Fulton County Board of Health Epidemiology Report
COVID-19 Diagnoses – 5/27/2020

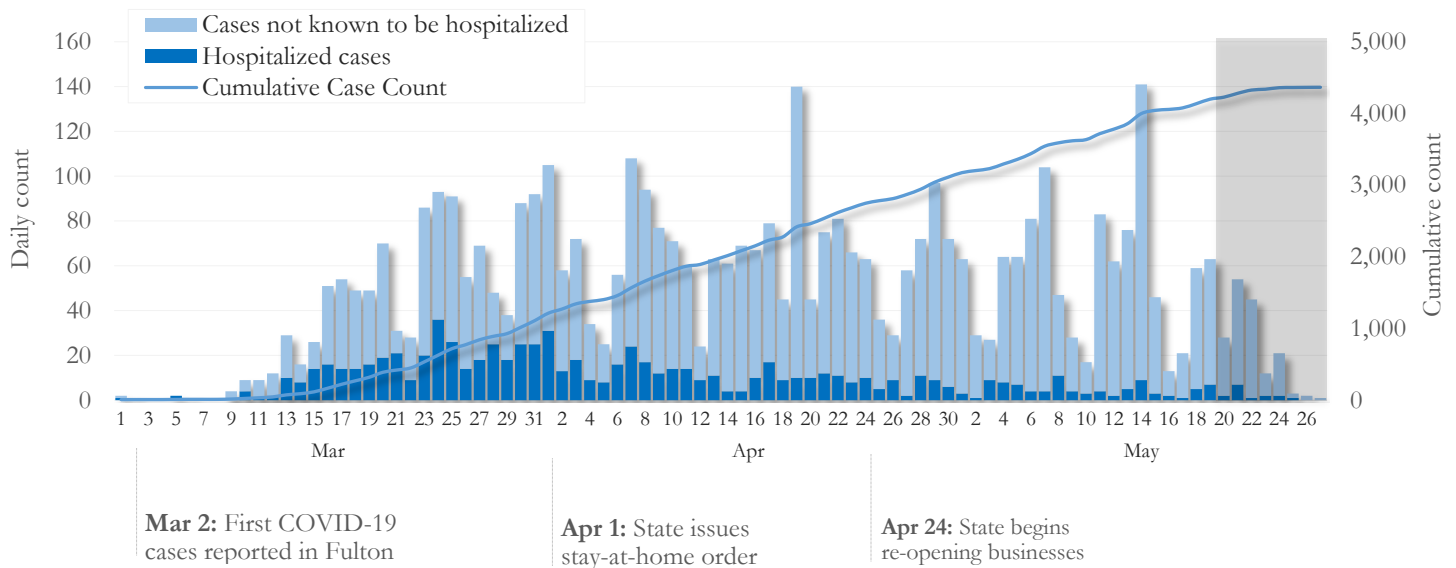**FULTON COUNTY**
BOARD OF HEALTH

SUMMARY

- As of May 27, 2020, Fulton County has recorded **4,365** cases of the 2019 novel coronavirus (COVID-19) and **211** deaths.
- The central portion of the county (Atlanta metro) accounts for 46% of the cumulative case count while the northern and southern parts of the county together account for 43% of the COVID-19 cumulative case count in the county.
- By city, cumulative COVID-19 diagnoses rates range from 135.1 per 100,000 persons (Johns Creek) to 811.1 per 100,000 persons (Union City).
- Among all persons diagnosed with COVID-19 in Fulton County, 18.6% required hospitalization and 4.8% died.
- Residents and staff of long-term care facilities account for 24% of COVID-19 diagnoses and 42% of COVID-19 deaths in Fulton County.

Fig. 1. Daily and Cumulative COVID-19 diagnoses in Fulton County, GA (5/27/20)

Mar 2: First COVID-19 cases reported in Fulton

Apr 1: State issues stay-at-home order

Apr 24: State begins re-opening businesses

*Counts shown reflect the number of confirmed cases as of 5/27/20 9:00am 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.*
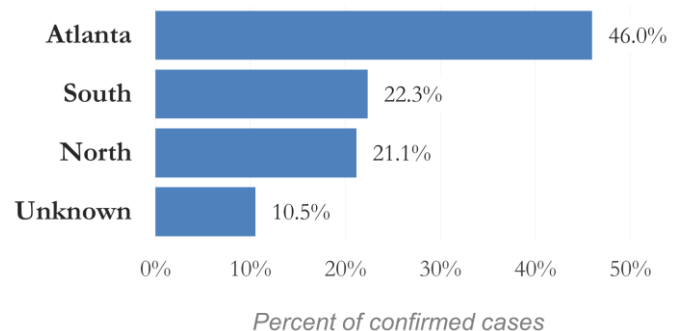
DISTRIBUTION OF COVID-19 DIAGNOSES BY REGION

New cases: 48% of the new COVID-19 cases diagnosed in the past 2 weeks occurred in Atlanta while 25% and 21% occurred in the Northern and Southern regions of the county respectively.

Fulton Region	% Cumulative count	% New cases*
Atlanta	46.0%	48.4%
North[1]	21.1%	24.6%
South[2]	22.3%	21.0%
Unincorporated/Unknown	10.5%	6.0%

[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, and Union City)* *****New cases***: Cases diagnosed in the past 2weeks only (using the date of sample collection).*

