

Supplementary file

In this annex, detailed information is provided about each construct in the questionnaire. For each construct, the number of items included and the Cronbach's alpha are specified, indicating the scale's reliability and the content covered by each construct is described.

Additionally, the factor loadings and maximum scores are presented for each construct. The factor loadings indicate the strength of the relationship between each item and its corresponding construct. The maximum score represents the highest possible score that participants can achieve, reflecting the range of responses they can provide.

Measurement and Reliability Assessment of TPB constructs

	No of items	Score (Min.-Max.)	Cronbach's alpha
Behavioural Intentions	3	3-12	0.731
Attitude	7	7-27	0.695
Subjective Norms	9	9-33	0.795
Perceived Behavioural Control	2	2-8	0.566
Awareness and Knowledge	16	0-16	0.570

1. Intentions

	No of items	Cronbach's alpha
Behavioural Intentions	3	0.731

Behavioural Intentions	Max. score	Loading
During the next 12 months, do you think you will use any form of tobacco?	4	0.692
In the past 30 days, have you tried to quit smoking?	4	0.869
Do you want to stop smoking now?	4	0.868

2. Attitude

	No of items	Cronbach's alpha
Attitude about enjoyment and attraction	3	0.527
Attitude about quitting difficulty	4	0.935
Overall	7	0.695

	Max. score	Loading
Enjoy- attraction		
Do you agree or disagree with the statement: "I think I might enjoy smoking a cigarette	5	0.749
Do you think smoking tobacco makes people feel more or less comfortable at parties and social events?	3	0.713
Do you think smoking tobacco makes young people look more or less attractive	3	0.697
	11	
Quitting		
Once someone starts smoking , do you believe it will be difficult for them to stop	4	0.890
Once someone starts smoking shisha , do you believe it will be difficult for them to stop smoking it?	4	0.941
Once someone starts using electronic cigarettes , do you believe it will be difficult for them to stop using them?	4	0.927
Once someone starts using non-smoked tobacco , do you believe it will be difficult for them to stop	4	0.900
	16	

3. Subjective Norms

	No of items	Cronbach's alpha
Family-peers effect	2	0.343
Best friend offers	4	0.843
Social offers	3	0.730
Overall	9	0.795

	Max. score	Loading
Family-peers effect		
Do any of your best friend's smoke cigarettes	4	0.778
Do your parents or guardians smoke cigarettes?	4	0.776
Best friend offers		
If one of your close friends gave you a tobacco product, would you use it?	4	0.806
If a close friend offered you to smoke shisha, would you do it?	4	0.814
If a close friend offered you electronic cigarettes, would you use them?	4	0.805
If a close friend offered you non-smoked tobacco, would you use it?	4	0.733
Retailer salesmen effect		
In the past 30 days, has anyone refused to sell you cigarettes because of your age	3	0.816
Has anyone refused to offer you shisha because of your age?	3	0.792
Has anyone refused to sell e-cigarettes due to age?	3	0.740

4. Perceived Behavioural Control

	No of items	Cronbach's alpha
Perceived Behavioural Control	2	0.566

	Max. score	Loading
Perceived Behavioural Control		
Do you ever smoke tobacco or feel like smoking tobacco first thing in the morning?	4	0.616
Do you think you can quit smoking if you want?	4	0.874

5. Awareness and Knowledge

	No of items	Cronbach's alpha
Knowledge about health hazards of smoking	4	0.659
Awareness of messages that are against using tobacco	5	0.570
Awareness of advertisements or promotions for tobacco	7	0.500

	Loading
Knowledge about health hazards of smoking	
Do you think that exposure to smoke from others smoking is harmful to your health?	0.785
Do you think that exposure to shisha (hookah) smoke is harmful to your health?	0.798
Are you in favor of <u>banning</u> smoking inside enclosed public places (Such as shops, restaurants, shopping malls, cinemas, theaters, cafes, rest houses - government buildings)?	0.674
Are you in Favor of banning smoking at outdoor public places (such as parks, building entrances, resorts, beaches)?	0.610
Awareness of messages that are against using tobacco	
During the past 30 days, did you see or hear any anti-tobacco media messages on television, radio, internet, social media, billboards, posters, newspapers, magazines, or movies?	0.602
During the past 30 days, did you see or hear any anti-tobacco messages at sports events, fairs, concerts, community events, or social gatherings?	0.612
During the past 30 days, did you see any health warnings on cigarette packages?	0.797
During the past 30 days, did you see any health warnings on shisha tobacco packages?	0.780
During the past 12 months, were you taught in any of your classes about the dangers of tobacco use?	0.616
Awareness of advertisements or promotions for tobacco	
During the past 30 days, did you see any people using tobacco when you watched TV, videos, or movies?	0.782
During the past 30 days, did you see any advertisements or promotions for tobacco products at points of sale (such as Stores, shops, websites)?	0.735
Would you ever use or wear something that has a tobacco company or tobacco product name or picture on it such as a lighter, t-shirt, hat, or sunglasses?	0.635
Do you have something (for example, t-shirt, pen, backpack) with a tobacco product brand logo on it?	0.646

Has a person working for a tobacco company ever offered you a free tobacco product?	0.828
Has a person working for a tobacco company ever offered you a free e-cigarette product?	0.836
Has a person working for a tobacco company ever offered you a free heated tobacco product?	0.793

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