



RESEARCH ARTICLE

Perceived risk and condomless sex practice with commercial and non-commercial sexual partners of male migrant sex workers in London, UK [version 1; peer review: 1 approved with reservations]

Elisa Ruiz-Burga

University College London, Great Ormond Street, Institute of Child Health, London, WC1N 1EH, UK

V1 First published: 11 Oct 2021, 10:1033
<https://doi.org/10.12688/f1000research.73248.1>
Latest published: 11 Oct 2021, 10:1033
<https://doi.org/10.12688/f1000research.73248.1>

Abstract

Background: Since the emergence of HIV and the AIDS pandemic, the majority of risk-reduction interventions have been centred on the use of condoms in sex workers.

Methods: This qualitative study recruited 25 male migrant sex workers in London to understand their risk perception and condomless sex experiences within the context of sex work and private life. The data was collected using face-to-face interviews, analysed using thematic analysis, and the findings interpreted through the theory of planned behaviour.

Results: The themes explain that condomless sex with clients occurred when participants consciously accepted to perform this service deploying a risk assessment of clients, faulty strategies, and sexual practices to reduce their risk; or when they lost control because of recreational drugs, feeling attraction to clients, in precarious circumstances, or were victims of violence. Conversely, condomless sex with non-commercial partners occurred according to the type of relationship, with formal partners it was rationalised through emotional aspects attached to this kind of relationship, while with casual partners it was connected to sexual arousal and the use of alcohol and drugs.

Conclusions: Reinforce educational interventions to deliver STI-HIV information, enhance the use of condoms, and to address specific contextual factors that facilitate condomless practice with commercial and non-commercial sexual partners.

Keywords

HIV, STI, male migrants, sex work, condomless sex

Open Peer Review

Reviewer Status ?

Invited Reviewers

1

version 1

11 Oct 2021

?

report

1. **Prof Victor Minichiello**, La Trobe University, Melbourne, Australia

Any reports and responses or comments on the article can be found at the end of the article.



This article is included in the [UCL Child Health gateway](#).

Corresponding author: Elisa Ruiz-Burga (e.burga@ucl.ac.uk)

Author roles: Ruiz-Burga E: Conceptualization, Data Curation, Formal Analysis, Investigation, Methodology, Project Administration, Resources, Software, Writing – Original Draft Preparation, Writing – Review & Editing

Competing interests: No competing interests were disclosed.

Grant information: The author(s) declared that no grants were involved in supporting this work.

Copyright: © 2021 Ruiz-Burga E. This is an open access article distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

How to cite this article: Ruiz-Burga E. **Perceived risk and condomless sex practice with commercial and non-commercial sexual partners of male migrant sex workers in London, UK [version 1; peer review: 1 approved with reservations]** F1000Research 2021, 10:1033 <https://doi.org/10.12688/f1000research.73248.1>

First published: 11 Oct 2021, 10:1033 <https://doi.org/10.12688/f1000research.73248.1>

Introduction

Since the emergence of HIV and the AIDS pandemic, sex workers were considered a highly vulnerable group¹ because of their high-risk exposure to acquire these infections compared to adult non-sex workers.² Across the globe, approximately 8% of the newly HIV cases are reported among sex workers.³ Of serious concern are male sex workers (MSW) who are at more HIV risk than female sex workers (FSW). Receptive anal intercourse and insertive anal intercourse are considerably at higher risk of HIV transmission than vaginal sex.⁴ Further, MSW are greatly affected by other sexually transmitted infections (STIs).⁵⁻⁷ In response to AIDS and the concurrent increase in HIV prevention research, numerous interventions that aimed at decreasing the risk of infection have been conducted to reduce the practice of condomless sex.⁸⁻¹¹ After decades, there is still a debate about the success of these interventions - while some authors claim that new infections are yet associated to an inconsistent use of condoms,^{12,13} others argue that MSW are using them more regularly, for either insertive anal sex or receptive anal sex.¹⁴⁻¹⁶

A large number of sex workers in Europe are migrants who are living and working in disadvantaged circumstances, facing isolation and social exclusion.¹⁷⁻¹⁹ Moreover, migrant sex workers are extremely exposed to HIV and STIs due to their overlapping risks^{3,6,20} and structural inequalities that can create difficulties to use health services for HIV prevention, testing and treatment^{17,21,22} in some European countries. For example, it has been reported that male street sex workers, in particular illegal migrants in Germany, have lack of access to health care services due to their socio-legal position.²³ This is a significant aspect as non-European sex workers who are highly mobile in Europe¹⁹ and are under different migration status,²⁴ can be impacted by the legislation and internal policies of each country that determines their access to the health care services.¹⁷ In the United Kingdom, an important proportion of the sex work population is represented by male migrant sex workers (MMSW) who mostly work indoors in London.²⁵⁻²⁷ Reports show that they are mainly from Europe, Latin America and the Caribbean countries.^{26,28} Epidemiological and qualitative research have demonstrated that these migrants utilize national health care services (NHS), including sexual health clinics. In this manner, they can be tested for HIV and other STIs, receive counselling, adequate information, and a provision of condoms and lubricants.^{24,29} However, a study using national data demonstrated that although the use of sexual health clinics does not vary between British MSW and MMSW, the latter group seem to be more exposed to HIV and chlamydia infections.²⁹

This paper explores the risk perception and condomless sex experiences of MMSW with commercial and non-commercial sexual partners, as discrepancies have been reported in the use of condom according to the type of sexual partner,^{14,16,30-32} and the sexual role performed during the act.²⁷ In this manner, this paper aims to contribute to lessons learnt and recommendations for future educational interventions for this highly vulnerable group. This paper is pertinent in an era when the role of behavioral interventions is evolving with the advent of efficient alternatives of prevention such as pre-exposure prophylaxis (PrEP) and post-exposure prophylaxis (PEP). Despite of the efficacy demonstrated by the PrEP scheme, it requires high adherence to the treatment, strict laboratory monitoring,³³ and more importantly, the use of supplementary methods of prevention such as the use of condoms to further reduce the HIV risk, and specifically for protection against other STI; since PrEP only protects against HIV.³⁴

Methods

Study design and recruitment

This qualitative research was carried out between May 2013 to August 2015. Convenience sampling method was used to recruit men aged 18 and over, who were non-British, lived in the country for at least one year, and who had worked or were still working as sex workers. The main recruitment sites were sexual health clinics and projects that provide health and social services to sex workers in London. Health professionals and health workers took part in the recruitment by providing the participant information sheet (PIS) and flyers to potential participants.

