

ACS_S0101 data set

- A. Summarize the data source. Include whether it's internal or external data, who owns the data, and how trustworthy it is.**

Internal: This data is owned by the Census Bureau.

The data is trustworthy because there are guidelines to documenting all components of the data collection process to assure the consistency of its processes.

- B. Summarize the data collection method. Is it administrative data, usage data, or survey data? Is it collected manually or automatically? Is there a time lag?**

Data is collected through manual surveys. There is a 10-year time lag between population census data collection.

- C. Write an overview of the data contents. What variables are included?**

S0101 contains data for total US population estimates. Data variables are age and sex.

- 2) Be sure to note any limitations of the data set. Could the data be biased? Is it collected infrequently? Could it contain manual errors?**

Data is based on a sample and is subject to sampling variability. Values listed are in the 90 percent margin of error. Estimates of urban and rural populations do not necessarily reflect the results of ongoing urbanization.

- 3) Use the project objective and your hypothesis to determine the relevancy of the data set to your project.**

This data set is not relevant to my hypothesis.

Influenza Laboratory Tests and Patient Visits data sets.

- A. Summarize the data source. Include whether it's internal or external data, who owns the data, and how trustworthy it is.**

External: The clinics and healthcare providers own this data. This data is trustworthy because public health and clinical labs submit data voluntarily.

- B. Summarize the data collection method. Is it administrative data, usage data, or survey data? Is it collected manually or automatically? Is there a time lag?**

The data is collected through surveys collected automatically when flu lab tests are taken. New preliminary data is presented weekly and may change when more data is received. There is a weekly time lag.

- C. Write an overview of the data contents. What variables are included?**

The CC_Lab_Tests data contains information from weekly flu tests. Variables include region, state, years, weeks, total test specimens, percent positive tests, and counts for different subtypes of influenza.

D. Limitations, biases, and errors

Data is limited because the results aren't complete counts of all influenza visits or lab tests.

E. Relevance to hypothesis

This data could be relevant to a different hypothesis examining flu patterns across various states.

Children Flu Shots data set

A. Summarize the data source. Include whether it's internal or external data, who owns the data, and how trustworthy it is.

Internal: The CDC owns this data. Information is gathered about young children, regarding their vaccination status and home environment. This data is not trustworthy because the answers and demographic information are self-reported.

B. Summarize the data collection method. Is it administrative data, usage data, or survey data? Is it collected manually or automatically? Is there a time lag?

Data was collected via surveys and collected manually through phone calls to a random sampling of parents. Questionnaires are conducted from October through June each year so there is a lag on data for the remainder of the year.

C. Write an overview of the data contents. What variables are included?

The NIS Flu Shot Survey contains data from families around the United States. Some variables include children's age range, vaccination status, parent's marital status, and general household data including poverty status among other factors.

D. Limitations, biases, and errors

Data for this survey is limited to parents who answered the phone and could be biased due to interpretation of the questions. There could be errors with interpreting the answers given over the phone. Answers are limited to what the sample subject felt comfortable disclosing.

E. Relevance to hypothesis

This data set is irrelevant to my hypothesis because children's vaccinations are not related to frontline staff members and their family.