Community context Kenya and Swaziland: trends in unmet needs, service use, demand/receipt of integrated services

Joelle Mak, Natalie Friend du-Preez, Kathryn Church, Isolde Birdthistle, Jackie Kivunaga, Joshua Kikuvi, Susannah Mayhew, for the INTEGRA Research Team
Aim - Household survey analysis

To determine population-level patterns in:
- met and unmet needs for FP and HIV/STI prevention; and
- demand for and use of SRH and HIV-related services including integrated services.

Methods -

Two rounds were conducted in Central Province (Nyahururu and Thika), Kenya and in the Manzini area of Swaziland:

Baseline 2009
Endline 2011/2012

Three-stage clustered survey - EAs, households and individuals were randomly sampled.

Eligibility: age between 15/8 and 49. Young people (<25) were oversampled at endline.

All analysis adjusted for clustering and oversampling of youth.
Results
Profile of respondents

**Significant differences between baseline and endline respondents on the following demographic characteristics:**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Kenya (N&lt;sub&gt;B&lt;/sub&gt;=1752; N&lt;sub&gt;E&lt;/sub&gt;=1969)</th>
<th>Swaziland (N&lt;sub&gt;B&lt;/sub&gt;=779; N&lt;sub&gt;E&lt;/sub&gt;=1047)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Women (N&lt;sub&gt;B&lt;/sub&gt;=1044; N&lt;sub&gt;E&lt;/sub&gt;=1151)</td>
<td>Men (N&lt;sub&gt;B&lt;/sub&gt;=708; N&lt;sub&gt;E&lt;/sub&gt;=918)</td>
</tr>
<tr>
<td>Age group</td>
<td>&lt;0.001 More &gt;35 at endline</td>
<td>&lt;0.001 Fewer &lt;25 and more &gt;35 at endline</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.026 Fewer age 25-39 and more &gt;35 at endline</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.003 Fewer &lt;25 and more &gt;35 at endline</td>
</tr>
<tr>
<td>Marital status</td>
<td>NS</td>
<td>&lt;0.001 Fewer non-cohabiting and more married at</td>
</tr>
<tr>
<td></td>
<td></td>
<td>endline</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&lt;0.001 More single or divorced/separated at endline</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.002 More single and married at endline</td>
</tr>
<tr>
<td>Education</td>
<td>NS</td>
<td>NS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. of children</td>
<td>NS</td>
<td>&lt;0.001 Fewer with 0 at endline</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*NS - not significant
Need for FP or HIV/STI prevention at the population-level
Need for Family Planning

Fecund & sexually active women & men

- Currently or recently pregnant/amenorrheic
- Not sure or wants children in ≥1 year
- Wants children in <1 year
- Wants no more children

Wanted  Mistimed  Unwanted

Need for family planning

Not currently modern contraceptive or consistent condom user

Unmet need for family planning

Adapted from Church (2011) and Westoff (2006)
Need for HIV/STI prevention

Sexually active women & men

At Risk for HIV/STI

- HIV-positive
- Have STI
- >1 sexual partner
- Know/don’t know if partner has other partner(s)
- Own HIV status unknown
- Partner’s HIV status unknown

Need for HIV/STI prevention

Not a consistent condom user

Unmet need for HIV/STI prevention

Adapted from Church et al. (2011)
Base and endline comparison of levels of met/unmet need for FP, by country and sex

**Kenya**

- **Women**
  - Baseline (814): 69%
  - Endline (851): 74%
  - Baseline (520): 16%
  - Men (643): 19%

- **Men**
  - Baseline (324): 72%
  - Endline (351): 73%
  - Baseline (292): 78%
  - Men (251): 77%

**Swaziland**

- **Women**
  - Baseline (324): 18%
  - Endline (351): 20%
  - Baseline (292): 14%
  - Men (251): 14%

- **Men**
  - Baseline (324): 72%
  - Endline (351): 73%
  - Baseline (292): 78%
  - Men (251): 77%
Base and endline comparison of levels of met/unmet need for HIV/STI prevention, by country and sex

**Kenya**

- **Women**
  - Baseline (824) Met: 48% Unmet: 30%
  - Endline (855) Met: 21% Unmet: 25%
  - Men (643) Met: 45%