Data collection and analysis

An interview guide was prepared using pertinent literature and first-hand information obtained from researchers and health professionals working in projects or programmes focused on sex work in London. The questionnaire (**Underlying data**)³⁵ was tested on three MMSW, however the results were not included in the final analysis. Participants were interviewed in counselling rooms and small meeting rooms located in St. Marys hospital and City, University of London to secure their privacy. Literal transcription of the recordings was printed and revised by each participant to confirm their accuracy. In this manner, the risk of misinterpretation and misunderstanding was minimised. The software **ATLAS.ti** version 8-0 was used to store the data and thematic analysis was performed as previously described.³⁶ Coding rules were established as well as a clear definition of the themes to avoid ambiguity or inconsistency. For this investigation, 'condomless sex' was defined as any penetrative or receptive sexual intercourse (oral, vaginal, or anal) without using condoms. Conversely, 'safer sex' was specified as the use of condoms for the aforementioned practices. The emergent themes were interpreted using the theory of planned behavior (TPB)³⁷ framework. This theory is based on the significance of attitudes, norms, and perceived control to explicate different forms of risky behaviours,³⁷ and to

plan health interventions.³⁸ In this manner, the analysis was focused on 1) attitudes towards the use of condoms: a result of personal beliefs about condoms; 2) subjective norms derived from participants' perception of what others think about condoms (normative beliefs) and their motivation to comply with norms, and 3) perceived behavior control: participant's beliefs about the degree of control they have over the use of condoms during the intercourse.

Ethical considerations and consent

This study was revised and approved by the Ethics Committee of City, University of London (18 April 2013, Ref: PhD/12-13/18), by the NRES London Central Committee (9 October 2013, Ref: 13/LO/1306, IRAS ID: 132947), and by the Research Committee of St. Mary's Hospital (15 January 2014, Ref:13SM1864). Written informed consent was obtained from all individual participants included in the study. This form was revised and approved by the ethics committee.

Results

Disclaimer

Due to the explicit nature of the interviews some quotes have been edited for clarity.

Main characteristics of the participants

In this study a total of 25 MMSW (n = 25) participated. This sample was almost evenly represented by men from Latin-America and Europe. The socio-demographic characteristics of participants as well as their patterns of migration, and entrance into sex work suggest their diversity (Table 1). The whole group was operating as independent internet-based escorts, providing sexual services to men and women. The latter in the context of sexual services for 'couples' (man and woman). The analysis shows two dominant themes and distinct subthemes:

Table 1. The socio-demographic, immigration status and sexual health characteristics of participants.

Home-country	Total (n = 25)
Brazil	10 (40%)
Colombia	02 (8%)
Bulgaria	02 (8%)
Spain	06 (24%)
Italy	02 (8%)
Portugal	01 (4%)
Latvia	01 (4%)
Nigeria	01 (4%)
Age (mean [range], years)	33 (24-44)
Patterns of immigration to the UK	
Direct migration	14 (56 %)
Multi-stage migration	11 (44%)
Age at emigration (mean [range], years)	24 (13-40)
Years living in the UK (median [range], years)	06 (1-23)
Entrance into sex work	
Age (median [range], years)	27 (14-41)
Years in sex work (mean [range], years)	06 (1-16)
Level of education achieved	
Primary	02 (8%)
Secondary	10 (40%)
Further/higher education	13 (52%)
Sexual orientation reported	
Gay	19 (76%)
Bisexual	06 (24%)

Table 1. *Continued*

Home-country	Total (n = 25)
Currently using recreational drugs at work	
Yes	15 (60%)
No	10 (40%)
Currently using recreational drugs in personal life	
Yes	18 (72%)
No	07 (28%)
STI reported	22/25 (88%)
Syphilis	12 (48%)
Gonorrhoea	15 (60%)
Chlamydia	16 (64%)
Herpes	02 (8%)
Genital warts	03 (12%)
HIV	03 (12%)

A. Condomless sex with commercial sexual partners

This theme explains the perspective of the use of condoms within the context of sex work and experiences of condomless sex that contains three sub-themes:

1. Policy on condom use with clients

It describes the attitude and perceived norm about the use of condoms with clients. The statements indicate that the entire group of participants were aware of the HIV and other STIs, claimed to be risk averse, and more importantly, stated a consistent use of condoms as a perceived norm because of their work. In line with this, many of them have made explicit their rejection to condomless sex in their online adverts:

“Always, always condom, nothing without a condom, never, ever, ever. They can pay me any money, there are some offers, and some people asked me - do you do [condomless sex]? For that reason, in my profile I wrote no [condomless sex], don't even ask me”

Consistently, the majority of participants expressed a favourable attitude towards safer sex. For some, using condoms with clients was a way to differentiate sexual services from having sex in their personal life. Others thought that condoms were useful devices to avoid poor hygiene, odour, and some bodily features of clients that they find unattractive or dislike (e.g., overweight, excessive corporal hair). Most of the participants said that they especially demand the use of condoms to provide services such as vaginal intercourse, ‘full-service’ for men (usually include anal sex) and performing “passive” sexual role service (receptive anal sex):

“I offer a full service, a complete service but I try to be specific because people always ask you if you do without condom, So I always say condom, I won't give you my phone, I am a very discrete person and I only do outcalls.”