Fig. 2. Distribution of Cumulative COVID-19 Case Count by Region (5/27/20)
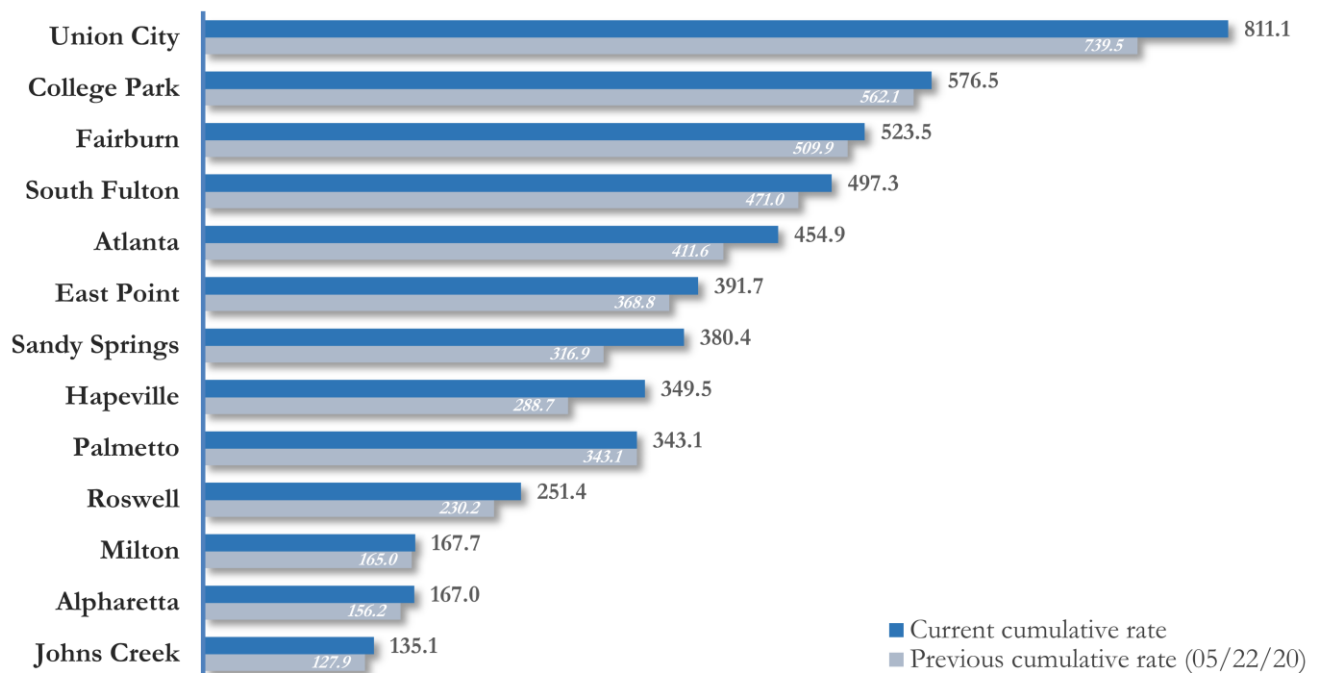

Percent of confirmed cases

COVID-19 CASE COUNTS AND RATES BY CITY

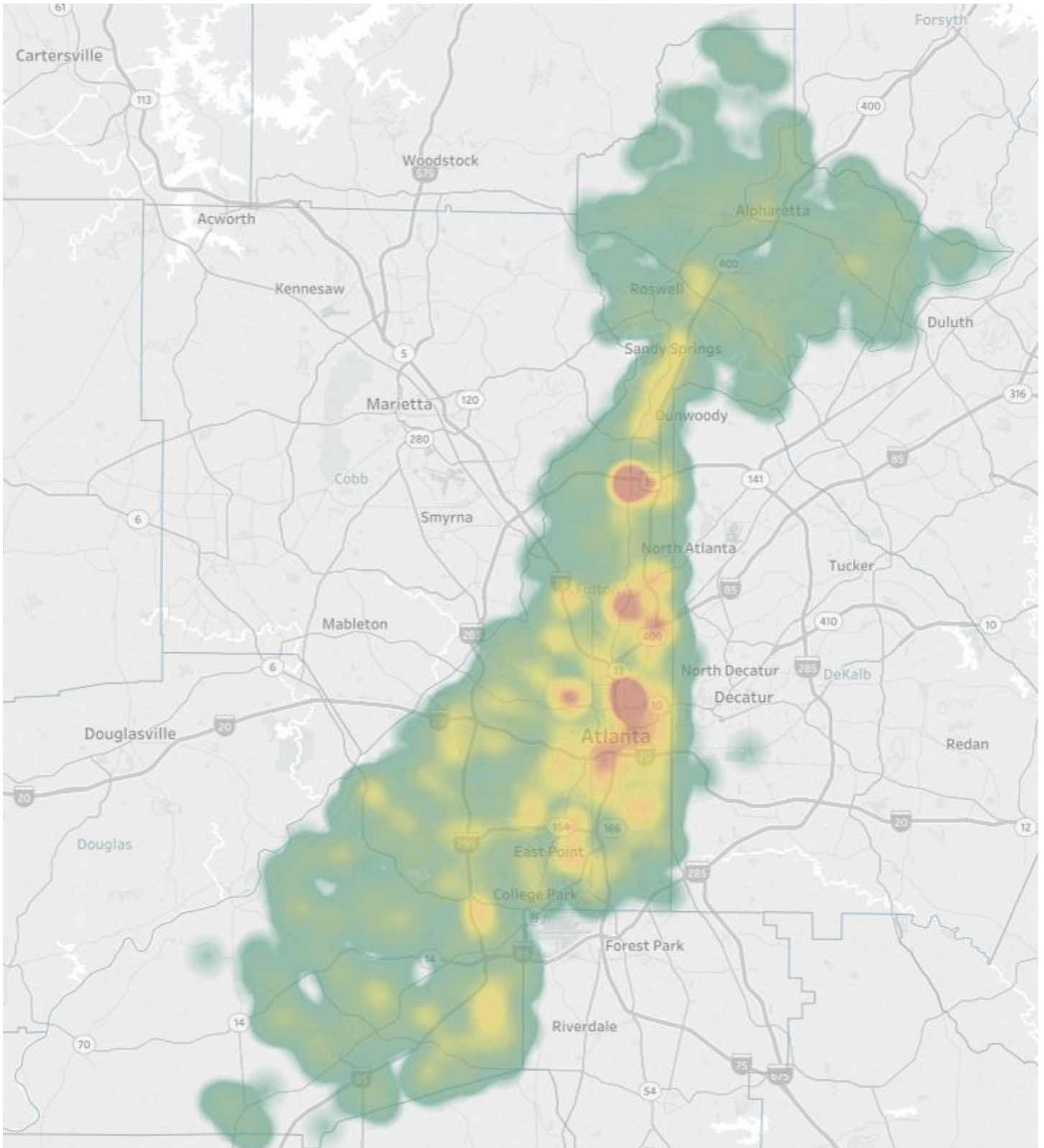|	Prior Count (5/22/2020)	Current Count (5/27/20)	Percent (County Total)	% Change from prior Count	Cumulative Rate (Per 100,000 pop.)	New Cases Diagnosed in Past 14 Days[1] (Count)
Atlanta	1816	2007	46.0%	10.5%	454.9	283
South Fulton	448	473	10.8%	5.6%	497.3	41
Sandy Springs	334	401	9.2%	20.1%	380.4	81
Roswell	217	237	5.4%	9.2%	251.4	32
East Point	129	137	3.1%	6.2%	391.7	12
Johns Creek	107	113	2.6%	5.6%	135.1	<10
Union City	155	170	3.9%	9.7%	811.1	52
Alpharetta	101	108	2.5%	6.9%	167.0	19
Milton	63	64	1.5%	1.6%	167.7	<10
Fairburn	75	77	1.8%	2.7%	523.5	<10
College Park	78	80	1.8%	2.6%	576.5	11
Palmetto	15	15	0.3%	0.0%	343.1	No new cases
Hapeville	19	23	0.5%	21.1%	349.5	<10
Mountain Park	<10	<10	0.0%	-	-	No new cases
Unknown	502	460	10.5%	-	-	-

