The HIV Continuum of Care for Adolescents: An International Perspective

Theresa Wolters
Director, Technical Assistance and Sustainability
Elizabeth Glaser Pediatric AIDS Foundation
Through 2016, EGPAF reached 26 million women with PMTCT and supported nearly 1.2 million people on ART, including 450,000 adolescent girls through PMTCT and over 50,000 adolescents on ART.
### Scale of HIV Epidemic for Adolescents: Female & Male

<table>
<thead>
<tr>
<th>Description</th>
<th>Global: Female</th>
<th>Global: Male</th>
<th>% in Sub-Saharan Africa</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.8 million adolescents (10-19 yrs) living with HIV</td>
<td>990,000</td>
<td>780,000</td>
<td>80%</td>
</tr>
<tr>
<td>250,000 adolescents (15-19yrs) newly infected</td>
<td>160,000</td>
<td>97,000</td>
<td>68%</td>
</tr>
<tr>
<td>41,000 adolescents (10-19yrs) dying of AIDS-related causes</td>
<td>20,000</td>
<td>21,000</td>
<td>87%</td>
</tr>
</tbody>
</table>
Complexities and Challenges: Adolescent HIV in Low-Resource Settings

- Age of consent for HIV testing and initiation on ART
- Heterogeneous group with diverse needs, both among adolescents and compared to adults and younger children
- Mobile populations (early marriage, boarding schools, migrant laborers)
- Lack of health worker training and confidence to treat adolescents
- Lack of adolescent-friendly health services and gaps in evidence for effective, adolescent-focused service delivery models
- Limited access to viral load (VL) monitoring in sub-Saharan Africa
EGPAF-Supported Adolescent Services to Advance 3 Frees

- Comprehensive HIV testing, care and treatment services, utilizing differentiated service delivery models for adolescents
  - Intensified case finding approaches for adolescents
  - Psychosocial and adherence support groups
  - Special hours and clinic days for adolescents on ART (Saturdays, school holidays)
  - Gender-based violence and post-violence care support
  - Expanding availability of second- and third-line ART and TA to countries/clinicians
  - Under development: adolescent-centered ANC/PMTCT services
The Red Carpet Program
The Red Carpet Program in Kenya

- Adapted from the DC-based Red Carpet Program
- Linkage to care and early retention program at 50 facilities in high-prevalence Western Kenya for 420 adolescents
- Priority activities:
  - Training of health workers to support Kenya's national adolescent package of care
  - Dedicated, trained “Red Carpet Coordinators” for service provision
  - Fast-tracked services
  - Weekend and extended clinical hours
  - Intensive adolescent involvement in project design and implementation (Adolescent and Youth Peer Advisory Group)
  - One2One telephone hotline available, through partnership with LVCT

- Results to be published in coming months
- Substantial increases in linkage to care and three- and six-month retention
Opportunities for Additional Evaluation
Increasing Identification of HIV-Infected Adolescents

EGPAF-Swaziland: Individuals Tested for HIV Disaggregated by Age and Gender, July 2015-June 2016

EGPAF-Swaziland: HIV Positivity Disaggregated by Age and Gender, July 2015-June 2016
Increasing Identification of HIV-Infected Adolescents (2)

Number of New Adolescent Patients Disaggregated by Age, Gender and Service Delivery Point

New Adolescent Patients (%) in Care/ART Disaggregated by Age, Gender and Service Delivery Entry Point (2013-2015)
Addressing the Unique Needs of HIV-Infected, Pregnant Adolescents

- Kakamega County, Kenya
  - 14% of PLHIV are adolescents
  - Adolescents represent 10% of all new infections
  - Fourth highest rate of teenage pregnancy nationally; 1 in 3 newly identified HIV-infected adolescent girls found through ANC/PMTCT services

With support from Johnson & Johnson, EGPAF is:

- Piloting a package of responsive services/interventions directed to adolescent girls and young women in PMTCT settings in Kakamega County
- Strengthening health worker capacity to provide responsive and comprehensive HIV and sexual and reproductive health services for pregnant adolescent girls and young women
- Increasing the number of adolescent girls and young women who access, and are retained in, PMTCT services, and virally suppressed
EGPAF Country Experience with Adolescents and HIV care: Case study of Lesotho

Appolinaire Tiam, MD
Director of Global and Clinical Research, EGPAF
Outline

• Background of HIV in Lesotho
• EGPAF approach to reaching 90-90-90 among adolescents and young adults
• Program performance
• Planned studies
HIV in Lesotho

- 25% of the adult population of Lesotho is living with HIV
  - Urban prevalence: 31%
  - ANC prevalence: 25.9% (50%+ in certain sub-populations)
- Double epidemic of HIV and TB second highest prevalence in both diseases.
- HIV is the leading cause of death
- Women are disproportionally affected by the HIV epidemic
  - Prevalence among adult females – 30%
  - Prevalence among adult males - 19%
- Adolescents emerging as a key population
  - 13% prevalence in young women
  - 6% prevalence in young men
- Infant 6 week MTCT rate: 4%

### COUNTRY PROFILE

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Population</td>
<td>1,876,633</td>
</tr>
<tr>
<td>Number of people living with HIV</td>
<td>310,000</td>
</tr>
<tr>
<td>Adult (15-49 years of age) HIV prevalence rate</td>
<td>24.6%</td>
</tr>
<tr>
<td>Women 15 years and older living with HIV</td>
<td>170,000</td>
</tr>
<tr>
<td>Children (0-14 years of age) living with HIV</td>
<td>13,000</td>
</tr>
<tr>
<td>AIDS-related deaths in 2014</td>
<td>9,900</td>
</tr>
<tr>
<td>Prevalence of TB/HIV coinfection</td>
<td>72%</td>
</tr>
<tr>
<td>Number of women diagnosed with cervical cancer</td>
<td>66.7 per 100,000</td>
</tr>
</tbody>
</table>

