FACTORS AFFECTING ADOPTION OF FAMILY PLANNING METHODS IN NAGONGERA TOWN COUNCIL IN TORORO DISTRICT

 \mathbf{BY}

ASIO SHARON SCOVIA

BU/UP/2018/3355

A RESEARCH PROPOSAL SUBMITTED TO THE DEPARTMENT OF GEOGRAPHY IN PARTIAL FULFILMENT OF THE RQUIREMENTS FOR THE AWARD OF THE BACHELOR OF SCIENCE AND EDUCATION DEGREE OF BUSITEMA UNIVERSITY

DECLARATION

I, ASIO SHARON SCOVIA do hereby declare that this dissertation is a result of my own individual effort and has not been submitted to any institution of higher learning of any award.
Student's signature
ASIO SHARON SCOVIA

APPROVAL.

This is to certify that this research work is for ASIO SHARON SCOVIA. Assessing the factors
affecting adoption of family planning methods in nagongera town council in Tororo district "has
been under my supervision and is now ready for submission to the department of geography for
approval.
Supervisor's signature Date

TURYAHABWE REMIGIO.

DEDICATION

This book is a special dedication to my entire family Mr. Okurut Stephen, Mrs. Tino Florence and my lovely friends for their entire efforts my supervisor Mr. Turyahabwe Remigio and my friends who have tried their level best to bring me up to this far morally and this has been the source of courage and inspiration throughout this school life. May God provide them with more of life as a special gift. Thanks so much.

ACKNOWLEDGEMENT.

I would like to extend my sincere appreciation to Mr. Remmy for his effort towards finishing of this report amidst all the challenges faced due to COVID pandemic by encouraging and guiding me on what to do in this research up to the rightful conclusion and submission. Bravo to all my lectures upon your tireless work in the stay at Busitema University May God bless you abundantly.

Appreciation also goes to the management of family planning services of Nagongera health center upon accepting my plea amidst all hardships and the security in the area that however devoted some time and answered questions that I asked them great thanks to you.

Finally, my appreciation goes to my course mates who made most academic hardships appear light mostly my coordinator Bwire Duncan thanks for the efforts rendered towards my stay in Busitema University. Also I can't forget to appreciate Nakasongo Proscovia, Namulemu Nicholas'. Mungoma Eddy, Judith, Emma and Samson may God reward you with all your heart desires thank you for the assistance.

ABSTRACT

The aim of the study was to determine the factors affecting adoption of family planning methods in Nagongera town council in Tororo district. Family planning (FP) is a voluntary and informed decision by an individual or couple on the number of children to have and when to have them, by use of modern or natural FP methods. Modern FP methods commonly available include oral contraceptives, Depot Medroxy-Progesterone Acetate (DMPA) injections, Implants, condoms, diaphragms, Intra Uterine Devices (IUD) and voluntary sterilization (vasectomy and tubal ligation). The traditional methods include Lactational Amenorrhea Method (LAM) and Fertility Awareness Based methods (FAB). In this study, the majority of PLWHA seeking TASO services reported use of some method of FP. Condoms were the most frequently reported FP method yet condoms are not primarily used for FP purposes among PLWHA. Current use of modern contraceptive options other than condoms was at 13%. Knowledge about FP methods and approval of one's spouse were significant predictors of FP use. Other factors that were more likely to be associated with FP use were FP counseling provided by TASO, HIV seropositivity, and access to FP methods.

