# ANALYSIS OF DISEASE TREND AMONG STUDENTS OF TERTIARY INSTITUTION A CASE STUDY OF KWARA STATE POLYTECHNIC ILORIN

ВΥ

# **HASSAN SELIM ABAYOMI**

MATRIC NO:ND/23/STA/FT/0041

SUBMITTED TO:
INSTITUTE OF APPLIED SCIENCE
DEPARTMENT OF STATISTICS

IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF NATIONAL DIPLOMA IN STATISTICS KWARA STATE POLYTECHNICS, ILORIN

# CERTIFICATION

This is to certiify that the project work was undertaken by ,  $\bf MATRIC\ NO:\ ND/23/STA/FT/0041$ 

MRS ABDULRAHMON (Project Supervisor)	DATE
MISS R.A AJIBOYE (Project Co-ordinator)	DATE
MRS ELEPO (Head of Department)	DATE
 EXTERNAL EXAMINER	 DATE

# **DEDICATION**

This research work is dedicated to almighty Allah and my parent, Mr, and Mrs Hassan, also all my brothers, sister for their contribution and supporting towards the successful of the course.

#### **ACKNOWLEDGEMENT**

My profound gratitude goes to Almighty Allah for his faithfulness and his tender mercies that endure forever, also all glory and honour for always being there for me throughout this period of my studies.

My special thanks goes to my honourable supervisor, MRS ABDULRAHMON for her encouragement and motherly support throughtout my stay in school and towards the completion of this project work; you are my hero and an icon to emulate, May Almighty Allah continue to strengthen you in all aspects in life

Also, I am lightly indebted to my parent, MR and MRS HASSAN for their support towards my career, I pray you will eat the fruit of your labor.

My gratitude also goes to Head of Department of Statistics MRS ELEPO. may almighty Allah be with her

My appreciation goes to all my lecturers in the department of Statistics for the knowledge and character they have inculcated in the throughout my stay in the Polytechnic

My special thanks goes to my uncles and sisters; Mrs Abdulrahmon, morufat and Mrs kafayat may Almighty Allah bless you.

And lastly, God bless you richly and also I want to thank the graduating students of Statistic Department Kwara State Polytechnic Ilorin, Nigeria.

#### Abstract

This study examines the trends and prevalence of diseases among students of Kwara State Polytechnic with the goal of identifying common illnesses and understanding patterns associated with health issues in an academic environment. Data were collected through structured questionnaires, and analyzed using descriptive statistical, graphical representations, and inferential statistics including Chi-square tests.

Finding revealed that malaria (40%) and typhoid (27%) are the most prevalent illnesses among students, while cold/catarrh (20%) and stress-related illnesses(13%) are comparatively underreported, potentially due to lack of awareness. Analysis of illness frequency during examination periods showed that nearly half of the students frequently experience health challenges, highligting a critical connection between academic stress and health. Gender-based analysis showed a higher number of illness reports among female students; however, the difference was not statistically significant ( $X^2 = 1.960$ , p = 0.162). In contrast, the difference in frequency of illness types was statistically significant ( $X^2 = 1.920$ ,  $Y^2 = 1.920$ ,  $Y^2$ 

The study concludes that health issues among students are influenced by environmental and academic factors, and recommends targeted health interventions, awareness campaign, and improved medical services on campus to enhance students well-being and academic performance.

