



PATHWAYS
MEANINGFULLY ENGAGING COMMUNITIES

LAIKIPIA COUNTY

OOP SURVEY

REPORT

SUMMARY

**“We are a policy and accountability think tank;
meaningfully engaging communities on
Population, Health, and the Environment.”**

Pathways (PPI) works to provide a safe space for advocates and communities to meaningfully influence public health, environmental and Sexual and Reproductive Health policies through research, training, and capacity strengthening.

Pathways (PPI) believes that as we head towards 2030, policy engagement has to shift into new and innovative ideas as we aim to realise evidence-led decision making for Primary Health Care.

Acronyms

FP:	Family Planning
KHIS:	Kenya Health Information System
KHSSP:	Kenya Health Sector Strategic & Investment Plan
KIS:	Key Informant's Survey
LHS:	Laikipia Health Service
MCH:	Maternal Child Health Unit
NHIF:	National Health Insurance Fund
OOP:	Out of Pocket Expenditure
PPI:	Pathways Policy Institute
SDGs:	Sustainable Development Goals
SRH&R:	Sexual and Reproductive Health and Rights
SRH:	Sexual & Reproductive Health
WRA:	Women of Reproductive Age

Introduction

The survey sought to determine the Out of Pocket Expenditure (OOP) incurred by Women of Reproductive Age (WRA) in the Country (Kenya) by assessing:

- The Family Planning (FP) services offered in the hospitals,
- The number of WRA visiting hospitals for FP services,
- The cost of FP services thus expenditure incurred by WRA,
- The mode of payment (Cash, NHIF or other insurances),
- The revenues earned from rendering the FP services, and
- The per capita cost in accessing FP service in various hospitals.

The survey's primary data was obtained from the hospitals' Kenya Health Information System (KHIS) records. Additional information on the cost of services and mode of payments was obtained from the hospitals' records personnel and/or accountant.

The survey also undertook a Key Informant's Survey (KIS) with preset questions to obtain general information on the delivery of FP services as well as interrogate some observed trends in the primary data collected.

This survey reviewed hospital data on FP services for 12 months during the financial year from July 2020 to June 2021.

The survey collected data from three hospitals in Laikipia County as shown in the table below with their different classifications.

Table showing the Hospitals surveyed in Laikipia county

Hospital Classification	Laikipia county
Level 4	Laikipia Health Services Nanyuki
Level 3	Laikipia Health Services Nyahururu
Private hospital	Nanyuki Cottage Hospital

Laikipia County Survey Analysis

Introduction

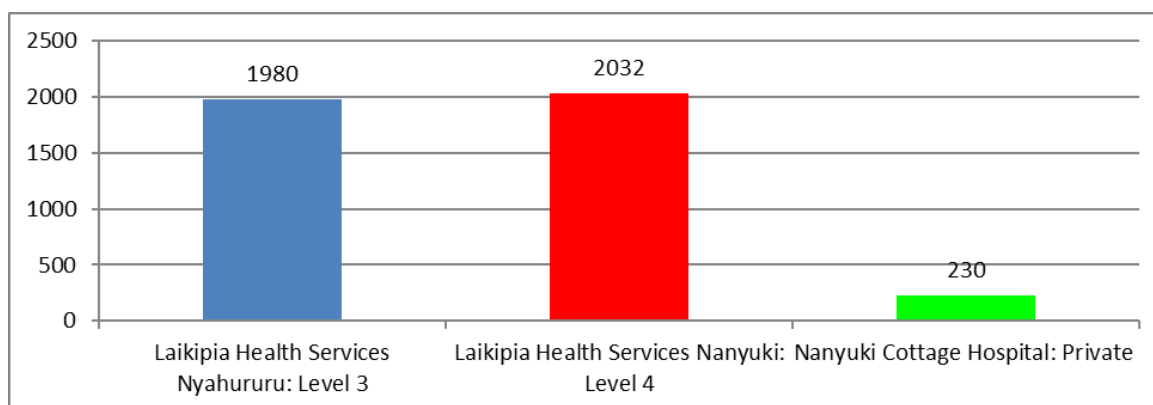
This section presents data in form of figures, tables and narrations. The data presentation tries to capture the survey's outlined targets including;

1. The number of WRA visiting hospitals for FP services,
2. The FP services offered in the hospitals,
3. The cost of FP service thus expenditure incurred by WRA,
4. The mode of payment (Cash, NHIF or other insurances),
5. The revenues earned from rendering the FP services, and
6. The per capita cost for WRA in accessing FP service in various hospitals and Counties.

