

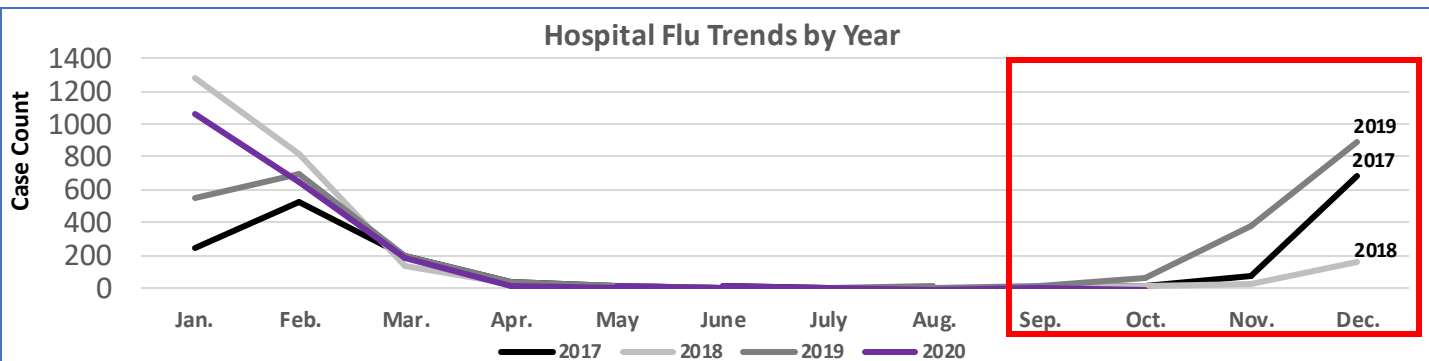
Manjula Julka, MD, MBA, Ashley Steele, George 'Holt' Oliver, MD, Albert Karam, MS, Thomas Roderick, PhD, Francesco Mainetti, Brett Moran, MD

Background

Last year in USA, flu vaccination prevented an estimated 4.4 million influenza illnesses, 2.3 million influenza-associated medical visits, 58,000 influenza-associated hospitalizations, and 3,500 influenza-associated deaths. This year, we are dealing with pandemic already and fear twindemic. To avoid healthcare systems getting overwhelmed treating both patients with flu and with COVID-19, it is more important than ever to strategically enhance vaccination in community. Flu vaccines have been shown to reduce the risk of flu illness, hospitalization, and death.

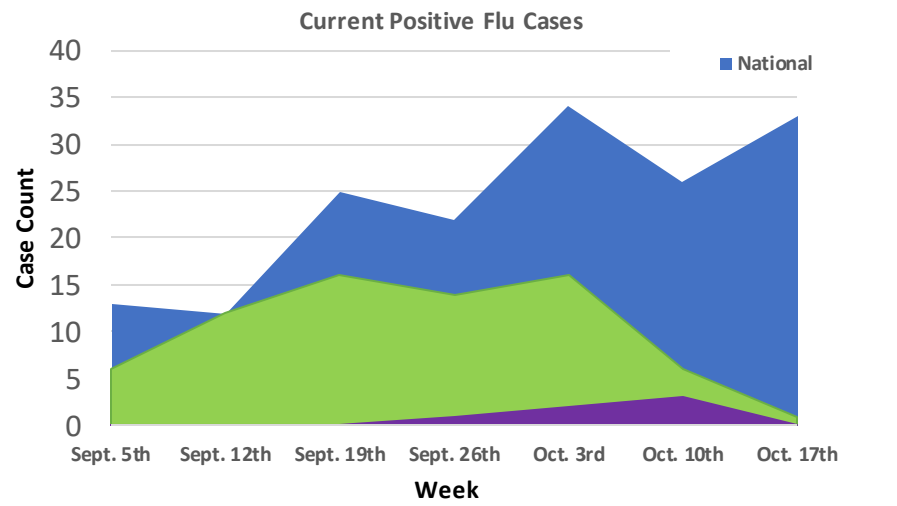
Actionable Data-insights Visualizations

The Formula for Vulnerability: Constructing the Flu Vulnerability Index



Results/Impact

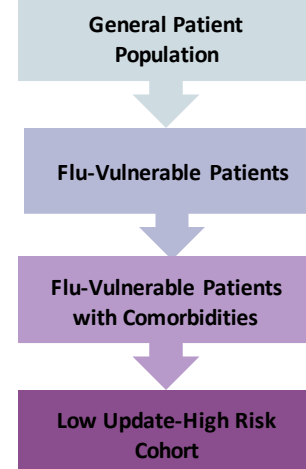
- Location planning for community Flu-drives including mobile units to ensure outreach for Vulnerable populations
- Media messaging, increased awareness/educational campaigns that are guided by data-insights and culture appropriateness
- We hope to enhance uptake of vaccination in historical low vaccine uptake areas that have high-risk populations.



Project Aim

To provide geospatial analysis of needs and risk zones to augment Parkland's operational planning and coordination with community partners for Flu vaccine delivery for maximum impact by reducing the burden of disease in what could be a difficult Influenza season.

Target Cohort Identification



Heatmap of Flu Vulnerable Patients

