

AGE AT MARRIAGE AND FERTILITY
(A Case Study of Marbu V. D. C., Dolakha District)

**A Dissertation Submitted to Central Department of Population Studies (CDPS),
Faculty of Humanities and Social Science in Partial Fulfillment of the
Requirement for the Degree of Master of Arts
in Population Studies**

**Submitted by:
Prabha Kala Rai**

**TRIBHUVAN UNIVERSITY
KIRTIPUR, KATHMANDU, NEPAL**

December 2009

RECOMMENDATION

This is to certify that **Prabha Kala Rai** has worked under my supervision and guidance for the preparation of the dissertation entitled **Age at Marriage and Fertility: A Case Study of Marbu V. D. C., Dolakha District** for the partial fulfillment of Master's Degree of Arts in Population Studies. To the best of my knowledge the study is original. Therefore, I recommend it for evaluation to the dissertation committee.

December 2009

.....
Sunil Kumar Acharya
(Supervisor)
Central Department of Population
Studies
Tribhuvan University
Kirtipur

APPROVAL SHEET

This dissertation entitled **Age at Marriage and Fertility: A Case Study of Marbu VDC, Dolakha District** by **Prabha Kala Rai** has been accepted as partial fulfillment of requirement for the degree of Master of Arts in Population Studies.

Approved by

Dr. Prem Sing Bisht
(Professor and Head)

Mr. Ramesh Prasad Adhikari
(External Examiner)

Mr. Sunil Kumar Acharya
(Supervisor)

Dissertation Committee

ACKNOWLEDGEMENT

First of all, I would like to express my sincere gratitude to Dr. Prem Sing Bisht, Professor and Head of Central Department of Population Studies (CDPS), TU, for his valuable comments and suggestion on this dissertation.

I would like to express special thanks to Mr. Sunil Kumar Acharya, Lecturer of Central Department of Population of Studies (CDPS), T.U. for his kind supervision and valuable guidance. I would also like to give thanks to all my respected lecturers and the member staffs of CDPS for their kind help and cooperation.

I would like to give thanks to all respondents and related institutes of the study area for their help during the field survey.

Finally, I would like to extend my thanks to my family members specially, mother Dauli Rai, father Ram Bahadur Rai, husband Dinesh Kumar Shrestha whose patience and support was instrumental in this study.

Prabha Kala Rai

ABSTRACT

This study deals the relationship between age at marriage and fertility in Marbu VDC, Dolakha district. It is based on primary data. The data was collected through the interview with 110 ever-married women of reproductive age group (15-49 years) from 120 households.

Among the total household population, females' population are more than males. The proportion of widowhood and divorced were very low comparing with married. Most of the population aged 6 years and above were found to be literate. A few households had modern toilet facilities. Most of the households had many livestock and poultry and used piped water.

In this study, age at marriage is determined by women' and husbands' education, occupation, religion, ethnicity and social custom and traditions. These also affect fertility directly and indirectly. Among the 110 respondents, literate respondents had higher mean age at marriage and lower CEB than illiterate. Overall, respondents' mean age at marriage was 18.9 years. Occupation also determines the mean age at marriage and fertility. Who were engaged in service had higher mean age at marriage and lower CEB than other occupations. Respondents, who followed Hindu religion, had higher mean age at marriage and lower CEB than Buddhist. There were Newar, Sherpa, B.K. and Magar only. Among them, Sherpa respondents had the lowest mean age at marriage and the lowest CEB. Respondents, who followed arrange marriage had lower mean age at marriage and higher CEB than loved married respondents. Knowledge and use of FP are found to be negatively associated with fertility. Respondents who had knowledge of FP had lower CEB than who hadn't it. Who had experience of using FP had lower CEB than nonuser. Respondents had different complications to not using FP. These determine the CEB. Respondents who were using FP had lower CEB than who weren't using FP. Miscarriage and induced abortion affect the CEB. Who had experience of miscarriage and induced abortion had lower CEB than who hadn't experience of it.

The socio- economic and demographic factors show that the age of women and duration of marriage are found to be positively associated with fertility. Age at marriage is found to have negative relationship with mean CEB.