Visits for FP service in the three hospitals located in Laikipia County

The number of visits for FP services in the three hospitals located in Laikipia County is given in the figure below. In Laikipia County, Laikipia Health Services Laikipia has the highest number of FP service visits at 2032 followed by Laikipia Health Services Nyahururu with 1980 visits for FP services. Nanyuki Cottage Hospital has the least number of visits at 230 FP service visits.

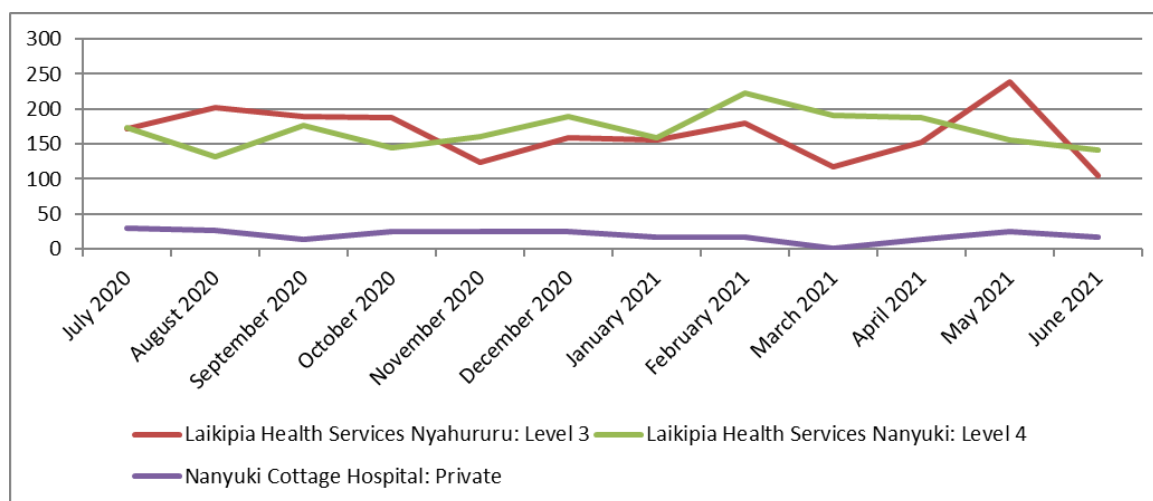
Figure showing total Visits for FP Service in the Three Hospitals located in Laikipia County



Visits for FP service in the three hospitals located in Laikipia County

The figure below gives the trend of hospital visits for FP services in the surveyed hospitals during the 2020 to 2021 financial year.

Figure showing trend of visits for FP services during the survey period.

