



Public Health
Prevent. Promote. Protect.

City of Quincy Health Department

City of Quincy COVID-19 Data Visualizations 2020

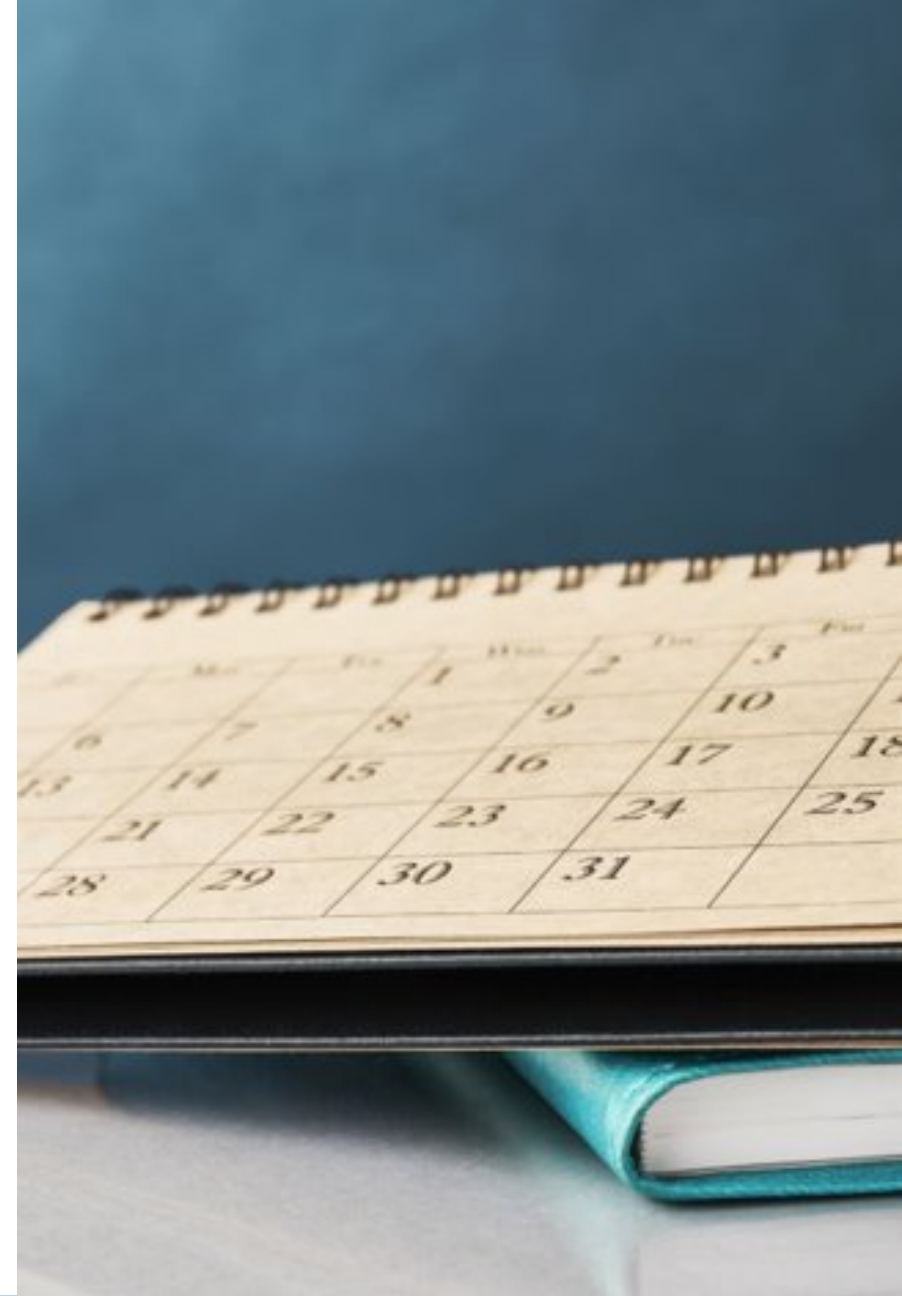
Presentation created by:

Quincy Health Department COVID-19 Team

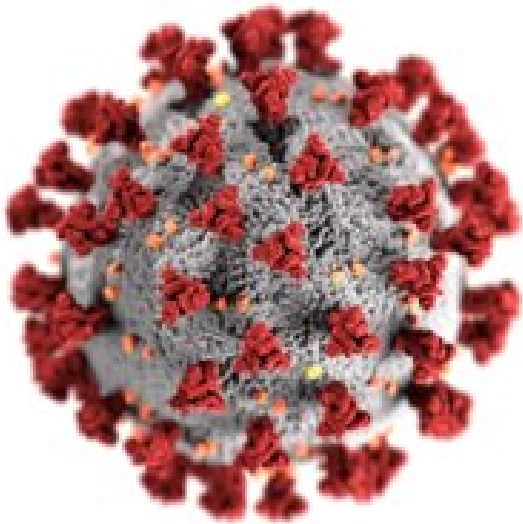
Updated: January 2023

Agenda

- About COVID-19
- Quincy Public Health Response
- COVID-19 timeline
- Methods for data collection
- Highlights and data visuals for 2020



About COVID-19 – Basics



- COVID-19 is a disease caused by a virus called SARS-CoV-2.
- COVID-19 is spread in three main ways:
 - Breathing in the air when close to an infected person who is exhaling small droplets and particles that contain the virus.
 - Having these small droplets and particles that contain viruses land on the eyes, nose, or mouth, especially through splashes and sprays like a cough or sneeze.
 - Touching eyes, nose, or mouth with hands that have the virus on them.

