Fulton County Board of Health Epidemiology Report
## COVID-19 Diagnoses – 5/13/2020

SUMMARY

- As of May 13, 2020, Fulton County has recorded **3,679** cases of the 2019 novel coronavirus (COVID-19) and **149** deaths.
- The central portion of the county (Atlanta metro) has accounted for 46% of the overall case count while northern and southern parts of the county combined have accounted for 42% of the overall case count.
- By city, cumulative COVID-19 diagnoses rates have ranged from 132.7 per 100,000 persons (Johns Creek) to 491.4 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 (5/13/20)
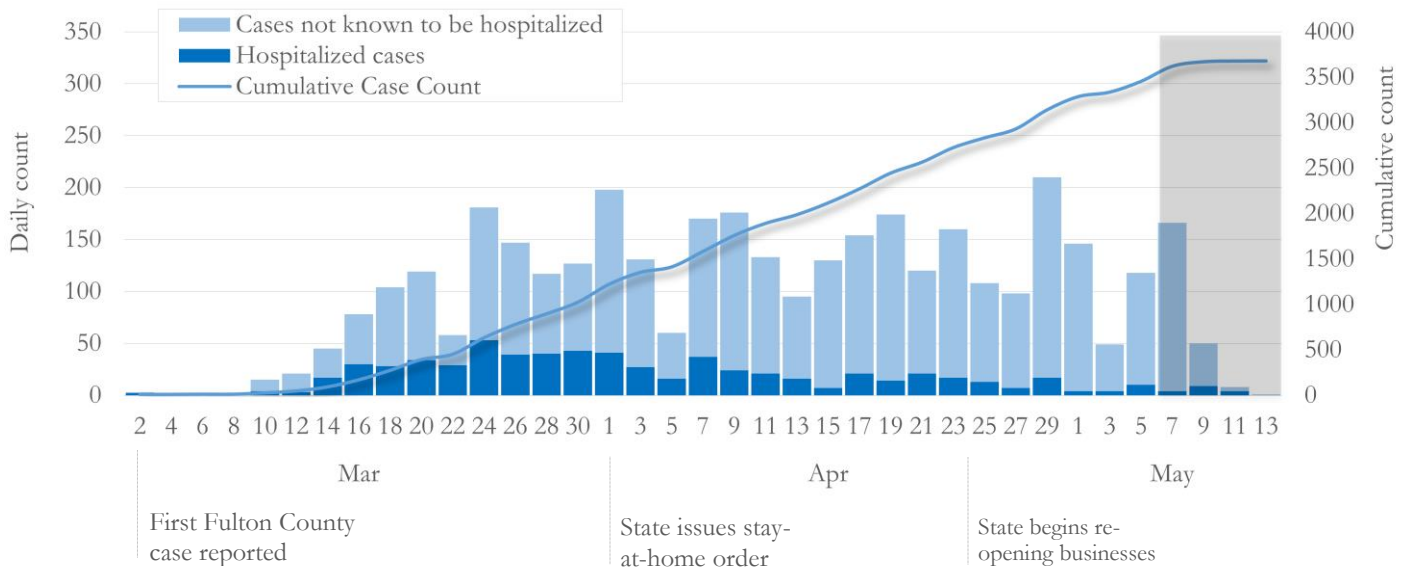
*Counts shown reflect the number of cases diagnosed as at 5/13/20 using the date of first positive sample collection. Where date of sample collection was not available or missing, the date of report creation in GA SENDSS was used instead. **Note:** All data reported are preliminary and subject to change. 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	45.6%
North[1]	21.0%
South[2]	20.8%
Unincorporated/Unknown	12.6%