TABLE OF CONTENTS	PAGE NUMBER
DECLARATION	II
APPROVAL	III
DEDICATION	IV
ACKNOWLEDGEMENT	V
LIST OF TABLES	VI
LIST OF FIGURES	VII
ACRONYMS AND ABBREVIATIONS	VIII
OPERATIONAL DEFINITIONS	X
ABSTRACT	XI
CHAPTER ONE: INTRODUCTION	1
BACKGROUND	6
PROBLEM STATEMENT	7
SIGNFANCE OF THE STUDY	8
THE SCOPE	8
RESEARCH QUESTIONS	9
OBJECTIVES OF THE STUDY	9
LIMITATION	9
DELIMINTATIONS	10
CHAPTER TWO: LITERATURE REVIEW	
DORMINANT FP METHODS	12
FACTORS THAT HAVE ENCOURAGED ADOPTION OF	FAMILY PLANNING
METHODS	15
AGE AND FP USE	
PARITY AND FP USE	16
HIV SEROPOSITIVITY, CARE AND FP USE	
EDUCATION LEVEL AND FP USE	
KNOWLEDGE ABOUT FP METHODS AND FP USE	
SPOUSE AND EFFECT ON FP USE	

INFLUENCE OF CULTURE ON FP USE	19
HEALTH SERVICE DELIVERY AND FP USE	19
FACTORS THAT HAVE DISCOURAGED UPTAKE OF FAMILY PLAN	INING
METHODS	20
STRATEGIES THAT HAVE BEEN EMPLOYED TO ENCOURAGE PEC	OPLE TO TAKE UP
FAMILY PLANNING METHODS	21
CHAPTER THREE: METHODOLOGY	23
STUDY SITE AND POPULATION	23
STUDY SITE	23
THE STUDY POPULATION	23
STUDY DESIGN	23
SIMPLE RANDOM SAMPLING TECHNIQUE	24
PURPOSIVE SAMPLING TECHNIQUE	24
RESEARCH INSTRUMENTS	
QUESTIONAIRES	24
INTERVIEW	25
RECORDING	25
DATA ANALYSIS AND INTERPRETATION	25
CHAPTER FOUR: RESULTS	26
DATA PRESENTATION, INTERPRETATION AND ANALYSIS	26
FAMILY PLANNING METHODS FREQUENTLY USED	
FACTORS THAT HAVE ENCOURAGED ADOPTION OF FAMILY PLA	ANNING 35
STRATEGIES THAT HAVE BEEN EMPLOYED TO ENCOURAGE FP N	METHODS 40
FACTORS THAT DISCOURAGED UPTAKE OF FP METHOD	43
CHAPTER FIVE: DISCUSSION	47
CURRENT USE OF FP METHODS	47
FREQUENTLY USED FP METHODS	48
FACTORS ASSOCIATED WITH FP USE	48
KNOWLEDGE ABOUT FP AND FP USE	49

APPROVAL OF SPOUSE AND FP USE	49
HIV SEROPOSITIVITY AND FP USE	49
FAMILY PLANNING COUNSELING BY TASO AND FP USE	50
ACCESS AND FP USE	51
LIMITATIONS OF THE STUDY	51
CONCLUSIONS AND RECOMMENDATIONS	52
CONCLUSIONS	52
RECOMMENDATIONS	53
REFRENCES	54
APPENDIX	56
APPENDIX I: CONSENT FORM	56
APPENDIX II: INTERVIEW QUESTIONNAIRE IN ENGLISH	57
LIST OF TABLES	
Table 1: Socio-demographic characteristics of the respondents	27
Table 2: Current FP methods used by PLWHA receiving TASO services	29
Table 3: Effect of participant's age groups and Education level on FP use	35
Table 4: Client and community factors and FP use	36
Table 5: Factors related to FP service delivery and utilization of FP methods	38
Table 6: Odds ratios and p-values obtained from the best model	40

