

Latinx Acculturation and Alcohol Use: Within and Out Group Marginalization Processes as Moderators



Aundrea Garcia, B.A., Cynthia Perez, & Brandy Piña-Watson, Ph.D.
Department of Psychological Sciences, Texas Tech University

Introduction

ALCOHOL USE IN COLLEGE CAMPUSES

- Heavy drinking and drinking-related problems are issues on college campuses.¹
- Alcohol use has implications regarding students' ability to perform well academically.²
- Has been associated with a greater likelihood for dropping out of college.³

ALCOHOL USE IN LATINX EMERGING ADULTS

- Prevalence rates specific to alcohol use disorders are higher than those of Asian and African American background.⁴
- More likely to report social consequences of drinking and alcohol dependence when compared to same-aged peers of other racial ethnic groups (e.g., African American, non-Latinx White).⁵

LATINX COLLEGE STUDENTS AND ALCOHOL USE

- Latinx college students have steadily increased in college enrollment.^{6,7,8}
- Imperative to understand factors related to increased alcohol use for this population.

ACCULTURATION AND ALCOHOL USE

- Acculturation alone may not be the factor driving the association with alcohol outcomes.
- Interaction with stressful events that may come along with it may be.



LATINX
Mental Health
& Resiliency Lab
at Texas Tech University

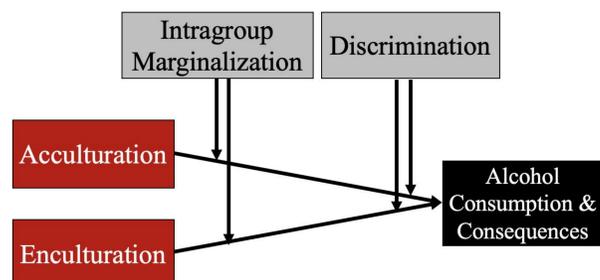
Purpose & Hypothesis

PURPOSE

The purpose of the present study is to examine the moderating effects of intragroup marginalization (IM) and discrimination on the relationships between enculturation and enculturation with alcohol consumption and consequences.

HYPOTHESES

- IM and discrimination will moderate the relationships between *acculturation* with alcohol consumption and consequences in that higher levels of IM and discrimination will put one at risk for poorer outcomes compared to lower levels.
- IM and discrimination will moderate the relationships between *enculturation* with alcohol consumption and consequences in that higher levels of IM and discrimination will put one at risk for poorer outcomes compared to lower levels.



Method

PARTICIPANTS

- 428 Latinx college students
- Ages:** 18-25 years ($M = 19.69$, $SD = 1.747$)
- Gender:** 71.3% women, 26.6% men
- Generation:** 89.5% born in the U.S.

INSTRUMENTS

- Alcohol Use Issues: AUDIT⁹
- Intragroup Marginalization: IM Scale¹⁰
- Acculturation & Enculturation: ARSMA-II¹¹
- Discrimination: Racism Scale for Latinos¹²

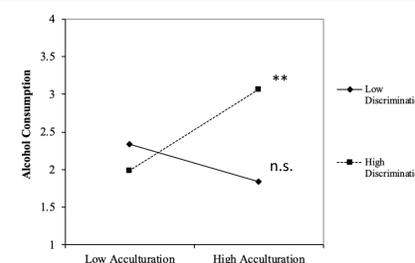
PROCEDURE

- Online Qualtrics Survey took 30-45 minutes to complete
- Participants were given course credit for their participation