[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)*

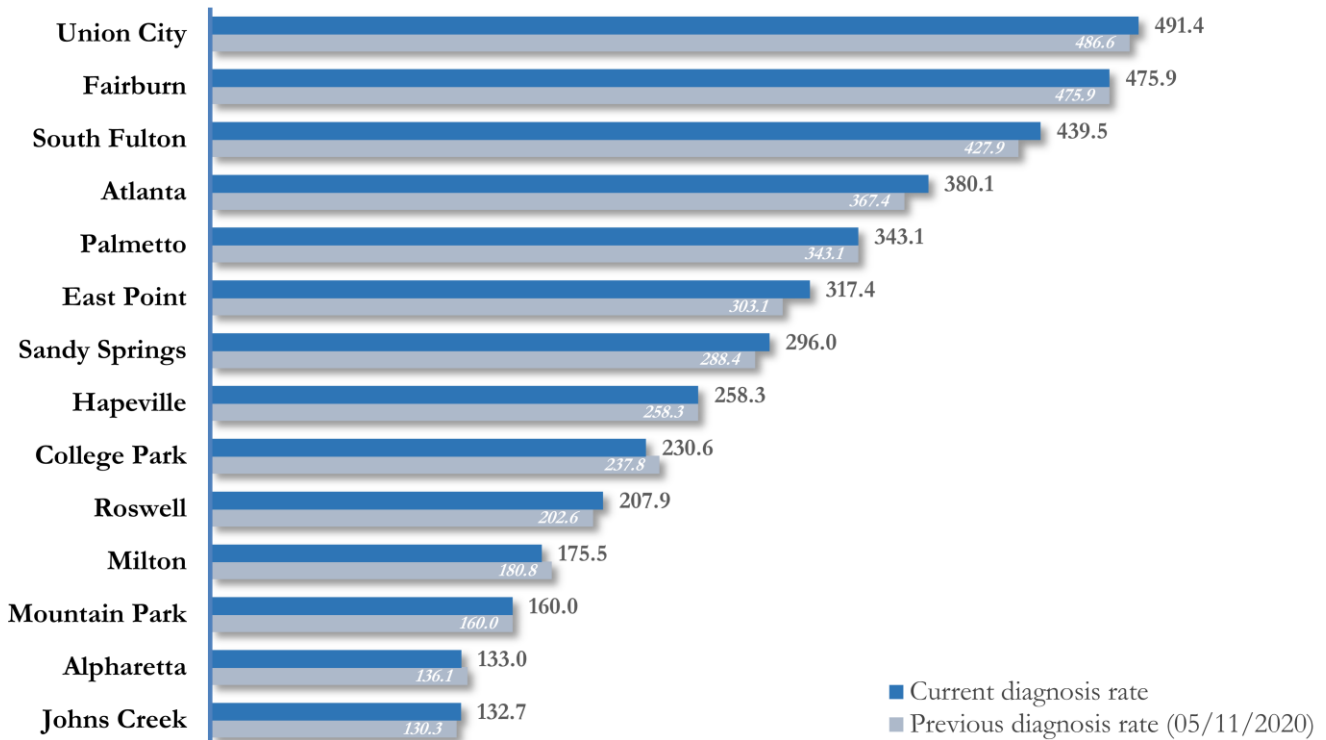Distribution of COVID 19 cases by Region (5/13/20)
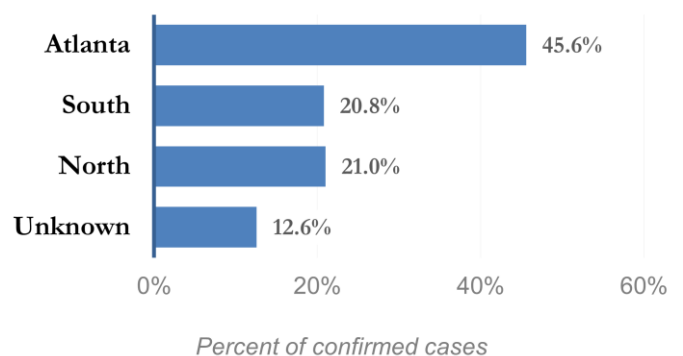
COVID-19 CASE COUNTS AND RATES BY CITY

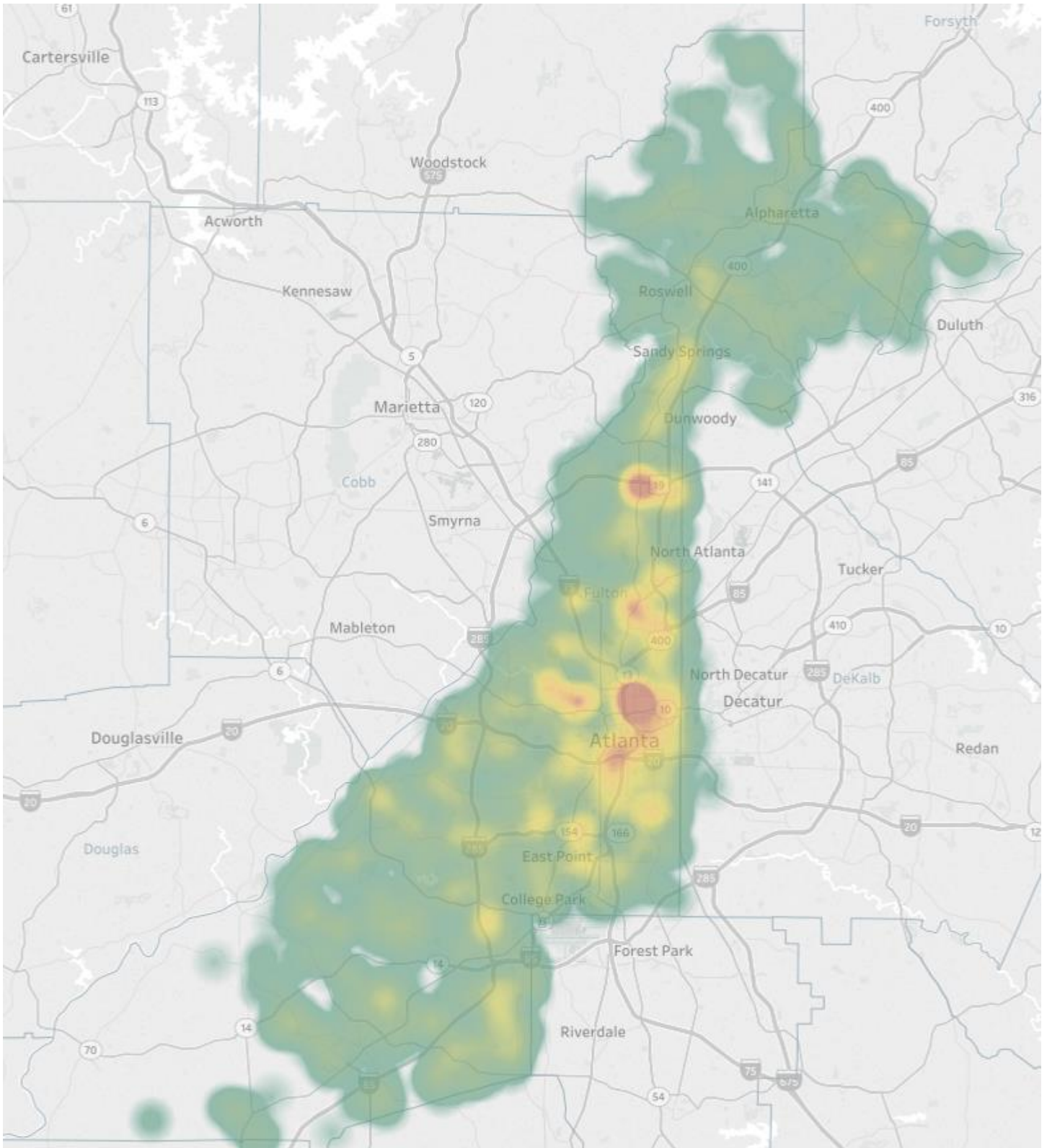|	Previous Count (5/11/2020)	Current Count (5/13/20)	Percent of Current Total	% Change	COVID-19 Diagnoses Rate (per 100,000 persons)*
Atlanta	1621	1677	45.6%	3.5%	380.1
South Fulton	407	418	11.4%	2.7%	439.5
Sandy Springs	304	312	8.5%	2.6%	296.0
Roswell	191	196	5.3%	2.6%	207.9
East Point	106	111	3.0%	4.7%	317.4
Johns Creek	109	111	3.0%	1.8%	132.7
Union City	102	103	2.8%	1.0%	491.4
Alpharetta	88	86	2.3%	-2.3%**	133.0
Milton	69	67	1.8%	-2.9%**	175.5
Fairburn	70	70	1.9%	0.0%	475.9
College Park	33	32	0.9%	-3.0%**	230.6
Palmetto	15	15	0.4%	0.0%	343.1
Hapeville	17	17	0.5%	0.0%	258.3
Mountain Park	<10	<10	0.0%	0.0%	160.0
Unknown	445	463	12.6%	-	-

