HEALTH CENTERS

System working

ANALYSIS Report

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ABOUT DATASET

This dataset encompasses the performance and operational metrics of various health centers. It includes data about the health center's types, locations, call rounds, call plans, call responses, system status, and other relevant details. The raw data initially contained incomplete values, empty cells, and null values (approximately 40%). After thorough data cleaning using Excel and Power BI, the dataset consists of 400 rows of complete and reliable data.

TABLE OF CONTENT

- Name of Health Centers: The unique names ID.
- Type of Health Centers: Different type of Health centre Company name .
- District: The district where the health center is located.
- Calling Round: The round of calls made to the health centers.
- Month: The month in which the calls were made.
- Date of Call Planned: The planned date for making calls to health centers.
- Date of Call Actual: The actual date when the calls were made.
- Number of Calls Attempted: The total number of call attempts made.
- Call Response: The response received from the calls.
- Remarks: Remarks recorded.
- Is the System Working: Status indicating whether the system is working or Not
- And more

DATA CLEANING PROCESS

- Handled Missing Values: Addressed the incomplete values, empty cells, and null values present in the raw data using Excel and Power BI. Methods such as imputation, deletion, and interpolation were employed as appropriate.
- Data Validation: Ensured that the data is accurate, consistent, and free from errors.
- Data Formatting: Standardized the data formatting to maintain uniformity across the dataset.

