

Stressful life events are *universally* related to higher prevalence of substance use.

Discrimination effects *differ* by ethnoracial group *and* substance.

Unpacking Effects of Stress and Discrimination on Substance Use: Similarities and Differences among Racially Diverse YMSM

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INTRO

- General & minority stress can increase risk of substance use
- Ethnoracial groups experience & respond to stress differently

METHODS

- N=448; Black, Latino, Mixed Race (age 16-24)
- 6 month substance use & psychosocial stressors
- Modified Poisson regression: $stressors * race \rightarrow substance\ use$

RESULTS

- *Stressful events* \rightarrow higher all substances; all YMSM
- *Institutional racism* \rightarrow higher tobacco; mixed race only
- *Sexual racism* \rightarrow higher poppers; Black only
- *Shaming homophobia* \rightarrow higher tobacco; Black & mixed race
- No *harassment homophobia* effects

DISCUSSION

- Mitigating stress resulting from stressful life events is likely to have broadest impact on substance use
- Because effects of discrimination vary with race/ethnicity, intervention should be culturally adapted to subgroup needs
- Some substance use linked to specific stigma for Black and mixed race YMSM

BROADER CONTEXT: These results are part of a complex and nuanced study of discrimination and substance use comparing non-use, lifetime, and 6-month use. For more details of study results, scan the code below.