Results

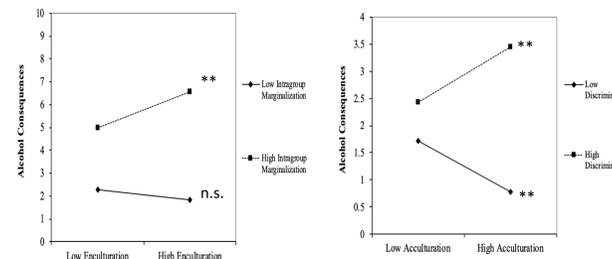
ALCOHOL CONSUMPTION

Model	B	SE	Beta	p	95.0% CI for B	
					Lower	Upper
Discrimination Model						
1 (Constant)	2.340	0.136		0.000	2.072	2.608
Enculturation	0.070	0.117	0.029	0.547	-0.159	0.300
Acculturation	0.302	0.258	0.057	0.241	-0.204	0.809
2 (Constant)	2.340	0.136		0.000	2.074	2.607
Enculturation	0.050	0.116	0.021	0.668	-0.179	0.278
Acculturation	0.227	0.258	0.043	0.379	-0.279	0.733
Discrimination	0.580	0.224	0.126	0.010	0.140	1.020
3 (Constant)	2.307	0.134		0.000	2.043	2.571
Enculturation	-0.001	0.116	0.000	0.995	-0.238	0.227
Acculturation	0.266	0.256	0.050	0.300	-0.238	0.769
Discrimination	0.356	0.242	0.077	0.141	-0.119	0.831
Acculturation x Discrimination	1.215	0.332	0.191	0.000	0.562	1.868
Enculturation x Discrimination	-0.233	0.195	-0.062	0.232	-0.615	0.149
Intragroup Marginalization Model						
1 (Constant)	2.340	0.136		0.000	2.072	2.608
Enculturation	0.070	0.117	0.029	0.547	-0.159	0.300
Acculturation	0.302	0.258	0.057	0.241	-0.204	0.809
2 (Constant)	2.340	0.135		0.000	2.074	2.606
Enculturation	0.148	0.119	0.061	0.214	-0.086	0.381
Acculturation	0.264	0.256	0.050	0.302	-0.238	0.767
IM	0.510	0.174	0.144	0.004	0.167	0.853
3 (Constant)	2.326	0.139		0.000	2.052	2.600
Enculturation	0.133	0.119	0.055	0.266	-0.101	0.367
Acculturation	0.247	0.256	0.046	0.336	-0.257	0.751
IM	0.462	0.178	0.131	0.010	0.112	0.811
Acculturation x IM	0.401	0.284	0.070	0.159	-0.158	0.961
Enculturation x IM	-0.021	0.154	-0.007	0.889	-0.323	0.281



ALCOHOL CONSEQUENCES

Model	B	SE	Beta	p	95.0% CI for B	
					Lower	Upper
Discrimination Model						
1 (Constant)	3.933	0.247		0.000	3.447	4.420
Enculturation	-0.062	0.206	-0.020	0.763	-0.468	0.344
Acculturation	0.203	0.449	0.031	0.651	-0.681	1.087
2 (Constant)	3.794	0.206		0.000	3.359	4.222
Enculturation	-0.147	0.182	-0.048	0.421	-0.506	0.212
Acculturation	-0.478	0.405	-0.072	0.240	-1.277	0.321
Discrimination	2.754	0.347	0.484	0.000	2.070	3.439
3 (Constant)	3.722	0.216		0.000	3.297	4.147
Enculturation	-0.220	0.180	-0.072	0.223	-0.575	0.135
Acculturation	-0.539	0.400	-0.081	0.179	-1.327	0.249
Discrimination	2.123	0.401	0.373	0.000	1.333	2.912
Acculturation x Discrimination	1.379	0.482	0.198	0.005	0.429	2.328
Enculturation x Discrimination	0.239	0.328	0.052	0.468	-0.408	0.885
Intragroup Marginalization Model						
1 (Constant)	3.933	0.247		0.000	3.447	4.420
Enculturation	-0.062	0.206	-0.020	0.763	-0.468	0.344
Acculturation	0.203	0.449	0.031	0.651	-0.681	1.087
2 (Constant)	3.784	0.206		0.000	3.378	4.190
Enculturation	0.330	0.176	0.108	0.062	-0.016	0.677
Acculturation	-0.128	0.375	-0.019	0.733	-0.866	0.611
IM	2.548	0.256	0.575	0.000	2.043	3.054
3 (Constant)	3.905	0.211		0.000	3.489	4.321
Enculturation	-0.241	0.176	-0.079	0.173	-0.106	0.589
Acculturation	-0.228	0.371	-0.034	0.540	-0.960	0.504
IM	2.345	0.266	0.529	0.000	1.820	2.869
Acculturation x IM	0.385	0.396	0.057	0.332	-0.395	1.165
Enculturation x IM	-0.541	0.219	-0.143	0.014	0.109	-0.973