*Population estimates from US Census Bureau used to calculate diagnoses rates. ** 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 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:** Sharp increases in territorial COVID case counts often reflect new cases diagnosed at long term care facilities located in those territories during facility-wide /mass screening events. [1]**New cases:** Cases diagnosed in the past 2 weeks only (using the date of sample collection). **All data reported are preliminary and subject to change.***

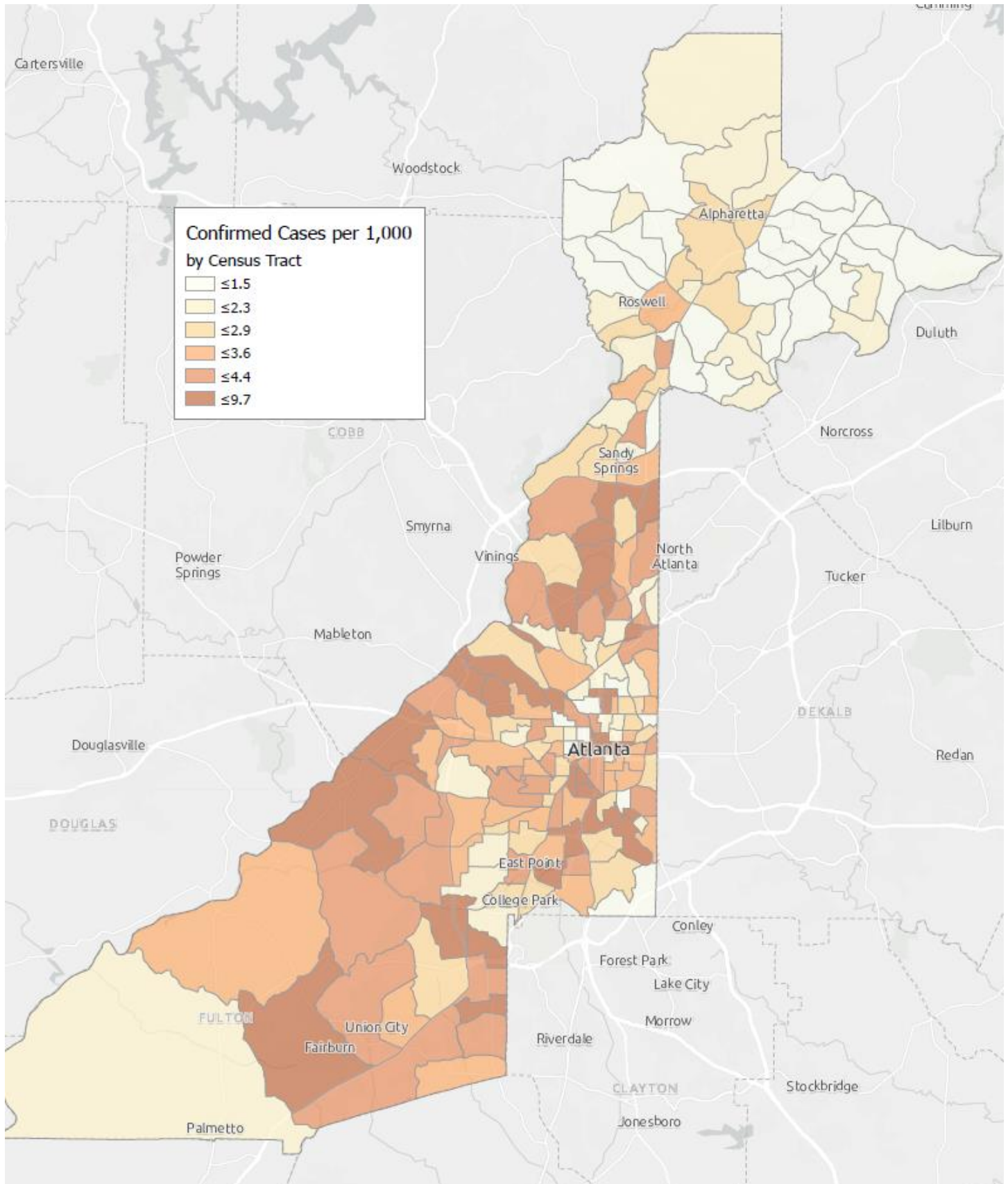Fig. 3. COVID-19 Diagnoses Rate in Fulton County by City (05/27/20)

Rates shown are per 100,000 persons | **Note: Mass testing in specific locations (e.g. long term care facilities) may cause sharp increases in the cumulative rate of COVID-19 diagnosis in those territories. All data shown are preliminary and are subject to change as testing results get updated.*

Fig. 4. Density Map of COVID-19 Cases in Fulton County (5/27/20)

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.

