

PrEP Knowledge & Uptake Among Heterosexual-Identified Men Who Have Sex With Men (H-MSM) Compared to Men of Diverse Sexual Identities

Presented by Andrew D. Eaton

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Lab Manager: Megan W. Rowe



Funder:



Background

- *Sexuality is multidimensional and complex*
 - Identity development
 - Attraction
 - Behavior
- *Heterosexual-identified men who have sex with men (H-MSM)*
 - Sexual identity and behavior discordance
- *Unknown how H-MSM compare to:*
 - Concordant heterosexual men
 - Gay/bisexual/queer (GBQ+) men



Objective

- *Gain insight into potentially unique attributes of H-MSM*
 - Demographics
 - Identity development
 - Attraction
 - Behaviour
 - Technology use
 - Personality
 - Relationship negotiation
 - Communication skills
 - **PrEP**
 - Life satisfaction



Methods

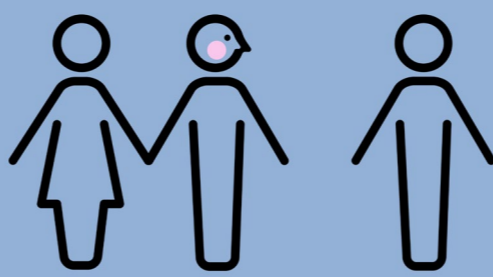
- *Recruitment*

- Purposive sampling — online and offline venues
- US, UK, Canada



CALL FOR PARTICIPANTS

Straight and attracted to other men?
Take part in a research survey, and help build a more inclusive society.
[Click here to participate.](#)




CALL FOR PARTICIPANTS

Straight and attracted to other men?
Take part in a research survey, and help build a more welcoming society.
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ARE YOU STRAIGHT AND ATTRACTED TO OTHER MEN?

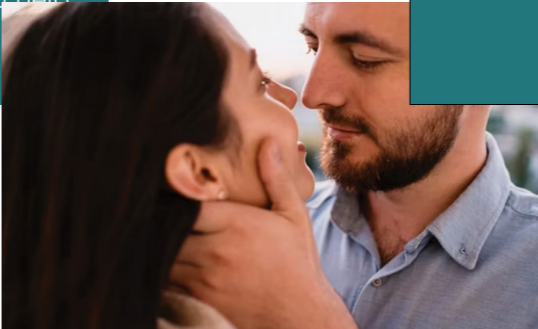
We invite you to take part in a research survey, and help build a more supportive society.

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Methods

JMIR RESEARCH PROTOCOLS

Eaton et al

Protocol

Assessment of Heterosexual-Identified Men Who Have Sex With Men and Men of Diverse Sexual Identities: Protocol for an International, Multilingual, Online, Comparative Sexuality Study

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camh

Methods

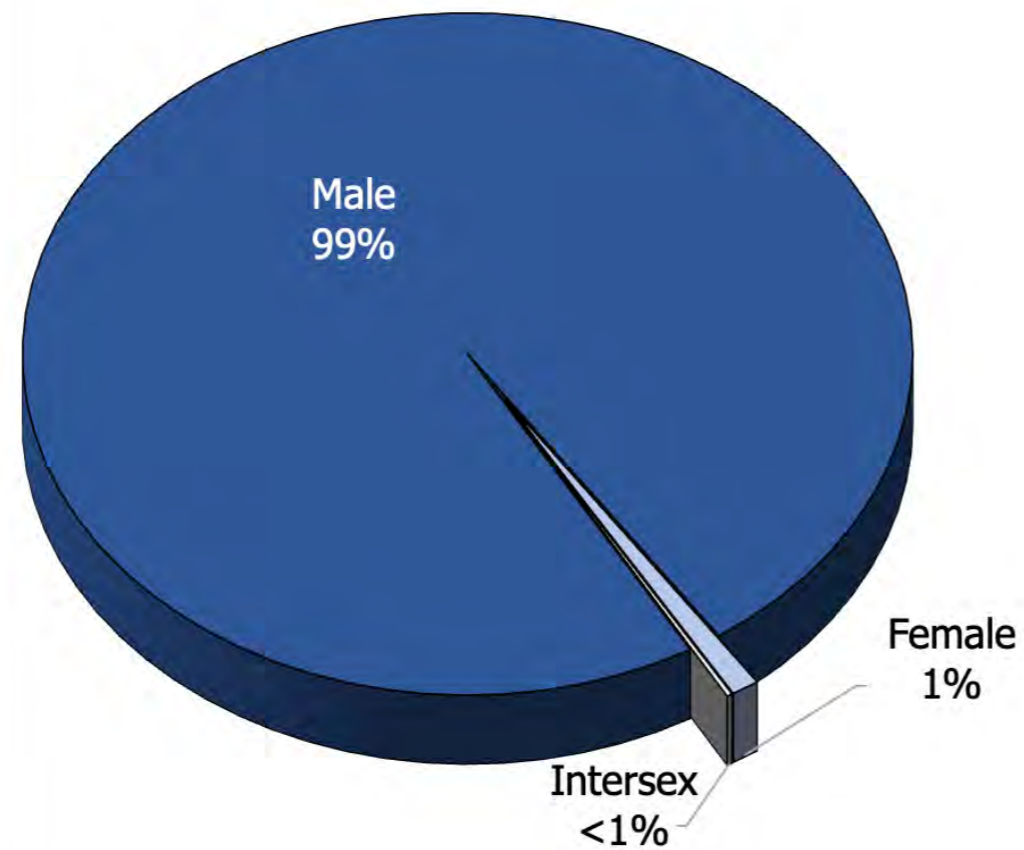
- *Online questionnaire for cisgender men aged 18+*
 - English, French, Spanish
 - 12 sections:
 - (1) screening
 - (2) demographics
 - (3) identity development
 - (4) attraction
 - (5) behavior
 - (6) coping with same-sex attraction
 - (7) relationship negotiation and communication
 - (8) technology usage
 - (9) PrEP
 - (10) life satisfaction
 - (11) additional demographics
 - (12) contact/follow-up information

This paper presents a preliminary descriptive data cut from survey responses collected between January and October 2025.