By contrast, other participants admitted an unfavourable attitude towards condoms. While the most mentioned concerns of losing clients that reject condoms, few did not like their use as it reduced their sexual arousal, especially with erection which caused difficulties in their sexual performance:

“I know that I won't have many clients if I insist on having oral sex with a condom, so I prepare to take that risk that is the only one that I prepare to take the chances.”

“I don't enjoy at all when I use a condom for [oral sex] because it is like you are sucking a rubber and I just get soft [lose the erection] when I wear a condom for a [oral sex], once again it is because of it something like squeeze it is a bit weird.”

The discrepancy between these two different perspectives suggests that risk awareness and intention of using condoms do not guarantee safer sex.

In addition, the analysis of the narratives showed that condomless sex with clients occurred in two different scenarios. In the first scenario participants perceived control of the situation and made a risk-taking decision to dismiss the use of condoms, and in the second, they lost control of the situation that ended in a condomless sex event. These are described under the following sub-themes:

2. Decision-making process to accept condomless sex

This sub-theme explains the decision-making process that participants applied to dismiss the use of condoms with clients. They used two main processes a risk assessment of the clients, and performing sexual practices that participants catalogued as *'low-risk'* in contracting HIV and other STIs. The participants assessed the risks of the client based on their physical appearance, followed by a subtle physical examination to identify sores, warts or blisters on genitals or rectum, or presence of penile discharge. Through this practice participants accepted condomless sex with customers that were labelled as *'healthy'* and *'clean'* (e.g., absence of warts):

“I [had sex with] him all without condom, but I was not a risk as I could tell that I was probably the second or third person who he has sex with. I think I could tell about everything I do not think he has anything because he probably has very little sexual life.”

The participants also considered some social and demographic characteristics to rank clients as *'low risk'* or *'high risk'*. In this instance, participants favoured clients who were *'married men'* for condomless sex as they were perceived as *'straight'* men who *'only have sex with their wives.'* In the same way, participants considered their *'regular'* clients with whom they had established a long-term and trustworthy relationship, as *'low risk'*:

“For example, yesterday I had a man from Barbados who looked very healthy, but I know he is from a high-risk region for these diseases. The guy was very clean, he was very nice”

“There are a couple of people that I don't use a condom because I know them for quite long time. I know it is not a good policy. I know I should use a condom with everybody and that's it, but there are few people that I do that.”

A second procedure to accept condomless sex with clients was the selection of sexual practices that participants considered as *'low-risk.'* By far, condomless oral intercourse (COI) was the most frequent practice. Some participants mentioned that as additional strategies of protection they reduce the time for COI and avoid contact with the client's semen. Although, condomless insertive oral intercourse (CIOI) and condomless receptive oral intercourse (CROI) were equally reported by participants, some assigned different levels of risk to each:

“I know it is less risky when I suck him than when he sucks me or to kiss him. But it is not for everybody, depend on of the situation”.

Another recurrent risk reduction practice mentioned was performing condomless anal sex as the active sexual role (penetrative anal intercourse) instead of a passive role (insertive anal intercourse), as it was perceived as less risky:

“Part of me think I am mainly top, I normally do not get people to [have sex with] me, I [have sex with] them, I am mainly top, and that is a very low risk, [censored]! I am not at risk because it is the very little rate to catch something if I am mainly top.”

“I think, I am in this scene, I am earning money, but I am also scared because this is very risky, but I always pray to God please nothing bad happen.”

3. Structural factors determining unplanned condomless anal sex

This sub-theme describes the role of four main factors that made participants to *'lose control'* or to be under pressure to perform condomless anal intercourse. One of the most recurrent conditions was the use of recreational drugs that provoked a strong sexual arousal among participants. Many of these events occurred when they were providing *'overnight'* or *'chemsex'* services:

“With crystal meth your brain is still more there, but with mephedrone you do not even think straight so much, you are so [aroused] that you do not even think, you only want sex, if I take mephedrone I know I am not going to use condoms”

A second recurrent and independent condition was feeling strong attraction to a client:

“Actually, I wasn’t on drugs, this time I wasn’t on drugs, I came to see this guy in the Ritz Hotel, and he was an Arabic, he was about my age, and he was so gorgeous! Sexy, he was like my God! I just wanted to eat him alive, he was so sexy and then, you know what actually I did it without condom”

A third factor driving condomless anal sex was the financial reward offered by clients, which was mostly reported by participants who were in precarious conditions. In these situations, the participants felt that they could not reject the offer:

“I had a client once, the same client three times because that client, he pays very well, much more than what I asked”.

“I am at risk if you ask me how I feel about it, not very safe, not very clever. But I gamble for the best, I need the cash, I need the cash for food, I need the cash for transport, and I need to get out of this hole because I smile when I meet new people and everything, but when I am alone is not easy.”

“Once I was really bad about money and a client called me and he wanted to take drugs also if you don’t take drugs, you can last all that you need or you can even cope with the client.”

The fourth condition describes scenarios in which participants were overpowered by clients who removed or broke condoms or took advantage of the dynamic during the sex session to perform condomless anal intercourse. This condition was usually reported by the participants who offer a ‘passive’ sexual role as part of their sexual services:

“I was having sex with a guy who was doing as active, and you know suddenly I saw him with the condom on his hand and I asking him, ‘Were you [having sex with] me without a condom?!’”

In few cases, participants reported that these events occurred in a context of physical and verbal violence perpetrated by clients, or within a context of drugs use:

“We were taking cocaine and drinking, I drank so much that day and I passed out [...] few hours later, I woke up and the reason that I woke up was because something was painful, ok? And the painful thing was that he was [having sex with] me on my sleep, he was [having sex with] me on my sleep and without condom.”

B. Condomless sex with non-commercial sexual partners

This theme describes experiences of unpaid or non-commercial condomless sex, which was defined as sexual acts without the use of condoms that were performed without any intention of material or economic reward. In general, many participants declared a more inconsistent use of condom with non-commercial sexual partners than with clients:

“Then it happened again, but he wasn’t a client he was a person that I met, a casual partner and again it was three months of waiting for the test and I was - Oh my God, I shouldn’t do it again!”

