

Georgia COVID-19 Breakthrough Report

September 20 th, 2021

Georgia DPH is actively monitoring COVID-19 breakthrough cases that occur in our state. The following slides display data on the breakthrough cases that have been found through our surveillance or reported to our department.

COVID-19 Infection Among Non-vaccinated and Fully Vaccinated* Individuals in Georgia

From January 02 – September 20, 2021

*An individual is considered fully vaccinated if it has been at least 14 days (2 weeks) since the completion of the COVID-19 vaccination series (two doses in a two-dose series OR one dose in a one-dose series).

**Laboratory positive cases include all PCR and antigen cases reported to DPH during the given time period.

5,906,165 Non-vaccinated individuals in Georgia

767,625 Laboratory positive cases** (12.39%)

32,920 hospitalized for any reason and tested positive for COVID-19 (0.52%)

8,697 COVID-19 related deaths (0.13%)

4,803,852 Fully-vaccinated* individuals in Georgia

51,104 Laboratory positive cases** (1.06%)

1,867 hospitalized for any reason and tested positive for COVID-19 (0.03%)

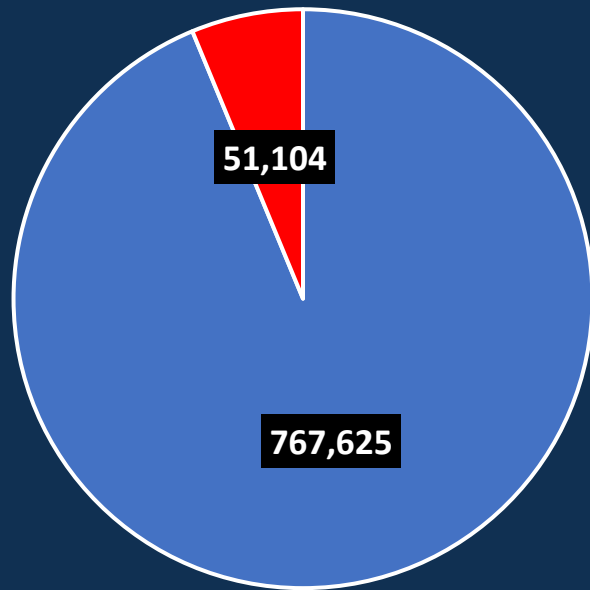
441 COVID-19 related deaths (0.009%)

COVID-19 In Fully Vaccinated Persons vs. Unvaccinated or Partially Vaccinated* Persons in Georgia

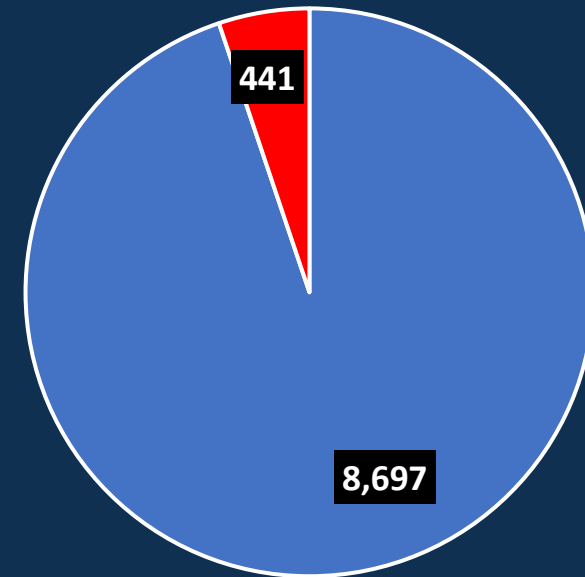
**An individual is considered partially vaccinated if they have not completed their COVID-19 vaccination series (i.e., they have only received one dose in a two-dose series), or 14 days have not passed since they completed their COVID-19 vaccine series.*



From January 02 to September 20 ,2021

**Laboratory Positive Cases of COVID-19
(Both PCR and Antigen)**



COVID-19 related deaths



 Vaccinated cases
 Unvaccinated or partially vaccinated cases

COVID-19 Breakthrough Cases in Georgia – January 02- September 20, 2021

COVID-19 Breakthrough case* definition:

A U.S resident meeting the below criteria:

- SARS-CoV-2 RNA (PCR) or antigen detected from a respiratory specimen AND
- Specimen collected \geq 14 days after completing the primary series of a COVID-19 vaccine (i.e., completed two doses in a two-dose series OR one dose in a one-dose series) AND
- No positive COVID-19 positive laboratory test (RNA [PCR] or antigen positive) within the 90 days prior to the current positive test.