About COVID-19 – Symptoms

- Anyone can have mild to severe symptoms.
- Symptoms may appear 2-14 days after exposure to the virus.
- However, it is possible for people with COVID-19 to spread the virus to others up to 48 hours before they have symptoms.
- COVID-19 symptoms include:
 - Fever or Chills
 - Cough
 - Shortness of breath or difficulty breathing
 - Fatigue
 - Muscle or body aches
 - Headache
 - New loss of taste or smell
 - Sore throat
 - Congestion or runny nose
 - Nausea or vomiting
 - Diarrhea

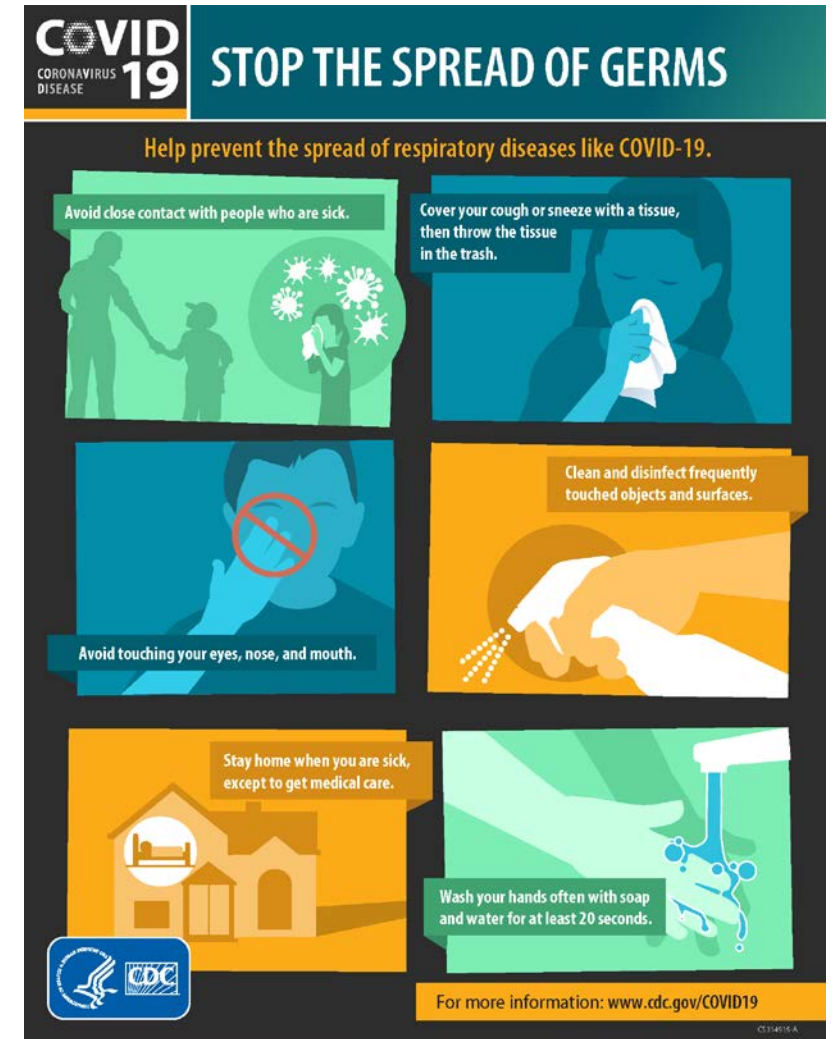
About COVID-19 – Testing

- Rapid antigen test ([At-home test](#))
 - A Rapid Antigen Test is a COVID-19 test that can be bought at a pharmacy, retail store or online.
 - It is usually taken at home, and you can get results in as little as 15 minutes.
- PCR
 - A PCR test is a clinically administered test, where a swab of your nose, throat, or a saliva sample is taken and then sent to a lab.
 - Results for a PCR test can take several days to come back.



About COVID-19 – Prevention

- Wash your hands often with soap and warm water or use an alcohol-based hand sanitizer.
- Avoid touching your eyes, nose, and mouth.
- Clean things that are frequently touched (like doorknobs and countertops) with household cleaning spray or wipes.
- Cover your mouth when you cough or sneeze. Use a tissue or your inner elbow, not your hands.
- Stay home if you are sick and avoid close contact with others.
- Social distance.
- Mask up.
- Get vaccinated.





Quincy Public Health Response

- COVID-19 Vaccine Clinics, COVID-19 education, community outreach.
- Since September 2021, COVID-19 vaccine clinic events have been held at the Quincy Health Department. Our partners include:
 - Manet Community Health, Dana Farber Cancer Institute, Brigham and Women's Hospital, Brewster Ambulance Service, Mass General Hospital, and Walgreens.
- **1,829 individuals** received the COVID-19 vaccine through the Quincy Health Department.
- The City of Quincy vaccination rates (updated 1/26/2023)
 - At least one dose Vaccine: 95%
 - Fully Vaccinated: 83%
 - 1st Booster Rate: 54%
 - 2nd Booster Rate: 23%

About COVID-19 – Variants of Concern



VARIANT OF CONCERN

Omicron

Original Lineage: B.1.1.529

Currently Circulating Lineages: BA.2, BA.4 and BA.5

The Omicron variant, like other variants, is made up of a number of lineages and sublineages.

These lineages are often very similar to each other; however, there may be differences between lineages that affect the behavior of the virus. Visit CDC's [COVID Data Tracker](#) for the most current data on circulating variants.

Omicron spreads more easily than earlier variants, including the Delta variant.

Anyone with Omicron infection, regardless of vaccination status or whether or not they have symptoms, can [spread the virus to others](#). Data suggest that Omicron can cause [reinfection](#), even in people who have recovered from COVID-19.

Symptoms are similar to previous variants

COVID-19 vaccination status, [other health conditions](#), [age](#), and history of prior infection can affect the presence and severity of symptoms.

Omicron causes less severe illness and death in general, according to data

However, a surge in cases may lead to increases in hospitalizations and deaths.