PURPOSE

The primary purpose of this dataset is to analyze and monitor the efficiency and effectiveness of the health centers' systems. It aims to identify any issues or discrepancies in the system's operations and improve the overall performance of the health centers.
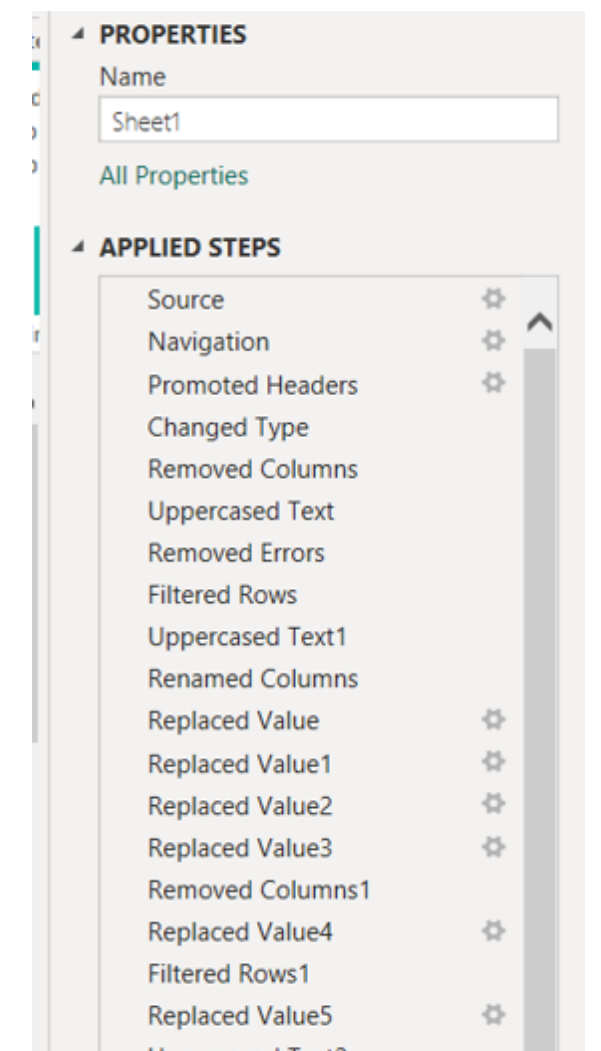
"30% of the data cleaning was done using **Microsoft Excel**, which involved removing empty cells, renaming columns, and eliminating excess unwanted rows."
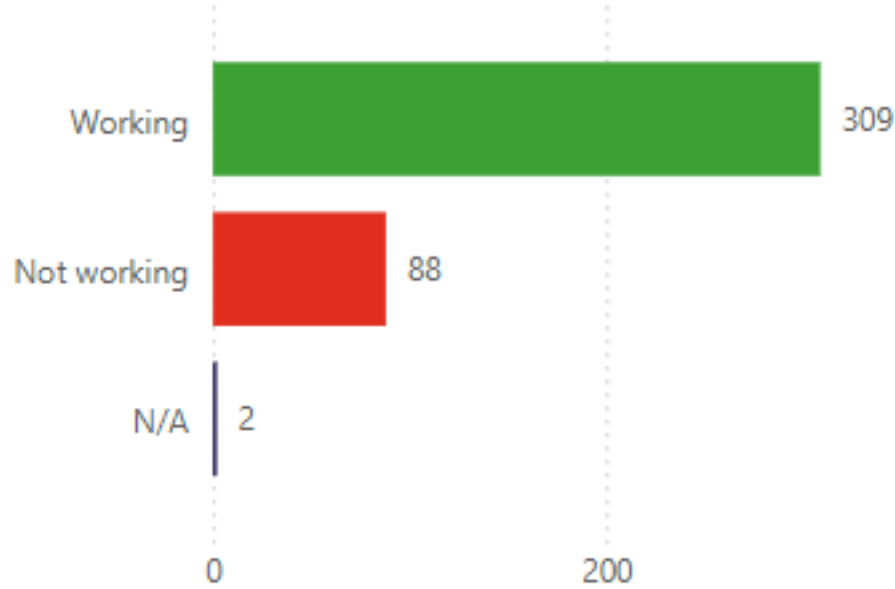
DATA CLEANING USING POWER BI
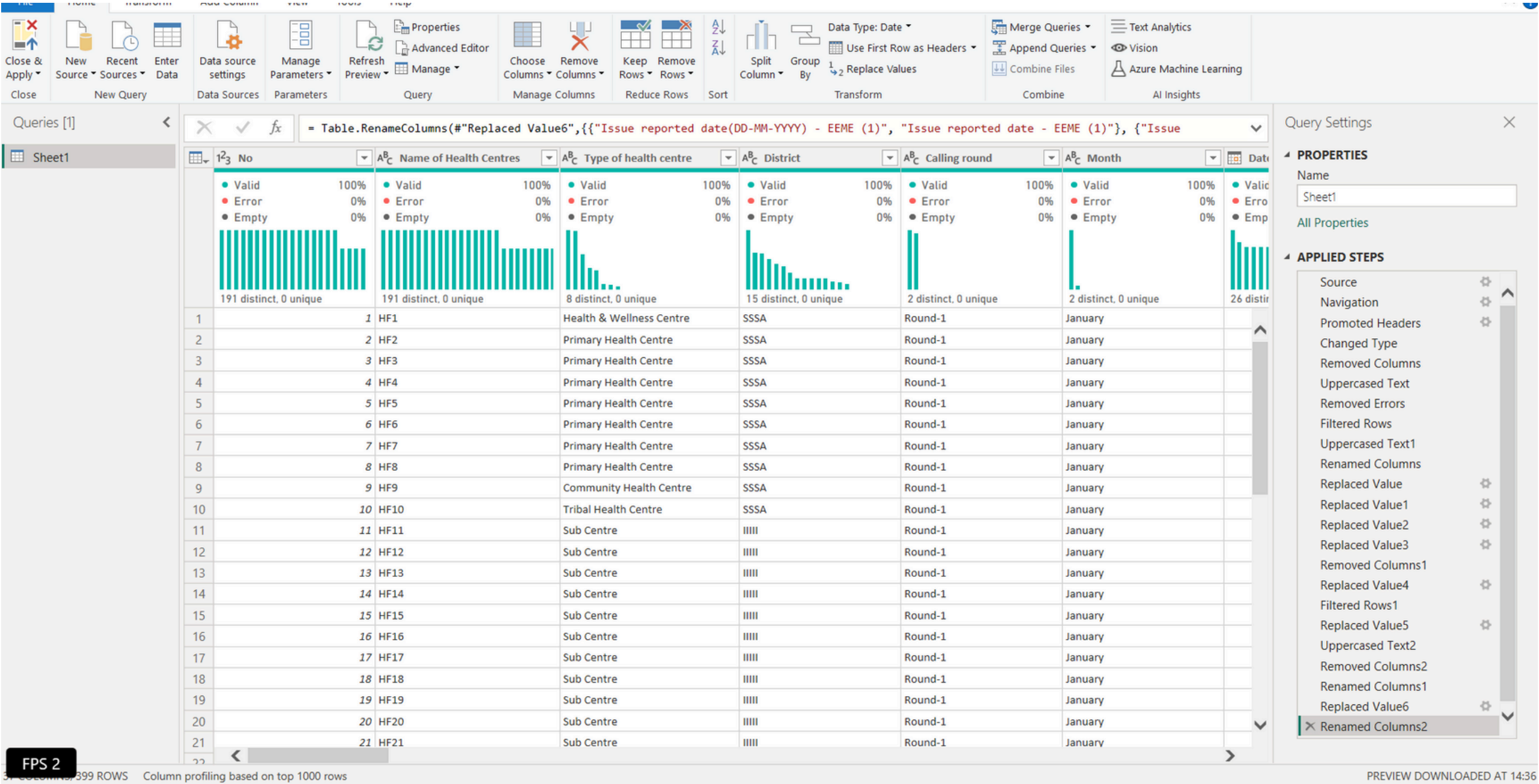
Dashboard

