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Changing Face of Family Planning Funding in Kenya: A Cross-Sectional Survey of Two Urban Counties

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Abstract

As international development partners reduce funding for family planning (FP) programs, the need to estimate the financial resources devoted to FP is becoming increasingly important both at all levels. This cross-sectional assessment examined the FP financing sources, agents, and expenditures in two counties of Kenya for fiscal years 2010/2011 and 2011/2012 to guide local decision-making on financial allocations. Data were collected through a participatory process. This involved stakeholder interviews, review of financial records and service statistics, and a survey of facilities offering FP services. Financing sources and agents were identified, and source amounts calculated. Types of FP provider organizations and the amounts spent by expenditure categories were identified. Overall, five financing sources and seven agents for FP were identified. Total two-year expenditures were KSh 307.8 M (US$ 3.62 M). The government’s share of funding rose from 12% to 21% over the two years (p=0.029). In 2010/2011, the largest expense categories were administration, commodities, and labor; however, spending on commodities increased by 47% (p=0.042). This study provides local managers with FP financing and expenditure information for use in budget allocation decision-making. These analyses can be done routinely and replicated in other local counties or countries in a context of devolution. (Afr J Reprod Health 2017; 21[4]: 24-32).

Keywords: Contraception, Expenditure, Budget, Decision-making

Introduction

Globally, contraceptive use is associated with a reduction in maternal mortality of 44% and in another study, it averted at least 32% of maternal deaths, 21% of under-five mortality, and 10% of infant deaths globally7. At a population level, increases in contraceptive use can decelerate the
rate of population growth and reduce extreme poverty\textsuperscript{3,7}.

Contraceptive prevalence in Kenya has risen from 27\% in 1989 to 58\% in 2014\textsuperscript{3,4}. However, the unmet need for family planning (FP) nationally is 25\%\textsuperscript{8}. For the Government of Kenya to reach its goal of reducing unmet need for FP and increasing contraceptive use\textsuperscript{3}, it is necessary to focus on quality and equity in delivery of health services\textsuperscript{9} and using new approaches to scale up FP delivery\textsuperscript{10,11}. An understanding of the funding landscape will be a key part of this process\textsuperscript{12}.

Globally, government health spending as a share of total government spending is significantly associated with greater equity in the use of modern contraceptive methods\textsuperscript{13}. As governments—and increasingly local governments—aim to provide FP among other health services to growing and more hard-to-reach populations, it is increasingly important to budget and forecast program funding sources and costs. International development partners have reduced funding for FP from historically high levels\textsuperscript{14}. FP service delivery organizations need to raise funds strategically and be more accountable and efficient with available funds. However, most of the tools currently available to track the proportion of funding dedicated to FP do not offer accurate and up-to-date information about FP funding for use by local planners and decision-makers\textsuperscript{15,16}. Funding trends and sources for FP at the local level are increasingly receiving attention, including in Kenya\textsuperscript{17}.

In Kenya, the landscape for health service delivery has changed under decentralization, also called devolution. In 2010, Kenya adopted a devolved governance system that transferred decision-making and service provision in health from the national to the county level\textsuperscript{18}. County governments are now empowered to make key resource decisions related to health. For local governments, information on funding sources, agents, and utilization of FP resources is important for transparency of decision-making and accountability to the funders as well as the beneficiaries.

Prior to the devolution of government in Kenya, expenditures on health and FP were rising. Total health expenditures rose from KSh 102 billion (US$ 1,389 million [M]) in 2005/06 to KSh 123 billion (US$ 1,620 M) in 2009/10. The sources of funds were the Government of Kenya (29\%); the domestic private sector, including households (37\%); and development partners (34\%). Total reproductive health (RH) expenditures were KSh 12.92 billion (US$ 170 M) in 2005/06 and KSh 17.07 billion (US$ 225 M) in 2009/10. The sources were government (40\%), private sector (38\%), and development partners (22\%)\textsuperscript{19}. In 2009/10, public RH expenditures as a percentage of total government expenditures were only 2.58\%\textsuperscript{20}.