*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 (05/13/20)

City	Current diagnosis rate	Previous diagnosis rate (05/11/2020)
Union City	491.4	486.6
Fairburn	475.9	475.9
South Fulton	439.5	427.9
Atlanta	380.1	367.4
Palmetto	343.1	343.1
East Point	317.4	303.1
Sandy Springs	296.0	288.4
Hapeville	258.3	258.3
College Park	230.6	237.8
Roswell	207.9	202.6
Milton	175.5	180.8
Mountain Park	160.0	160.0
Alpharetta	133.0	136.1
Johns Creek	132.7	130.3

*Rates shown are per 100,000 persons

Figure 4. Density Map of COVID-19 Cases in Fulton County (5/13/20)

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 (5/13/2020)
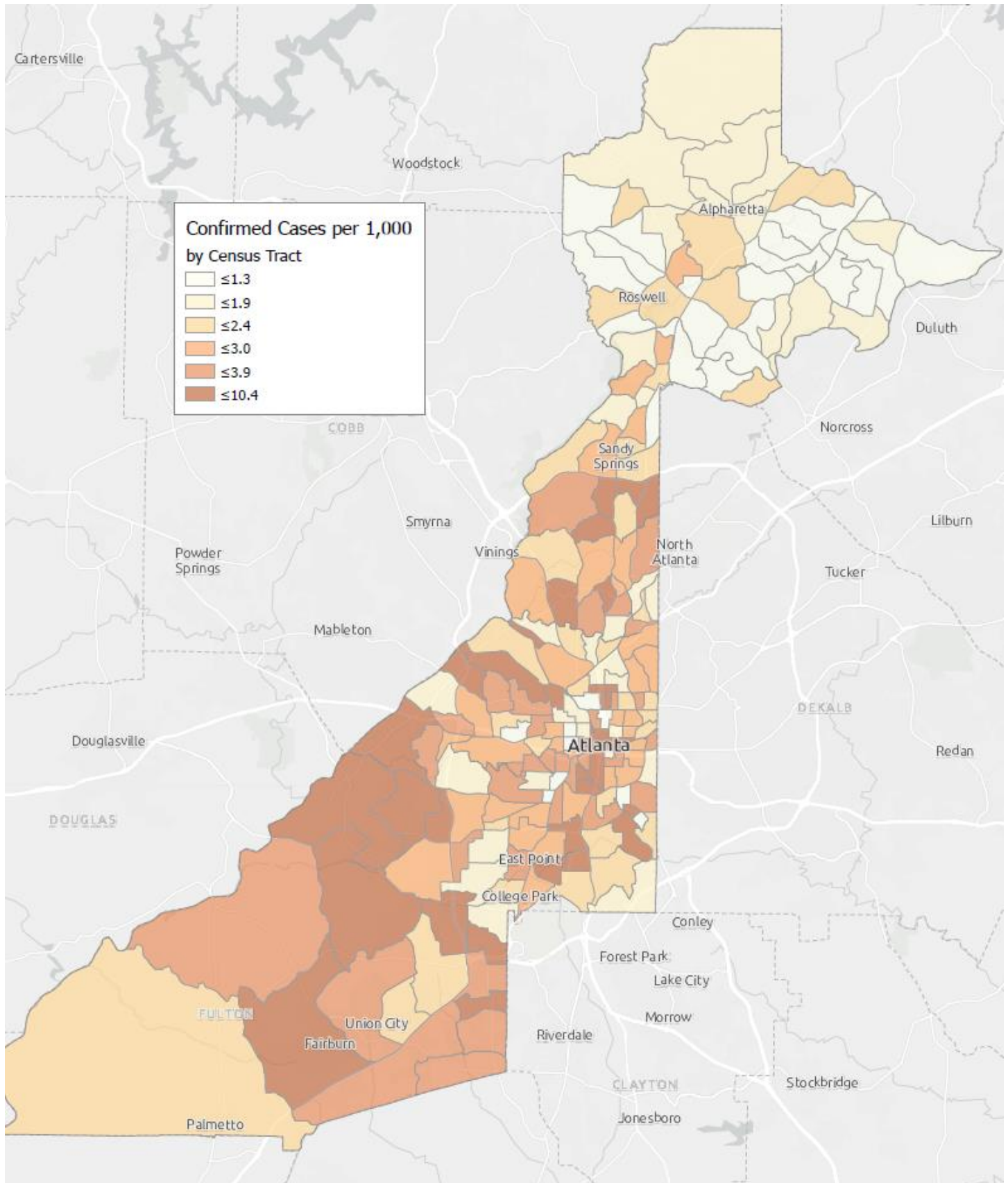
*Rate (per 1000 population)
NB. Data used excludes the outbreak-related cases diagnosed at long-term care facilities and reflects the current geographical distribution of COVID19 diagnoses in

