

TITLE: THE SOCIO-ECONOMIC CHARACTERISTICS OF CURRENT CONTRACEPTIVE USERS: A COMPARATIVE ANALYSIS OF NYERI AND SOUTH NYANZA J



- 81-

BY.

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(11)

DECLARATION

This paper is my original work and has not been presented for an award in any other University.

Signed

Date

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This paper has been submitted for examination with m, approval.

Signed.

Prof. WARREN ... ROBINSON

MANIA

DEDICATION:

This work is dedicated to my husband Dr. G.G. Kamau without whose encouragement my academic achievements would never have been the same, and to my children, Christins, Steven, Virginia and Nelson for their patience and understanding. Several people contributed a lot to the completion of

iy d

and valuable suggestions and advice he rendered to me.

assistance they were always ready to offer to us

heartfelt gratitude

My apecial thanks go to Mrs. Kamau for tirelessly typing my work when the time limit was so short.

(v1) ABSTRACT:

is study was set up to investigate how the socio-economic ckground on currently married women influence current intraceptive use in Nyeri and South Nyanza. The characteristics vestigated were wives' education and working status, husbands' lucation and working status. General reasons for non-use were so outlined.

a data used was collected from KOHS (1989).

thed of data analysis included parcentages cross tabulation but a main statistical technique was the chi-square test.

• findings show that women's socio-economic status have greatly fluenced contraceptive use in Nyeri where women are more terate and more independent of their husbands than in South anze where the husbands' socio-economic status seems to fluence the contraception.

the whole Nyeri enjoys a more socio-economic development than with Nyanza whose development lags behind while infant stality, diseases, climate, lack of funds and lack of projects blementations seem to block any attempts to improve the tustion and to raise the level of contraceptive use.

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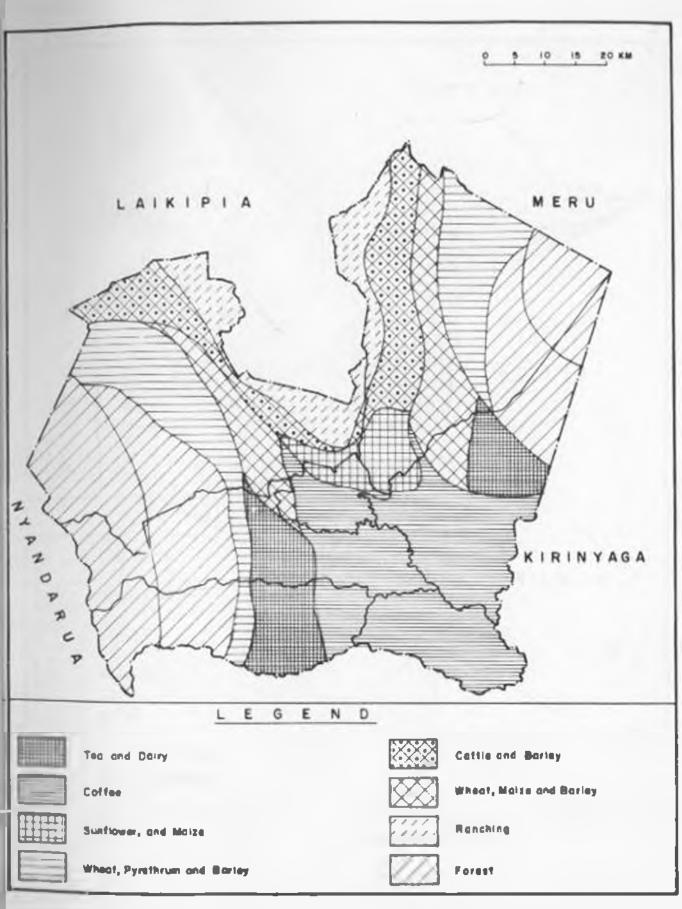


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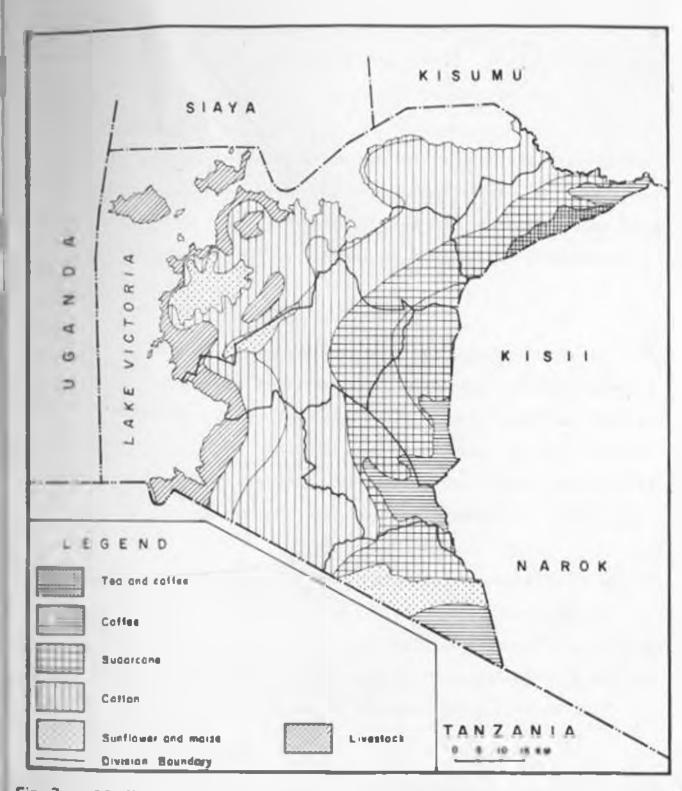


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CHAPTER 1.

