**Population Definition**

For the purpose of this database, the selected population will be “Obesity in Children under 18-years of age”.

**Database Elements**

For this database, the important elements and their data types will be as following:

1. Weight (Decimal Number): The weight of the child is described as the body mass of the individual with respect to gravity. The weight will have the data type of decimal number with standard unit of pounds. For instance, 58.6 pounds.
2. Age (Whole Number): Age is described as the number of years since birth. The age of the child will have the data type of Whole Number for instance 6, 10, or 12 years old.
3. Gender (Text): The gender of the child is described as the sexual identity of the child. It will be simple text data type with responses limited to male or female.
4. Ethnicity (Text): The ethnicity plays an integral part in defining the health and lifestyle of the patient as well. Therefore, it is also an important part of the database. The ethnicity will be in form of text that can be Caucasian, African American, Chinese, Latin, etc.
5. BMI (Decimal): BMI is the Body mass index of the individual. It determines the obesity level of the patient. This will have the data type of decimal number.
6. Body Fat Percentage (Percentage): The Body fat percentage is an important element when determining a structured diet, weight and exercise plan for the individual. this will have the data type of percentage.
7. Family History of Obesity (Boolean): This will determine if the child have family history of having obese relatives. This will be a Boolean data type as the responses will be in form of yes or no.

**References**

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