

**Midwives' Knowledge and Utilization of World Health Organisation E-MOTIVE Care
Bundle Management of Postpartum Haemorrhage in Secondary Health Institutions in
Ibadan, Nigeria**

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**Being a M.Sc Thesis Submitted to the Department of Nursing, Faculty of Basic Medical &
Health Sciences, Lead City University, Ibadan, Oyo state, Nigeria**

**In Partial Fulfillment of the Requirements for the Award of Master Degree (Nursing) in
Maternal and Child Health**

2025

Certification

This is to certify that **Iyabode Aderonke Adeleke**, with matriculation number **LCU/PG/006117**, conducted a research study titled “**Midwives’ Knowledge and Utilization of World Health Organisation E-MOTIVE Care Bundle Management of Postpartum Haemorrhage in Secondary Health Institutions in Ibadan, Nigeria**” in the Department of Nursing Science, Faculty of Basic Medical and Health Sciences, Lead City University, Ibadan, Oyo State, in partial fulfillment of the requirements for the award of the Master’s Degree in Nursing Science. To the best of our knowledge, this research work has not been previously submitted for the award of any degree or academic qualification in any other institution.

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Date

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Head of the Department

Date

Dedication

This research work is dedicated to God Almighty

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Acknowledgement

This research work was conducted at Adeoyo Maternity Hospital, Jericho Specialist Hospital, and Ring Road State Hospital, Ibadan, using the midwives as participants. I acknowledge with deep appreciation the management and staff of the institutions for their cooperation and support during the data collection. I also appreciate the midwives who are the respondents that consented to participate in carrying out this study. I am equally grateful to the Provost, Principal officers, Management and Staff of Oyo State College of Nursing and Midwifery, Eleyele, Ibadan, especially the Library staff for their assistance in data collection and provision of relevant materials that enriched this study.

I am profoundly grateful to my supervisor, Dr. Christiana A. Owopetu, of the Department of Nursing Science, Lead City University, for her scholarly guidance, and consistent mentorship throughout the course of this research. My sincere appreciation also goes to all academic staff of the Department of Nursing Science, Lead City University, for their academic contributions, particularly the HOD Mrs A. O. Akinpelu, Dr. Ldyia O. Dada, Dr Taiwo Otufale and Mrs C. B. Adeleke, whose teaching and academic counsel contributed greatly to my professional and intellectual development.

I extend my heartfelt appreciation to my husband, Pastor Stephen Adeleke, and my son, Oluwasemilore Adeleke, for their patience, understanding, and unwavering moral support throughout the period of this study.

Even though the above-mentioned institutions and persons have assisted in the process of this research work, I alone stand responsible for any errors, if any, found in the work.

Abstract

Postpartum haemorrhage remains one of the leading cause of maternal mortality worldwide. Traditional management methods such as uterine compression and use of uterotonic drugs have shown limited effectiveness in severe cases. WHO recommended E-MOTIVE Care Bundle, an evidence-based protocol, that demonstrated up to 60% reduction in postpartum haemorrhage when used effectively by midwives. This study aimed to ascertain Midwives' knowledge and utilization of E-MOTIVE Care Bundle management of postpartum haemorrhage in secondary health institutions in Ibadan, Oyo State, Nigeria. Descriptive survey research design was employed, and data was collected from 205 midwives using a validated questionnaire. The instrument's reliability was determined through a pretest conducted among 21 midwives at General Hospital, Aremo, Ibadan which revealed a Cronbach's Alpha coefficient of 0.974 that indicated a high level of internal consistency. Descriptive analysis was used to answer research questions while Chi-square was used to test the hypotheses at a 0.05 level of significance. Findings revealed that 64% respondents had knowledge of E-MOTIVE Care Bundle and 90.7% had high knowledge of its individual components, 66.8% respondents indicated high level utilization of E-MOTIVE Care Bundle to manage postpartum haemorrhage and 73.2% identified steps in management of postpartum haemorrhage correctly. Chi-square results revealed a significant association between knowledge and utilization ($\chi^2 = 16.026$, $p = 0.001$) and between years of experience and utilization ($\chi^2 = 73.927$, $p = 0.000$). The study concluded that although midwives possessed high knowledge of E-MOTIVE Care Bundle and its utilization but needs more adherence to E-MOTIVE protocols. Therefore, in order to manage postpartum haemorrhage effectively and thereby reduce maternal mortality the study recommended that there should be continuous professional training, institutional support, and supervision to promote consistent, evidence-based management of postpartum haemorrhage in line with WHO standards.

Keywords: E-MOTIVE Care Bundle, Midwives' Knowledge, Postpartum haemorrhage, Utilization

Word Count: 287

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List of Acronyms

WHO:	World Health Organisation
DIC:	Disseminated Intravascular Coagulation
PPH:	Postpartum Haemorrhage
PTSD:	Post Traumatic Stress Disorder
E-MOTIVE:	Early detection using calibrated drapes, Massage of the uterus, Oxytocin or other uterotonics, Tranexamic acid, Intravenous fluids, And Escalation of care
TXA:	Tranexamic Acid
SDG:	Sustainable Development Goal
KTA:	Knowledge to Action theory
MMR:	Maternal Mortality Rate
LMIC:	Low and Middle Income Countries
4 T's:	Tone, Tissue, Trauma, and Thrombin
AMTSL:	Active Management of Third Stage of Labour
HSC:	Heat stable carbetocin
DALY:	Disability Adjusted Life Year
ICU:	Intensive Care Unit
MCPDP:	Mandatory Continuing Professional Development Programme