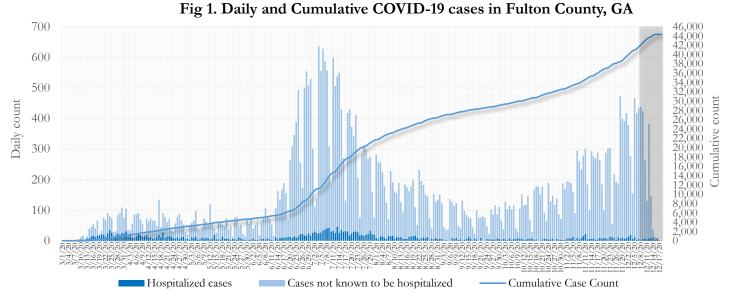


## Fulton County Board of Health Epidemiology Report

COVID-19 Cases – 12/18/2020

#### **SUMMARY**

- As of December 18, 2020, Fulton County has recorded 44,347 cases of the 2019 novel coronavirus (COVID-19) and 717 confirmed COVID-19 deaths. 105 deaths are currently being reviewed by GA DPH to confirm cause of death.
- Of the **5,266** new cases between November 28 and December 11, the central portion of the county (Atlanta) accounted for 39% while the northern and southern parts accounted for 40% and 17% respectively.
- By city, new COVID-19 case rates range from 317.1 per 100,000 persons (College Park) to 682.3 per 100,000 persons (Union City). [Fulton County Diagnoses Rates (per 100,000 persons): Cumulative 4034.5; Incidence –479.1]. See map showing incidence case rate by ZIP code on Pg.17.
- Among all persons diagnosed with COVID-19 in Fulton County since July 1, 5.4% required hospitalization and 1.1% died.
- Of all testing done in Fulton County between November 23 and Dec 6, the percent positivity rate was 7.7%.



\*Counts shown reflect the number of confirmed cases as of 9:45 pm on 12/17/20 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: 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. This report includes data on confirmed PCR tests only. For data on antigen testing, see the GA DPH County Indicator Reports here.

#### DISTRIBUTION OF COVID-19 CASES BY REGION

New cases: 39% of the new COVID-19 cases in the past 2 weeks occurred in Atlanta while 40% and 17% occurred in the Northern and Southern regions of the county respectively.

Fulton Docion	% Cumulative	% New	
Fulton Region	count	cases*	
Atlanta	43.5%	38.7%	
North <sup>1</sup>	31.3%	39.7%	
South <sup>2</sup>	19.4%	17.0%	
Unincorporated/Unknown	5.7%	4.6%	

<sup>1</sup>Includes all Fulton County cities north of Atlanta (Alpharetta, Johns Creek, Milton, Mountain Park, Roswell, Sandy Springs) | <sup>2</sup>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 11/28/20 – 12/11/20).

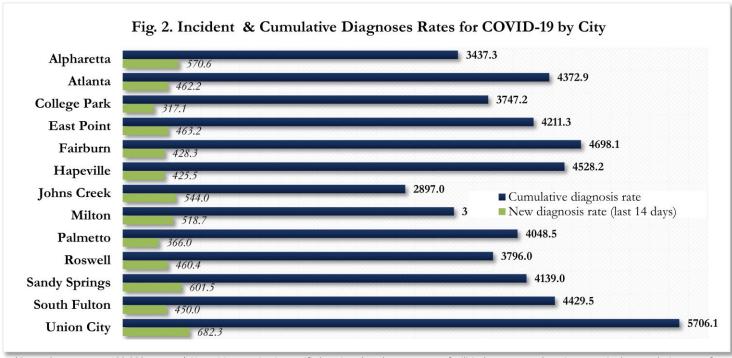
In the recent two week reporting period (11/28-12/11), there were more new cases of COVID-19 in Fulton County than the previous two weeks (11/14-11/27).

\*Delayed a week to account for testing results turnaround time.

#### **COVID-19 CASE COUNTS AND RATES BY CITY**

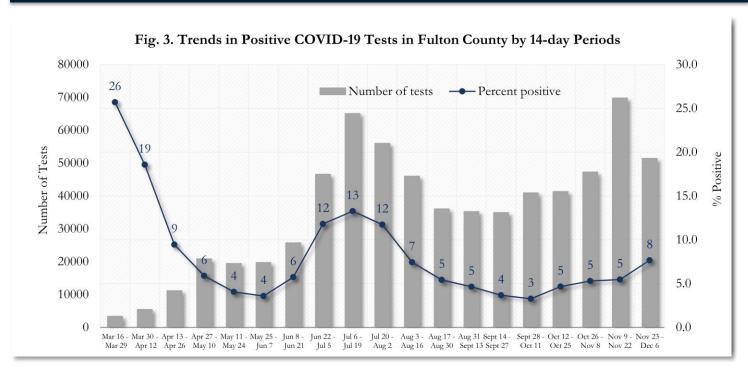
	Prior (12/15/20)	Current Total (12/18/20)			New Cases (Period: 11/14/20 – 12/11/20)1			
	Count	Count	%	Cum. Rate <sup>2</sup>	Recent 14 d. (11/28– 12/11)	Prior 14 d. (11/14– 11/27)	% change³	Rate <sup>4</sup> (Last 14 d).
Alpharetta	2096	2223	5.0%	3437.3	369	212	<b>†</b> 74.1%	570.6
Atlanta	18662	19292	43.5%	4372.9	2039	1399	↑ 45.7%	462.2
Chattahoochee Hillsa	56	57	0.1%	1988.1	12	<10	† 300.0%	418.6
College Park	505	520	1.2%	3747.2	44	27	↑ 63.0%	317.1
East Point	1431	1473	3.3%	4211.3	162	96	↑ 68.8%	463.2
Fairburn	666	691	1.6%	4698.1	63	51	↑ 23.5%	428.3
Hapeville	289	298	0.7%	4528.2	28	15	<b>↑</b> 86.7%	425.5
Johns Creek	2300	2423	5.5%	2897.0	455	239	↑ 90 <b>.</b> 4%	544.0
Milton	1244	1296	2.9%	3395.2	198	108	<b>†</b> 83.3%	518.7
Mountain Park	10	11	0.0%	1760.0	0	0	-	0.0
Palmetto	170	177	0.4%	4048.5	16	<10	↑ 100.0%	366.0
Roswell	3427	3578	8.1%	3796.0	434	256	↑ 69.5%	460.4
Sandy Springs	4164	4363	9.8%	4139.0	634	339	↑ 87.0%	601.5
South Fulton	4113	4213	9.5%	4429.5	428	244	↑ 75.4%	450.0
Union City	1155	1196	2.7%	5706.1	143	69	107.2%	682.3
Unknown	4059	2536	5.7%	-	238	123	-	