“I haven’t been in risk. My sexual practices are very low risk in the context of work, and the only person with I have been in high risk is with my ex-partner. During the time when we knew that he got infected we used protection until he completed the treatment”

This theme contains two sub-themes to differentiate condomless sex practice with formal sexual partners from casual sexual partners. Most of the participants reported having casual partners along with a formal partner in the past year.

The sub-themes are described below:

1. Condomless anal sex with formal partner

The category of formal sexual partner was used by participants to describe people with whom they had a romantic, stable/regular or committed relationship. Almost half of the group reported to have male formal sexual partners. Some mentioned that these partners were also working as escorts, even few worked together. Most importantly, majority reported an irregular or complete lack of condom use with these partners. They decided not to use condoms when their partners agreed to just have sex with them, and/or knew both were HIV negative:

“When I am dating someone if we both checked [got tested for HIV] and we both are fine, we do not use condom, like my ex that we split up two months ago, we were together for a year as we never use condoms, but I knew he only was sleeping with me”

For these participants condomless anal sex represented pleasure, intimacy, and commitment with their partners:

“Have sex without condom with my ex-partner wasn’t good idea, even if that gives me more pleasure and it gives me more intimacy because sex between us hasn’t been the most important part of our relationship”

Coherently, few participants said that they 'always' used condoms with their formal partners because they knew that one of them was HIV positive (serodiscordant couples):

“He found out that he was HIV positive and then at that time I got syphilis from him and at that time I wasn’t working as an escort I was working as a cleaner and I didn’t get the HIV, so I got treated for syphilis, he got treated as well and from then we started to have sex with condom.”

2. Condomless anal sex with casual partners

Casual sexual partner was defined as people with whom participants engaged in sexual intercourse without a sense of commitment or emotional attachment. They mainly met casual partners using dating mobile applications, websites or in places such as clubs, saunas, or clubs. These participants decided not to use condom with these partners to satisfy their pleasure and personal enjoyment. Some admitted that they perceived the use of condom was optional:

“We are humans and sex is the most animal part of us, you know, we are animals completely, so you cannot always control it, you have to accept it, if you always are having sex [...] that is why you do without condom and see what happen.”

“If someone carry a condom, then we do it with condom, or we just leave the condom around and try to see how it goes.”

However, it is important to mention that many participants also acknowledged the role of recreational drugs and alcohol consumption as well as feeling sexually attracted to casual sexual partners in the practice of condomless anal intercourse:

“When you are in drugs the only thing that you want is to have sex, well it depends, in my case I only wanted to have sex, for free, sex with people that if I could be rational, I wouldn’t like to have sex with, and exposing yourself to catch anything.”

“The very last time was about 6 months ago and that was with a neighbour, a very, very hot Spanish guy who came around and we had some fun and when he started [having sex with] me without condom”

Discussion

This study has used the theory of planned behaviour to explore the risk perception and condomless sex experiences of 25 male migrant sex workers with commercial and non-commercial sexual partners. Unlike other research,³⁹ the participants of this study knew the risks of HIV and other STIs, self-reported risk adverse, and consistently declared their position against condomless sex in their online adverts. However, despite their perception of safer sex as a norm and their intention of using condoms with clients, they revealed that condomless sex was a frequent practice.^{40–42} In accordance with this, the participants exposed an unfavourable attitude towards condoms due to displeasure, concerns of losing clients that reject condoms, and issues affecting their sexual response and performance. The latter, not so often acknowledged, highlights the importance of male sexual arousal in this type of work.⁴³ In addressing past events of condomless sex with clients, this study identified a perceived behavioural control among participants that made this high-risk decision based on signs of physical evidence for HIV and other STIs in clients, assessing client’s social and sexual risk characteristics, and performing sexual practices that they considered 'low risk', to lessen the risk of transmission. These practices, that indicate a self-protective behaviour, demonstrate the persistence of inaccurate information about HIV and other STIs.^{15,44–47} In addition, this study identified factors that made the participants lose their perceived control and drove them to condomless anal sex. One of main factors was the use of recreational drugs with clients.^{48–50} Authors describe the use of drugs with clients as a social aspect of their occupation,⁵¹ while improving their performance.⁵² Further, some argue that this is a difficult aspect to avoid with clients who are regular drug users.⁴⁹ Another interlinked factor was feeling sexually attracted to clients that implied opting for personal pleasure over a professional perspective.^{53,54} A third factor was the precarious situation that made participants to accept the financial reward offered by clients.^{55–58} Similar to other studies,^{55,58} physical domination and verbal violence perpetrated by clients was the other aspects facilitating condomless experience, which validates MSW's vulnerability regardless of the situation.⁵⁹

Within the context of private life, this study found that differences in the perspective of condomless sex was related to the type of non-commercial sexual partner. As such, most of participants dismissed the use of condoms with formal partners as they were emotionally attached to these relationships. Participants also said that they agreed not to use condoms when they both were HIV negative and keep this practice strictly among themselves. Although condomless sex with formal partners was perceived as a safer practice, some participants had episodes of STIs that were associated to these sexual partners. Besides, it is worth noting that in line with other studies^{43,60} few participants reported a consistent use of condoms with formal partners when they were HIV-serodiscordant. Regarding condomless sex practice with casual sexual partners, participants said that it was more frequent with these sexual partners than with their clients. They connected this practice to strong sexual arousal and the use of drugs and alcohol. Drug use mainly initiates sexual interaction between gay and bisexuals,^{40,61} and more importantly,^{62,63} it facilitates sexual acts.^{64,65} Of serious concern is that these substances affect the perception and response to risk, directing the behaviour to high-risk sexual practices,⁶⁶ and consequently, increase the possibility of contracting HIV and other STIs.^{67,68} This finding suggests the use of recreational drugs and attraction to the client are significant factors that intersected both private and sex work experiences of the study participants, and reinforce claims that condomless sex with casual partners can be a predictor of condomless sex with clients.⁵³ Additionally, these results support the perspective that the type of sexual partner chosen in the MSW's personal life can also be a risk factor.^{40,61}

Overall, participants that experienced condomless sex visited sexual health clinics to have screening tests for HIV and other STIs, as they felt exposed to contracting these infections. The most concern and anxiety was expressed for HIV, therefore almost all participants had requested for post-exposure prophylaxis (PEP) to reduce their chances of contracting this infection.^{69,70} Some had received PEP more than twice in the past 12 months. Few admitted to not continuing with their PEP treatment due to the adverse effects. These findings raise concerns of possible seroconversions when considering the poor medication adherence.⁷¹ It is relevant to mention that nearly the whole group of participants (22/25) had been diagnosed with one or more STIs including HIV (Table 1).

