



Karriker-Jaffe, KJ, Delucchi, KL & Gupta, S. (2014, November). Neighborhood disadvantage and drinking patterns over time. Paper presented at the 142nd Annual Meeting and Expo of the American Public Health Association. New Orleans, LA. November 15-19.

Learning Objectives

- Compare characteristics of residential neighborhoods for people with different drinking patterns
- Evaluate relationships between drinking patterns and duration of neighborhood poverty over time
- Assess factors that increase likelihood heavy drinkers will migrate to or remain in high-poverty neighborhoods over time



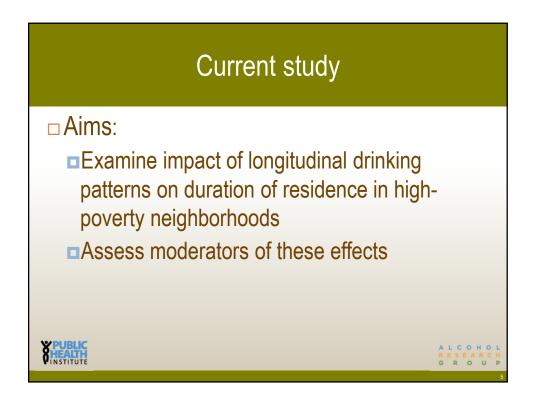


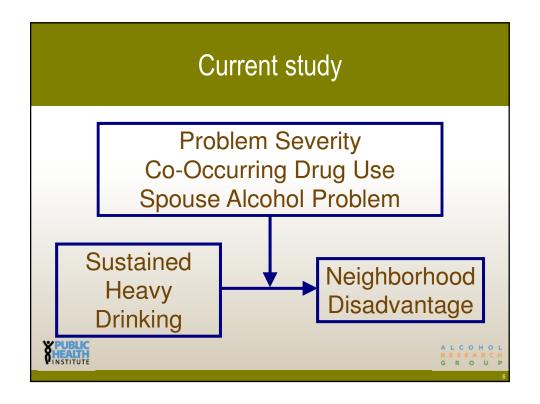
Why study neighborhood effects?

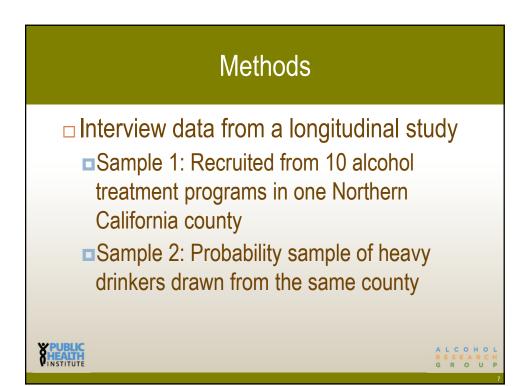
- Neighborhoods differ in social and physical resources
- Neighborhoods influence health and behavior
- Some neighborhoods are good places to live, others are not
- People choose their neighborhoods for many reasons