\*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. \*Cumulative diagnosis rate: Population estimates from US Census Bureau used to calculate cumulative diagnoses rate. All rates shown are per 100,000 persons. \*3% 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. \*(Incidence) Rate: Rate of new diagnoses in the last 14 day period preceding the immediate past week. \*\*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. "There was a previous error in which cases were not correctly geocoding to Chattahoochee Hills, though they were included in the total cumulative counts. The numbers shown today reflect the accurate count for Chattahoochee Hills. Note: All data reported are preliminary and subject to change.

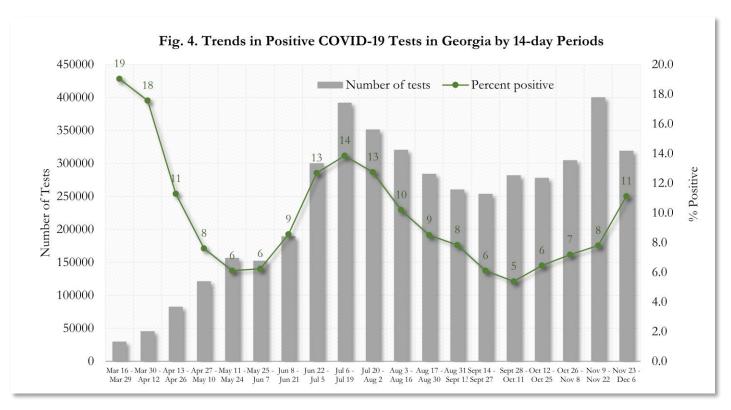


<sup>\*</sup>Rates shown are per 100,000 persons | **Note:** Mass testing in specific locations (e.g. long term care facilities) may cause sharp increases in the cumulative rate of COVID-19 diagnosis in those territories. All data shown are preliminary and are subject to change as testing results get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

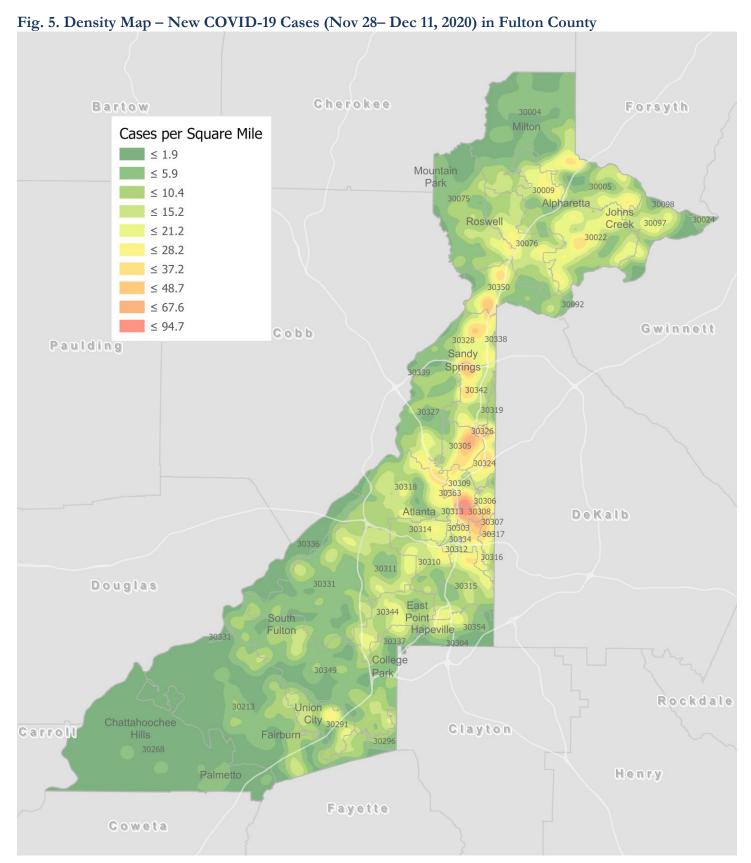
#### COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY AND GEORGIA



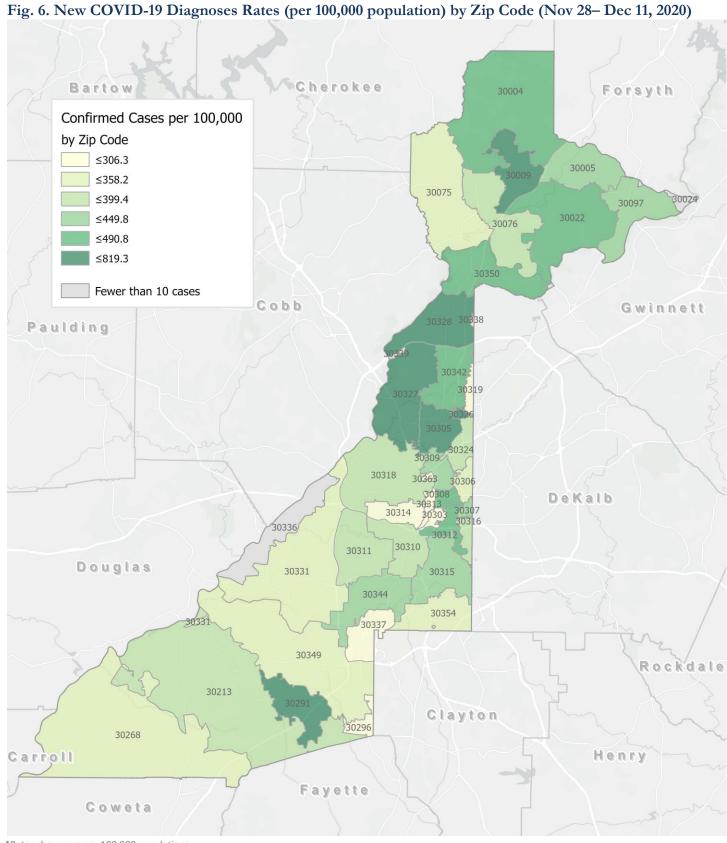
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included. This rate is subject to change as more test results are reported.



