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Sexually Transmitted Infection Testing and Associated Factors Among Men Who Have Sex with Men in China

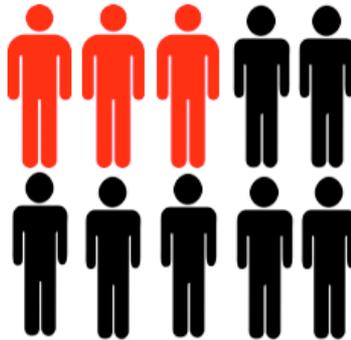
Chenglin Hong, MSW/MPH

PhD student, Department of Social Welfare

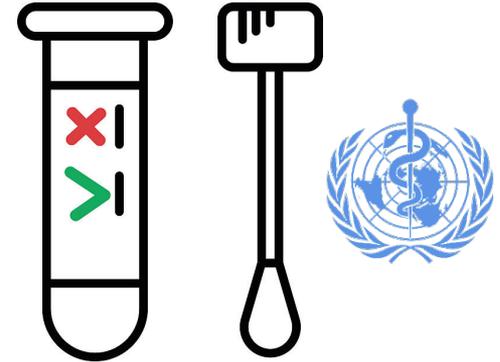
Background



MSM are disproportionately affected by STIs in China



Lifetime STI testing among MSM was low (30%) (Wu et al., 2019)



WHO recommends integrating HIV and STI testing

Objectives



STI test

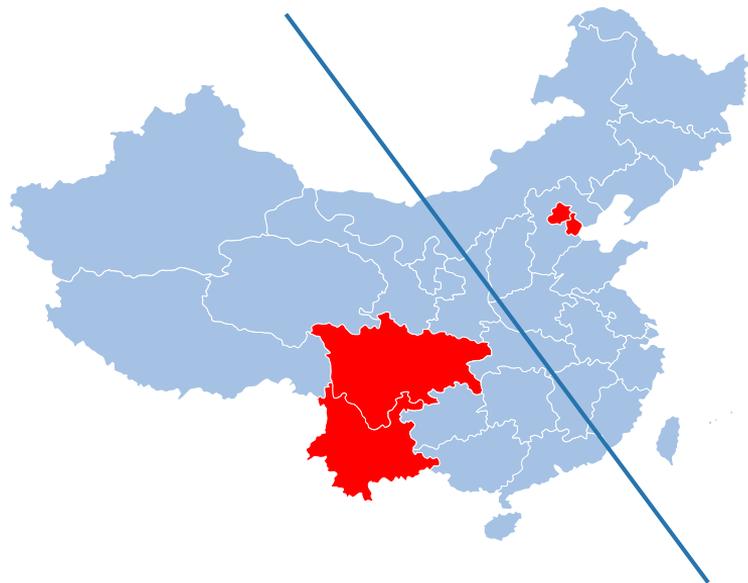
Aim 1: Determine past 6 months STI testing and diagnoses

Aim 2: Identify sociodemographic and behavioral correlates of recent STI testing

Aim 3: Examine the association between recent STI testing and HIV serostatus

Aim 4: assess the missing opportunity of concurrent recent HIV and STI testing

Methods



Eligibility

- Aged 18 and above
- Male sex at birth
- Current Blued user
- Residing in the four provinces

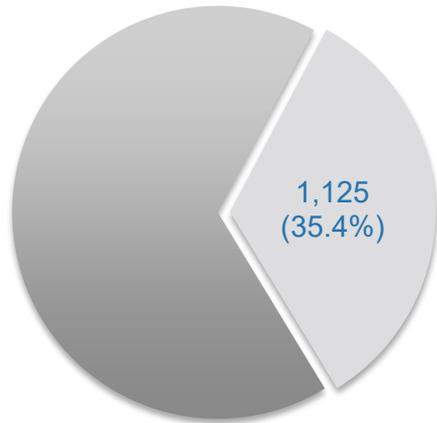
Criteria for this analysis (n = 3,176)

- Cis gender men
- Had anal sex in the past 6 months

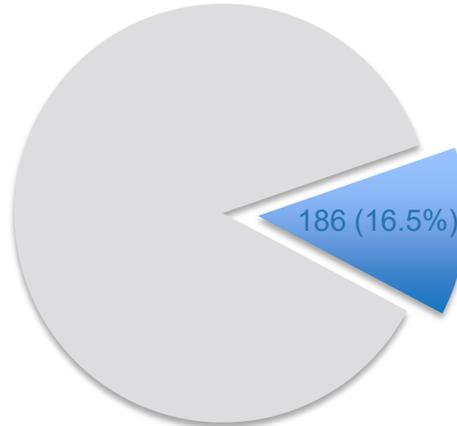


Results

Recent STI Testing And Diagnoses Among Chinese MSM (n = 3,176)