# TITTLE PAGE

# CERTIFICATION DEDICATION

# **ACKNOWLEDGEMENT**

# ABSTRACT

# TABLE OF CONTENT

# **Chapter One: Introduction**

- 1.1 Background To The Study
- 1.2 Statement Of The Problem
- 1.3 Aims and Objective Of The Study
- 1.4 Research Questions
- 1.5 Significance Of The Study
- 1.6 Scope Of The Study
- 1.7 Limitation Of the Study
- 1.8 Definition Of Term

# **Chapter Two:**Literature Review

- 2.1 Introduction
- 2.2 Review of the Related Literature
- 2.2.1 Common disease among students
- 2.2.2 Seasonal Variations in disease Occurence
- 2.3 Gaps in Literature

# 2.4 Summary of Literature

# **Chapter Three**: Research Methodology

- 3.1 Introdution
- 3.2 Research Design
- 3.3 Population Of Study
- 3.4 Sample Size And Sampling Technique
- 3.5 Methods Of Data Collection
- 3.6 Method Of Data Analysis
- 3.7 Ethical Consideration

# **Chapter Four**

Data Presentation

Analysis

Interpretation

# **Chapter Five:** Summary, Consideration And Recommention

- 5.1 Summary Of Finding
- 5.2 Conclusion
- 3.3 Recommendation
- 3.4 Reference
- 5.5 Appendix

#### CHAPTER ONE

#### 1.1 Background Of Study

Health is a fundamental human right and a crucial component of sustainable development. Among students in tertiary institutions, health plays a vital role in academic performance, sociol integration, and overall well-being. However, tertiary institution, especially in developing countries like Nigeria, are often challenged by a variety of health related issues. These issues range from infectious diseases to lifestyle related illnesses, mental health problems, and environmental health risks.

Kwara State Polytechnic, Ilorin, like many higher institutions in Nigeria, accomodates thousands of students from diverse socio-economic backgrounds. These students often live in close proximity in hostels and shared accomodations, making them particularly vulnerable to the spread of infectious diseases. Factors such as poor sanitation, inadequate healthcare services, stress, poor nutrition, and lack of awareness about healthy practices further exacerbate the risk of disease spread.

Over the years, there have been observable trends in disease patterns among students, often influenced by changes in lifestyle, climate, infrastructural development, and public health interventions. Disease such as malaria, typhoid fever, cold cattarh, stressed related illnes and mental health issues such as depression and anxiety have shown varying trends in prevalence among students populations.

Analyzing these disease trends is critical for identifying high-risk periods, evaluating the effectiveness of existing health interventions, and planning for better health dervices. This study is therefore focused on analyzing the trend of diseases among students of Kwara State Polytechnic, Ilorin, in order to inform policies and pratices that can enhance student health and academic productivity.

#### 1.2 Statement of the Problem

The health status of students in tertiary institutions is increaseingly becoming a major concern, particularly in developing nations like Nigeria. Despite various efforts by health authorities and school management to curb the prevalence of diseases, there continues to be a high incidence

of preventable diseases among students. This is evident in frequent visits to health centers, increasing rates of absenteeism, and even cases of hospitalization.

At Kwara State polytechnic, students are often exposed to a combination of factors such as overcrowding, insuffient acess to clean water, poor waste disposal systems, and limited access to quality healthacre. These conditions create a fertile ground for the spread of infectious and non-communicable diseases alike.

However, there appears to be a lack of empirical data and trend analysis on the pattern and types of diseases affecting students over time. This lack of data impedes evidence-based health interventions and planning. without a clear understanding of the disease trends, it is difficult for policy makers, school adminitrators, and healthcare providers to design and implement effective public health strategies.

# 1.3 Aims and Objective of study

- 1. To Identify the most common disease
- 2. To determine how often student experience illness doing exam
- 3. To determine the association between gender and diseases types

#### 1.4 Research Questions

What types of illness do you frequently experience?

How often do you visit the clinic on hospital?

Have you ever missed lectures or examination due to illness?

# 1.5 Significant Of The Study

This study is significant for several reasons:

For Policy Makers: It provides empirical data that can guide policy formulation regarding students health in tertiary institutions.

For School Management: It offers insights into the health needs of students and how best to allocate resources for maximum impacts.

For Health Practitioners: It aids in understanding common health issues among students and

adjusting medical services accordingly.

For students: It helps raise awareness about health risks and promotes preventive health

behaviors.

