

ANEMIA HEALTH ANALYSIS

INTRODUCTION

This dashboard provides an insightful analysis of **anemia** and its correlation with various health metrics, including hemoglobin levels and pixel compositions. By analyzing the data based on gender and anemia status, the dashboard offers valuable insights into the impact of **red**, **green**, and **blue** pixel percentages on hemoglobin levels and overall anemia prevalence. The dataset aims to help understand health patterns and inform decision-making regarding anemia-related health issues.

Dataset Columns:

- **Sex:** Gender of the individual (Male/Female).
- **% Red Pixel:** Percentage of red pixels.
- **% Green Pixel:** Percentage of green pixels.
- **% Blue Pixel:** Percentage of blue pixels.
- **Hemoglobin (HB):** Hemoglobin level in the blood.
- **Anemic:** Indicates whether the individual is anemic (Yes/No).

KPI CARD



0.54

Female Ratio



0.46

Male Ratio



10.89

Average Hb



50.00

Anemia Rate

RECOMMENDATION

Regular monitoring of **hemoglobin levels** and **pixel composition** can help identify early signs of **anemia**. Understanding the relationship between **gender**, **anemia status**, and **RGB pixel composition** can provide valuable insights for improving health interventions and targeted treatments. Additionally, using data to track **anemia prevalence** across different demographics can help prioritize healthcare efforts. It's also important to investigate how environmental or lifestyle factors may influence these metrics. Early detection and tailored treatments based on this analysis can improve overall health outcomes.

"Anemia is not just a blood disorder; it's a wake-up call for better health."



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Filter Panel

Sex

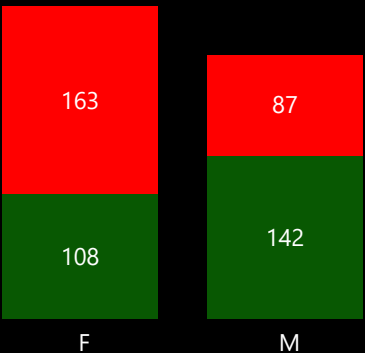
All

Anaemic

All

Anemia Status by Sex

Anaemic ● No ● Yes



"Higher anemia prevalence is observed in **females** (163 Yes) compared to **males** (87 Yes), suggesting a need for targeted health interventions for females."

KPI CARD



0.54

Female Ratio



0.46

Male Ratio



10.89

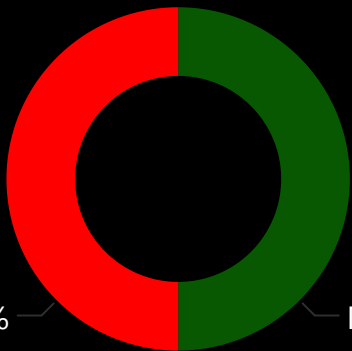
Average Hb



50.00

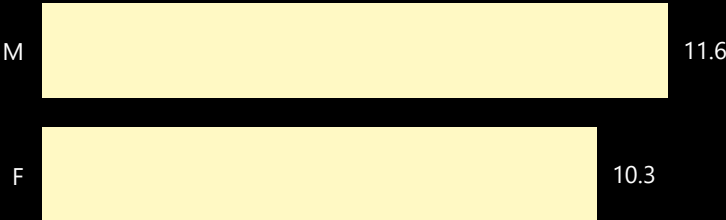
Anemia Rate

Anemia Count by Status



"The 50/50 split in anemia status highlights the need for a larger dataset to uncover deeper insights."

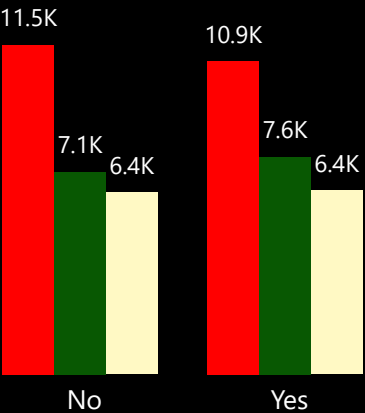
Average Hemoglobin by Sex



"The average hemoglobin level for **males** is **11.6**, higher than **females** at **10.3**, suggesting a potential gender difference in hemoglobin levels."

RGB Pixel Composition by Anemic Status

● Red Pixel ● Green pixel ● Blue pixel



"Non-anemic individuals have higher red pixels (**11.5k**) compared to anemic individuals (**10.9k**), while green and blue pixels are similar."

Health Metrics by Sex and Anemia Status

Sex	Sum of %Red Pixel	Sum of %Green pixel	Sum of %Blue pixel	Sum of Hb	Anaemic
F	4,913.36	3,104.67	2,750.95	1,383.37	No
F	7,201.64	4,906.37	4,173.71	1,404.94	Yes
M	6,598.02	3,980.94	3,609.23	1,965.00	No
M	3,743.77	2,682.88	2,251.33	693.24	Yes