COVID-19 CASE COUNTS BY ZIP CODE

ZIP code	Previous Count (5/11/2020)	Current Count (5/13/20)	Percent of Current Total	% Change
30331	295	307	8.3%	4.1%
30318	209	218	5.9%	4.3%
30349	206	212	5.8%	2.9%
30213	158	158	4.3%	0.0%
30315	116	122	3.3%	5.2%
30344	101	106	2.9%	5.0%
30311	108	111	3.0%	2.8%
30342	154	160	4.3%	3.9%
30314	72	73	2.0%	1.4%
30310	104	106	2.9%	1.9%
30308	74	77	2.1%	4.1%
30022	81	83	2.3%	2.5%
30327	84	88	2.4%	4.8%
30004	88	86	2.3%	-2.3%**
30309	127	129	3.5%	1.6%
30076	73	75	2.0%	2.7%
30291	131	131	3.6%	0.0%
30350	70	71	1.9%	1.4%
30075	110	111	3.0%	0.9%
30328	84	84	2.3%	0.0%
30316	36	36	1.0%	0.0%
30312	193	196	5.3%	1.6%
30005	49	47	1.3%	-4.1%**
30305	79	85	2.3%	7.6%
30306	47	50	1.4%	6.4%
30324	72	78	2.1%	8.3%
30337	30	30	0.8%	0.0%
30009	38	38	1.0%	0.0%
30313	34	35	1.0%	2.9%
30326	24	24	0.7%	0.0%
30097	35	37	1.0%	5.7%
30354	33	34	0.9%	3.0%
30303	30	30	0.8%	0.0%
30339	13	12	0.3%	-7.7%**
30268	21	22	0.6%	4.8%
30307	16	16	0.4%	0.0%
30319	26	25	0.7%	-3.8%**
30336	12	12	0.3%	0.0%
30296	10	10	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	0.2%	-
30341	14	15	0.4%	7.1%
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	268	281	7.6%	-

