

Supplementary file 3. The curricular coverage of learning topics for tobacco cessation training among subgroups of the perceived importance of tobacco cessation training in responding pharmacy schools in Japan

Topics	Model Core Curriculum	total n=52 %	'Should pharmacy education introduce tobacco cessation training?'			P value for difference
			Yes n=27 %	No n=6 %	Not sure n=19 %	
Basic knowledge of tobacco cessation education						
1 Population-based trends of tobacco use in Japan	Related	56	70	17	47	0.04
2 Health-related problems of tobacco use	Related ¹⁾	60	78	17	47	0.01
3 Health-related problems of secondhand smoke	Related	56	74	17	42	0.01
4 Forms of tobacco used in Japan	None	14	19	0	11	0.61
5 Pharmacologic effects of nicotine	listed	65	74	67	53	0.38
6 Principles of nicotine addiction	listed ²⁾	52	56	50	47	0.92
7 Aids for cessation (dosing, side effects, etc)	listed	46	63	17	32	0.04
8 Drug interactions associated with smoking	listed	44	67	50	11	<0.001
9 Withdrawal effects and health benefits of tobacco cessation	None	39	52	33	21	0.11
Practical skills for tobacco cessation education						
1 The 5 A's	None	15	30	0	0	0.01
2 The 5 R's	None	15	30	0	0	0.01
3 The brief intervention model (ask, advise, and refer)	None	10	19	0	0	0.10
4 Tobacco user's readiness to quit smoking	None	14	22	0	5	0.24
5 Cognitive and behavioural strategies for quitting	None	10	15	0	5	0.54
6 Motivation Interview for quitting	None	10	15	0	5	0.54
7 Counsel patients on proper use of the aids for cessation	Related ³⁾	19	37	0	0	0.002
8 The daily costs of the aids for cessation compared to cigarette smoking	None	15	26	0	5	0.11
9 Tailored strategies to assist patients with quitting and following-up based on role-playing scenarios	None	10	15	0	5	0.37
10 Health effects of new tobacco products including heated tobacco products	Related ⁴⁾	14	19	0	11	0.54

P values are based on between-group differences. Categorical data were examined by Chi-square analysis. Curriculum coverages on tobacco cessation training were examined by one-way ANOVA.

Model Core Curriculum category (Number: title)

- 1) D-(2)-3: Lifestyle Related Diseases and Their Prevention
- 2) E2-(4): Drugs Used for the Treatment of Respiratory and Digestive Tract Disorders
- 3) E2-(9): Over-the-Counter and Behind-the-Counter Drugs and Self-Medication
F2-(4): Professional Attitudes and Behaviours of Practice, Patient Education, and Counselling
F-(5)-3: Role of Pharmacists in Primary Care and Self-Medication
- 4) F-(5)-2: Advancing Pharmacy Health Literacy in the Community