<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included. This rate is subject to change as more test results are reported.



<u>New COVID-19 cases:</u> 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. Map reflects new COVID-19 cases diagnosed between Nov  $28^{th}$  and Dec  $11^{th}$ , 2020 across Fulton County, excluding LTCF cases.



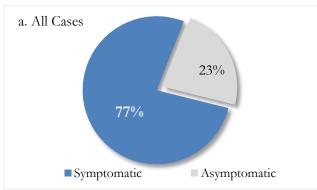
\*Rates shown are per 100,000 populations.

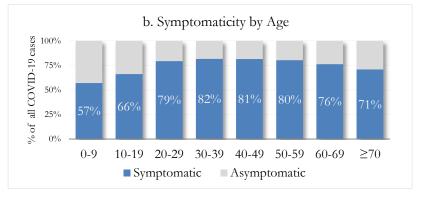
New COVID-19 cases: Cases diagnosed in most recent 14 days (based on reported dates of positive sample collection). To allow for lag in reporting results of positive cases from samples collected in the immediate past7 days, data used for incident diagnoses analyses are moved back by one week. Data used 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 17 for zip code break down table.

#### REPORTING SYMPTOMS AMONG PERSONS 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, muscle pain, headache, sore throat, congestion, nausea or vomiting, diarrhea, or new loss of taste or smell – Centers for Disease Control and Prevention (CDC) <a href="https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html">https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html</a>

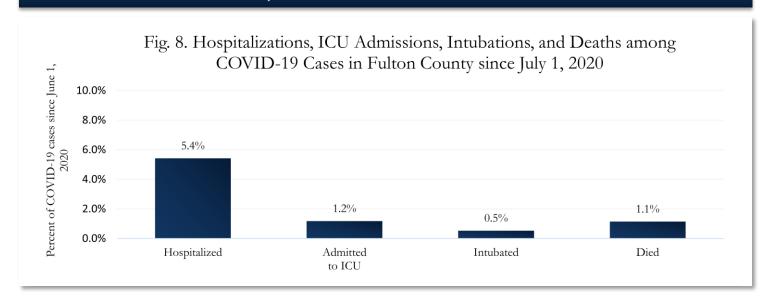
Fig. 7a & b. Total Proportion Reporting Symptoms in Fulton County





<sup>\*\*\*</sup>COVID-19 cases who have been case interviewed or had medical charts reviewed as of 12/17/20 only. n = 29,192\*\*\*

#### COVID-19 HOSPITALIZATIONS, ICU ADMISSIONS AND DEATHS IN FULTON



#### DEMOGRAPHIC DISTRIBUTIONS – COVID-19 CASES AND DEATHS

A. Distribution of COVID-19 cases by gender, age, and race in Fulton County by Fulton Region

	North Fulton Cities <sup>1</sup> Count (%)	Atlanta Count (%)	South Fulton Cities <sup>2</sup> Count (%)	Unknown City Count (%)	All Fulton Count (%)
Total COVID-19 cases	13894	19292	8625	2536	44347
Gender: Female	7160 (52%)	9660 (50%)	4944 (57%)	1261 (50%)	23025 (52%)
Male	6611 (48%)	9397 (49%)	3617 (42%)	1201 (47%)	20826 (47%)
Unknown*	123 (1%)	235 (1%)	64 (1%)	74 (3%)	496 (1%)
<b>Age:</b> 0-9	492 (4%)	403 (2%)	292 (3%)	67 (3%)	1254 (3%)
10-19	1941 (14%)	1423 (7%)	667 (8%)	174 (7%)	4205 (9%)
20-29	2934 (21%)	5717 (30%)	1607 (19%)	648 (26%)	10906 (25%)
30-39	2126 (15%)	4300 (22%)	1764 (20%)	535 (21%)	8725 (20%)
40-49	2219 (16%)	2554 (13%)	1582 (18%)	396 (16%)	6751 (15%)
50-59	2135 (15%)	2071 (11%)	1209 (14%)	333 (13%)	5748 (13%)
60-69	1099 (8%)	1351 (7%)	806 (9%)	197 (8%)	3453 (8%)
≥70	940 (7%)	1419 (7%)	688 (8%)	174 (7%)	3221 (7%)
Unknown*	<10	54 (0%)	10 (0%)	12 (0%)	84 (0%)
Race: Asian, NH	698 (5%)	380 (2%)	39 (0%)	57 (2%)	1174 (3%)
Black, NH	1577 (11%)	8362 (43%)	6257 (73%)	880 (35%)	17076 (39%)
White, NH	6289 (45%)	5605 (29%)	484 (6%)	641 (25%)	13019 (29%)
Hispanic	2391 (17%)	1248 (6%)	723 (8%)	253 (10%)	4615 (10%)
Other, NH	614 (4%)	691 (4%)	203 (2%)	94 (4%)	1602 (4%)
Unknown*	2325 (17%)	3006 (16%)	919 (11%)	611 (24%)	6861 (15%)