*** 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 (5/13/20)

- Had symptoms
- Did not have symptoms

20.6%

79.4%
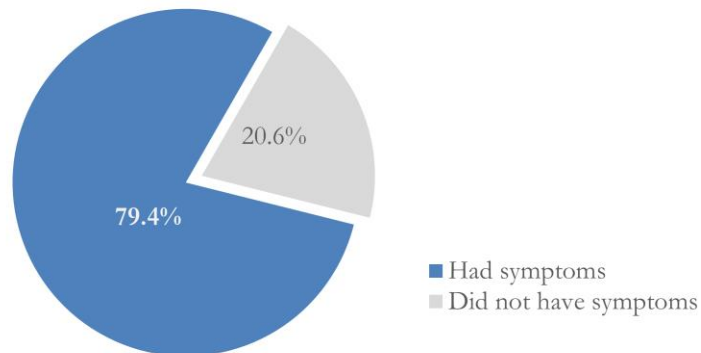
COVID-19 cases who have been case interviewed or had medical charts reviewed as at 5/13/20 only
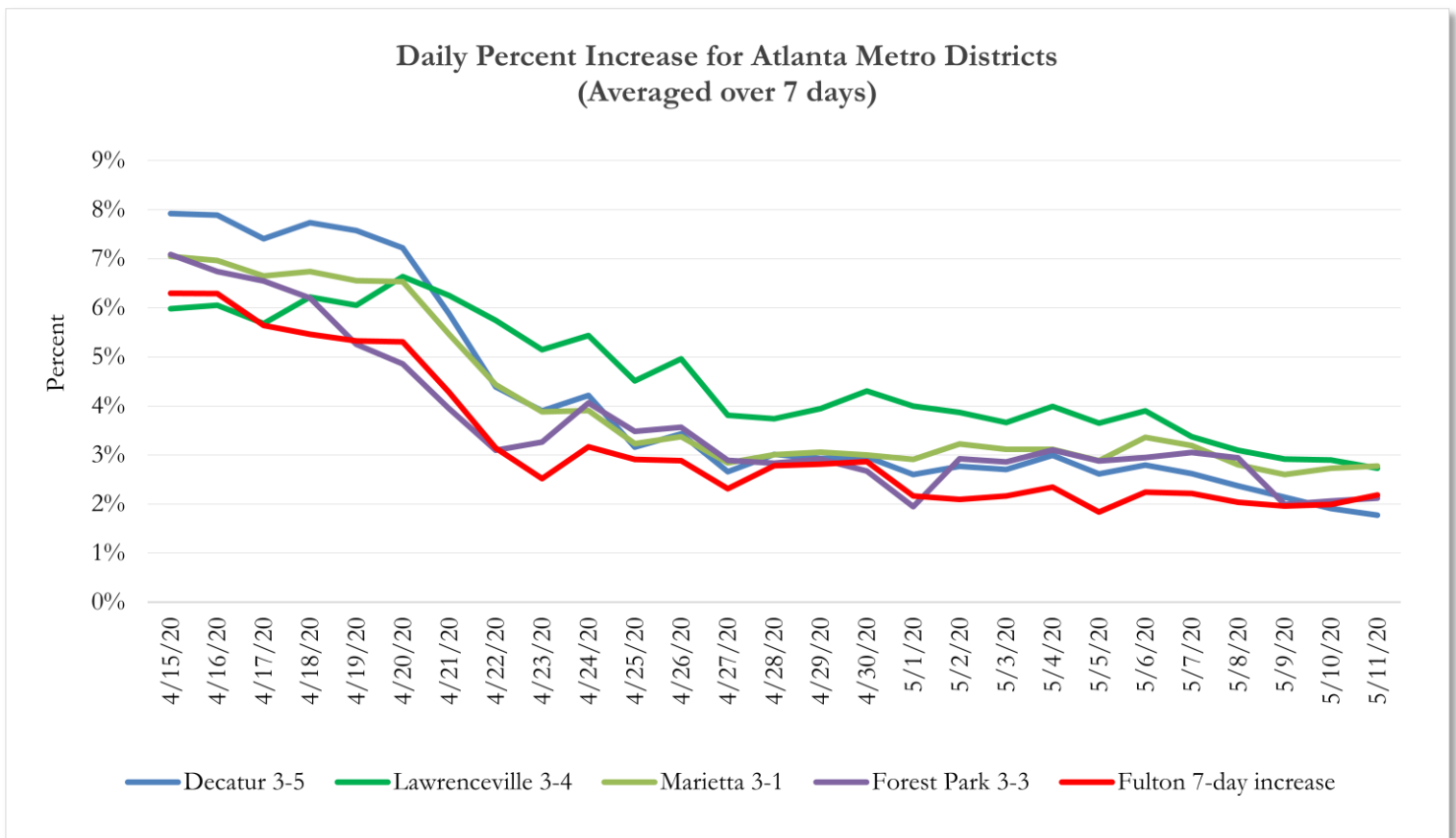
HOSPITALIZATIONS AND DEATHS

Figure 7. Hospitalizations, ICU Admissions and Deaths among COVID-19 Diagnoses in Fulton County (5/13/20)

Percent of all COVID19 diagnoses

- Hospitalized: 17.9%
- Admitted to ICU: 5.1%
- Intubated: 2.8%
- Died: 4.1%
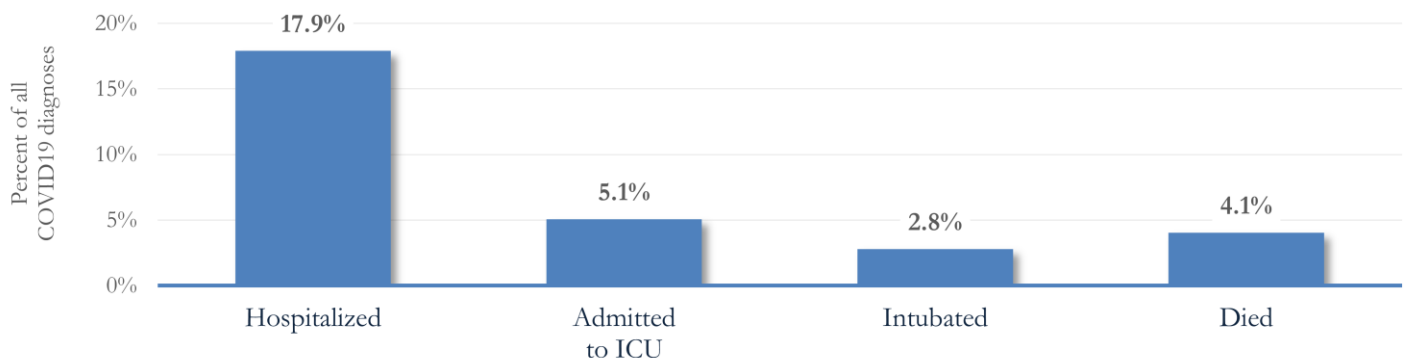
DEMOGRAPHIC DISTRIBUTION & MORBIDITY AND MORTALITY TRENDS

