



Vaccination Promotion through Epidemiology

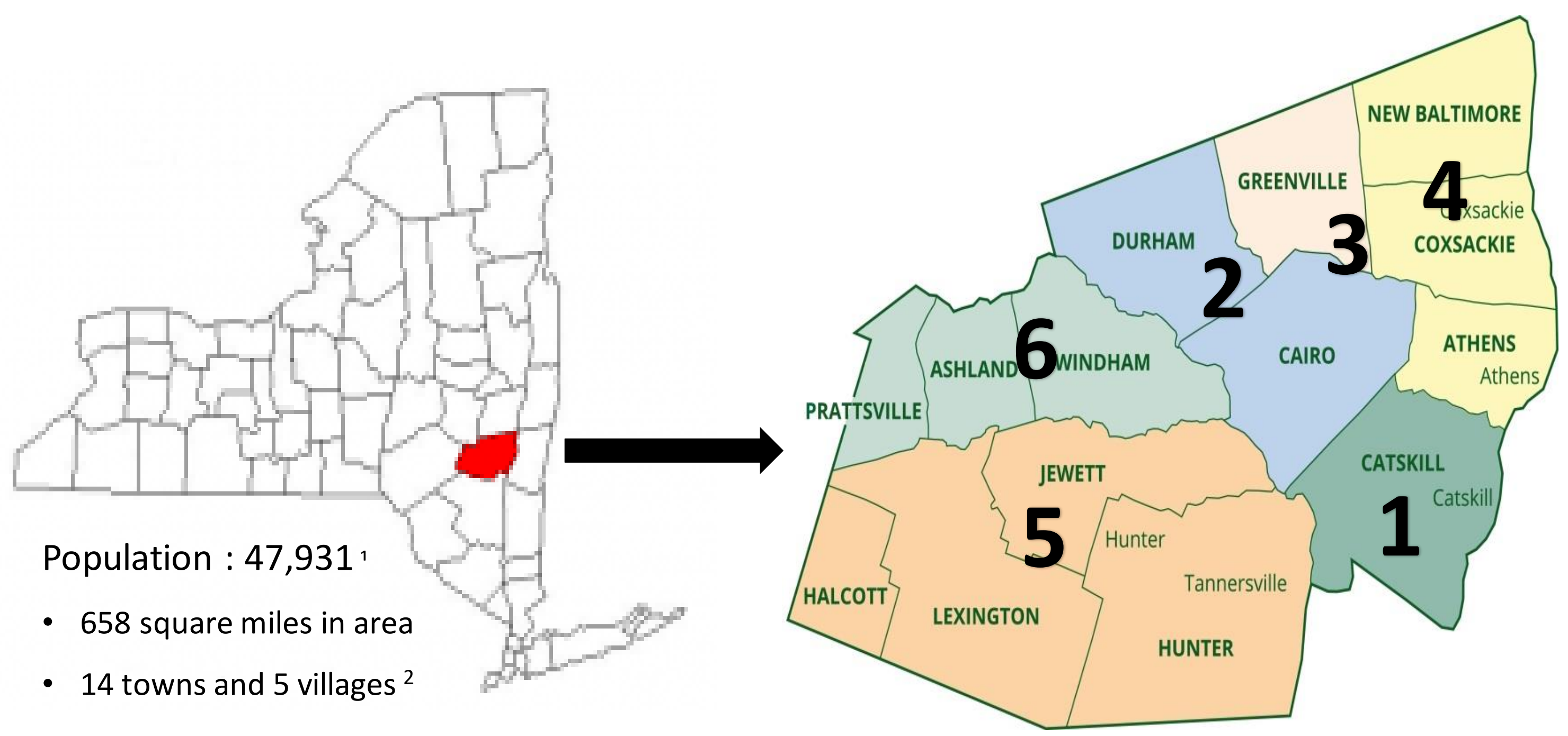
Highlighting Local Covid-19 Trends and Risk Factors in Greene County, New York to Increase Vaccine Uptake

Alexa Markiewicz RN, BSN
Public Health Fellow
Greene County Public Health Department

Abstract

Greene County is a rural county bordered by the Hudson river and Catskill mountains. This data analysis compiles the Covid-19 cases, vaccination coverage, co-morbidities and mortality rate in Greene County. Data from June 2020 through December 2022 was collected from the New York State data collection system, CommCare. The dataset was cleaned, stratified and analyzed based on region, age, gender, vaccination status, co-morbidities and whether or not case was hospitalized, or deceased. The goal of Greene County Public Health Department is to increase vaccination rates to 70% by December 2024. This data analysis was conducted to aid in designing a vaccination campaign in furtherance of this goal. Greene County Public Health Department will target outreach by geographical area, age group and comorbidity status.