- **Swaziland**
  - **Women**
    - Baseline (326) Met: 25% Unmet: 30%
    - Endline (355) Met: 27% Unmet: 30%
    - Baseline (293) Men Met: 33%
    - Men (252) Met: 47%
Base and endline comparison of levels of met/unmet need for both FP and HIV/STI prevention (Dual needs), by country and sex

Kenya

- **Women**
  - Baseline: 6%
  - Endline: 6%
  - Baseline: 42%
  - Endline: 28%
  - Baseline: 20%
  - Men (642): 41%

- **Men**
  - Baseline: 26%
  - Endline: 27%
  - Baseline: 13%
  - Men (250): 43%

Swaziland

- **Women**
  - Baseline: 43%
  - Endline: 21%
  - Baseline: 13%
  - Men (250): 43%

- **Men**
  - Baseline: 60%
  - Endline: 13%
  - Baseline: 22%
  - Men (250): 43%
Baseline and endline comparison of service use among those with unmet need for FP, by country and sex

Kenya

<table>
<thead>
<tr>
<th></th>
<th>Women</th>
<th>Men</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline (133)</td>
<td>32%</td>
<td>34%</td>
</tr>
<tr>
<td>Endline (185)</td>
<td>68%</td>
<td>71%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Women</th>
<th>Men</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline (92)</td>
<td>28%</td>
<td>28%</td>
</tr>
<tr>
<td>Endline (123)</td>
<td>21%</td>
<td>21%</td>
</tr>
</tbody>
</table>

Swaziland

<table>
<thead>
<tr>
<th></th>
<th>Women</th>
<th>Men</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline (57)</td>
<td>39%</td>
<td>39%</td>
</tr>
<tr>
<td>Endline (69)</td>
<td>50%</td>
<td>50%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Women</th>
<th>Men</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline (41)</td>
<td>27%</td>
<td>27%</td>
</tr>
<tr>
<td>Endline (34)</td>
<td>91%</td>
<td>91%</td>
</tr>
</tbody>
</table>

- Used SRH service not for FP but did not receive FP services
- Used SRH service not for FP but received FP services
- Used SRH service for FP
- No SRH services used

Integra
Strengthening the evidence base for integrating HIV and SRH services
Baseline and endline comparison of service use among those with **unmet** need for HIV/STI prevention, by country and sex

### Kenya

<table>
<thead>
<tr>
<th></th>
<th>Women</th>
<th>Men</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline (393)</td>
<td>Baseline (269)</td>
<td>Endline (283)</td>
</tr>
<tr>
<td>55%</td>
<td>12%</td>
<td>6%</td>
</tr>
<tr>
<td>42%</td>
<td>10%</td>
<td>8%</td>
</tr>
<tr>
<td>15%</td>
<td>77%</td>
<td>87%</td>
</tr>
<tr>
<td>30%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Swaziland

<table>
<thead>
<tr>
<th></th>
<th>Women</th>
<th>Men</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline (81)</td>
<td>Baseline (96)</td>
<td>Endline (60)</td>
</tr>
<tr>
<td>33%</td>
<td>36%</td>
<td>31%</td>
</tr>
<tr>
<td>18%</td>
<td>75%</td>
<td>77%</td>
</tr>
<tr>
<td>2%</td>
<td>77%</td>
<td>97%</td>
</tr>
<tr>
<td>2%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Used SRH service not for HIV/STI but did not receive HIV/STI services**
- **Used SRH service not for HIV/STI but received HIV/STI services**
- **Used SRH service for HIV/STI**
- **No SRH services used**
Use of SRH/HIV services in past 12 months among all respondents

Respondents were asked whether they had used the following services in the past 12 months:

- Family Planning (FP)
- Maternal & Child Health (MCH) - women only
- HIV Counselling & Testing (HCT)
- Comprehensive Treatment & Care for HIV (ARV/tx)
- Sexually Transmitted Infections (STI)
- Male Circumcision (MC) - men only
Baseline and endline comparison of past year SRH service use in Kenya, by sex and service type