ANALYSIS DASHBOARD

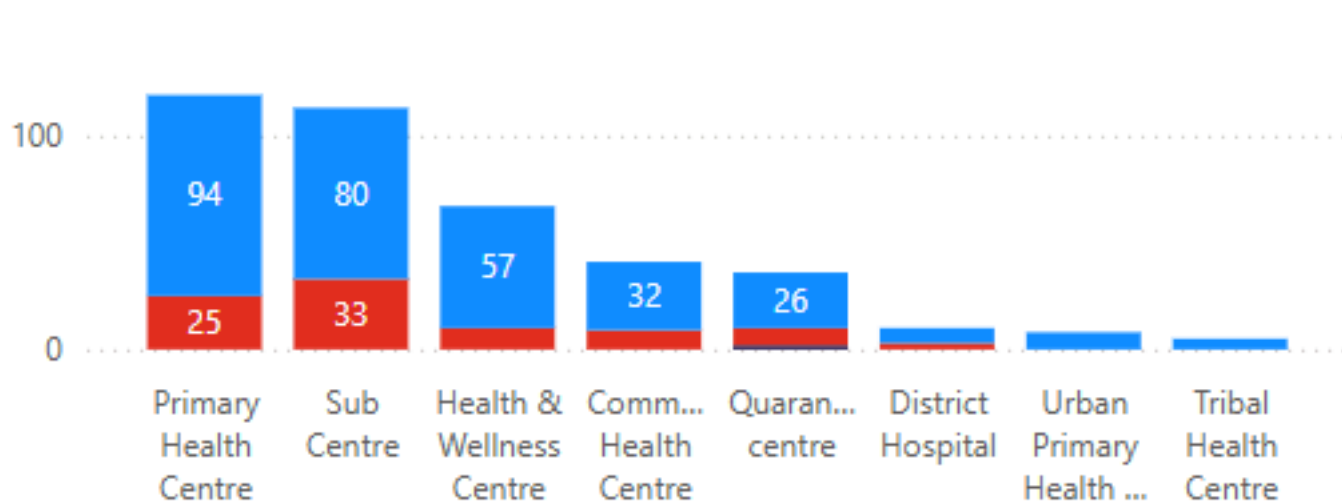### Health Centres With Working System

Category	Value
Working	309
Not working	88
N/A	2

Health Centres Name With System working progress

Is the system working? ● N/A ● Not working ● Working

Primary Health Centre	Sub Centre	Health & Wellness Centre	Comm... Health Centre	Quaran... centre	District Hospital	Urban Primary Health ...	Tribal Health Centre
94 / 25	80 / 33	57	32	26			

Data of Called

All

KPI To Achieve

309!

