

## Appendix D. Multivariable model parameter estimates.

### 1. Perceived lung cancer risk

Variable	Parameter estimate	95% Confidence Interval	p
Age		-	0.740
55-59	(ref)		
60-64	-2.10	[-16.47, 12.28]	
65-69	-6.70	[-20.51, 7.11]	
70-75	-7.56	[-26.95, 11.83]	
Gender		-	0.663
Female	(ref)		
Male	-2.58	[-13.43, 8.28]	
Lung Cancer Risk		-	0.883
1 – 2%	(ref)		
>2 – 4.33%	5.84	[-10.16, 21.84]	
> 4.33 – 30%	4.20	[-12.36, 20.76]	
Time		-	<0.001
Pre-counseling	(ref)		
Post-counseling	-29.56	[-39.33, -19.78]	
Lung Cancer Risk x Time Interaction			0.005

### 2. Perceived uncertainty about lung cancer risk

Variable	Parameter estimate	95% Confidence Interval	p
Age		-	0.645
55-59	(ref)		
60-64	0.14	[-0.39, 0.67]	
65-69	-0.17	[-0.69, 0.34]	
70-75	0.01	[-0.70, 0.71]	
Gender		-	0.236
Female	(ref)		
Male	-0.25	[-0.66, 0.16]	
Time		-	0.062
Pre-counseling	(ref)		
Post-counseling	0.31	[-0.02, 0.63]	

### 3. Interest in lung cancer screening

Variable	Parameter estimate	95% Confidence Interval	p
Age		-	0.906
55-59	(ref)		
60-64	-0.06	[-0.44, 0.32]	
65-69	0.03	[-0.32, 0.37]	
70-75	0.09	[-0.34, 0.52]	
Gender		-	0.646
Female	(ref)		
Male	-0.07	[-0.33, 0.20]	
Time		-	<b>0.001</b>
Pre-counseling	(ref)		
Post-counseling	0.34	[0.15, 0.53]	

### 4. Interest in smoking cessation

Variable	Parameter estimate	95% Confidence Interval	p
Age		-	0.327
55-59	(ref)		
60-64	0.30	[-1.13, 1.73]	
65-69	-0.77	[-2.24, 0.70]	
70-75	0.07	[-2.95, 3.10]	
Gender		-	0.139
Female	(ref)		
Male	0.96	[-0.20, 2.11]	
Time		-	0.852
Pre-counseling	(ref)		
Post-counseling	0.27	[-0.94, 1.47]	

### 5. Personal risk threshold for screening

Variable	Parameter estimate	95% Confidence Interval	p
Age		-	0.881
55-59	(ref)		
60-64	-4.62	[-20.93, 11.69]	
65-69	-0.20	[-16.02, 15.61]	
70-75	-6.20	[-26.81, 14.41]	
Gender		-	0.860
Female	(ref)		
Male	1.45	[-11.12, 14.02]	
Time		-	<b>&lt;0.001</b>
Pre-counseling	(ref)		
Post-counseling	-12.23	[-18.31, -6.14]	

Multivariable repeated-measures Analysis of Variance (ANOVA) models; ref – reference class