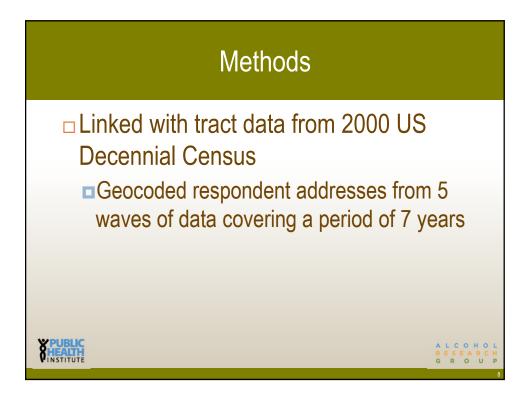


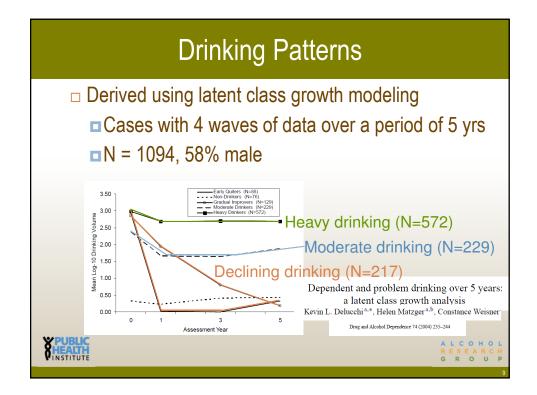




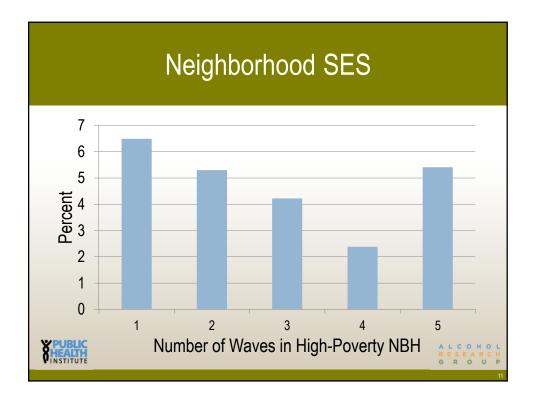


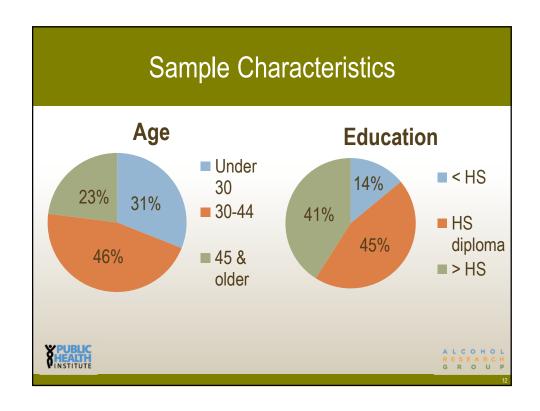


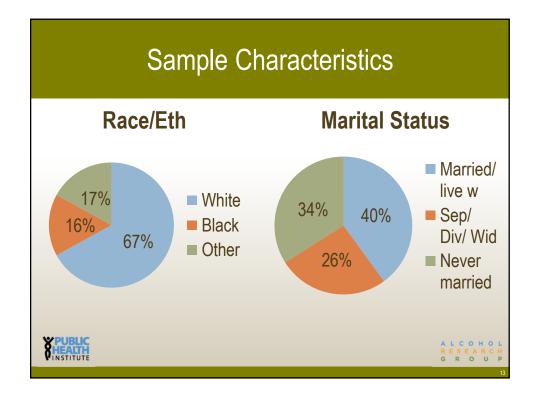


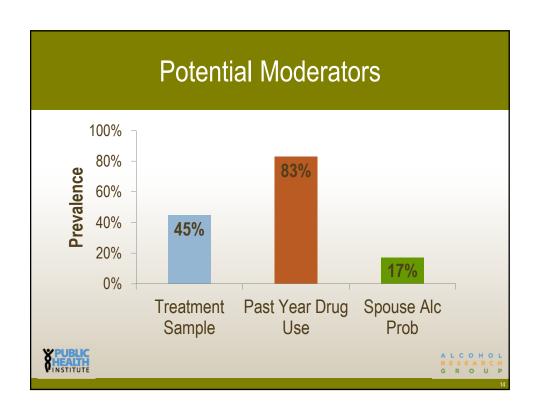


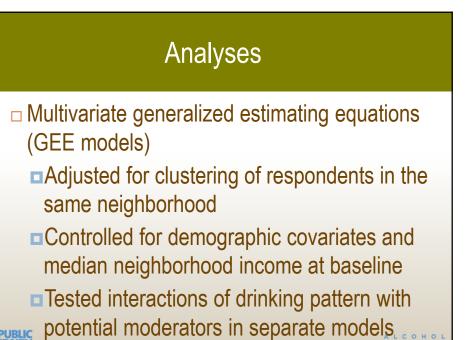












Results: Main Effect Model				
		Main Effect Model		
	Moderate Drinking	2.93+		
	Heavy Drinking	3.10*		
	NBH Median Income	-0.0004**		
	Black/African American	12.88**		
	Other Race/Ethnicity	1.40		
	Separated/Divorced/Wid	1.97		
	Never Married	2.46+		
	Less than HS	4.18*		
	HS Diploma	1.07		
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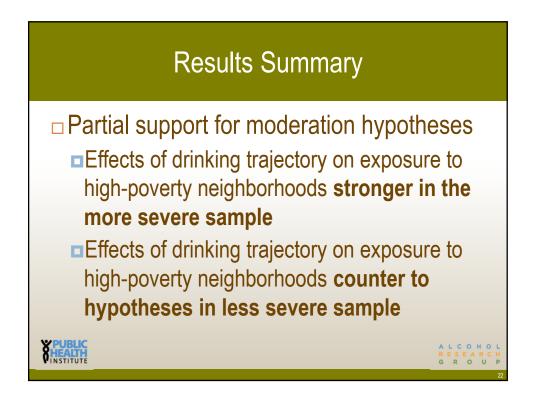
Results: Interaction Models					
		Main Effect Model	Interaction with Severity		
	Moderate Drinking	2.93+	-6.56*		
	Heavy Drinking	3.10*	-6.82*		
	NBH Median Income	-0.0004**	-0.0004**		
	Black/African American	12.88**	12.27**		
	Less than HS	4.18*	5.34**		
	Recent treatment		-9.63**		
	Moderate * Severe Samp		12.23**		
	Heavy * Severe Samp		13.51**		
PUBLIC	* P <.10; * P <.05; ** P<.01; All analyses controlled for age, sex, marital status, family history of alcoholism, spouse alcohol problem, arrested/in jail, saw psychotherapist, drug use in past year, baseline dependence and sample (severity)			ALCOHOL RESEARCH GROUP	

