Fulton County Board of Health Epidemiology Report
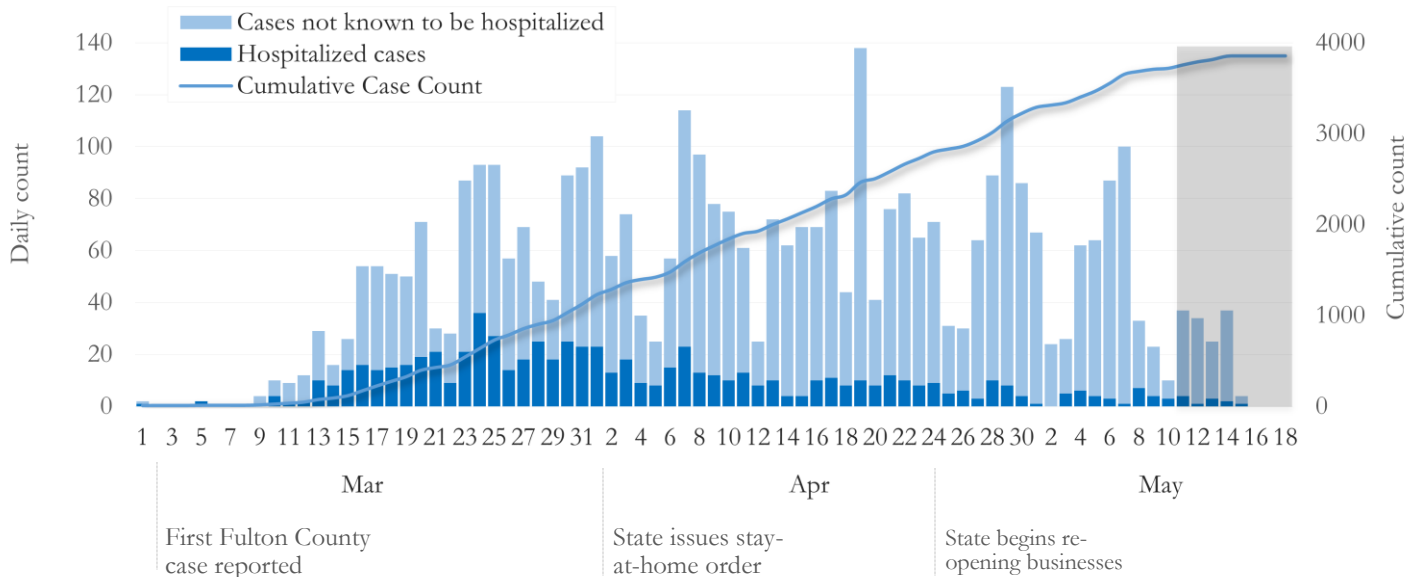## COVID-19 Diagnoses – 5/18/2020

SUMMARY

- As of May 18, 2020, Fulton County has recorded **3,856** cases of the 2019 novel coronavirus (COVID-19) and **165** deaths.
- The central portion of the county (Atlanta metro) accounts for 45% of the cumulative case count while the northern and southern parts of the county combined account for 42% of the confirmed cases in the county.
- By city, cumulative COVID-19 diagnoses rates have ranged from 129.1 per 100,000 persons (Johns Creek) to 691.8 per 100,000 persons (Union City).
- Among all persons diagnosed with COVID-19 in Fulton County, 18% have needed hospitalization and 4% have died.

Daily and Cumulative COVID-19 diagnoses in Fulton County, GA (5/18/20)

Legend: Cases not known to be hospitalized; Hospitalized cases; Cumulative Case Count

First Fulton County case reported

State issues stay-at-home order

State begins re-opening businesses

*Counts shown reflect the number of confirmed cases as of 5/18/20 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. **Note:** All data reported are preliminary and subject to change. Delays in data reporting may cause changes in data counts, particularly in the shaded portion.*
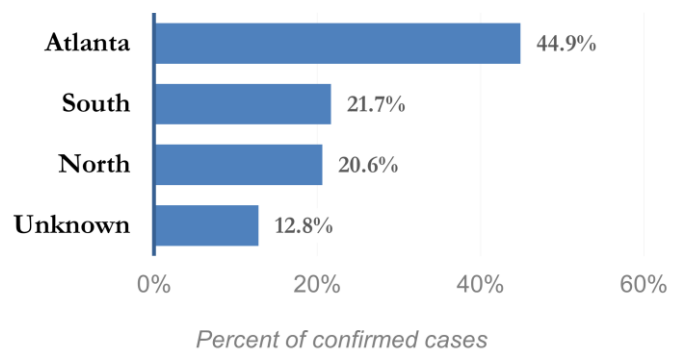
DISTRIBUTION OF COVID-19 DIAGNOSES BY REGION

Fulton Region	% of total cases in Fulton county
Atlanta	44.9%
North[1]	20.6%
South[2]	21.7%
Unincorporated/Unknown	12.8%

[1]Includes all Fulton County cities north of Atlanta metro (Alpharetta, Milton, Johns Creek, Roswell, Sandy Springs, Mountain Park)
[2]Includes all cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, Union City)

Distribution of COVID 19 cases by Region (5/18/20)