Fig. 5. COVID19 Diagnosis Rates in Fulton County by Census Tract (5/27/2020)

Rates shown are per 1,000 populations.
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	Prior Count (5/22/2020)	Current Count (5/27/20)	Percent (County Total)	% Change from Prior ZIP-level Count	New Cases Diagnosed in Past 14 Days[1] (Count)
30331	334	346	7.9%	3.6%	29
30318	225	256	5.9%	13.8%	31
30349	234	255	5.8%	9.0%	30
30213	173	178	4.1%	2.9%	15
30315	134	146	3.3%	9.0%	17
30344	123	131	3.0%	6.5%	10
30311	116	128	2.9%	10.3%	13
30342	164	209	4.8%	27.4%	49
30314	152	169	3.9%	11.2%	75
30310	118	132	3.0%	11.9%	14
30308	77	80	1.8%	3.9%	<10
30022	88	97	2.2%	10.2%	14
30327	82	99	2.3%	20.7%	18
30004	89	91	2.1%	2.2%	<10
30309	130	138	3.2%	6.2%	15
30076	75	87	2.0%	16.0%	12
30291	177	195	4.5%	10.2%	49
30350	75	86	2.0%	14.7%	14
30075	129	135	3.1%	4.7%	17
30328	89	101	2.3%	13.5%	19
30316	38	43	1.0%	13.2%	<10
30312	204	218	5.0%	6.9%	16
30005	47	47	1.1%	0.0%	<10
30305	81	102	2.3%	25.9%	16
30306	44	46	1.1%	4.5%	<10
30324	88	105	2.4%	19.3%	21
30337	72	75	1.7%	4.2%	10
30009	46	49	1.1%	6.5%	<10
30313	34	38	0.9%	11.8%	<10
30326	24	27	0.6%	12.5%	<10
30097	39	41	0.9%	5.1%	<10
30354	35	40	0.9%	14.3%	<10
30303	30	31	0.7%	3.3%	<10
30339	12	12	0.3%	0.0%	<10
30268	21	21	0.5%	0.0%	No new cases
30307	15	18	0.4%	20.0%	<10
30319	27	27	0.6%	0.0%	<10
30336	12	15	0.3%	25.0%	<10
30296	10	10	0.2%	0.0%	No new cases
30363	<10	<10	0.2%	-	No new cases
30301	<10	<10	<0.1%	-	<10
30345	<10	10	0.2%	-	<10
31131	<10	<10	<0.1%	-	No new cases
30023	<10	<10	<0.1%	-	<10
30080	<10	<10	<0.1%	-	No new cases
30135	<10	<10	<0.1%	-	No new cases
30138	<10	<10	<0.1%	-	No new cases
30139	<10	<10	<0.1%	-	No new cases
30321	<10	<10	<0.1%	-	No new cases
30340	<10	<10	0.2%	-	<10
30341	16	17	0.4%	6.3%	<10

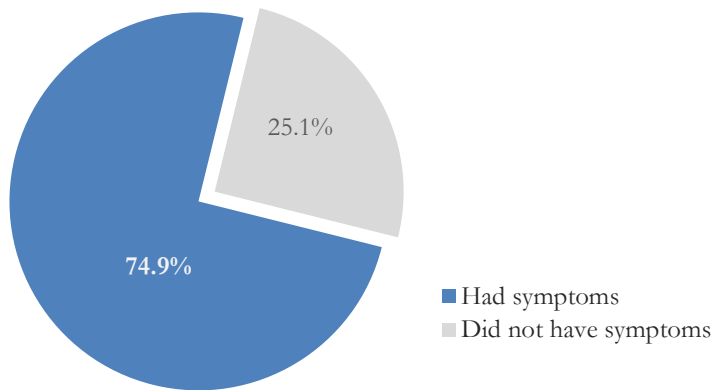|					
30358	<10	<10	<0.1%	-	No new cases
30374	19	18	0.4%	-5.3%**	No new cases
30606	<10	<10	<0.1%	-	No new cases
31150	<10	<10	<0.1%	-	No new cases
30024	<10	<10	<0.1%	-	No new cases
30098	<10	<10	<0.1%	-	No new cases
30334	<10	<10	<0.1%	-	<10
30338	<10	<10	<0.1%	-	<10
Unknown	319	261	6.0%	-	-

*** 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 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:** Sharp increases in territorial COVID case counts often reflect new cases diagnosed at long term care facilities located in those territories during facility-wide/mass screening events. [1]**New cases:** Cases diagnosed in the past 2 weeks only (using the date of sample collection). **All data reported are preliminary and subject to change**.*

REPORTING SYMPTOMS AMONG PERSONS DIAGNOSED WITH COVID-19 IN FULTON

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)
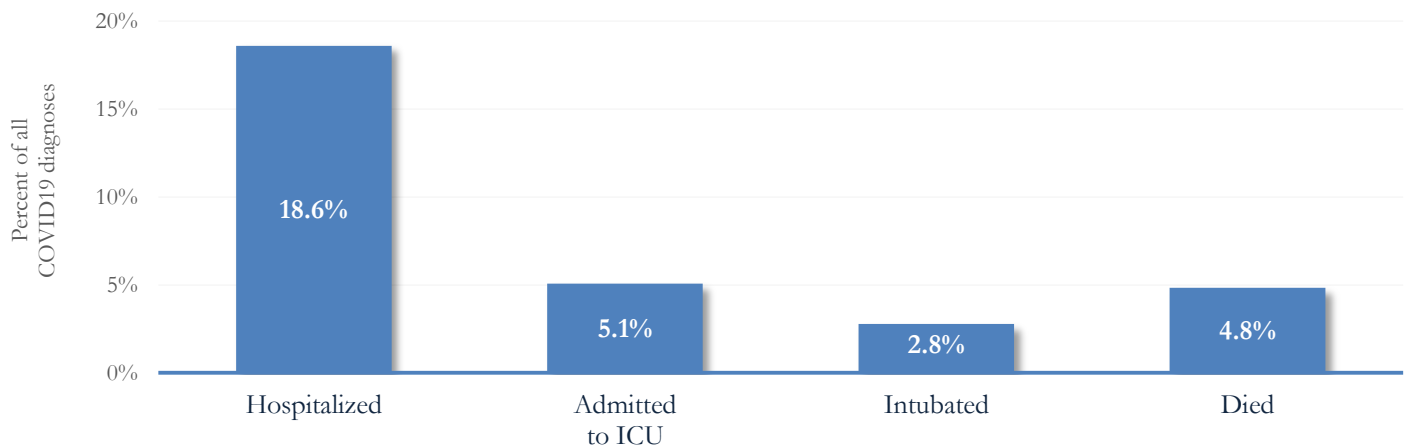https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html

Fig. 6. Proportion reporting Symptoms in Fulton County (5/27/20)

25.1%

74.9%

■ Had symptoms
■ Did not have symptoms

****COVID-19 cases who have been case interviewed or had medical charts reviewed as at 5/27/20 only***

COVID-19 HOSPITALIZATIONS, ICU ADMISSIONS AND DEATHS IN FULTON

Fig. 7. Hospitalizations, ICU Admissions and Deaths among COVID-19 Diagnoses in Fulton County (5/27/20)

