



Public Health
England

How many attendees with STI related needs are offered and tested for HIV in sexual health services in England?

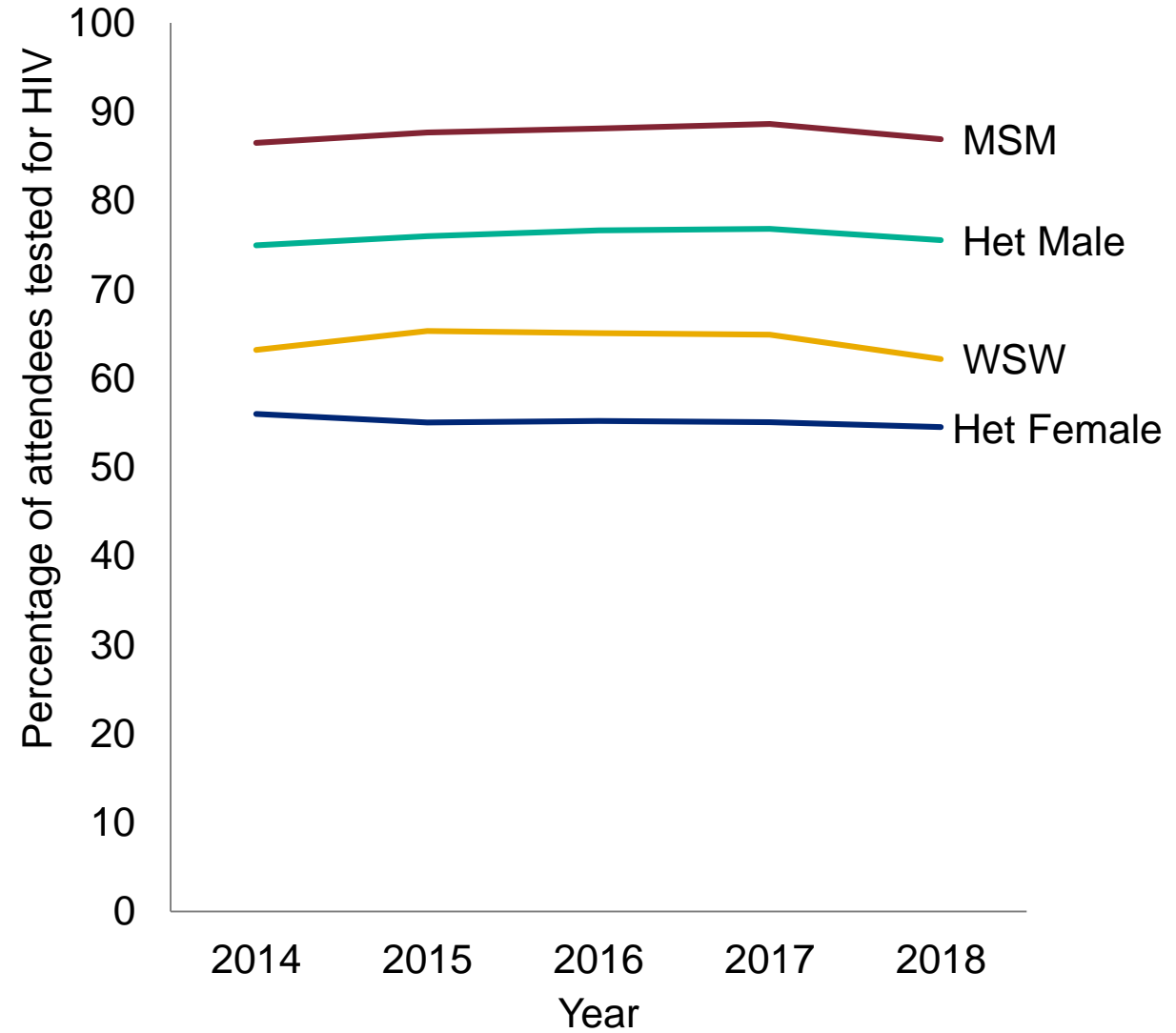
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Background

In 2018, over 1.3 million HIV tests were carried out in sexual health services in England. Despite this, there were many missed opportunities for HIV testing.

