Table 2 Decomposition of the gap in smoking prevalence between the first and fifth quintiles of socioeconomic status, Islamic Republic of Iran, 2005

Smoking	Prediction (%)	95% CI		P
Prevalence in first quintile	18.0	17.4	18.5	< 0.001
Prevalence in fifth quintile	13.5	13.1	14.0	< 0.001
Differences (total gap)	4.5	3.7	5.1	<0.001
Differences due to endowments (explained)a				
Age	2.2	1.6	2.7	< 0.001
Education	4.6	3.8	5.3	< 0.001
Sex (male = 0, female = 1)	−3.6	−3.9	−3.3	< 0.001
Living area (urban = 0, rural = 1)	0.6	0.2	1.0	0.002
Marital status	3.3	2.8	3.8	< 0.001
Sub-total gap	7.2	6.4	8.0	< 0.001
Differences due to coefficients (unexplained)b				
Age	−64.6	−2.1	8.0	0.381
Education	6.4	−10.0	22.3	0.447
Sex	15.7	−21.5	5.3	0.408
Living area	4.2	−6.0	14.4	0.423
Marital status	6.2	−8.3	20.8	0.400
Constant	29.4	−44.6	103.3	0.436
Sub-total gap	−2.7	−3.5	−2.0	< 0.001

aPart of gap that related to differences in independent variables between two groups.

bPart of gap that related to differences of regression coefficients (βs) in two groups.

CI = confidence interval.