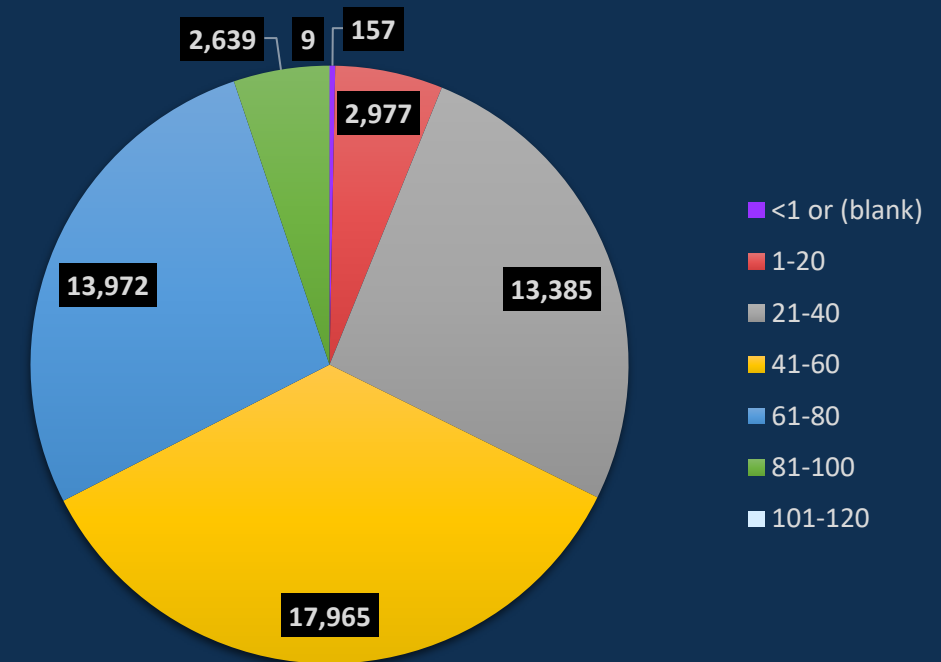
Total COVID-19 breakthrough cases* reported to GDPH as of September 20, 2021	51,104
Female	30,530 (59.74%)
People aged \geq65 years	12,253 (23.98%)
Total Hospitalizations^α	1,867 (3.65%)
Total Deaths	538 (1.05%)
COVID-19 related deaths	441 (0.86%)

^α Please note that this count represents individuals who were hospitalized for any reason and tested positive for COVID-19. They were not necessarily hospitalized due to COVID-19.