For Researchers: It provides a basis for further research in related fields such as epidemiology,

public health, and school health administration.

1.6 Scope of the Study

The study focuses on disease trends among students of Kwara State Polytechnic, Ilorin. It

considers disease data from evaluates both communicable and non-communicable diseases.

The study focuses on students from the Kwara State Polytechnic, both ND and HND levels.

1.7 Limitation of the Study

Some limitation thta may be encountered Inludes:

Incomplete or inacessible health records.

Response bias in survey data. Limitation funding and time for data collection. Variability in

disease reporting methods

1.8 Definition of Terms

Disease Trends: The pattern or movement of disease occurrence over a period.

**Tertiary Institution:** An institution that offers higher education beyond secondary school level.

Epidemiology: The study of the distribution and determinants of health-related states in

specific populations.

**Prevalence:** The total numbers of cases of a disease in a population at a given time.

10

Malaria: Caused by mosquito bites, prevalent in tropical regions.

**Typhoid Fever:**Linked to poor sanitation and unsafe water.

Cold/Catarrh: To force out suddenly.

Stressed related illness: The illness that can be derive from stress like (head, body pain etc).

**Health:** Is a broad topic that encompasses physical, mental, and emotional well-being.

Anopheles: genus of mosquitoes that are the primary vectors of malaria.

**Plasmodium:** A genus of protozoan parasites that cause malaria in humans and other animals.

**Protozoa:** A group of single-celled microoraganism that are eukaryotic, meaning their cells have a nucleus.

#### **CHAPTER TWO: LITERATURE REVIEW**

#### 2.1 Introduction

This chapter reviews relevants literature on disease trends in tertiary institutions, focusing on the types of diseases, contributing factors, seasonal variations, and preventive strategies. it draws from national and international studies and highlights gaps this research seeks fill. Health in the context of a learning environment is not just the absence of illness but the complete wellbeing of students physically, mentally, and socially. In tertiary institutions, students often face a range of health challenges due to stress, poor lifestyles choices, environmental factors, and exposure to communicable diseases. As noted by the World Health Organisation (WHO), institutions must integrate health into their educational systems to ensure the development of students who are not just academically sound but physically and mentally fit. The study is guided by the Health Belief Model(HBM), emphasizes the role of personal beliefs in the health behavior. The model suggests that students are likely to take health-related actions if they believe they are susceptible to diseases, the diseases have serious consequences, and actions can reduce the susceptibility or severity. Research on students' knowledge and attitude towards specific diseases in Nigerian tertiary institutions highlights the need for awareness and education. A study on kwara State college of Health Technology emphasizes the importance of descriptive statistical methods in analyzing student health data. Research on malaria and typhoid highlight the needs for improved diagnosed methods and enhanced healthcare provider education. Studies on medicinal plants for treating malaria and typhoid diseases show promising results, establishing their traditional applications and capability to control or eliminate these diseases. Development of medical diagnosis expert systems for malaria and related diseases can aids. A significant public health concern in Nigeria, with high prevalence rates. Malaria is a potential life threatening disease caused by infection with plasmodium protozoa transmitted by an infective female Anoples mosquito, Another prevalent disease in Nigeria, often co-occuring with malaria. Studies have documented the presence of malaria and typhoid fever in sub-Saharan Africa, highlighting the need for effective surveillance and intervention strategies. Malaria and typhoid fever co-infection is a concern, although some research suggests that the perceived widespread co-infection maybe misleading due to limitations in diagnostic methods

#### 2.2 Review of related literature

#### 2.2.1 Common Diseases among Students

Studies by Adeola (2018) and yusuf (2019) found that malaria, typhoid fever, are the most reported ailments in Nigerian tertiary institutions. Inadequatre sanitation and exposure to unclean water sources have been identified as major contributors to these illnesses. Previous studies have consistently identified several diseases commonly found among studentts in higher institutions. These includes:

Malaria: Caused by mosquito bites, prevalent in tropical regions.

