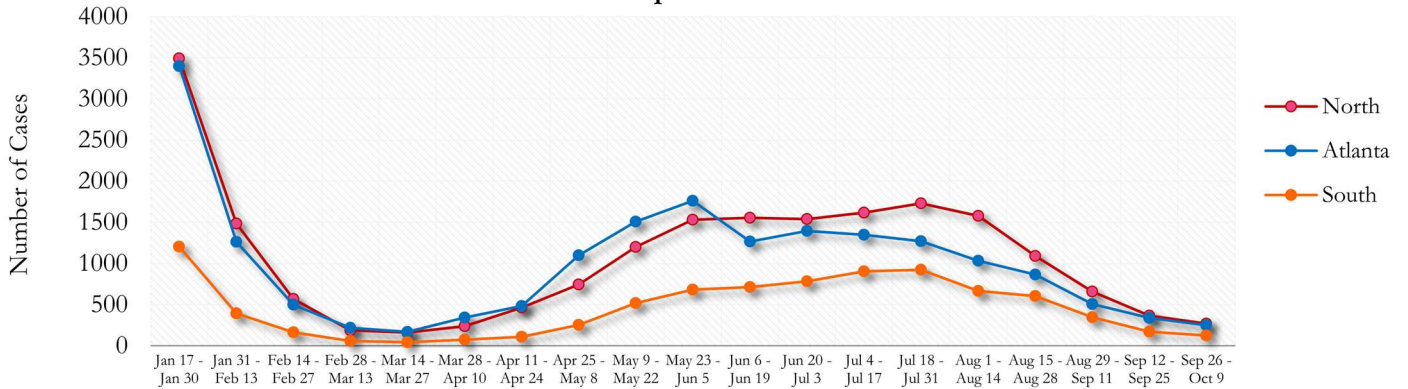
In the past two weeks, Atlanta accounted for the majority of new cases.
*North -Includes all Fulton cities north of Atlanta (Alpharetta, Johns Creek, Milton, Mountain Park, Roswell, Sandy Springs)
*South - Includes all Fulton cities south of Atlanta (Chattahoochee Hills, College Park, East Point, Fairburn,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

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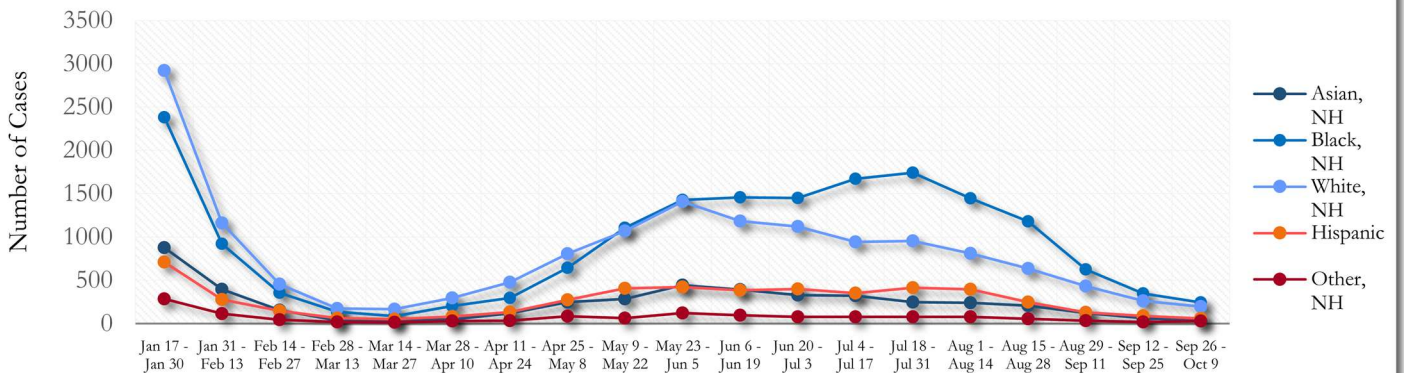
Fig. 20. Racial Distribution of Covid-19 Cases in Fulton County by 14-day periods
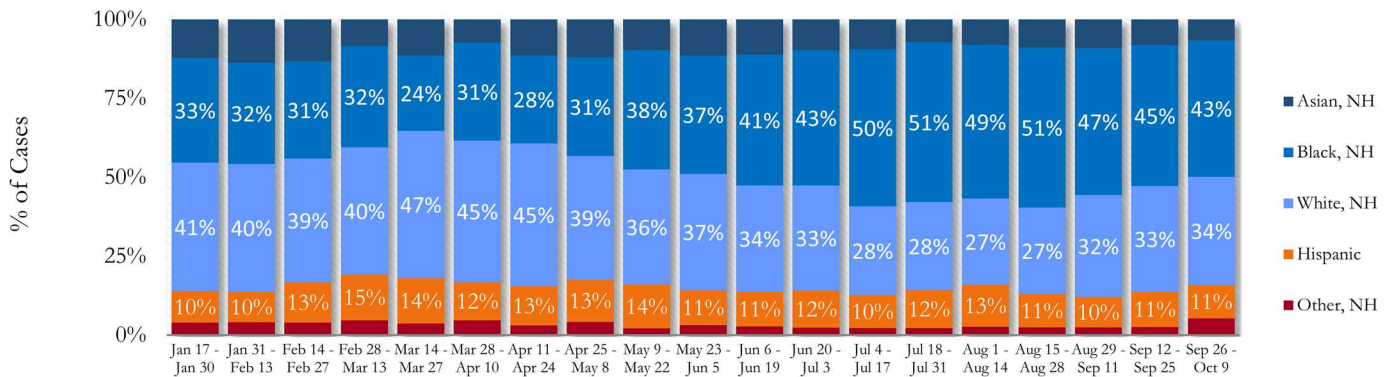
About 8% of all Fulton County COVID cases are missing data on patient race and ethnicity and in the past two weeks, about 14% of cases are missing this data. Percentages do not include the missing data and thus are subject to change as data are cleaned.