Vaccines help prevent severe illness, hospitalizations, and death

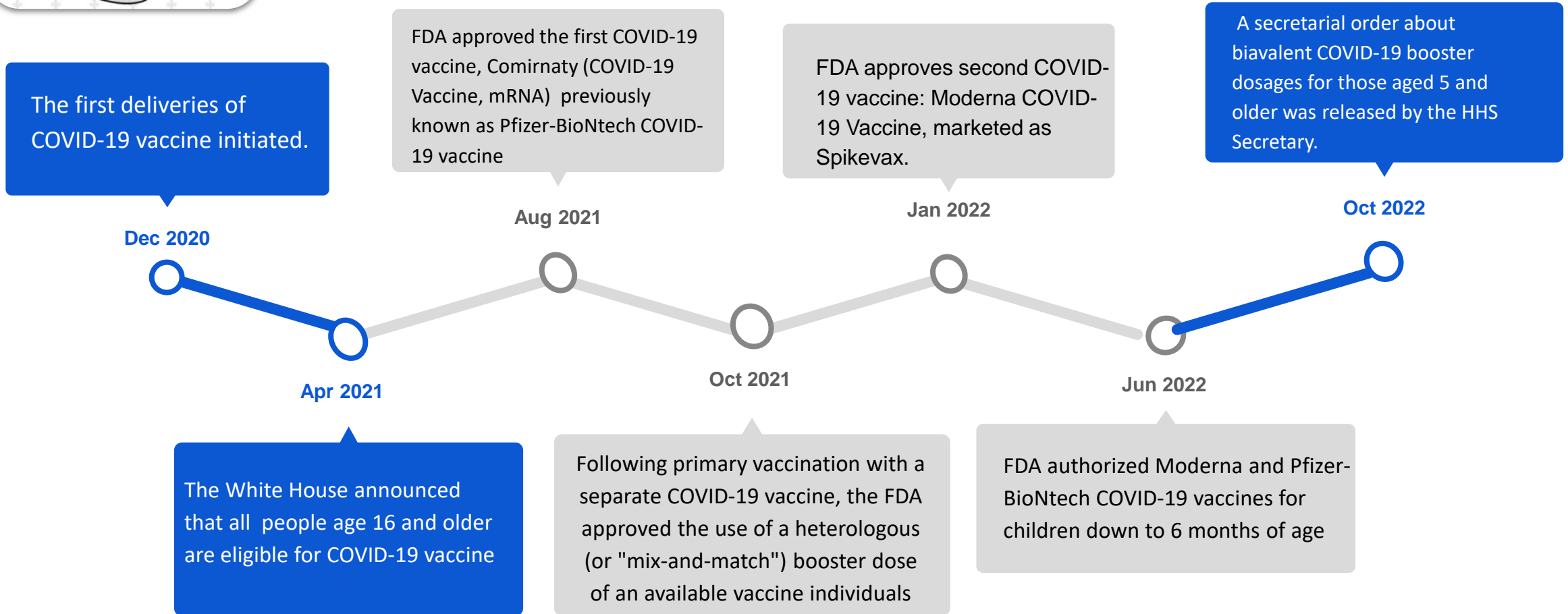
[Breakthrough infections](#) in people who are vaccinated are expected. The emergence of the Omicron variant further emphasizes the importance of vaccination and boosters.

Antiviral treatments are effective

Some, but not all, [monoclonal antibody treatments](#) remain effective against Omicron. Public health agencies work with healthcare providers to ensure that effective treatments are used appropriately to treat patients.



COVID-19 Vaccine Timeline



Methods for Data Collection



- Data source: Massachusetts Virtual Epidemiologic Network (MAVEN) Electronic Disease Surveillance System (EDSS)
- Data based on *CONFIRMED cases between 1/1/2020-12/31/2020.
- Any other information besides PCR test result is based on case investigation via phone interview from the Local Board of Health and the State Community Tracing Collaborative.
- *confirmed case defined as case with positive PCR test result

2020 COVID-19 Data Highlights

➤ Population size: 101,636

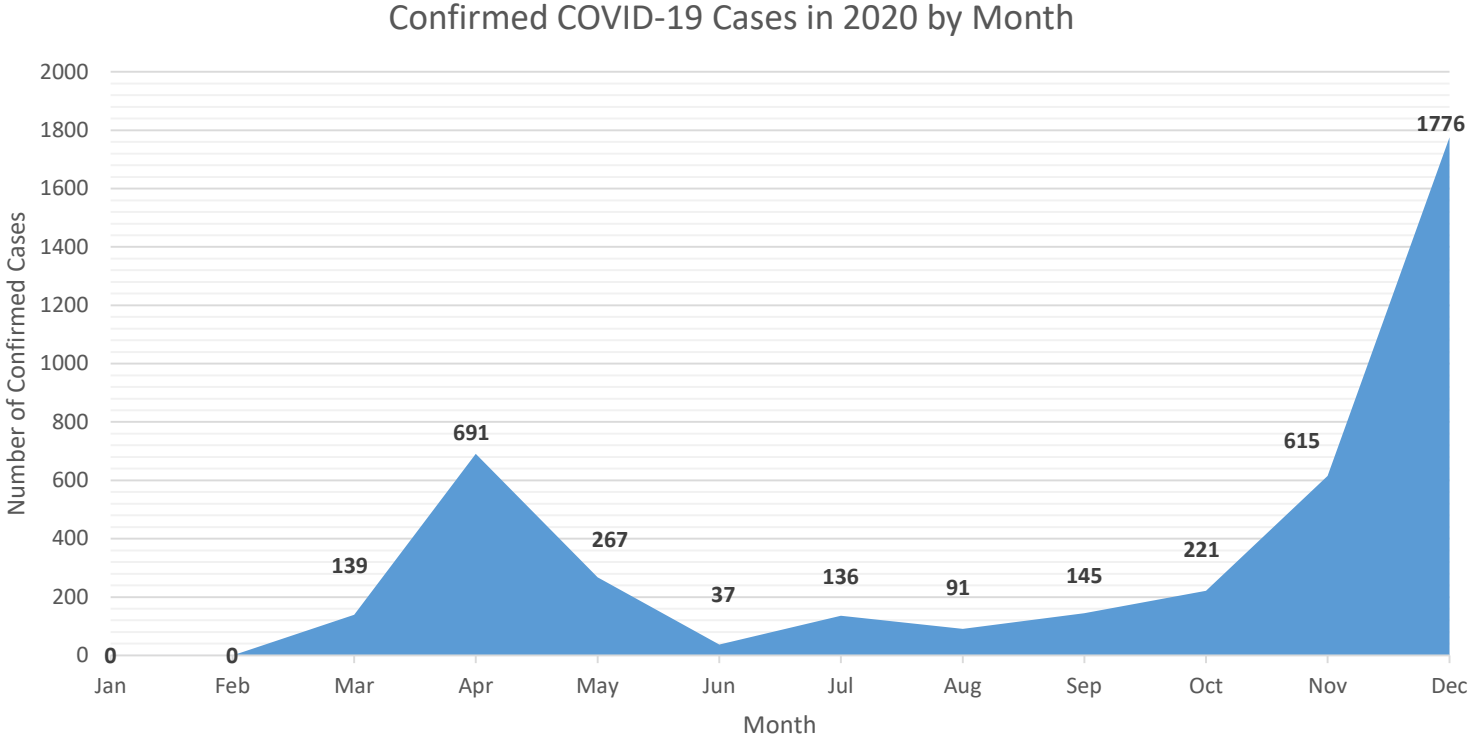
➤ (Quincy population estimated by Census on April 1st, 2020)

➤ Percentage of Confirmed cases among Quincy Population: 4.1%

Highlights	Numbers
Total confirmed cases	4,118
Total confirmed hospitalizations	224
Total confirmed deaths	146

