The RHANI Wives Intervention: Combating Marital HIV Transmission

**Table 2: RHANI Wives Intervention content**

<table>
<thead>
<tr>
<th>Timing</th>
<th>Session</th>
<th>Topics</th>
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<tbody>
<tr>
<td>Week 2-4</td>
<td>Group Session 1</td>
<td>Group support and education on HIV and marital communication</td>
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<tr>
<td>Week 3-6</td>
<td>Individual Session 3</td>
<td>Alcohol; spousal violence; HIV; women’s health, empowerment, and safety</td>
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<td>Week 4-8</td>
<td>Group Session 2</td>
<td>Group support; education on local social services and HIV/STI clinical care, marital violence, and alcohol counseling</td>
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<tr>
<td>Week 5-9</td>
<td>Individual Session 4</td>
<td>Alcohol; sexual violence; HIV; local social support and health services available post-intervention termination</td>
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**HIV in India**

Despite overall reductions in global HIV prevalence, the proportion of Indian women infected with HIV increased by 14% between 2001 and 2009.1,3 Marriage, particularly when characterized by marital violence and husband’s risky alcohol use, became the primary risk factor for HIV among women in India.1,4-6 The Raising HIV Awareness in Non-HIV Infected Indian Wives (RHANI Wives) intervention was conducted from 2009 to 2011 to promote sexual and reproductive communication and empowerment among couples at-risk for HIV in Mumbai, India.

**The RHANI Wives Intervention**

The RHANI Wives intervention curriculum was grounded in Bandura’s Social Cognitive Theory7 as well as Connell’s Theory of Gender and Power8 to support gender equity and behavioral change considerations [See Figure 1]. The intervention, supported use of education via storytelling, discussion and skills building on these issues. [See Figure 2] The curriculum included material on safer sex, marital communication, marital stressors, and marital violence [See Table 1]. Over 6-9 weeks, Masters-level counselors conducted four household-based individual sessions and two small group sessions with at-risk Indian wives aged 18-40 years. Counselors were trained in curriculum content and approach, as well as supported referral provision, for both social and clinical care services.

**Figure 1:** Application of Social Cognitive Theory (SCT) and Theory of Gender and Power (TGP) to the RHANI Wives Intervention

**Figure 2:** Example Curriculum: Storytelling pictures on father involvement, marital communication and husband alcohol use

**Relationship & Context**
- Division of Labor: Financial stress and reliance on husband
- Division of Power: Husband’s economic control material violence
- Catharsis (norms): Believes husband has right to spousal violence, sexual control, alcoholic abuse, & extramarital sex to cope with stress

**Individual Skills Building**
- Marital communication; sexual negotiation; condom use; acquisition of social support and social service

**Individual HIV Beliefs & Risk Perception**
- HIV knowledge; condom use and negotiation self-efficacy, HIV risk perceptions

**Discuss SCT Risks**

**Evaluation of RHANI Wives**

Using a two-armed randomized controlled trial design, we assessed the short-term impact of the RHANI Wives intervention on mitigating risky sexual behaviors and marital violence, as well as assessing the intervention’s feasibility based on program participation, retention rates, and program participant responses. Participants, recruited from a slum community in Mumbai, India, were assigned to receive RHANI Wives, or an educational brochure on HIV/STI risk, and surveyed at baseline and 4.5 month follow-up. Surveys, conducted only with women, assessed socio-demographics, sexual behaviors, and marital violence. Time by treatment analyses assessed program impact on unprotected sex and condom use, sexual communication, and marital violence.

**References**

Table 3: Characteristics of Sample, Marries women aged 18-40 years, at Baseline Survey

<table>
<thead>
<tr>
<th>Sex risk</th>
<th>73.6% No Condom Use, past 90 days</th>
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<tbody>
<tr>
<td>Marital Communication</td>
<td>89.1% Never Asked Husband to Use a Condom, past 90 days</td>
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<td>62.3% Never Asked Husband about FSW Involvement, past 90 days</td>
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<tr>
<td>Husband Alcohol Risk</td>
<td>76.8% Husband drank alcohol, past 30 days</td>
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<td>74.0% Husband heavily drunk at least once, past 30 days</td>
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<td>Spousal Violence</td>
<td>34.1% Physical or Sexual Violence from Husband, past 3 months</td>
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<td>21.0% Coerced at Last Marital Sex</td>
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Impact of the RHANI Wives Intervention

The RHANI Wives Intervention effectively reduced HIV risk by decreasing unprotected sex (via increased condom use) and sexual communication among couples. Reduction in marital sexual violence was also observed, though no effects were seen on marital physical violence.

Observed effects were strongest for those receiving all four individual counseling sessions. Participation in groups proved difficult for many women due to constraints on their time. A goal of the original intervention design was to include access to microfinance, but low group participation impeded engagement with microfinance opportunities in practice. These findings corroborate studies conducted in Asia, Africa, and the U.S. that document the utility of gender-equity focused sexual risk reduction programs, inclusive of counseling for partner violence, for women at risk for HIV.

Case Study

A 22 yr old housewife, married for three years and living with her in-laws, used to characterize her marriage as difficult due to her husband’s alcohol consumption. She believed that his alcohol use caused or exacerbated his physical and sexual violence toward her.

“After drinking alcohol, he shouts and sometimes, beats me. Because of his intoxication he wants to have sex but I don’t like the smell of alcohol. He watches some (pornographic) movies, and wants to experience all this, and demands anal sex. My father-in-law sleeps in same room.”

Due to the RHANI Wives program, she can now negotiate for a healthier, and safer marriage:

“When he demanded anal sex, I told him that it is not good and shared information and pamphlets on STI and HIV. After listening to this, my husband stopped reacting like he used to with me before. He doesn’t force me to have sex.”

Conclusion and Implications

RHANI Wives is a promising counseling intervention for women at risk for HIV and potentially for those contending with marital sexual violence. Given the findings of effectiveness related to unprotected sex with married women of childbearing age, the program could be extended to addressing contraceptive use and unintended pregnancy as well. This intervention may not be suited for women contending with very severe or potentially life-threatening violence, as it is not focused on safety planning or separation from husbands. However, for women experiencing marital sexual violence who wish to remain in residence with their spouse, this approach could be promising in terms of supporting women to voice their sexual preferences and affect their sexual interactions with their husbands in ways that allow them more respect and control over sexual decision-making. Longer term follow-up is needed to determine longer term effects of the intervention. Additionally, more research is needed on how the intervention may be scaled up and adapted for other locations and populations.