The BASHH standards recommend that 97% of attendances with STI-need should be offered an HIV test and 85% of attendances should have an HIV test recorded.

Percentage of attendances tested for HIV, by sexual orientation, all SHS, 2018



Data source: GUMCAD data

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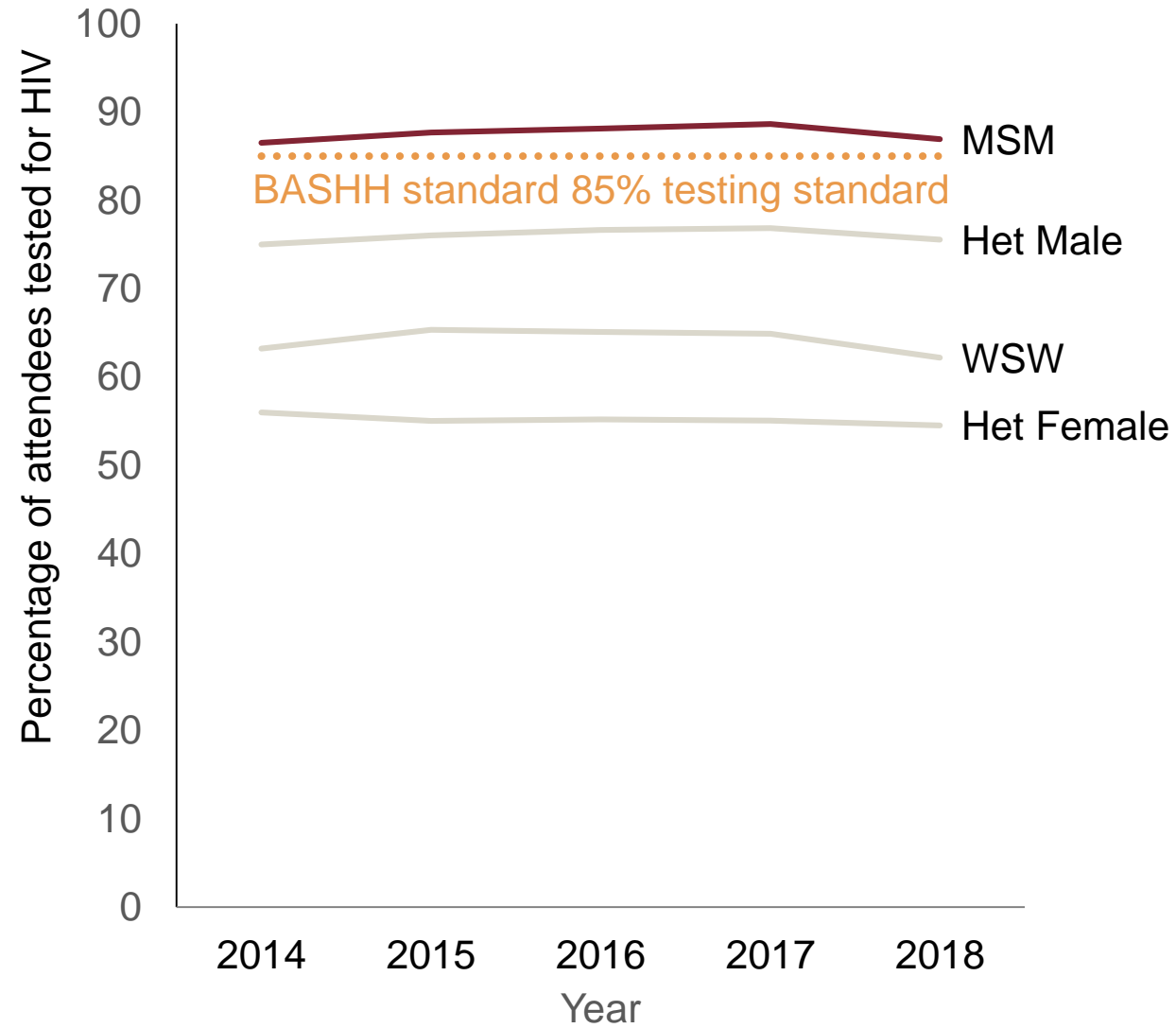
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Objectives