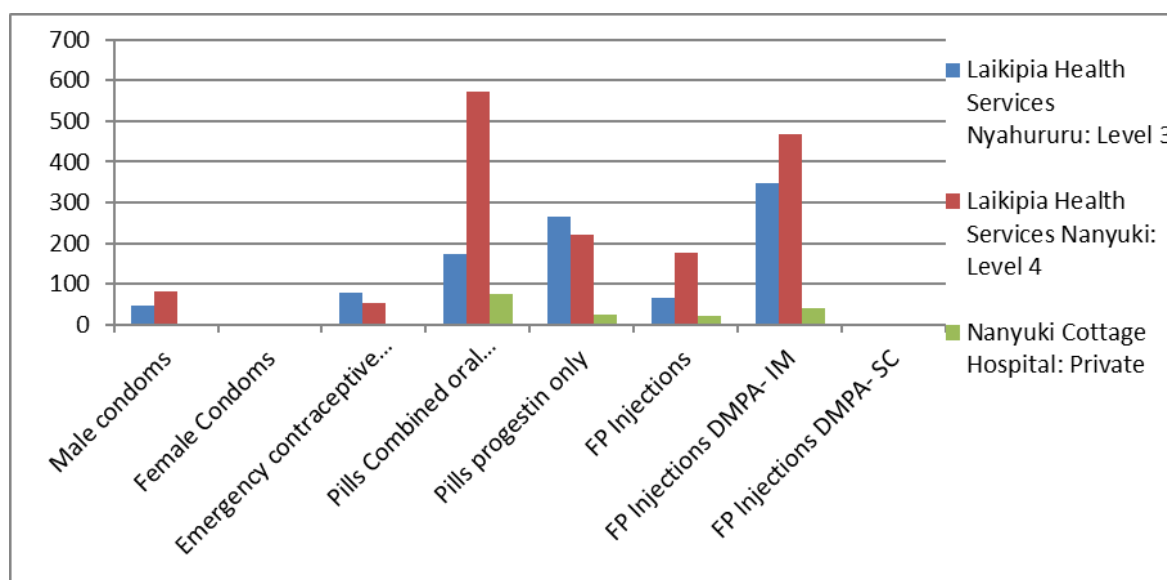


The trend for hospital visits for FP services in Laikipia Health Services Nyahururu and Laikipia Health Services Nanyuki seem to be at par with minimal variation over the survey period. The slumps and some of the variations are attributed to supply of FP service commodities and changes in FP methods opted by the WRA. The trend for FP service visits at Nanyuki Cottage remains lowest throughout the survey period mainly because of the cost of the FP services in the facility. See figure above.

Visits for Short-term FP services

In Laikipia County the short-term FP services offered include Male Condoms, Emergency contraceptive pill, Pills combined contraceptive, Pills progestin only, FP injections DMPA-IM. The survey observed that FP injection DMPA-SC is not in supply in the hospitals. The figure below shows the short-term FP services offered and access in the three hospitals located in Laikipia County.

Figure showing Short-Term FP Services Offered in Laikipia County

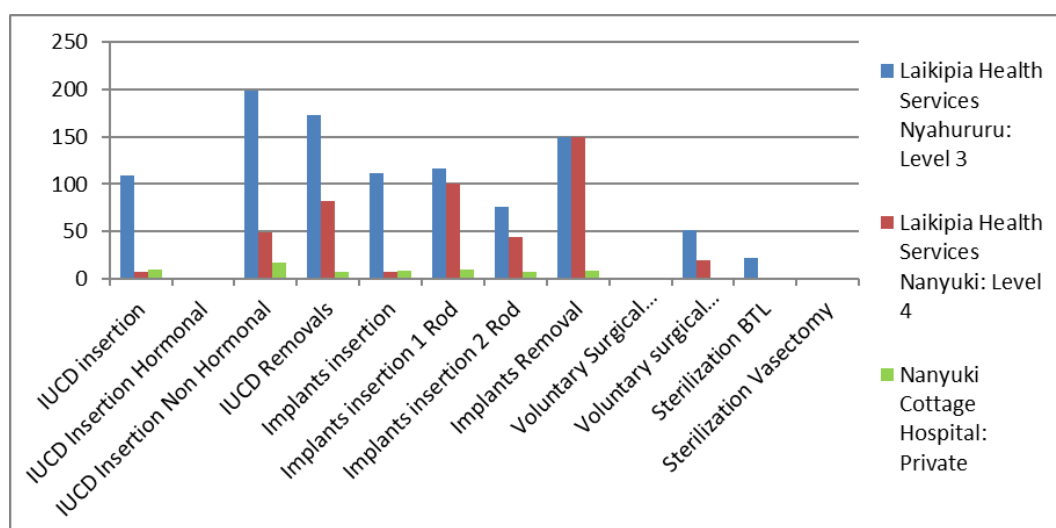


From the figure above the FP service with the highest number of visits is pills Combined Oral Contraceptive with 573 visits observed at Laikipia Health Services Nanayuki. The second highest accessed service is FP injections DMPA-IM with 467 visits observed at Laikipia Health Services Nanyuki. The WRA accessing Progestin only pills are 265 observed at Laikipia Health Services Nyahururu higher than that observed at Laikipia Health Services Nanyuki at 221 visits.

Visits for long-term FP services

In Laikipia County, the Long-term FP services offered include IUCD insertion Non Hormonal, implant insertion 1 rod and 2 rods and surgical BTL. Figure 2 below shows the long term FP services offered in the three hospitals located in Laikipia County.