Goal: 370 (-16.49%)

Trendline by Issue Priority level

	Value
NOT APPLI...	238
HIGH	126
LOW	23
MEDIUM	12
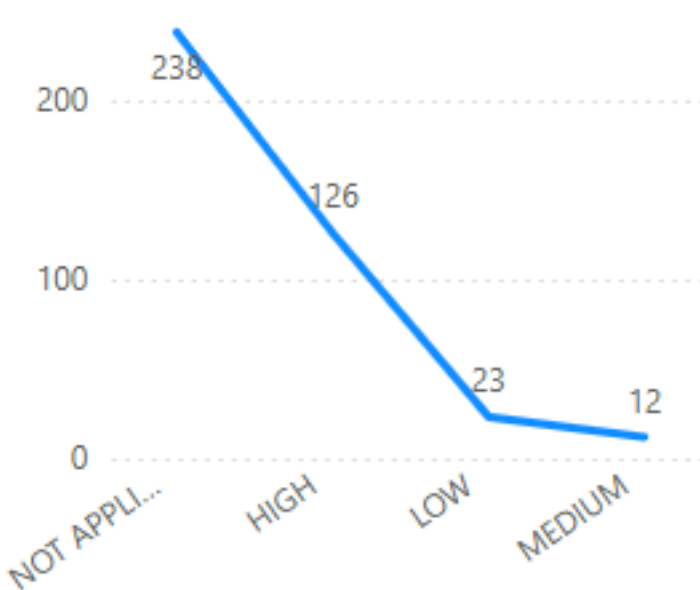
Health centres Issue Priority level count

Type of health centre	HIGH	LOW	MEDIUM	NOT APPLICABLE
Urban Primary Health Centre	196			624
Tribal Health Centre				92
Sub Centre	2287	24	204	2715
Quarantine centre	1180			3674
Primary Health Centre	4342	648	160	6463
Health & Wellness Centre	2047	721	648	5057
District Hospital	132	214		544
Community Health Centre	1805		216	2832
Total	**11989**	**1607**	**1228**	**22001**

High Attempted Calls By Listed Health Centers

No of calls attempted	Type of health centre	Count of No
3	Sub Centre	14
4	District Hospital	1
4	Health & Wellness Centre	2
4	Primary Health Centre	2
4	Quarantine centre	2
4	Sub Centre	3
5	Quarantine centre	1
6	Health & Wellness Centre	1
6	Quarantine centre	1
Total		**41**

DASHBOARD OVERVIEW

The dashboard reveals that 309 health centers are operational, 88 are non-operational, and 2 have no available data. Specific center details show varying working statuses, with Primary Health Centres having 94 operational centers and 25 non-operational ones, among others. The current KPI value is 309, with a goal of 370, indicating a -16.49% variance. Trendline analysis indicates 238 issues are not applicable, 126 are high priority, 23 are low priority, and 12 are medium priority. Overall, there are 11,989 high priority issues, 1,607 low priority issues, 1,228 medium priority issues, and 22,001 not applicable issues across various health centers. Lastly, high attempted calls are noted by centers such as Sub Centre (14), District Hospital (1), and others with fewer attempts

INSIGHTS

The report highlights that while the majority of health centers have operational systems, a significant number still face issues. The KPIs indicate a variance of -16.49% from the target, suggesting room for improvement. Additionally, the high number of high priority issues (11,989) and not applicable issues (22,001) across various health centers should be addressed promptly to ensure better service delivery. This analysis can help in prioritizing efforts to achieve the goal of having 370 working centers.