ACRONYMS AND ABBREVIATIONS

Acronyms

AIDS: Acquired Immune Deficiency Syndrome

ART: Anti-Retroviral Therapy

CDC: Centers for Disease Control and Prevention

CPR: Contraceptive Prevalence Rate

DMPA: Depot Medroxy-Progesterone Acetate

FHI: Family Health International

FAB: Fertility Awareness Based methods

FP: Family Planning

FPAU: Family Planning Association of Uganda

HIV: Human Immunodeficiency Virus

HMIS: Health Management Information System

HSSP: Health Sector Strategic Plan

IUD: Intra Uterine Devices

LAM: Lactational Amenorrhea Method

MOFPED: Ministry of Finance Planning and Economic Development

MOH: Ministry of Health

MTCT: Mother-to-Child transmission

PEAP: Poverty Eradication Action Plan

PLWHA: People Living with HIV/AIDS

PMTCT: Prevention of Mother to Child Transmission

STI: Sexually Transmitted Infections ix

TASO: The Aids Support Organization

TFR: Total Fertility Rate

UBOS: Uganda Bureau of Statistics

UDHS: Uganda Demographic Health Survey

UHSBS: Uganda HIV/AIDS Sero-Behavioral Survey report

WHO: World Health Organization x

OPERATIONAL DEFINITIONS

Active client: A client who has received TASO services at least once in the last six (6) months **Sexually Active**: A client who has had sexual intercourse at least once in the last 3 months **Family planning utilization**: This referred to use of any form of either modern or traditional family planning (FP) method

Current use of FP method:

Respondents who responded positively after being asked whether they were currently doing anything to delay or avoid pregnancy. The time period for current use of FP was varied;

□ For surgical methods such as female sterilization (tubal ligation) and male sterilization

(vasectomy) - ever use was assessed as these are permanent FP methods

☐ For methods such as oral contraceptives, injectable, intrauterine contraceptive device (IUD), implants, lactational amenorrhea method (LAM), fertility awareness based methods (FAB) and herbs – their current contraceptive effect at the time of the interview was assessed as this effect is temporary

☐ For barrier methods such as condoms – current use was reported use by sexually active PLWHA for FP purposes at the time of the interview irrespective of the consistency

Modern FP methods: FP methods such as pills, injectable (Depo-Provera), condoms, implants, Intra uterine contraceptive devices, vasectomy, bilateral tubal legation

Traditional FP methods: Other FP methods such as Lactational Amenorrhea, Fertility Awareness Based methods and herbs

Fertility Awareness Based methods: These are based on knowledge about safe and unsafe days of conception. They include methods such as changes in basal body temperature, "thickness" of cervical mucus, use of moon beads and withdraw

CHAPTER ONE

Introduction

This chapter presents the background to the study, problem statement, and purpose of the study, specific objectives, research questions, significance, and scope, background of the study area, limitations and delimitations of data collection.

Family planning is a critical health intervention with vast potential to save lives, foster development, and improve wellbeing.

Family planning (FP) is a voluntary and informed decision by an individual or couple on the number of children to have and when to have them, by use of modern or natural FP methods (MOH, 2005). It can also be simply referred to as having children by choice and not by chance. Modern FP methods commonly available include oral contraceptives, Depot Medroxy-Progesterone Acetate (DMPA) injections, Implants, condoms, diaphragms, Intra Uterine Devices (IUD) and voluntary sterilization (vasectomy and tubal ligation). The traditional methods include Lactational Amenorrhea Method (LAM) and Fertility Awareness Based methods (FAB). Current guidance from WHO indicates that virtually all these methods are safe for nearly every person with HIV

Expanding access to contraception is an essential component of achieving universal access to reproductive health-care services, as called for in the 2030 Agenda for Sustainable Development. Contraceptives enable individuals and couples to exercise their right to choose the number, spacing and timing of births, to avoid high-risk pregnancies, to reduce the chance of unintended pregnancy, death, unsafe abortion and to improve the socioeconomic conditions of their families. (Chandra-Mouli et al., 2014; Glasier et al., 2006; Nove et al., 2014).

Uptake of FP is a cost-effective public health strategy that faces many challenges (Ganatra & Faundes, 2016). Adolescents and postpartum women are priority groups because they have a higher unmet need for FP than the general population (Moore et al., 2015; Vogel et al., 2015). Unmet need refers to the proportion of sexually active, women of reproductive age who are capable of becoming pregnant but want to limit (do not want more children) or to space (postpone pregnancy) their children; however, they are not using FP methods (Kennedy et al., 2011).

