## SUPPLEMENTARY FILE

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Smokers' strategies across social grades to minimise the cost of smoking in a period with annual tax increases: Evidence from a national survey in England BMJ Open

**Supplementary Table 1:** Results from weighted Generalised Additive Models (GAM) for cost of smoking, with total cigarette consumption and proportion of RYO use.

	Percentage difference in cost of smoking (100β with 95%Cl)		
	Model 6		
	Adjusted for other cost-minimising		
	strategies		
Age (per 10 years increase)	-0.29 (-0.85 to 0.27)		
Gender			
Male	ref		
Female	1.29 (-0.51 to 3.08)		
Social grade			
Low	ref		
Middle	2.35 (0.40 to 4.30)		
High	-1.24 (-4.06 to 1.57)		
Total cigarette consumption (per 10 cigarettes decrease)	-10.0 (-9.83 to -10.17)		
Proportion of RYO cigarette consumption <sup>a</sup>	-70.41 (-72.29 to -68.53)		
Use of illicit sources	-9.91 (-13.21 to -6.62)		
Use of cross-border sources	-8.68 (-11.93 to -5.42)		

<sup>a</sup> Represents the difference between 0% RYO and 100% RYO cigarettes of total consumption.

Supplementar	v Table 2	2: Results from	weighted	Generalised	Additive N	Models (	GAM)	) for I	orice	per ci	garette.
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	Percentage difference in price per cigarette (100β with 95%Cl)
	Model 6
	Adjusted for other cost-minimising
	strategies
Age (per 10 years increase)	-0.59 (-1.06 to -0.11)
Gender	
Male	ref
Female	1.70 (0.18 to 3.23)
Social grade	
Low	ref
Middle	5.41 (3.75 to 7.07)
High	9.52 (7.12 to 11.91)
Factory-made cigarette consumption (per 10 cigarettes decrease)	0.81 (0.97 to 0.65)
RYO cigarette consumption (per 10 cigarettes decrease)	7.76 (7.93 to 7.59)
Use of illicit sources	-12.10 (-14.90 to -9.29)
Use of cross-border sources	-11.17 (-13.94 to -8.40)

	Percentage difference in cost of smoking (100β with 95%CI)		
	Model 6		
	Adjusted for other cost-minimising		
	strategies		
Age (per 10 years increase)	0.39 (-0.25 to 1.02)		
Gender			
Male	ref		
Female	1.48 (-0.57 to 3.52)		
Social grade			
Low	ref		
Middle	0.32 (-1.90 to 2.54)		
High	-3.16 (-6.44 to 0.12)		
Factory-made cigarette consumption <sup>a</sup>			
Per 10 cigarettes decrease	-12.27 (-12.48 to -12.05)		
RYO cigarette consumption <sup>b</sup>			
Per 10 cigarettes decrease	-4.56 (-4.77 to -4.34)		
Use of illicit sources <sup>c</sup>			
No use of illicit sources in last 6 months	ref		
Used illicit sources in last 6 months	-9.12 (-12.83 to -5.42)		
Cross-border purchase <sup>d</sup>			
No cross-border purchase in last 6 months	ref		
Cross-border purchase in last 6 months	-14.87 (-18.57 to -11.18)		

**Supplementary Table 3:** Results from weighted Generalised Additive Models (GAM) for cost of smoking, in the population from which respondents were not excluded based on the reported value for price/cigarette (N=17,789).

RYO = roll-your-own



---Cross-border purchase (%)

**Supplementary Figure 1:** Weighted trends in cost of smoking, cigarette consumption, use of illicit sources, and cross-border purchase among smokers in England, stratified by social grade.