

Appendix 5.

Item Analysis of published ABCD Risk Questionnaire sub-scales plus 5 unpublished items relating to smoking compared to Item Analysis of recommended edited ABCD Risk Questionnaire sub-scales plus 5 unpublished items relating to smoking.

Table 1. Item Analysis of published ABCD Risk Questionnaire sub-scales plus 5 unpublished items relating to smoking

Perceived Risk of Heart Attack/ Stroke 8 Items Cronbach's Alpha .861 (0.84,0.88) 95% CI	Inter-item correlation	Corrected Item- total correlation	Cronbach's alpha if item deleted
It is likely that I will suffer from a heart attack or stroke in the future	.832	.756	.826
It is likely that I will have a heart attack or stroke some time during my life	.869	.777	.824
I feel I will suffer a heart attack or stroke some time during my life	.616	.784	.824
There is a good chance I will experience a heart attack or stroke in the next 10 years	.729	.722	.832
I am not worried that I might have a heart attack or stroke	.403	.624	.843
My chances of suffering a heart attack or stroke in the next 10 years are great	.245	.544	.852
It is likely that I will have a heart attack or stroke because of my past/present behaviours	.266	.319	.876
I am concerned about the likelihood of having a heart attack or stroke in the near future	.259	.387	.870
Perceived Benefits and Intentions to Change 7 items Cronbach's Alpha .801	Inter-item correlation	Corrected Item- total correlation	Cronbach's alpha if item deleted
I am thinking about exercising at least 2.5 hours a week	.727	.605	.760
I intend or want to exercise at least 2.5 hours a week	.442	.651	.752
When I exercise for at least 2.5 hours a week I am doing something good for the health of my heart	.426	.593	.769
I am confident that I can maintain a healthy weight by exercising at	.294	.452	.790

least 2.5 hours a week within the next 2 months			
I am not thinking about exercising at least 2.5 hours a week	.264	.508	.781
When I eat at least 5 portions of fruit and vegetables a day I am doing something good for the health of my heart	.483	.483	.783
Increasing my exercise to at least 2.5 hours a week will decrease my chances of having a heart attack or stroke	.326	.474	.786
Healthy Eating Intentions 3 items Cronbach's Alpha .787 (95% CI	Inter-item correlation	Corrected Item-total correlation	Cronbach's alpha if item deleted
I am confident that I can eat at least 5 portions of fruit and vegetables a day within the next 2 months	.555	.533	.812
I am thinking about eating at least 5 portions of fruit and vegetables a day	.683	.732	.596
I am not thinking about eating at least 5 portions of fruit and vegetables a day	.424	.624	.713
Perceived Benefits and Intentions to Stop Smoking 5 Items Cronbach's Alpha .943 95% CI	Inter-item correlation	Corrected item-total correlation	Cronbach's alpha if item deleted
I am thinking of stopping smoking within the next 2 months	.654	.848	.932
I have reduced or stopped smoking	.694	.751	.949
I intend or want to stop smoking	.829	.906	.919
If I stop smoking it will reduce my chances of having a heart attack or stroke	.834	.886	.922
I am not thinking about stopping smoking	.789	.872	.925

Table 2. Item Analysis of edited ABCD Risk Questionnaire sub-scales plus 5 unpublished items relating to smoking.

Perceived Risk of Heart Attack/ Stroke 5 Items Cronbach's Alpha .86 (0.84,0.88) 95% CI Omega 0.85 (0.83, 0.88) 95% CI	Inter-item correlation	Corrected Item- total correlation	Cronbach's alpha if item deleted
It is likely that I will have a heart attack or stroke some time during my life	.869	.777	.824
There is a good chance I will experience a heart attack or stroke in the next 10 years	.729	.722	.832
I am not worried that I might have a heart attack or stroke	.403	.624	.843
It is likely that I will have a heart attack or stroke because of my past/present behaviours	.266	.319	.876
I am concerned about the likelihood of having a heart attack or stroke in the near future	.259	.387	.870
Perceived Benefits and Intentions to Change 6 items Cronbach's Alpha .84 (.81-.86) 95% CI Omega 0.82 (0.78, 0.85) 95% CI	Inter-item correlation	Corrected Item- total correlation	Cronbach's alpha if item deleted
I am thinking about exercising at least 2.5 hours a week	.727	.605	.760
I intend or want to exercise at least 2.5 hours a week	.442	.651	.752
When I exercise for at least 2.5 hours a week I am doing something good for the health of my heart	.426	.593	.769
I am confident that I can maintain a healthy weight by exercising at least 2.5 hours a week within the next 2 months	.294	.452	.790
I am not thinking about exercising at least 2.5 hours a week	.264	.508	.781
Increasing my exercise to at least 2.5 hours a week will decrease my chances of having a heart attack or stroke	.326	.474	.786
Healthy Eating Intentions 4 items	Inter-item correlation	Corrected Item- total correlation	Cronbach's alpha if item deleted

Cronbach's Alpha .84 (.81-.86) 95% CI Omega 0.84 (0.81, 0.88) 95% CI			
I am confident that I can eat at least 5 portions of fruit and vegetables a day within the next 2 months	.555	.533	.812
I am thinking about eating at least 5 portions of fruit and vegetables a day	.683	.732	.596
I am not thinking about eating at least 5 portions of fruit and vegetables a day	.424	.624	.713
When I eat at least 5 portions of fruit and vegetables a day I am doing something good for the health of my heart	.483	.483	.783
Smoking Intentions 5 items Cronbach's Alpha .85 (.83-.87) 95% CI Omega 0.84 (0.81, 0.91) 95% CI	Inter-item correlation	Corrected Item-total correlation	Cronbach's alpha if item deleted
I am thinking of stopping smoking within the next 2 months	.654	.848	.932
I have reduced or stopped smoking	.694	.751	.949
I intend or want to stop smoking	.829	.906	.919
If I stop smoking it will reduce my chances of having a heart attack or stroke	.834	.886	.922
I am not thinking about stopping smoking	.789	.872	.925