Strengths and limitations

Interpretation of the findings and the evaluation of their significance should be made considering the limitations of this study. For instance, the study design prevents the generalization of the findings. Also, limiting the recruitment of participants to sexual health clinics and health projects in London due to the recommendation of the research ethics committees, restrict the results only to the perspective and experiences of migrants who attend these services. Even with these limitations, this study is one of the few on male migrant sex workers in the UK that captures their experiences of high-risk sexual behaviour in detail. In addition, the heterogeneity of the sample provided a rich qualitative data on MMSW's risky sexual behaviour with commercial and non-commercial sexual partners. Furthermore, this study provides in-depth socio-behavioural insights for designing more effective and tailored interventions for MMSW self-identified as homosexuals and bisexuals.

Conclusions

Participants experienced condomless sex with commercial sexual partners as risk-taking decision that intuitively triggered a set of risk reduction practices, which may not work effectively as they were based upon misinformation. Condomless sex with clients also occurred in a context of perceived loss of control with recreational drug use, experiencing precarious conditions, physical domination and verbal violence perpetrated by clients. These findings challenge claims that recreational drugs are not problematic among male escorts,⁷²⁻⁷⁴ that they work in safer environments, obtain higher earnings, and can control work conditions.^{73,75,76} In addition, condomless sex with non-commercial sexual partners was also a common practice, but clearly differentiated by the meanings attached to formal and casual partners. More importantly, this study found that the use of recreational drugs and attraction to the client are significant factors that intersected private and sex work experiences.

Recommendations

The findings suggest the need to reinforce educational interventions to deliver appropriate information about the transmissibility of HIV and other STIs, improve skills of self-control, strengthen the risk-reduction counselling for those requesting PEP, and the use of condoms for those who decide to take pre-PEP as the best action to secure its success. Likewise, emphasising the relevance of training healthcare professionals to identify MMSW who use recreational drugs, and to facilitate their referral to programmes of harm reduction in substance use and mental health services. Finally, the identification of other subgroups among MMSW such as those whose partners are also sex workers, have a HIV serodiscordant partner, tend to have condomless sex with casual sex partners, and are experiencing difficult-living or working conditions, can allow for tailoring behavioural interventions.

Data availability

Underlying data

Repository: Perceived risk and condomless sex practice with commercial and non-commercial sexual partners of male migrant sex workers in London, UK <https://figshare.com/s/cbf4a21a9d93d63472c8>.³⁵

This project contains the following underlying data:

- File docx. This file contains the blank interview questionnaire.

Data are available under the terms of the [Creative Commons Zero “No rights reserved”](#) data waiver (CC0 4.0 Public domain dedication).

Acknowledgments

I would like to thank to my supervisors, student advisor, and health professionals of Working Men’s Project and SWISH project who collaborated with this study.