1.1 ENTRODUCTION:

The high population growth rate has been one of the major global concerns and especially in the second half of this century. of the fears is that the above problem may eventually lead to a "possible global depletion of resources which sustains mentind , (Omindo, 1984).

It was partly due to the population growth concern that the 1974 UN World Population conference in Buchareot, adopted a World population Plan of Action where governments were advised to integrate population measures and programmes in their nation devolopment plans arguing that population issue shouldnt be ignored as it was interrelated to development.

However, although high population growth is a global problem, it is however more acute in the Third World countries and in particular in Africa where the population is said to have doubled betweer '950-1975. The Natural Rate of Increase (NRI) is said to have reached 2.9% while that of the world was 1.7% in 1979. As for kenys the growth rate is said to be among the highest in the world. Its 1948 census recorded a population of 5.4 million people and by 1969 it had doubled to 10.9 million with an annual growth rate of 3.3%. The 1979 census recorded 15.3 million people with a growth rate of 3.8% thus placing the country the <u>90th</u> position of the most populous in Africa and the 42nd the world, and as if this was not high enough in 1984 the population was estimated to be 20.2 million (CBS 1984) with an annual growth rate of 4.1% (19PF) the highest

This very high population growth was attributed to in health services standards of living and the general decline organizations have been concerned and efforts to far back as the 1950s duri colonial period. In 1957 the first Family Planning Clinic in Kenya for an African clientale was opened and in 1959 the Pathfinder Fund (USA) gave the first overseas grant fo

planning work in Kenya.

In 1961 the Family Planning Associat the following year it was International Planned Parenthood Federation (IPPF).

regulating fertility were in tlated after the country gained independence. In 1955 Geosions' paper No.10, "African Socialism and its implication to noted that population growth had an (mpact i natural resources and development. In the following year (1966)

the Envernment invited a Population Advisory Council Mission to etudy the population mituation in Kenya and to give On the councils recommendation, the National Family Planning Programme (NFPP) was officially started in Kenya in 1967 and it was integrated with Maternal-Child Health.

In 1982 the National Council of Population and Davelopment was ant up to coordinate all family planning programme activities for both government and NGOs. Despite all these activities, the programme has

not made a major impact on reducing the country's ferti Even the attempt to reduce the growth rate from 3.3% in 1975 to 3.0% in 1979 backfired when the growth rate shot up to 4.1% in 1984.

Its because of the above failure of the programme to have made a major impact in reducing the high growth rate that research needed. If the programme is to

Achieve its aims, it is important to investigate why there high knowledge on contraceptives (90% KDHS) And sources KDHS) and yet low contraceptive use.

By study is therefore an attempt to investigate generally why some women contracept while others don't and also to determine the influence of socio-aconomic background characteristics on current contraceptive use.

1 2 PROBLE STATEMENT:

Since the inception of the Family Planning Programme the services and those of most NGOs have been offered free while alot has been done on informing, educating and communicating to the people on the need to regulate the couples fertility. But in spite of all that there is this results to alot of wastage of the government's and donor

1.3 DIUDY OBJECTIVES:

The immediate objectives of this study are:

a). To outline the general reasons that influence some women not to use contraceptives.

b). To outline the fertility levels and trends districts.

c). To investigate the socio-economic differences

the two districts (Nyeri/South Nyanza).

d). To investigate how socio-aconomic factors influence the Current contraceptive use in Nyeri/S. Nyen:a.

a). To provide information to the policy makers and Dianners on the characteristics they should look for when recruiting contraceptive acceptors (i.e. target groups).

STUDY JUSTIFICATION:

the contraceptive use is low among current users (27% 1989 the study on the socio-economic background characteristics the current contraceptive users may be used to develop educational and communicational strategies on which target groups could be recruited.

1.5 STUDY HYPOTHESIS:

It has been recorded that there are positive relationships between the bollowing socio-economic variables and contracept:

100001

a). Wives level of education and contraceptive use:

b). Husband's level of education and contraceptive use.

c). Wife employment status and the contraceptive use.

d). Husband's employment and contraceptive use.

1.6 STUDY METHODOLOGY:

KDHS

The data analysis will include:

1). cross tabulations.

11). Percentages - Chi-square test.

1.7 BCOPE/LIMITATION;

The study will focus on current married woman who are at the risk failing pregnant. All forms of contraceptives will be recognized.

is the basic source of formation, the analysis may lack too detailed information into a national sur involving other topics and marely the one I atudying.

many primerical and includes the second contract of the second contr

1.8 LITERATURE REVIEW:

ntracept whi moonomic character: to montraceptive use.

Several general reasons have been

- 1). Women who are not using the contraceptives do not believe they are at risk of conception.
- They may suspect that they are pregnant.
- Their fecundability is still depressed because of a recent birth or because their husbands are temporary absent.
- v). Some women who want no more children go or having them because their husbands desire more or due to pressure from relatives They found the available contraceptives uneatisfactory.

