

**Factors Associated with the Uptake of Childhood Immunisation by Mothers of under Five
in Ajeromi Ifelodun Local Government Area Lagos-State**

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Certification

This is to certify that Williams Afolabi Miller with matriculation number LCU/UG/001592 carried out this research title "Factors Associated with The Uptake of Childhood Immunisation by Mothers of Under Five in Ajeromi Ifelodun Local Government Area Lagos-State" in the Department of Public Health, Faculty of Public Health, Lead City University, Ibadan Oyo state, for the award of in Doctor of Philosophy Degree (PhD) and that this has not been previously.

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Dedication

This thesis is dedicated to God Almighty, who gave me life and sound health all through the journey of this course of study.

Lead City University Ibadan DO NOT COPY

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ABSTRACT

Immunisation is the process through which an individual acquires immunity or resistance to an infectious disease, primarily by the injection of a vaccine. Vaccine-preventable diseases (VPDs) remain the predominant contributors to childhood mortality, resulting in around 3 million fatalities annually, predominantly in Africa and Asia. Worldwide, immunisation averts approximately 2-3 million fatalities among children under five years of age. This study assessed the factors associated with the uptake of childhood immunisation by mothers of under-five children in Ajeromi-Ifelodun Local Government Area, Lagos State.

A cross-sectional descriptive survey design was used for this study while Fishers' calculation sampling technique was used to determine the sample size of 801 respondents that participated in the study. The instrument used in data collection was self-structure questionnaire which was administered to respondents, out of which 801 was completely filled, returned and analyzed, using Statistical Package for Social Sciences (SPSS) version 28.0 Results of data analyzed was presented in frequency count tables, percentages and charts.

Findings of the study revealed that the largest proportion of respondents was aged 25-29 years, this falls within the reproductive age of women in sub-Saharan Africa of 15-45years and corresponds with the findings that the mean age of mothers at first birth in south-west, Nigeria was 24.4. Most of the babies (39.5%) were born in primary health care centres with only 1.1% at home. The respondents were mostly married. Also, most of their partners had good educational levels, with more than 50% having tertiary education.

Percentage of completion is high for penta1, opv1 and pcv1 but ipv1 and rota1 had a lower completion. Which could be due to vaccine stock out. The next set of vaccines is taken at 10 weeks, vaccines like penta2, pcv2, and opv2 were mostly reported to be largely completed, while rota2 was not, this could be due to reasons like vaccine stock out, mothers forgetting the date of the vaccination or the requirement to pay before its administration. Also, it has been reported that payments are made in some facilities before the administration of vaccines even in public facilities. This could discourage immunisation uptake for their children. However, the trend of completion decreased afterwards with meningitis being the least with less than 50% completion, while vitamin A1 had the most completion of 98.3%. This result is consistent with reports that after 10 weeks there was a decreased uptake of immunisation.

In conclusion, the findings indicate that maternal knowledge, attitudes, and perspectives regarding the paediatric Routine Immunisation (RI) program are predominantly satisfactory. Engagement in antenatal care, institutional delivery, and elevated educational levels were positively associated with a thorough understanding of the immunisation program and vaccine-preventable diseases (VPDs). Future initiatives are necessary to improve maternal awareness and address misconceptions that may impede vaccination coverage rates in Lagos and other Nigerian states.

Health facilities ought to issue reminders to carers before the next routine immunisation to inform them of their child's forthcoming vaccination schedule.

Keywords: immunisation, determinants, mothers, children, vaccine

Table of Contents

Content	Page
Title page	i
Certification	ii
Dedication	iii
Acknowledgement	iv
Abstract	v
Table of Contents	vii
CHAPTER ONE: INTRODUCTION	
1.1 Background of the Study	1
1.2 Statement of the Problem	3
1.3 Justification of the Study	4
1.4 Conceptual/Theoretical framework	5
1.5 Aims and Objective of the Study	6
1.6 Research Question	6
1.7 Significance of the Study	7
1.8 Scope of the Study	7
1.9 Operational Definition of Terms	8