DEMOGRAPHIC DISTRIBUTIONS – COVID 19 DIAGNOSES AND DEATHS IN FULTON

Distribution of COVID-19 diagnoses in Fulton County by Fulton Region – 05/27/20

	North Fulton Cities[1] Count (%)	Atlanta Count (%)	South Fulton Cities[2] Count (%)	Unknown City Count (%)	All Fulton Count (%)
Total COVID-19 cases	923	2007	975	460	4365
Gender: Female	451 (48.9%)	979 (48.8%)	561 (57.5%)	250 (54.3%)	2241 (51.3%)
Male	466 (50.5%)	1010 (50.3%)	407 (41.7%)	202 (43.9%)	2085 (47.8%)
Unknown	<10	18 (0.9%)	<10	<10	39 (0.9%)
Age: <15	19 (2.1%)	16 (0.8%)	<10	11 (2.4%)	55 (1.3%)
15-24	84 (9.1%)	116 (5.8%)	49 (5.0%)	30 (6.5%)	279 (6.4%)
25-34	131 (14.2%)	315 (15.7%)	98 (10.1%)	91 (19.8%)	635 (14.5%)
35-44	159 (17.2%)	302 (15.0%)	143 (14.7%)	75 (16.3%)	679 (15.6%)
45-54	175 (19.0%)	288 (14.3%)	182 (18.7%)	73 (15.9%)	718 (16.4%)
55-64	158 (17.1%)	315 (15.7%)	180 (18.5%)	65 (14.1%)	718 (16.4%)
≥65	195 (21.1%)	639 (31.8%)	311 (31.9%)	110 (23.9%)	1255 (28.8%)
Unknown	<10	16 (0.8%)	<10	<10	26 (0.6%)
Race: Asian, NH	44 (4.8%)	21 (1.0%)	<10	10 (2.2%)	76 (1.7%)
Black, NH	132 (14.3%)	1086 (54.1%)	710 (72.8%)	170 (37.0%)	2098 (48.1%)
White, NH	320 (34.7%)	311 (15.5%)	71 (7.3%)	76 (16.5%)	778 (17.8%)
Hispanic	120 (13.0%)	60 (3.0%)	34 (3.5%)	36 (7.8%)	250 (5.7%)
Other, NH	28 (3.0%)	38 (1.9%)	14 (1.4%)	14 (3.0%)	94 (2.2%)
Unknown	279 (30.2%)	491 (24.5%)	145 (14.9%)	154 (33.5%)	1069 (24.5%)

[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.
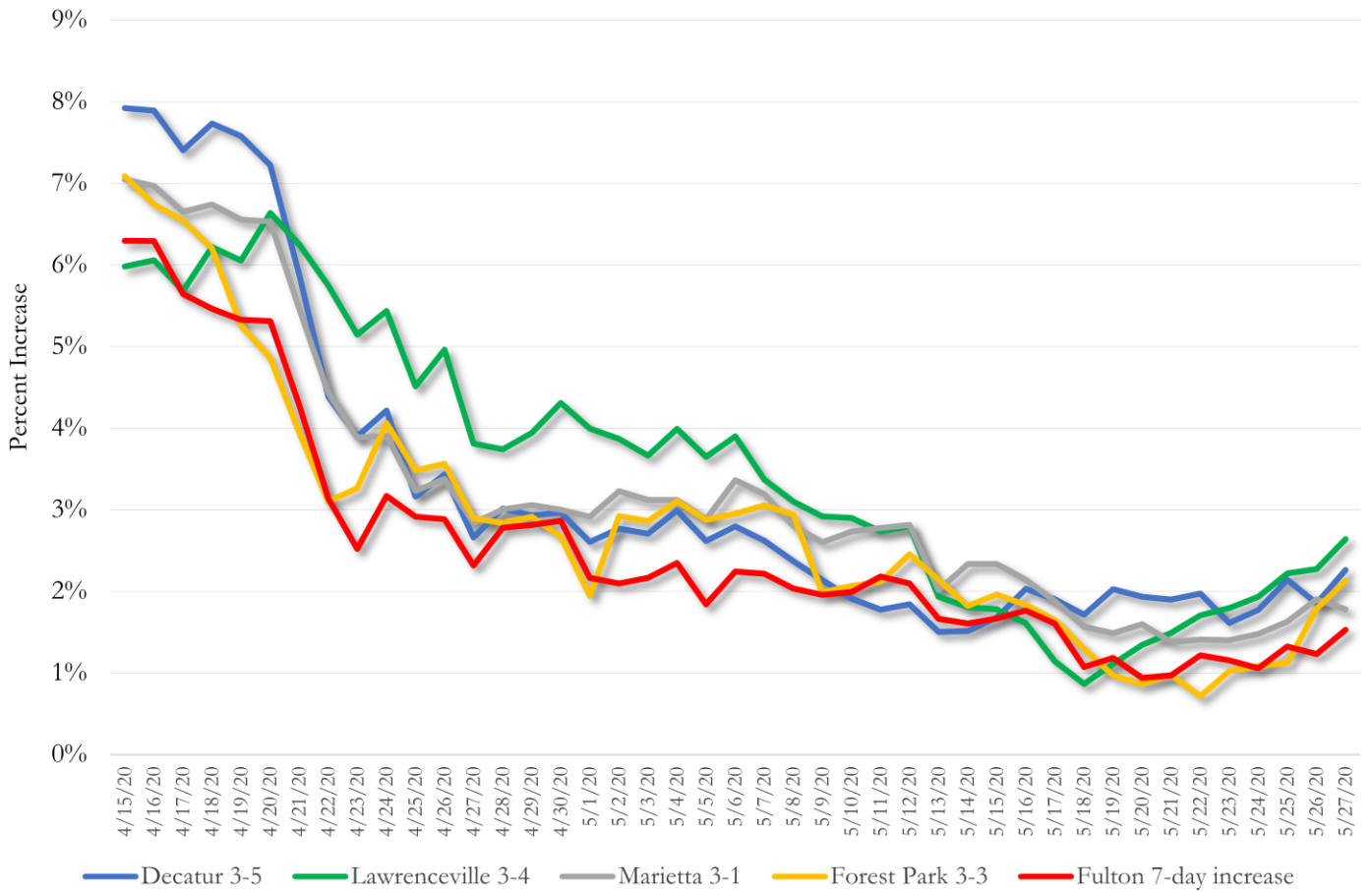
Distribution of COVID-19 Deaths in Fulton County by Fulton Region – 05/27/20