REFERENCES:

Agyei WK, and Migadde M.1995. Demographic and sociocultural factors influencing contraceptive use in Uganda. PubMed article - indexed for MEDLINE [online]. Vol 27(1): pp. 47-60. Available from: http://www.ncbi.nlm.nih.gov/pubmed [cited 15 May 2009] Brou H, Viho I, Djohan G, Ekouévi DK, Zanou B, Leroy V., et al., 2009. Contraceptive use and incidence of pregnancy among women after HIV testing in Abidjan, Ivory Coast. *PubMed article* - *indexed for MEDLINE* [online]. Vol **57**(2): pp 77-86. Available from: http://www.ncbi.nlm.nih.gov/pubmed [cited 15 May 2009]

Degni F, Mazengo C, Vaskilampi T, and Essén B., 2008. Religious beliefs prevailing among Somali men living in Finland regarding the use of the condom by men and that of other forms of contraception by women. Eur Journal of Contraception and Reproductive Health Care [online]. Vol 13(3): pp 298-303. Available from: http://www.ncbi.nlm.nih.gov/pubmed [cited 15 May 2009].

Eugene JK and Wiysonge CS., 2008. Association between fertility and HIV status: what implications for HIV estimates? *PubMed article* [online]. Issue 10.1186/1471-2458-8-309. Available from: http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2546405/?tool=pmcentrez [cited 15 May 2009]

Feldman R. and Maposphere C. 2003. Safer Sex and Reproductive Choice: Findings from "Positive Women: Voices and Choices" in Zimbabwe. Reproductive Health Matters; [online] 11, pp. 162-173. Available from: http://www.rhm-elsevier.com/search/results. [Cited 12 May 2009] Family Health International. 2008. Contraception for Women and Clients with HIV. [online]. Reproductive health, Training and Education Materials. Available from: http://www.fhi.org/en/RH/Training/trainmat/ARVmodule.htm [cited 12 May 2008]. Family Health International. 2007. Family Health Research: Integrating Services. [online] 1. (1). Available from: http://www.fhi.org/en/RH/Pubs/fhr/v1_1/index.htm [cited 12 May 2009] Government of Uganda-UNFPA, Gender mainstreaming project. 2007. Guidelines for mainstreaming gender in Reproductive Health. Kampala: Ministry of Health Ministry of gender, labour & social development

Gray RH., Wawer MJ, Serwadda D., Sewankambo N, Li C, Wabwire-Mangen F, et al. 1998. Population-based fertility in women with HIV-1 infection in Uganda. *Lancet*, **351**, 98-103 [online] Available from: http://www.ncbi.nlm.nih.gov/sites/entrez [cited 12 May 2009] Hagen, CA, Fikree, Fariyal F, Sherali, Afroze. Hoodbhoy, et al. 1999. Fertility and Family Planning Trends in Karachi, Pakistan. *International Family Planning Perspectives*. **25**, (1), [online] Available from:

http://findarticles.com/p/articles/mi_qa3876/is_199903/?tag=content;col1 [cited 12 May 2009. Homsy J, Bunnell R, Moore D, King R, Malamba S, Nakityo R, et al.,2008. Incidence and determinants of pregnancy among women receiving ART in rural Uganda, *CROI 2008, 15th Conference on retroviruses and Opportunistic infections: HIV in Women and Children.* (74) [online]. Available from: http://www.retroconference.org/2008/Abstracts/31929.htm [cited 12 May 2009]

Homsy J, Bunnell R, Moore D, King R, Malamba S, Nakityo R, et al., 2009. Reproductive intentions and outcomes among women on antiretroviral therapy in rural Uganda: a prospective cohort study. *PubMed article - indexed for MEDLINE* **4**(1) [online] Available from: http://www.ncbi.nlm.nih.gov/sites/entrez [cited 12 May 2009]

Ketende C, Gupta N, and Bessinger R, 2003. Facility-level reproductive health interventions and contraceptive use in Uganda. *International Family Planning Perspectives*, [online]. **29**(3):130-7, Available from: http://www.ncbi.nlm.nih.gov/pubmed/. [cited 12 May 2009].