|		North Fulton Cities[1] n (%)	Atlanta n (%)	South Fulton Cities[2] n (%)	Unknown n (%)	All Fulton n (%)
Total COVID cases		773	1677	766	463	3679
Gender:	Female	385 (49.8%)	788 (47.0%)	445 (58.1%)	244 (52.7%)	1862 (50.6%)
	Male	385 (49.8%)	881 (52.5%)	317 (41.4%)	205 (44.3%)	1788 (48.6%)
	Unknown	<10	<10	<10	14 (3.0%)	29 (0.8%)
Age:	<15	<10	11 (0.7%)	<10	<10	31 (0.8%)
	15-24	64 (8.3%)	78 (4.7%)	40 (5.2%)	27 (5.8%)	209 (5.7%)
	25-34	101 (13.1%)	263 (15.7%)	78 (10.2%)	85 (18.4%)	527 (14.3%)
	35-44	132 (17.1%)	270 (16.1%)	122 (15.9%)	82 (17.7%)	606 (16.5%)
	45-54	160 (20.7%)	238 (14.2%)	155 (20.2%)	82 (17.7%)	635 (17.3%)
	55-64	135 (17.5%)	289 (17.2%)	133 (17.4%)	70 (15.1%)	627 (17.0%)
	>65	172 (22.3%)	512 (30.5%)	228 (29.8%)	107 (23.1%)	1019 (27.7%)
	Unknown	<10	16 (1.0%)	<10	<10	25 (0.7%)