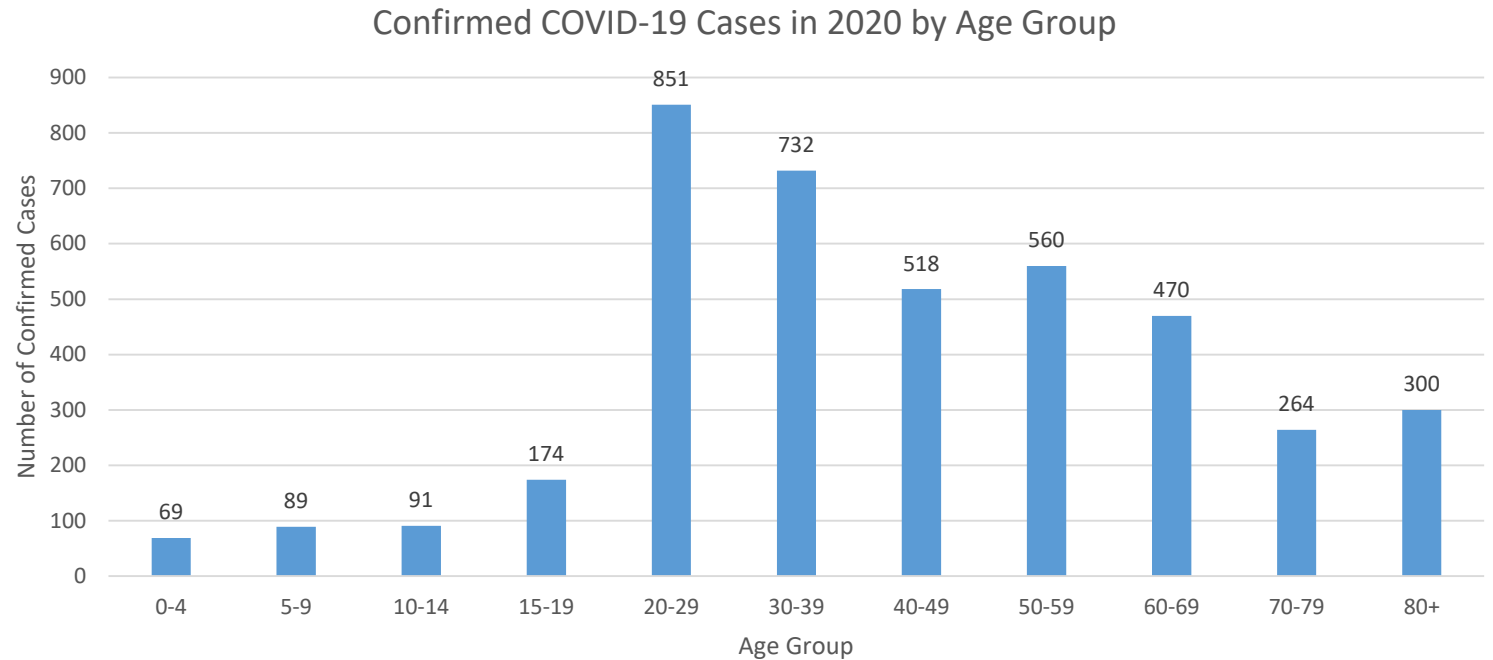
Monthly Confirmed Cases in 2020

Month	Number of Confirmed Cases
Jan	0
Feb	0
Mar	139
Apr	691
May	267
Jun	37
Jul	136
Aug	91
Sep	145
Oct	221
Nov	615
Dec	1776
Total	4118



Case Distribution by Age Group in 2020

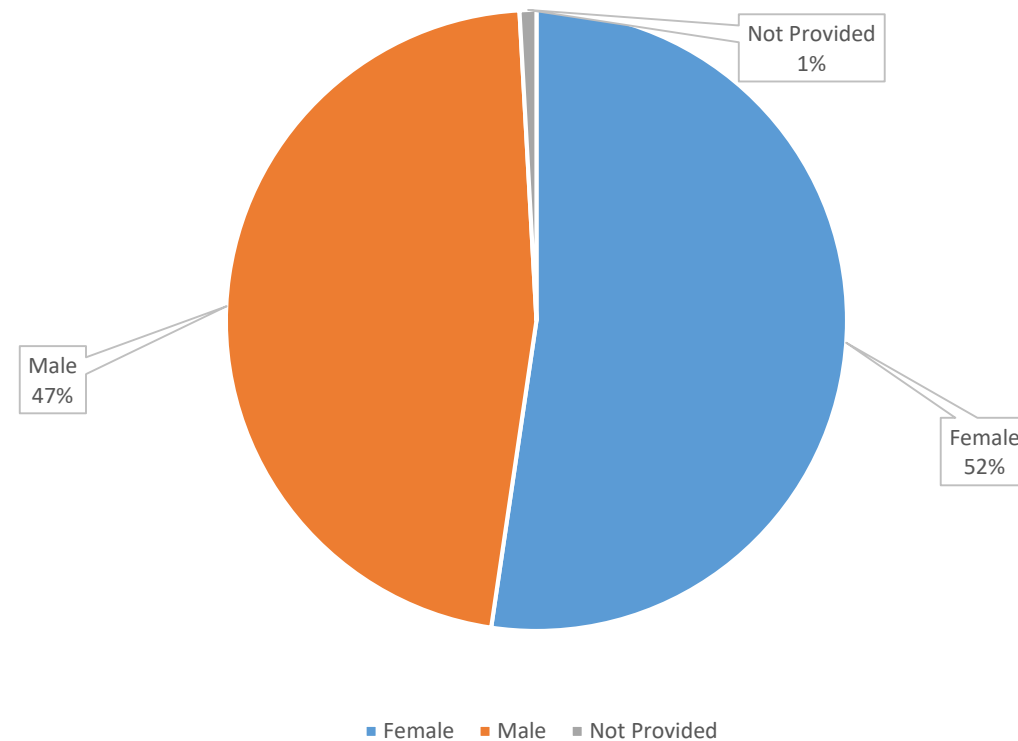
Age Group	Number of Confirmed Cases
0-4	69
5-9	89
10-14	91
15-19	174
20-29	851
30-39	732
40-49	518
50-59	560
60-69	470
70-79	264
80+	300
Total	4118