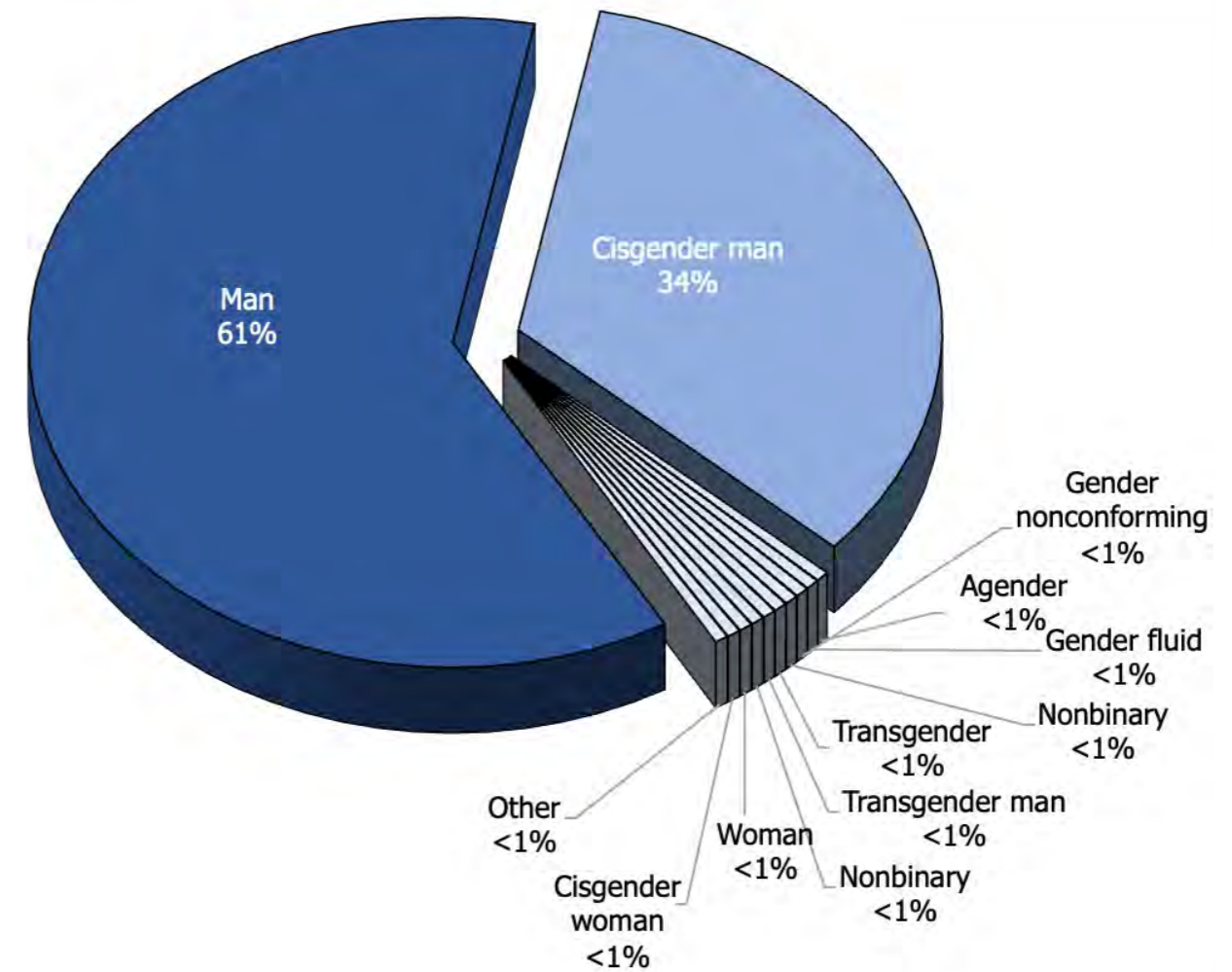
Results

- *Demographics (N=581)*
 - Age - Mean (SD): 42.6 (15.1)

Sex at Birth

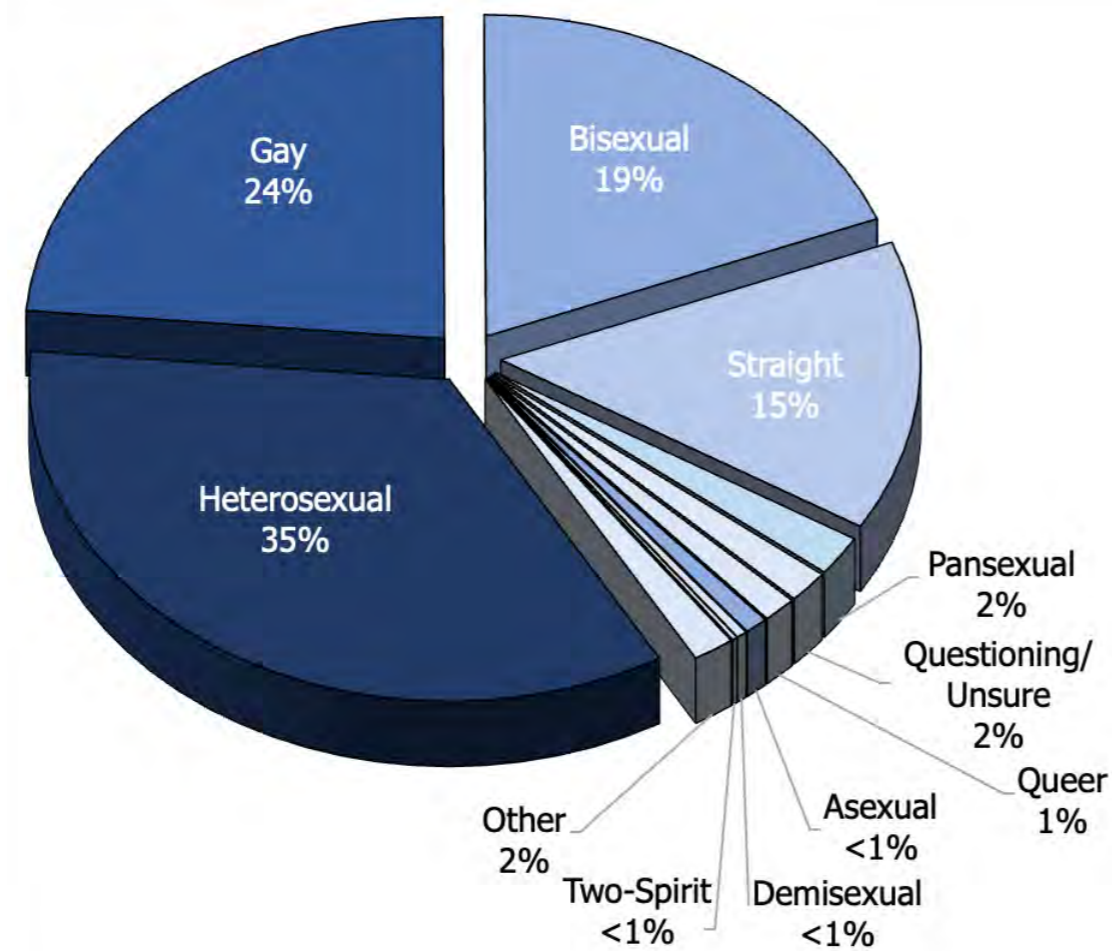


Gender Identity



Results

Sexual Orientation/Identity



- *Ever had sex with a man: 63%*
- *Sample (as of Oct 1, 2025):*
 - **91** H-MSM
 - **275** gay/bisexual/queer (GBQ) men
 - **215** concordant heterosexual men