However, little published research describes program expenditures specifically for FP. Costs related to FP service provision are not easy to determine because, in health budgets by ministries and development partners, FP allocation is often grouped together with maternal and child health funds. Understanding the funds allocated for FP specifically requires disaggregating larger budgets. This makes it difficult for governments and non-state actors to know the funding levels and sources allocated to FP and how the funds are used.

This study describes a participatory approach to estimating the total resources devoted to FP in Kenya in the urban counties of Kisumu and Mombasa, including sources and expenditures in a two-year period. A secondary objective was to test the feasibility of the participatory methods used to document funding sources and levels and indicate whether they can be replicated in other contexts that have experienced devolution of resource allocation and expenditure to local governments.

**Methods**

This cross-sectional study collected data for fiscal years 2010/2011 and 2011/2012 from multiple data sources: facility managers, funding agencies and service providers. During the planning phase, the research team conducted preliminary visits to the two counties and held discussions with senior officials from the Ministry of Local Government, Provincial Directorate of Health, the Sub-County Health Management Team, and their financial departments. In each county, the researchers held a second meeting with 50 stakeholders involved with
funding or operating FP programs and health facility in-charges to share the study objectives and review the tools.

The study did not meet the criteria for human subjects' research as per the regulations of the U.S. Department of Health and Human Services, Office of Human Research Protections by the implementing agency and, therefore, Institutional Review Board ethical review was not sought.

**Sampling**

This study was conducted in two purposively selected counties, Mombasa and Kisumu, because they were the sites where the Tupange (“Let’s Plan” in Kiswahili) urban FP program was being implemented and are among the three largest cities in Kenya. Three types of organizations involved with FP were identified as financing sources, financing agents, and service providers, a categorization like that used by other FP financing studies. Financing sources supply the money that pays for FP services, including commodities and personnel. Financing agents, such as government ministries and nongovernmental organizations (NGOs), act on behalf of financing sources (as a pass-through) and determine how funds are spent. Service providers are the health facilities and other service delivery points that deliver health services to clients.

We collected data from all the known financing agents within the two counties and obtained an up-to-date directory of all the health facilities in these counties. The selection of the sites was done in consultation with the Sub-County Reproductive Health Coordinator, based on health system level and managing authority. The facilities included provincial hospitals, district and sub-district hospitals, health centers, dispensaries, faith-based organizations (FBOs), and private facilities. Stratified sampling was used to select the facilities from the targeted population. Facilities were eligible for the study if they offered FP services, were operated as not-for-profit entities, and received financial support from a financing agent.

**Data collection**

In this study, two research assistants from each city were trained on study objectives, tools, and procedures for confidentiality.

The financing agent data collection tool and a facility questionnaire were adapted from a previous health financing study that tracked HIV/AIDS spending in Kenya. The financing agent tool was used to identify the origin and recipients of the funds, and any income generated by the agent. For financial years 2010/2011 and 2011/2012, data on the total amount of FP income spent by the agents and the expenditure categories of material supplies, salaries, allowances, training, maintenance and repair services, rent, utilities, communication, and consultancy services were collected. The tool captured the amount of funds provided by financing sources to the different financing agents and how the funds were distributed to providers for FP implementation. The questions related to the funds’ terms and conditions, expenditure reporting, and perceived adequacy of funds for FP services. For verification, the financing agent data were compared to the records held at the financing agents’ administrative offices where the records are kept.

At the health facility level, the research team carried out structured, oral interviews with the facility in-charge using the facility questionnaire. The research team also abstracted data from facility-based summary reports on workload and FP commodities. These data were entered by the Sub-County Health Records Officer into the national system, the District Health Information Software 2 (DHIS2).