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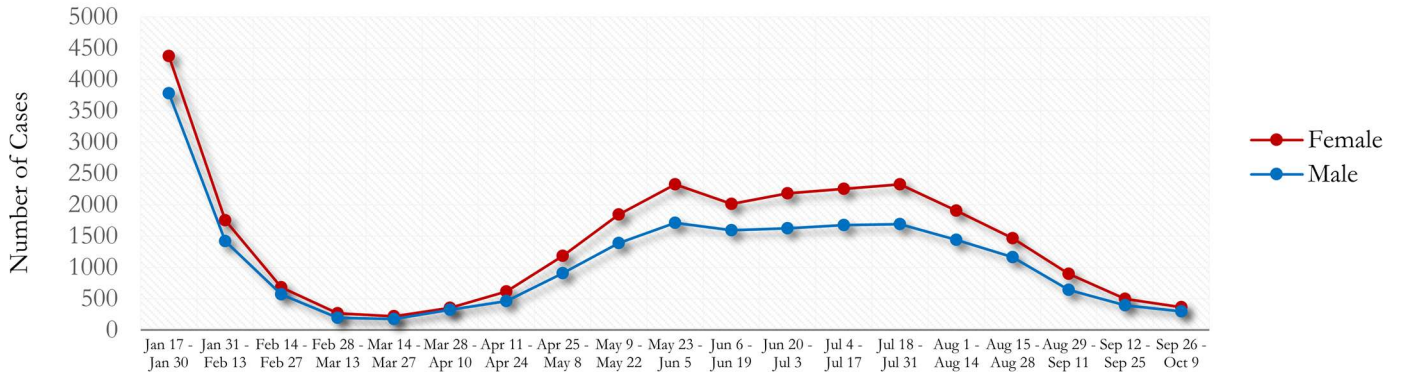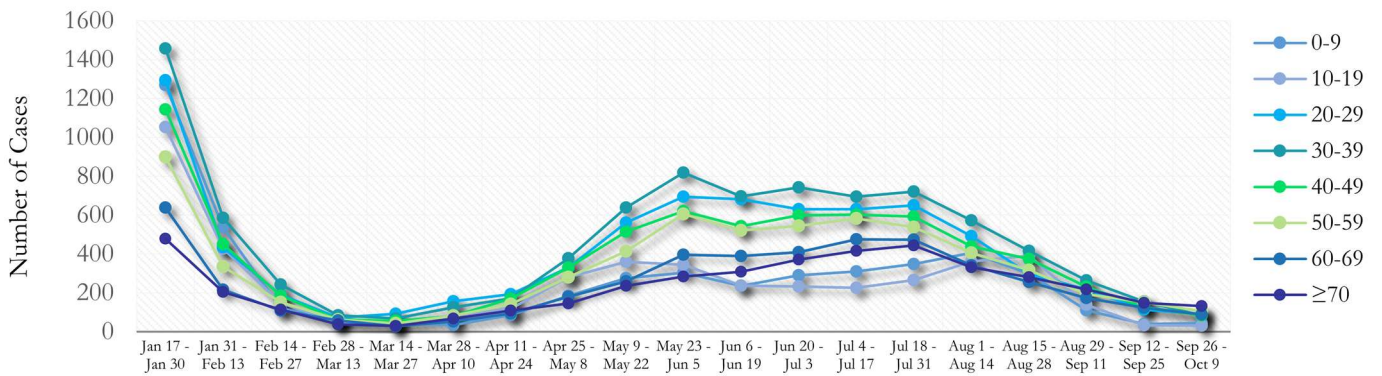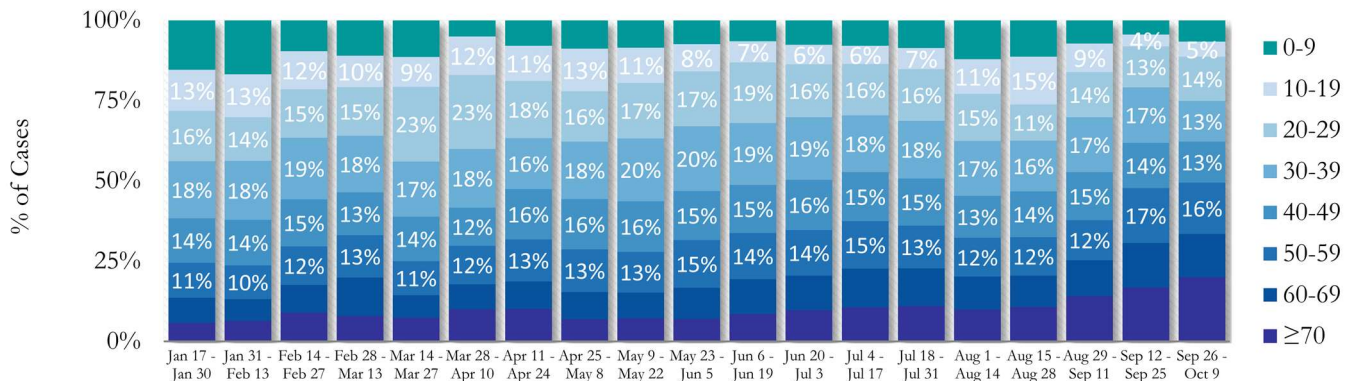