Typhoid Fever:Linked to poor sanitation and unsafe water.

Cold/Catarrh: To force out suddenly

Stressed related illness: The illness that can be derive from stress like (head etc)

#### 2.2.2 Seasonal Variations in Disease Occurence

Research has shown that diseases like malaria and respiratory infections tends to peak during the rainy and harmattan seasons respectively. For instance, Akinwale (2020) noted that malaria cases are more prevalent from june to september in the southwestern part of Nigeria. Unhealthy lifestyles such as poor dieting, smoking, drug abuse, and unprotected sex contribute significantly disease trends. Overcrowded hostels, poor waste management, and limited water supply exacerbate the situation. The level of health awareness among students plays a major role in disease prevention. however, studies reveal that many students lack basic knowledge about disease transmission and do not engage in regular medical checkups. The accessibility and quality of health services on campus are crucial in disease management. studies often complain about long wait times, lack of drugs, and poor attitudes of medical staff. Multiple studies have shown a strong correlation between living conditions and health outcomes in tertairy institutions. For example, in a study conducted at the unversity of ibadan, 63% of students reported having fallen sick twice in a semester, with malaria and typhoid being the most common. Several studies have explored health trends in tertiary institutions across Nigeria:

Akinyemu (2018)studies disease prevalence in the unversity of lagos and found malaria and typhoid to be the most common. Noting a significant increase in depression and anxienty linked to academic stress. Balogun (2020) researched disease trends in polytechnic and discovered a rise in malaria and typhoid due to poor environmental conditions.

However, there is limited research focusing specifically on Kwara sate Polytechnic, which this study seeks to address.

# 2.3 Gaps in the Literature

Lack of recent studies focusing on polytechnic rather than unversities. Insufficent use of trend analysis over time.

Limited focus on institutional-specific health services and their effectiveness.

# 2.4 Summary of literature review

The reviewed liraterature underscores the need for a comprehensive, data-driven approach to understand and combat disease trends in tertiary institutuins. However, limited research has been done specifically on Kwara state Polytechnic, which this study aims to address

#### **CHAPTER THREE**

#### RESEARCH METHOLOGY

#### 3.1 Introduction

This chapter outlines the research design, population, sampling techniques, data collection methods and data analyze disease trends among students of kwara State Polytechnic. The study employs a **descriptive survey design**. This design is suitable for collecting information from a large population and identifying patterns and trends in disease occurence among students.

#### 3.2 Research Design

- Cross sectional study: A survey will be conducted to collect data on disease prevalence and trends among students
- Quantitative approach: Statistical analysis will be used to identify patterns and correlations.

# 3.3 Population Of The Study

The target population consists of all students of kwara state polytechnic, llorin, during the 2024/2025 academic session. As of the last academic report, the institution has an estimated population of over 15,000 students

3.4 Sample and Sampling Techniques

A sample size of 100 students was selected using stratifies random sampling to ensure

representation across faculties, departments, gender, and academis level. and others

Research instrument

The primary instructed used for data collection is a structured questionnaire tittle Analysis of

disease trend among students of tertiary institution. It consists of both open and closed-ended

questions, divided into four section:

Section A: Demographic Information

Section B: Health History

Section C: Disease trends and pattern

Section D: Health awareness and preventive measures

3.5 Methods Of data collection

The questionnaire were distributed physically and digitally over a one weeks periods. Students

were briefed on the objective of the study and assured of confidentially.

3.6 Method of data analysis

Data collected were coded and analyzed using Statiscal Package For the Social (SPSS).

Descriptive statistics such as Pie chart, Bar chart were used. Inferential statistics, including Chi-

sqaure tests, were employed to test relationship between variable.

3.7 Ethical Considerations

Informed consent was obtained from all participants.

Confidentially of responses was guaranteed.

