AN EPIDEMIOLOGICAL PERSPECTIVE OF UNINTENDED PREGNANCY AMONG SOUTH AFRICAN YOUTH.

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A RESEARCH REPORT SUBMITTED TO THE FACULTY OF HEALTH SCIENCES, UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG, IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE (MEDICINE) IN EPIDEMIOLOGY AND BIOSTATISTICS.

NOVEMBER 2004.
DECLARATION

I Latifat Dasola Gbonjubola Ibisomi declare that this research report is my own original work. It is being submitted for the degree of Master of Science (Medicine) in Epidemiology and Biostatistics of the University of the Witwatersrand, Johannesburg. To the best of my knowledge, it has not been submitted before in part or in full for any degree or examination at this or any other University.

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......... day of ................., 2004.
DEDICATION

I humbly dedicate this work to all those who facilitate, encourage, support and/or sacrifice for the cause of advancing human knowledge for the purpose of improving the well being of mankind.
ACKNOWLEDGEMENT

Alhamdulillah for another milestone!

I am grateful to the Chairman of the National Population Commission of Nigeria for granting my request for leave of absence. Even though it was for another purpose, it afforded me the opportunity for this study.

I am immensely grateful to Dr. C. O. Odimegwu who painstakingly supervised this work. I am grateful too to Dr. Zaid Kimmie who assisted in converting the data set from flat to rectangular format, Dr. Jonathan Levin, the entire Wits School of Public Health team and my colleagues who have contributed in one way or the other to the successful completion of this work.

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# TABLE OF CONTENTS

DECLARATION .......................... ii  
DEDICATION ............................. iii  
ACKNOWLEDGEMENTS ...................... iv  
TABLE OF CONTENTS ...................... v  
LIST OF FIGURES .......................... vi  
LIST OF TABLES ........................... vii  
LIST OF APPENDICES ...................... viii  
LIST OF ABBREVIATIONS ................... ix  
ABSTRACT ............................... x  

## CHAPTER 1: GENERAL INTRODUCTION
1.1. Introduction ......................................................... 1  
1.2. Background information on study population ............................. 2  
1.3. Problem statement ................................................... 6  
1.4. Justification ......................................................... 6  
1.5. Objectives .......................................................... 7  
1.6. Literature review .................................................... 8  

## CHAPTER 2: METHODOLOGY
2.1. Study design ......................................................... 13  
2.2. Study population .................................................... 16  
2.3. Key words and variables of interest .................................. 17  
2.4. Hypotheses ........................................................ 19  
2.5. Scope and Limitations ............................................... 20  
2.6. Plans for utilisation and dissemination of results ...................... 21  
2.7. Ethical considerations .............................................. 21  
2.8. Data management ................................................... 21  
2.9. Data analysis ....................................................... 23  

## CHAPTER 3: RESULTS
3.1. Univariate analyses ................................................ 25  
3.2. Bivariate analyses ................................................ 28  
3.3. Multivariate analysis ............................................... 34  

## CHAPTER 4: DISCUSSION
Discussion ......................................................... 37  

## CHAPTER 5: CONCLUSION AND RECOMMENDATIONS
5.1. Conclusion ......................................................... 44  
5.2. Recommendations ................................................ 45  

REFERENCES ....................................................... 48  
APPENDICES ....................................................... 52
LIST OF FIGURES

Figure 3.1. Planning status of pregnancy of the 1395 respondents at conception.
Figure 3.2. Percentage distribution of respondents who had unintended pregnancies by highest education level.
Figure 3.3. Percentage distribution of respondents who had unintended pregnancies by ethnicity.
LIST OF TABLES

Table 2.1. Variables used in the study and their definitions.
Table 3.1. Percentage distribution of respondents who had unintended pregnancies by their demographic and socio-economic characteristics.
Table 3.2. Summary of the explanatory variables found to be associated with planning status at conception.
Table 3.3. Adjusted odds Ratios, 95% Confidence Intervals and associated p-values of the critical predictors of unintended pregnancy among South African youth.
LIST OF APPENDICES