Fig. 22. Trends in Age Distribution of Covid-19 Cases in Fulton County by 14-day periods

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 **351,508 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 **310,905 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 **373,787 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 **166,819 new confirmed Covid-19 cases**. **66%** (108,319) of these new cases occurred in **unvaccinated individuals. 34%** (58,500) of these new cases occurred in **fully vaccinated individuals.**

Fig. 24. Daily Confirmed Covid-19 Cases in Fulton County by Vaccination Status
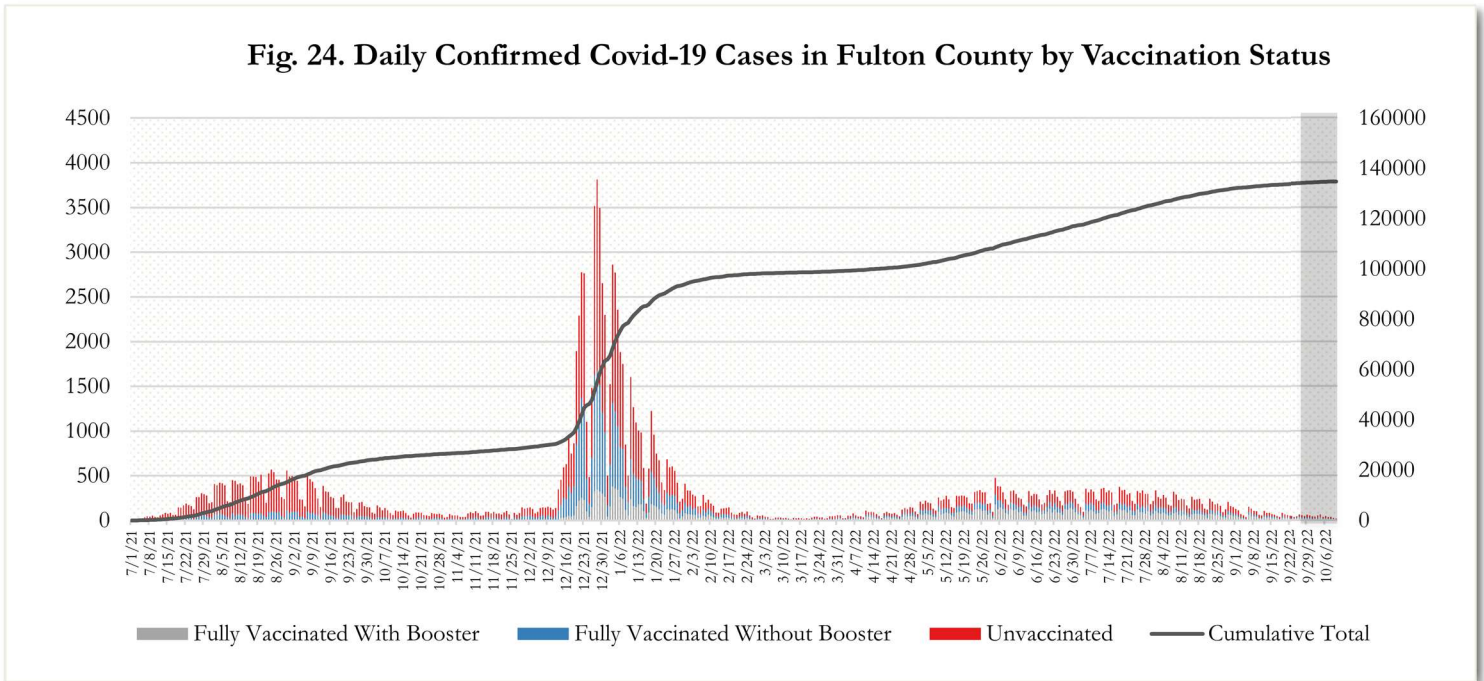
Fully vaccinated without booster includes those who are not yet eligible for a booster due to age or date of receiving their primary series.