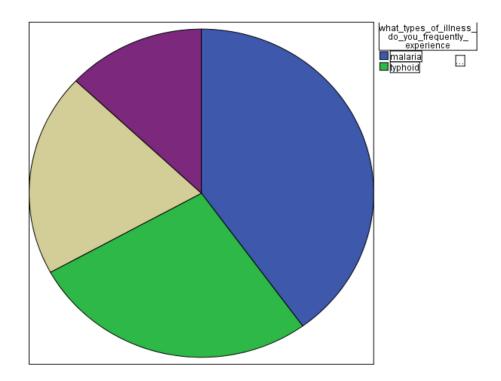
Participation was voluntary, and students could withdrawn at any point.

16

# **CHAPTER FOUR**

# 4.1 Introduction

This chapter presents the analysis and interpretation of data collected on the types and trends of illnesses experienced by students at Kwara State Polytechnic. The analysis focuses on disease prevalence, frequency of illness during examinations, and the relationship between gender and illness experience using statistical tools including frequency tables, pie charts, bar charts, and Chi-square tests.



#### **4.2** Prevalence of Disease

The pie chart in illustrates the types of illnesses most frequently experienced by students :

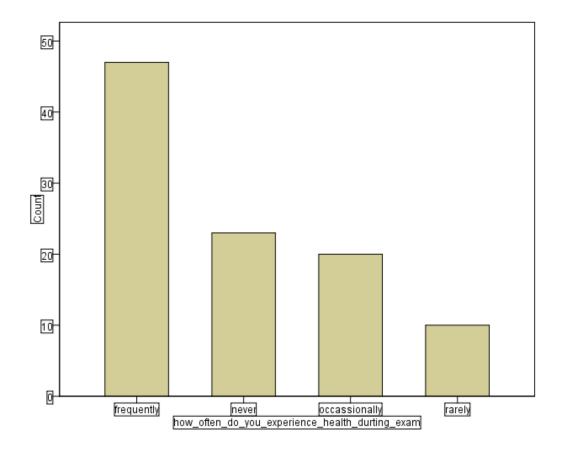
Malaria: 40% of students reported frequent malaria cases

**Typhoid:** 27% indicated suffering from typhoid.

**Cold/Catarrh:** 20% reported experiencing cold-related illnesses.

**Stressed related illnesses:** 13% experienced illnessed related to stress.

This suggests that malaria is the most prevalent disease, followed by typhoid. stresses related illnesses are the least reported, which may be underrepresented due to underreporting or lack of awareness.



# 4.3 Frequency of illness during Examination

The bar chart. Shows the frequency with which students experience health issues during examination:

Frequently: about 48 students

Never: Around 22 students

Occasionally: About 20 students

Rarely: 10 students

This reveals that a significant portion of students (nearly half) experience health issues frequently during exams, which could imapets their academic performance. Only a small number never experience such issues.

gender

	Observed N	Expected N	Residual
male	43	50.0	-7.0
female	57	50.0	7.0
Total	100		

what\_types\_of\_illness\_do\_you\_frequently\_experience

	Observed N	Expected N	Residual
malaria	40	25.0	15.0
typhoid	27	25.0	2.0
cold catarrh	20	25.0	-5.0
stressed related illness	13	25.0	-12.0
Total	100		

**Test Statistics** 

	gender	what_types_ of_illness_ do_you_ frequently_ experience
Chi-Square	1.960a	15.920 <sup>b</sup>
df	1	3
Asymp. Sig.	.162	.001

a. 0 cells (.0%) have expected frequencies less than 5. The minimum expected cell frequency is 50.0.

b. 0 cells (.0%) have expected frequencies less than 5. The minimum expected cell frequency is 25.0.

# 4.4 Gender distribution of illness Reports

From the Chi-square table for gender:

Observed (male):43

Expected: 50

Residual: -7

Observed (Female):57

Expected: 50

Residual:+7

This shows that more females (57%) reported illnesses than males (43%). However, the Chisquare test result ( $x^2$ = 1.960, p=0.162) indicates that this difference is not statistically significant, meaning that gender is not a strong factor in illness frequency among students.