Greene County, New York



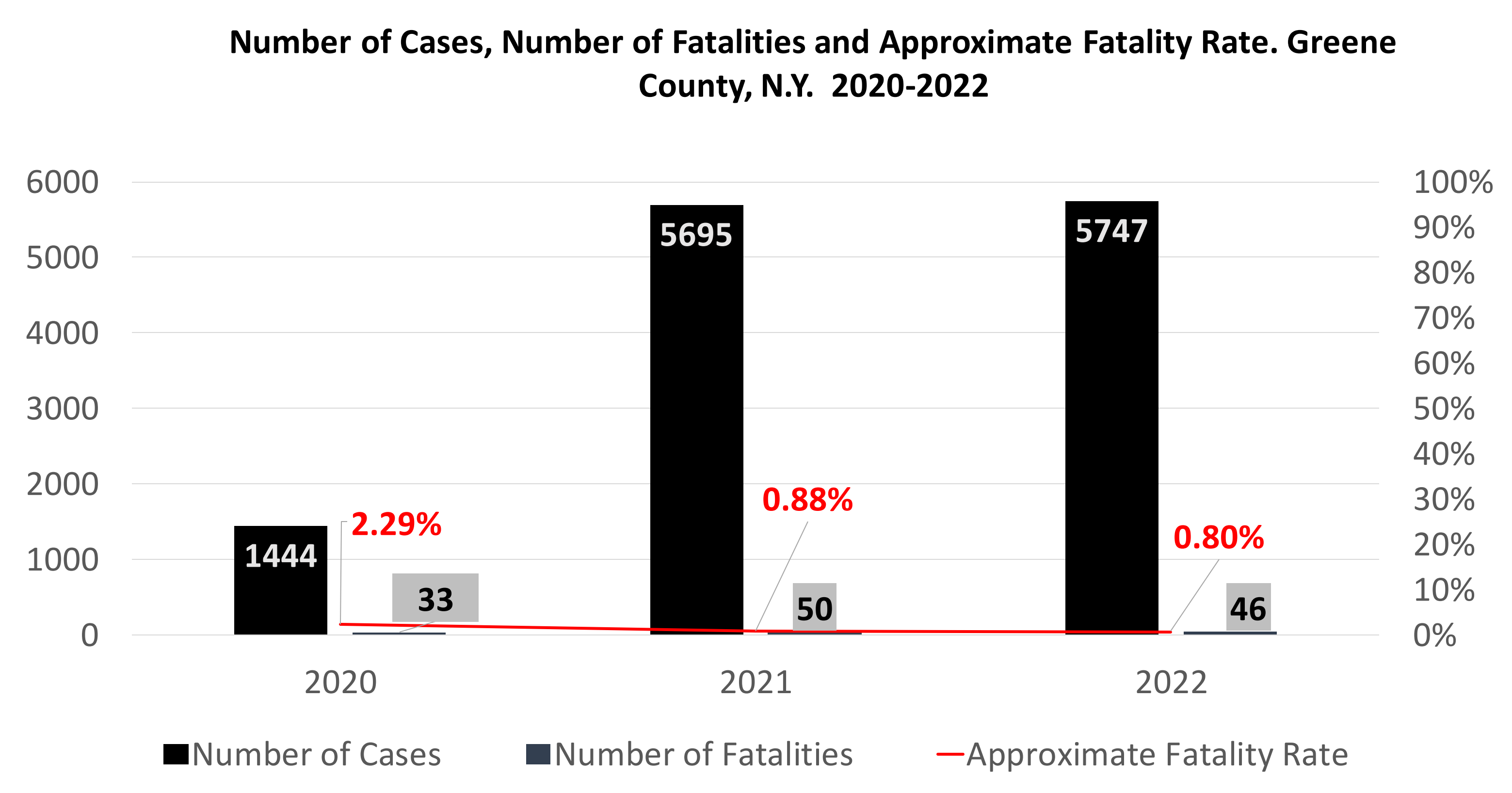
Covid-19 by Region

Vaccination, Cases and Fatalities by Region. Greene County, NY 2020-2022

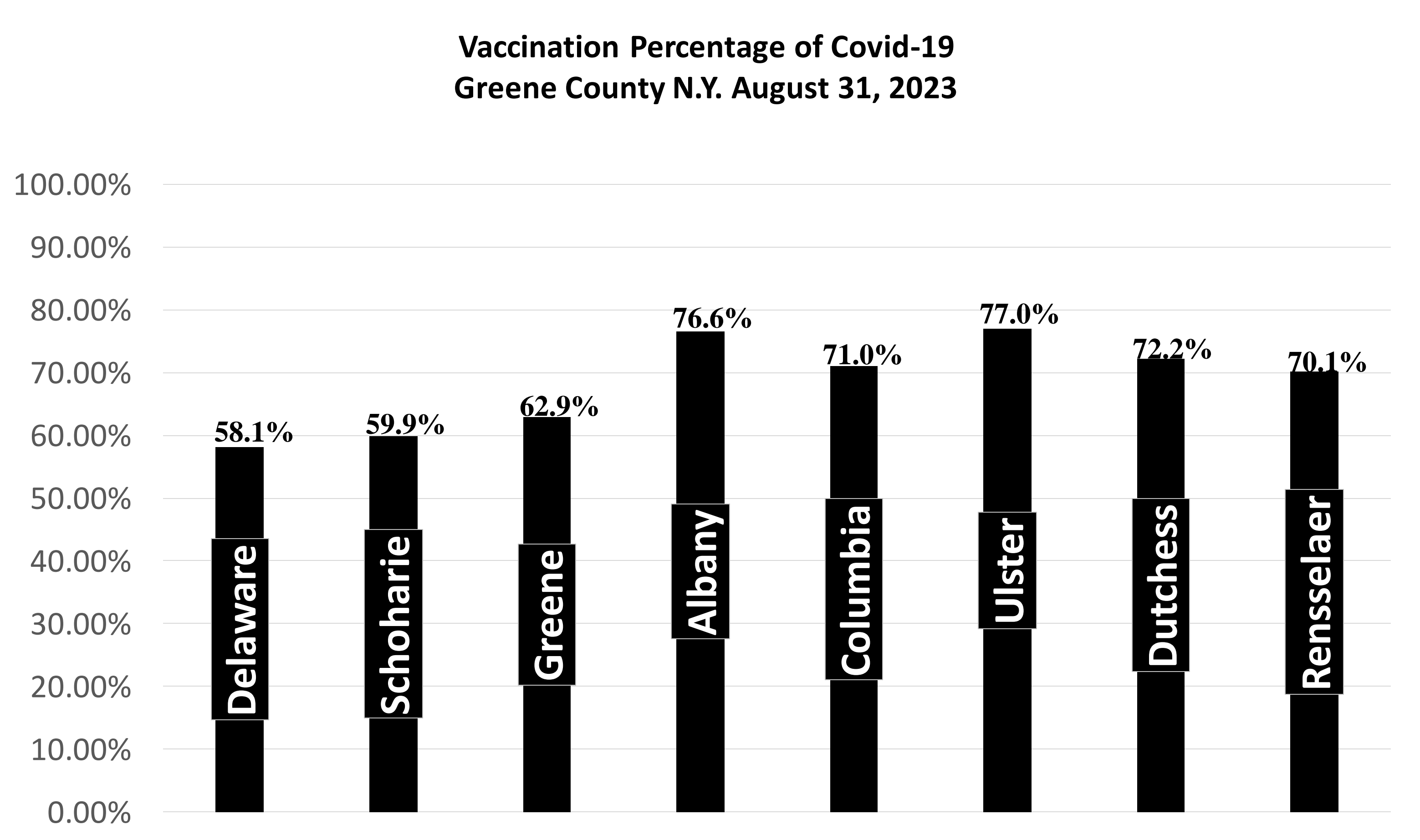
	Region 1	Region 2	Region 3	Region 4	Region 5	Region 6
% Cases	31%	18%	9%	31%	6%	6%
Case Rank	1	2	5	3	6	4
%Fatalities	53%	16%	5%	18%	5%	3%
Fatality Rank	1	2	4	3	5	6
% Vaccinated	62%	61%	75%	62%	64%	53%
Vaccination Rank	3	5	1	4	2	6