The health facility questionnaire for service providers identified the origin of funds spent on FP by the facility and indicated the related activities or functions. The questionnaire also collected the FP expenditure data in the facility and recorded personnel utilization to determine time spent on FP services. The categories of fund utilization included FP commodities; medical supplies, such as non-pharmaceuticals; and
Table 1: Sampling of Health Facilities for Family Planning in Kisumu and Mombasa Counties

<table>
<thead>
<tr>
<th>Facilities</th>
<th>Public N (%)</th>
<th>Private N (%)</th>
<th>Total N (%)</th>
<th>Public N (%)</th>
<th>Private N (%)</th>
<th>Total N (%)</th>
<th>Both N (%)</th>
<th>Private N (%)</th>
<th>Total N (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provided family planning in 2010</td>
<td>29</td>
<td>28</td>
<td>57</td>
<td>26</td>
<td>93</td>
<td>119</td>
<td>55</td>
<td>121</td>
<td>176</td>
</tr>
<tr>
<td>Eligible (a)</td>
<td>17 (59)</td>
<td>17 (60)</td>
<td>34 (60)</td>
<td>15 (58)</td>
<td>7 (8)</td>
<td>22 (18)</td>
<td>32 (58)</td>
<td>24 (20)</td>
<td>56 (32)</td>
</tr>
<tr>
<td>Responded (Response Rate)</td>
<td>14 (82)</td>
<td>11 (65)</td>
<td>25 (74)</td>
<td>14 (93)</td>
<td>7 (100)</td>
<td>21 (95)</td>
<td>28 (88)</td>
<td>18 (75)</td>
<td>46 (82)</td>
</tr>
</tbody>
</table>

Note: Private includes faith-based organizations and non-governmental organizations. Facilities eligible for the study participation were those receiving financial support from a financing agent.

Results

Facilities that participated in the study included a public provincial hospital and a district hospital in Kisumu and Mombasa each. In Mombasa, two of the four sub-district hospitals were selected randomly and participated, as did one sub-district hospital in Kisumu. Overall, there were 176 facilities providing FP in the two counties. Of these, only 56 met the eligibility criteria. Data were unable to be collected from 10 facilities. We collected data from 46 of the 56 eligible facilities; 82% response rate (Table 1).

In total, five financing sources for FP were identified: The Ministry of Finance, United Nations Population Fund, U.S. Agency for International Development, the Bill & Melinda Gates Foundation, and U.K. Department for International Development. (Figure 1)

There were seven financing agents receiving funds for FP services in Mombasa and Kisumu. The financing agents included three government entities (Ministry of Medical Services, Ministry of Public Health, and Kenya Medical Supplies Agency) and four NGOs (Jhpiego/Tupange, Family Health Options of Kenya, Population Services International, and Marie Stopes Kenya). These agents, in turn, provided resources to government providers, including public dispensaries, health centers, and hospitals, and to private providers, including facilities operated by NGOs and FBOs. Family Health Options of Kenya also operated as a provider.

Total expenditures on FP from government and development partners in the two counties (expressed in millions or M) were: KSh 141.16 M.
Note: NGO providers include Family Health Options of Kenya and Marie Stopes Kenya, which are also Financing Agents, and the German Development Bank KfW.

Figure 1: The Flow of Resources for Family Planning Services from Financing Sources to Financing Agents to Provider Organizations in Kisumu and Mombasa

(US$ 1.66 M) in 2010/11 and KSh 166.64 M (US$ 1.96 M) in 2011/12, for a two-year total of KSh 307.80 M (US$ 3.62 M) (Table 2).

FP funding provided by the Government of Kenya to these two counties increased from KSh 17.4 M (US$ 0.2 M) to KSh 35.3 M (US$ 0.4 M) over the two-year period, and its share of total FP funding rose from 12% to 21% (p=0.029).