Race:	Asian, NH	41 (5.3%)	20 (1.2%)	<10	<10	71 (1.9%)
	Black, NH	120 (15.5%)	895 (53.4%)	579 (75.6%)	164 (35.4%)	1758 (47.8%)
	White, NH	286 (37.0%)	261 (15.6%)	46 (6.0%)	68 (14.7%)	661 (18.0%)
	Hispanic	79 (10.2%)	42 (2.5%)	25 (3.3%)	25 (5.4%)	171 (4.6%)
	Other, NH	25 (3.2%)	26 (1.6%)	11 (1.4%)	10 (2.2%)	72 (2.0%)
	Unknown	222 (28.7%)	433 (25.8%)	104 (13.6%)	187 (40.4%)	946 (25.7%)

[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.

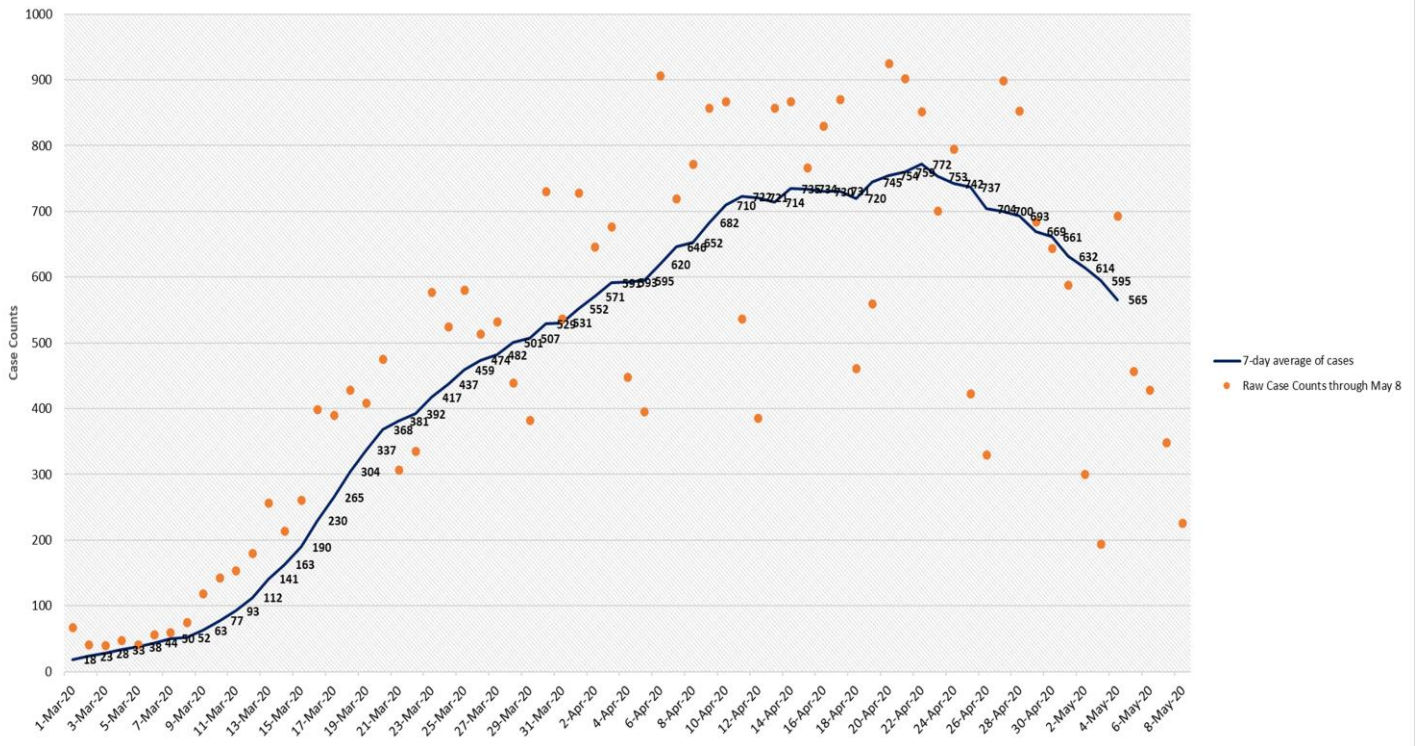### New COVID-19 Cases in Fulton County Daily (Averaged over 7 days)
March 01, 2020 to May 04, 2020
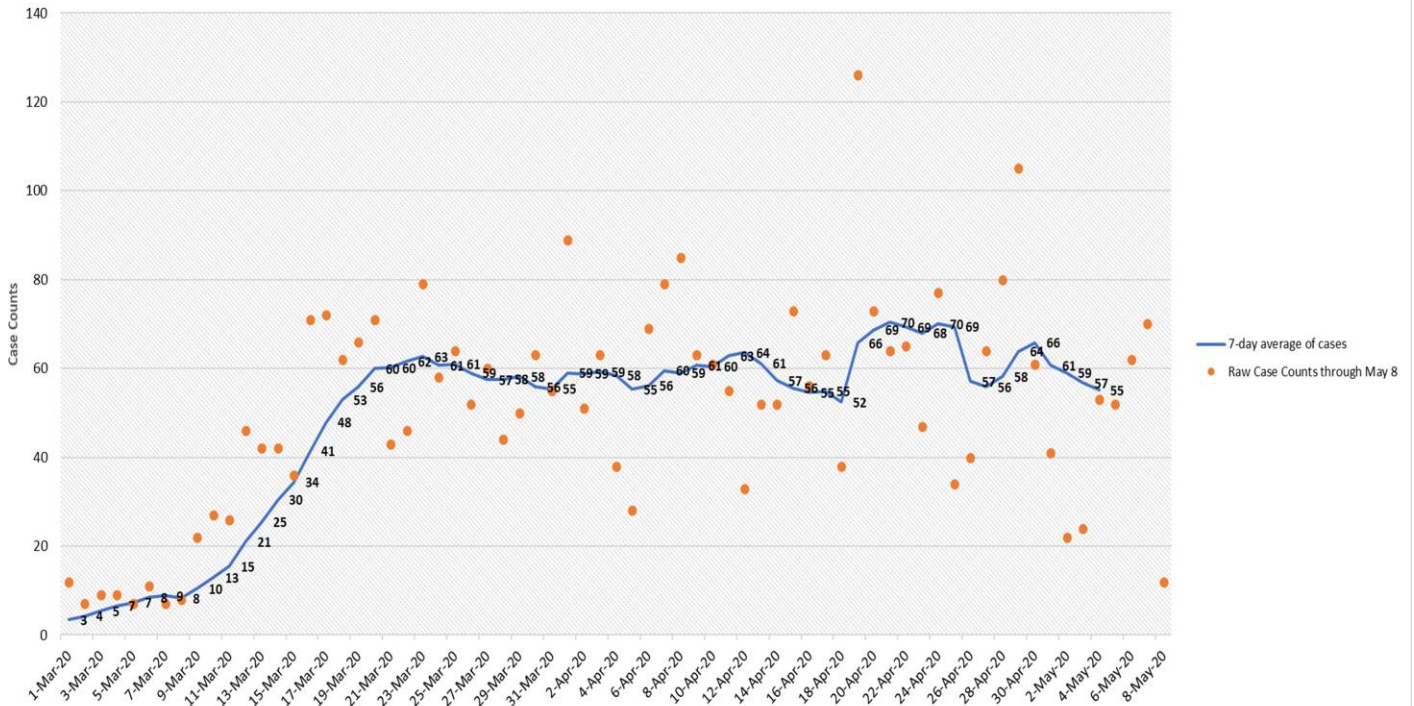
Date is the earliest date when comparing the date of symptom onset, date of positive sample collection, and date of report for each PUI. 0 PUIs had an invalid or unknown date. Chart to be updated weekly.

