

Most current smokers desire genetic susceptibility testing and genetically-efficacious medication

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Online Resource 1 Demographic factors and medical history of the observational study sample only, stratified by self-reported desire to receive genetic susceptibility testing results for nicotine dependence. For the observational study sample only, age ≥ 40 years, having a college degree, and a positive medical history (≥ 1 medical condition) were significantly associated with high self-reported interest in receiving genetic susceptibility testing results for nicotine dependence.

	High interest in receiving genetic testing results ^a		Univariate logistic regression models predicting high interest in receiving results			Multivariate logistic regression models predicting high interest in receiving results		
	Yes	No	OR	95% CI	p-value	OR	95% CI	p-value
Participants (<i>n</i> = 1306)	1083	223						
Desire to receive genetic testing results								
Extremely interested	541							
Very interested	344							
Moderately interested	198							
Slightly interested		124						
Not at all interested		99						
Gender								
Male	689	159		Reference			Reference	
Female	394	64	1.42	1.04-1.95	.03	1.22	0.88-1.69	.24
Race								
Caucasian	309	52		Reference			Reference	
African American	686	157	0.74	0.53-1.03	.08	1.02	0.71-1.46	.92
Other	88	14	1.06	0.56-2.00	.86	1.31	0.69-2.51	.41
Age (years)								
<30	246	62		Reference			Reference	
30-34	259	75	0.87	0.60-1.27	.47	0.83	0.57-1.22	.35
35-39	286	49	1.47	0.98-2.22	.07	1.30	0.85-1.97	.22
≥ 40	292	37	1.99	1.28-3.09	.002	1.87	1.20-2.89	.005
Household Income								
Above federal poverty level	643	122		Reference			Reference	
Below federal poverty level	440	101	0.83	0.62-1.11	.20	0.95	0.70-1.29	.74
Educational Attainment								
Up to a high school diploma or GED	726	178		Reference			Reference	
1-3 years of college	240	40	1.47	1.01-2.14	.04	1.29	0.88-1.91	.19
Bachelor's degree or higher	117	5	5.74	2.31-14.3	.0002	4.71	1.85-12.0	.001
Medical History								
None	457	125		Reference			Reference	
≥ 1 medical condition	626	98	1.75	1.31-2.34	.0002	1.51	1.12-2.04	.007

^a“High interest” was defined as participants reporting that they were “moderately”, “very”, or “extremely” interested in receiving genetic results