Results

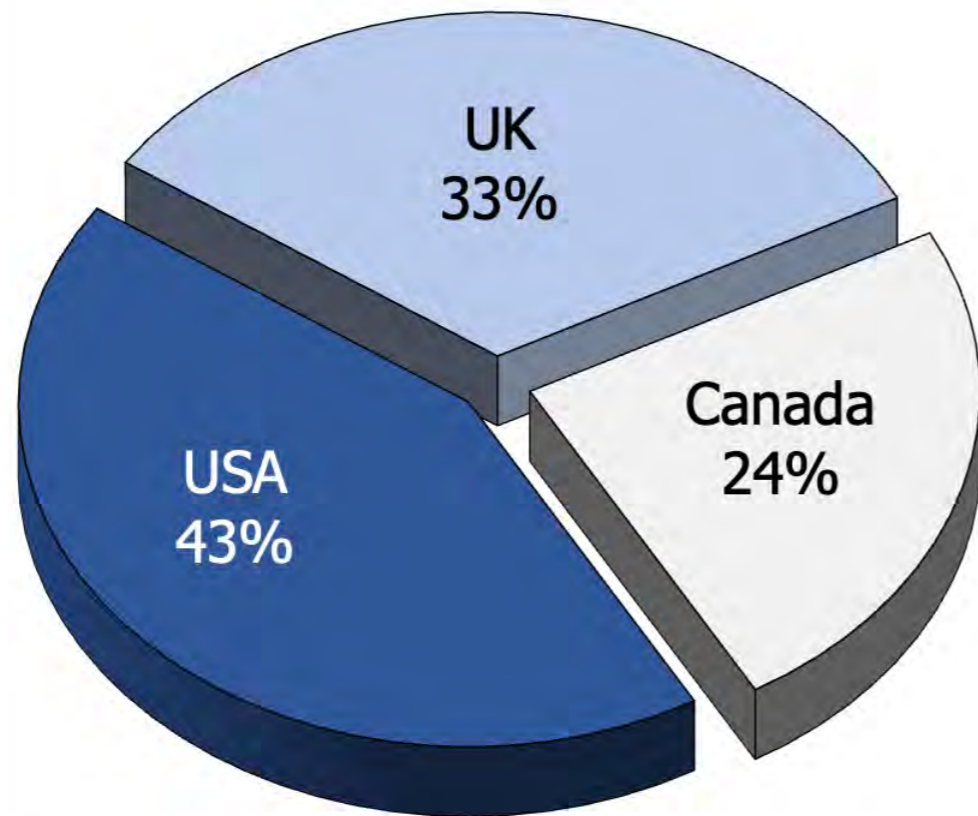
Race	N = 581
White	482 (83%)
Black	51 (9%)
Hispanic	17 (3%)
Latino / Latiné	8 (1%)
Middle Eastern	8 (1%)
Indigenous: First Nations, Inuit, Métis	3 (< 1%)
Indigenous: Native American	4 (< 1%)
East Asian	8 (1%)
North Asian	1 (< 1%)
South Asian	8 (1%)
Southeast Asian	5 (< 1%)
Other	9 (2%)



