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Community mobilisation and empowerment of female sex workers is significantly associated with reduced HIV/STI risk in Karnataka state, south India [Abstract # THPE275]

Tara Beatte1,2, Parinita Bhattacharjee2,3, Sudha Chandrashekar1, H L Mohan2,3, M Suresh1,3, Dhanunjaya Rao3, Shajy Isaac2,3, Ravi Prakash1, Peter Vickerman1,2, Lori Heise1,2, BM Ramesh2,3,4, Stephen Moses2,3,4, Charlotte Watts1,2

1London School of Hygiene and Tropical Medicine, 2STRIVE, 3Karnataka Health Promotion Trust, 4University of Manitoba

Background

- Community mobilisation (CM) and empowerment of female sex workers (FSWs) forms a central component of targeted HIV prevention programmes in India.
- This study examined the impact of community mobilisation on FSW empowerment, risk behaviours and HIV/STI prevalence in 4 districts in Karnataka state, south India.

![Figure 1. Community mobilisation and empowerment activities of Karnataka Health Promotion Trust (KHPT)](image)

Methods

- Three behavioural-biological surveys were conducted in 2005 (R1), 2008 (R2) and 2011 (R3) with random samples of FSWs in 4 districts (Bellary, Bangalore, Shimoga, Belgaum).
- Exposure to CM activities was defined as:
  - 'high' (member of a FSW collective or self-help group)
  - 'medium' (attended drop-in centre or NGO meeting)
  - 'low/no' (none of the above)
- Weighted multivariate analysis was carried out, adjusting for socio-demographic confounders

![Figure 2. Hypothesised causal pathway between community mobilisation and FSW empowerment, risk behaviours and HIV/STI prevalence](image)

Results

- 5792 FSWs participated in the study. Mean age 32.1 years (range 17-65). 43.8% street, 32.0% home, 14.7% phone, 9.5% brothel-based.
- By the final IBBA round, FSWs with higher exposure to CM were significantly more likely than those with low/no exposure to report:
  1. increased levels of collective and individual power
  2. increased knowledge and uptake of HIV and STI services
  3. increased condom use with clients and regular partners
  4. reduced gonorrhoea and chlamydia prevalence

![Graphs showing increased levels of collective and individual power, knowledge and uptake of HIV and STI services, condom use, and reduced gonorrhoea and chlamydia prevalence](images)

Conclusions

Community mobilisation is a central part of HIV prevention programming, empowering FSWs to better negotiate condom use and access services, as well as address other concerns in their lives.

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