Figure showing Long Term FP Services Offered in Laikipia County



Long-term FP services with the highest access number in Laikipia County include, IUCD insertion Non Hormonal in Laikipia Health Services Nyahururu with 199 visits, implants insertion 1 Rod in Laikipia Health Services Nyahururu with 116 visits and at Laikipia Health Services Nanyuki, implants insertion 1 Rod has 100 visits.

The survey observed that in Laikipia Health Services Nyahururu there are more visits for long-term methods compared to those at Laikipia Health Services Nanyuki. This is the case because of the demographic composition of the population living around Nanyuki and Nyahururu. In Nanyuki the population has a high number of young women who are not in long-term commitment relationships while, in Nyahururu the women are much older and in longer-term commitment relationships within a family setting. Women in long-term commitment relationship engage in long term family planning since they are more inclined to manage the number of their offspring's with little fear of delaying return to fertility. For the case of the young women in urban area they are likely not in a long term commitment relationship and since they may have concern for delay in return to fertility, they opt for short-term FP services.

Cost of FP Service and Hospital Revenues

The information gathered on the cost of FP services for surveyed hospitals in Laikipia County is given in table below. The survey gathered that all FP Services in both the public and private facilities attract a fee in Laikipia County. The survey observes that the public facility have a standardized subsidized fee for the FP services and where a different price is charged the variation is minimal. Compared to the fee charged by the private health facility surveyed (Nanyuki Cottage Hospital), the cost of the FP services in Laikipia's public health facilities is significantly low. The highest fee charged for FP services is Ksh. 500 in the public facility while in the private facility is Ksh. 3000. See table below.

Table showing Cost of FP Services for Surveyed Hospitals in Laikipia County

Methods	Laikipia Health Services Nyahururu: Level 3	Laikipia Health Services Nanyuki: Level 4	Nanyuki Cottage Hospital: Private
Emergency contraceptive pill	0	0	400
Pills Combined oral contraceptive	30	100	400
Pills progestin only	0	100	400
FP Injections	350	100	500
FP Injections DMPA- IM	350	100	500
FP Injections DMPA- SC	350	350	500
IUCD insertion	350	350	2500
IUCD Insertion Hormonal	350	350	2500
IUCD Insertion Non Hormonal	350	350	2500
IUCD Removals	200	350	2000
Implants insertion	100	300	2500
Implants insertion 1 Rod	100	300	2500
Implants insertion 2 Rod	100	300	2500
Implants Removal	500	500	3000
Voluntary Surgical Contraception Vasectomy	0	0	
Voluntary surgical contraception BTL	0	0	
Sterilization BTL	0	0	
Sterilization Vasectomy	0	0	
Other Charges			
Card Registration	150	200	
Card Renewal	50	100	
Consultation fee			1000

From the survey data it is observed that the public facilities also charge a card registration fee of Ksh.150 at Laikipia Health Services Nyahururu and Ksh. 200 at Laikipia Health Services Nanyuki. On the other hand in the private facility (Nanyuki Cottage Hospital), there is a service access fee (Consultation fee) of Ksh. 1000.

Hospital Revenues

From the table below, the survey observes that in Laikipia County, Nanyuki Cottage Hospital has the lowest total revenue from FP services; Ksh. 239,300 despite the high charge for their FP services. The two public health facilities surveyed earned Ksh. 397,060 for Laikipia Health Services Nyahururu and Ksh. 312,000 for Laikipia Health Services Nanyuki during the 2020 to 2021 financial year. The higher revenue observed for the case of these two public health facilities is attributed to the higher number of WRA accessing FP services compared to the numbers in Nanyuki Cottage Hospital.

