Behavioral and Social Science in Biomedical HIV Research

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Behavioral and Social Science Spanning Discovery to Implementation Science
Advances in HIV/AIDS

- PMTCT
- Combination ART
- Benefit of early ART
- Treatment as Prevention (TasP)
- Rapid (self/home) HIV testing
- Pre-exposure prophylaxis (PrEP)
In an era of great biomedical advances in HIV/AIDS, what contributions can behavioral and social science make?

- Improving use and impact of proven products/strategies
- Strengthening biomedical HIV research
A Framework for Behavioral and Social Science (BSSR) in the Fight Against HIV/AIDS

HIV/AIDS PREVENTION, CARE, and CURE supported by four BSSR foundations

- Elemental BSSR
- Supportive BSSR
- Integrative BSSR

Basic BSSR

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<thead>
<tr>
<th>BSSR Type</th>
<th>Description</th>
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<tbody>
<tr>
<td>Basic BSSR</td>
<td>Understanding vulnerable populations and risk settings</td>
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<tr>
<td>Elemental BSSR</td>
<td>Improving behavioral and social factor risk reduction</td>
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<tr>
<td>Supportive BSSR</td>
<td>Strengthening biomedical HIV product development and clinical trials</td>
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<tr>
<td>Integrative BSSR</td>
<td>Contributing to effective implementation of combination/multilevel strategies</td>
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Optimizing Real-World Impact

- Drug
  - Oral ART, PrEP, PMTCT, long acting regimens, prime-boost vaccines, etc.

- Behavioral support
  - Supporting care engagement, retention, and adherence

- Effective care and service provision
  - Provider and clinic factors; culturally competent care

- Supportive social, structural, and policy environments
  - Addressing stigma; community support; structural barriers
Behavioral and Social Science Research Along the Continuum

HIV Prevention → Uptake of PrEP Behavior Modification Routine HIV Testing

Linkage to HIV Care → Adherence Treatment as Prevention (TasP)

HIV Testing

Key Populations- across the lifespan

Psychological Processes
- Mental Health
- Depression
- Anxiety
- Comorbidities
- Stigma
- Resiliency
- Social Support

Policy → Financial Assistance → Food Security → Violence → Social Networks

HIV Testing

B

Behavior Modification

Routine HIV Testing

Adherence

Treatment as Prevention (TasP)

Uptake of PrEP

Behavior Modification

Policy