**Project Report: Global Health Dashboard**

**1. Project Overview**

The **Global Health Dashboard** is an interactive Tableau project designed to analyze key global health indicators, explore trends across countries, and provide visual insights into factors affecting **life expectancy**, **healthcare spending**, and **disease immunization**.

**2. Data Description**

The dataset used is likely a compilation of **country-wise health indicators** sourced from organizations like WHO, World Bank, or UN databases. It includes metrics such as:

* **Life Expectancy (LE)** at birth (in years)
* **Adult Mortality Rate**
* **GDP per Capita**
* **Health Spending per Capita**
* **Immunization Coverage (%)**
* **Country and Region Names**

This data is used to draw correlations between **economic factors** (like GDP) and **health outcomes** (like life expectancy), with a special focus on **geographical disparities**.

**3. Dashboard Pages and Their Insights**

| **Worksheet Name** | **Purpose/Insight** |
| --- | --- |
| **Countries life expect** | Compare life expectancy among countries; assess global disparity. |
| **Adult Mortality** | Visualize trends in adult mortality; identify regions with high mortality risk. |
| **GDP vs LE** | Analyze the correlation between GDP and life expectancy; infer economic impact. |
| **Health Spending** | Explore health expenditure patterns; richer countries typically spend more. |
| **Immunization** | Show immunization rates; detect gaps in vaccine coverage. |
| **LE Status** | Categorize countries by life expectancy range (low, medium, high). |
| **LE Trend** | Observe historical life expectancy trends; detect improvements or declines. |
| **LE vs HS** | Compare life expectancy with health spending; is more spending yielding results? |
| **Life\_Expect\_map** | Geo-map of life expectancy; easily spot regional differences. |
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**4. Key Insights**

* **Economic Health Correlation**: Countries with higher **GDP per capita** and **healthcare spending** tend to have better **life expectancy**.
* **Immunization Impact**: Higher immunization rates correlate with **lower mortality rates** and **better life expectancy**.
* **Regional Disparities**: Developed regions have higher life expectancy and lower adult mortality, while developing nations show the reverse.
* **Spending Efficiency**: Some nations spend more but have only marginal gains in life expectancy, pointing to **inefficiencies** or other social determinants.
* **Trends Over Time**: Most countries show **improvement in life expectancy** over the past decades, although some stagnation is noted.

**5. Applications of This Dashboard**

* **Policy Making**: Helps governments and health organizations prioritize investments and interventions in healthcare.
* **Public Awareness**: Useful for NGOs, educators, and journalists to spread awareness about global health disparities.
* **Research and Analysis**: Provides a base for academic and policy research into **global health equity**.
* **Investment Planning**: Can guide international aid and **global health funding** based on need and outcome effectiveness.
* **Healthcare Planning**: National agencies can align **immunization and health spending programs** more effectively.

**6. Conclusion**

This **Global Health Dashboard** serves as a dynamic tool to **uncover hidden patterns** in health data, assess the **impact of socio-economic factors**, and **visualize regional health performance**. It brings data to life, empowering stakeholders to make **data-driven decisions** for improving global health outcomes.