Table showing the FP services revenues by surveyed hospitals in Laikipia County

	Laikipia Health Services Nyahururu: Level 3	Laikipia Health Services Nanyuki: Level 4	Nanyuki Cottage Hospital: Private
Emergency contraceptive pill	0	0	400
Pills Combined oral contraceptive	5,160	57,300	30,000
Pills progestin only	-	22,100	10,400
FP Injections	22,750	17,800	10,000
FP Injections DMPA- IM	121,450	46,700	20,500
FP Injections DMPA- SC	-	-	-
IUCD insertion	38,150	2,450	25,000
IUCD Insertion Hormonal	-	-	-
IUCD Insertion Non Hormonal	69,650	17,150	42,500
IUCD Removals	34,600	28,700	14,000
Implants insertion	11,100	2,100	20,000
Implants insertion 1 Rod	11,600	30,000	25,000
Implants insertion 2 Rod	7,600	13,200	17,500
Implants Removal	75,000	74,500	24,000
Voluntary Surgical Contraception Vasectomy	-	-	
Voluntary surgical contraception BTL	-	-	
Sterilization BTL	-	-	
Sterilization Vasectomy	-	-	
Total	397,060	312,000	239,300

From the table showing the revenues earned by surveyed hospitals in Laikipia County, Laikipia Health Services Nyahururu has the highest revenue compared to Laikipia Health Services Nanyuki. The difference is attributed to in part, the number of visits and the cost of the services. The survey also notes that, where the cost of FP services is significantly low, more WRA will opt to go for the FP services.

For the case of FP Injections DMPA- IM, Laikipia Health Services Nyahururu charges Ksh. 350 while Laikipia Health Services Nanyuki charges Ksh. 100. As a result Laikipia Health Services Nanyuki recorded a slightly higher number compared to Laikipia Health Services Nyahururu. This low cost will however affect the hospital revenues as the survey notes that Laikipia Health Services Nyahururu earned a revenue of Ksh. 121,450 from provision of FP Injections DMPA-IM, higher than Ksh. 46,700, that Laikipia Health Services Nanyuki earned in the 2020 to 2021 financial year. *See cost and revenue tables above.*

Average Cost Paid Per WRA Accessing FP Services In Laikipia County

The average cost is obtained by the formula below:

$$\text{average Cost} = \frac{\text{Total Hospital Revenue}}{\text{Total Number of visits}}$$

Table showing the average cost of FP services in the three survey Facilities

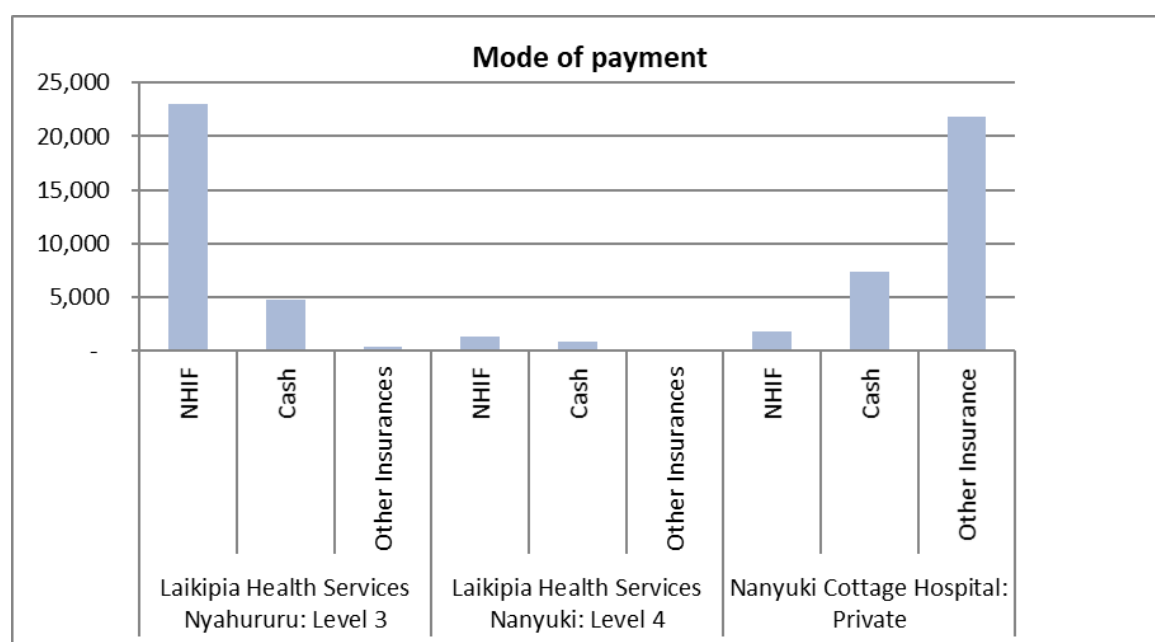
Facility /Hospital	Revenues	Total Number of visits	Average cost per WRA
Laikipia Health Services Nyahururu	397,060	1980	200.54
Laikipia Health Services Laikipia District	312,000	2032	153.54
Laikipia Cottage Hospital	239,300	230	1040.43