- Atlanta: 44.9%
- South: 21.7%
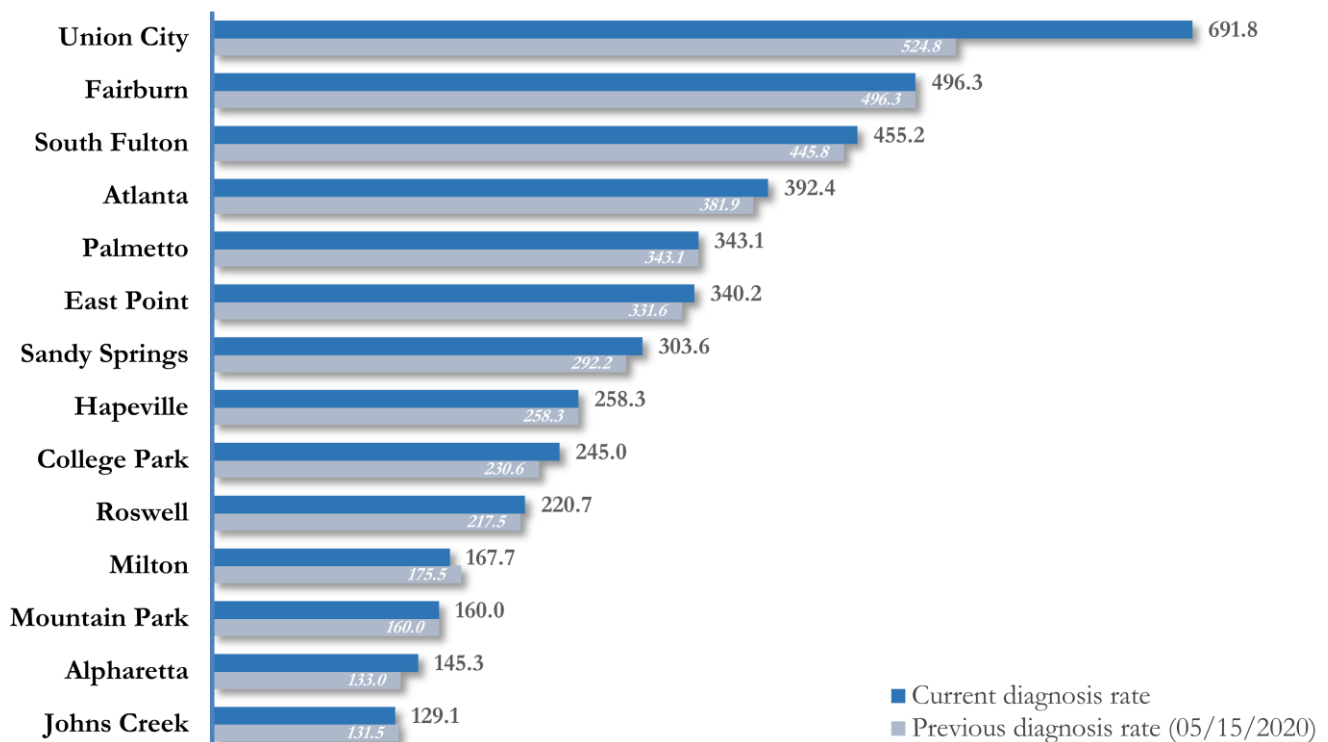- North: 20.6%
- Unknown: 12.8%