Kibuuka H, Guwatudde D, Kimutai R, Maganga L, Maboko L, Watyema C et al., 2009. Contraceptive use in women enrolled into preventive HIV vaccine trials: experience from a phase I/II trial in East Africa. *PubMed - indexed for MEDLINE* [online]. **4**(4): Available from: http://www.ncbi.nlm.nih.gov/sites/entrez. [cited 12 May 2009].

Khan ME, Anker M, Patel BC, Barge S, Sadhwani H, Kohle R., 1991. *The use of focus groups in social and behavioural research: some methodological issues.* [online]. World Health Stat Q.; **44**(3):145-9. Available from: http://www.ncbi.nlm.nih.gov/pubmed/1949882 [cited 12 May 2009].

Tom L, Zikulah N, Kigozi G, Kimera E, Nalugoda F, Serwadda D et al., 2006. A community randomized trial of enhanced family planning effort in a Ugandan HIV Surveillance Program. *Conference in Addis Ababa, Ethiopia, October 9-10, 2006* [online]. Available from: http://www.jhsph.edu/gatesinstitute/policy_practice/leadership_forums/fp-hivmtg/agenda.html [cited 12 May 2009].

Ministry of Health, Uganda, 1999. *National Health Policy*, Kampala: Ministry of Health Ministry of Health, Uganda, 2005. *Health Sector Strategic Plan (HSSP) II July 2005/06-June 2009/10*, Kampala: Ministry of Health

Ministry of Health, Uganda, 2004. *A Strategy to improve reproductive health in Uganda* 2005-2010, *Kampala*: Ministry of Health

Ministry of Health, Uganda, 2004. – Reproductive Health Division: Identifying successful reproductive Health strategies, Kampala: Ministry of Health

Ministry of Health, Uganda, 2005. *Strengthening Family Planning within the PMTCT program in Uganda, a trainee hand book*, Kampala: Ministry of Health

Ministry of Health, 2005a. *National Family Planning Advocacy Strategy, 2005–2010*. Health Promotion and Education Division, Reproductive Health Division. Kampala: Ministry of Health.

Ministry of Health Uganda & ORC Macro. 2006. *Uganda HIV/AIDS Sero-behavioural survey* 2004-2005 Calverton, Maryland, USA: Ministry of Health and ORC Macro

Mutiso SM, Kinuthia J, and Qureshi Z., 2008. Contraceptive use among HIV infected women attending Comprehensive Care Centre. *PubMed article - indexed for MEDLINE* [online]. (4): pp 171-7. Available from: http://www.ncbi.nlm.nih.gov/sites/entrez [Cited 12 May 2009] Raiford JL, Wingood GM, and DiClemente RJ., 2007. Correlates of consistent condom use among HIV-positive African American women. *PubMed article - indexed for MEDLINE* [online]. (2-3):41-58. Available from: http://www.ncbi.nlm.nih.gov/sites/entrez [Cited 12 May 2009]

Rob S., Baschieri A., Steve C., Monique H., and Nyovani M., 2007., Contextual Influences on Modern Contraceptive Use in Sub-Saharan Africa *American Journal of Public Health.*, [online]. (7): 1233–1240. Available from:

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1913073/?tool=pmcentrez [Cited 12 May 2009]

Rossella N., 2006. Knowledge Gap Restricts Women's Contraceptive Choice; *Women's health/gynaecology*, [online], Available from

http://www.medicalnewstoday.com/articles/57430.php [cited 12 May 2008]

Ryan S, Franzetta K and Manlove J, 2007., Knowledge, Perceptions, and Motivations for Contraception pg 195-198. [online]. Available from: http://yas.sagepub.com/cgi/reprint/39/2/182 [cited 12 May 2009]