Women

<table>
<thead>
<tr>
<th>Service Type</th>
<th>Baseline (n=1044)</th>
<th>Endline (n=1151)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP</td>
<td>48%</td>
<td>35%</td>
</tr>
<tr>
<td>MCH</td>
<td>25%</td>
<td>22%</td>
</tr>
<tr>
<td>HCT</td>
<td>45%</td>
<td>25%</td>
</tr>
<tr>
<td>ARV/HIV tx</td>
<td>1%</td>
<td>2%</td>
</tr>
<tr>
<td>STI</td>
<td>3%</td>
<td>1%</td>
</tr>
</tbody>
</table>

Use of any SRH/HIV service: 73%

Men

<table>
<thead>
<tr>
<th>Service Type</th>
<th>Baseline (n=708)</th>
<th>Endline (n=918)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP</td>
<td>28%</td>
<td>12%</td>
</tr>
<tr>
<td>HCT</td>
<td>31%</td>
<td>28%</td>
</tr>
<tr>
<td>ARV/HIV tx</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>STI</td>
<td>2%</td>
<td>1%</td>
</tr>
<tr>
<td>MC</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>

Use of any SRH/HIV service: 48%
Baseline and endline comparison of past year SRH service use in Swaziland, by sex and service type

**Women**

- FP: Baseline 35%, Endline 33%
- MCH: Baseline 18%, Endline 14%
- HCT: Baseline 43%, Endline 33%
- ARV/HIV tx: Baseline 14%, Endline 9%
- STI: Baseline 7%, Endline 3%

**Men**

- FP: Baseline 11%, Endline 0%
- HCT: Baseline 29%, Endline 3%
- ARV/HIV tx: Baseline 3%, Endline 2%
- STI: Baseline 5%, Endline 4%
- MC: Baseline 4%, Endline 4%
- Use of any SRH/HIV service: Baseline 68%, Endline 33%
Demand for & receipt of integrated SRH/HIV services (among service users)

- Respondents were asked what services they wanted and which one(s) they received at their most recent visit.
  - Demand = services wanted
  - Receipt = services received

Integrated SRH/HIV service = a RH service + an HIV/STI service
Baseline and endline comparison of demand for and receipt of integrated SRH/HIV services at most recent visit among women in Kenya, by type of service.
Baseline and endline comparison of demand for and receipt of integrated SRH/HIV services at most recent visit among women in Swaziland, by type of service.

**Baseline**

- **FP - HIV/STI (n=122)**: 3% wanted, 5% received
- **MCH - HIV/STI (n=132)**: 3% wanted, 5% received
- **HCT - RH (n=175)**: 21% wanted, 17% received
- **ARV/HIV tx - RH (n=57)**: 9% wanted, 5% received
- **Overall SRH/HIV integrated services (n=212)**: 11% wanted, 9% received

**Endline**

- **FP - HIV/STI (n=31)**: 0% wanted, 0% received
- **MCH - HIV/STI (n=86)**: 2% wanted, 7% received
- **HCT - RH (n=22)**: 13% wanted, 13% received
- **ARV/HIV tx - RH (n=38)**: 3% wanted, 5% received
- **Overall SRH/HIV integrated services (n=153)**: 1% wanted, 2% received

Legend:
- Wanted integrated services
- Received integrated services

Integra
Strengthening the evidence base for integrating HIV and SRH services
Baseline and endline comparison of demand for and receipt of integrated SRH/HIV services at most recent visit among men by country

Kenya

Baseline SRH/HIV integrated services (n=202) 2%
Endline SRH/HIV integrated services (n=252) 3%

Swaziland

Baseline SRH/HIV integrated services (n=143) 13%
Endline SRH/HIV integrated services (n=65) 3%

- Red bar: Wanted integrated services
- Blue bar: Received integrated services
Conclusions

- Need for FP and HIV/STI prevention -
  - High levels of need for FP which were largely met;
  - Reduction in need for HIV/STI prevention and for dual need between base and endline;
  - Reduction in unmet dual need at endline
  - Among those with unmet needs:
    - Reduced levels of missed opportunities for women who used services
    - Low usage of services among men and low at endline among women

- Past year service use -
  - Reduction in service use for both men and women across both countries

- Demand for & Receipt of integrated SRH/HIV services -
  - Both demand and receipt reduced at endline compared to baseline results but more respondents received integrated services than those wanting them at endline.
  - More receipt of integrated services came from RH users.
  - More work needs to be done for men where demand for and provision of integrated services remain low.

➢ Is the change we see in the data reflecting a change in behaviours at the population-level?