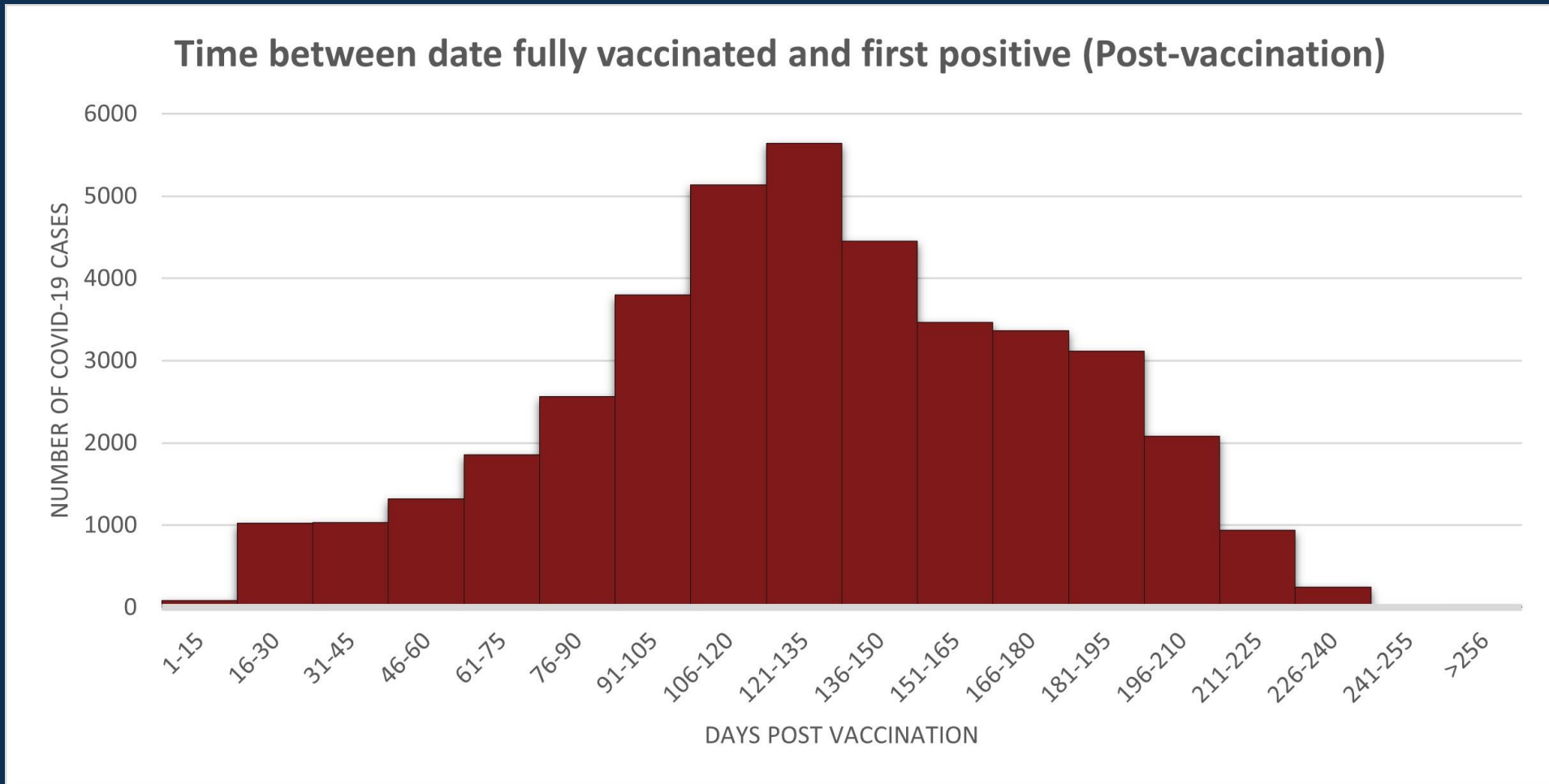
COVID-19 Breakthrough Case Demographics (N= 51,104)

DEMOGRAPHICS	FREQUENCY (% OUT OF TOTAL BREAKTHROUGH CASES)
GENDER	
Male	20,558 (40.23%)
Female	30,527 (59.75%)
Unknown/Missing	14 (0.03%)
AGE GROUP	
1-20	2,977 (5.83%)
21-40	13,385 (26.19%)
41-60	17,965 (35.15%)
61-80	13,972 (27.34%)
81-100	2,639 (5.16%)
101-120	9 (0.02%)
Missing	157 (0.31%)
RACE	
White	25,690 (50.27%)
African American	9,784 (19.15%)
Asian	1,517 (2.97%)
American Indian/Alaska Native	59 (0.12%)
Native Hawaiian/Pacific Islander	41 (0.08%)
Other	2,218 (4.34%)
Unknown/Missing	11,795 (23.08%)
ETHNICITY	
Non-Hispanic/Latino	34,224 (66.97%)
Hispanic/Latino	2,088 (4.09%)
Not Specified/Missing	14,792 (28.94%)