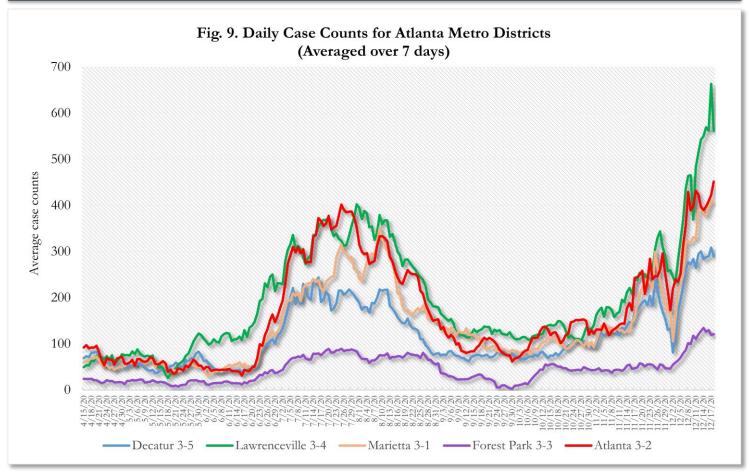
<sup>\*</sup>Unknown includes cases not yet interviewed.

#### B. Distribution of COVID-19 deaths by gender, age, and race in Fulton County by Fulton Region

	, , , , ,		<del>, , ,</del>		-
	North Fulton Cities <sup>1</sup>	Atlanta	South Fulton Cities <sup>2</sup>	Unknown City	All Fulton
	Count (%)	Count (%)	Count (%)	Count (%)	Count (%)
Total COVID-19 deaths	158	346	187	26	717
Gender: Female	75 (47%)	158 (46%)	93 (50%)	11 (42%)	337 (47%)
Male	83 (53%)	188 (54%)	94 (50%)	15 (58%)	380 (53%)
Unknown	0	0	0	0	0
<b>Age:</b> ≤ 29	<10	<10	<10	0	<10
30-39	<10	<10	<10	<10	14 (2%)
40-49	<10	<10	11 (6%)	<10	28 (4%)
50-59	<10	30 (9%)	22 (12%)	<10	63 (9%)
60-69	20 (13%)	66 (19%)	42 (22%)	<10	130 (18%)
≥70	123 (78%)	230 (66%)	107 (57%)	17 (65%)	477 (67%)
Unknown	0	0	0	0	0
Race: Asian, NH	<10	<10	<10	<10	12 (2%)
Black, NH	28 (18%)	279 (81%)	152 (81%)	10 (38%)	469 (65%)
White, NH	111 (70%)	55 (16%)	25 (13%)	13 (50%)	204 (28%)
Hispanic	15 (9%)	<10	<10	<10	29 (4%)
Other, NH	0	<10	<10	0	<10
Unknown	0	<10	0	0	<10

<sup>1</sup>Includes all Fulton County cities north of Atlanta (Alpharetta, Johns Creek, Milton, Mountain Park, Roswell, Sandy Springs) <sup>2</sup>Includes all cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Fairburn, Hapeville, Palmetto, South Fulton, Union City). Note: All data reported are preliminary and subject to change. This table includes data on only confirmed COVID-19 deaths and is subject to change as GA DPH completes cause of death confirmation processes.

### COVID-19 CASE TRENDS IN FULTON AND SURROUNDING DISTRICTS



<sup>\*</sup>Graph shows the average number of cases calculated from the daily cumulative case counts in the metro Atlanta districts. Increases in daily cumulative case counts may include cases diagnosed earlier during the pandemic but were only recently reported to the state as cases diagnosed belonging to these districts. Delays in data reporting may cause the trend line to appear as decreasing.

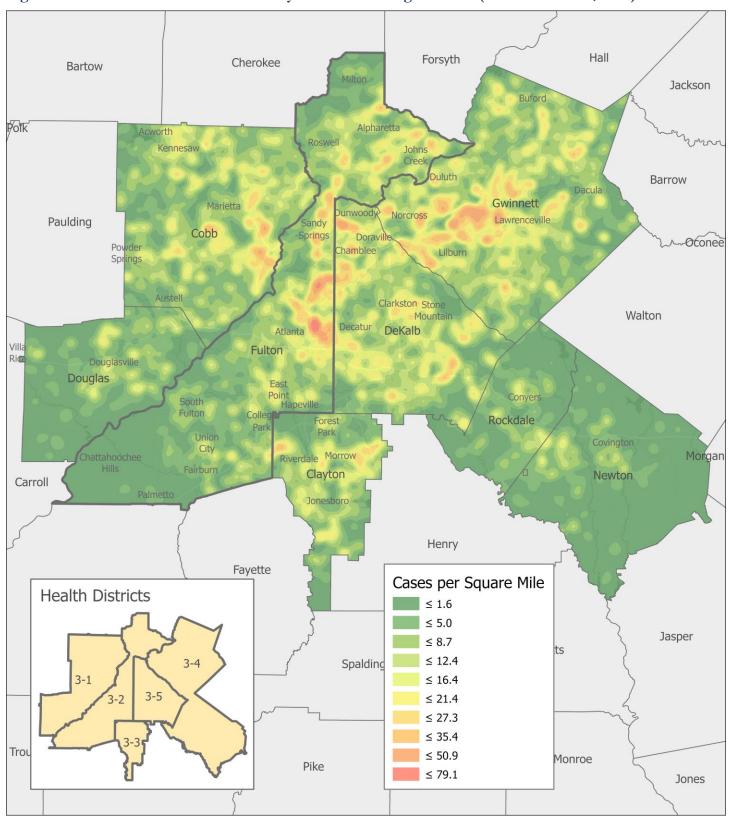
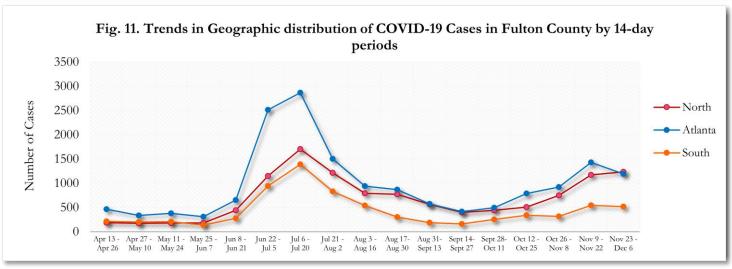