They disapprove of birth control in general

They may not know any contraceptive method (i.e. lack knowledge). Other reasons could be due to relig ous convictions, alot of time wastage in travelling to the source of the services, etc.

CHARACTERISTICS OF

The property is a second bare are.-

It has been documented that educated women children than the uneducated ones. women are, the 30-34, the total fe

Illiterate women 6.4

With secondary Education 4.0

University 2.7

enlightened them on regulating family sizes.

"The summed light house I have been been and the back of the second

is, Caldwell (1986) found out that, contraception
prectime rose steeply with the level of wives education. He
noted that women with post-secondary and university education had
as high a percentage of contraception as 71% as compared to the
5% of those with no education.

In Theiland, Clelland (1979) found out that women's education was directly related to contraception use which resulted to 7% variance in current use of modern methods of contraceptives.

While perrying out a study in Poland. Mazur (1981) found out that contraceptive use increases with the wife's level of education. He noted that 75% of the married women who cont mecondar, and post secondary education whi primary and primary levels of education.

The same findings about education and contraception were reported by Abdular [1984] after a study in the Caribbeans. He reported bositive relationship between wive's education and contraceptive use which explained 4.3% variance in current use among the exposed women in Guyana.

WIFE EMPLOYMENT USE.

It has been recorded that jobs that take women far from home for long hours are seen to discourage child bearing. Girls then marry late if they are working since their parents see them as economic advantages rather than reliability (Newland, 1977). She

further argued that what employment offers to women is above all a higher degree of control over their own lives ino longer dependent)". She contends that child beering becomes the only fulfilment to all women's needs only in those societies that are isolated. lack of opportunities for remunerative employment and are blocked by illiteracy from contact with the larger so

Caldwall (1988) found out in Ghana [West Africa] that there was a positive relationship between wives occupational statue their contraceptive use.

In Colombia, 62% of employed women were said to be contracepting as compared to 51.7 of the unemployed (U.N. 1979)

HUSBAND'S EMPLOYMENT STATUS AND CONTRACEPTIVE USE.

The above variable is seen by many scholers as an a wife's socio-economic status in any given society. It seen to relate positively to contraceptive use but has been seen to vary with the type of employment of the husband.

Caribbean, there were differential contraception levels due to different types husbands' employment status. He noted that contraceptile use was twong exposed women whose husbands were profess administrators, clerks, etc.

(1975) reported that, in Nigeria, the type of the or residence influenced modern contraceptive use and he recorded

12 the capital, 7% use in urban areas while as low a 0% much ereas. Some findings were reported in an Egyptian sertifity Survey (1983) where 52% of the women who lived in urban ereas were contracepting while only 16% were doing so in the rural press.

Lightbourre (1983) came up with the same conclusion when cerried a comparative study of 19 developing countries. The exposed women in urban areas were reported as having contraception than their counterparts in the rural areas.

In **[Paragua**, Monteitt, (1987) reported that contraceptive users were found among married women living in metropolitan city of Asuncion while only a third of rural women used contraceptives.

The high use of contraceptives in the urban areas may be due to the fact that more women could be working outside home and so breast feed for shorter periods, have short postpartum amenorhes and so substitute with contraceptives.

1.9 THEORIES OF FERTILITY:

It has been documented by scholars that contraceptive use is a function of socio-economic setting, (King 1974) that people to decide on regulating their fertility (domograph change) there must be a change in their economies.

A COMPANY THE MY

who advocate this theory see human fertility more of an (compare process than merely a biological one, this being the rationale behind what is popular known as the 'Demographi Transition Theory'.

It was mibenstein (1958) who advocated the new "amous economic theory" of fertility and in which he argued that parents are rational beings who weigh the direct and the indirect costs of an additional child, that the couple will regulate their fertility if the of an additional child outstrips the benefits.

Since then the theory has emerged in different versions but using the same argument as the one advocated by Leibenstein. Such is the variation by Becker[1960] who stated that fertility is related factors family preferences and

conscious decisions of limiting child bearing. the household income is the one that often determines the lumber of children a couple will have. Becker talked of child quality that parents want to give their children the best they can afford and this may not be possible if they are many hence the need to control the fertility.

on the other hand came up with an aconomic framewor for fertility analysis where he talked about demand and supply of children. In it he mays that if the children's output is

higher than the motivate to control fartility will be low but otherwise then it will be higher. He maintains that demand for children is affected by background characterist religion education, residence, etc. (Easterolin 1978).

In my study. I will adopt the economic theor, of ferti in a part of Demographic Transition Theory as it affirms that planning practice is possible where by there is enough modial and economic development (or changes) because that inly time that people will stop depending on institution.

CHAPTER II.

STUDY METHODOLOGY

In my study, the basic source of data will be the Demographic and Health Survey, from 1989.

In Incol. C 1 . .

The Survey was conducted botween December of 198: Sample was designed to produce completed interviews wi women 15-49 and with a subsample of 1000 husbands of those women

2.2 SURVEY ORGANIZATION:

The KDHS was a national survey that was carried out o, National of Population and Development in collaboration Central Bureau of Statistics and the Institute for Pesource

Development (IRD). The funding was done by the Government of Longe assisted by USAID and IRD . It excludes the entire N.E. Province and the four Northern Districts.