Conclusions

- Higher levels of discrimination puts Latinx college students at risk for increased alcohol consumption and consequences at higher levels of acculturation; whereas higher levels of intragroup marginalization puts Latinx college students at risk for increased alcohol consequences at higher levels of enculturation.
- Both of these findings may be due to an incongruence in the individuals' experience. For example, if one is attempting to hold on to or require their heritage cultural values, and at the same time they are experiencing marginalization from their own ethnic group, they may not know how to reconcile this. This dissonance could put one more at risk for engaging in poorer alcohol use choices, thus consequences. The same may process may be at play in the acculturation-alcohol use link and moderations with discrimination.

IMPLICATIONS

- This study highlights that being marginalized from both those inside of your own ethnic group (intragroup marginalization) and outside of your ethnic group (discrimination) can change the relationships found in the links between acculturation and enculturation on alcohol consumption and consequences.
- Further, there is a need to examine moderating processes when conducting acculturation and alcohol use research in order to disentangle some of the confusion in the current literature regarding these associations.

References

- Merrill, J. E., & Carey, K. B. (2016). Drinking over the lifespan. *Alcohol Research*, 38(1), 103-114.
- Thombs, D. L., Olds, R. S., Bondy, S. J., Winchell, J., Balianas, D., & Rehm, J. (2009). Undergraduate drinking and academic performance: A prospective investigation with objective measures. *Journal of Studies on Alcohol and Drugs*, 70(5), 776-785.
- Martinez, J., Sher, K. J., & Wood, P. K. (2008). Is heavy drinking really associated with attrition from college? The alcohol-attrition paradox. *Psychology of Addictive Behavior*, 22(3), 450-456.
- Villalobos, B. T., & Bridges, A. J. (2018). Prevalence of substance use disorders among Latinos in the United States: An empirical review update. *Journal of Latina/o Psychology*, 6(3), 204-219.
- Mulia, N., Ye, Y., Greenfield, T. K., & Zemore, S. E. (2009). Disparities in alcohol-related problems among White, Black, and Hispanic Americans. *Alcoholism: Clinical & Experimental Research*, 33(4), 654-662.
- Musu-Gillette, L., de Brey, C., McFarland, J., Hussar, W., Sonnenberg, W., Wilkinson-Flicker, S. (2017). Status and trends in the educational of racial and ethnic groups. National Center for Education Statistics, 051, 6-136.
- Fry, R., & Lopez, H. (2012). III. Hispanic College Enrollments. *Pew Research Center: Hispanic Trends*. <https://www.pewresearch.org/hispanic/2012/08/20/iii-hispanic-college-enrollments/>
- Granlich, J. (2017). Hispanic dropout rate hits new low, college enrollment at a new high. *Pew Research Center*. <https://www.pewresearch.org/fact-tank/2017/09/29/hispanic-dropout-rate-hits-new-low-college-enrollment-at-new-high/>
- Babor, T. F., Higgins-Biddle, J. C., Saunders, J. B., & Monteiro, M. G. (2001). AUDIT: The Alcohol Use Disorders Identification Test: Guidelines for Use in Primary Care. Department of Mental Health and Substance Dependence. World Health Organization.
- Castillo, L. G., Conoley, C. W., Brossart, D. F., & Quiros, A. E. (2007). Construction and validation of the Intragroup Marginalization Inventory. *Journal of Cultural Diversity and Ethnic Minority Psychology*, 13, 232-240. doi: 10.1037/1099-9809.13.3.232
- Cuellar, I., Arnold, B., Maldonado, R. (1995). Acculturation Rating Scale for Mexican Americans-II: A revision of the original ARSMA scale. *Hispanic Journal of Behavioral Science*, 17(3), 275-304.
- Collado-Proctor, S. M. (1999). The Perceived Racism Scale for Latina/os: A multidimensional assessment of the experience of racism among latina/os. *Dissertation Abstracts International: Section B: The Sciences and Engineering*, 60(1-B), 0361.



TEXAS TECH UNIVERSITY
Department of Psychological Sciences