System Not working
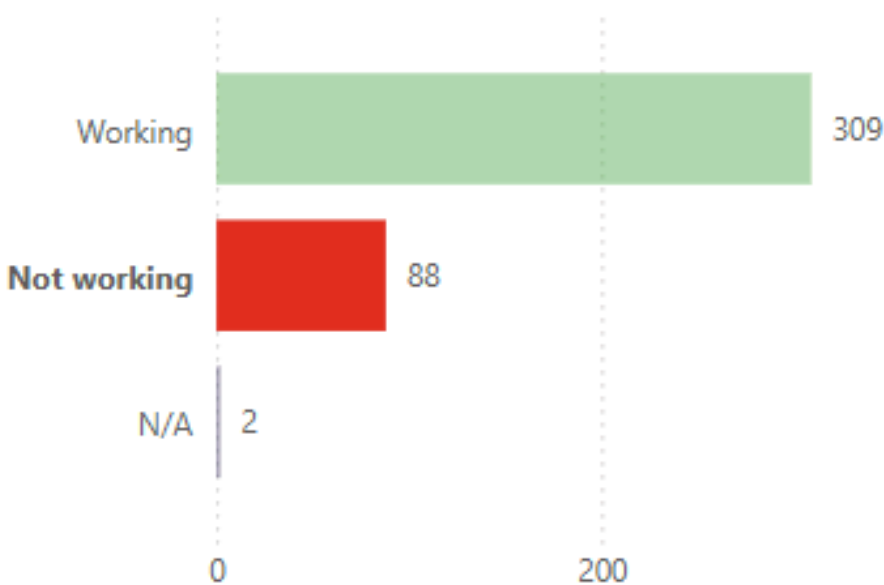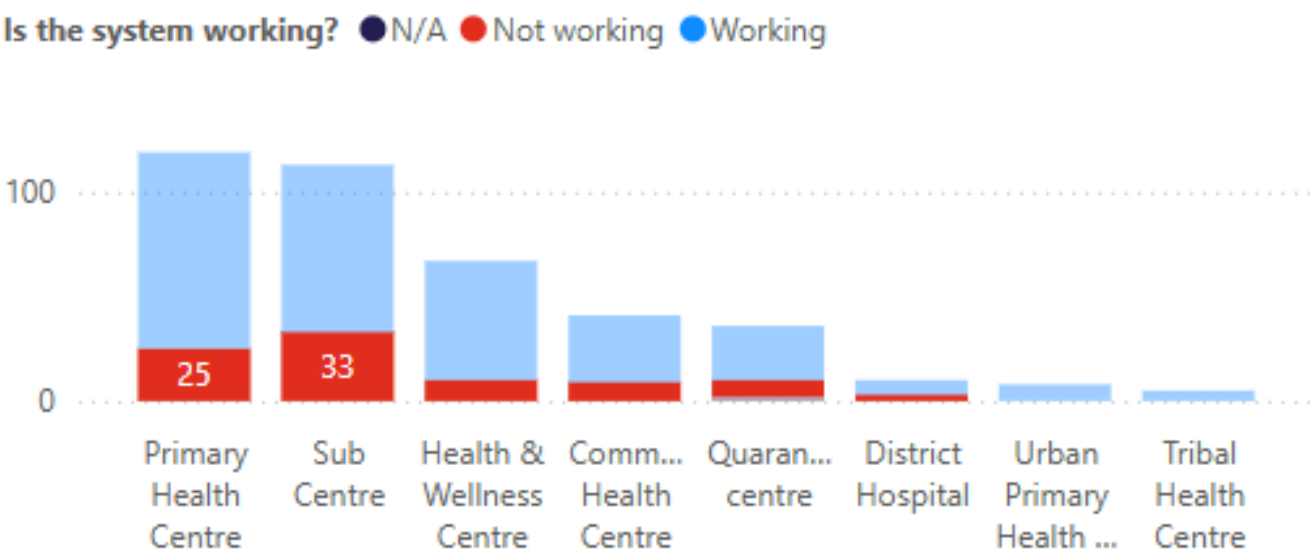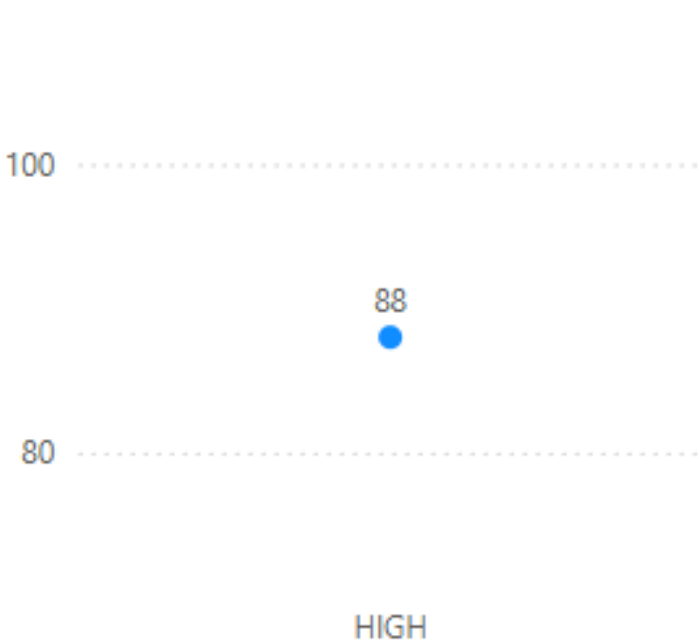
ANALYSIS DASHBOARD