CHAPTER TWO: LITERATURE REVIEW

2.1 Conceptual Review	11
2.1.1 Immunisation	11
2.1.2 The Immune System and Immunisation	14
2.1.2.1 How Immunisation Works	15
2.1.2.2 Mechanism of Vaccine-Induced Immunity	19
2.1.3 Vaccine-Preventable Diseases among Infants	21
2.1.4 Immunisation Side Effects	40
2.1.5 Benefits of Immunisation	42
2.1.6 Barriers against Completion of Immunisation	46
2.1.7 Overview of Immunisation in Nigeria	54
2.1.8 Herd Immunity and Its Role in Disease Prevention	75
2.1.9 Vaccine Hesitancy and Its Implications	79
2.2 Theoretical Framework	83
2.3 Andersen model of health care utilisation	59
2.4 Health Belief Model	86
2.5 Theory of Planned Behaviours	90
2.6 Review of Empirical Studies	73
2.6.1 Prevalence of completion of childhood Immunisation among mothers of five	73
2.6.2 Perception of mothers towards childhood immunisation of under five	97
2.6.3 Factors Associated with the Uptake and Completion of Immunisation	78
2.7 Conceptual Framework	113
2.8 Summary of Gaps in the Literature Reviewed	115

ENDNOTES	118
CHAPTER THREE: METHODOLOGY	137
3.1 Study Design	137
3.2 Study Area	137
3.3 Study Population	139
3.4 Sample and Sample Method/Procedure	142
3.5 Sample Procedure	142
3.6 Research Instrument	142
3.7 Validation of the Instrument	143
3.8 Method of Data Collection	144
3.9 Method of Data Analysis	144
3.10 Ethical Consideration	145
ENDNOTES	146
CHAPTER FOUR: ANALYSIS OF DATA AND PRESENTATION OF DATA	147
Results	147
Discussion on Findings	163

Endnotes	174
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CHAPTER FIVE: SUMMARY, CONCLUSION AND RECOMMENDATIONS

5.1 Summary	179
-------------	-----

5.2 Conclusion	180
----------------	-----

5.3 Contribution to Knowledge	180
-------------------------------	-----

5.4 Intervention	181
------------------	-----

5.5 Recommendations	182
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APPENDIXES

Appendix 1: Bibliography	183
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Appendix 2: Informed Consent	214
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Appendix 3: Questionnaire	217
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Appendix 3: Letter of approval for data collection	224
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Appendix 4: Pictures of researcher distributing questionnaires to respondents	225
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Appendix 5: Bio Data	
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Appendix 6: Report on Turnitin	
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LIST OF TABLES

Table 2.1:	Indicators for reduced child mortality and improved maternal health	62
Table 2.2:	National Immunisation Schedule for Routine Immunisation	65
Table 4.1:	Socio-background characteristics of mothers in Ajeromi Ifeodun LGA	149
Table 4.2:	Characteristics of under-five children in Ajeromi Ifelodun LGA.	150
Table 4.3:	Barriers to the uptake of childhood immunisation	157
Table 4.4:	Socio-Demographic Characteristics and Completion of Immunisations.	160
Table 4.5:	Determinants of Immunisation Completion	162

LIST OF FIGURES

Figure 2.1:	How Immunisation Works	16
Figure 2.2:	Mechanism of mRNA Vaccine	19
Figure 2.3:	Andersen model of health care utilisation	84
Figure 2.4:	Health Belief Model	87
Figure 2.5:	Theory of Planned Behaviour	91
Figure 2.6:	Researcher Designed Conceptual Framework	113
Figure 4.1:	Percentage distribution of immunisation uptake	152
Figure 4.2:	Prevalence of immunisation completion among under-5 Children.	153
Figure 4.3:	Perceived Barriers to the Uptake of Childhood Immunisation	154
Figure 4.4:	Perception of Mothers of under-five children Towards Childhood Immunisation	155
Figure 4.5a:	Presence of barriers to the uptake of childhood immunisation by mothers of under five	158
Figure 4.5b:	Reasons for delayed vaccination	159