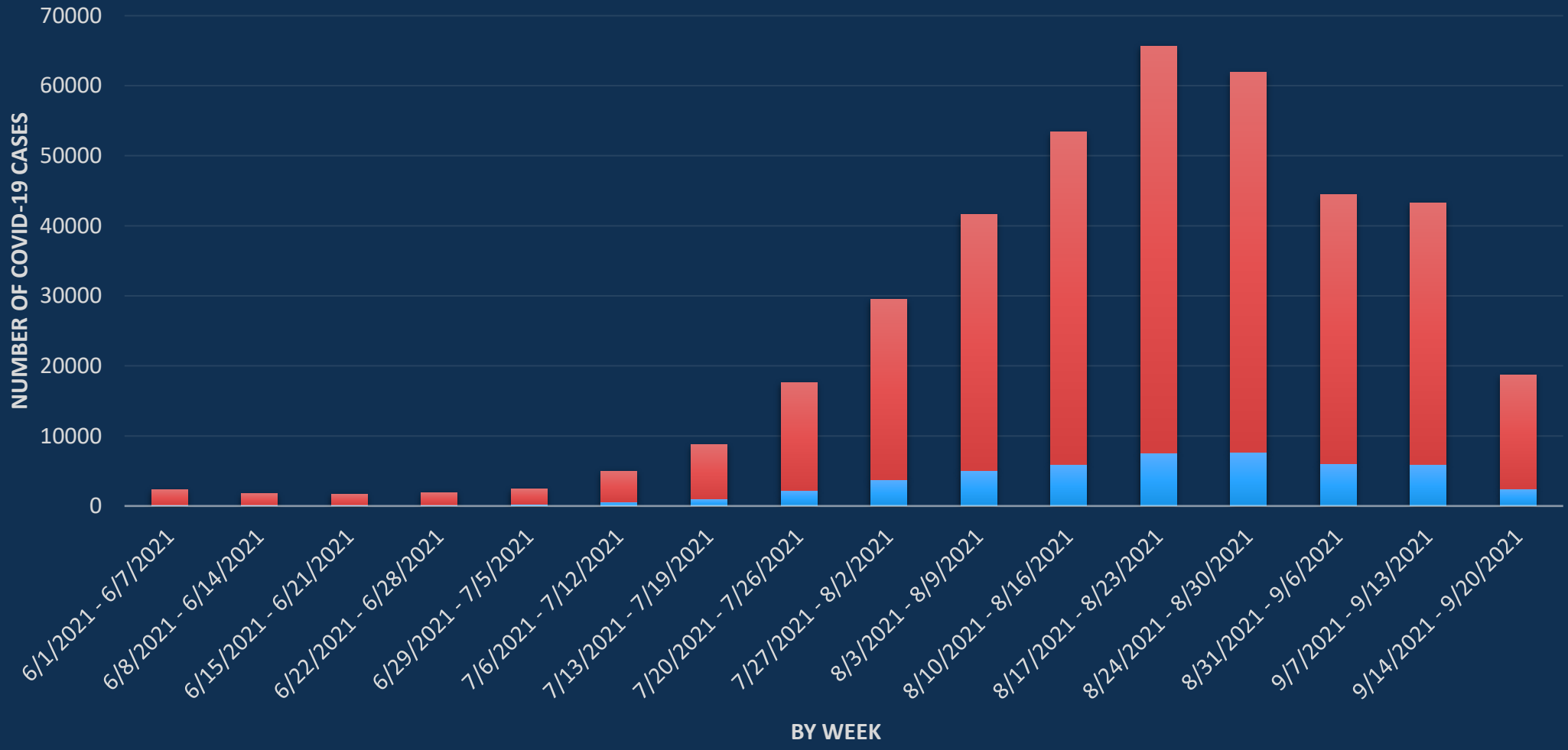
COVID-19 BREAKTHROUGH CASES BY AGE GROUP



COVID-19 Breakthrough Case Graph Displaying Time from Vaccination to Positive Test



EPICURVE SHOWING FULLY VACCINATED AND NON-VACCINATED/UNKNOWN COVID- 19 CASES BY WEEK IN GEORGIA, JUNE-SEPTEMBER 2021



■ TOTAL NUMBER OF FULLY VACCINATED CASES

■ TOTAL NUMBER OF UNVACCINATED CASES (INCLUDING UNKNOWN AND PARTIALLY VACCINATED)