Among the financing agents (Table 2), three NGOs with international affiliations were the largest recipients (Jhpiego/Tupange, at KSh 100.42, US$ 1.18; Population Services International at KSh 65.95, US$ 0.78; and Marie Stopes Kenya at KSh 61.80, US$ 0.73), followed by the Ministry of Health (KSh 52.69, US$ 0.62). In Year 1, the FP expense category was largest for administration (KSh 58.4 M, US$ 0.69 M); commodities (FP methods) (KSh 27.4 M, US$ 0.32 M); and labor cost (KSh 13.5 M, US$ 0.16 M) (Table 3). By Year 2, administration decreased by 52% (p <0.001), whereas commodities increased by 47% (p=0.042). Other expenses in Year 2 in decreasing order were training, outreach, pharmaceutical supplies, salaries, and advocacy.

Discussion

Even though many institutions are involved in FP services in Kenya, four international NGOs are providing the largest share of contributions to FP (80%) in the two surveyed counties. This reliance on donors suggests a need to advocate for greater national and county government contribution toward the FP program. International donors have figured heavily in national sources for RH.29 In the present study, an increase in funding from the Government of Kenya was observed at the county level. Tupange advocacy activities at the national and county levels may have contributed to increased national financial government support for FP commodities.10 This may signal a trend toward greater government funding of FP.

During Year 1 (2010/11), administrative costs, mainly by the financing agents, represented the largest proportion of FP expenditures. This can be attributed to high initial costs of internal administration measured in this study (utilities, offices, and transportation) during project startup. However, in Year 2, administrative costs by
<table>
<thead>
<tr>
<th>Agent</th>
<th>2010/11* KSh</th>
<th>US$ b</th>
<th>Proportion of Total</th>
<th>2011/12* KSh</th>
<th>US$ b</th>
<th>Proportion of Total</th>
<th>Relative change</th>
<th>2010–2012 KSh</th>
<th>US$ b</th>
<th>P-value change f</th>
<th>Proportion of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ministry of Health</td>
<td>17,440</td>
<td>210</td>
<td>0.12</td>
<td>35,250</td>
<td>410</td>
<td>0.21</td>
<td>71%</td>
<td>52,690</td>
<td>620</td>
<td>0.029</td>
<td>0.17</td>
</tr>
<tr>
<td>NGO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KfW</td>
<td>3,320</td>
<td>40</td>
<td>0.02</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>-100%</td>
<td>3,320</td>
<td>40</td>
<td>NS</td>
<td>0.01</td>
</tr>
<tr>
<td>Jhpiego</td>
<td>32,660</td>
<td>380</td>
<td>0.23</td>
<td>67,760</td>
<td>800</td>
<td>0.41</td>
<td>76%</td>
<td>100,420</td>
<td>1,180</td>
<td>0.001</td>
<td>0.33</td>
</tr>
<tr>
<td>Family Health Options of Kenya</td>
<td>13,350</td>
<td>160</td>
<td>0.09</td>
<td>5,840</td>
<td>70</td>
<td>0.04</td>
<td>-63%</td>
<td>19,190</td>
<td>230</td>
<td>NS</td>
<td>0.06</td>
</tr>
<tr>
<td>Marie Stopes Kenya</td>
<td>32,800</td>
<td>390</td>
<td>0.23</td>
<td>29,000</td>
<td>340</td>
<td>0.17</td>
<td>-25%</td>
<td>61,800</td>
<td>730</td>
<td>NS</td>
<td>0.20</td>
</tr>
<tr>
<td>Population Services</td>
<td>37,160</td>
<td>440</td>
<td>0.26</td>
<td>28,790</td>
<td>340</td>
<td>0.17</td>
<td>-34%</td>
<td>65,950</td>
<td>780</td>
<td>0.037</td>
<td>0.21</td>
</tr>
<tr>
<td>International</td>
<td>4,420</td>
<td>50</td>
<td>0.03</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>-100%</td>
<td>4,420</td>
<td>50</td>
<td>NS</td>
<td>0.01</td>
</tr>
<tr>
<td>Total</td>
<td>141,160</td>
<td>1,660</td>
<td>1.00</td>
<td>166.64</td>
<td>1.960</td>
<td>1.00</td>
<td></td>
<td>307,800</td>
<td>3,620</td>
<td></td>
<td>1.00</td>
</tr>
</tbody>
</table>