New COVID-19 Cases in Georgia Daily (Averaged over 7 days)
March 01, 2020 to May 04, 2020

Date is the earliest date when comparing the date of symptom onset, date of positive sample collection, and date of report for each PUI. 0 PUIs had an invalid or unknown date. Chart to be updated weekly.

COVID-19 Deaths in Fulton County Daily (Averaged over 7 days)
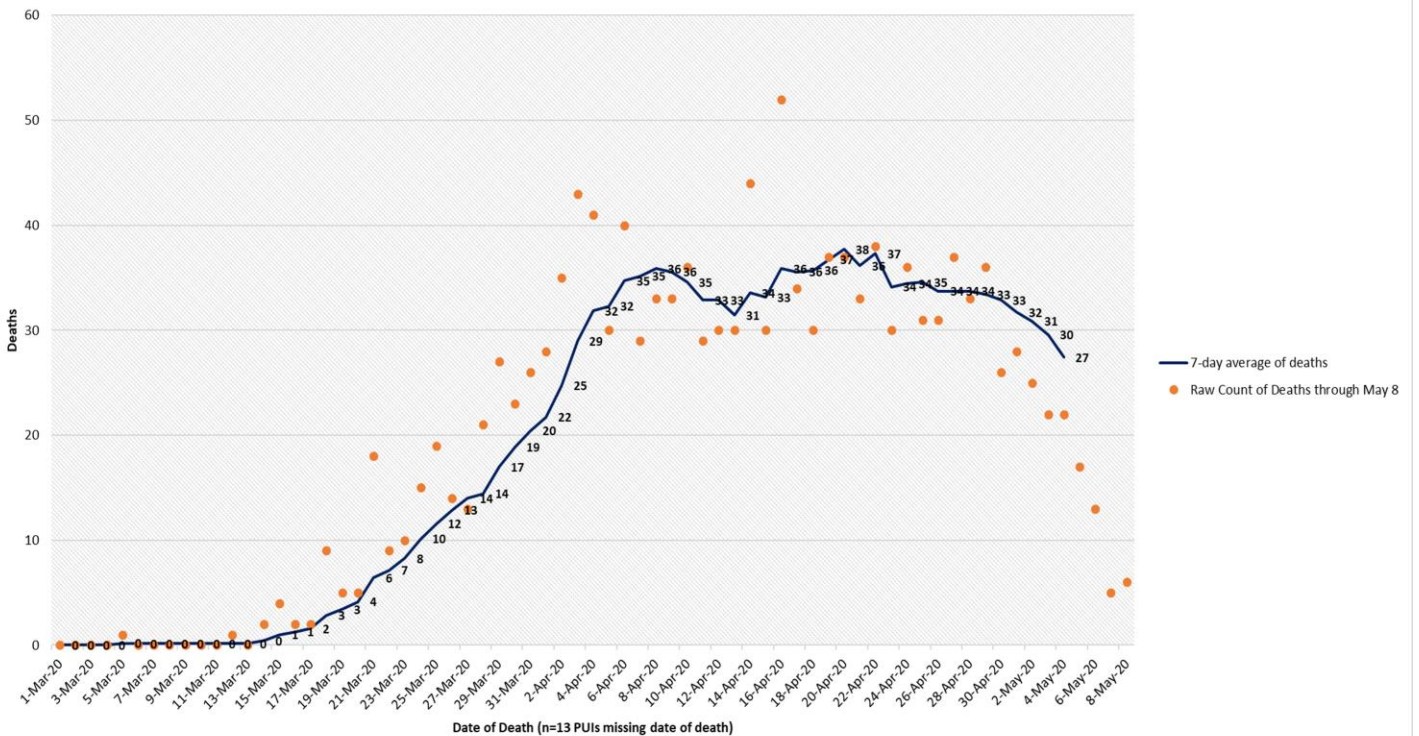### March 01, 2020 to May 04, 2020
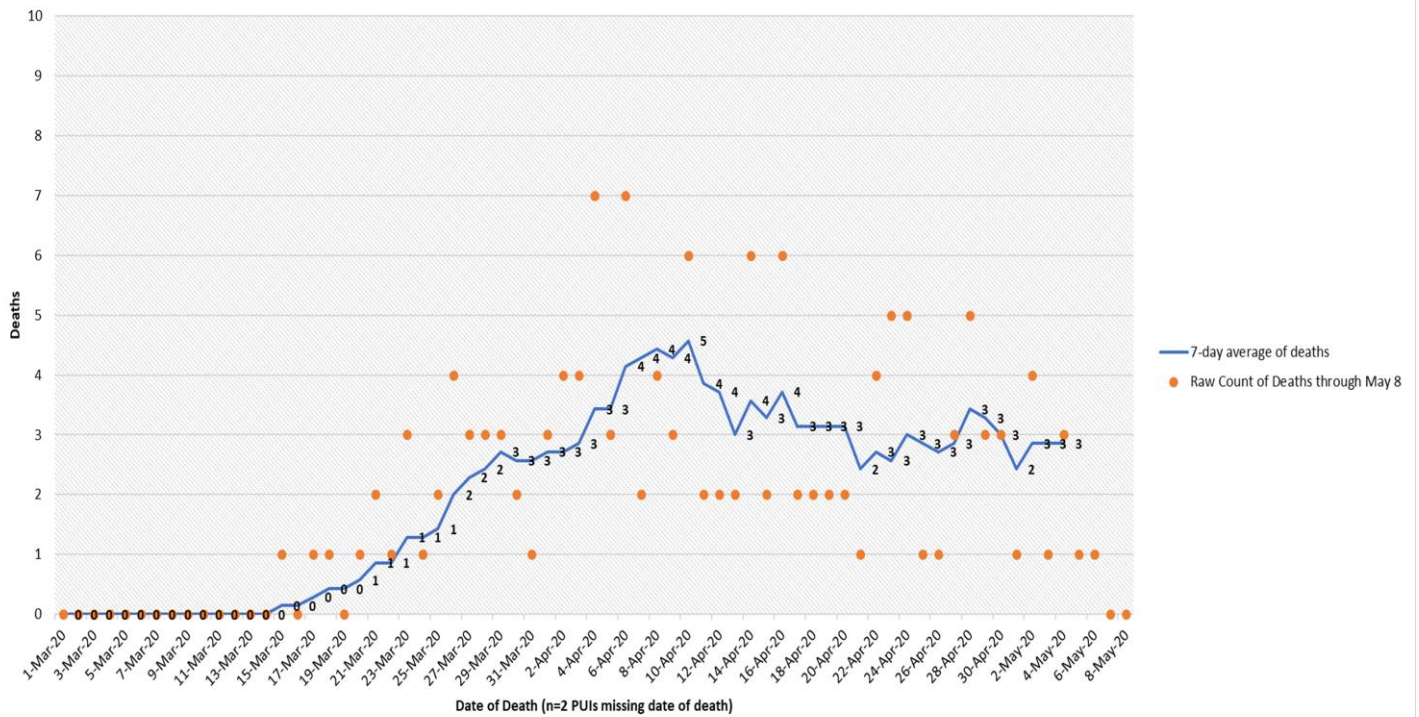
*There were no deaths reported in SENDSS prior to March 01, 2020. Chart to be updated weekly

COVID-19 Deaths in Georgia Daily (Averaged over 7 days)
March 01, 2020 to May 04, 2020

*There were no deaths reported in SENDSS prior to March 01, 2020. Chart to be updated weekly