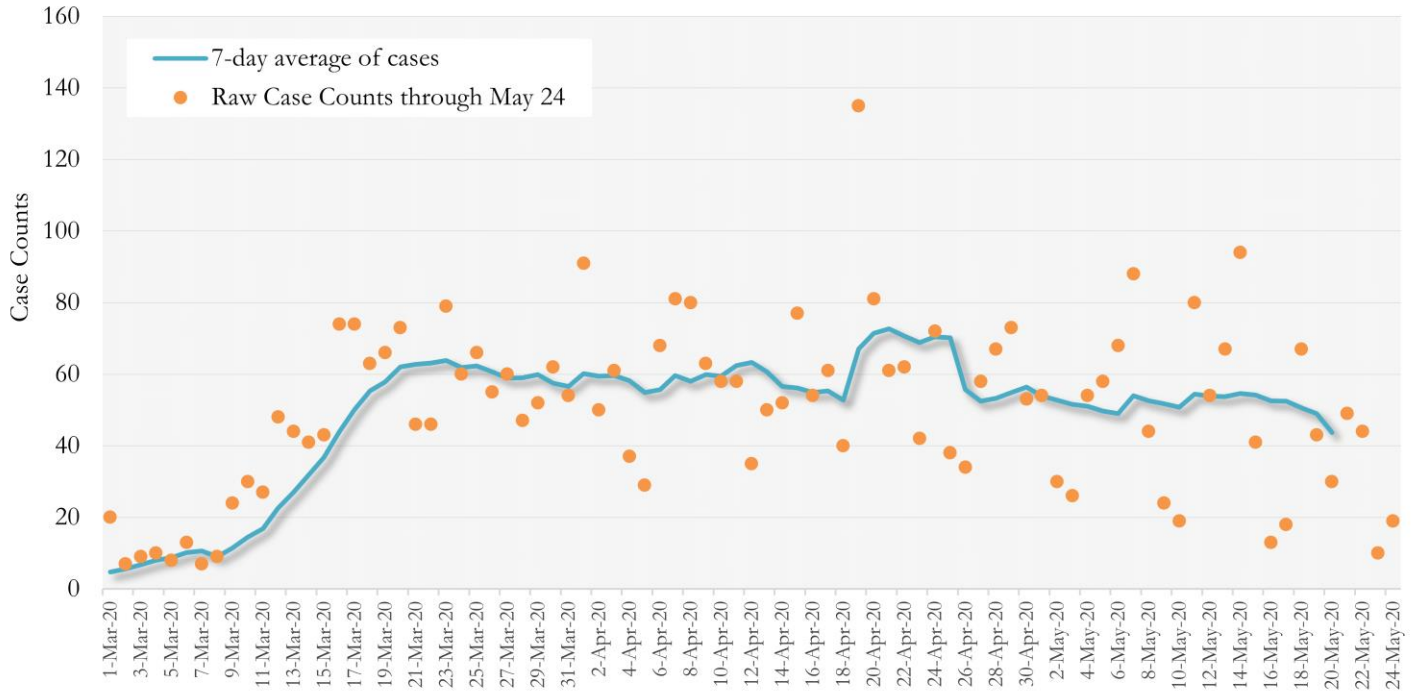|	North Fulton Cities[1] Count (%)	Atlanta Count (%)	South Fulton Cities[2] Count (%)	Unknown City Count (%)	All Fulton Count (%)
Total COVID-19 deaths	29	98	66	18	211
Gender: Female	<10	41 (41.8%)	36 (54.5%)	10 (55.6%)	95 (45.0%)
Male	21 (72.4%)	57 (58.2%)	30 (45.5%)	<10	116 (55.0%)
Unknown	0	0	0	0	0
Age: <65	<10	17 (17.3%)	18 (27.3%)	<10	43 (20.4%)
65-74	<10	21 (21.4%)	17 (25.8%)	<10	43 (20.4%)
75-84	<10	29 (29.6%)	13 (19.7%)	<10	56 (26.5%)
≥85	10 (34.5%)	31 (31.6%)	18 (27.3%)	10 (55.6%)	69 (32.7%)
Unknown	0	0	0	0	0
Race: Asian, NH	0	<10	0	0	<10
Black, NH	<10	81 (82.7%)	60 (90.9%)	10 (55.6%)	156 (73.9%)
White, NH	21 (72.4%)	12 (12.2%)	<10	<10	45 (21.3%)
Hispanic	<10	0	<10	0	<10
Other, NH	0	<10	0	0	<10
Unknown	0	<10	0	0	<10

[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.