Data of Called

All

Health Centres With Working System

Working	309
Not working	88
N/A	2

Health Centres Name With System working progress

Is the system working? ● N/A ● Not working ● Working

25 — Primary Health Centre
33 — Sub Centre

Categories: Primary Health Centre, Sub Centre, Health & Wellness Centre, Comm... Health Centre, Quaran... centre, District Hospital, Urban Primary Health ..., Tribal Health Centre

KPI To Achieve

88 !

Goal: 370 (-76.22%)

Trendline by Issue Priority level

88 (HIGH)

Health centres Issue Priority level count

Type of health centre	HIGH	Total
Sub Centre	1909	**1909**
Quarantine centre	1180	**1180**
Primary Health Centre	3233	**3233**
Health & Wellness Centre	1679	**1679**
District Hospital	132	**132**
Community Health Centre	933	**933**
Total	**9066**	**9066**

High Attempted Calls By Listed Health Centers

No of calls attempted	Type of health centre	Count of No
3	Health & Wellness Centre	1
3	Sub Centre	2
4	District Hospital	1
Total		**4**

OVERVIEW

The dashboard interface titled "Not System Working" reveals key insights into the operational status of various health centers and highlights specific areas that require attention. The data indicates that while the majority of systems are functioning correctly, there are notable areas of concern that need to be addressed to improve overall efficiency and service delivery.