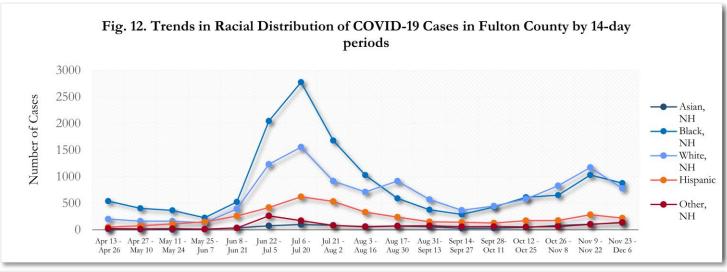
Fig. 10. COVID-19 Cases in Fulton County and Surrounding Districts (Nov 28 – Dec 11, 2020)

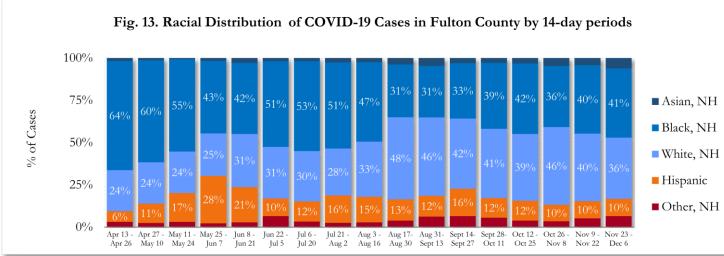
#### TRENDS IN COVID-19 CASES AMONG DEMOGRAPHIC GROUPS (14 DAY PERIODS)



In the past two weeks, the northern region of Fulton County accounted for the majority of new cases.

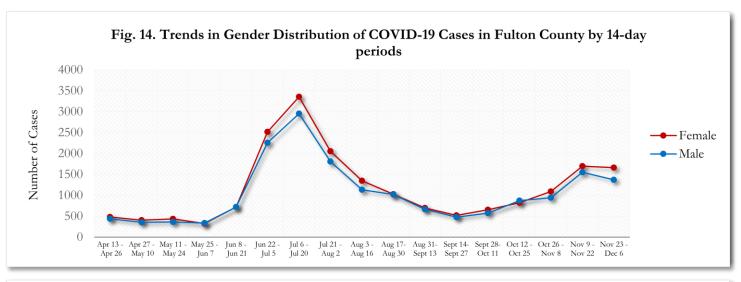
<sup>\*</sup>South - Includes all Fulton cities south of Atlanta (College Park, Chattahoochee Hills, East Point, Fairburn, Hapeville, Palmetto, South Fulton, and Union City)

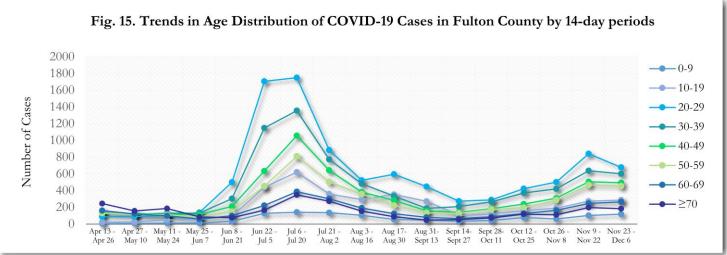




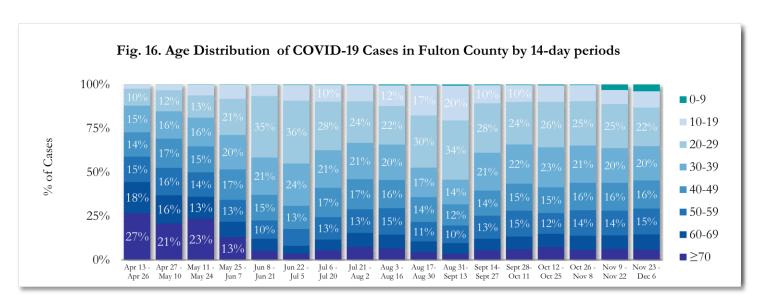
About 16% of COVID cases are missing data on patient race and ethnicity. The majority of new cases in the past two weeks were Black, NH (41%) and White, NH (36%).

<sup>\*</sup>North -Includes all Fulton cities north of Atlanta (Alpharetta, Johns Creek, Milton, Mountain Park, Roswell, Sandy Springs)