1. Calculate the offer and uptake of testing in people attending SHS with STI-needs
2. Explore the association between HIV test offer and sexual orientation group of SHS attendees with STI-needs

Percentage of attendances tested for HIV, by sexual orientation, all SHS, 2018

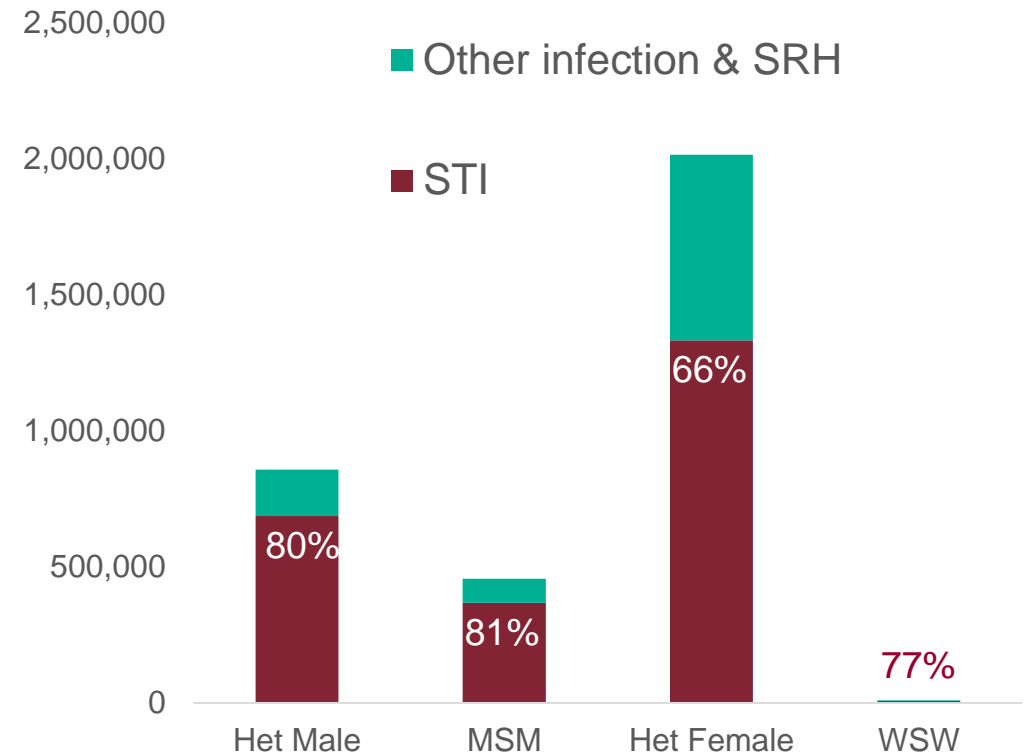


Data source: GUMCAD data

Methods

- Data on all SHS attendance episodes in England in 2018 were obtained from the GUMCAD STI Surveillance system.
- The presence of any STI test, diagnosis or vaccination code was used as a proxy for STI-need.
- STI-need attendance episodes excluded:
 - Known to be living with HIV
 - Attending for reproductive reasons
 - HIV test coded as not appropriate
- The offer and acceptance of HIV testing was determined for each STI-need attendance episode.
- The association between the offer of HIV testing and potential confounders was determined using a stratified logistic regression.