High Priority Issues

- Health & Wellness Centres: 3233 high priority issues

Insight: Health & Wellness Centres show a significant number of high priority issues (3233), which need to be resolved urgently to ensure smooth functioning and efficient healthcare service delivery.
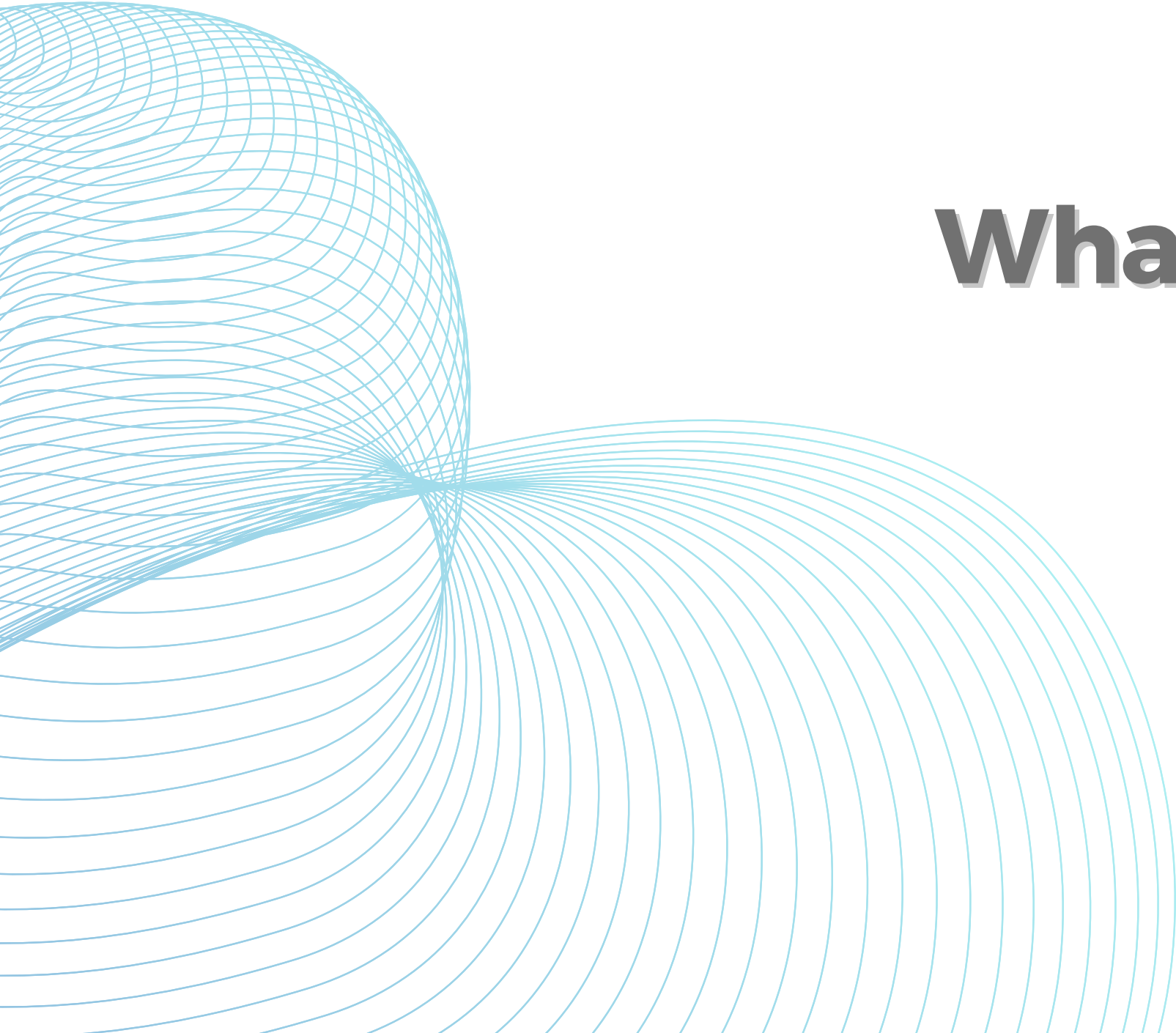
SOLUTIONS AND RECOMMENDATIONS

- Assessment: Conduct a comprehensive assessment of all health centers to identify common operational issues and areas for improvement.
- Training: Provide training to staff on best practices for maintaining and troubleshooting systems.
- Maintenance: Implement a preventive maintenance schedule to reduce the likelihood of system failures.
- Follow-Up: Schedule regular follow-up meetings to review progress and adjust strategies as needed.

CHALLENGES

The health centers system is likely to face challenges in the immediate future due to the significant number of non-operational centers and high-priority issues. However, addressing these issues through strategic initiatives and dedicated troubleshooting teams can lead to substantial improvements. Prioritizing the operational issues in Primary Health Centres and Sub Centres, which show the most significant non-working numbers, will be crucial. Additionally, focusing on resolving high-priority issues swiftly can help bridge the gap in achieving the KPI target of 370 working centers. With concerted efforts, the health centers system has the potential to enhance its efficiency and deliver better healthcare services.