Percent of confirmed cases

COVID-19 CASE COUNTS AND RATES BY CITY

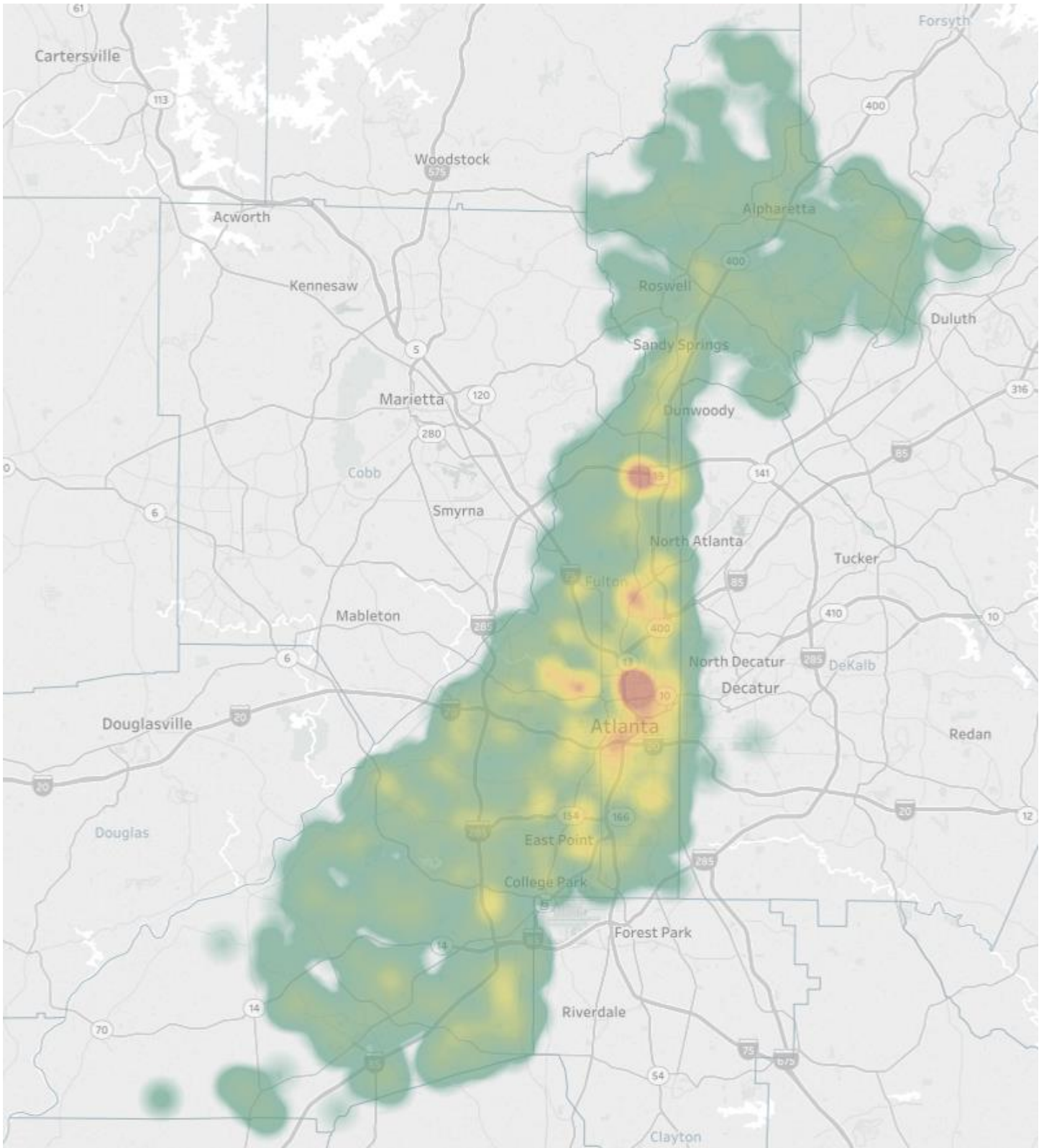|	Previous Count (5/15/2020)	Current Count (5/18/20)	Percent of Current Total	% Change	COVID-19 Diagnoses Rate (per 100,000 persons)*
Atlanta	1685	1731	44.9%	2.7%	392.4
South Fulton	424	433	11.2%	2.1%	455.2
Sandy Springs	308	320	8.3%	3.9%	303.6
Roswell	205	208	5.4%	1.5%	220.7
East Point	116	119	3.1%	2.6%	340.2
Johns Creek	110	108	2.8%	-1.8%**	129.1
Union City	110	145	3.8%	31.8%	691.8
Alpharetta	86	94	2.4%	9.3%	145.3
Milton	67	64	1.7%	-4.5%**	167.7
Fairburn	73	73	1.9%	0.0%	496.3
College Park	32	34	0.9%	6.3%	245.0
Palmetto	15	15	0.4%	0.0%	343.1
Hapeville	17	17	0.4%	0.0%	258.3
Mountain Park	<10	<10	0.0%	0.0%	160.0
Unknown	480	494	12.8%	-	-

*Population estimates from US Census Bureau used to calculate diagnoses rates. ** Data cleaning (either during the detailed data collection that takes place at case interviews or during the geo-coding process) may lead to reassignment of few cases from one territory to another based on their corrected addresses and these may appear as "decreases" when compared to the previous day's count. 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. **Note:** All data reported are preliminary and subject to change.