MORBIDITY AND MORTALITY TRENDS

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
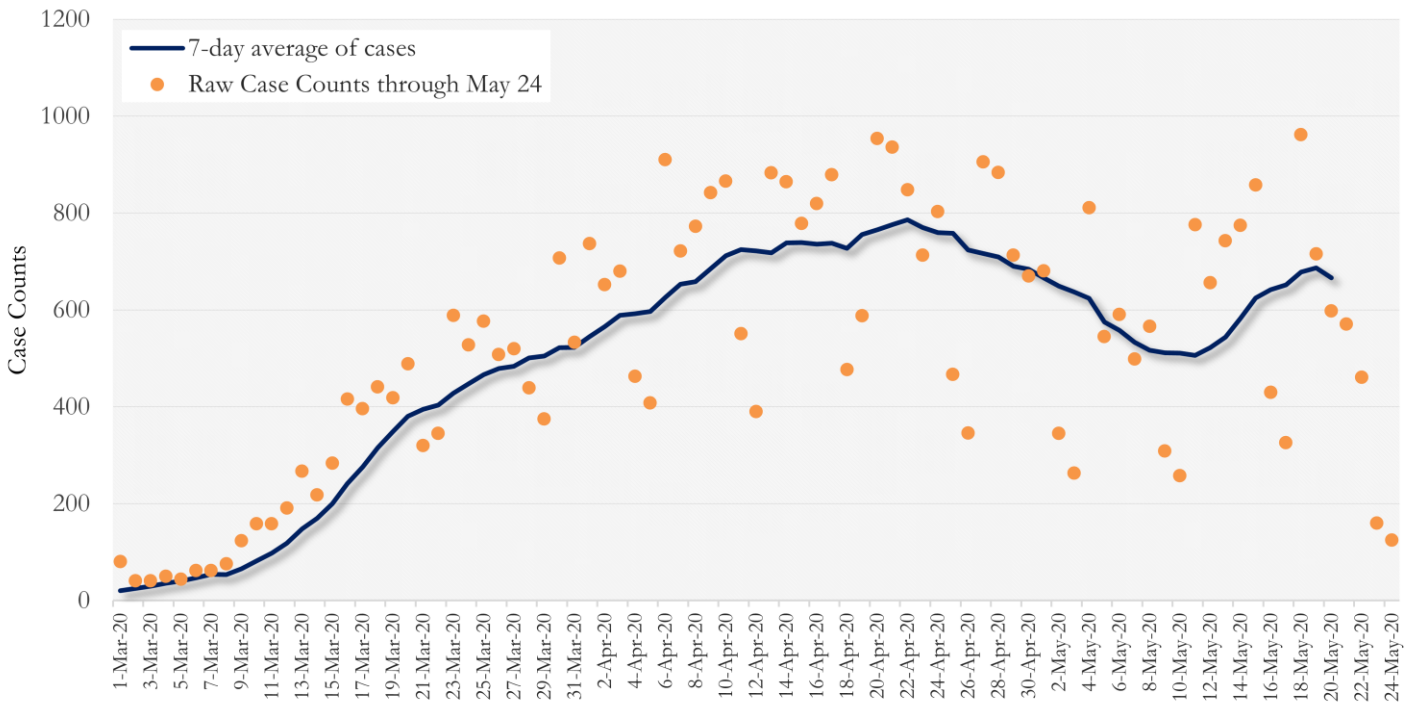
New COVID-19 Cases in Fulton County Daily (Averaged over 7 days)
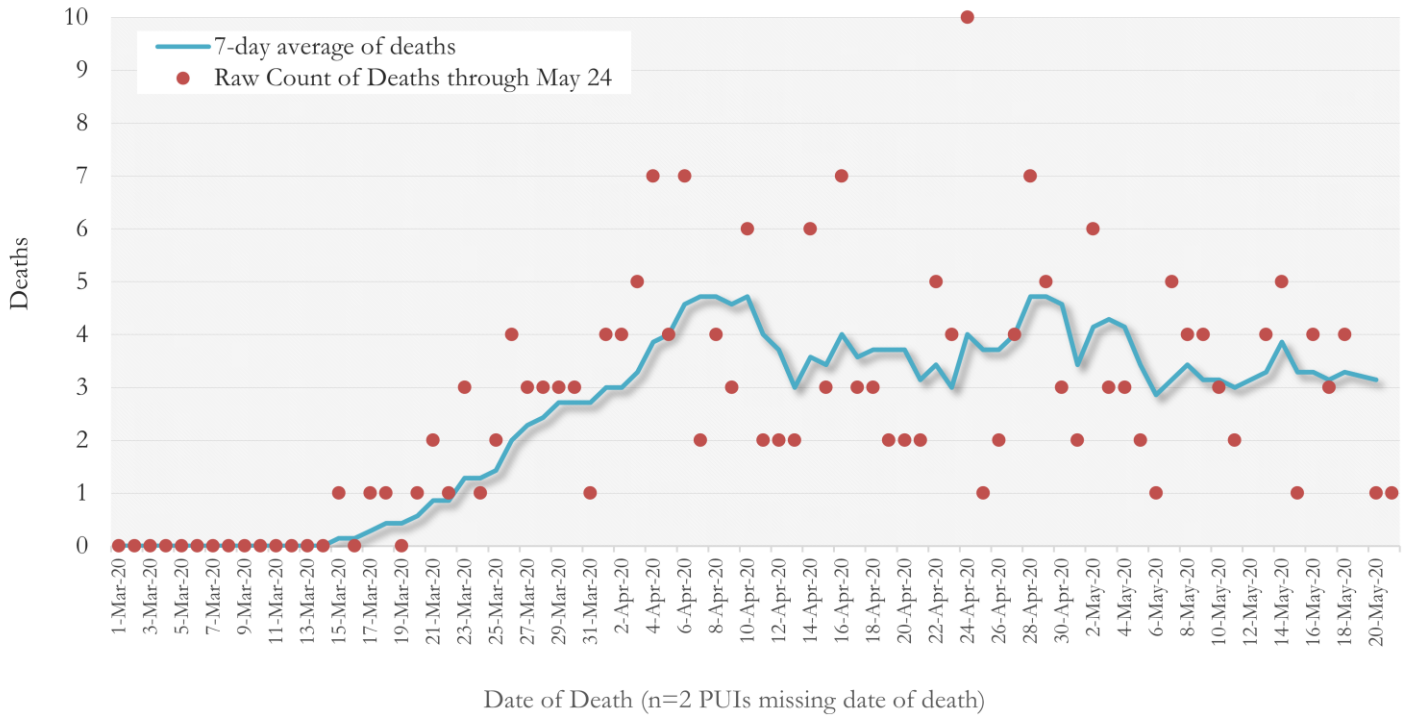## March 01, 2020 to May 20, 2020