In rural areas the household listings made between 1984/ used to select the KDHS households while KDHS pretest staff were used to relist households in selected urban clusters.

In order to have a sample of manageable size 13 districts out of 32 were selected and these districts were Nilif . Machak Nyeri. Muranga, Kirinyaga, Kericho, Ausi Kisii, Siaya, Kakamega and Bungama. A total of 24 rural cluster IN the MASSEP were therefore selected for inclusion in the KDHS and the reat from

The KOHS had three questionnaires, one on the list households, another on the information from the women aged 15... who ware present on the night before the interview and the third one on the information from

of the interviewed woman thus there were househ.ld/woman's/husband's Questionnaire.

2.3

Its pears' object ver ware.

by the maximum the source of second second have been seen

Kenya.

b) To assist in the evaluation of the population and thealth programmes.

c) To movance survey methodology.

To assist the NCPD to strengthen and improve its technical skills and conduct demographi

health surveys.

SPECIFIC DBUECTINES

- Provide data on the family planning and Fertility behaviour of the Kenyan Population to enable the NCPD to evaluate and enha National Family Planning Programme.
- 11) Hummure the changes in fertility and Contraceptive prevalence and at the same study the factors which affect these changes, such as marriage patterns, urban/rural residence. Availability of contraception, breastfeeding

Market Name

(11) To examine the basic indicators of maternal and child health in Kenya.

2.4 BACKGROUND CHARACTERISTICS OF WOMEN RESPONDENT

9836 Nouseholds were selected for the KDHS and out of the above ids 8,343 were identified as occupied while 8,173 were ostully interviewed women respondents were those aged 15-49 and had spent the night before the interview. Of the elig ble 7424 women 7,160 were successfully interviewed i.e. 96% of the Interview while out of eligible 1,397 husbands 1,118 were interviewed which amounted to 81% response rate.

The KDHS (1989) report is divided into seven chapters Chapter one deals with the background information that a the introduction to the survey. Chapter two deals with nuptiality and covers topi stat. age at marriage/breastfeeding and postpartum inductedtibility.

Chapter three is on fertility where levels, trends, differential

The nex Spector is on and prectises 10 lity prefer number chidren

The other two topics are mortality and health of both mo urvey.

2.5 SUMMARY DE FINCH

It was noted that fertility is declining due to family planning. Currently there were 27% of women who are using contraceptives unlike the 17% in 1984. Abstinence is still the commonest method with some 8% users. Some 2/3 of married women contraceptives are chosing a modern sterilization - 5%, etc).

The survey also noted that knowledge of contraceptives and There is also a higher approval of family planning USE by Ecuples than in KCPS (1984).

It was also noted that the desire to limit childbearing appears to be greater than other countries of Africa. It is alident that Kenyan couples wish to have small family sizes hence the des of ideal family size from 5.8 in 1984 to 4.4 in 1989.

The while also indicated that the guvernment programmee inegits for mothers and children are effective in that 8 out of 10 from mate-matal care while one half of births delivery by qualified staff.

CHAPTER III.

BOUTH NYANZA.

NYERI DISTRICT.

3.1 DELLE-ECONOMIC PROFILE.

BACKGROUND-INTRODUCTICK.

The district covers an area of 3.2845q.km and t is situated intween Mr. Kenya to the east and Aberdares to the west.

Administratively, it is divided into seven divisions

1). Teta

2). Mukurwa ni

2]. Mathira

HE, MANNES-

4). Kient East

5). Kiens West

61. Nyeri Kunicipality

has four local authorities, Nyer 'Cipal Council, Karatina Town ouncil Othaya rban

Its mpograt' varies from 1,800m to 3,000mm above sea level. quarter is flat while the southern part the district has ridges and valley terrains whi interrupted by Tumutumu,Karima and Nyeri Hills. The so generally good for cultivation and grazing. • moderate climate with temperature averaging at 24°C while the rainfall at 1000mm per annum (except in the Xieri d'vision are a bit dry).

Land used Bould be divided into three categories according rainfall matterns, temperatures and soil types.

i). High potential 18,927 ha Medium potential 144,500 ha Margina potential

3.3. DEMOGRAPHIC PROFILE:

The 1969 Dopulation canaus recorded 360,845 people district and in 1979 census, 486,477, this shot up to 687,675 1988. This reflected a growth rate of 3.03% and Dopulation density is 233 persons per sq. km. when the forests and national parks are left out but the densities var The Kienis division have the lowest population density, while is Othaya, Mathira, Tetu and Mukurwei

1.4

characteristics of the district from 1979 census reflects that there are more females than males as shown below.

Malex 23440*

The male "shortage has been explained by their loss the struggle for independence. The effect of th been more female labour force participation and distribution while a social pattern is seen to between the sexes with women generally in Household work as they Consus).

ARE PROFILE

In this district the second seco

1,4 EMPLOYMENT

People are small scale farmers. In 1987 the population Co was matimated to be 272,044 and The Enemployment rate 35% with the rest of the population being in wage employment or in self-employment. Gash props grown are Tea, coffee, pyrethrum, wheat and barley.

3.5 INCOME

ot available but the indicators of the matrict's fair standard of life can be reflected by Harambes contributions that amounted to Sh. 21.9 m ufficient food pr 18 no famine relief programme in Nyeri. However market economic differences in the form of rathe: Dimensitivel, poor divi and Kieni East, Kieni West respectively.