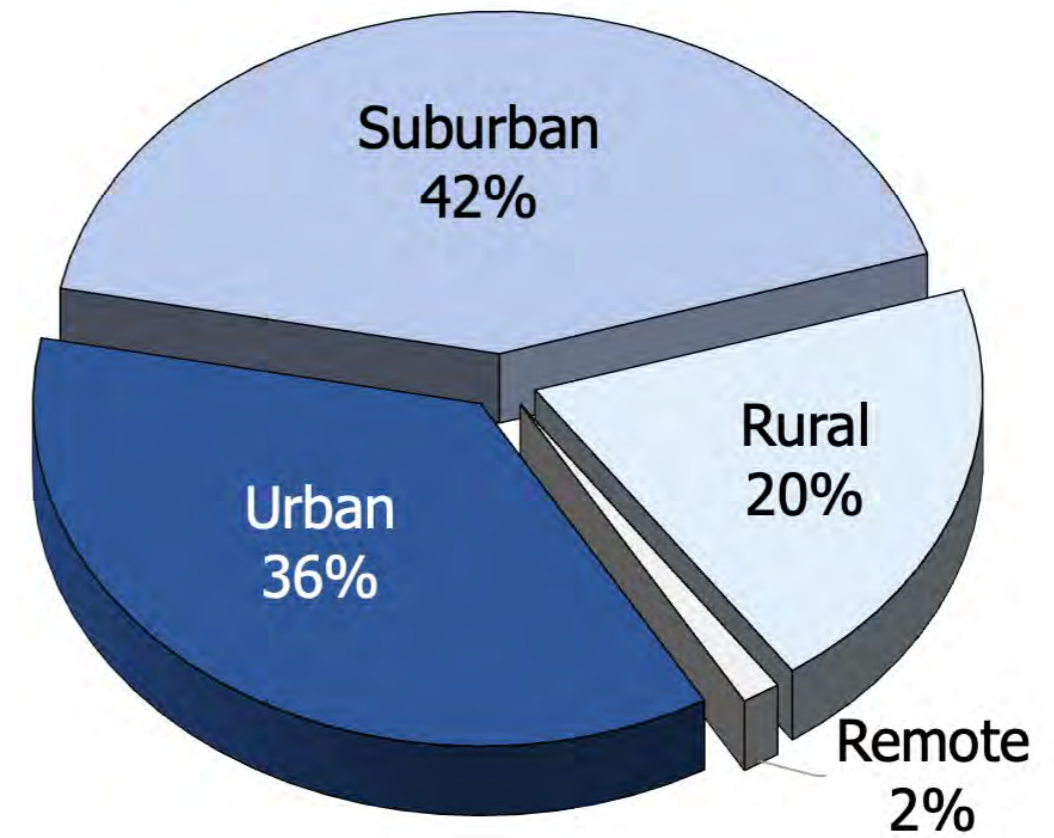
Results



Country



Type of Area

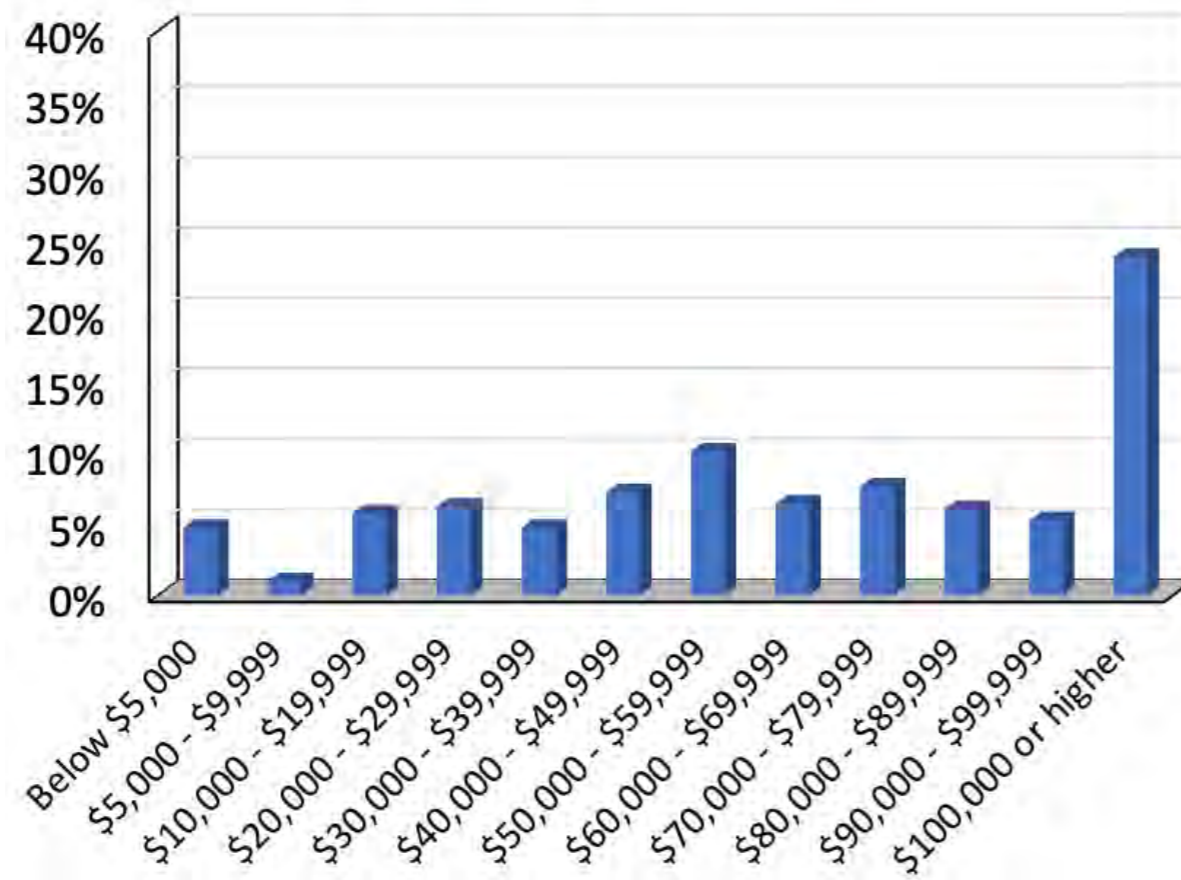


Results

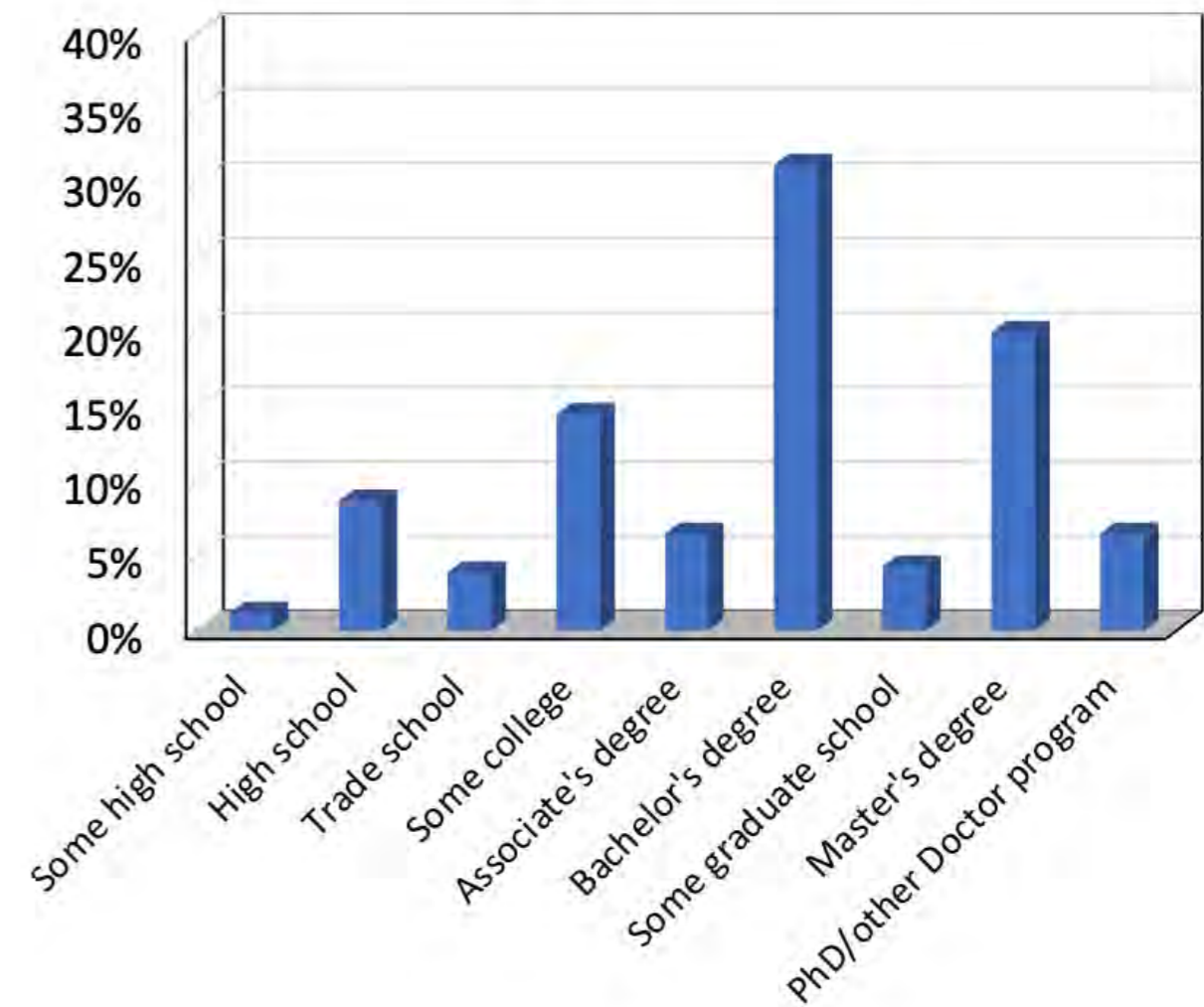
- *Other Demographics*

- Religion: Christianity = 43%

Annual Income



Education





Results:

Comparisons among H-MSM, GBQ MSM, and Concordant Heterosexual Men

- **Demographics**

- **Non-significant:**

- Age
- Race = White
- Education = Bachelors Degree+
- Income = \$100K+
- Country
- Type of area

- **Significant:**

- Religion = Christian
 - Concordant heterosexual (38%) < GBQ MSM (52%)

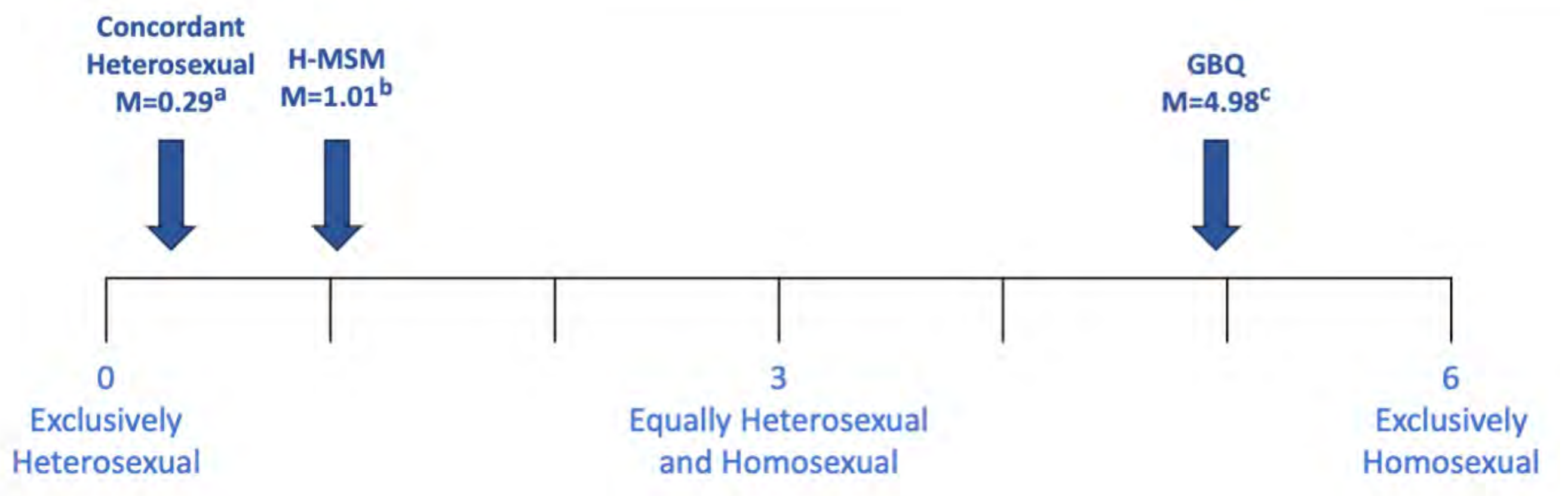




Results:

Comparisons among H-MSM, GBQ MSM, and Concordant Heterosexual Men

- **Identity:** Kinsey Scale

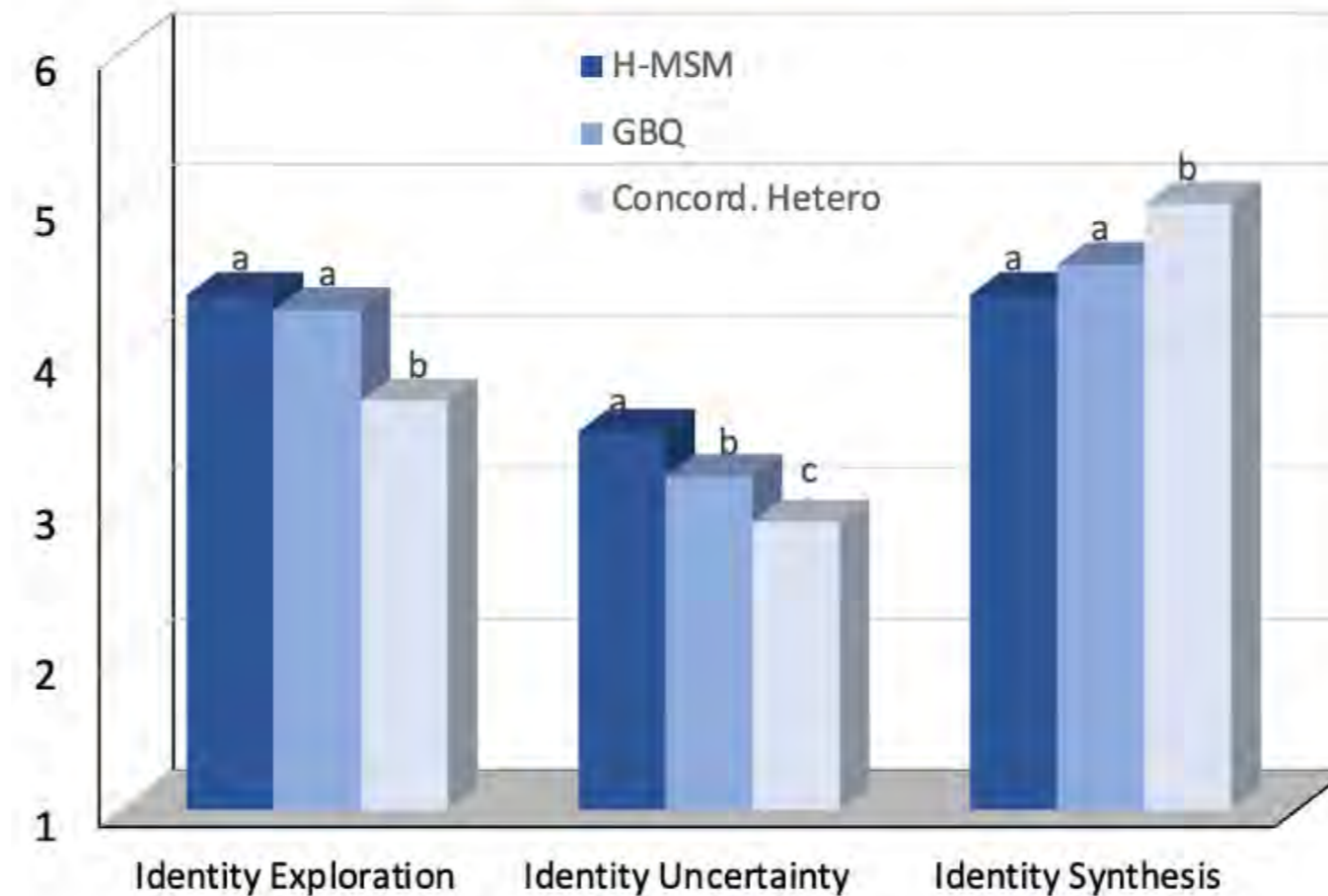




Results:

Comparisons among H-MSM, GBQ MSM, and Concordant Heterosexual Men

- *Identity:* **Sexual Identity Exploration and Commitment (Worthington et al., 2008)**



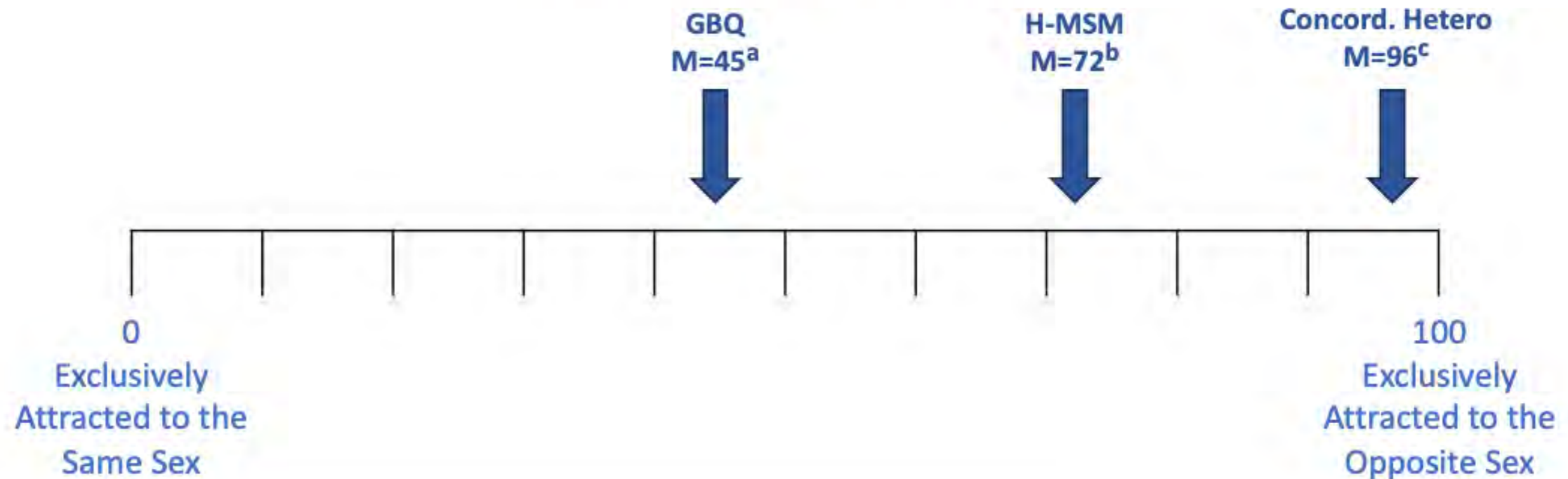


Results:

Comparisons among H-MSM, GBQ MSM, and Concordant Heterosexual Men

- *Attraction:*

Sexual Preference Scale (McConaghy et al., 1991)

