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Gender and HIV in Limpopo Province

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GENDER AND HIV IN LIMPOPO PROVINCE

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Research report submitted to the Faculty of Health Sciences, University of
the Witwatersrand, in partial fulfillment of the requirements for the Degree

of

Master of Epidemiology and Biostatistics

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DECLARATION

I, Mohammed Abdosh Ali, declare that this research report is my own work. It is being submitted for the degree of Master of Epidemiology and Biostatistics at the University of Witwatersrand, Johannesburg. It has not been submitted before for any degree or examination at this or any other University.

Signature of Candidate: _____

2nd day of April 2009

ABSTRACT

OBJECTIVE: To explore gender-related differentials of HIV prevalence in Limpopo Province, South Africa.

METHODS: This is a cross-sectional study, data collected by the Rural AIDS and Development Action Research (RADAR) Program for the purpose of a controlled community trial in Limpopo Province. The study population consisted of 798 young men and 992 young women aged 14 to 25 years old. Subjects were tested for the presence of HIV antibodies and answered structured questionnaires. Logistic regression was used to examine risk factors related to gender differentials of HIV prevalence.

RESULTS: The prevalence of HIV infection was 5.8% in men and 12.4% in women. Women often had older partners, while men had much younger partners or partners of a similar age. Men with primary education and reporting as students showed a reduced risk of HIV infection whereas unemployed women showed an increased risk of HIV infection. Sexual debut at the age of ≤ 16 was associated with increased risk of HIV infection among both sexes. A significantly higher HIV prevalence was found in women with more than four lifetime sexual partners, young women having an age difference of three to 9.9 years from their sexual partners, women having non-spousal sexual partners of 22 to 26 years of age, and women reporting no regular financial support. Frequency of sex of six to 20 times was a marker of increased risk of HIV among men.

CONCLUSIONS: The risk of HIV infection was higher in young women than in men. The increased risk of HIV infection in women might be explained by social and behavioural factors that lead young women to select older partners, and is perhaps also a result of the biological susceptibility of women to HIV infection.

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TABLE OF CONTENTS

		Page
	DECLARATION	ii
	ABSTRACT	iii
	ACKNOWLEDGEMENT	iv
	TABLE OF CONTENTS	v
	LIST OF FIGURES	Vii
	LIST OF TABLES	viii
	LIST OF ACRONYMS	ix
	CHAPTER 1	1
1.0	INTRODUCTION	1
1.1	General HIV situation in Sub-Saharan Africa	1
1.2	Variation of HIV prevalence among young men and young women	2
1.3	Biological explanation	4
1.3.1	Variation of genital tracts of men and women and HIV infection	5
1.3.2	Interaction between STIs and HIV in the genital tracts of men and women	7
1.4	Socio-demographic characteristics	9
1.4.1	Education	9
1.4.2	Marriage	10
1.4.3	Poverty	10
1.5	Sexual behavioural risk factors and HIV	11
1.5.1	Sexual debut	11

1.5.2	Age difference and HIV infection	12
1.5.3	Sexual partnership and HIV infection	13
1.5.4	Condon use	14
1.5.5	Alcohol consumption	16
1.6	Justification	16
1.7	Study objectives	17
1.7.1	General objective	17
1.7.2	Specific objectives	17
	CHAPTER 2	18
2.0	METHODS	18
2.1	Study design	18
2.2	Sampling strategy	18
2.3	Data collection	19
2.4	Quality control	20
2.5	Ethical issues	21
2.6	Stage of data analysis	21
2.6.1	Data collected	22
2.6.2	Prevalence of HIV infection	22
2.6.3	Risk factors for HIV infection among young men and women	22
2.6.4	Association of risk factors and HIV infection among men and women	24
	CHAPTER 3	27
3.0	RESULTS	27
3.1	Data Collected	27

3.2	HIV prevalence	28
3.3	Risk factors for HIV infection among young men and women	30
3.4	Association of risk factors and HIV infection among men and women	42
	CHAPTER 4	44
4.0	DISCUSSION	44
	CHAPTER 5	53
5.0	CONCLUSION AND RECOMMENDATIONS	53
5.1	Conclusions	53
5.2	Recommendations	54
	APPENDICES	56
	APPENDIX A Questionnaire	56
	APPENDIX B Ethical clearance certificate	59
	REFERENCES	60

LIST OF FIGURES

1.1	Median HIV prevalence among women (15 to 49 years) attending antenatal clinics in consistent sites in Southern African countries, 1998-2006	2
3.2	Prevalence of HIV infection by age group and sex	29
3.3.1	Association of age of sexual debut and HIV infection by age group and sex	34
3.3.2	Association between lifetime sexual partners and HIV infection by age group and sex	37
3.3.3	Association of non-spousal partners' age with prevalence of HIV infection by age group and sex	40

3.3.4	Frequency of age difference between non-spousal partners' age and respondents' age by sex	41
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LIST OF TABLES

3.1	Socio-demographic characteristics between those who provided OMT and those who did not by sex in Limpopo Province, RSA	28
3.2	Prevalence of HIV infection by age group and sex	29
3.3.1a	Associations between socio-demographic characteristics and life style and HIV infection among men in Limpopo Province, RSA	31
3.3.1b	Associations between socio-demographic characteristics and life style and HIV infection among women in Limpopo Province, RSA	32
3.3.2	Association of potential risk factors for HIV and unemployment by sex	33
3.3.3a	Association between reported sexual behaviours and HIV infection among men in Limpopo Province, RSA	35
3.3.3b	Association between reported sexual behaviours and HIV infection among women in Limpopo Province, RSA	36
3.3.4a	Association between non-spousal partners' characteristics and HIV infection among men in Limpopo Province, RSA	38
3.3.4b	Association between non-spousal partners' characteristic sand HIV infection among women in Limpopo Province, RSA	39
3.4	Association of risk factors and HIV infection among respondents aged 14 to 25 by sex in Limpopo Province, RSA	43

LIST OF ACRONYMS

AIDS	Acquired Immuno Deficiency Syndrome
ARV	Antiretroviral
CI	Confidence Interval
CVL	Cervicovaginal Lavage
DNA	Deoxyribonucleic acid
ELISA	Enzyme-linked Immuno Sorbent Assay
GUD	Genital Ulcer Disease
HIV	Human Immuno deficiency Virus
HPV	Human Papilloma Virus
HSV-2	Herpes Simplex Virus type 2
IEC	Information Education and Communication
IQR	Interquartile Range
OMT	Oral Mucosal Transudate
OR	Odds Ratio
RADAR	Rural Aids and Development Action Research
RNA	Ribonucleic acid
RSA	Republic of South Africa
SES	Socio-economic Status
STIs	Sexual Transmitted Infections
UNAID	United Nations Programme for HIV/AIDS
WHO	World Health Organization