Made afficiency and the stand the second sec

Cooperative societies whose membership the (annual turnout was KSh.363 millions DDP 1984-1988.

The d strict also same a considerable amount of foreign currency There are two national parks name! The Moordaro and Mt. Kenya. There are also spectac. Campaites, sto. In 1987 the Aberdare National Park I, while the not so successful ily Sh.6'050. Mor Darks Ware improved.

EDUCAT

offeri is well served with achools and some are prutifized. Most of the teachers are trained and only 6% are untrained. There are 348 primary schools, 128 secondar 121 youth polytechnics, 2 teachers training colleges and 2 medial schools. The Teacher/student

the district (DDP

S.7 HEALTH:

Regrated Rural Survey of 1983 showed that 12% of households health facilities.

support that the second s

rate is low,40 per 1,000 i.e. 30 infants per 1000 and on the decline. Cases of malnutrition and infant diseases are few. The distr Table i.e.

the state of the second of some of the second second

HEALTH FACILITIES:

INSTITUTIO HOSP. H/CENTRES DISPENSARIES HOMES	GOVT./BEDS 2 /512 9 /118 46	H105/BED 2 /419	PRiv/BE	12
invites.		-	8 21	

Source: M.O.H. (Nyeri).

THE BOCIO-ECONOMIC PROFILE

RACKGROUND INTRODU TION.

The district covers an area of 7,778 so.km of which 2,0645q is water. It is borded by Kisumu/Siaya in the north, Kisii/Narok in the East, and the Republics of Tanzania and Ugans and West respectively. South Nyanza is one of the four of Nyanza Province.

Administratively, namely:-

- 11.
- 2]. Kendu Bay
- 3). Rangwa
- 4). Ronga
- 5). dhiwa
- 6). 8Hbita
- 7). Nigori
- 8). Kehancha.
- 9). Mecarder

ities, South Nyanza County 1, Oyugis Urban Council, Nehancha and Higoris Urban Council, the headquarter is Homa Bay.

S S ECOLOG: 1 LAND USE

mate that is modified a, relief and the influence of the of water in the form of lake Victoria. Temperatures range Rainfall occurs almost throughout with a maximum on the monthe of April and May.

NAME AND ADDRESS OF A DESCRIPTION OF THE ADDRESS OF

and he want to the set of the constraint and it may be a set of the part of the set

medium and lower zones.

grown are Arabica coffee,

4.0 DEMOGRAPHIC PATTERNS;

census recorded population of 817.601 people and the conclust or was estimated to be 1.240,428 people. Most of the concentrated in Oyugis. Higori and Rongo. The overal' was estimated to be 217 persons par sq.km. A. . _ ECONOMIC PROFILE;

The district is predominately an agricultural one but fisheries also plays a significant role.

E PLOYHE', T

In 1988 the estimated labour force was 579113 or 47.1%. Nore 7,000 people employed by public sector excluding the Desche 5 while firms e.g. banks and factories. Employment in the agr metter is the largest with 448,481 people.

4.2 INCOME.

Downer, many people derive their income from farming espec oduces the excess food (e.g. maize) is sold to Cereals and Produce Derig

Table 1:b.

E BY NATIONAL CEREALS PRODUCE BOARD.

1981/82	1992/83	1983/84	1984/85
28351230	43370210	50706782	39723096

Source: District Data Handbook (RPD 1984).

1.1

ny farmers and fishermen have joined Cooperative Societies, ore are 97 registered societies but only 66 are active while the rest are either dormant or liquidated. 14 fisheries peratives with over 4000 members are said to be active but little is known of their activities as its members are filiterate. However, fisheries offers full time employment 25,000 fishermen. More revenue could be derived if cold storage and marketing facilities were offered.

Little revenue is derived from tourism industry because there goads while the area is

4.3 EDUCATION:

Schools 1,255 primary 118 secondary schools but there is a problem of enrolment as only 15% of those eligible join secondary schools. Folment is poor. The literacy rate is 35% and the rest do not now how to read and write while almost half of the teachers trained.

4 4. HEALTH:

this district there is still a lot to be desired. The district has two hospitals and 96 health/centres but the services offered are inadequate due to general 'ack of enough staff, equipment and

Manager, Andrews Statistic Local Concelling, Annual Society of Concelling

pplies. According to 1983-1988 development plan, only 30% of e population had access to health facilities. Also there is r mobile clinic services. The district suffers high infant rtality L.'6 per 1,000). Mainutrition is prevalent with over tox of children being seriously mainutrited and 63% cf children wing at one time suffered from the same problem.

Due to problems of water supply and gameral poor envi diseases such as vector bone (diarrhose, cholera, typhoid etc) are common. It is also a Malaria Zone and 90% of the population suffer from the disease.

