Scaling Up Male Circumcision: Costs and Benefits

Lori Bollinger
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Purpose of Decision Makers Program Planning Tool (DMPPT)

- Excellent clinical evidence for male circumcision (MC)

- Current WHO/UNAIDS guidelines recommend MC in generalized epidemic settings with high HIV/low MC prevalence

- The DMPPT Excel estimates the impact of alternative strategies on:
  - New adult HIV infections averted (age 15-49)
  - Service delivery requirements
  - Costs/cost effectiveness
Background on the Model

- **Collaborative development process**
  - USAID | Health Policy Initiative in 2007
  - Adopted by UNAIDS/WHO/SACEMA Expert Working Group on Male Circumcision
  - Field-tested in 2008 (Botswana, Namibia)

- **Results today**
  - Desk studies using readily available data for 14 East and Southern African countries in 2009
Data Requirements and Collection Process

• Facility-based *costing* model
  – Direct and indirect costs, complication rates, demand creation
  – Data collection stratified by country-specific characteristics

• National-level *impact* model
  – Demographic and epidemiological data
  – Transmission rates (default values)

• Coordinated with national government steering committees
Key Results from 14 Country Desk Study: Existing MC Coverage
Key Results from 14 Country Desk Study: Adding in Newborns
Key Results: Only Newborn MCs Remain After Initial Scale-up
Key Results: Additional Cost

Additional cost of scaling up male circumcision by country (Millions of US$)
Number and Percentage of Cumulative Infections Averted
Conclusions

- **Desk studies**: Scaling up to reach 80% coverage within 5 years in 14 East/Southern Africa countries potentially averts up to 4M or 22% of new adult HIV infections.

- **Country studies**: Average unit cost varies between US$21-74, with the largest proportion occurring from commodities and direct salaries.

- How will information from DMPPT be used?
  - Develop implementation plans
  - Examine task-sharing/shifting implications
DMPPT for Male Circumcision
Available at: http://www.malecircumcision.org/programs/DMPPT.html