**CAPSTONE PROJECT by Nina Shah**

**COVID 19 IMPACT ON HEALTHFIRST MEMBERS/PROVIDERS**

**INTRODUCTION**

The COVID-19 crisis continues to have a significant impact on individuals, society, business, and the wider economy across the globe. The insurance industry has not escaped its impact, but insurers have responded quickly to the crisis. As the broader economy recovers and responds to the pandemic, insurers will face several challenges but also see many new opportunities in the medium to long term. This project aims to determine what that impact is in terms of how many of our members across the different lines of business were affected by COVID 19 and what their outcomes were. I will utilize Healthfirst data cleansed to remove PHI. This project will help me in applying the knowledge gained through the LGCC data analytics course to real time issues at hand.

**MOTIVATION**

As an auditor, my investigative nature, propels me to look to analytics to identify and research outliers. As an employee of Healthfirst I would like visibility into how the members / providers we serve were impacted by the pandemic

**RESEARCH / GUIDING QUESTION**

How many members were impacted with COVID 19 that led to hospitalization and what was the ultimate outcome across different age groups and lines of business? Additionally, will look to see if I can see any correlation with data reported to external regulatory agencies for nursing home as HF has a large Medicare population and may have a certain population who are nursing home residents?

**DATASETS TO EXPLORE**

Dataset is being generated internally for HF members claims impacted by COVID from DWH using SQL, which is a great opportunity to utilize learning from the LGCC class. The dataset will be cleansed to remove PHI data.

Additionally, will utilize datasets for nursing home fatalities data if applicable from:

<https://health.data.ny.gov/Health/New-York-State-Statewide-COVID-19-Nursing-Home-and/u2vg-th2g>

<https://www.health.ny.gov/statistics/diseases/covid-19/fatalities_nh.pdf>