Results: Interaction Models			
	Main Effect Model	Interaction w/ Spouse Alc	
Moderate Drinking	2.93+	4.70*	
Heavy Drinking	3.10*	4.10*	
NBH Median Income	-0.0004**	-0.0003**	
Black/African American	12.88**	18.20**	
Less than HS	4.18*	4.12+	
Spouse alcohol problem		6.65	
Moderate * Spouse alc		-10.02+	
Heavy * Spouse alc		-7.87	
*PUBLIC HEALTH INSTITUTE + P<.10; * P<.05; ** P<.01; All anal family history of alcoholism, spouse psychotherapist, drug use in past yet (severity)	alcohol problem, arres	ted/in jail, saw	

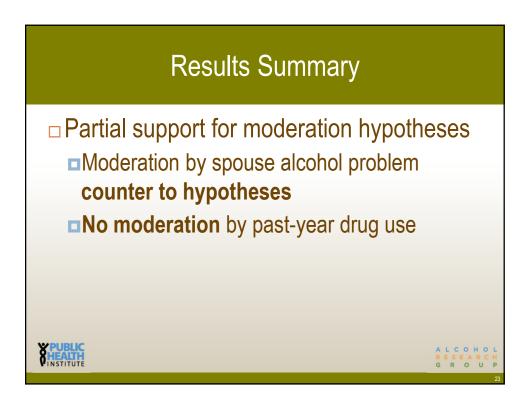
Results: Interaction Models					
		Main Effect Model	Interaction w/ Drug Use		
	Moderate Drinking	2.93+	3.81		
	Heavy Drinking	3.10*	-0.002		
	NBH Median Income	-0.0004**	-0.0004**		
	Black/African American	12.88**	12.64**		
	Less than HS	4.18*	5.37**		
	Drug use		-0.86		
	Moderate * Drug use		-1.36		
	Heavy * Drug use		3.33		
PUBLIC fa	P <.10; * P <.05; ** P<.01; All analysamily history of alcoholism, spouse a sychotherapist, drug use in past yea severity)	lcohol problem, arre	ested/in jail, saw	A L C O H O RESEARC G R O U	

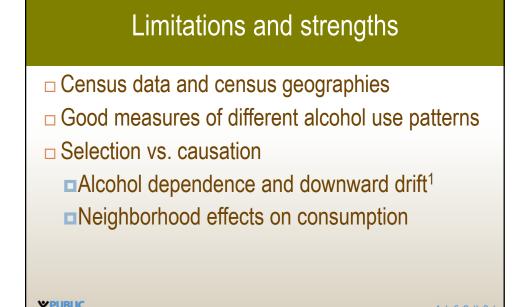
Results: Stratified Models			
	More Severe Sample	Less Severe Sample	
Moderate Drinking	6.05*	-6.56*	
Heavy Drinking	5.57*	-6.82*	
NBH Median Income	-0.0004**	-0.0003**	
Black/African American	15.21**	15.71**	
Other Race/Ethnicity	3.12	-0.03	
Separated/Divorced/Wid	-1.76	4.96**	
Never Married	5.02+	-0.46	
Less than HS	5.53 ⁺	7.92**	
HS Diploma	2.14	0.56	
*P<.10; *P<.05; **P<.01; All analyses controlled for age, sex, family history of alcoholism, spouse alcohol problem, arrested/in jail, saw psychotherapist, drug use in past year, baseline dependence and sample (severity)			

Results: Stratified Models						
		Spouse Alc Prob	No Spouse Alc Prob			
	Moderate Drinking	-4.83	5.79*			
	Heavy Drinking	-4.44	6.29*			
	NBH Median Income	-0.0002**	-0.0003**			
	Black/African American	20.87**	20.29**			
	Other Race/Ethnicity	-1.10	4.03+			
	Separated/Divorced/Wid	-0.26	2.35			
	Less than HS	10.15+	3.52			
	HS Diploma	-2.06	3.01+			
	Note: Never married not included					
Ø _{IN}	* P<.10; * P<.05; ** P<.01; All analyses controlled for age, sex, family history of alcoholism, spouse alcohol problem, arrested/in jail, saw psychotherapist, drug use in past year, baseline dependence and sample (severity)					



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1. Buu, et al. (2007) ACER, 31, 1545-1551