# 4.5 Chi-sqaure analysis of illness types

For the types of illnesses experienced:

The Chi-sqaure statistic=15.920

Degree of freedom(df)=3

Significance (Asymp. Sig.)= 0.001

Since p<0.05, the results is statistically significant, implying that the difference in reported illness types is not due to chance. Thus, malaria and typhoid occur significantly more frequently than other types.

#### 4.6 Summary of findings

Malaria is the most common illness, followed by typhoid.

Stressed related illnesses are underreported but still present.

A large proportion of students suffer health issues during exams, which is a concern for students welfare.

No significant gender difference in illness frequency.

The types of illnesses reported differ significantly, with malaria dominating

#### **CHAPTER FIVE**

# SUMMARY, CONCLUSION AND RECOMMENDATIONS

#### **5.1 Summary of Findings**

This study investigated the trends, prevalence, and contributing factors of disease among students of Kwra State Polytechnic, Ilorin. Using descriptive survey methods, questionnaire samples of students, and relevant data were analyzed to gain insight into disease patterns and health challenges within the students community.

The key findings of the study include:

• Prevalent Disease:

Malaria, typhoid fever were identifieds as the commonly reported diseases among students,

Seasonal Trends:

Disease incidence was found to increase during specific seasons, especially during the rainy season (malaria) and harmattan (typhoid), indicating a strong link between environmental conditions and disease occurence.

Contributiing Factors:

Factors contributing to the spread of diseases among students include poor hygiene pratices, overcowded hostels, limited access to clean water, and unhealthy lifestyles such as smoking, excessive alcohol consumption, and unprotected sexual activity.

Health Awareness:

While a moderate level of health awareness was observed among students, a significant number still lacked adequate knowledge on disease prevention methods and rarely participated in preventive healthcare activities such as regular checkups or health seminars.

Healthcare Services:

The majority of students expressed dissatisfactions with the health facilities availables on campus. Complaints ranged from inadequate medical personnel and poor attitudes of staff to long wait times and lack of essential mediactions

#### 5.2 Conclusion

The study concludes that disease prevalence among students of Kwara State Polytechnic remains a significant public health concern, driven largely by environmental, behavioral, and institutional factors. Malaria, typhoid, and respiratory infections are especially dominants, influenced by seasonal changes and poor living conditions.

Despite effort to promote health awareness, amny students remain vulnerable due to insufficient knowledge, lack of preventive habits, and limited access to quality healthacre services the current healthacre infrastructure on campus is ainadequate to meet the needs of the growing students population.

To ensure a healthy student population, strategic interventiuond focusing on prevention, education, infrastructure, and policy reforms must be implemented.

#### 5.3 Recommendation

Based on the finding, the following recommendations are made:

- **1.** Health Education Campaigns: The intistution should organize regular and intensive health awareness campaign on disease prevention, personal hygiene, and healthy lifestyles through seminars, posters, and online platforms.
- **2.** Improvement Of health care facilities: The school clinic should be upgraded with more medical personnel, essential drugs, and modernn diagnostic tools. Extended working hours should also be considered to cater to emergencies and reduce waiting time.
- **3.** Periodic Health Screening: Compulsory annual health screenings should be intrduced for all students to facilities early detection and treatment of diseases.
- **4.** Environmenatl Sanitation Programs: The intistution must imrpove sanitation in hostel and lecuture halls by providing clean water, proper waste disposal systems, and routine fumigation, especially during peak disease seasons.
- **5.** Policy Implementation and Monitoring: The school's health unit should implement and monitor health-related policies, including mandatory health talks during orientation programs and ongoing health assessments throughout the academic session.
- **6.** Students Engagement: Students should be encouraged to from peer-led health clubs to promote posttive health behaviors and dissemiante accurate health infromation

#### **5.4 Contribution to Knowledge**

This research contributes to public health knowledge by providing a focused analysis of disease patterns among students in a nigeria tertiary institution. It offers a data-driven basis for institutional reforms, policymaking, and further studies on disease control in educational settings

# **5.5 Suggestions for Further Studies**

Future research could explore:

- **1.** A comparative study between disease trends in public and private tertiary institutions.
- **2.** The impact of mental health on physical disease prevalence among students.
- 3. Longitudinal studies to monitor the effectiveness of health interventions over time.