Case Distribution by Gender in 2020

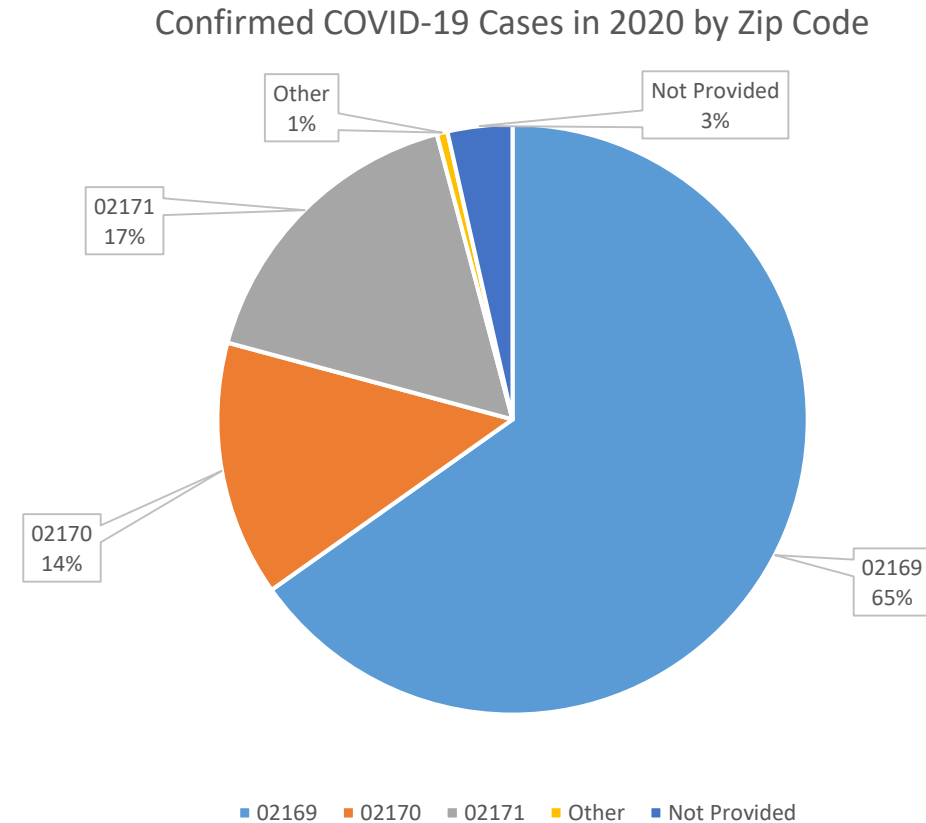
Confirmed COVID-19 Cases in 2020 by Gender

Gender	Number of Confirmed Cases
Female	2155
Male	1927
Not Provided	36
Total	4118



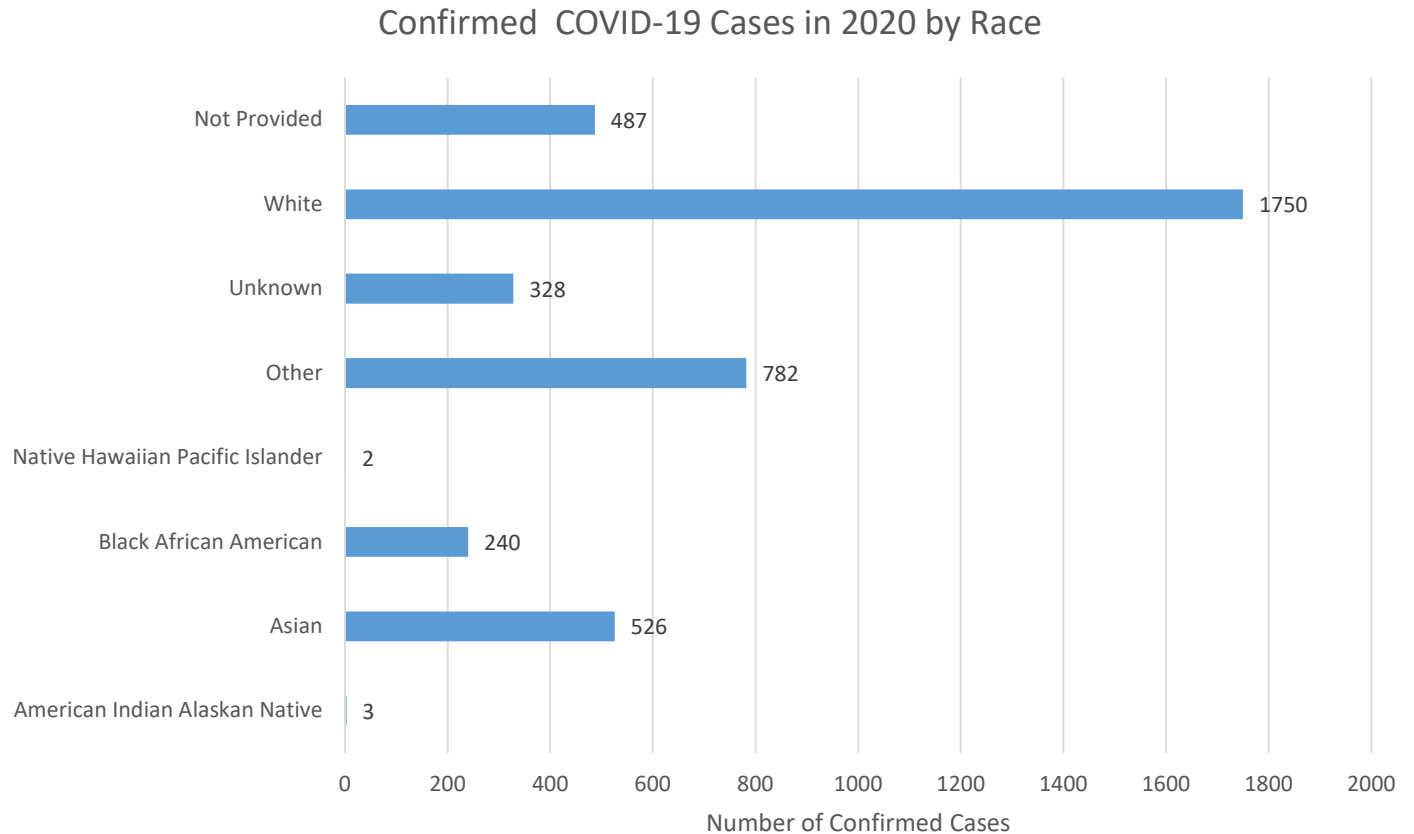
Case Distribution by Zip Code in 2020

Zip Code	Number of Confirmed Cases
02169	2685
02170	576
02171	687
Other	24
Not Provided	146
Total	4118