References

1. CDC: *Compendium of HIV Prevention Interventions with Evidence of Effectiveness*. Atlanta, Georgia: Centers for Disease Control and Prevention; 1999 November 1999.
2. UNAIDS: *UNAIDS Data 2019: State of Epidemic*. UNAIDS; 2019.
3. UNAIDS: *UNAIDS Data 2020*. Switzerland: Nations Programme on HIV/AIDS (UNAIDS); 2020.
4. Varghese B, Maher JE, Peterman TA, *et al.*: **Reducing the risk of sexual HIV transmission: quantifying the per-act risk for HIV on the basis of choice of partner, sex act, and condom use**. *Sex. Transm. Dis.* 2002; **29**(1): 38–43.
[PubMed Abstract](#) | [Publisher Full Text](#)
5. Shannon K, Crago AL, Baral SD, *et al.*: **The global response and unmet actions for HIV and sex workers**. *Lancet*. 2018; **392**(10148): 698–710.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
6. ECDC: *Thematic report: Sex workers. Monitoring implementation of the Dublin Declaration on partnership to fight HIV/AIDS in Europe and Central Asia: progress report*. Stockholm: European Centre for Disease Prevention and Control (ECDC); 2015.
7. Reeves A, Steele S, Stuckler D, *et al.*: **National sex work policy and HIV prevalence among sex workers: an ecological regression analysis of 27 European countries**. *The Lancet HIV*. 2017; **4**(3): e134–40.
[Publisher Full Text](#) | [PubMed Abstract](#)
8. Herbst JH, Sherba RT, Crepaz N, *et al.*: **A meta-analytic review of HIV behavioral interventions for reducing sexual risk behavior of men who have sex with men**. *J. Acquir. Immune Defic. Syndr.* 2005; **39**(2): 228–41.
[PubMed Abstract](#)
9. Williams ML, Bowen AM, Timpson SC, *et al.*: **HIV prevention and street-based male sex workers: an evaluation of brief interventions**. *AIDS Educ. Prev.* 2006; **18**(3): 204–15.
[PubMed Abstract](#) | [Publisher Full Text](#)
10. Lyles CM, Kay LS, Crepaz N, *et al.*: **Best-evidence interventions: findings from a systematic review of HIV behavioral interventions for US populations at high risk, 2000–2004**. *Am. J. Public Health*. 2007; **97**(1): 133–43.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
11. Herbst JH, Beeker C, Mathew A, *et al.*: **The effectiveness of individual-, group-, and community-level HIV behavioral risk-reduction interventions for adult men who have sex with men: a systematic review**. *Am. J. Prev. Med.* 2007; **32**(4 Suppl): S38–67.
[PubMed Abstract](#) | [Publisher Full Text](#)
12. Zaccarelli M, Spizzichino L, Venezia S, *et al.*: **Changes in regular condom use among immigrant transsexuals attending a counselling and testing reference site in central Rome: a 12 year study**. *Sex. Transm. Infect.* 2004; **80**(6): 541–5.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
13. ECDC-WHO: *HIV/AIDS surveillance in Europe. 2019 Data*. European Centre for Disease Prevention and Control - World Health Organisation. Regional Office for Europe; 2020.
14. Wang LH, Yan J, Yang GL, *et al.*: **Prevalence of consistent condom use with various types of sex partners and associated factors among money boys in Changsha, China**. *J Sex Med.* 2015; **12**(4): 936–45.
[PubMed Abstract](#) | [Publisher Full Text](#)
15. Ballester R, Salmeron P, Gil MD, *et al.*: **Sexual risk behaviors for HIV infection in Spanish male sex workers: differences according to educational level, country of origin and sexual orientation**. *AIDS Behav.* 2012; **16**(4): 960–8.
[PubMed Abstract](#) | [Publisher Full Text](#)
16. Spice W: **Management of sex workers and other high-risk groups**. *Occup. Med. (Lond.)*. 2007; **57**(5): 322–8.
[PubMed Abstract](#) | [Publisher Full Text](#)
17. TAMPEP: **Position Paper. European Network for the Promotion of Rights and Health among Migrant Sex Workers**. 2019 February 2019.
18. TAMPEP: **TAMPEP 7. Final Report. European Network for HIV/STI Prevention and Health Promotion Among Migrant Sex Workers**. European Commission for Health and Consumer/DG SANCO; 2007 March 2007.
19. TAMPEP: *European Overview of HIV and Sex Work - National Country Reports*. Amsterdam - Netherlands: 2007.
20. ECDC: *HIV Pre-Exposure Prophylaxis in the EU/EEA and the UK: in the EU/EEA and the UK: implementation, standards and monitoring. Operational guidance*. Stockholm: European Centre for Disease Prevention and Control (ECDC); 2021.
21. UNAIDS: *The Gap Report: Migrants*. UNAIDS; 2014 16 October 2014.
22. WHO: **Consolidated Guidelines on HIV prevention, diagnosis, treatment and care for key populations**. 2014.
23. Castaneda H: **Structural vulnerability and access to medical care among migrant street-based male sex workers in Germany**. *Soc. Sci. Med.* 2013; **84**: 94–101.
[PubMed Abstract](#) | [Publisher Full Text](#)
24. Ruiz-Burga E: **Implications of Migration Patterns and Sex Work on Access to Health Services and Key Health Outcomes: A Qualitative Study on Male Migrant Sex Workers in London**. *Int. J. Sex. Health.* 2021; **33**: 237–47.
[Publisher Full Text](#)
25. Brooks-Gordon B, Mai N, Perry G, *et al.*: *Production, income, and expenditure from commercial sexual activity as a measure of GDP in the UK National Accounts*. London, UK: Report for Office of National Statistics (ONS); 2015.
26. TAMPEP: **Mapping of National Prostitution Scene - National Coordinators Report 2008/9 - United Kingdom. The European Network for HIV/STI Prevention and Health Promotion among Migrant Sex Workers**. 2010.
27. Steele S, Taylor V, Vannoni M, *et al.*: **Self-reported access to health care, communicable diseases, violence and perception of legal status among online transgender identifying sex workers in the UK**. *Public Health.* 2020; **186**: 12–6.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)