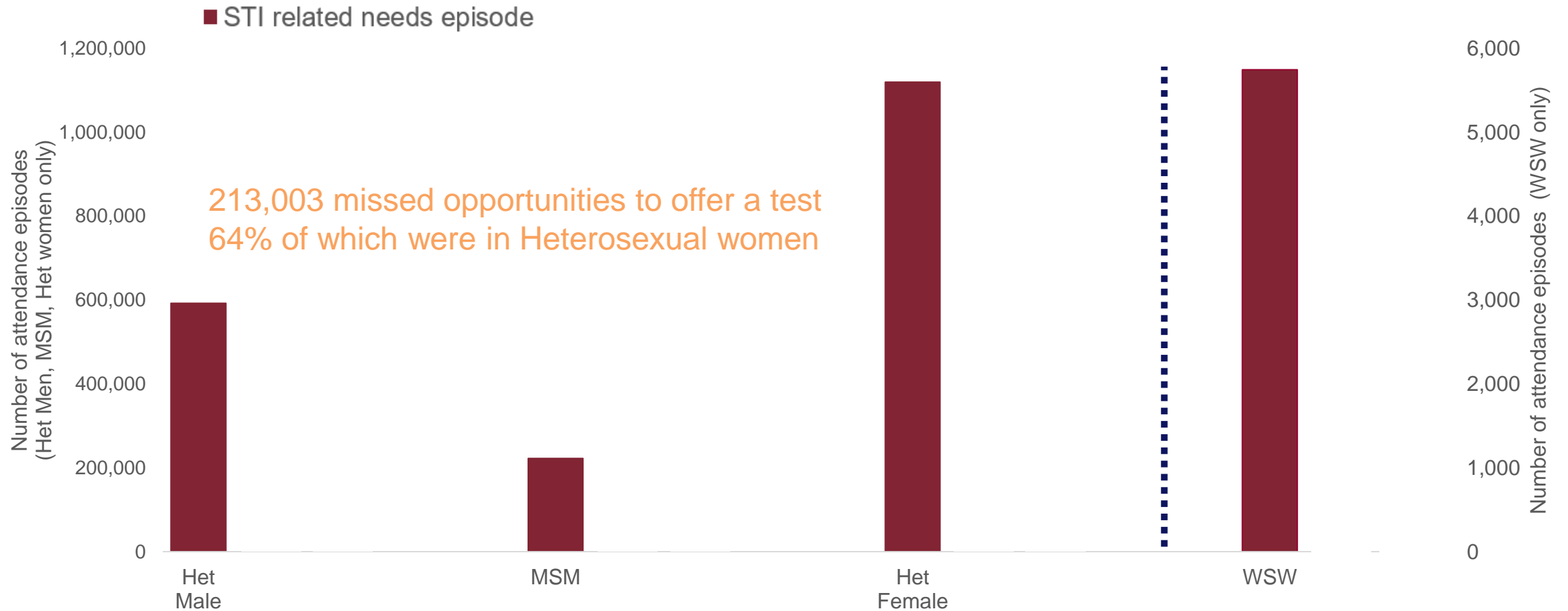
The number of attendance episodes classified according to attendance type, by sexual orientation, all SHS, 2018



