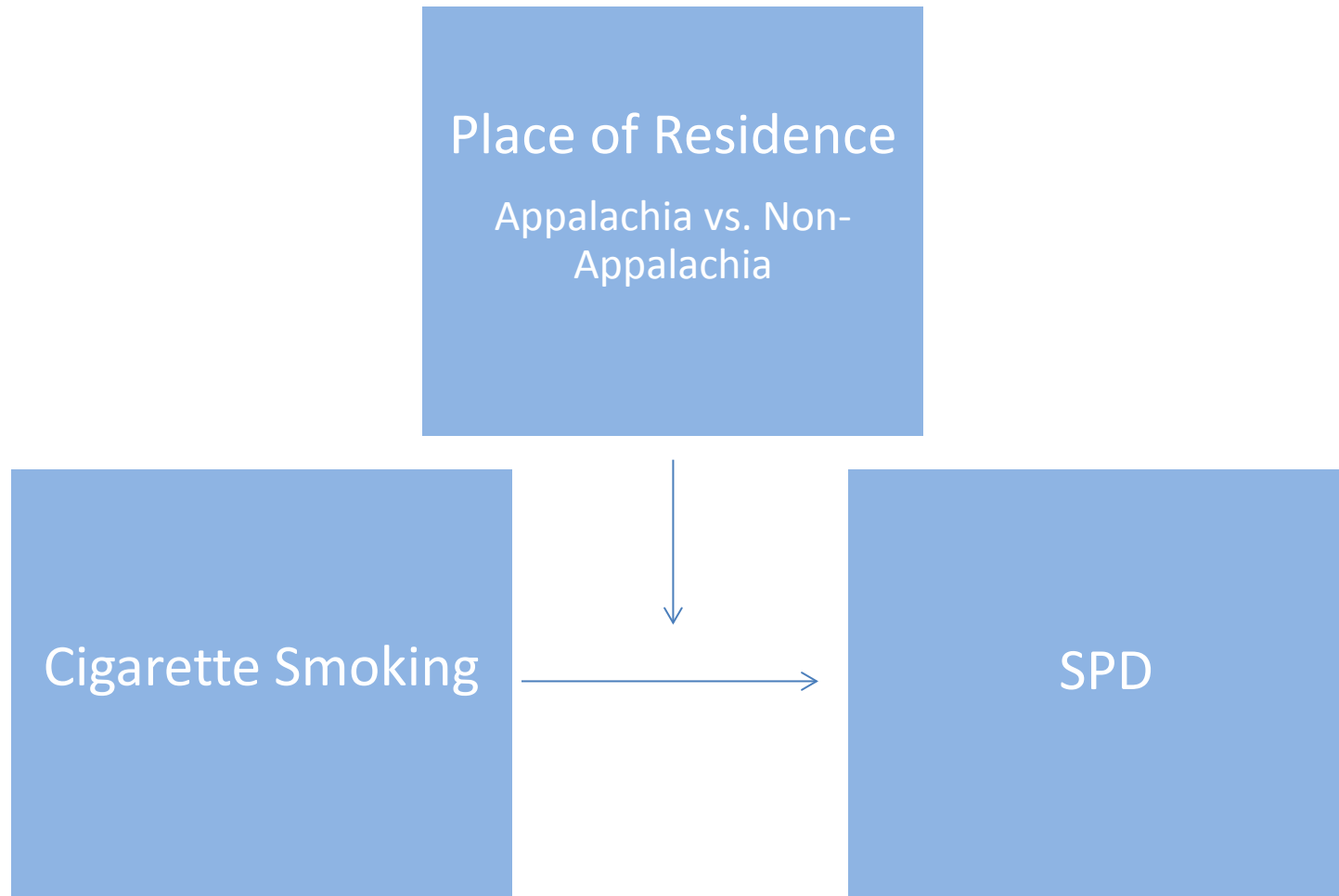


Cigarette Smoking and Serious Psychological Distress (SPD) among the White Appalachian Population