28. TAMPEP: *Sex Work in Europe: A mapping of the prostitution scene in 25 European countries*. Netherlands: European Network for HIV/STI Prevention and Health Promotion among Migrant Sex Workers. 2009.
29. Mc Grath-Lone L, Marsh K, Hughes G, et al.: **The sexual health of male sex workers in England: analysis of cross-sectional data from genitourinary medicine clinics**. *Sex. Transm. Infect.* 2014; **90**(1): 38–40.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
30. Parker M: **Core groups and the transmission of HIV: learning from male sex workers**. *J. Biosoc. Sci.* 2006; **38**(1): 117–31.
[PubMed Abstract](#) | [Publisher Full Text](#)
31. Sethi G, Holden BM, Gaffney J, et al.: **HIV, sexually transmitted infections, and risk behaviours in male sex workers in London over a 10 year period**. *Sex. Transm. Infect.* 2006; **82**(5): 359–63.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
32. Cai Y, Wang Z, Lau JT, et al.: **Prevalence and associated factors of condomless receptive anal intercourse with male clients among transgender women sex workers in Shenyang, China**. *J Int AIDS Soc.* 2016; **19**(3 Suppl 2): 20800.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
33. WHO: *Who Implementation Tool For Pre-Exposure Prophylaxis (Prep) of Hiv Infection*. World Health Organization; 2018 October 2018.
34. CDC: *Preexposure Prophylaxis For The Prevention Of Hiv Infection In The United States - 2017 Update A Clinical Practice Guideline*. Center for Disease Control and Prevention; 2017.
35. Ruiz-Burga E: **Perceived risk and condomless sex practice with commercial and non-commercial sexual partners of male migrant sex workers in London, UK**. Published on 2021.
[Reference Source](#)
36. Braun V, Clarke V: **Using thematic analysis in psychology**. *Qual. Res. Psychol.* 2006; **3**(2): 77–101. Open access link: Using thematic analysis in psychology (uconn.edu).
[Publisher Full Text](#)
37. Ajzen I: **The theory of planned behavior**. *Organ. Behav. Hum. Decis. Process.* 1991; **50**(2): 179–211.
[Publisher Full Text](#)
38. Vederhus JK, Zemor SE, Rise J, et al.: **Predicting patient post-detoxification engagement in 12-step groups with an extended version of the theory of planned behavior**. *Addict. Sci. Clin. Pract.* 2015; **10**: 15.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
39. Piqueiras E: *Commodified risk: Masculinity and male sex work in New Orleans*. The University of New Orleans; 2013.
40. Turek EM, Fairley CK, Tabesh M, et al.: **HIV, Sexually Transmitted Infections and Sexual Practices Among Male Sex Workers Attending a Sexual Health Clinic in Melbourne, Australia: 2010 to 2018**. *Sex. Transm. Dis.* 2021; **48**(2): 103–8.
[PubMed Abstract](#) | [Publisher Full Text](#)
41. Selvey LA, McCausland K, Lobo R, et al.: **A snapshot of male sex worker health and wellbeing in Western Australia**. *Sex. Health.* 2019; **16**(3): 233–9.
[PubMed Abstract](#) | [Publisher Full Text](#)
42. Edeza A, Galarraga O, Santamaria EK, et al.: **"I Do Try To Use Condoms, But...": Knowledge and Interest in PrEP Among Male Sex Workers in Mexico City**. *Arch. Sex. Behav.* 2020; **49**(1): 355–63.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
43. Almeida MJ: **Sex work and pleasure. An exploratory study on sexual response and sex work**. *Theor. Sex.* 2011; **20**(4): 229–32.
[Publisher Full Text](#)
44. Van de Ven P, Kippax S, Crawford J, et al.: **In a minority of gay men, sexual risk practice indicates strategic positioning for perceived risk reduction rather than unbridled sex**. *AIDS Care.* 2002; **14**(4): 471–480.
[Publisher Full Text](#)
45. Persson KI, Tikkanen R, Bergstrom J, et al.: **Experimentals, bottoms, risk-reducers and clubbers: exploring diverse sexual practice in an Internet-active high-risk behaviour group of men who have sex with men in Sweden**. *Cult. Health Sex.* 2016; **18**(6): 639–53.
[Publisher Full Text](#)
46. Halkitis PN, Parsons JT: **Oral Sex and HIV Risk Reduction**. *J. Psychol. Hum. Sex.* 2000; **11**(4): 1–24.
[Publisher Full Text](#)
47. Bimbi DS, Parsons JT: **Barebacking Among Internet Based Male Sex Workers**. *J. Gay Lesbian Psychother.* 2005; **9**(3–4): 85–105.
[Publisher Full Text](#)
48. Blackwell CW, Dziegielewska SF: **Risk for a Price: Sexual Activity Solicitations in Online Male Sex Worker Profiles**. *J. Soc. Serv. Res.* 2013; **39**(2): 159–70.
[Publisher Full Text](#)
49. Biello KB, Goedel WC, Edeza A, et al.: **Network-Level Correlates of Sexual Risk Among Male Sex Workers in the United States: A Dyadic Analysis**. *J. Acquir. Immune Defic. Syndr.* 2020; **83**(2): 111–8.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
50. Druckler S, van Rooijen MS, de Vries HJC: **Substance Use and Sexual Risk Behavior Among Male and Transgender Women Sex Workers at the Prostitution Outreach Center in Amsterdam, the Netherlands**. *Sex. Transm. Dis.* 2020; **47**(2): 114–21.
[PubMed Abstract](#) | [Publisher Full Text](#)
51. Ross MW, Crisp BR, Mansson SA, et al.: **Occupational health and safety among commercial sex workers**. *Scand. J. Work Environ. Health.* 2012; **38**(2): 105–19.
[Publisher Full Text](#)
52. Kurcevic E, Lines R: **New psychoactive substances in Eurasia: a qualitative study of people who use drugs and harm reduction services in six countries**. *Harm Reduct. J.* 2020; **17**(1): 94.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
53. Prestage G, Jin F, Bavinton B, et al.: **Sex workers and their clients among Australian gay and bisexual men**. *AIDS Behav.* 2014; **18**(7): 1293–301.
[PubMed Abstract](#) | [Publisher Full Text](#)
54. Carballo-Dieguez A, Dowsett GW, Ventuneac A, et al.: **Cybercartography of popular internet sites used by New York City men who have sex with men interested in bareback sex**. *AIDS Educ. Prev.* 2006; **18**(6): 475–89.
[PubMed Abstract](#) | [Publisher Full Text](#)
55. George PE, Bayer AM, Garcia PJ, et al.: **Is Intimate Partner and Client Violence Associated with Condomless Anal Intercourse and HIV Among Male Sex Workers in Lima, Peru?** *AIDS Behav.* 2016; **20**(9): 2078–89.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
56. Biello KB, Thomas BE, Johnson BE, et al.: **Transactional sex and the challenges to safer sexual behaviors: a study among male sex workers in Chennai, India**. *AIDS Care.* 2017; **29**(2): 231–8.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
57. Baral SD, Friedman MR, Geibel S, et al.: **Male sex workers: practices, contexts, and vulnerabilities for HIV acquisition and transmission**. *Lancet.* 2015; **385**(9964): 260–73.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
58. Galarraga O, Sosa-Rubi SG, Gonzalez A, et al.: **The disproportionate burden of HIV and STIs among male sex workers in Mexico City and the rationale for economic incentives to reduce risks**. *J. Int. AIDS Soc.* 2014; **17**: 19218.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
59. Miller WM, Miller WC, Barrington C, et al.: **Sex work, discrimination, drug use and violence: a pattern for HIV risk among transgender sex workers compared to MSM sex workers and other MSM in Guatemala**. *Glob. Public Health.* 2020; **15**(2): 262–74.
[PubMed Abstract](#) | [Publisher Full Text](#)
60. Lo SC, Reisen CA, Poppen PJ, et al.: **Cultural beliefs, partner characteristics, communication, and sexual risk among Latino MSM**. *AIDS Behav.* 2011; **15**(3): 613–20.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
61. Fournet N, Koedijk FD, van Leeuwen AP, et al.: **Young male sex workers are at high risk for sexually transmitted infections, a cross-sectional study from Dutch STI clinics, the Netherlands, 2006-2012**. *BMC Infect. Dis.* 2016; **16**: 63.
[Publisher Full Text](#)
62. Hibbert MP, Brett CE, Porcellato LA, et al.: **Psychosocial and sexual characteristics associated with sexualised drug use and chemsex among men who have sex with men (MSM) in the UK**. *Sex. Transm. Infect.* 2019; **95**(5): 342–50.
[PubMed Abstract](#) | [Publisher Full Text](#)
63. Tomkins A, George R, Kliner M: **Sexualised drug taking among men who have sex with men: a systematic review**. *Perspect. Public Health.* 2019; **139**(1): 23–33.
[PubMed Abstract](#) | [Publisher Full Text](#)
64. PHE: *Substance misuse services for men who have sex with men involved in chemsex*. London: Public Health England; 2015.
65. Edmundson C, Heinsbroek E, Glass R, et al.: **Sexualised drug use in the United Kingdom (UK): A review of the literature**. *Int. J. Drug Policy.* 2018; **55**: 131–48.
[PubMed Abstract](#) | [Publisher Full Text](#)
66. Kurtz SP: **Post-circuit blues: motivations and consequences of crystal meth use among gay men in Miami**. *AIDS Behav.* 2005; **9**(1): 63–72.
[PubMed Abstract](#) | [Publisher Full Text](#)
67. Maxwell S, Shahmanesh M, Gafos M: **Chemsex behaviours among men who have sex with men: A systematic review of the literature**. *Int. J. Drug Policy.* 2019; **63**: 74–89.
[PubMed Abstract](#) | [Publisher Full Text](#)