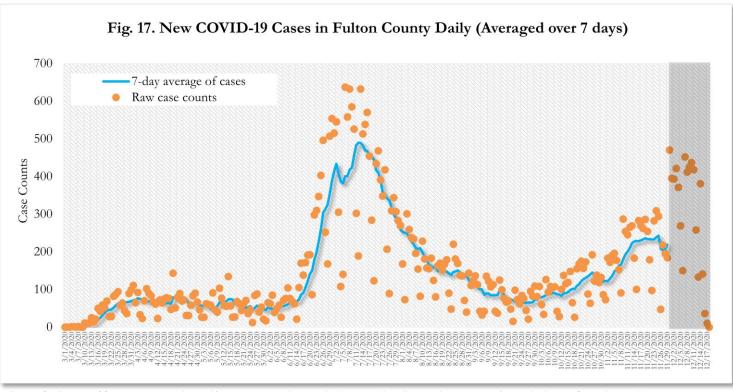




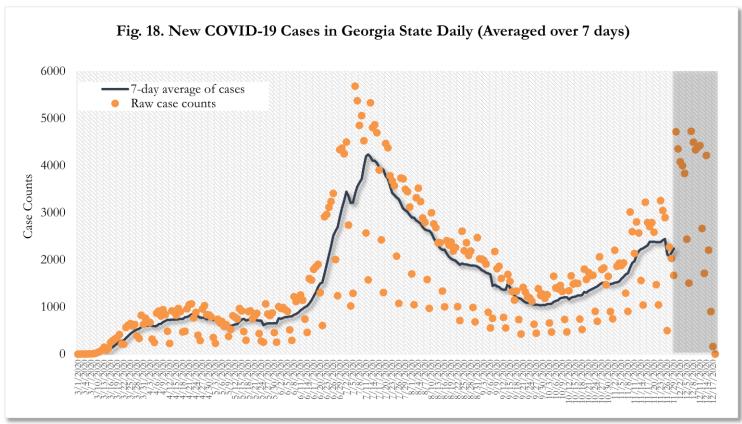
Earlier (March-May 2020) large proportions of reported cases were among persons aged 60 and older. In the most recent two weeks, 20-29 year olds accounted for the highest number of new cases among all age groups, followed by 30-39 year olds.



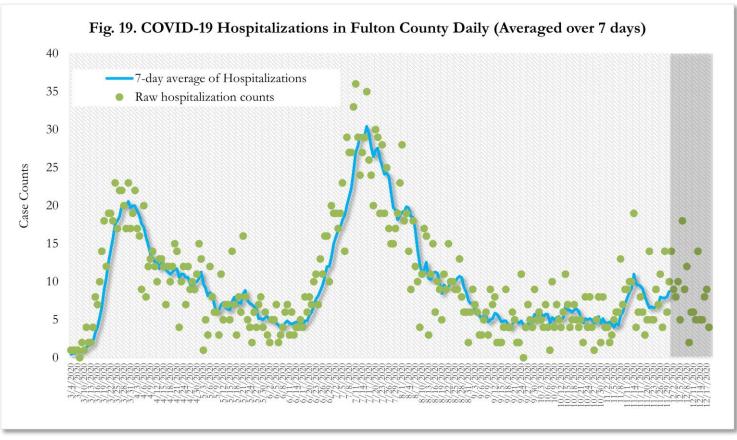
#### TRENDS IN COVID-19 CASES, HOSPITALIZATIONS AND DEATHS (7-DAY MOVING AVE.)



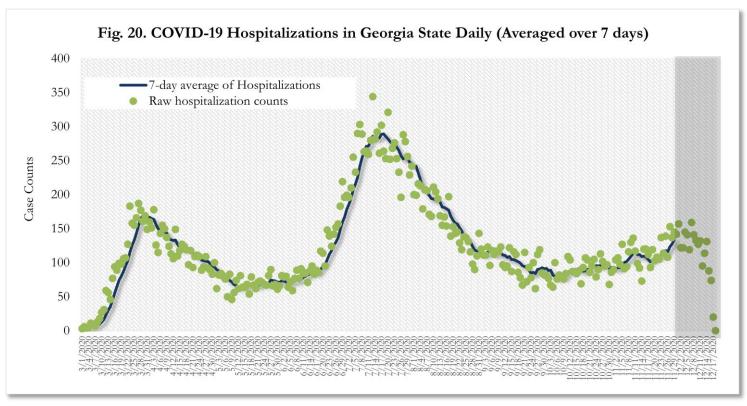
<sup>\*</sup>Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject to change as more lab results get added to the state surveillance database.



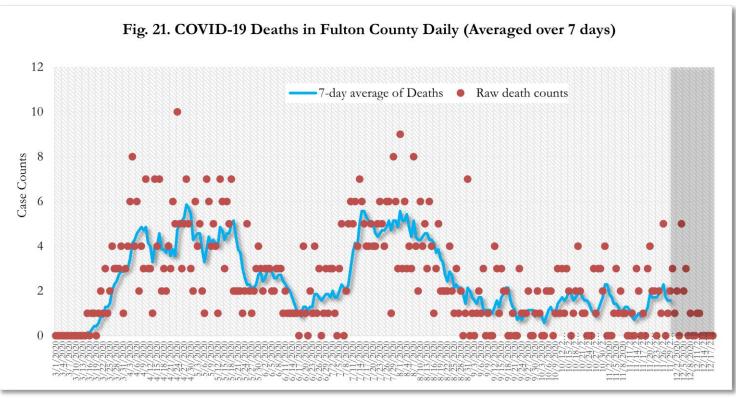
<sup>\*</sup>Date of collection of first positive sample used (report creation date used where sample collection date is missing). Graph above reflects the trend in COVID-19 diagnosis. Due to the high volume of testing in recent weeks, there have been delays in reporting lab results. Thus, the trend is subject to change as more lab results get added to the state surveillance database.



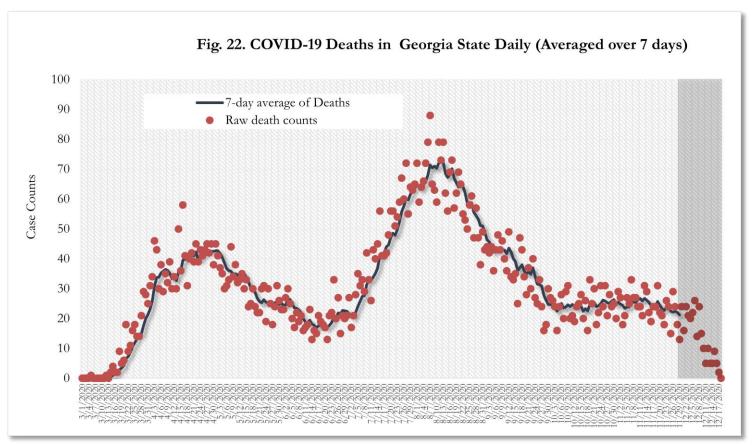
<sup>\*</sup>Reported date of hospital admission used. Graph above reflects the trend in COVID-19 hospitalizations. Due to the high volume of new cases being added daily, there have been delays in reporting hospitalization data. Thus, the trend is likely to change as more hospitalization data is reported in the state surveillance database.



