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

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Online Resource 2 Demographic factors, medical history, and hypothetical pharmacogenetic responses to smoking cessation medication of the clinical trial sample, stratified by self-reported desire to take smoking cessation medication. An above average hypothetical genetic response to smoking cessation medication and having a college degree were significantly associated with clinical trial participants' self-reported desire to take smoking cessation medication in both univariate and multivariate repeated measures logistic regression analyses.

	Desire to take smoking cessation medication ^b		Univariate GEE ^c models predicting desire to take smoking cessation medication			Multivariate GEE ^c models predicting desire to take smoking cessation medication		
	Yes	No	OR	95% CI	<i>p</i> -value	OR	95% CI	<i>p-</i> value
Participants ^a $(n = 474)$	751	197						
Hypothetical response to medication								
Below average	289	185		Reference			Reference	
Above average	462	12	24.6	14.0-43.4	<.0001	29.0	15.7-53.7	<.0001
Gender								
Male	318	82		Reference			Reference	
Female	433	115	0.97	0.72-1.31	.85	0.96	0.66-1.41	.85
Race								
Caucasian	513	131		Reference			Reference	
African American	198	52	0.97	0.67-1.40	.88	0.89	0.56-1.44	.65
Other	40	14	0.73	0.41-1.31	.29	0.75	0.35-1.60	.45
Age (years)								
<30	68	24		Reference			Reference	
30-34	53	19	0.93	0.52-1.66	.81	0.99	0.42-2.29	.97
35-39	107	29	1.23	0.71-2.13	.46	1.55	0.74-3.25	.25
>40	523	125	1.39	0.89-2.18	.14	1.84	0.98-3.45	.06
Household Income								
Above federal poverty level	660	182		Reference			Reference	
Below federal poverty level	91	15	1.67	0.91-3.06	.1	1.87	0.91-3.83	.09
Educational Attainment								
Up to 1-3 years of college	580	132		Reference			Reference	
Bachelor's degree or higher	171	65	0.60	0.44-0.82	.001	0.51	0.33-0.78	.002
Medical History								
None	261	67		Reference			Reference	
≥1 medical condition	490	130	0.97	0.70-1.32	.83	0.83	0.55-1.25	.37

^a474 participants responded twice, once based on a hypothetical below average response to medication, and once based on an above average response

b"Desire" was defined as a participant response in the range of 5-7 on a Likert scale of increasing desire from 1 ("no desire to quit") to 7 ("extremely strong desire")

^cGeneralized estimating equation (used for repeated measures logistic regression)