68. Evers YJ, Van Liere G, Hoebe C, *et al.*: **Chemsex among men who have sex with men living outside major cities and associations with sexually transmitted infections: A cross-sectional study in the Netherlands.** *PLoS One.* 2019; **14**(5): e0216732.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
69. Smith DK, Grohskopf LA, Black RJ, *et al.*: **Antiretroviral postexposure prophylaxis after sexual, injection-drug use, or other nonoccupational exposure to HIV in the United States: recommendations from the U.S. Department of Health and Human Services.** *MMWR Recomm. Rep.* 2005; **54**(RR-2): 1–20.
[PubMed Abstract](#)
70. Jain S, Mayer KH: **Practical guidance for nonoccupational postexposure prophylaxis to prevent HIV infection: an editorial review.** *AIDS.* 2014; **28**(11): 1545–54.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
71. Beymer MR, Weiss RE, Bolan RK, *et al.*: **Differentiating Nonoccupational Postexposure Prophylaxis Seroconverters and Non-Seroconverters in a Community-Based Clinic in Los Angeles, California.** *Open Forum Infect. Dis.* 2017; **4**(2): ofx061.
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
72. Cusick L, *et al.*: **'Trapping' in drug use and sex work careers.** *Drugs: education, prevention and policy.* 2005; **12**(5): 369–379.
73. Braine N, van Sluytman L, Acker C, *et al.*: **Money, Drugs, and Bodies: Examining Exchange Sex from Multiple Perspectives.** *J. Gay & Lesbian Social Services.* 2010; **22**(4): 463–85.
[Publisher Full Text](#)
74. Sanders T, O'Neill M, Pitcher J: *Prostitution: Sex work, policy & politics.* SAGE Publications Inc.; 2009.
75. Convery I: *Study into the extent and characteristics of the sex market and sexual exploitation in Darlington.* The University of Cumbria; 2010.
76. Pitcher J: *Diversity in sexual labour: an occupational study of indoor sex work in Great Britain.* Loughborough University; 2014.

Open Peer Review

Current Peer Review Status: ?

Version 1

Reviewer Report 14 October 2021

<https://doi.org/10.5256/f1000research.76889.r96637>

© 2021 Minichiello P. This is an open access peer review report distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.



Prof Victor Minichiello

Australian Research Centre in Sex, Health and Society, La Trobe University, Melbourne, VIC, Australia

Understanding how male sex workers make decisions about condom usage with clients and in their personal sexual lives is an important question that this study addresses. Recent studies have explored this topic in some detail. This study aims to contribute by interviewing migrant male escorts in London and offering explanations that delve into why sex with a condom occurs or not in their encounters with clients.

This is an interesting paper, but there are several gaps:

First, the literature review is not complete. I suggest the author read the recent work by John Scott and his colleagues on male sex work: see *The Routledge Handbook of Male Sex Work, Culture and Society* published by Routledge this year to better grasp the literature on this topic.

Second, could the author expand on new insights for public health campaigns concerning PrEP and HIV prevention that emerge from this study, and better argue how the results of this study further advance knowledge on the topic of condom use and safe sex among male escorts and particularly vulnerable groups like migrant sex workers?

Third, some methodological issues require addressing. What topics were included on the interview guide? How were the interviews conducted? Can more detail be given about how the data themes were developed and what sort of qualitative data analysis was used?

Finally, what new insights for public health campaigns emerge from this study?

Is the work clearly and accurately presented and does it cite the current literature?

Partly

Is the study design appropriate and is the work technically sound?

Partly

Are sufficient details of methods and analysis provided to allow replication by others?

Partly

If applicable, is the statistical analysis and its interpretation appropriate?

Not applicable

Are all the source data underlying the results available to ensure full reproducibility?

Yes

Are the conclusions drawn adequately supported by the results?

Yes

Competing Interests: No competing interests were disclosed.

Reviewer Expertise: sex work, qualitative data analysis

I confirm that I have read this submission and believe that I have an appropriate level of expertise to confirm that it is of an acceptable scientific standard, however I have significant reservations, as outlined above.

The benefits of publishing with F1000Research:

- Your article is published within days, with no editorial bias
- You can publish traditional articles, null/negative results, case reports, data notes and more
- The peer review process is transparent and collaborative
- Your article is indexed in PubMed after passing peer review
- Dedicated customer support at every stage

For pre-submission enquiries, contact research@f1000.com

F1000Research