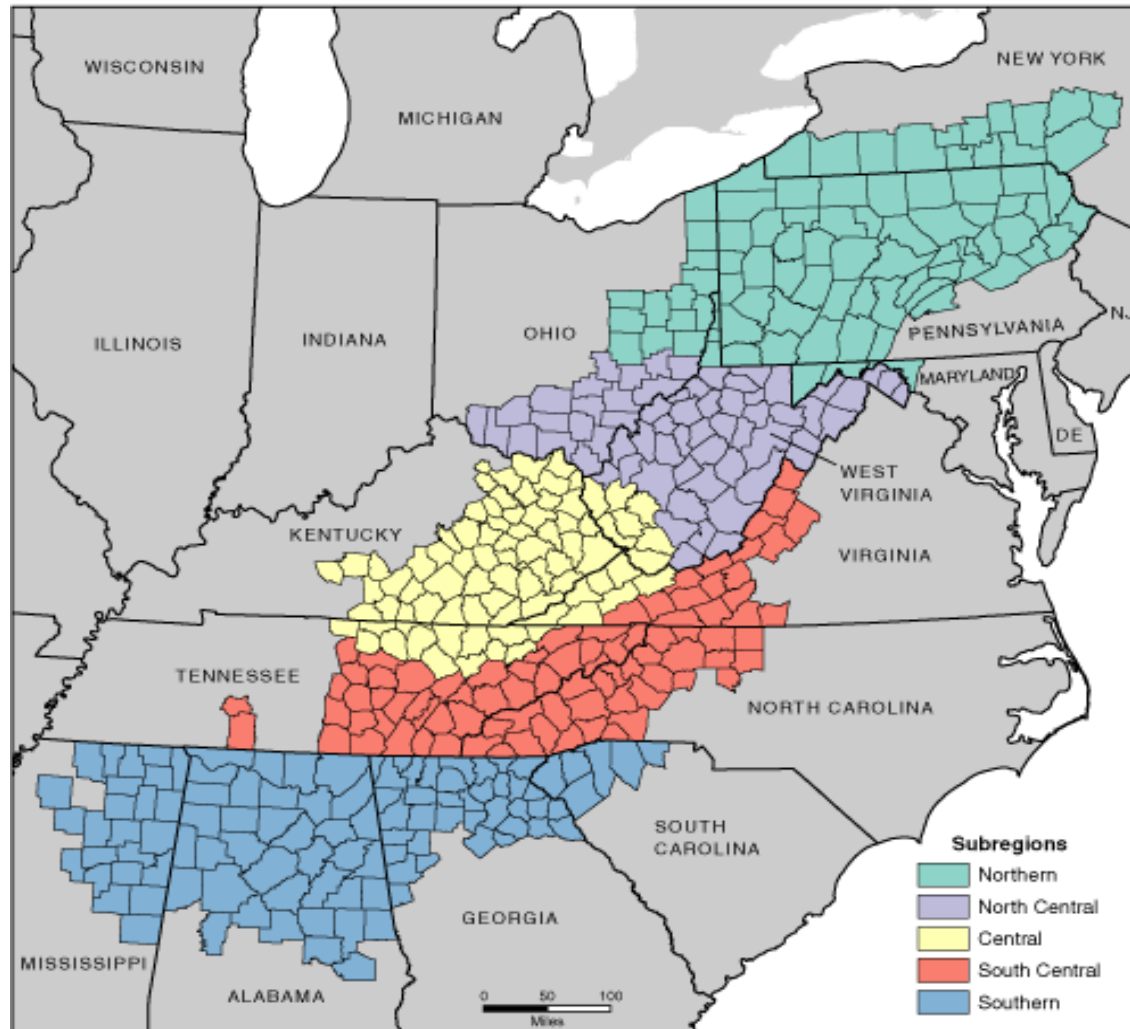
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Research Question



Map of Appalachia Region



Map by: Appalachian Regional Commission, November 2009.

Kessler Six-item Distress Scale

During the PAST 30 DAYS, how often did you feel...

1. So sad that nothing could cheer you up;
2. Nervous;
3. Restless or fidgety;
4. Hopeless;
5. That everything was an effort; and
6. Worthless.

The following options are given for describing frequency:

1. NONE of the time;
2. A LITTLE of the time;
3. SOME of the time;
4. MOST of the time; and
5. ALL of the time

Smoking characteristics by SPD

	Total (n=4527)	Yes (SPD score ≥ 13) (n=228)	No (SPD score < 13) (n=4299)	p-value*
Smoking Status, n (%)				<.0001*
Never Smoker	2222 (48.9)	89 (38.8)	2133 (49.7)	
Former Smoker	1525 (29.1)	41 (15.7)	1484 (30.3)	
Current Smoker	780 (22.0)	98 (45.5)	682 (20.0)	
Cigarettes/day, mean (SEM)	17.7 (0.6)	19.0 (1.4)	17.4 (0.6)	
Smoking Intensity, n (%)				0.69
Light (0-14)	231 (38.5)	29 (39.6)	202 (38.3)	
Moderate (15-24)	265 (44.1)	30 (39.5)	235 (44.9)	
Heavy (>25)	112 (17.4)	21 (20.9)	91 (16.8)	
Quit Attempt, n (%) ³				0.98
Yes	362 (47.6)	48 (47.5)	49 (52.5)	
No	415 (52.4)	314 (47.7)	366 (52.3)	
Appalachia, n (%)				0.66
Yes	428 (10.9)	29 (8.7)	399 (91.3)	
No	4099 (89.1)	199 (7.6)	3900 (92.4)	

*p-value <0.05

Association between smoking behaviors and risk of SPD

	Beta Estimate	Prevalence Odds Ratio ¹	95% CI	p-value*
Smoking Status				
Never		1.0 (referent)		
Former	-0.5443	0.58	0.31-1.08	0.09
Current	0.7732	1.91	1.15-3.20	0.01*
Cigarettes per day, mean	0.0239	1.02	1.01-1.04	0.002*
Smoking intensity				
Light (0-14)		1.0 (referent)		
Moderate (15-24)	-0.2969	0.74	0.33-1.65	0.47
Heavy (>25)	0.2285	1.26	0.50-3.16	0.63
Quit Attempt				
Status				
No		1.0 (referent)		
Yes	-0.0901	0.91	0.49-1.70	0.78

¹POR's are adjusted for sex, age, education, sample mode

*p-value <0.05, all interactions not significant

Research Question