Source: GoL DHS 2014
HIV Prevalence by Age

Percent of women and men age 15-49 who are HIV-positive

Source: GoL DHS 2014
EGPAF-Lesotho Approach to Reaching 90-90-90 in Adolescents and Young Adults

- Development of adolescent HIV strategy

- Establishment of adolescent centres at high-volume MOH facilities

- Recruitment of full complement of adolescent multidisciplinary health team
  - Youth Ambassadors (paid staff aged 20-26 years old)
  - Pediatrician, Psychologists, social workers, adolescent HIV nurses and HTS

- Development of training materials on adolescent health
  - On-site training curriculum
  - Job aides
  - SOPs
  - Treatment literacy materials
  - Mentoring & site support

- Provision of extended hours and weekend services for adolescents in school
EGPAF-Lesotho Approach to Reaching 90-90-90 in Adolescents and Young Adults

• First 90
  • Mobilization of youth by Youth Ambassadors and provision of HTS services
  • Index/family testing
  • Test and treat campaigns targeted at youth
  • Targeted HTS campaigns for AYP

• Second 90
  • Test and treat approach at HFs and in Community

• Third 90
  • Establishment of facility and community based support groups to improve retention and adherence
Differentiated HIV Testing Services: Family Tree/Index Testing

• Family tree/index case testing events: 20 campaigns held in two districts
  
  • 13,224 participants in campaign
  
  • 5,793 clients tested
  
  • 55 HIV-positive adolescents identified plus additional 13 pre-ART identified (total 68, 1.2% positivity)
  
  • 61 initiated on ART (90% linkage)
Differentiated HIV Testing Services: Integrated with Immunization and Inpatient

• HTS during February Measles Rubella vaccination campaign
  – Vaccination Campaign targeted at 0-14 yr olds
  – EGPAF provided Test and Treat Services
  – 6,994 tested, 4,095(59%) 0-19 yr olds
  – In total 203 (2.9%) positive
  – 162 (80%) initiated on ART in one quarter

• Inpatient testing:
  – Targeted age: 0-19 years
  – Total tested: 1086 with 17 (1.6%) newly tested HIV positive
Differentiated Service Delivery for Treatment: Extended hours and Integrated Community Outreach

<table>
<thead>
<tr>
<th>District</th>
<th>Sites Providing Extended hours (# and%)</th>
<th>Sites with Integrated ART Outreaches (# and %)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Berea</td>
<td>5 (26%)</td>
<td>17 (89%)</td>
</tr>
<tr>
<td>Leribe</td>
<td>14 (52%)</td>
<td>26 (96%)</td>
</tr>
<tr>
<td>Mafeteng</td>
<td>6 (30%)</td>
<td>19 (95%)</td>
</tr>
<tr>
<td>Maseru</td>
<td>14 (39%)</td>
<td>23 (64%)</td>
</tr>
<tr>
<td>Mohale’s Hoek**</td>
<td>1 (7%)</td>
<td>1 (7%)</td>
</tr>
</tbody>
</table>

Services provided in the community:
- PITC and Index Testing
- ART Initiation
- ART Refills
- Adherence and Retention support

Extended hours definition:
- Start Early before 8:00a.m.
- Close late after 5:00p.m
- Weekend services

** All sites with EPI/PHC outreaches.
Trends of Quarterly HIV Testing Services for adolescents

Number of adolescents

Timeline by quarters.

Source: EGPAF-Lesotho program data
Trends of Quarterly New on ART Enrolment for HIV positive adolescents

Number of adolescents

Timeline by quarters

Source: EGPAF-Lesotho program data
Trends of Adolescents aged 15-19 Year Currently on ART

Timeline by quarters

Source: EGPAF-Lesotho program data
HIV Testing among Adolescents aged 10 – 14 Years in Lesotho

- Number of adolescents

HIV Care cascade

- Received HIV test
- Tested HIV Positive
- Started on ART
- Current on ART

Source: EGPAF-Lesotho program data
HIV Testing and Treatment Cascade for Adolescent 15 – 19 Years in Lesotho

Female:
- Received HIV test: 32,306
- Tested HIV Positive: 1,092
- Started on ART: 4,105
- Current on ART: 485
- Documented VL in Patient File: 331
- VL <1000: 136

Male:
- Received HIV test: 11,204
- Tested HIV Positive: 968
- Started on ART: 152
- Current on ART: 2,287
- Documented VL in Patient File: 315
- VL <1000: 214

Source: EGPAF-Lesotho program data
Age distribution among ANC attendees Oct 2016 – Mar 2017

<table>
<thead>
<tr>
<th>Age (years)</th>
<th>Number of PMTCT women</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-14 Years</td>
<td>33 (0.3%)</td>
<td></td>
</tr>
<tr>
<td>15-19 Years</td>
<td>2,458 (20.4%)</td>
<td></td>
</tr>
<tr>
<td>20-24 Years</td>
<td>3,972 (32.9%)</td>
<td></td>
</tr>
<tr>
<td>25-49 Years</td>
<td>5,605 (46.4%)</td>
<td></td>
</tr>
</tbody>
</table>

Source: EGPAF-Lesotho program data
Title: Measuring Clinical Outcomes (retention and viral loads) among a prospective cohort of adolescents living with HIV enrolled on ART and followed up for 36 months.

The primary aim: to evaluate selected clinical outcomes and retention among a cohort of HIV-infected ART naïve adolescents accessing chronic HIV care and treatment services in the context of the Test and Treat approach to antiretroviral treatment.
THANK YOU