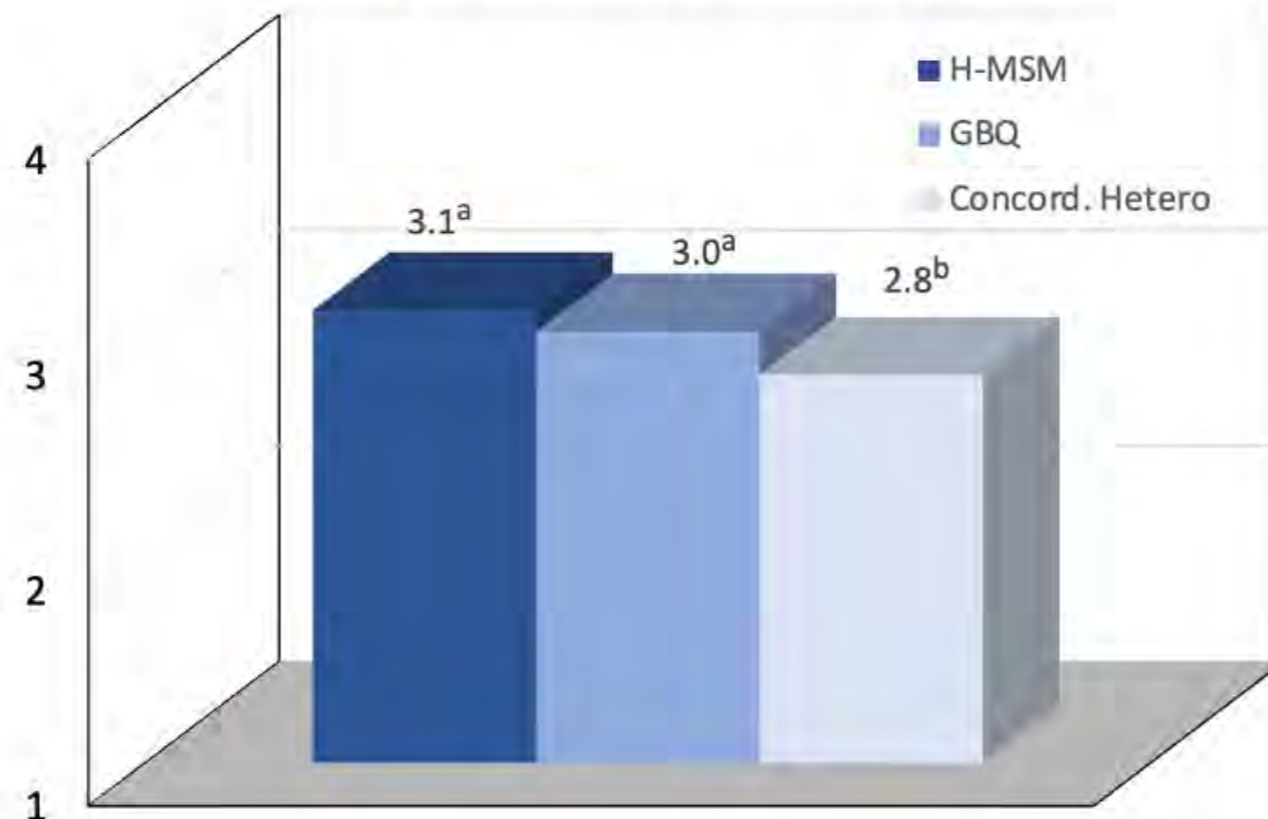


Results:

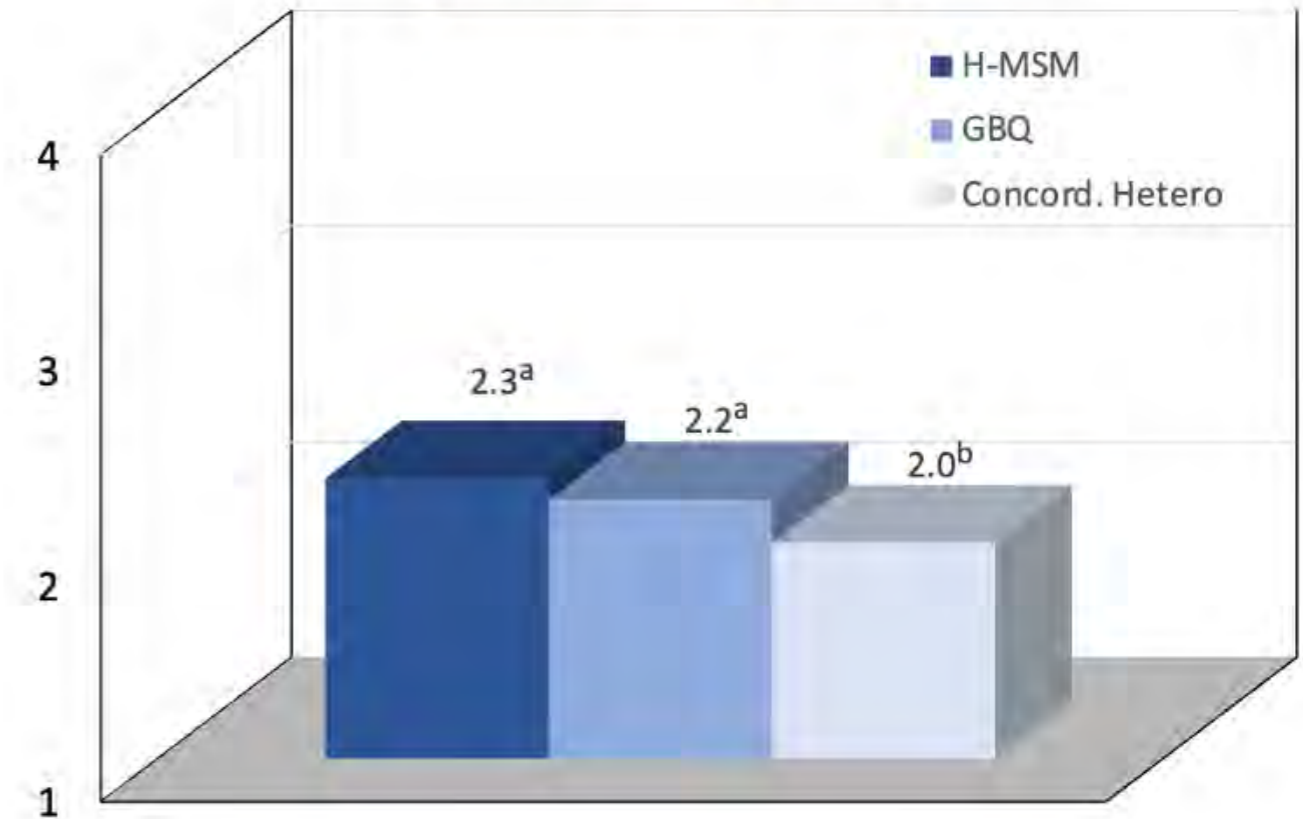
Comparisons among H-MSM, GBQ MSM, and Concordant Heterosexual Men

- *Behaviour / Personality:*

Sexual Sensation Seeking
(Kalichman et al., 1994)



Sexual Compulsivity
(Coleman et al., 2001)