COVID-19 Cumulative Diagnoses Rate in Fulton County by City (05/18/20)
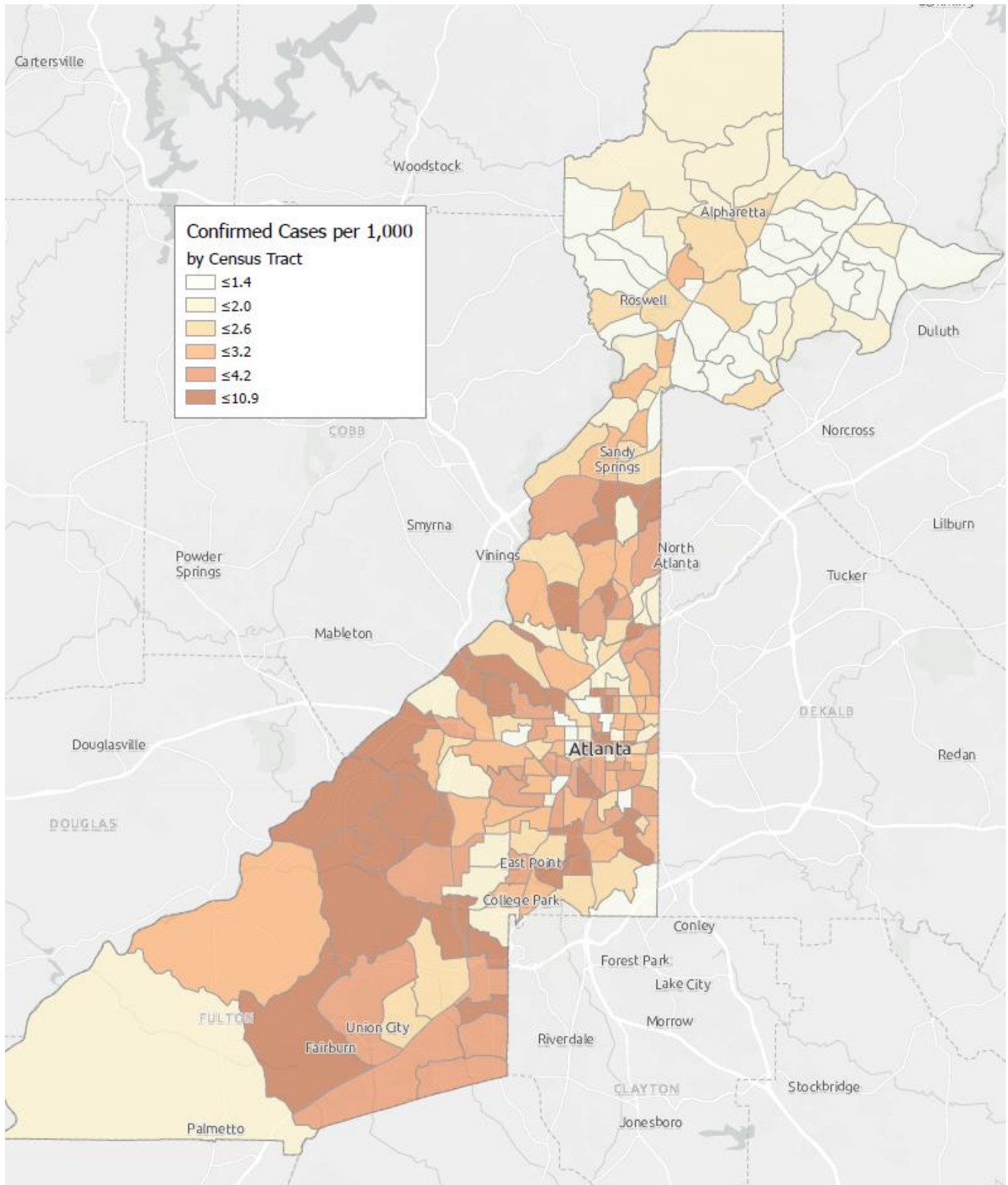
*Rates shown are per 100,000 persons **Note:** Increased testing in specific locations may cause sharp increases in the cumulative rate of COVID-19 diagnosis in such territories. All data shown are preliminary and are subject to change as testing results get updated.

Figure 4. Density Map of COVID-19 Cases in Fulton County (5/18/20)

NB. Data used excludes the outbreak-related cases diagnosed at long-term care facilities and reflects the current geographical distribution of COVID19 diagnoses in the general Fulton County community.

Figure 5. COVID19 Diagnosis Rates in Fulton County by Census Tract (5/18/2020)

Rate (per 1000 population)
NB. Data used excludes the outbreak-related cases diagnosed at long-term care facilities and reflects the current geographical distribution of COVID19 diagnoses in

COVID-19 CASE COUNTS BY ZIP CODE

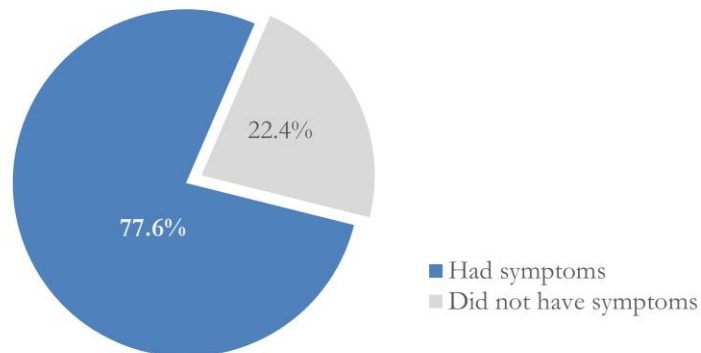| ZIP code	Previous Count (5/15/2020)	Current Count (5/18/20)	Percent of Current Total	% Change
30331	309	317	8.2%	2.6%
30318	217	224	5.8%	3.2%
30349	214	221	5.7%	3.3%
30213	161	161	4.2%	0.0%
30315	125	126	3.3%	0.8%
30344	109	112	2.9%	2.8%
30311	112	114	3.0%	1.8%
30342	157	162	4.2%	3.2%
30314	73	85	2.2%	16.4%
30310	108	114	3.0%	5.6%
30308	76	76	2.0%	0.0%
30022	82	83	2.2%	1.2%
30327	85	88	2.3%	3.5%
30004	86	88	2.3%	2.3%
30309	127	130	3.4%	2.4%
30076	75	76	2.0%	1.3%
30291	141	174	4.5%	23.4%
30350	71	71	1.8%	0.0%
30075	121	123	3.2%	1.7%
30328	84	86	2.2%	2.4%
30316	38	39	1.0%	2.6%
30312	205	204	5.3%	-0.5%**
30005	47	47	1.2%	0.0%
30305	85	86	2.2%	1.2%
30306	48	48	1.2%	0.0%
30324	76	83	2.2%	9.2%
30337	30	32	0.8%	6.7%
30009	38	41	1.1%	7.9%
30313	34	34	0.9%	0.0%
30326	24	26	0.7%	8.3%
30097	37	37	1.0%	0.0%
30354	34	34	0.9%	0.0%
30303	30	30	0.8%	0.0%
30339	12	13	0.3%	8.3%
30268	21	21	0.5%	0.0%
30307	16	16	0.4%	0.0%
30319	25	26	0.7%	4.0%
30336	12	12	0.3%	0.0%
30296	11	11	0.3%	0.0%
30363	<10	<10	0.2%	-
30301	<10	<10	0.1%	-
30345	<10	<10	0.2%	-
31131	<10	<10	0.1%	-
30023	<10	<10	0.1%	-
30080	<10	<10	0.1%	-
30135	<10	<10	0.0%	-