See Poster P152 for more information about attendance trends by attendance type

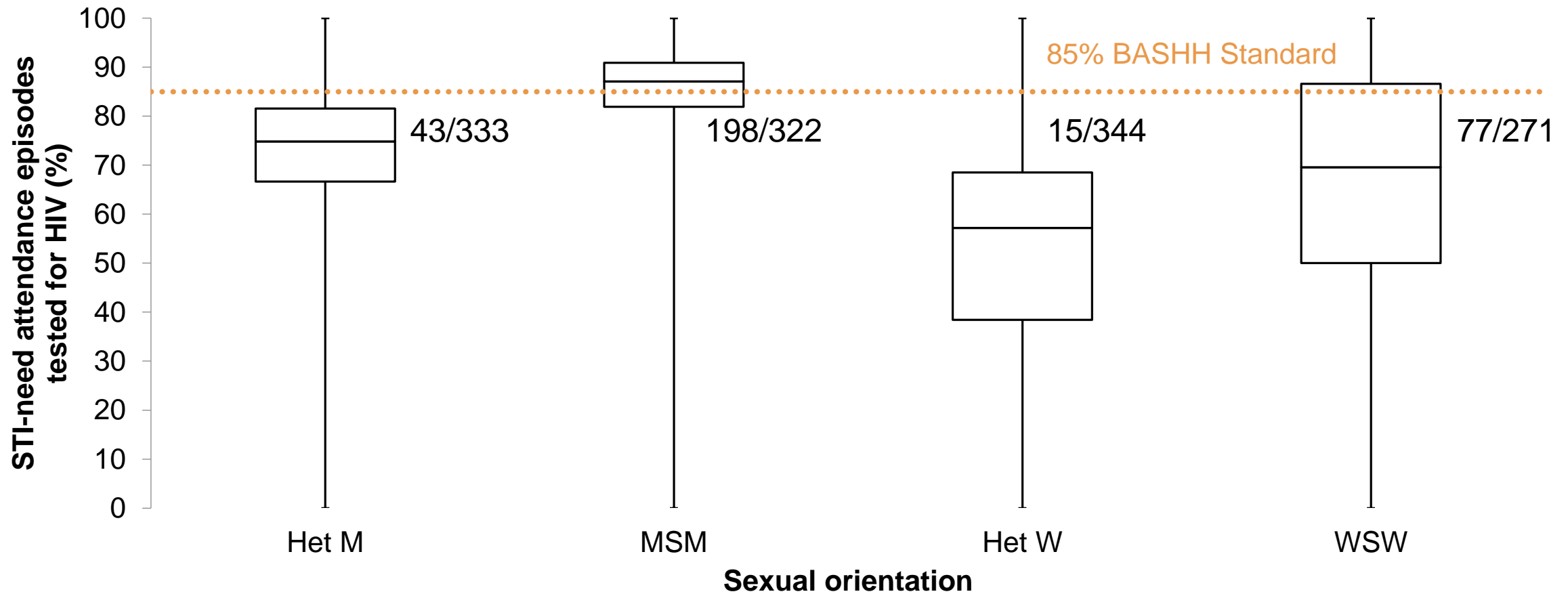
Data source: GUMCAD data

Results: The percentage of STI-need attendance episodes with offer of an HIV test and tested for HIV



Data source: GUMCAD service data

Proportion of SHSs meeting BASHH HIV testing standard in STI-need attendance episodes, by sexual orientation, 2018

