Building a balanced method mix: The role of low cost implants in addressing contraceptive stock-outs

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Why Focus on Implants?

- Highly effective
- Can be used by most women
- Can be made widely available through a variety of providers and venues
Zarin® - A Low Cost Implant
### Sino-implant vs. Jadelle and Implanon

<table>
<thead>
<tr>
<th></th>
<th>Sino-implant (II)</th>
<th>Jadelle</th>
<th>Implanon</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Manufacturer</strong></td>
<td>Shanghai Dahua Pharmaceutical</td>
<td>Bayer HealthCare</td>
<td>Schering Plough/Organon</td>
</tr>
<tr>
<td><strong>Formulation</strong></td>
<td>2 rods; 75 mg levonorgestrel</td>
<td>2 rods; 75 mg levonorgestrel</td>
<td>1 rod; 68 mg etonogestrel</td>
</tr>
<tr>
<td><strong>Labeled length of use</strong></td>
<td>4 years</td>
<td>5 years</td>
<td>3 years</td>
</tr>
<tr>
<td><strong>Trocars</strong></td>
<td>Disposable</td>
<td>Autoclavable/ Disposable</td>
<td>Pre-loaded disposable</td>
</tr>
<tr>
<td><strong>Cost of implant (US$)</strong></td>
<td>$7.50 - $8.50</td>
<td>$21 - $23</td>
<td>$20 - $28</td>
</tr>
</tbody>
</table>

*Cost per Year assumes implant used for labeled duration of use*
Cost per Couple Year of Protection (CYP)

Direct Cost per CYP by Method,
13 FP/RH Tier One Countries

Cost/CYP

$16.00
$14.00
$12.00
$10.00
$8.00
$6.00
$4.00
$2.00
$0.00

IUD
Sino implant
Generic DMPA
DMPA
COC
Jadelle
Implanon

Improving Lives Worldwide
Assessing implant provision in various service delivery settings

Study Objectives

• Determine potential of programs to charge enough to cover cost.

• Determine potential barriers to introduction of lower cost implants in Kenya with an emphasis on appropriate access to removal
Assessing implant provision in various service delivery settings in Kenya

Methods:
• Retrospective cohort study
• 22 health care facilities
• 22 family planning providers
• 293 current and returning implant users
• 412 exiting family planning clients (non-implant users)
Key Findings: Cost recovery is possible

- **Implant clients paid:**
  - $1.30 in the Public sector
  - $13.30 in the Private for profit sector
  - $20.00 in the NGO sector

- **Implant clients are willing to pay:**
  - $6.60 in the Public sector
  - $26.60 in the Private for profit sector
  - $26.60 in the NGO sector

Implant Clients – n 293
Key Findings: Cost recovery is possible

- The fully loaded cost of providing Sino-Implant is $16
- On average, private sector clients paid $13.30 & NGO sector clients paid $20
- Clients in both sectors are willing to pay up to $26.60
- Cost recovery is very possible!

Implant clients n=293
Key Findings: 92% of clients had access to removal

- Implant clients in Kenya are currently paying (median price) for removal:
  - $1.33 in the Public sector
  - $4.67 in the Private for profit sector
  - $17.33 in the Non-Profit sector
- Access to removal is an issue for a small percentage of clients

Implant clients n=293
Key Findings: Existing Barriers to Introduction

- Afraid of side effects: 35%
- Cost: 4%
- Not interested in long term method: 16%
- Misc/Other: 21%
- Comfortable with current method: 12%
- Lack of information: 12%

Exit FP Clients n=412
Key Findings: Existing Barriers to Introduction

- Undesirable bleeding patterns may be the biggest barrier to uptake.
- 33% of current implant users reported that their bleeding pattern is unacceptable.
- Overall, 89% of clients satisfied with implants.

Implant Clients n=293
Take home messages

- Cost recovery is possible in some sectors
- Removal services provided to all clients
- More focused counseling to address current barriers to introduction include
  - Fear of side effects
  - Lack of information
  - Unacceptable bleeding patterns
- Majority of implant users are satisfied
- Implants have a role
Acknowledgement

Division of Reproductive Health

Family Health Options Kenya