Laikipia Cottage Hospital has the highest average costs also termed as the per-capita cost for WRA accessing FP services among the surveyed hospitals. Between the two public facilities, Laikipia Health Services Nyahururu has a higher per-capita cost when compared to Laikipia Health Services Nanyuki. The higher average cost per WRA at Nyahururu is attributed to the lower number of women seeking FP services, the demographic composition of the population living in the area and to a small extent the cost charged for accessing FP service in the facility.

Mode of payment (Cash, NHIF or other insurances)

The survey sought to assess the mode of payment used in the survey hospitals. The distribution between the modes of payments used in the three hospitals surveyed in Nanyuki County is given in figure below.

Figure showing distribution for mode of payment



The highest utilization of NHIF as a mode of payment is observed in Laikipia Health Services Nyahururu at 23,066 followed by Nanyuki Cottage Hospital at 21,880. There is low use of NHIF as a mode of payment in Laikipia Health Services Nanyuki.

Conclusion and Recommendations

Summary of method mix and preference by WRA

- The highest accessed short-term FP services are FP injections (FP injection DMPA-IM) and Pills combined oral contraceptives. Long-term methods with the highest visits are IUCD insertion Non-Hormonal and Implant insertion - 1 Rod and 2 Rod - and implants removal.
- The preference for short-term methods is observed among the young WRA because they are not in a longer-term type of relationship that necessitates actual long-term planning on family planning. The young WRA also prefer short term FP methods because they do not delay return to fertility as would be the case while using long term FP methods
- The survey observed that in Laikipia Health Services Nyahururu there are more visits for long-term methods compared to those at Laikipia Health Services Nanyuki. This is the case because of the different demographic composition in the population living in Nanyuki and Nyahururu. In Nanyuki, the population has a high number of young women who are not in long-term commitment relationships while, in Nyahururu the women are much older and in longer-term commitment relationships and, within a family setting.
- Women in long-term commitment relationships engage in long-term family planning since they are more inclined to manage the number of their offspring with little fear of delaying return to fertility. For the case of the young women in urban areas, they are not likely in long-term commitment relationships and since they have concerns for delay in return to fertility, they opt for short-term FP methods as opposed to long-term FP methods.

Hospital Revenue and Average Cost of FP Service

- Hospital revenues are influenced by the number of visits for the services, cost of the services, convenience of access by the patient as well as product/service availability. Where a balance combination of these aspects is fairly attained, the hospital will earn higher revenue.
- The public facilities in the survey have the lowest average cost below Ksh. 200 per WRA and this is because of the low fee charged for the FP services plus the high number of visit for the FP services. However the interview survey informed the study that commodity outages affected the number of visits.

- The survey deduces that WRA choice on where to access FP services will be influenced by the cost implication of their expenditure. A significant number of women (WRA) consider the fee they have to meet to access the FP service sought or preferred and where that cost of the service is significantly lower there is bound to be a high number of visits in the health facility.
- The fee charged for the FP service is however not the only factor considered. Other aspects include that transport cost and travel time, the convenience in service delivery and reliability of the health facility to provide the services sought. This is particularly the case where there are youth friendly services where there are higher number of youth in the locality. In Laikipia County, the survey observed that the youth prefer Laikipia Health Services Nanyuki for FP Services since there is a youth center and youth friendly services.

Modes of pay and NHIF Use

In the private facilities the most used mode of payment is cash and other insurance. NHIF as a mode of pay is curtailed by the regulation for the facilities, low enrolment and discontinued contribution after first time enrolment. Other factors limiting the use of NHIF mode of pay is the regulatory requirement for the presence of the primary Member for Biometric checks in the case of dependants seeking access to health services.

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