<sup>\*</sup>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.

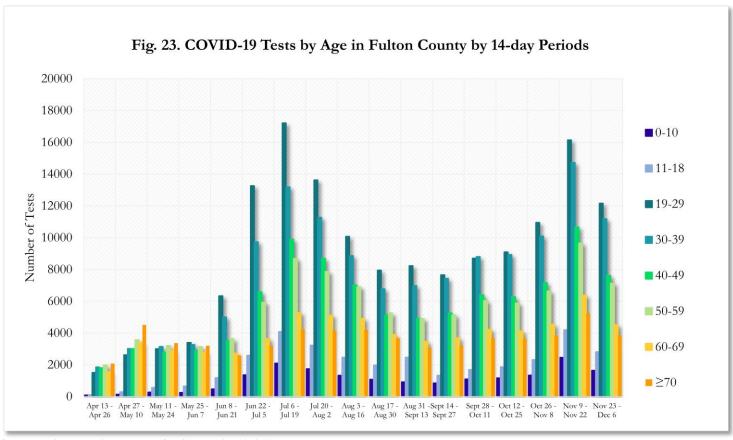


<sup>\*</sup> Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

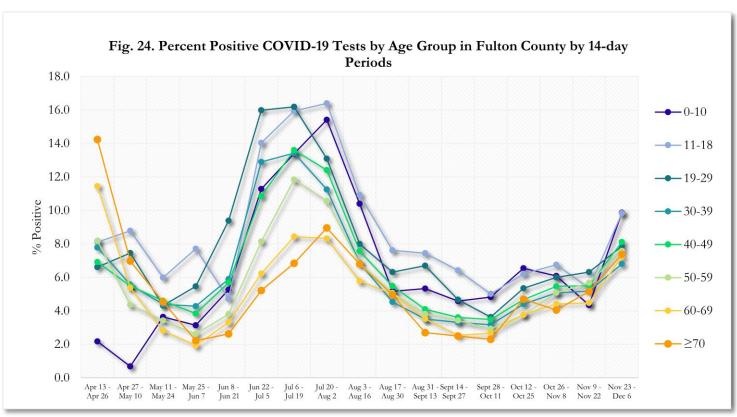


<sup>\*</sup>Reported date of death used. Graph above reflects the trend in deaths attributed to COVID-19. The trend is likely to change as more data on deaths among persons with COVID-19 is reported in the state surveillance database.

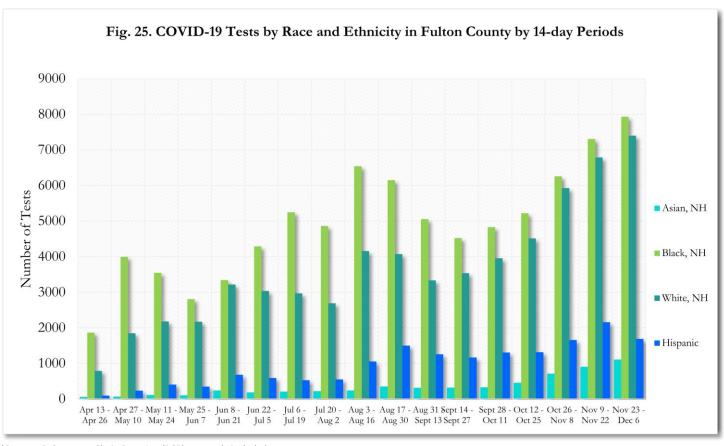
## COVID-19 TESTING AND POSITIVITY IN FULTON COUNTY BY AGE AND RACE



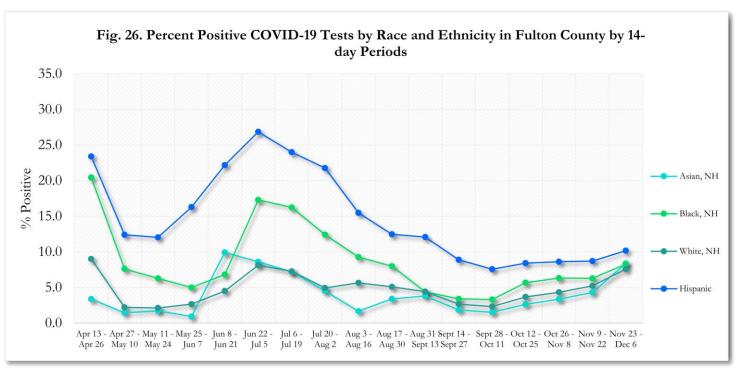
<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.



<sup>\*</sup>Data on Polymerase Chain Reaction (PCR) tests only included.