Case Distribution by Race in 2020

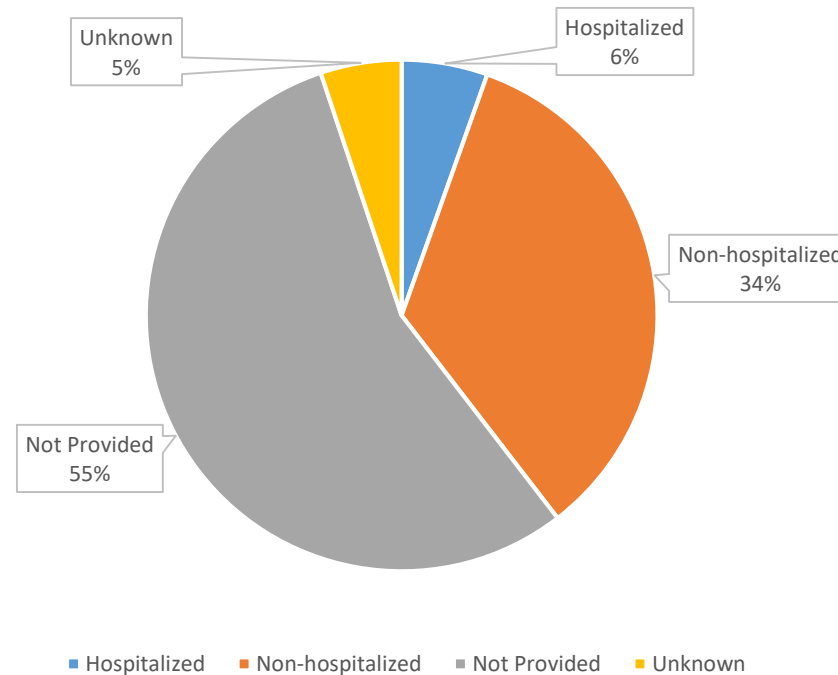
Calculated Race	Number of Confirmed Cases
American Indian Alaskan Native	3
Asian	526
Black African American	240
Native Hawaiian Pacific Islander	2
Other	782
Unknown	328
White	1750
Not Provided	487
Total	4118



Case Distribution if Hospitalized in 2020

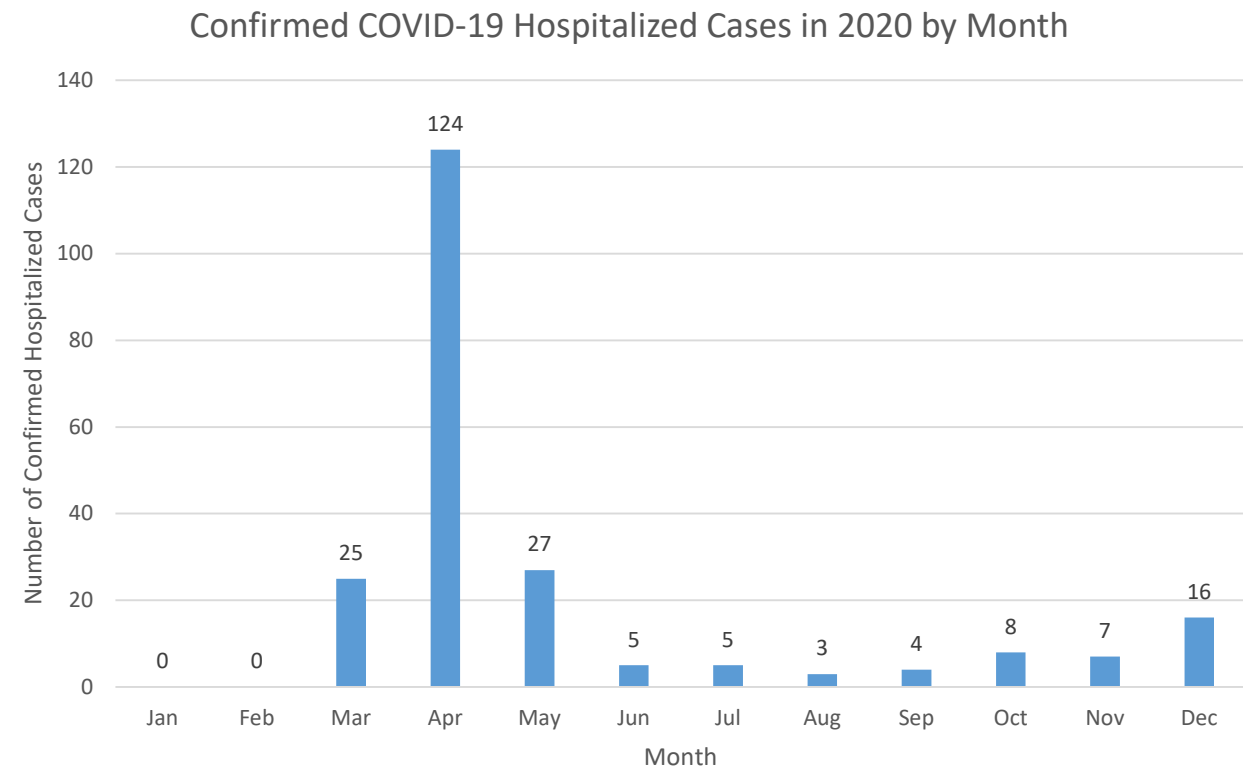
Hospitalized	Number of Confirmed Cases
Hospitalized	224
Non-hospitalized	1405
Not Provided	2278
Unknown	211
Total	4118

Confirmed COVID-19 Cases in 2020 Hospitalization



Number of Hospitalizations by Month in 2020

Month	Number of Confirmed Hospitalized Cases
Jan	0
Feb	0
Mar	25
Apr	124
May	27
Jun	5
Jul	5
Aug	3
Sep	4
Oct	8
Nov	7
Dec	16
Total	224

