

Population data by geography US Census data:

Source Data: Source data is external as it comes from US government and data is provided through centers of disease control and prevention. And as it is a government operating data, it is highly trustworthy.

Data Collection: Data is Administrative. The data that is used to analyze the population by geography is related to the medical staffing agency. The data provided by CDC (centers of disease and prevention) is accurate and timely updated as it is a government data.

Data contents: The dataset includes all the data related to influenza season throughout years. It contains influenza year, population affected, age group, regions, deaths and recovery rate. Also, this data changes if as an example there is any change in the virus and can lead to major spread.

Data relevance: data is related as the CDC dataset has all the information that is needed for influenza season by population. It includes the data for all regions and how much population is affected and their age group. It also contains the vaccination related information like how much population had already got flu shot and how many is at high risk also the death rate - population wise. This data can help to allocate staff during influenza season that is why it is relevance dataset.

Data limitation: Although data is updated and operated by government, there is few changes for any errors but the dataset is large and difficult to handle so sometime due to size of dataset the server error may occur.

U.S. influenza surveillance by CDC:

Source Data: Data is external as it is coming from dataset operated by US government. The data is collected by CDC and their many partners in state, local and territorial health departments, public health and clinic laboratory, health care providers, hospitals, clinics, emergency department and long-term care facilities.

Data Collection: Data is collected by survey from different health units so it can be considered as a survey data. Data comes from different departments and regions and collected by survey.

Data contents: The data contains the information about spread of influenza, changes in the virus, illness, hospitalization and deaths by influenza and what age group is highly affected, how many shots are given, vaccinated population rate.

Data relevance: Data includes the information about the population which is vaccinated, recovered, hospitalized and death. It is region based so it can help to find out to assign staff in different regions based on the population and hospitalized people.

Data limitation: Data is collected from different unit and it is possible to have error in data which is collected and sent by different health units as it is collected and sent by human via system so there is a possibility that data can have error.

Children flu shot survey by CDC:

Source Data: It is an external data. The data is coming from the CDC which is collected by immunization surveys and monitor and operated by government of united states so it is highly reliable and accurate.

Data Collection: The data is collected by national immunization survey group (NIS) which is sponsored by national center of immunization and respiratory disease of the CDC. It is run by survey company at university of Chicago. Data is collected by telephone survey so it is primarily a survey data.

Data contents: The data provides information about current, population-based, state and local area estimates of vaccination coverage among teens and Childrens using survey. It also contents information about the type of vaccination children got, number of doses and date of administration and other administration details per child.

Data relevance: Data is highly relevant as it contents the information on ratio of vaccinated or non-vaccinated children among states. It can help to analyze data on allocation of staff in different region throughout the influenza season.

Data limitation: The data is reliable as it is operated by government. But it is collected via telephone survey which leads some limitations like some people do not take part in the survey or error may occur while inputting the information as it is a survey-based data collection.