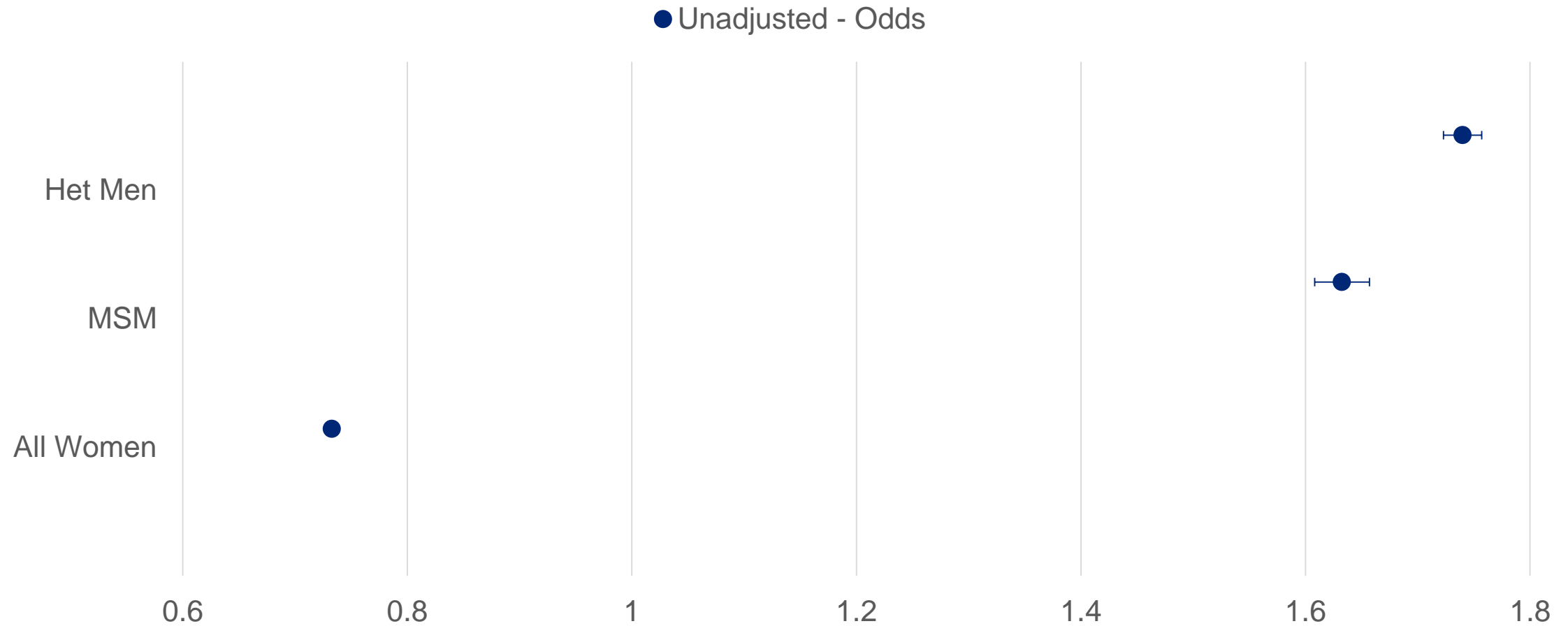


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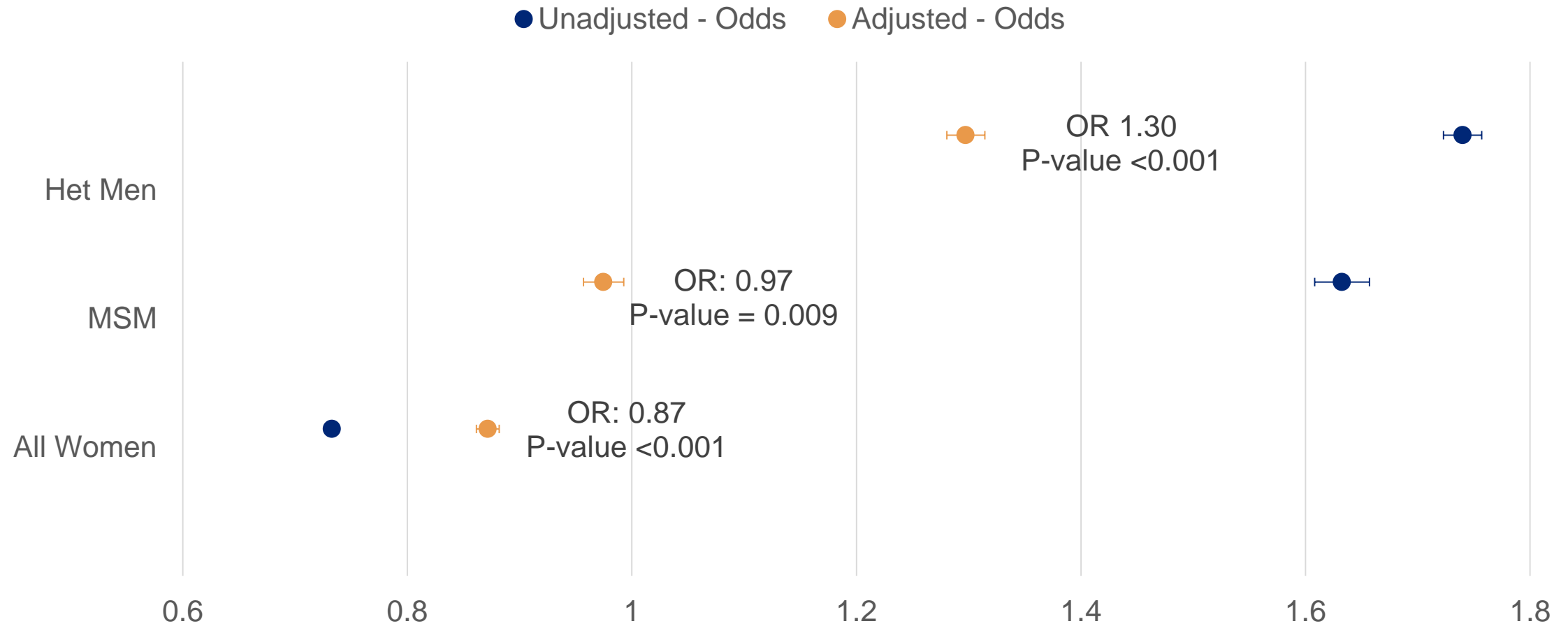
Unadjusted Odds ratios for the offer of an HIV test, stratified by sexual orientation