30138	<10	<10	0.0%	-
30139	<10	<10	0.0%	-
30321	<10	<10	0.1%	-
30340	<10	<10	0.1%	-
30341	13	14	0.4%	7.7%
30358	<10	<10	0.0%	-
30374	18	18	0.5%	0.0%
30606	<10	<10	0.0%	-
31150	<10	<10	0.0%	-
30024	<10	<10	0.0%	-
30098	<10	<10	0.0%	-
30334	<10	<10	0.1%	-
30338	<10	<10	0.1%	-
Unknown	302	312	8.1%	-

*** Data cleaning (either during the detailed data collection that takes place at case interviews or during the geo-coding process) may lead to reassignment of few cases from one territory to another based on their corrected addresses and these may appear as "decreases" when compared to the previous day's count.. These do not reflect errors in the data collection or analyses process but only reflect the minor day-to-day fluctuations in case counts that arise in an evolving public health database like COVID's. **Note:** All data reported are preliminary and subject to change.*

REPORTING SYMPTOMS

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, repeated shaking with chills, muscle pain, headache, sore throat, new loss of taste or smell –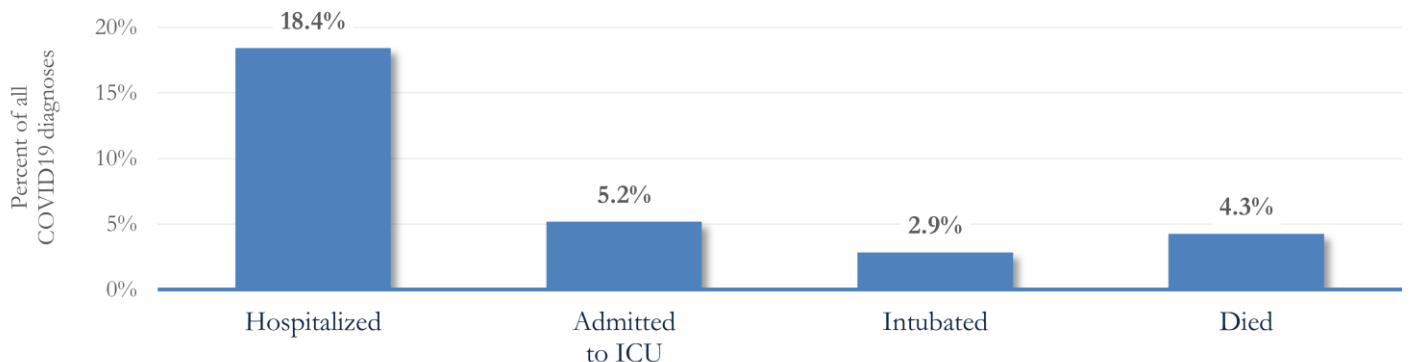 Centers for Disease Control and Prevention (CDC) https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html

Figure 6. Proportion reporting Symptoms in Fulton County (5/18/20)

22.4%

77.6%

■ Had symptoms
■ Did not have symptoms

COVID-19 cases who have been case interviewed or had medical charts reviewed as at 5/18/20 only

HOSPITALIZATIONS AND DEATHS

Figure 7. Hospitalizations, ICU Admissions and Deaths among COVID-19 Diagnoses in Fulton County (5/18/20)

Percent of all COVID19 diagnoses

Hospitalized	Admitted to ICU	Intubated	Died
18.4%	5.2%	2.9%	4.3%

DEMOGRAPHIC DISTRIBUTION & MORBIDITY AND MORTALITY TRENDS

		North Fulton Cities[1] Count (%)	Atlanta Count (%)	South Fulton Cities[2] Count (%)	Unknown Count (%)	All Fulton Count (%)
Total COVID cases		795	1731	836	494	3856
Gender:	Female	390 (49.1%)	814 (47.0%)	497 (59.4%)	263 (53.2%)	1964 (50.9%)
	Male	399 (50.2%)	906 (52.3%)	334 (40.0%)	217 (43.9%)	1856 (48.1%)
	Unknown	<10	11 (0.6%)	<10	14 (2.8%)	36 (0.9%)
Age:	<15	10 (1.3%)	13 (0.8%)	<10	<10	39 (1.0%)
	15-24	66 (8.3%)	89 (5.1%)	41 (4.9%)	30 (6.1%)	226 (5.9%)
	25-34	110 (13.8%)	279 (16.1%)	81 (9.7%)	93 (18.8%)	563 (14.6%)
	35-44	133 (16.7%)	274 (15.8%)	124 (14.8%)	85 (17.2%)	616 (16.0%)
	45-54	157 (19.7%)	243 (14.0%)	161 (19.3%)	81 (16.4%)	642 (16.6%)
	55-64	139 (17.5%)	294 (17.0%)	143 (17.1%)	77 (15.6%)	653 (16.9%)
	>65	178 (22.4%)	522 (30.2%)	276 (33.0%)	114 (23.1%)	1090 (28.3%)
	Unknown	<10	17 (1.0%)	<10	<10	27 (0.7%)
Race:	Asian, NH	42 (5.3%)	20 (1.2%)	<10	<10	72 (1.9%)
	Black, NH	122 (15.3%)	929 (53.7%)	620 (74.2%)	172 (34.8%)	1843 (47.8%)
	White, NH	296 (37.2%)	274 (15.8%)	60 (7.2%)	71 (14.4%)	701 (18.2%)
	Hispanic	84 (10.6%)	47 (2.7%)	27 (3.2%)	28 (5.7%)	186 (4.8%)
	Other, NH	27 (3.4%)	33 (1.9%)	12 (1.4%)	12 (2.4%)	84 (2.2%)
	Unknown	224 (28.2%)	428 (24.7%)	116 (13.9%)	202 (40.9%)	970 (25.2%)