4.5 SOCIO-ECONOMIC DIFFERENCES IN THE TWO DISTRICTS

The two districts vary in size Nyeri two. But when one compares the socio-sconomic profiles of the two districts one doesn't really come up with many reasons (causes) for the two districts differences. This is because the two are predominantly agricultural and also practise animal abandry. In the two districts the climates and soil and rains allow productive farming and keeping of districts also grow cash crops from where most farmers derive

Spite the above sources, Nyeri seems to be far more developed of socio-economy. One of the indications is the rambee contributions that amounted to XSh.21.9 million in Nyeri in 1988 a factor that is missing in South Nyanza. The fact that ch an amount was contributed by the people indicates that people's standard of life are fairly high.

difference in the two districts in education. In South Nyanza the literacy rate is only 35% while that one of Nyer' is well above 40%. From the Districts Development plan (1984-88/90-93) we note that in both districts. primary enrolment is well represented probably because it is free but when it comes to secondary education. South Nyanza is under represented as only 15% of those eligible enrol while Nyeri is well represented at both the two levels.

It is also interesting to

Nyanza remains are more common than men and yet in South Nyanza women are poorly represented in schools. This may explain partly the high infant mortality rate in that district. documented that mortality rate in South Nyanza increases from 21% of all children under 2 years to 25% of children whose mothers have received no education to 24% where mothers recieved only primary education.

When the two districts health facilities are compared, we find that South Nyanza is poorly served while its hot and wet climate, shortage of water supply and generally poor environmental eanitation and cleanliness have given way to diseases such as melaria (90% of population), vector borne (diarrhoea, cholera, yphoid) etc. It is recorded that only 30% of the population has

access to health facilities in South Nyanza while in Nyer over 12% of the households were just 12km, 21% within 5 km and 76% netweer. Or rura' health facilities (DDR 1984-88). Nyeri also greatly benefits from the Provincial General Hospital that is situated in the district and also from 2 mission hospitals. Health Centres and nursing homes. The mobile clinic services are iso availab's 240 times in a year unlike South Nyanza where lack of personne', staff houses, equipment and all weather roads have hindered the population from acquiring health facilities. It is therefore no wonder that infant mortality rate is among the highest in the republic 210 per 1000(CBS). Malnutrition is also

as of all children having at one time suffered from On the other hand Nyeri infant mortality was estimated at 40 per 1.000 (KDHS.

1989) while cases of mainutrition are quite minimal and the immunization programme is quite successful in the area.

As for income we note that the highest percentage of the Bopulation in both district rely on farming but data on how much is derived from that variable is not available. (small holders) join the cooperative societies and of the two districts. Nyeri had a higher annual turnover of KSh. 363.202.000 but that one of South Nyanza has not been reported even though 97 societies have been registered. Of those 86 societies are active. 15 are dormant while the rest are liquidated. There are lso 14 fisheries cooperatives with over 4000 members but nothing 18 known about them.

Nyer' district enjoys a bit of revenue from tourist industry as it has spectacular waterfails scenaries and wild animals that attract tourists in the two national parks (Aterdares and Mt. In 1987 the Aberdare National Park realized Ksh.5.7 million. However, S. Nyanza has only one national park Ruma which hardly brings in revenue due to the poor roads to the par and also prevalence of Tse Tse files.

There are also differences in implementation and management of projects in the two districts. One notices that while in Nyari

denis formation of the second second limit and the local second sec

in South Nyanza be it as it may be that funds are also a problem. A good example is where an alretrip had been proposed to be built near the national park but it was nover done. Water projects are a Bo a failure to insufficient survey and social service. projects were not implemented though the funds had beer released

A Dark stands of the second se

Constructed.

More revenue could be realized in South Nyanza if priority to coolers and transporting facilities for milk and fish were imporved in South Nyanza. On the other hand, Nyeri seems to have fairly good roads apart from the two Kieni divisions that are ease populated than the other divisions. So when the two districts are compared socio-aconomically, Nyeri district assess

CHAPTER IV.

ANALYSIS + FINDINGS. 4.1 INTRODUCTION:

Wh 'e percentages will be used the main method of analysing data will be the chi-square test.

The thi-square is used to test whether there exists a significant relationship between variables. The principle use of X^2 is for Hypothesis (H_a), that relationship between two nominal variables. Formula for X^2 is = E (O-E)² Where:

o (=) number of observed values.

E (=) Number of cases one expects for that cell there were no relationships between the variables in that cell. To determine whether the values of x^2 is significant, we first calculate the degrees of freedom (D/F). This is got by the calculating the following df=(r-1)(c-1) where:

r(=) rows

EERTILITY & CONTRACEPTIVE PRACTISE IN NIERI/S. NIALTA_ 4.2 IN RELATION TO SOCIO-ECONOMIC CHARACTERISTICS The two districts have distinctive fertility and contraceptive use differences.

As noted in KDHS (1989) Nyeri has 41.2% contraceptive users while S. Nyanza has 5.9% only although there are 83.3% currently married women in S. Nyanza while Nyeri has only 64.8%.

From KDHS (1989) it is also noted that the mean ideal number of probably because polygamy is more practised there than in Nyari. But interesting enough, is that both districts have an average number of children of 4.

prevalent (14.3%) in Nyeri while in 5. Nyanza it the

ALC: NO DESCRIPTION OF A DESCRIPTION OF

Figure a.

NYERI

Age	Births
15-19	
20-24	329
30-34	282
	137
40-44	75
45-49	

"otal Fertility rate 6.3

From the above table we that the TFR in Nyer1 1s 6.3 (total births a woman would have 1f she reached age 60 and continued the

childbearing performance) - Age group 20-24 18 the most productive followed by, 25-29/30-34 respectively.