CONTENT

| | Page No. |
|-------------------------------------------------------|-----------------|
| Recommendation Letter | I |
| Approval Sheet | II |
| Acknowledgement | III |
| Abstract | IV |
| Content | V |
| List of Tables | VIII |
| Acronyms | X |
| | |
| CHAPTER-I: INTRODUCTION | 1- 6 |
| 1.1 General Background of the Study | 1 |
| 1.2 Statement of the Problem | 4 |
| 1.3 Objectives of the Study | 5 |
| 1.4 Significance of the Study | 5 |
| 1.5 Limitation of the Study | 6 |
| | |
| CHAPTER-II: LITERATURE REVIEW | 7- 14 |
| 2.1 Theoretical Literature Review | 7 |
| 2.2 Empirical Literature Review | 10 |
| 2.3 Policy to influence age at marriage and fertility | 13 |
| 2.4 Conceptual Framework | 14 |
| | |
| CHAPTER-III: METHODOLOGY | 15-18 |
| 3.1 Study Area | 15 |
| 3.2 Sampling Design | 15 |
| 3.3 Sources of Data Method | 16 |
| 3.4 Method of Data Collection | 16 |
| 3.5 Questionnaire Design | 16 |
| 3.6 Data Processing and Analysis | 17 |
| 3.7 Selection of Variables | 17 |

| | | |
|-----------------------------------------------------------|-------------------------------------------------------------------------|---------------|
| CHAPTER- IV: DEMOGRAPHIC AND SOCIO-ECONOMIC | | |
| CHARACTERISTICS OF THE STUDY AREA | | 19-26 |
| 4.1 | Age Sex Distribution of the Study Area | 19 |
| 4.2. | Age Sex Ratio | 20 |
| 4.3 | Marital Status | 20 |
| 4.4 | Occupational Status | 21 |
| 4.5 | Educational Status | 22 |
| 4.6 | Household Characteristics | 23 |
| 4.6.1 | Toilet Facilities | 24 |
| | 4.6.2 Livestock and Poultry | 24 |
| | 4.6.3 Sources of Drinking water | 25 |
| CHAPTER-V: DETERMINANTS OF AGE AT MARRIAGE AND | | |
| CHILDREN EVER BORN | | 27- 41 |
| 5.1 | Mean Age at Marriage by Age Group | 27 |
| 5.2 | Mean Age at Marriage by Education | 28 |
| 5.3 | Mean Age at Marriage by Occupation | 29 |
| 5.4 | Husbands' Mean Age at Marriage by Education | 30 |
| 5.5 | Husbands' Mean Age at Marriage by Occupation | 30 |
| 5.6 | Mean Age at Marriage and CEB by Education | 31 |
| 5.7 | Mean Age at Marriage and CEB by Occupation | 32 |
| 5.8 | Husband' Mean Age at Marriage and CEB by Education | 33 |
| 5.9 | Husband's Mean Age at Marriage and CEB by Occupation | 33 |
| 5.10. | Mean Age at Marriage and CEB by Ethnic group | 34 |
| 5.11 | Mean Age at Marriage and CEB by Religion | 35 |
| 5.12 | Mean CEB by Knowledge and Experience of using Family Planning Method | 35 |
| 5.13 | Mean CEB by Current use of FP Method | 36 |
| 5.14 | Mean CEB by Reason for using FP Method | 37 |
| 5.15 | Mean CEB by Reason for no using FP Method | 37 |
| 5.16 | Mean CEB by Age group at First birth | 38 |

| | | |
|------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|
| 5.17 | Mean Age at Marriage and CEB by Type of Marriage | 39 |
| 5.18 | Mean CEB by Experience of miscarriage | 39 |
| 5.19 | Mean CEB by Experience of Induced Abortion and Reason for Doing Induced Abortion | 40 |
| CHAPTER-VI: SUMMARY, CONCLUSION AND RECOMMENDATIONS | | 42- 45 |
| 6.1 | Summary of Finding | 42 |
| 6.2 | Conclusion | 43 |
| 6.3 | Recommendation | 44 |
| 6.4 | Recommendation for further Research | 44 |
| REFERENCES | | 46- 47 |
| QUESTIONNAIRE | | I- IV |