[1]*Includes all Fulton County cities north of Atlanta metro (Alpharetta, Milton, Johns Creek, Roswell, Sandy Springs, Mountain Park)* [2]*Includes all cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Hapeville, Palmetto, South Fulton, Fairburn, Union City).* **_Note:_** *All data reported are preliminary and subject to change.*
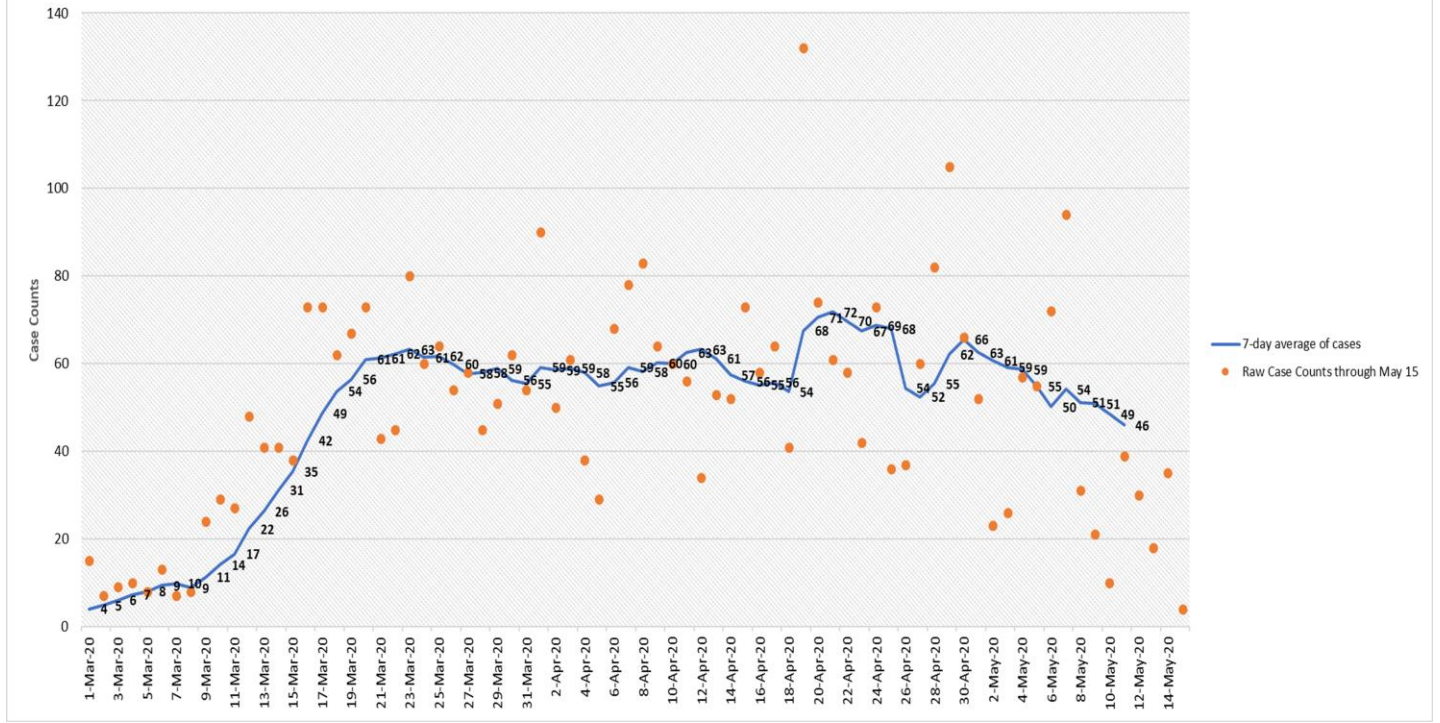

Daily Percent Increase for Atlanta Metro Districts (Averaged over 7 days)

Legend: Decatur 3-5 — Lawrenceville 3-4 — Marietta 3-1 — Forest Park 3-3 — Fulton 7-day increase

*Chart to be updated weekly.