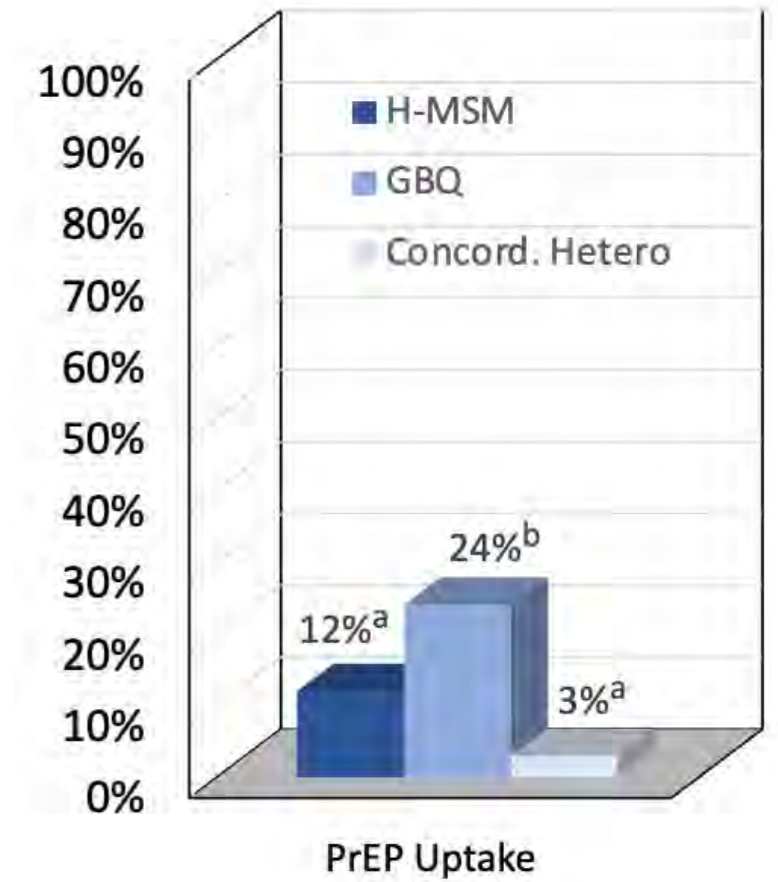
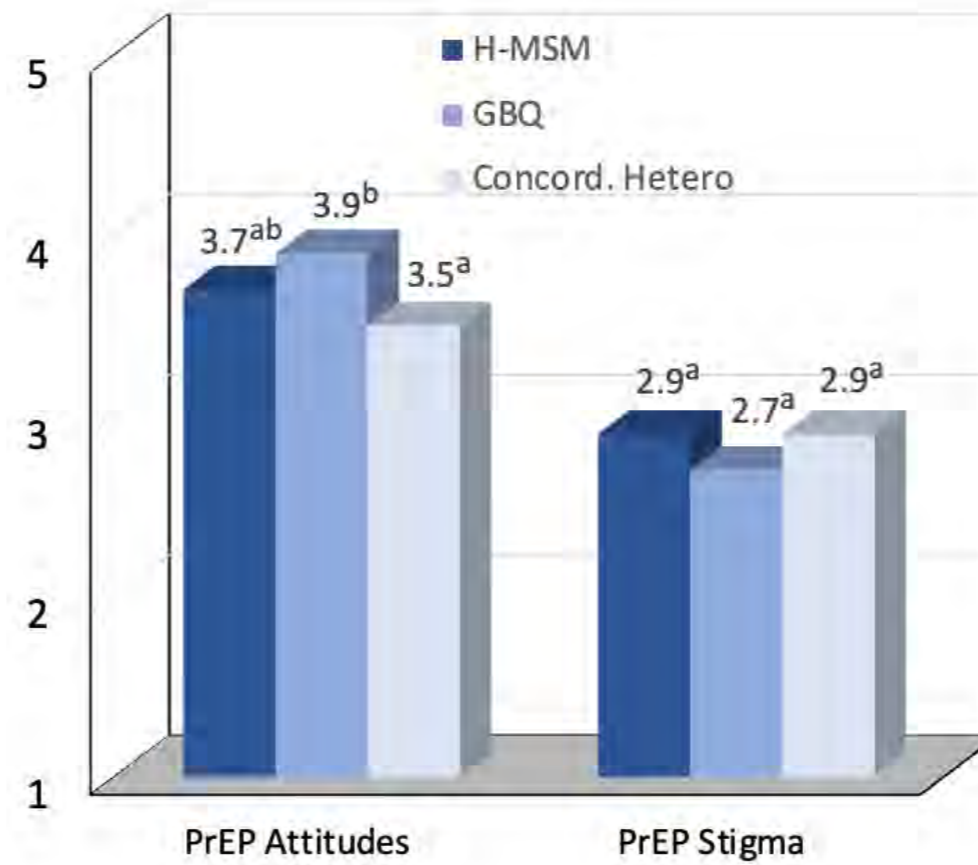
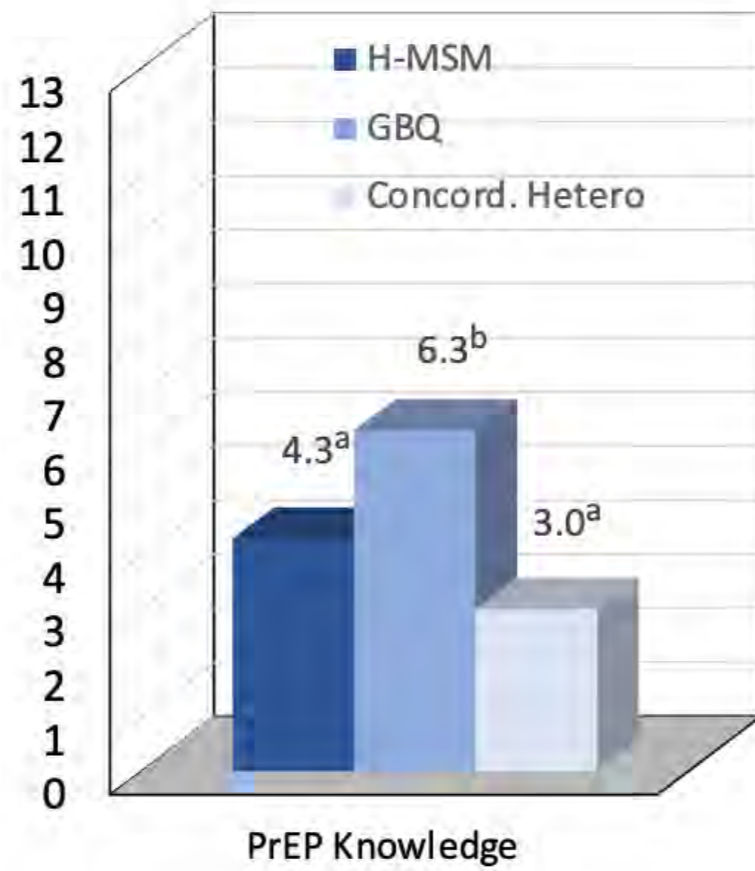




Results:

Comparisons among H-MSM, GBQ MSM, and Concordant Heterosexual Men

- **PrEP**





Results:

Comparisons among H-MSM, GBQ MSM, and Concordant Heterosexual Men

- **Grindr**

- **Any Use?**

- H-MSM: 40%^a
 - GBQ: 55%^b





Results:

Comparisons among H-MSM, GBQ MSM, and Concordant Heterosexual Men

- *Grindr*

	H-MSM	GBQ
Use Grindr “to meet people to have sex/hook up with”	70% ^a	69% ^a
Face visible on your Grindr profile	52% ^a	58% ^a





Conclusions

- In our multinational sample of H-MSM, GBQ MSM, and concordant heterosexual men, demographic similarities were the norm
- Although in some cases H-MSM paralleled their GBQ MSM counterparts, key differences were found with respect to identity-, attraction-, and behavior-related indicators
- Differences in PrEP knowledge and uptake were notable, suggesting that tailored prevention initiatives are needed for H-MSM
- Research and public health efforts could be enhanced by recognizing H-MSM as a distinct population and not just as closeted GBQ MSM



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