**Fathima R**

**Health Dashboard: Disease Analysis and Patient Outcomes**

**Using Microsoft Excel**

# **SUMMARY:**

The "Health Dashboard: Disease Analysis and Patient Outcomes" project involves the creation of an interactive dashboard using Excel to analyze disease-related data and patient outcomes. This dashboard utilizes filters for disease names and outcome statuses (positive/negative) to explore and visualize gender distribution, age ranges, cholesterol levels, fever occurrences, blood pressure categories, fatigue, and cough incidents. The aim is to provide a comprehensive view of patient characteristics and health indicators corresponding to various diseases and their outcomes.

# **DATASET:**

<https://www.kaggle.com/datasets/uom190346a/disease-symptoms-and-patient-profile-dataset>

# **ABOUT DATASET:**

**Columns and Usage:**

Disease: The name of the disease or medical condition.

Fever: Indicates whether the patient has a fever (Yes/No).

Cough: Indicates whether the patient has a cough (Yes/No).

Fatigue: Indicates whether the patient experiences fatigue (Yes/No).

Difficulty Breathing: Indicates whether the patient has difficulty breathing (Yes/No).

Age: The age of the patient in years.

Gender: The gender of the patient (Male/Female).

Blood Pressure: The blood pressure level of the patient (Normal/High).

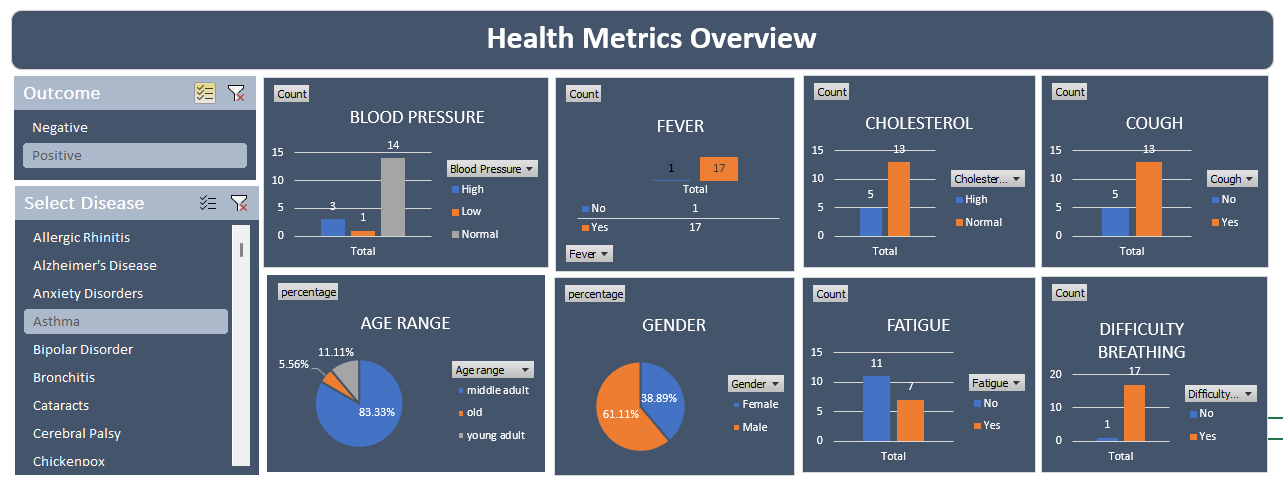
Cholesterol Level: The cholesterol level of the patient (Normal/High).

Outcome Variable: The outcome variable indicating the result of the diagnosis or assessment for the specific disease (Positive/Negative).

# **OBJECTIVES**

1. Data Exploration: Utilize Excel filters to dynamically examine disease-specific data and outcomes, offering a detailed understanding of each disease's impact on patients.
2. Patient Profile Analysis: Analyze gender distribution and age ranges to discern patterns in disease occurrence among different demographics.
3. Health Indicators Evaluation: Investigate cholesterol ranges, fever occurrences, blood pressure categories, fatigue, and cough incidents to correlate these factors with specific diseases and outcomes.
4. Insight Generation: Derive insights that can aid healthcare professionals and policymakers in understanding disease trends, potential risk factors, and patterns related to patient outcomes.
5. Dashboard Interactivity: Provide a user-friendly interface allowing for easy exploration and visualization of disease-specific data and associated health indicators.

**DASHBOARD:**

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