*Date is the earliest date when comparing the date of symptom onset, date of positive sample collection, and date of report for each PUI.
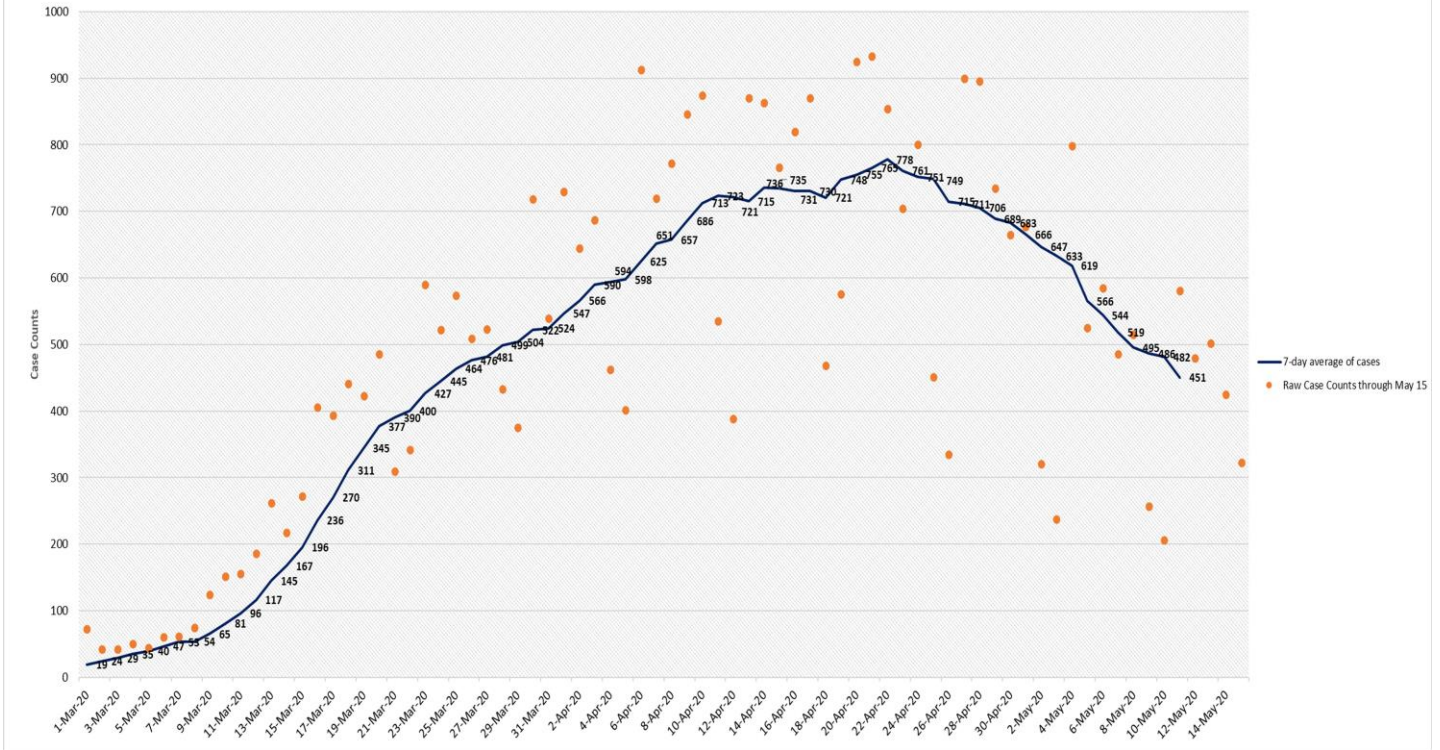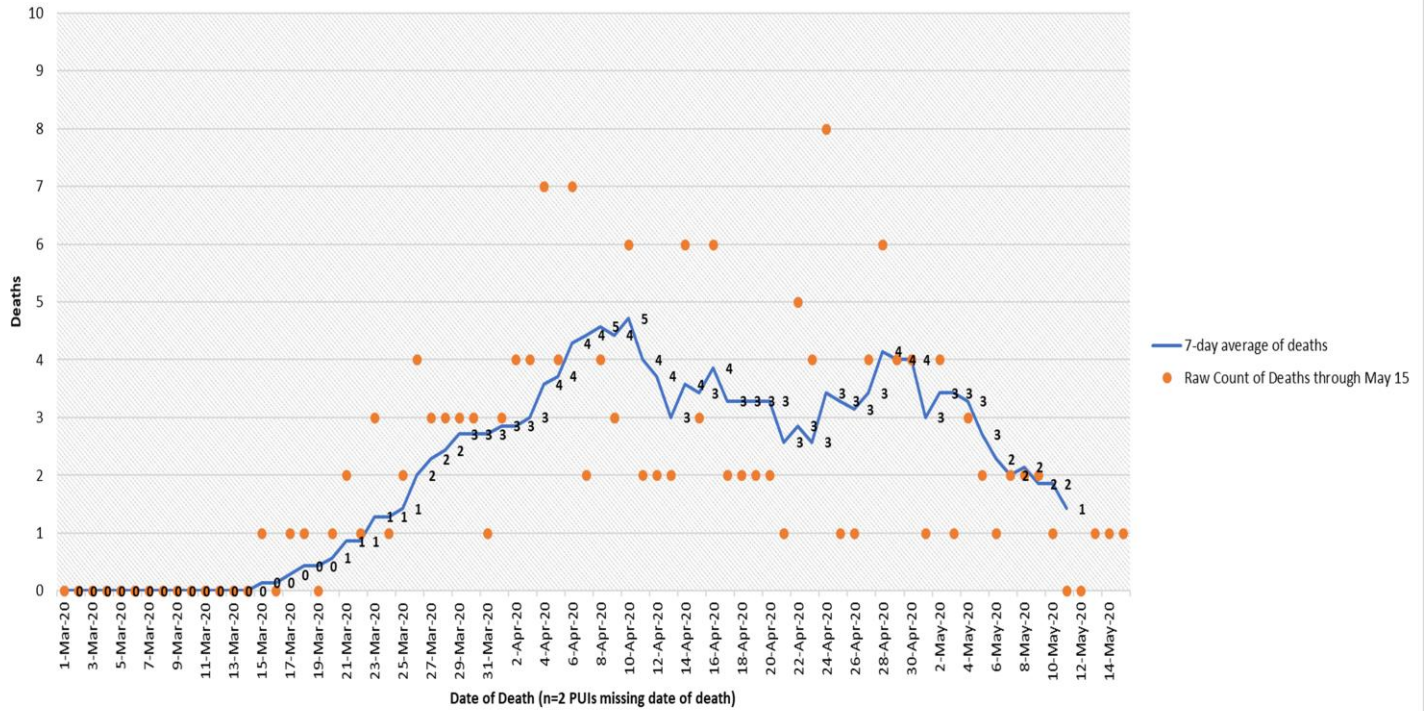