Stressful Life Events

Institutional Racism

Sexual Racism

Shaming Homophobia

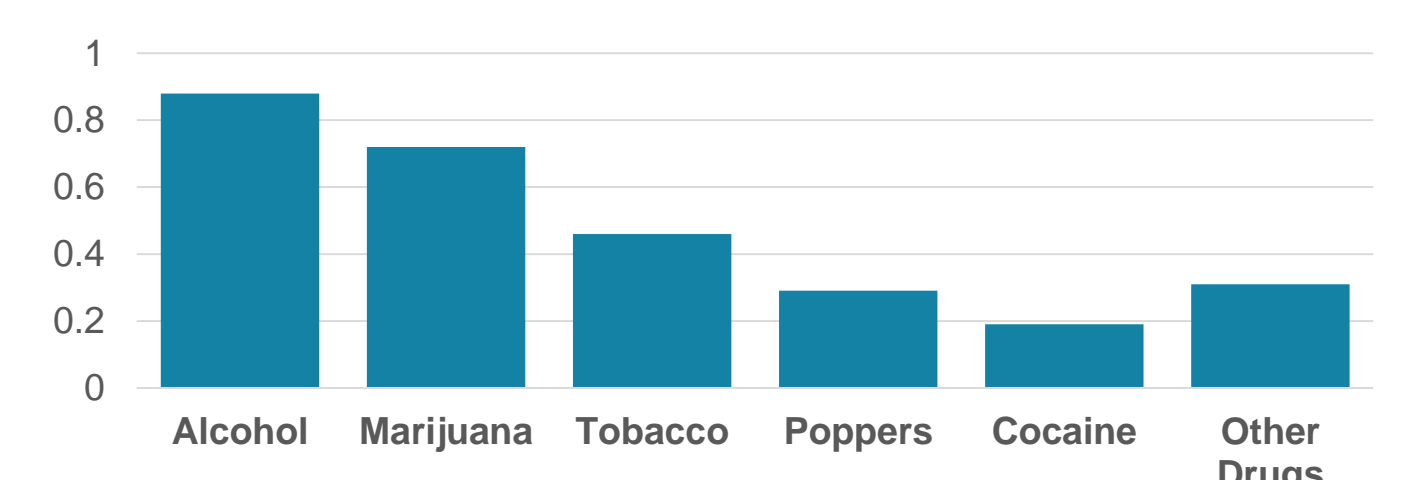
Harassment Homophobia

Associations with Substance Use

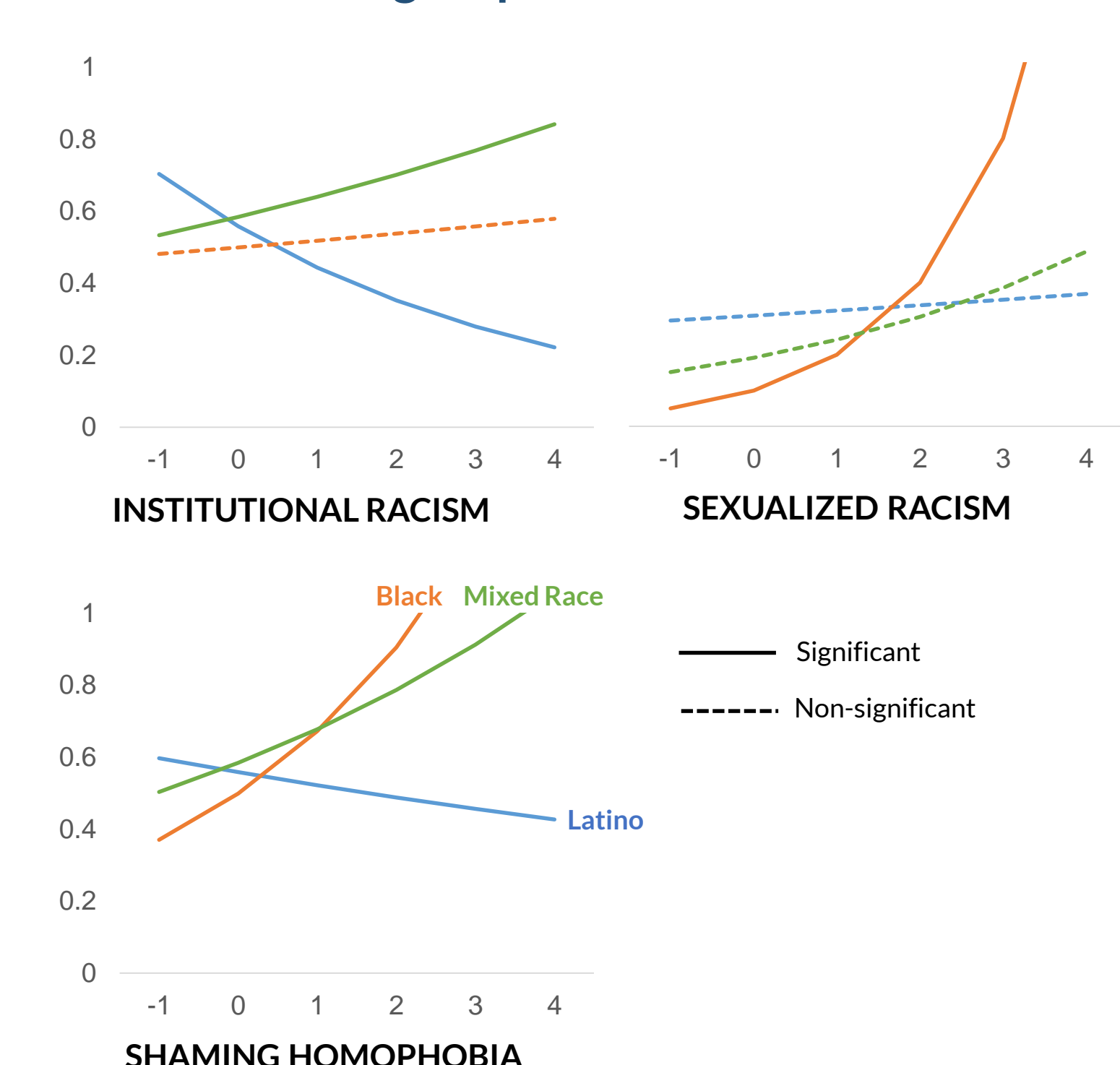
	Alcohol ¹	Marijuana ²	Tobacco	Cocaine	Poppers	Other
	PR	PR	PR	PR	PR	PR
Intercept	0.88	0.68	0.56	0.18	0.30	0.35
Stress Events Total	1.05	1.08	1.16	1.33	1.33	1.31
Stress Events Severity	0.98	1.02	1.13	0.89	1.00	0.92
Sexualized R.	0.97	1.01	1.06	1.01	1.05	0.88
Institutional R.	1.02	1.01	0.79	0.86	0.86	1.07
Harassment H.	0.98	0.93	1.09	0.87	0.96	1.13
Shaming H.	1.00	0.92	0.84	0.98	0.87	0.92
Stress Total*Black			0.79	0.85	0.74	0.90
Stress Total*Mixed			0.94	1.37	0.74	1.02
Stress Severity*Black			0.84	0.90	1.00	0.89
Stress Severity*Mixed			0.71	0.90	0.85	0.88
Sexualized*Black			0.90	1.11	1.92	1.24
Sexualized*Mixed			0.89	0.80	1.21	1.28
Institutional*Black			1.31	1.45	0.67	0.97
Institutional*Mixed			1.38	1.09	1.08	0.93
Harassment*Black			0.70	0.96	0.67	0.57
Harassment*Mixed			0.82	1.20	0.68	0.71
Shaming*Black			1.44	0.83	0.99	0.87
Shaming*Mixed			1.24	0.87	1.37	0.97

Note: PR=prevalence rate; MRE=multi-racial/ethnic. Bold-faced type indicates p<0.05. *No significant moderation for alcohol and marijuana, so main effects presented. Models adjusted for age, race, internalized homophobia, HIV status, sexual identity, & transactional sex.

6-Month Substance Use Prevalence



Ethnoracial Subgroup Moderation



REFERENCES

- Drzadzowski et al. (2016) *Drug & Alcohol Dependence*
- Goldbach et al. (2017) *Substance Use & Misuse*
- Kipke et al. (2019) *J of Medical Internet Research*
- Meyer (1995) *Journal of Health & Social Behavior*
- Wong et al. (2010) *AIDS Education & Prevention*



Take a picture to view the **abstract, poster, & complete results**

Alcohol	Poppers	Mixed Race Elevated Prevalence Rate
Marijuana	Cocaine	Black Elevated Prevalence Rate
Tobacco	Other Drugs	Black & Mixed Race Elevated Prevalence Rate

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