CASE COUNTS AND RATES BY VACCINATION AND BOOSTER STATUS

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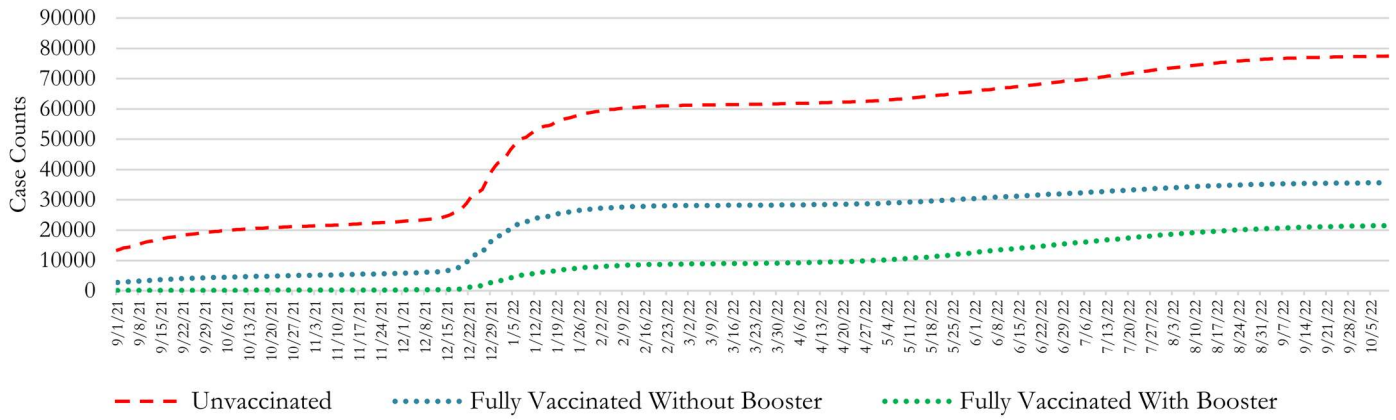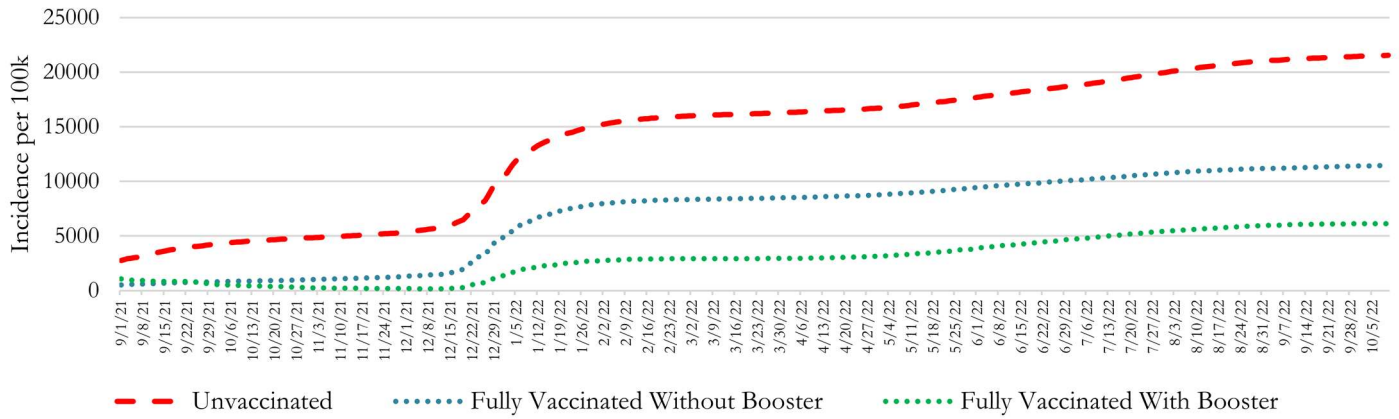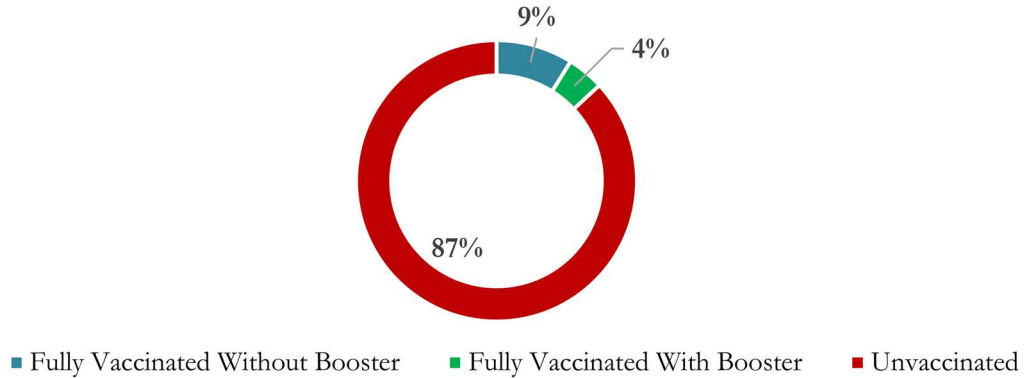

Fig. 26. Fulton County Cumulative Incidence Rates