#### REFERENCE

**D.O BEKI and Dr Aliyu Usman** -Introduction to Biostatistics **Y.f Salawu and K.N Yusuf**- An Introduction to Applied General Statisticss

Adeola, M. O. (2018). **Health challenges in Nigerian tertiary institutions: A study of disease prevalence among students.** Journal of Public Health and Epidemiology,10(4), 56-64

[https://doi.org/10.5897/JPHE2018.1021](https://doi.org/10.5897/jphe2018.1021)

Akinwale, F. A. (2020). **Seasonal variation in malaria transmission in Southwestern Nigeria: Implications for control programs.** African Journal of Environmental Health, 8(2), 121-129

Centers for Disease Control and Prevention (CDC). (2022) **Epidemiology overview.** [https://www.cdc.gov/epidemiology](https://www.cdc.gov/epidemiology)

Federal Ministry of Health (2021). **Nigeria health profile an disease burden report.** Abuja: Government Press.

Green, E.C. & Murphy, E. (2014). **Health belief model.** In K. Glanz, B.K. Rimer, & K. Viswanath (Eds.), **Health behavior and health eduaction: Theory, research, and pratice** (4th ed., pp. 46-65). Jossey-Bass.

Oladele, J. A., & Yusuf, K.A. (2019). Patterns and causes of frequent illness among Nigerian unversity students. Nigerian Journal of Community Medicine, 17(1), 32-45

World Health Oragnisation (WHO).(2023). **Adolescent health and education.**[https://www.who.int/new-room/fact-sheets/detail/adolescent-health]
(https://www.who.int/new-room/fact-sheets/detail/adolescent-health)

questionnaire on Analysis disease trends amongs students of tertiary institutions

(A case study of kwara polytechnic ilorin)

All responses will be treated with strict coonfidentially and used solely for academic purpose.

#### Section A : Demographic Information

**1.** Age: []16-20 []21-25 []26-30 []31 and above

2. Gender: []Male []Female [] Prefer not to say

3. Level of Study: [] ND 1 [] ND II [] HND 1 [] HND II

**4.** Type of Residence []On-campus []Off-campus

#### **SECTION B: Health History**

- 5. Have you been diagnosed with any health condition in the past 12 months ? []Yes []No
- 6. How often do you visit the clinic or hospital? [] Weekly [] Monthly []Occassionally [] Rarely []Never
- 7. What types of illness do you frequently experience? [] Malaria []Typhoid []Cold/Catarrh
- 8. Do you have any chronic illness? []Yes []No

**SECTION C:Disease Trends and Pattern** 

- 9. Do you notice an disease in the frequently of illness during a specific semster or time of year? []Yes []No
- 10. How often do you experience health issues during exam periods? [] Frequently [] Occasionally []Rarely []Never
- 11. Do you believe academic stress contributes to your health issues? []Strongly agree [] Agree []Neutral []Disagree []Strongly disagree
- 12. Have you ever missed lectures or examination due to illness? [] Yes []No
- 13. What do you think are the most common causes of illness among syudents? []Poor hygiene []Poor diet []Overcrowded accomodation []Poor sanitation []Academic stress [] Others

SECTION D: Health Awareness and Preventive Measures

- 14. are you aware of the medical facilities available on campus?[]Yes []No
- 15. Have you ever utilized the school's medical center?[]Yes []No
- 16. Do you engage in regular medical check-ups? []Yes []No
- 17. Do you