Assessing Acceptability of & Adherence to Multipurpose Prevention Technologies (MPTs)

Elizabeth Tolley, PhD
Senior Scientist
FHI 360
Overview of Presentation

• Acceptability and Adherence
• Target Product Profile (TPP) and how it can inform acceptability and adherence
• MPT vaginal ring
Advantages of MPT

- Responds to overlapping risks of unintended pregnancy, HIV and/or sexually transmitted disease
  - Acceptability: May have higher demand than a single purpose product because of association with individual or dual indications
  - Adherence: May be easier to adhere to than two single purpose regimens
- But, high rates of HIV and pregnancy and low rates of condom use suggest need to understand factors influencing acceptability and adherence
Acceptability versus Adherence

Overlapping but distinct concepts

Acceptability:
- Hypothetical willingness to use a product
- Choice of one product among different options
- Continued use of a product over time

Adherence:
- Extent to which a product is used according to instructions
- Includes timing, dosage, and duration of use
- Patterns of use may change over time
Relationship between Concepts

Acceptability does not always lead to high adherence.

Adherence may be achieved in absence of acceptability.

- Cultural Norms
- Community Attitudes
- Partner Perspectives
- Individual
- Product Attributes
- Skills & Preferences
- Relationship Context
- Service Delivery Infrastructure
- Policies & Legislation
<table>
<thead>
<tr>
<th>Target Product Profile (TPP) and Social Behavioral Correlates</th>
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<tbody>
<tr>
<td>• Indication</td>
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<tr>
<td>• Target Population</td>
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<tr>
<td>• Effectiveness Level</td>
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<tr>
<td>• Presentation</td>
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<tr>
<td>• Side Effect Profile</td>
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<tr>
<td>• Dosing Regimen</td>
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<td>• Storage Requirements</td>
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<td>• Pricing</td>
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<td>• Infrastructure Required</td>
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<tr>
<td>• Which combination could achieve highest impact?</td>
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<td>• Would create highest demand?</td>
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<td>• Who is likely to have high demand?</td>
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<td>• What barriers to access may exist?</td>
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<td>• How will dosing/use preferences affect actual effectiveness level achieved?</td>
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<td>• What preferences for product attributes?</td>
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<td>• How will perceived and experienced SEs affect demand and provision?</td>
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<td>• How does dosing regimen affect adherence?</td>
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<td>• How will shelf life and storage requirements affect distribution and supply?</td>
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<td>• How does cost to programs affect general access?</td>
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<td>• How does cost to users affect overall demand?</td>
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<td>• What training is required for provision? Can it be provided/resupplied over-the-counter? By CBD?</td>
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Assessing Acceptability of MPT Vaginal Ring

**Effectiveness**
- Assess providers’ and users’ understanding of effectiveness for each indication and its impact on sexual behaviors and use of other prevention methods.

**Target Population**
- Characterize potential users interested in contraceptive, HIV or both indications.

**Use Instructions**
- Evaluate willingness/ability to adhere to insertion, removal & cleaning instructions.
- Determine providers’ and users’ information needs.

**Side Effect Profile**
- Assess attitudes towards potential side effects – experienced and/or perceived.
- Determine providers’ and users’ information needs.

**Service Delivery Infrastructure**
- Examine logistical, training needs.
- Consider appropriate service delivery channels.
- Evaluate impact of channel on product access and demand.
Multipurpose Technologies: Considerations

• Acceptability to whom?
  – Multiple indications of MPT will be valued differently by different potential user groups
  – Partners, providers, and other stakeholders also influence acceptability and adherence

• Which attributes of a product assessed?
  – May depend on stage of product development
  – Some attributes more amenable to modification

• How will other factors influence acceptability and use?
  – Understanding these early can assist in product development and planning for introduction
Thanks!

- For more information, contact:

  Elizabeth Tolley (Betsy)
  Senior Scientist, Social & Behavioral Health Sciences
  FHI 360
  btolley@fhi360.org