of Covid-19 by Vaccination and Booster Status

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
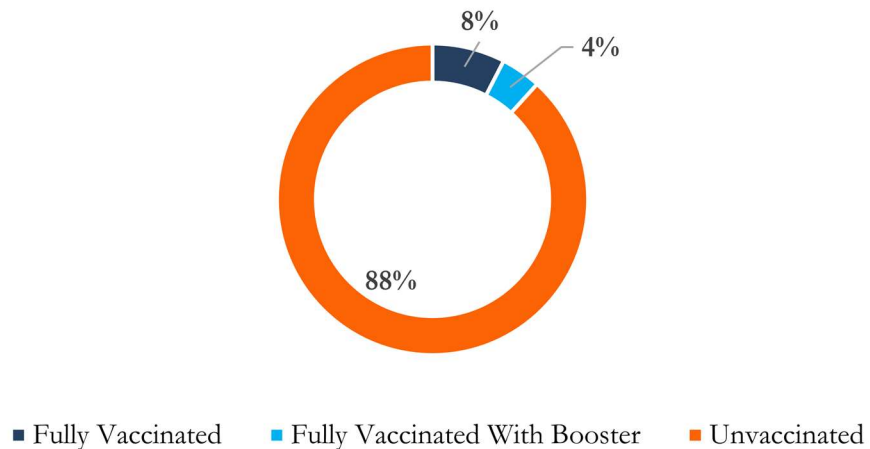
Of the 12**%** of deaths that occurred in vaccinated individuals, **91% were over the age of 60.** Of that, **81% were over the age of 70.**