ARE VENUE-BASED STRATEGIES THE TICKET TO THE LAST MILE IN HIV PREVENTION IN MALAWI

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BACKGROUND

- In 2016, Blantyre District had the highest adult prevalence in Malawi (17% overall; 22% in women) the lowest viral suppression rate (60%).
- In response, the MOH expanded prevention treatment strategies.
- We hypothesized that social venues patronized by peo with high sexual partnerships rates could identify second groups currently missed.

METHODS

- We conducted cross-sectional bio-behavioral surveys representative samples of individuals seeking care government clinics (n=2313) and social venue patro (n=1802) Jan-Mar 2022.
- Clinics were randomly selected from government clin providing HIV testing.
- Venues were randomly sampled from urban and rule strata with oversampling of rural venues.
- Sampling weights were based on 2-stage sampling probabilities.
- We followed national testing protocols for rapid testing recency testing and viral load measurements.
- Acute infections were identified by pooling dried block spots from persons with an HIV- rapid test.



HIV and and ople sub- s of a in ons	Along with other proven strathas an important role in real prevention among high risk approximately 900 people infection could be reached at social time. Over half could identified venue clusters. 40% with unsuppressed HIV at ver partner in the past 4 weeks venues who are HIV negative
nics ural	not using condoms at all or
oling ests, ood	 RESULTS Compared to the clinic population, the venue pop 28%); aged >25 years (61% vs 51%); unmarried 8%); have more sexual partners in the last year past 4 weeks (42% vs 15%); and report transacti HIV prevalence (Table 1) was higher among the venue HIV+ suppressed was similar (78% vs 79%). Among women recruited at venues, prevalence in the last year past of the venue set of
	 among age 18-21. At venues, factors associated with HIV infection in new partner in the past 4 weeks (28% vs 13%) at Acute (0% vs 0.6%) and recent infections (4.7% respectively. Clinic participants who reported visiting venues we compared to other PLHIV clinic participants (53%) Among both populations, reporting a genital sore suppression (40% vs 20% in clinic; 48% vs 20%)





tegies, venue-based testing aching the last mile in HIV In Blantyre, populations. HIV unsuppressed with social venues during a peak be reached in 4 of 37 6 of men and 33% of women nues reported a new sexual s. Of the people at social ve, 21% reported having a st 4 weeks and were either using them inconsistently.

pulation was more likely to: be male (69% vs ed (62% vs 40%); drink alcohol daily (44% vs (mean 16 vs 2); report a new sex partner in the ional sex (52% vs 12%).

venue population (19% vs 9%); the proportion

increased by age: 0% among age 15-17 to 43%

include being female (39% vs 10%); having a and transactional sex (25% vs 12%). vs 9.7%) were uncommon in clinics and venues

were less likely to have a suppressed viral load % vs 81%).

in the past 4 weeks was associated with nonin venues).



- cost.

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CONCLUSIONS

Lower HIV prevalence and greater viral suppression suggests that Blantyre's HIV epidemic is slowing. Strategies to further reduce transmission should include outreach to venues with higher prevalence of unsuppressed infection and to young women at venues. Testing for acute or recent infection yielded few cases and thus did not provide sufficient value to warrant the

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