NS, not significant or p>0.05  
a: Financial year in Kenya runs from July 1 to June 30.  
b: Exchange rate used in each year is US$ 1 = KSh 85.  
c: At the time of the study, the Ministry of Health was separated from the Ministry of Public Health and Ministry of Medical Services.  
d: A zero implies that the organization type did not secure funding for family planning that financial year.  
e: KEMSA, listed as a Financing Agent in Figure 1, received money directly from the Ministry of Medical Services and Ministry of Public Health.  
f: p-value from chi-square test from 2010/11 to 2011/12
financing agents decreased, while expenditures on commodities, training, outreach, and pharmaceutical supplies increased. This shift may have occurred due to greater efficiencies gained and a gradual shift toward providing FP commodities and services to clients. This raises questions for future study, whether devolution affects the types of costs in the short and long run.

This assessment provides a baseline for tracking FP funds at the county level. This study joins other studies arguing for more local-level information about FP to add to estimates of RH financing at the national level\(^2\) and for more comprehensive budget analysis for FP\(^3\). The participatory approach facilitated the acceptance of the findings and increased the likelihood that recommendations will be adopted. The findings can be used in other local counties, other countries with similar settings experiencing devolution, and in other areas of health. For example, county budgeting managers in Kenya, who are responsible for deciding how much to spend on different health sectors, could use information on the funds allocated in the counties of this study and the population size to estimate funds for FP. This study, which followed an approach previously used in HIV\(^2\), has demonstrated the potential benefits of using this kind of assessment on a regular basis in RH, and including FP as its own line item. When accurately performed, this approach will estimate the cost of interventions and highlight the gaps in contributions pledged for FP and funds actually disbursed. The use of a costing estimate tool to show unbalanced allocation of funding could also help identify priority areas or interventions in need of additional resources.

In the future, the data tools used can be employed annually to track expenditures on FP and other services at national and local levels. These tools should be designed to ensure a feasible breakdown of RH expenditures, including FP, and if possible, to capture data starting from the health facility level\(^1\). The findings of this study will support efforts to advocate for more resources and improved tracking, and to estimate the financial gap for FP services to inform resource mobilization and allocation. Yearly funding allocations to FP would lessen uncertainty for facility in-charges who are trying to meet population demand for FP services\(^3\).

**Strengths and Limitations**

This assessment is a baseline for tracking FP funds at the county level in Kenya, and a review of the literature indicates that this is one of the first studies to do so. Strengths of the assessment include the fact that it was conducted at the county level when devolution was taking effect in Kenya, and it used a participatory approach to ensure engagement in, and ownership by, the county government officials who are the anticipated end users. The assessment methods can be used in other counties in Kenya, or in other countries with similar settings and devolution. This approach to estimating sources and amounts of funding for FP can be applied to other areas of health, as well. The study had several limitations. The funding level for health facility staff salaries remained the same over the two years because time series data on personnel were based on cross-sectional data collected for the two years, and did not factor in annual salary increments. The source documents did not include all FP funds that came from national level. Government spending was only captured for FP methods and commodities expenditures and for employees’ salaries designated for “reproductive health.” Additional government contributions not captured include infrastructure (buildings, administration of buildings) and staff time for supervision of health care; thus, the government’s financial commitment to FP is underestimated. Clients’ out-of-pocket expenditure for FP commodities was beyond the scope of this study, but future studies should include this component, which has been examined at the national level\(^2\).

**Conclusions**

More than three-quarters of the funds for FP in the two counties studied come from development partners. Government of Kenya’s contribution increased over the two-year study period. In the current context of devolution, where counties make budget decisions for health, including FP, this study can provide local managers with key past
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expenditure information on which to base future informed budget allocation decisions.

FP funding and expenditure analysis studies should be done routinely and institutionalized, as part of county activities. The government’s indirect contributions to FP funding and expenditure should be included in the future, as well as client expenditure.

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Conflict of Interest

None of the authors have competing interests to declare.

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