Sennen HH, Carabin H, and Henderson NJ, 2005., Towards an understanding of barriers to condom use in rural Benin using the Health Belief Model: *A cross sectional survey* [online]. (5-8). Available from:

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC547902/?tool=pmcentrez [Cited 12 May 2009] Srikanthan A., and Reid RL., 2008. Religious and cultural influences on contraception. *Journal of Obstetrics and Gynaecology Canada*. [online]. **30**(2):129-37. Available from: http://www.ncbi.nlm.nih.gov/sites/entrez [Cited 12 May 2009]

Stanwood NL, Cohn SE, Heiser JR, and Pugliese M, 2007., Contraception and fertility plans in a cohort of HIV-positive women in care. *PubMed article - indexed for MEDLINE* [online]. **75**(4): 294-8. Available from: http://www.ncbi.nlm.nih.gov/sites/entrez [Cited 12 May 2009] Sukati NA and Shabangu P., 2006. Perceptions of HIV positive swazi women of childbearing. Oral abstract session: *AIDS 2006 - XVI International AIDS Conference*: [online] Abstract no. TUAD0104 Available from:

http://www.iasociety.org/Default.aspx?pageId=11&abstractId=2190816 [Cited 12 May 2009] The AIDS Support Organization (2008). Tororo Annual MIS reports 2003, 2006, 2008. Kampala Uganda

The AIDS Support Organization. (2007). TASO Five-year strategic plan 2008-2012. Kampala Uganda

Todd C. S., Michelle. M. I., Malalay A., Pashtoon A., Faridullah A., Smith J., M., et al., 2008., Cross-sectional analysis of factors associated with contraceptive use among hospitalized obstetric patients in Kabul, Afghanistan *National Institute of Health*. [online] **78**(3): 249–256. Accessed at:

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2585412/?tool=pmcentrez&report=abstract [Cited 12 May 2009]

Tsui AO and Stephenson R., 2002. Contextual Influences on reproductive health service use in Uttah Pradesh, India. *Studies in Family Planning*, [online] **33** (4):309–320. Available from: http://www.ncbi.nlm.nih.gov/pubmed/12561780 [cited 12 May 2008]

Uganda Aids Commission (2007); *The National HIV/AIDS Strategic plan*: 2007/08 to 2011/12, Kampala, Uganda Aids Commission

Uganda Bureau of Statistics (UBOS) and Macro International Inc. 2007. *Uganda Demographic and Health Survey 2006*. Kampala, Uganda and Calverton, Maryland, USA: UBOS and Macro International Inc.

Utomo B, Alimoeso S, Park C.B, 1983. Factors affecting the use and nonuse of contraception. *PubMed article - indexed for MEDLINE* [online].**10**(20): 19-48. Available from: http://www.ncbi.nlm.nih.gov/sites/entrez [cited 12 May 2008]

Wolff B, Blanc AK, and Ssekamatte SJ, 2000. The role of couple negotiation in unmet need for contraception and the decision to stop childbearing in Uganda. *PubMed article - indexed for MEDLINE* [online] (2):124-37. http://www.ncbi.nlm.nih.gov/sites/entrez [cited 12 May 2008] World Health Organization, 1978. *Declaration of Alma-Ata. International Conference on Primary Health Care, Alma-Ata, USSR*, 6-12 September [online] Available from: www.who.int/hpr/NPH/docs/declaration_almaata.pdf [cited 15 May 2008] World Health Organization, (2006): Sexual and reproductive health of women living with HIV/AIDS. Accessed at http://www.who.int/hiv/pub/guidelines/rhr/en/index.html [cited 12 May

World Health Organization, (2008): HIV/AIDS epidemic update: Accessed at http://www.who.int/hiv/data/en/ [cited 12 May 2009]

2008]

World Health Organization update (2008). Medical Eligibility Criteria for Contraceptive Use. Third edition. 2004. Geneva. http://whqlibdoc.who.int/hq/2008/WHO_RHR_08.19_eng.pdf [cited 12 May 2009]