			Het Male		MSM		All women	
			OR	p-value	OR	p-value	OR	p-value
Ethnicity and Region of birth	White	Not born in high prevalence country	Base					
		Born in high prevalence country	1.17	<0.001	1.15	<0.001	1.14	<0.001
	Black African	Not born in high prevalence country	0.85	<0.001	0.88	<0.001	0.87	<0.001
		Born in high prevalence country	1.15	<0.001	1.19	<0.001	1.18	<0.001
	All other ethnicities	Not born in high prevalence country	0.97	<0.001	0.98	0.037	0.98	0.003
		Born in high prevalence country	1.09	0.001	1.11	<0.001	1.10	<0.001
Age group	Under 25	Base						
	25+	1.58	<0.001	1.58	<0.001	1.57	<0.001	
History of an HIV test in the past year	No	Base						
	Yes	1.65	<0.001	1.50	<0.001	1.55	<0.001	
Clinic service level	Specialist/Level 3	Base						
	Non-Specialist/Level 2	0.18	<0.001	0.18	<0.001	0.18	<0.001	
Patient region of residence	London	Base						
	Midlands and East of England	0.92	<0.001	0.97	<0.001	0.95	<0.001	
	North of England	1.00	0.605	1.04	<0.001	1.03	<0.001	
	South of England	0.73	<0.001	0.76	<0.001	0.75	<0.001	
	Other UK	0.99	0.777	1.05	0.036	1.02	0.329	
	Not UK	1.99	0.001	2.19	<0.001	2.08	<0.001	

Unadjusted odds ratio for the offer of an HIV test stratified by sexual orientation



Unadjusted and Adjusted odds ratio for the offer of an HIV test stratified by sexual orientation



Limitations

- Possible overestimation of attendance episodes with STI-related needs, e.g.
 - Contraceptive patients receiving STI screening tests
 - Patients receiving vaccinations
 - Patients returning for follow-up STI treatment

Discussion

- There were 213,003 STI-need attendance episodes in 2018 with an missed opportunity of testing, of which over 60% were in women.
- Most clinics met the standard in 2018 for testing at least 85% of STI-need attendance episodes by MSM.
- Only small proportion of clinics met the standards for Heterosexual men, Heterosexual women and WSW.
- After adjustment for confounders, women in particular are less likely to be offered an HIV test.
- Clinics should review their testing practice for all attendees particularly women.

Acknowledgements

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Any Questions?