1. Summary of cross tabulations of the demographic and socio-economic characteristics of respondents who had unintended pregnancies by the type of contraceptive method.
2. Summary of cross tabulations of the demographic and socio-economic characteristics of respondents who had unintended pregnancies by relationship to the last sexual partner.
3. Summary of cross tabulations of the demographic and socio-economic characteristics of respondents who had unintended pregnancies by the number of sexual partners in the last 12 months before the survey.
4. Summary of the explanatory variables found not to be associated with planning status at conception.
# LIST OF ABBREVIATIONS

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Full Form</th>
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<tbody>
<tr>
<td>CI</td>
<td>Confidence Interval</td>
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<tr>
<td>DHS</td>
<td>Demographic and Health Survey</td>
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<tr>
<td>EA</td>
<td>Enumeration Areas</td>
</tr>
<tr>
<td>ISSA</td>
<td>Integrated Systems for Survey Analysis</td>
</tr>
<tr>
<td>n.d</td>
<td>Not dated</td>
</tr>
<tr>
<td>NPU</td>
<td>National Population Unit</td>
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<tr>
<td>OR</td>
<td>Odds Ratio</td>
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<tr>
<td>AOR</td>
<td>Adjusted Odds Ratio</td>
</tr>
<tr>
<td>PPS</td>
<td>Probability Proportional to Sample</td>
</tr>
<tr>
<td>PSU</td>
<td>Primary Sampling Unit</td>
</tr>
<tr>
<td>RHRU</td>
<td>Reproductive Health and Research Unit</td>
</tr>
<tr>
<td>SADHS</td>
<td>South African Demographic and Health Survey</td>
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<tr>
<td>SAS</td>
<td>Statistical Analysis Systems</td>
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<tr>
<td>SPSS</td>
<td>Statistical Package for Social Scientists</td>
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<tr>
<td>Stats SA</td>
<td>Statistics South Africa</td>
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<tr>
<td>USAID</td>
<td>United States Agency for International Development</td>
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ABSTRACT

Unintended pregnancy among the youth is a serious public health problem for it exposes the young women and the foetuses to higher risk of morbidity and mortality. Although recognised as a major public health problem, studies on it have been limited and localised in South Africa. Using the 1998 South African Demographic and Health Survey (SADHS) data set, this study examines the distribution of and factors associated with unintended pregnancy among South African youth. The 1998 SADHS was a nationally representative cross-sectional survey with a probability sample of twelve thousand (12,000) women between the ages of 15 and 49. The survey used a structured questionnaire to collect information on fertility issues in general from the respondents. Analysis was based on 1,395 observations which was arrived at after subsetting observations of women aged 15-24 that had pregnancy at the time of and/or three years preceding the survey. Logistic regression model was employed to estimate the effects of identified predictors on unintended pregnancy.

The results show a high level of unintended pregnancy with only 29% of the pregnancies wanted. The level of unintended pregnancy varies by region and some socio-economic variables. Respondents from KwaZulu Natal had the highest percentage (81%) of unintended pregnancy while North West had the lowest at 56%. It was also found that the higher the educational level of the respondents, the higher the incidence of unwanted pregnancy.

Among the respondents using modern method of contraception, 74% reported having unintended pregnancy while the probability of unintended pregnancy was found to decrease with increase in age at first intercourse. Overall, about 69% of respondents
who reported unintended pregnancy had last sexual relation with their regular partners, 21% with marital partners and 10% with casual partners. Using stepwise logistic regression, five critical predictors of unintended pregnancy among South African youth were identified. These are: age group, region, marital status, education and relationship to the last sexual partner.

The findings of this study have implications for reproductive health policies and programs in designing appropriate national programs for reducing the incidence of unintended pregnancy among South African youth. The need for further research into this area using triangulated methodology is recommended.