■ STI tested ■ STI not tested



■ Told by a healthcare worker that they had an STI in the last 6 months (% among those tested for STIs)



STI	%
Syphilis	9.2%
Gonorrhea	1.2%
Chlamydia	0.5%
HPV/genital warts	6.1%
Others	1.9%

Factors associated with recent STI testing

	STI tested %	Not tested %	aPR	P-value
Age				
18-24	30	39	ref	
25-34	44	42	1.04	0.64
35-44	18	14	1.23	0.05
>44	8	5	1.42	0.01
Employment Status				
Employed	80	71	Ref	
Student	14	22	0.75	0.008
Unemployed	3	3	0.89	0.53
Other	4	4	0.85	0.36
Condom use				
Never	5	9	Ref	
Some of the time	9	12	1.31	0.13
Most of the time	29	24	1.84	0.0001
Always	57	55	1.73	0.0003
Partnership status				
In an ongoing sexual relationship with an HIV-positive partner	5	2	1.84	<0.0001
In a mutually monogamous relationship with a recently tested HIV-negative partner	26	17	1.53	<0.0001
Others	69	81		
poppers use in the past 6 months	47	39	1.22	0.0025

STI testing vs. HIV serostatus

Recent STI Testing and HIV status (n=3,176)

	STI tested	Not tested	Total
HIV positive	163 (53.6%)	141 (46.4%)	304
HIV negative/known	962 (33.5%)	1,910 (66.5%)	2,872
total	1,125	2,051	3,176

P < 0.0001

Recent STI testing vs. HIV testing

Recent STI Testing and recent HIV testing (n=2,872)

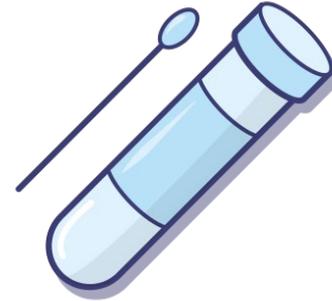
Recent HIV testing	STI tested			Not tested			Total	
	N	col%	row%	n	col%	row%	n	col%
Tested in last 6 months ago	812	84.4	56.9	616	32.3	43.1	1,428	49.7
Tested more than 6 months ago	150	15.6	10.4	1,294	67.7	89.6	1,444	50.3
Total	962		33.5	1,910		66.5	2,872	

P < 0.0001

Recent HIV testing rate: 49.7%; Lifetime HIV testing rate: 74.6%

Discussion

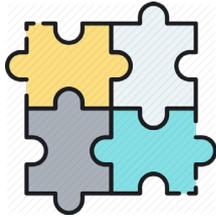
- ❑ Only **1/3** reported recent STIs testing among sexually active MSM
- ❑ **Young MSM** and **Students** were less likely to have been tested for STIs
- ❑ Missed opportunities for concurrent HIV/STI testing
 - ❑ Nearly **half** who reported recent HIV testing had not tested recently for STIs
 - ❑ **1 in 6** men who reported STI testing had not tested for HIV



Future Directions



- ❑ Promote STI testing among sexually active YMSM and students and examine the barriers

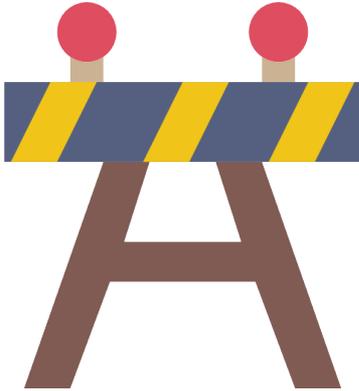


- ❑ Leveraging geosocial networking applications to reach users with STI testing information and sexual health services



- ❑ Examine the barriers to offering concurrent HIV/STI testing from providers in sexual health clinic and CBOs

Limitations



- ❑ Participants were recruited from the internet
 - ❑ generalizability
- ❑ Self-reported data
 - ❑ Social desirability bias
 - ❑ Recall bias
- ❑ Only asked question on recent STI testing
 - ❑ Lifetime STI testing
 - ❑ STI testing frequency

Acknowledgements



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blued

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Thank you



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