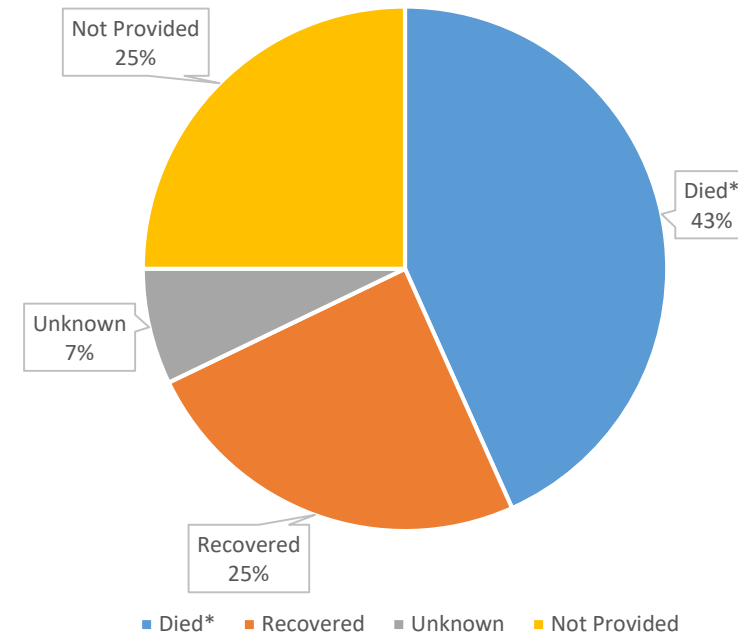


Hospitalized Case Outcomes in 2020

Outcome	Number of Confirmed Hospitalized Cases
Died*	97
Recovered	55
Unknown	16
Not Provided	56
Total	224

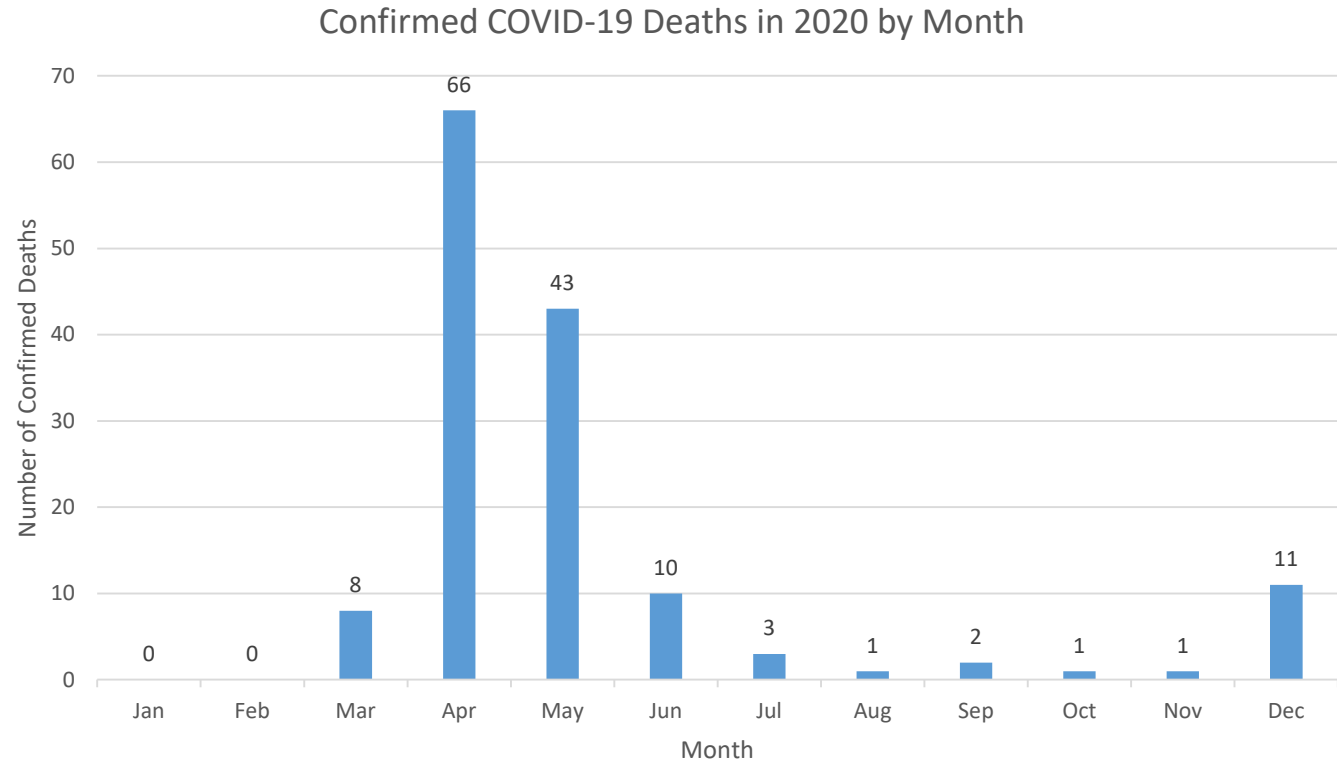
*Cause of death not specific to COVID-19, please refer to COVID Death Report for specific cause of death from COVID-19

