

Supplementary file S2

Principal component analysis (PCA)

One proposition out of 25 was excluded from the analysis, because it was unintentional in relation to this research (Smuggled tobacco is available around me) and another proposition (Nicotine replacement products are too expensive) was excluded from the analysis, because its communality was below 0,3, and so it did not load on any component. We were left with 23 tobacco control and smoking-related propositions in the analysis. Several principal component analyses were conducted in search for the best possible solution and we ended up using oblique rotation (Promax), because the components might be related to each other and it gave the best solution in terms of interpretation. The PCA yielded six different tobacco policy components, of which four were usable considering this paper. We excluded some propositions based on the reliability analysis and eventually, 15 propositions comprising four components were included in the further analysis.

Below are the results from the PCA conducted with SPSS version 24.0.

| | | |
|--|--------------------|-----------|
| Kaiser-Meyer-Olkin Measure of Sampling Adequacy. | | ,767 |
| Bartlett's Test of Sphericity | Approx. Chi-Square | 24498,151 |
| | df | 253 |
| | Sig. | ,000 |

Pattern Matrix^a

| | Component | | | | | |
|--|-----------|-------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| I like smoking | -,728 | | | | | |
| I like the smell of tobacco | -,727 | | | | | |
| A non-smoker may get sick as a result of inhaling tobacco smoke | ,586 | | | | | |
| All smoking is not harmful | -,525 | | | | | ,334 |
| Smoking on balconies should be forbidden by law | ,500 | | | | | |
| Youth smoking must be restricted | ,487 | | | | | |
| Tobacco must be sold in fewer places | ,452 | | | | | |
| Teachers must be allowed to smoke during working hours | | ,967 | | | | |
| Health care personnel must be allowed to smoke during working hours | | ,954 | | | | |
| Smoking should not be allowed in any profession during working hours | | -,469 | | | | |
| Society should support everyone who quits smoking | | | ,874 | | | |
| Society should support people who quit smoking after getting sick from smoking | | | ,865 | | | |
| A person who quits smoking needs the support of health care professionals | | | ,548 | | | |
| Smoking restrictions are enforced sufficiently | | | | ,732 | | |
| It is difficult for minors to get tobacco products | | | | ,724 | | |
| Workplaces are successfully smoke-free in Finland | | | | ,602 | | |
| Smokers take non-smokers into account when smoking | | | | ,592 | | |
| The warning texts on cigarette packs are useful | | | | ,397 | | ,391 |
| Smoking is a conscious choice, it is useless to blame the tobacco industry | | | | | ,631 | |
| The main obstacle to quitting is the unwillingness to quit | | | | | ,595 | |
| Nicotine replacement products are easy to get | | | | | ,532 | |
| The main obstacle to quitting is insufficient information about the hazards of smoking | | | | | | ,729 |
| Smoking is accepted in society | | ,308 | | | | ,547 |

Extraction Method: Principal Component Analysis.

Rotation Method: Promax with Kaiser Normalization.^a

a. Rotation converged in 8 iterations.

Structure Matrix

| | Component | | | | | |
|--|-----------|-------|------|------|------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| I like smoking | -,739 | ,351 | | | | |
| I like the smell of tobacco | -,689 | | | | | |
| Smoking on balconies should be forbidden by law | ,644 | -,470 | | | | ,394 |
| Tobacco must be sold in fewer places | ,627 | -,538 | | | | ,375 |
| A non-smoker may get sick as a result of inhaling tobacco smoke | ,558 | | | | | |
| Youth smoking must be restricted | ,470 | | | | ,318 | |
| All smoking is not harmful | -,456 | | | | | |
| Teachers must be allowed to smoke during working hours | -,405 | ,924 | | | | |
| Health care personnel must be allowed to smoke during working hours | -,421 | ,922 | | | | |
| Smoking should not be allowed in any profession during working hours | ,531 | -,633 | | | | |
| Society should support everyone who quits smoking | | | ,841 | | | |
| Society should support people who quit smoking after getting sick from smoking | | | ,828 | | | |
| A person who quits smoking needs the support of health care professionals | | | ,518 | | | |
| Smoking restrictions are enforced sufficiently | | | | ,733 | | |
| It is difficult for minors to get tobacco products | | | | ,677 | | |
| Smokers take non-smokers into account when smoking | | | | ,632 | | |
| Workplaces are successfully smoke-free in Finland | | | | ,574 | | |
| Nicotine replacement products are easy to get | | | | | ,587 | -,312 |
| Smoking is a conscious choice, it is useless to blame the tobacco industry | | | | | ,576 | |
| The main obstacle to quitting is the unwillingness to quit | | | | | ,556 | |
| The main obstacle to quitting is insufficient information about the hazards of smoking | | | | | | ,690 |
| Smoking is accepted in society | | | | | | ,483 |
| The warning texts on cigarette packs are useful | | | | ,360 | | ,394 |

Extraction Method: Principal Component Analysis.

Rotation Method: Promax with Kaiser Normalization.

Scree Plot

