Primary Care of the Pregnant Woman in High Burden Infectious Disease Settings: The Kenya Example

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Presentation Outline

- Background
- Primary Care of the Pregnant Woman
- Infectious Diseases
- Jhpiego results
- MNH/FP Innovative Approaches
- Acknowledgement
Background

- Population estimates 43 million (KNBS 2014)
- Number of pregnancies per year: 1,500,000
- **Malaria** parasite prevalence rate is 4.3% in Coast endemic and 38.1% Lake endemic zone. Epidemic prone Western Highlands during rainy seasons prev. is 3.3%
- **HIV** prevalence among women of reproductive age dropped from 8.5% in 2007 to 6.9% (KAIS 2012)
- **TB** prevalence nationally is 210/100,000, TB Mortality (including HIV+) is 20/100,000 (MOH 2013)
Primary Care of the Pregnant Woman

- Focused ANC within MCH with integration of services:
  - Health education with emphasis on 4 ANC visits and SBA
  - Counselling on FP, Nutrition, EBF
  - ANC Profile: Screen for Syphilis, urinalysis, HB, Blood group
  - eMTCT: C&T, HAART for positive mothers & infants, EID
- Malaria Prophylaxis: ITNs, IPTp
- TB Screening and contact tracing
- CHVs: provide health education at community level
Immediate ART for TB/HIV co-infected clients (Jan-Mar 2014)

- Number of TB patients enrolled: 1,312
- Number tested for HIV: 1,258 (96%)
- Number of TB/HIV co-infected patients: 320 (25%)
- Number of patients initiated on ART: 269 (84%)

Source: TIBU System
TB/HIV Areas of Focus

- Integration of TB and HIV services
- Intensified TB case finding
- Immediate ART for TB/HIV co-infected clients
- Isoniazid preventive therapy
- TB infection control
- DR TB Surveillance
- Using GeneXpert
Number of Notified TB Cases & Case notification rate

- **Number of Cases**
- **CNR**
In 2014, the tuberculosis treatment success rate was 88%; cure rate was 82%.

77% of households had at least one ITN (up from 56% in 2008)

Malaria incidence dropped from 32% to 22%, while malaria deaths dropped from 100,000 to less than 65,000

* Health Sector Performance report, MOH, 2013-2014
Malaria in pregnancy

- Malaria in pregnancy (MIP) is associated with poor pregnancy outcomes including:
  - Maternal anemia, miscarriages
  - Intra-uterine growth retardation, Peri-natal mortality

- The IPTp intervention is implemented in malaria endemic counties:
  - Lake endemic
  - Coastal endemic
IPTp coverage in Kenya

- Kenya adopted use of IPTp-SP in 1998 but IPTp coverage has remained below national target
  - IPTp2 – 4% (KDHS 2003)
  - IPTp2 – 13% (KMIS 2007)
  - IPTp2 – 15% (KDHS 2008-09)
  - IPTp2 – 25% (KMIS 2010)
  - IPTP2 – 38% (KDHS 2014)
- Kenya has adopted the community strategy to sensitize pregnant women to start early ANC attendance
Jhpiego 2014: eMTCT

91% (2169/2384) of women received ARV Prophylaxis

<table>
<thead>
<tr>
<th></th>
<th>All pregnant women</th>
<th>Attended ANC</th>
<th>Tested</th>
<th>HIV positive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td>78123</td>
<td>74403</td>
<td>72236</td>
<td>2384</td>
</tr>
<tr>
<td>Percent</td>
<td>100%</td>
<td>95%</td>
<td>97%</td>
<td>3%</td>
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</tbody>
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# Positive vs. Maternal and Infant Prophylaxis

- HIV+ Mothers: Oct’13-Aug’14: 2,427
- Maternal Prophylaxis Oct’13-Aug’14: 2,018 (83%)
- Infant prophylaxis Oct’13-Aug’14: 2,022 (83%)
Jhpiego 2014: PMTCT Cascade - Infant

<table>
<thead>
<tr>
<th></th>
<th>Number</th>
<th>Percent</th>
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<tbody>
<tr>
<td>HEI</td>
<td>2675</td>
<td>100%</td>
</tr>
<tr>
<td>Given Prophylaxis</td>
<td>2382</td>
<td>89%</td>
</tr>
<tr>
<td>Tested by 2 months</td>
<td>1266</td>
<td>47%</td>
</tr>
<tr>
<td>Tested by 18 months</td>
<td>1906</td>
<td>71%</td>
</tr>
<tr>
<td>HIV+</td>
<td>105</td>
<td>6%</td>
</tr>
<tr>
<td>On ART</td>
<td>58</td>
<td>55%</td>
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MNH/FP Innovative Approaches

- **ANC mothers clubs**: Mothers meet at health facility, receive health talks by the HCWs then transition to breastfeeding clubs after delivery. This empowers them with knowledge to demand for various services

- **Mentor Mothers and PMTCT support groups**: Address psychosocial support: retention of mother-baby pair in care and follow-up

- **Integrated MNCH/FP outreaches**: Targeting the hard to reach areas, reaching marginalized communities with quality services
Acknowledgement

- PEPFAR
- USAID
- Ministry of Health, Kenya
- Implementing Partners
- Kenya’s First Lady
- Jhpiego Leadership