SOUTH NYANZA .

F	lgure <u>b</u> .
Age	Fertility Rates (ICDHS 1989
Age	Births
15-19	228
20-24	451
25-29	
	245
35-39	
40-44	109
45-49	48

Total fertility rate

As can be seen from the tables S. Nyanza district has a higher fertility (TFR: 8) than Nyer1 (with 6.3) but the most fertile or it is the same (20-24 age) followed by ages 25-29/30-34/35-

14. Web Alter Many Deg. 10 Photostick and Annual Television and and

districts: S. Nyanza group doubles that of Nyeri in births meaning that probably women in S. Nyanza engage in reproductive performance earlier than those in Nyeri.

Women who approve of family planning are more in Nyeri (92.7% than in S. Nyanza 87.5 (KOHS 1989). The same trend was noted among huabands in the two districts while 48% of those huaband respondents approved of family planning in Nyeri only 26.4% did so in South Nyenza. The rest either didn't know (42.9%) or disapproved.

NYERI

Table 2.a. Current users and the number of children at 1st use N. Method Trad. Method Modern children

				16
2				
			4	
	4			
			3	
6				2
7			4	
10				
Total	25	3		49
DF=(r-1)	(c-1) =>(11	-1)(3-1)		
(Missing)	abba a sua bita.			

(Missing observations ware

X² = 37.89022.

Using 0.05 as the level of significance the table value 1 31.410.

31.4°C (table value) 18 ((less 37.89022. We accept the users in Nyer: and the number of children at 1st use. Table 2.5. Current users and the number of children at first use

No. of Ch.	No Method	Trad.	Hodern	Total
				2
			1	

M165100 observations were 315 so the above number ... respondents 14, may not give a true relationship of the above variables.

However when the Null Hypothesis tested twis noted that i

wie e a lignifilant relationship was noted.

NYERI.

Table 3.a. Current use by method type in relationship to number of living children.

	No. Method	Trad.	Modern	
Children				
	37	4		
			12	
	23			
4		đ		
	20	1		
			10	
	9			
1.1				1
12				
13				
Total		22		
			26.	
X ² = 74.339	02.			

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The value of X' from the table using 0.05 level of significance is 38.885, since the table value is 74.33902 (C.V), we accept the H₄ that there is a significant relationship between the number of living children and contraceptive metod type in Nyeri district is also noted people with no living children rarely

Use of modern contraceptive mothode is on the increase (26.8%) in Nyeri.

SOUTH NYANZA:

Current contracepti of living children. No. of living No. Method Trad.

	1	
42		
30		
20		

ACCORDENCE AND A REPORT OF A REPORT OF

The value of X² (at 0.05 level of confident) from the table is 33.924. Since 33.924 > 22.52385 we

accept the H₀ hypothesis that there is no significant relationship between current use by method type bythe number of living children in South Nyanza whether one has many or few living children.

Unlike in Nyeri where use of modern contraceptive is increasing (26.8%) in South Nyanza has low rate of 3.34%.

Table 4.a. The relationship between level of education and respondents (women) current use of method type.

No metho	d Trad	Itional	Hodern		
Secondary	1.9	1			
Other					

 $Df = 6, x^2$.36907.

Table value is 12.502 using 0.05 as the 'eve' of algrificance. Since 12.592 >(greater) than 1.36907 we note that there is no significant relationship between respondents level of education and current contraceptive use. Since the contraceptive use and literacy rate are low in the district this may explain why education has not made an impact in the fertility regulation.

NYERI :

The relationship between the level of education respondents current use.

	No method	Traditional	Nodern	Total
Primary	147		53	
Secondary	66	9	31	
University	2		3	
Other	1			
Total	2	16		

 $Df = 6, X^2 = 6.81245.$

Table value 10 12.592 when 0.05 as a level significance.

NYERI:

The relationship between husband level of education and current use by method.

		Tradi	tional			
No. Educ.				5		
Primary		2			28	
Secondary	5	6		13	24	
				-		
Total		24	8			
NB: <u>(Hissi</u>	na Obeery	AL IONS	294).			
Df = 6,	X ² = 1	0.47446.				

Table value using a 0.05 level of significance is '2.592. 12.592 > 10.47446 and as we accept H_a that there is no mignificant relationship between level of husbands education and current use of contraceptives by method in the district. SOUTH NYANZA

The relationship between husbands level of education and current contraceptive use by methods.

No Method Traditional

NB: Number of missing observations 270.

D7 = 6 16.68813.

4

12.59. 16.68513, we note that there is a significant6 re attonship between husbands level of education and current contraceptive use unlike in the case of Nyeri where husbands education 'eve is seen not contraceptive use.

The Real Property Law Concerns and Street Property of the second statement of the Real Property of the Street Prop

The same trend was indicated when the relationship between husbands education and the No. of children at first use. "yer! there is no significant relationship between the two variables but in South Nyanza husbands level of education is eeen to related significantly to the number of children at the 'st use.

NYERI.

Currently use by method type and respondents women currently working.

	No method	Traditional	Hodern	
Not working	217	1.4		
Working	15		15	
Total			94	348

d/f = 2, X² = 21.82858.

And the Property of the second s

that there is a relationship, and if the 0.05 level from the table is used to show the level of significance, then the 0.05 level of significance is 5.991.

