

Project 2 – Vaccination Coverage among Adolescents (13-17 Years)

MTH 161 – Fall 2024

Susana Maciel

2024-11-15

Part 1: choose a dataset and propose a question

Due Nov. 15th

Research question: What factors influence the vaccination coverage rates of adolescents aged 13-17 in the United States, and how do these rates vary by state or demographic group?

Background Information on the Dataset: The dataset, sourced from the CDC, contains comprehensive vaccination coverage estimates for U.S. adolescents aged 13–17 years. It captures: Vaccines covered: Includes coverage rates for vaccines like Tdap, HPV, and MCV4. Geographical breakdown: State-level and national-level data. Demographics: Information by gender, race/ethnicity, and insurance status. Temporal aspect: Trends over years to study coverage changes.

You can find the dataset and more details below. https://data.cdc.gov/Teen-Vaccinations/Vaccination-Coverage-among-Adolescents-13-17-Years/ee48-w5t6/about_data