# COVID-19 CASE COUNTS BY ZIP CODE

	Prior (12/15/20)	Current Tot	al (12/18/20)		(Period: 11/14/20 –	· 12/11/20)¹
	Count	Count	0/0	<b>Recent 14 d.</b> (Nov 28- Dec 11)	<b>Prior 14 d.</b> (Nov 14– Nov 27)	% change <sup>2</sup>
All Fulton	42737	44347	100%	5266	3193	↑ 64.9%
30004	1602	1673	3.8%	263	148	↑ 77.7%
30005	957	1019	2.3%	206	111	↑ 85.6%
30009	768	811	1.8%	135	71	↑ 90.1%
30022	2127	2242	0.9%	385	212	↑ 81.6%
30023	12	12	<0.1%	<10	<10	-
30024	37	38	<0.1%	<10	<10	-
30075	1651	1715	3.9%	184	123	↑ 49.6%
30076	1641	1724	3.9%	212	117	↑ 81.2%
30080	<10	<10	<0.1%	0	<10	↓ 100.0%
30097	603	635	1.4%	122	64	† 90.6%
30098	-	-	-	0	0	· -
30135	<10	<10	<0.1%	0	0	-
30138	<10	<10	<0.1%	0	0	-
30139	-	-	-	0	0	-
30213	1623	1669	3.8%	180	113	↑ 59.3%
30268	264	281	0.6%	33	12	↑ 175.0%
30291	1125	1158	2.6%	133	68	<b>†</b> 95.6%
30296	112	116	0.3%	19	16	↑ 18.8%
30301	15	15	<0.1%	<10	<10	-
30303	475	481	1.1%	24	19	↑ 26.3%
30305	1340	1386	3.1%	184	121	↑ 52.1%
30306	574	603	1.4%	64	64	-
30307	286	298	0.7%	33	21	↑ 57.1%
30308	942	969	2.2%	99	78	↑ 26.9%
30309	1337	1388	3.1%	139	127	† 9.4%
30310	1048	1080	2.4%	115	58	↑ 98.3%
30311	1131	1155	2.6%	144	59	144.1%
30312	1223	1266	2.9%	116	107	↑ 8.4%
30313	400	410	0.9%	27	22	† 22.7%
30314	759	775	1.7%	75	41	↑ 82.9%
30315	1315	1371	3.1%	174	99	↑ 75.8%
30316	543	557	1.3%	53	34	↑ 55.9%
30318	2524	2623	5.9%	268	171	↑ 56.7%
30319	245	258	0.6%	37	13	↑ 184.6%
30321	12	13	<0.1%	<10	0	-
30324	1353	1383	3.1%	116	104	↑ 11.5%
30326	435	453	1.0%	45	51	↓ 11.8%
30327	1011	1051	2.4%	157	80	↑ 96.3%
30328	1442	1511	3.4%	233	120	↑ 94.2%
30331	2374	2442	5.5%	214	125	↑ 71.2%
30334	13	14	<0.1%	0	0	-
30336	115	118	0.3%	<10	<10	-
30337	478	495	1.1%	42	24	↑ 75.0%
30338	112	114	0.3%	12	<10	↑ 100.0%
30339	299	313	0.7%	34	<10	↑ 385.7%
30340	36	37	<0.1%	<10	<10	-
30341	36	38	<0.1%	<10	<10	-
30342	1759	1842	4.2%	214	114	↑ 87.7%
30344	1320	1356	3.1%	156	89	↑ 75.3%
30345	26	27	<0.1%	<10	0	-

30349	2539	2595	5.9%	241	130	↑ 85.4%
30350	1103	1170	2.6%	198	121	<b>†</b> 63.6%
30354	619	640	1.4%	60	51	↑ 17.6%
30358	<10	<10	<0.1%	<10	0	-
30363	113	118	0.3%	10	15	↓ 33.3%
30374	36	36	<0.1%	<10	<10	-
30606	<10	<10	<0.1%	0	0	-
31131	<10	<10	<0.1%	<10	0	-
31150	<10	<10	<0.1%	0	0	-
Unknown	2416	831	1.9%	45	45	-

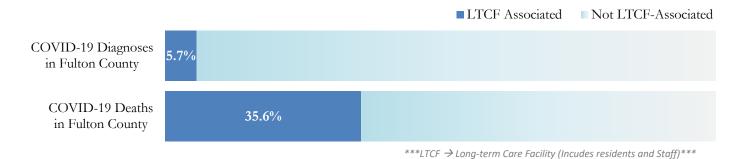
<u>New cases:</u> Cases diagnosed in most recent 28 days (based on reported dates of positive sample collection). To allow for lag in reporting results of new diagnoses from samples collected in the most recent week, data used for incident diagnoses analyses were moved back by one week. <u>Percent change:</u> 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\*\*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.

<u>Note:</u> 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 All data reported are preliminary and subject to change.

#### COVID-19 IN LONG-TERM CARE FACILITIES IN FULTON COUNTY

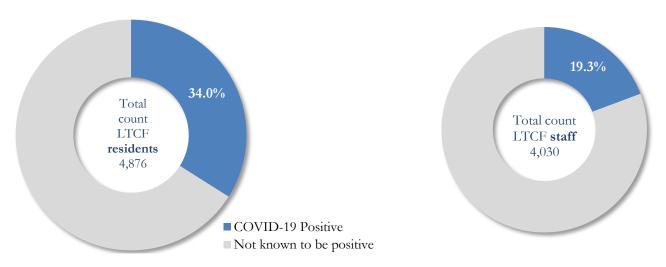
Older persons (aged 65 years and older) and persons who live in nursing homes or other long-term care facilities seem to be at higher risk for developing more serious complications from COVID-19. Extra precautions are recommended for individuals within this risk groups – Centers for Disease Control and Prevention (CDC 2020) <a href="https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/people-at-higher-risk.html">https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/people-at-higher-risk.html</a>

Fig. 27. COVID-19 Diagnoses and Deaths in Fulton County Associated with Long-Term Care Facilities



# **COVID-19 POSITIVITY:**

Fig. 28. COVID-19 Positivity at 64 reporting Long-Term Care Facilities (LTCF) in Fulton County



COVID-19 Cases, Hospitalizations, and Deaths among 64 reporting Long-Term Care Facilities in Fulton County

	LTCF Residents (n=4,876)			LTCF Staff (n=4,030)			
	Cases	Hospitalizations	Deaths	Cases	Hospitalizations	Deaths	
Average (count per fac.)1	26	5	4	12	1	< 0.1	
Median (count per fac.)1	11	3	1	9	0	0	
Lowest counts	0	0	0	0	0	0	
Highest counts	139	48	30	70	8	2	
Total Count	1656 (34.0%)a	336 (20.3%)b	247 (14.9%) <sup>b</sup>	778 (19.3%) <sup>a</sup>	33 (4.2%)b	5 (<1.0%)b	

<sup>&</sup>lt;sup>o</sup> Percentage shown reflects proportion of total residents/staff tested who were positive (i.e. COVID-19 Positivity). | <sup>b</sup> Percentages shown are proportions of persons residents/staff diagnosed with COVID-19 who were hospitalized or died after diagnoses.