100% Total Systems

10% Systems Not Working

90% Systems that Working
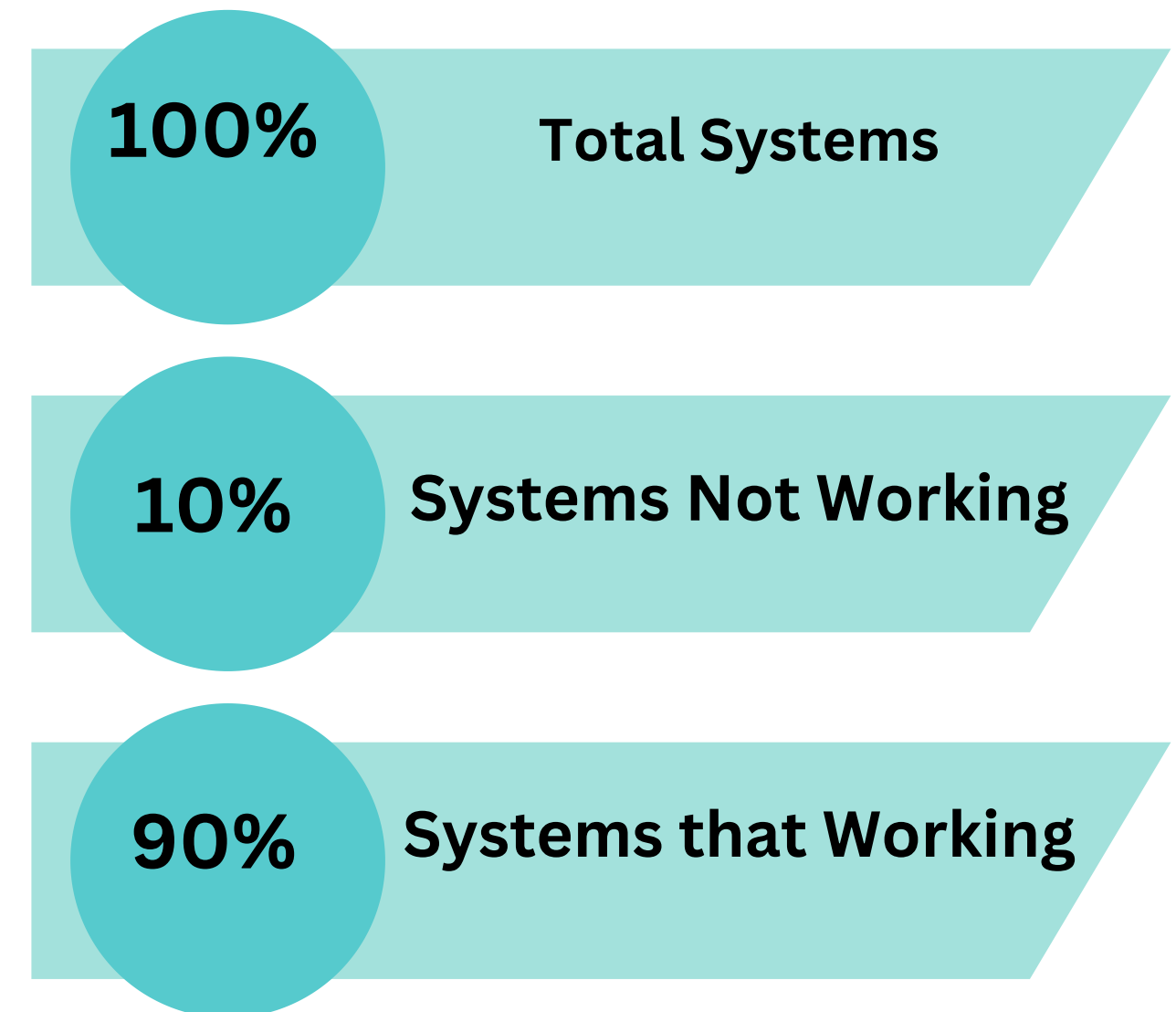
What to do Next

KEY RECOMMENDATIONS FOR HEALTH CENTERS SYSTEM IMPROVEMENT

To improve the health centers system in the future, several enhancements can be implemented. F**irstly, real-time monitoring and preventive maintenance** can be established to reduce system failures. **Automated alerts** should be set up for early detection of issues. **Dedicated troubleshooting** teams and proper resource allocation, including training programs, will ensure efficient issue resolution. **Addressing high priority issues** in a targeted manner and utilizing data analytics for decision making are crucial. Community engagement through outreach and educational programs will raise awareness about healthcare services. Investing in technological upgrades, such as telehealth services and electronic health records, will enhance efficiency and reliability. By focusing on these areas, the health centers system can achieve significant improvements in efficiency, service delivery, and overall healthcare outcomes

Thank You!