H_a is accepted ' the tab's value is greater than the calculated value and is rejected if vice versa. <1.02657 So we reject the H_a null hypothesis). - a positive relationship between the use and currently working women in Nyeri.

S. NYANZA.

Currently use by method type by respondents (wome currently working.

	No method	Traditional	Modern	Total	
Nat working	294				
Working					
Total	309		11		
Df = (r-1) (c-1) = 2				

The value of X² (at 0.05 significance level) from the table is 5.991.

5.991 (table value) > 4.41493 (calculated value) and so we accept the H_a hypothesis that there is no significant relationship between current users and their working status in S. Nyanza D strict.

So when comparing the two districts, we note that currently unlike in Nyanza where working status made no difference to the use of contraceptives.

NYERI:

		Traditional		
			4	
Clerical			1	
Sales				
Agr. Employed				
Household/				
Skilled				
	24			

The value from the table using a 0.05 level of significance is 12.54652 therefore we accept the hypothesis H_o that is no significance relationship between husband's occupation and current use by method type.

The above table may not represent a true picture of the above relationship as there were 294 missing

SOUTH NYANZA.

Table 7.b. The relationship between husbands occupation current contraceptive by method type.

Occupation	No method	Traditional	Modern	
Prof/Tech	2		2	
Clerical				
Sales			1	
Agr.Self-emp				
AgrEmployee				
Household/Dome	s			
Skilled manual				
	4			
	49			

REAL REPORTS AND ADDRESS OF THE REAL PROPERTY AND ADDRESS ADDR

The value from the table using a 0.05 level of significance is 23.685, and 23.685 < 28.10078, so accept the H_0 hypothesis that ...ere is a significant relationship between husband's occupation and current contraceptive use by method type.

The above may not be a true <u>Dicture as there were 270</u> missing observations)

NYERI:

The relationship between husbands education level and the number of children at first use.

•	0		2		4	Never used	Total
No education		2					
Primary		14	4		42	35	
Secondary							
Higher							4
Don't know				1	4		
Total	14			15	75		

Table value using .05 level

Since 31.410 > than 29.11755, we concluded that in Nyeri the husbands educational leve and the number of children at first use are not significantly related. This means husbands in Nyeri

SOUTH NYANZA:

The relationship between husbands education level and the number of children at first use.

		1			4	Never used	Total
No education	1		2		1	45	50
			1	2			149
Secondary				4		56	
Higher			1			2	
Don't know						15	
Total			6			247	

 $Df = 20 \quad X^2 = 36.64618.$

Table value using a 0.05 level of significance is 31.410, and 36.64618 so we note that there is a significant relationship between education level of husbands and children at first use in S. Nyanza unlike in Nyeri. But it is also interesting to note that while the number of those who have never used contraceptives is low in Nyeri 33%, in S. Nyanza, the number is quite high 84%.

to be better off than South Nyanza.

CHAPTER V:

SUMMARY OF THE FINDINGS:

5.1 CONCLUSION:

compared and how they influence contraceptive use and fertility. . is clear that in Nyeri the high contraceptive use (41.2%) is influenced by womens socio-aconomic independence (DDP 1984-1988), unlike South Nyanza where husbands socio-aconomic variable influence contraceptive use more heavily.

The other interesting thing is that Nyeri women seem to favour steri ization as a method of contraception (14.2%) while those in South Nyanza favour period apatimence (1.8%).

Another interesting thing is that while in Nyeri, current use and the number of living children are significantly related, the opposite is the case in S. Nyanza, where we would expect people to contracept only with the assurance of the number of living children as infant mortality rate is high (215%).

In the study it was also noted that education level among Nyeri/South Nyanza women doesn't influence contraceptive use. However since literacy rate is low in S. Nyanza (35%) and aspecia ly among women, this may explain the low contraceptive

District. As for Nyeri where literacy rate is high, In Intive use is high, we can assume that Nyeri woman Contracent regardless of their lave of education.

working status of Nyari women influences contraceptive use unlike in South Nyanza probably because in the latter there are few working women.

In conclusion, I fee' that socio-economic characteristics influence contraceptive use and especially among women whereb; the case study of Nyer's shows that women developed an independent of life due to male loss" during the Nau Mau Rebellion. seen to give women a chance to participate in labour force in occupations and in developing a "new pattern of relationship between the sexee." (DDP 1084-88) and an reased independence of women inthe household work.

RECOMMEDATIONS:

study, it was noted that while there is high contraceptive use in Nyeri, the opposite is the case in South also clear that literacy rate is low while the diseases and shortages of health services are prevalent the distr ct also lags behind in terms of socio-economic development

My recommedations are that in order to raise the level of contraceptive use in South Nyanza, family Planning Services should be made more available to the people but most of all more health facilities should be provided to the people. The

Government should seriously look into the infant mortality problem as it is quite acute in this district as it has already been pointed out.

South Nyanza and especially in the field of education so that they can raise their standard of living and also learn hygiene and nutrition because these are important in child rearing.

Lastly, more research should be done in the two districts so as me up with any underlying causes to low contraceptive use oth Nyanza and the extent to which women's socio-sconomic Japandance in Nyeri has played to contraceptive use as the

ontraceptive use in Nyeri (while it does in S. Hyenza).

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