LIST OF TABLES

| | | Page No. |
|-----------|---------------------------------------------------------------------------------------------------------|-----------------|
| Table 4.1 | Percentage Distribution of household Population by Age and Sex | 19 |
| Table 4.2 | Percentage Distribution of the Population Aged 10 years and above by Marital Status | 21 |
| Table 4.3 | Percentage Distribution of the Population Aged 10 years and above by Occupational Groups | 22 |
| Table 4.4 | Percentage Distribution of the Population Aged 6 Years and above by Literacy and Educational attainment | 23 |
| Table 4.5 | Percentage Distribution of Households by access to Toilet facilities | 24 |
| Table 4.6 | Percentage Distribution of Households having Livestock | 24 |
| Table 4.7 | Percentage Distribution of Household having Poultry | 25 |
| Table 4.8 | Percentage Distribution of Households having Sources of Drinking Water | 25 |
| Table 5.1 | Percentage Distribution of Respondents' Mean Age at Marriage by Age Group | 27 |
| Table 5.2 | Percentage Distribution of Respondents' Mean Age at Marriage by Educational Status | 28 |
| Table 5.3 | Percentage distribution of Respondents' Mean Age at Marriage by Occupational Status | 29 |
| Table 5.4 | Percentage Distribution of Husbands' Mean Age at Marriage by Educational Status | 30 |
| Table 5.5 | Percentage distribution of Husbands' Mean Age at Marriage by Occupational Status | 31 |
| Table 5.6 | Percentage Distribution of Respondents' Mean Age at Marriage and CEB by Educational Status | 31 |
| Table 5.7 | Distribution of Respondents' Mean Age at Marriage and CEB by Occupational Status | 32 |
| Table 5.8 | Percentage Distribution of Husbands' Mean Age at Marriage and CEB by Educational Status | 33 |
| Table 5.9 | Percentage Distribution of Husbands' Mean Age at Marriage | |

| | | |
|------------|--------------------------------------------------------------------------------------------------------------------------|----|
| | and CEB by Occupational Status | 34 |
| Table 5.10 | Percentage Distribution of Respondents' Mean Age at Marriage and CEB by Ethnicity | 34 |
| Table 5.11 | Percentage Distribution of Respondents' Mean Age at Marriage and CEB by Religion | 35 |
| Table 5.12 | Percentage Distribution of Respondents' Mean CEB by Knowledge and Experience of using Family Planning Method | 36 |
| Table 5.13 | Percentage Distribution of Respondents' Mean CEB by Current use of FP Method | 36 |
| Table 5.14 | Percentage Distribution of Respondents' Mean CEB by Reason for using FP Method | 37 |
| Table 5.15 | Percentage Distribution of Respondents' Mean CEB by Reason for no using FP Method | 38 |
| Table 5.16 | Percentage Distribution of Respondents' Mean CEB by Age group at First birth | 38 |
| Table 5.17 | Percentage Distribution of Respondents' Mean Age at Marriage and CEB by Type of Marriage | 39 |
| Table 5.18 | Percentage Distribution of Respondents' Mean CEB by Experience of Miscarriage | 40 |
| Table 5.19 | Percentage Distribution of Respondents' Mean CEB by Experience of Induced Abortion and Reason for Doing Induced Abortion | 40 |

ACRONYMS

| | |
|---------|-----------------------------------------------------------------|
| AM: | Age at Marriage |
| B. S.: | Bikram Sambat |
| CBS: | Central Bureau of Statistics |
| CDPS: | Central Department of Population Studies |
| CEB: | Children Ever Born |
| CNAS: | Central for Nepal Asia Studies |
| FP: | Family Planning |
| FPAN: | Family Planning Association of Nepal |
| INGO: | International Non-governmental Organization |
| HHs: | Households |
| MAM: | Mean Age at Marriage |
| MOH: | Ministry of Health |
| MOPE: | Ministry of Population and Environment |
| NDHS : | Nepal Demographic Health Survey |
| NPC: | National Planning Commission |
| NFHS: | Nepal Family Health Survey |
| NFS: | Nepal Fertility Survey |
| NGO: | Non Governmental Organization |
| N: | Number |
| PRB: | Population Reference Bureau |
| SLC: | School Leaving Certificate |
| SMAM: | Singulate Mean Age at Marriage |
| TFR: | Total Fertility Rate |
| UN: | United Nations |
| UNESCO: | United Nations Educational Scientific and Cultural Organization |
| UNFPA: | United Nations Population Fund |