



An Investigation Into Vaccination Patterns Across Demographics

AUTHORS



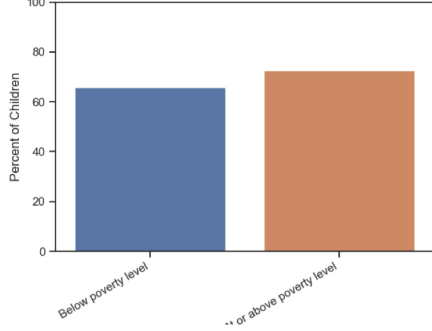
Motivation & Research Questions

- **Not everyone gets the same vaccines**
 - In doing performing this research, we wanted to see what might cause this
 - Perhaps analysis like this could be used to identify problem areas and provide better support
- How have vaccination rates for major vaccines for the general US population changed over time (from 1998 to 2016)?
- Is there a correlation between vaccination rates and poverty status across the general US population?
- Vaccination rates and location?
- Vaccination rates and race?
- What will the vaccination coverage look like in the future in the general US population?

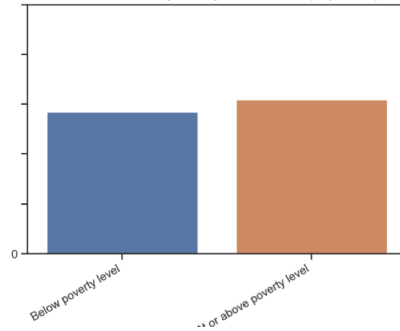


Poverty and Location Percentages

Vaccination Rates by Poverty Status in 2016 (Combined 7-vaccine series)

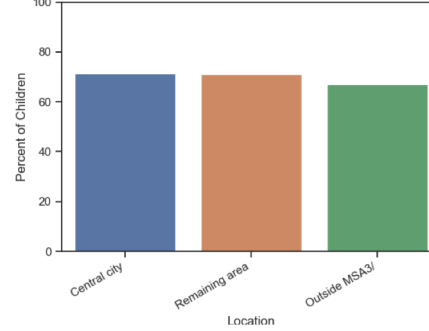


Vaccination Rates by Poverty Status in 2016 (Hepatitis A)



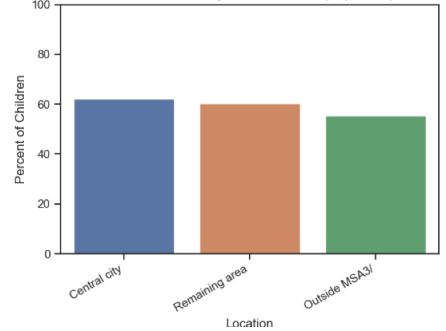
Higher vaccination percentages in families that are at or above the poverty level

Vaccination Rates by Location in 2016 (Combined 7-vaccine series)



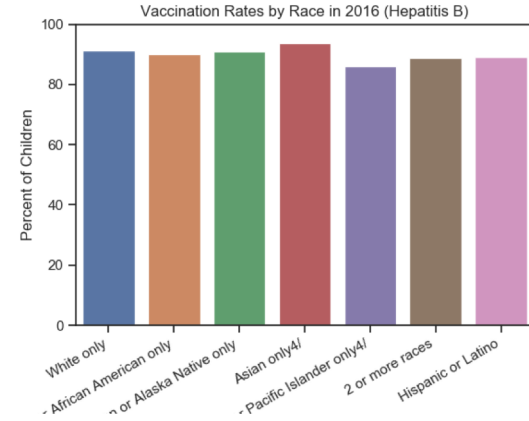
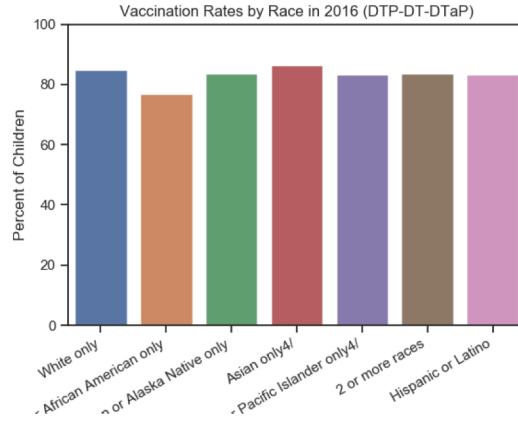
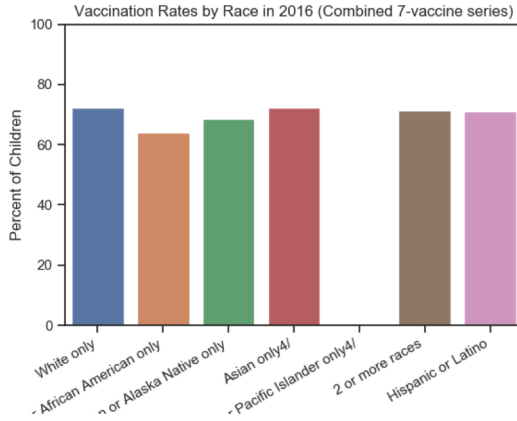
Higher vaccination percentages in families in side the metropolitan statistical area

Vaccination Rates by Location in 2016 (Hepatitis A)



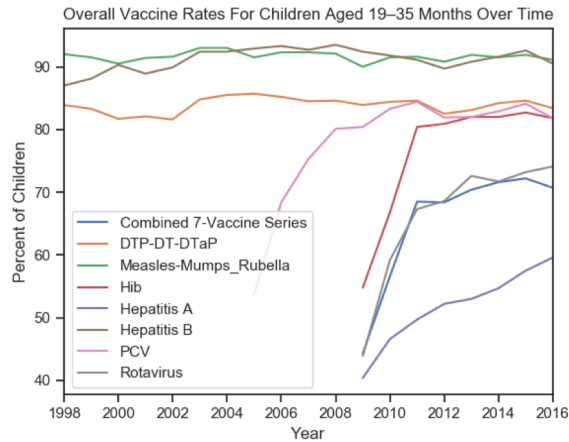


Vaccination Percentages by Race



Vaccination percentages were mostly varied throughout all races

Change from 1998 - 2016 and the Future



- The vaccines with data back to 1998 remain pretty constant, while others have a quick increase in percentage but then plateau
- In the future, all vaccination rates seem like they will remain constant, with some exceptions