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

New COVID-19 Cases in Georgia Daily (Averaged over 7 days)
March 01, 2020 to May 20, 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.
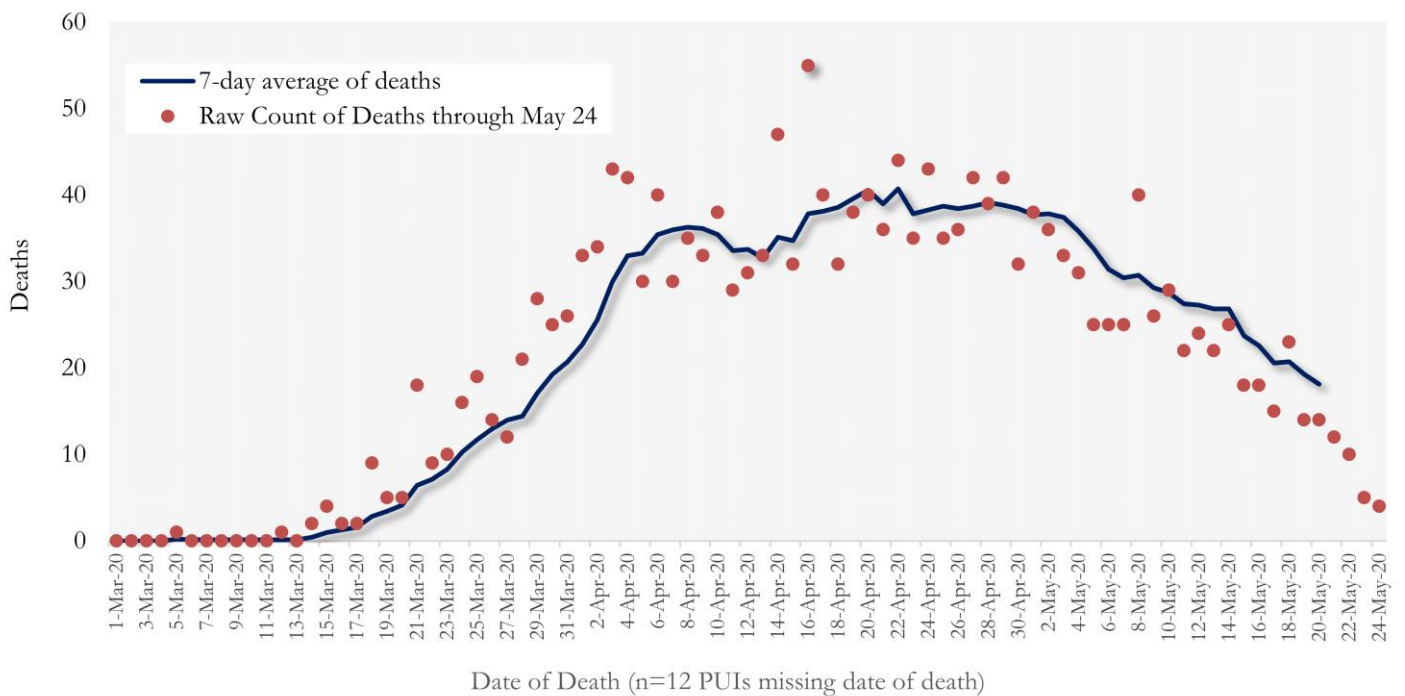
COVID-19 Deaths in Fulton County Daily (Averaged over 7 days)
March 01, 2020 to May 20, 2020

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 20, 2020

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

COVID-19 IN LONG-TERM CARE FACILITIES IN FULTON

Older persons (aged 65 years and older) and persons who live in nursing homes or other long-term care facilities seem to be at higher risk for developing more serious complications from COVID-19. Extra precautions are recommended for individuals within this risk groups – Centers for Disease Control and Prevention (CDC 2020) https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/people-at-higher-risk.html
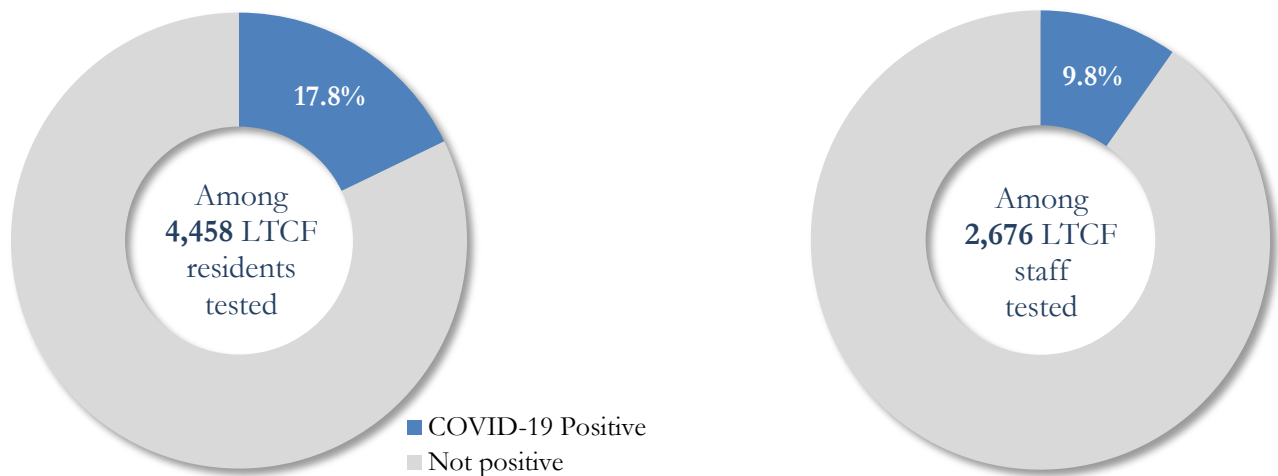
COVID-19 Diagnoses and Deaths in Fulton County Associated with Long-Term Care Facilities (5/27/20)

■ LTCF Associated   ■ Not LTCF-Associated

COVID-19 Diagnoses in Fulton County: **24.2%**

COVID-19 Deaths in Fulton County: **42.2%**

***LTCF → Long-term Care Facility (Incudes residents and Staff) ***

COVID-19 POSITIVITY: COVID-19 testing is currently being provided at various long-term care facilities in Fulton County through the efforts of the Board of Health and the National Guard. See https://dch.georgia.gov/ for a line listing of COVID-19 cases at all facilities in Georgia.

COVID-19 Positivity at 43 reporting Long-Term Care Facilities (LTCF) in Fulton County (5/27/20)

17.8% — Among **4,458** LTCF residents tested

9.8% — Among **2,676** LTCF staff tested

■ COVID-19 Positive
☐ Not positive

COVID-19 Cases, Hospitalizations, and Deaths among 43 reporting Long-Term Care Facilities in Fulton County (5/27/20)

	LTCF Residents (n=4,458)			LTCF Staff (n=2,676)		
	Cases	Hospitalizations	Deaths	Cases	Hospitalizations	Deaths
Average (count per facility)[1]	19.9	4.5	3.0	7.7	0.7	0.1
Median (count per facility)[1]	2.5	2.5	1.0	3.5	0	0
Lowest counts	0	0	0	0	0	0
Highest counts	126	20	17	40	6	1
Total Count	**795 (17.8%)[a]**	**127 (16.0%)[b]**	**88 (11.1%)[b]**	**261 (9.8%)[a]**	**15 (5.7%)[b]**	**1 (0.4%)[b]**

[a] *Percentage shown reflects proportion of total residents/staff tested who were positive (i.e. COVID-19 Positivity).* | [b] *Percentages shown are proportions of persons residents/staff diagnosed with COVID-19 who were hospitalized or died after diagnoses.*