Confirmed COVID-19 Hospitalized Cases in 2020 and Outcomes



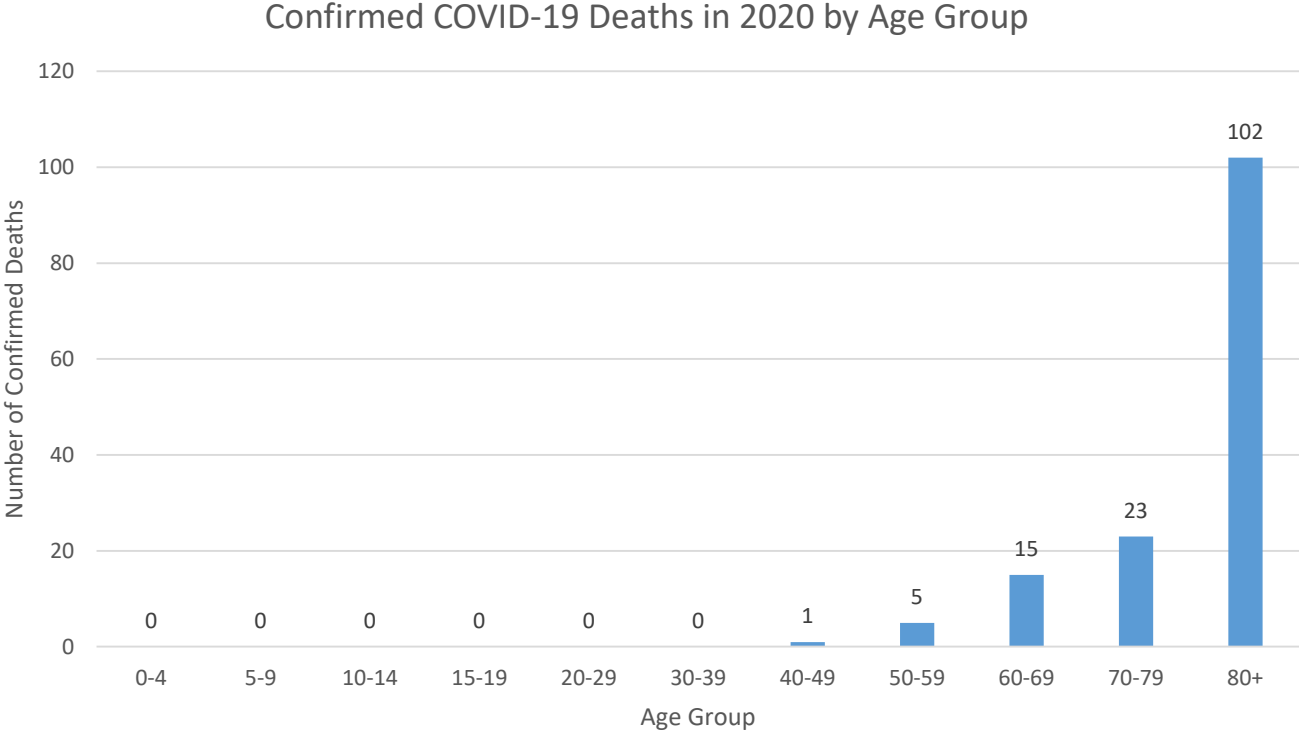
Monthly Confirmed Deaths in 2020

Month	Number of Confirmed Deaths
Jan	0
Feb	0
Mar	8
Apr	66
May	43
Jun	10
Jul	3
Aug	1
Sep	2
Oct	1
Nov	1
Dec	11
Total	146



Death Distribution by Age Group in 2020

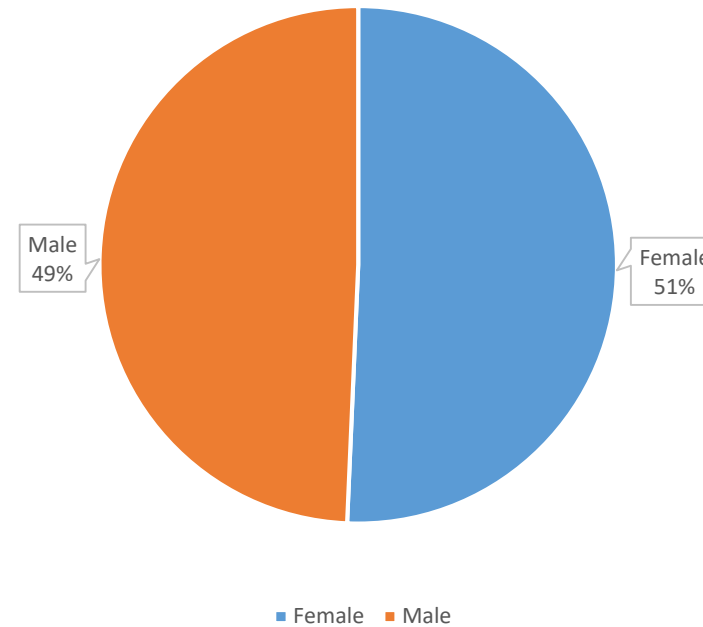
Age Group	Number of Confirmed Deaths
0-4	0
5-9	0
10-14	0
15-19	0
20-29	0
30-39	0
40-49	1
50-59	5
60-69	15
70-79	23
80+	102
Total	146



Death Distribution by Gender in 2020

Confirmed COVID-19 Deaths in 2020 by Gender

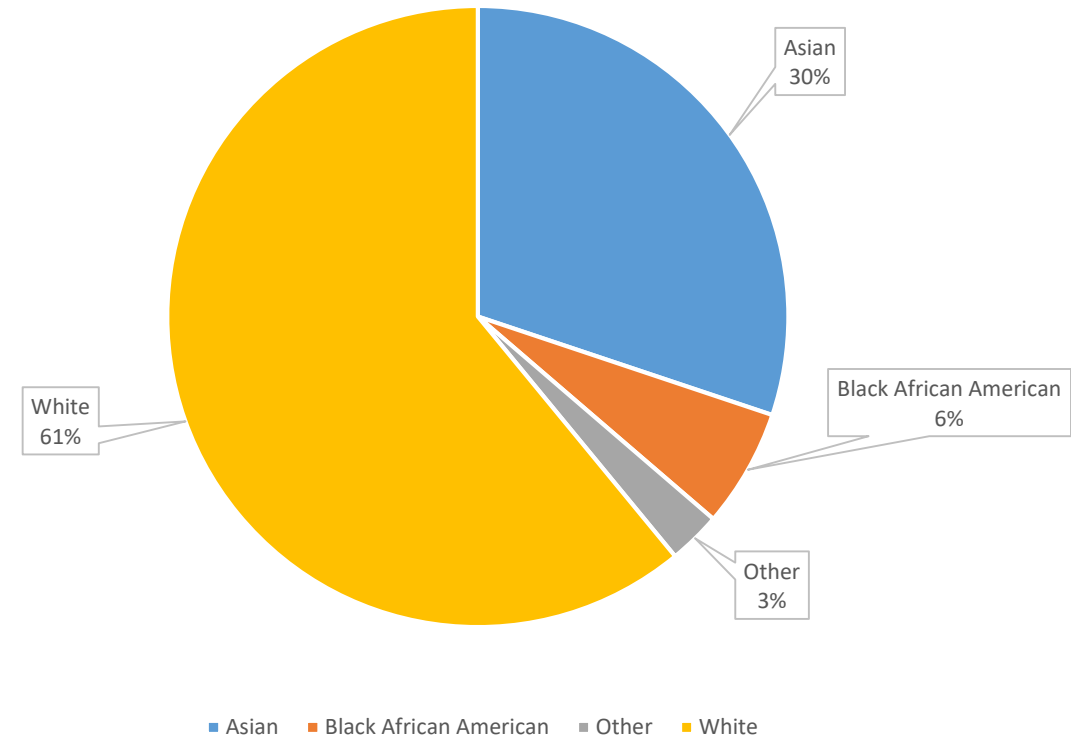
Gender	Number of Confirmed Deaths
Female	74
Male	72
Total	146



Death Distribution by Race in 2020

Confirmed COVID-19 Deaths in 2020 by Race

Calculated Race	Number of Confirmed Deaths
Asian	44
Black African American	9
Other	4
White	89
Total	146



Reference

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