

Knowledge, Attitudes, Behaviors and Organization in health professions students (KABO_S) Questionnaire

Description

The Knowledge, Attitudes, Behaviors and Organization in health professions Students questionnaire (KABO_S) is a self-administered questionnaire specifically designed to assess factors that influence the implementation of smoking cessation interventions in the health professions student population.

The KABO_S questionnaire is an adaptation of the KABO questionnaire, an instrument validated in health professionals (Andres et al., 2019). Like the original tool, the KABO_S includes the dimensions developed by Sheffer, Barone and Anders (2009) to measure cognitive and social factors such as motivation, smoking cessation knowledge, self-efficacy, beliefs about the importance of implementing smoking cessation interventions, effectiveness of interventions, importance of barriers and preparedness. In addition, it includes new questions designed to explore organizational-level characteristics previously identified in the literature (Freund et al., 2009; Leitlein et al., 2012; Sarna et al., 2009).

The instrument has been adapted by experts in smoking cessation, as well as by experts in psychometrics. The instrument has been translated into English and validated in a population of health professions students from a UK university, showing good psychometric properties.

Description of the instrument and scoring guidelines

The KABO_S questionnaire consists of a total of 17 items that are scored on a Likert scale from 0 to 10 points (0 = None/ Totally Disagree; 10 = High/ Totally agree) and are grouped into a total of four subscales, as indicated below:

Subscales	Number of items	Items	Scoring range
1. Individual knowledge and skills (IKS)	6	1 - 6	0 - 60
2. Individual attitudes and beliefs (IAB)	4	7 - 10	0 - 40
3. Organizational support (OS)	3	11 - 13	0 - 30
4. Organizational resources (OR)	4	14 - 17	0 - 40

The score for each subscale is obtained from the sum of the corresponding items. A higher score in the questionnaire indicates a higher level in each of the constructs measured. It should be noted that some of the items score inversely in the questionnaire (i.e., items 14 to 17). Consequently, the score obtained in these items must be recoded inversely before calculating the totals of the subscales, according to the following equivalence of scores:

Direct scoring of the questionnaire	0	1	2	3	4	5	6	7	8	9	10
Recoded score (reverse items)	10	9	8	7	6	5	4	3	2	1	0

In addition to obtaining a score for each subscale, it is possible to obtain a total score of the questionnaire given the unidimensional of the tool, as reflected in the published psychometric analysis (Pueyo-Garrigues et al. (in press)). The total score is estimated by summing the scores of each subscale, with a range of total scale scores from 0 to 170.

The authors of this work request those who wish to use the KABO_S questionnaire to cite it correctly:

For any question, please contact to Unidad de Control de Tabaquismo del ICO: cmartinez@iconcologia.net

KABO_S Questionnaire

Please rate each item, being:
0 = None
10 = High

Instructions: Below you will find a series of items related to “Knowledge, Attitudes, Behaviours and Organisational Elements” that influence smoking cessation assistance. Please read them carefully and rate each one as directed. Make sure you give an answer to every point.

1. Level of knowledge in the management of different interventions to help quit smoking

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Level of preparation to offer help with quitting smoking

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Preparation level to recommend medication to quit smoking (nicotine substitutes, bupropion, varenicline)

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. Level of awareness of clinical practice guidelines for quitting smoking (e.g. NICE, etc.)

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. Level of confidence to recommend the use of extra resources as support during the smoking cessation process, such as: “quitlines”, help systems over the phone or online

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6. Level of knowledge and skills on how to help people quit smoking

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. Motivation level to help people quit smoking

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. Level of ease of overcoming the difficulties that may occur to me, as a student, to help people quit smoking

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. The level of confidence you have in your ability to help people quit smoking

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10. Level of confidence you feel when addressing aspects of people’s motivation to quit smoking

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

KABO_S Questionnaire

Please rate each item, being:
0 = None
10 = High

In the practice placement where I have been a student throughout the course so far...

11. Interventions to help quit smoking have been activities required by my practice area (tutors, supervisors, managers...)

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. I’ve had support to provide help quitting smoking

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

13. I have received a positive assessment from my practice area (tutors, supervisors, managers...) when I have made interventions to help quit smoking

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

14. Helping to quit smoking wasn't a targeted pathway

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

15. Drug resources needed to help quit smoking were lacking

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

16. Resources and self-help materials needed to promote smoking cessation were lacking

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

17. Records for proper monitoring/control of smoking cessation interventions were lacking

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>