*Date is the earliest date when comparing the date of symptom onset, date of positive sample collection, and date of report for each PUI.

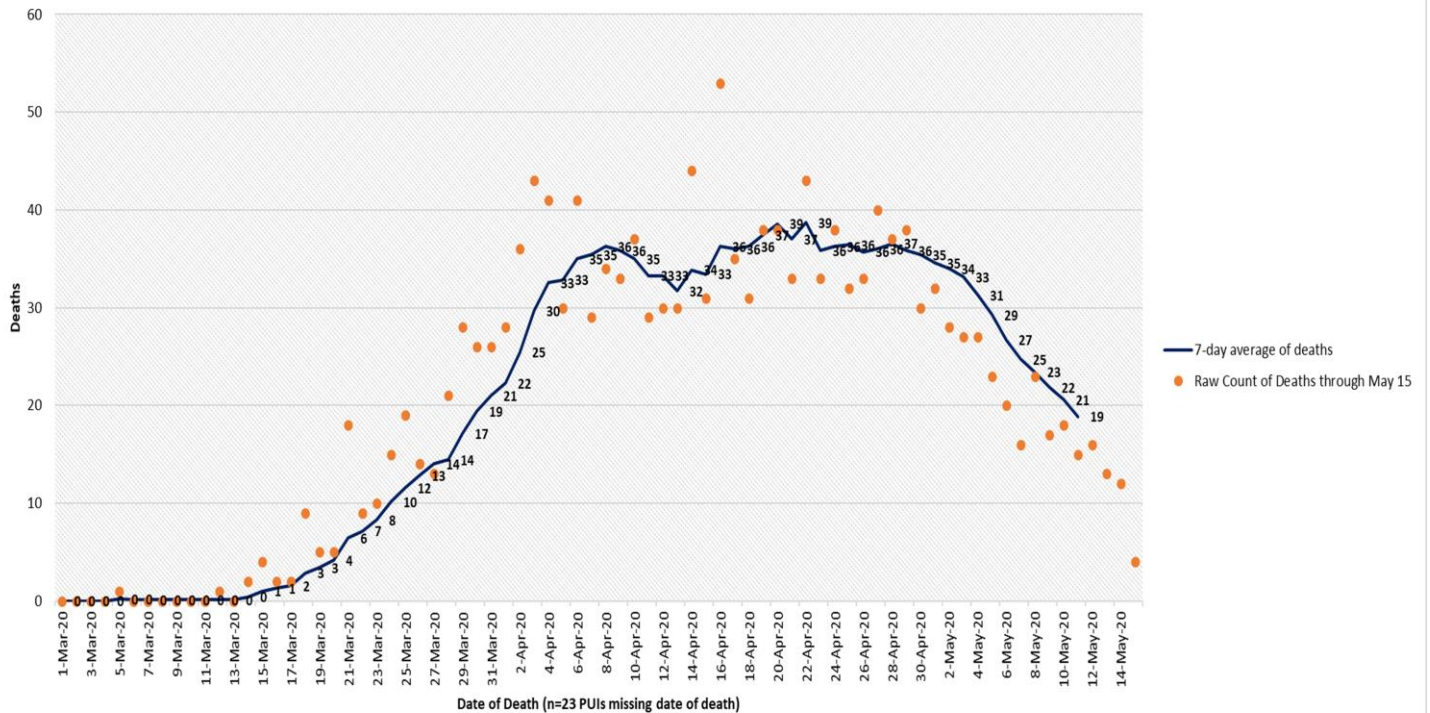**COVID-19 Deaths in Fulton County Daily (Averaged over 7 days)**
March 01, 2020 to May 11, 2020

There were no deaths reported in SENDSS prior to March 01, 2020.

COVID-19 Deaths in Georgia Daily (Averaged over 7 days)
March 01, 2020 to May 11, 2020

There were no deaths reported in SENDSS prior to March 01, 2020.