*Greene County vaccination rates (retrieved August 31, 2023)

Cases and Fatalities



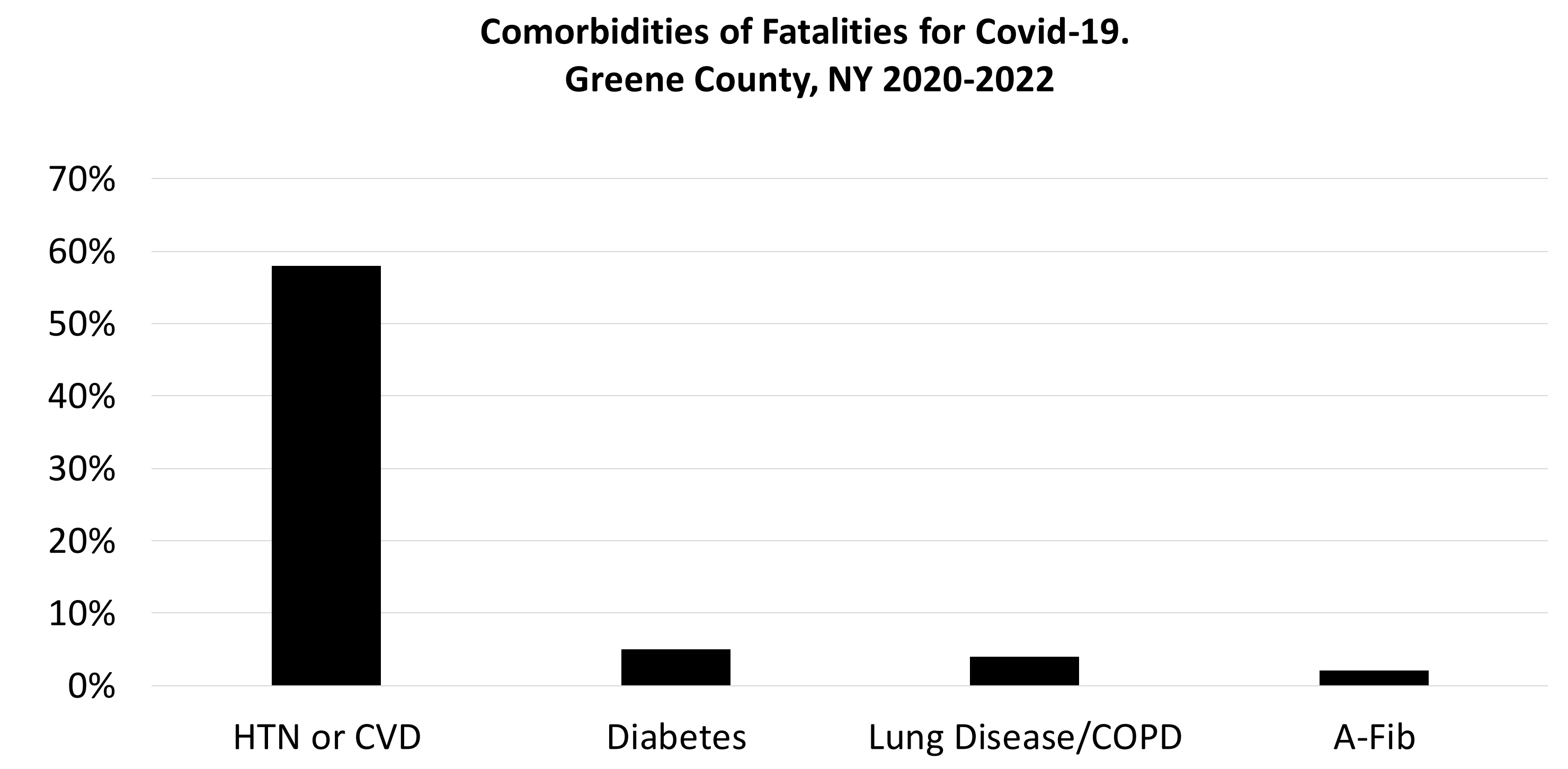
Vaccination Percentages by County



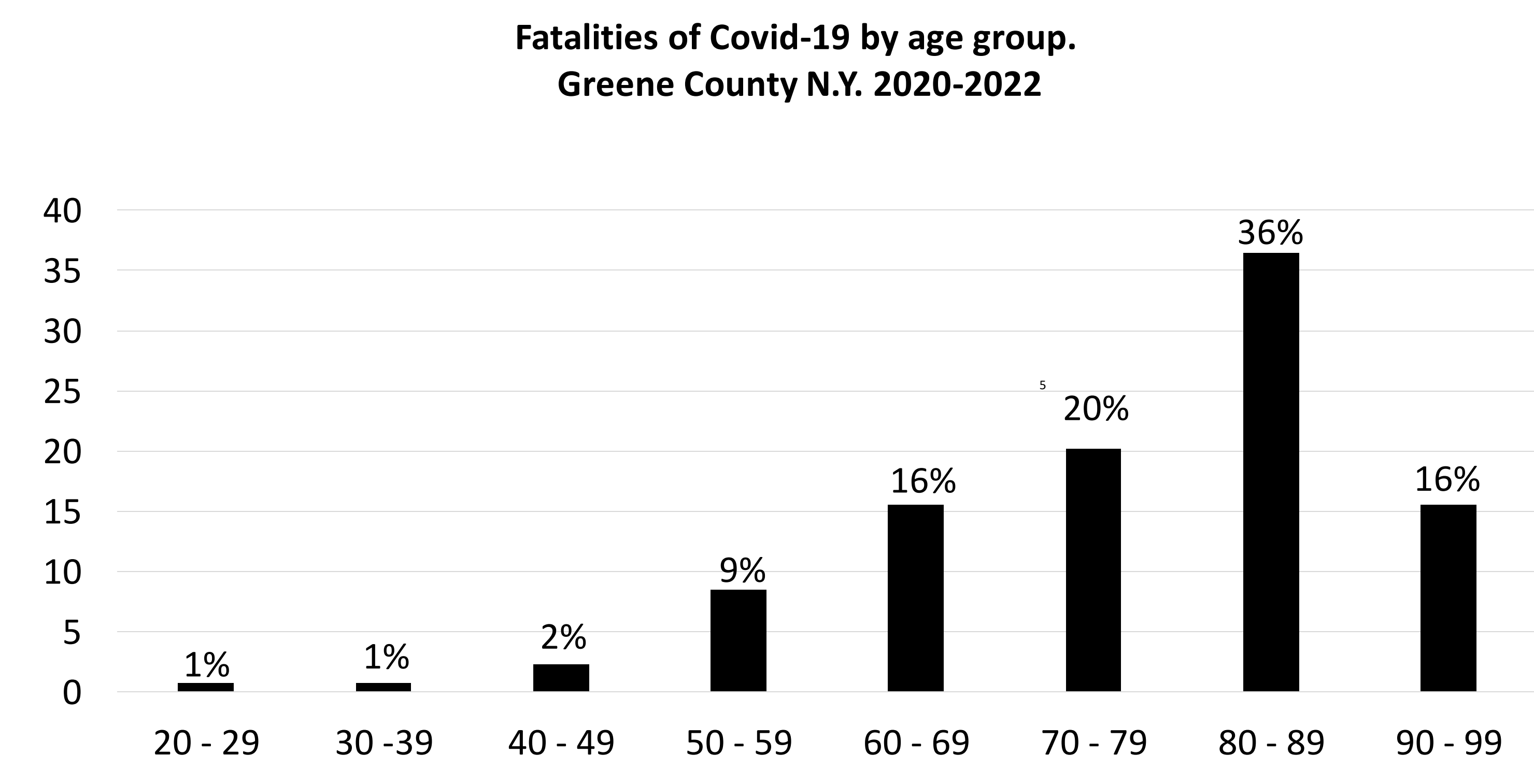
Greene County vaccination rate **62.9%** (retrieved August 31, 2023)
Current percentages can be viewed scanning QR code



Co-Morbidities and Fatalities



Age Category and Fatalities



References

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4. Centers for Disease Control and Prevention. (2022) Preliminary Estimated Influenza Illnesses, Medical visits, Hospitalizations, and Deaths in the United States – 2021-2022 influenza season. Retrieved from <https://www.cdc.gov/flu/about/burden/2021-2022.htm#2021-burden-est>
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6. (2022). Similarities and Differences between Flu and COVID-19. Centers for Disease Control and Prevention. <https://www.cdc.gov/flu/symptoms/flu-vs-covid19.htm>