BB Bavinton; N Panaphuk; F Jin; I Zabloitska; B Grinstein; G Prestage; AE Grulich and Opposites Attract Study Group

1The Kirby Institute, The University of New South Wales, Sydney, Australia. 2Thai Red Cross AIDS Research Centre, Bangkok, Thailand. 3Instituto de Pesquisa Clínica Evandro Chagas, Rio de Janeiro, Brazil. 4Australian Research Centre in Sex, Health and Society, La Trobe University, Melbourne, Australia.

Presenting author email: bbwinton@kirby.unsw.edu.au

Introduction: There are few data about the range of strategies used to prevent sexual HIV transmission within homosexual male serodiscordant couples (HM-SDC).

Methods: Opposites Attract is an ongoing cohort study of HM-SDC. At baseline, HIV-positive partners (HPP) had viral load (VL) tested; HIV-negative partners (HNPs) reported the previous three months’ sexual behaviour and perception of the HPP’s last VL test. Each act of condomless anal intercourse (CLAI) within couples was categorised by HIV prevention strategy.

Results: By February 2016, 331 couples were enrolled (Australia = 151, Brazil = 73, Thailand = 89). At baseline, 78.8% of HPPs had undetectable VL (UVL); however, only 55.9% of HNPs perceived their partners to have UVL (96.4% of HPPs who were perceived to have UVL actually did). In the previous three months, 53.2% of couples had CLAI: 46.5%, 28.1%, and 15.7% of HNPs reported insertive CLAI, receptive CLAI with withdrawal, and receptive CLAI with ejaculation respectively. Eighteen HNPs (5.4%) took daily pre-exposure prophylaxis (PrEP). Over the previous three months, HNPs reported a total of 8439 acts of anal intercourse with their HPP (mean per couple = 25.5). Of these, 4627 (54.8%) were protected by condoms, while there were 3812 (45.2%) acts of CLAI. Of the CLAI acts, 2488 (65.3%) were when the HNP perceived his HPP to have UVL; 94 (2.5%) were protected by PrEP in the HNP; and 244 (6.4%) were protected by perceived UVL in the HPP and PrEP in the HNP. Of the remaining 986 CLAI acts where the perceived VL was detectable or unknown and were not protected by PrEP, 484 were when the HNP was insertive (strategic positioning) and 428 were when the HNP was receptive (277 with withdrawal and 151 with ejaculation). Overall, 53.9% of all anal intercourse acts reported by HNPs were protected by condom use, 33.6% by perceived UVL, 4.2% by PrEP, and 6.0% by strategic positioning; while 3.4% were receptive with withdrawal, and 1.9% were receptive with ejaculation.

Conclusions: Couples used condoms, PrEP or perceived UVL for prevention in the vast majority of anal intercourse acts. Only a very small proportion of events were not protected, and the majority of receptive CLAI acts involved withdrawal.

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Reaching the unreachable: MSM recruitment strategy using social networks to HIV prevention services in Guatemala city

R Mendizabal-Burastero; C Galindo-Andari; MP Yancor; I Vela and JM Aguilar-Martinez

Colectivo Amigos contra el Sida, Guatemala, Guatemala

Presenting author email: rmendizabal@gmail.com

Introduction: Men who have sex with men (MSM) report a 9% HIV prevalence in Guatemala, and only 45% of them had an HIV test done in the last 12 months. Evaluation of prevention programs report that these interventions target the same MSM with the same messages repeatedly; and the coverage of HIV prevention interventions represent less than 10% of MSM estimation. The need to improve access to HIV testing is an urgency in Guatemala.

Description: Colectivo Amigos contra el Sida (CAS) is a mostly gay association that work in HIV prevention. Several strategies were developed to increase HIV tested and diagnosed MSM in Guatemala city in 2014 and 2015. First, a strong group of volunteers were conformed and trained, a result of the implementation of HIV prevention model Ppowerment. An intense work of “snowball” outreach by social networks was performed. Facebook, Twitter, Grindr and WhatsApp were used to promote HIV testing services, by direct message for promotion. Each promotor started with their own social network, and the inclusion of new volunteers, that shared their networks, helped to continue the recruitment. Also, the inclusion in sex encounters groups in WhatsApp or Facebook also provided an interesting platform to find MSM. The MSM “social stars” also represented a good way to reach more MSM networks.