

# Survey Questionnaire on the Awareness and Use of E-cigarettes

Dear Students,

Hello! Thank you for participating in our survey on the awareness and use of e-cigarettes. We will not record your name and the data you provided are only used for research. Please answer the questionnaire with your true situation and true thoughts, thanks for your cooperation!

## I. Basic Information

1. Your age: \_\_\_\_\_ years old
2. your gender:  
①Male ②Female
3. Your Specialty:  
①Engineering②Science③Liberal art④Medical⑤Other: \_\_\_\_\_
4. Smoking experience:①No ②Yes
5. If you choose “Yes” in question 4:  
Years of smoking: \_\_\_\_\_ Years, smoking frequency: \_\_\_\_\_ cigarettes/a day

## II. Awareness of e-cigarettes

6. Have you ever heard of e-cigarettes?  
①No ②Yes
7. Where have you heard of e-cigarettes? (Multiple Choice)  
①Parents, friends and classmates  
②Newspapers, magazines and television advertisements  
③Websites and forums  
④Micro-blog and Wechat  
⑤Stores and supermarkets  
⑥Pharmacies  
⑦Other channels: \_\_\_\_\_

## III. Perception of e-cigarettes

8. What kind of products are e-cigarettes? (Multiple Choice )  
①Smoking cessation products  
②Environmentally friendly alternatives to traditional cigarettes  
③Electronic products
9. Can e-cigarettes help for quitting smoking?  
①Completely effective  
②Helping relieve abstinence symptoms  
③Helping reduce smoking  
④Completely invalid

10. What's your opinion about the health hazards of e-cigarettes when compared with traditional cigarettes?

- ① Completely healthy
- ② Less harmful
- ③ Equally
- ④ Not sure

11. What's your opinion about the addiction of e-cigarettes when compared with traditional cigarettes?

- ① Stronger than traditional cigarettes
- ② Equally
- ③ Weaker than traditional cigarettes
- ④ No addiction
- ⑤ Not sure

12. Do you think e-cigarettes could avoid harm of second-hand smoke?

- ① Yes
- ② No
- ③ Not sure

13. Do you think e-cigarettes have carcinogens?

- ① Yes
- ② No
- ③ Not sure

14. Can e-cigarettes replace traditional cigarettes?

- ① Completely
- ② Partly
- ③ No
- ④ Not sure

15. Do you think teenagers are more interested in e-cigarettes?

- ① Yes
- ② No
- ③ Not sure

#### **IV. Use of e-cigarettes**

16. Have you ever tried e-cigarettes (even once)?

- ① Yes
- ② No

17. Do you vape e-cigarettes currently?

- ① Yes
- ② No

18. Do you want to try e-cigarettes in next year?

- ① Yes
- ② No

19. Why do you want to try e-cigarettes and why do you use e-cigarettes? (Multiple Choice)

- ① Less harmful than traditional cigarettes
- ② Avoiding second-hand smoke
- ③ Smoking cessation help
- ④ Diverse flavors
- ⑤ Similar using feeling to traditional cigarettes
- ⑥ Fashionable
- ⑦ Can be used in smoke-free places

20. Change of traditional cigarettes use after e-cigarettes use:

- ① More traditional cigarettes use
- ② Less traditional cigarettes use
- ③ No change
- ④ Smoking cessation
- ⑤ Non-smoker

21. Adverse effects of e-cigarettes (Multiple Choice)

- ① No adverse reactions
- ② Throat irritation cough
- ③ Thirsty
- ④ Nausea
- ⑤ Headache
- ⑥ Chest stuffiness
- ⑦ Others: \_\_\_\_\_

22. Use of e-cigarettes in social circle:

- ① Yes
- ② No
- ③ Not Sure

23. Will you recommend e-cigarettes to other people?

- ① Yes
- ② No

## Channels of e-cigarettes awareness

Table S1 The perception of e-cigarettes and smoking cessation

	Completely effective		Helping relieve abstinence symptoms		Helping reduce smoking		Completely invalid		P value
	case	%	case	%	case	%	case	%	
	<b>All</b>	18	2.1	193	22.2	493	56.7	165	
<b>Gender</b>									0.002
Male	8	1.9	73	17.7	261	63.3	70	17.0	
Female	10	2.2	120	26.3	232	50.8	95	20.8	
<b>Grades</b>									<0.001
Junior & senior graduate	15	2.4	119	18.8	388	61.3	111	17.5	
	3	1.3	74	31.4	105	44.5	54	22.9	
<b>Use of traditional cigarettes</b>									0.023
Yes	0	0.0	10	17.9	27	48.2	19	33.9	
No	18	2.2	183	22.5	466	57.3	146	18.0	
<b>Specialty</b>									<0.001
Medical	2	0.5	118	30.6	185	47.9	81	21.0	
Non-medical	16	3.3	75	15.5	308	63.8	84	17.4	

Table S2 Health hazards of e-cigarettes compared with traditional cigarettes

	Completely healthy		Less harmful		Equally		Not sure		P value
	case	%	case	%	case	%	case	%	
	<b>All</b>	74	8.5	604	69.5	70	8.1	121	
<b>Gender</b>									0.004
Male	42	10.2	300	72.8	28	6.8	42	10.2	
Female	32	7.0	304	66.5	42	9.2	79	17.3	
<b>Grades</b>									0.001
Junior & senior graduate	61	9.6	454	71.7	44	7.0	74	11.7	
	13	5.5	150	63.6	26	11.0	47	19.9	
<b>Use of traditional cigarettes</b>									0.117
Yes	8	14.3	37	66.1	7	12.5	4	7.1	
No	66	8.1	567	69.7	63	7.7	117	14.4	
<b>Specialty</b>									<0.001
Medical	18	4.7	256	66.3	38	9.8	74	19.2	
Non-medical	56	11.6	348	72.0	32	6.6	47	9.7	

Table S3 Can e-cigarettes avoid harm of second-hand smoke

	Yes		No		Not sure		P value
	case	%	case	%	case	%	
<b>All</b>	302	34.8	314	36.1	253	29.1	-
<b>Gender</b>							<0.001
Male	151	36.7	169	41.0	92	22.3	
Female	151	33.0	145	31.7	161	35.2	
<b>Grades</b>							<0.001
Junior & senior	219	34.6	263	41.5	151	23.9	
graduate	83	35.2	51	21.6	102	43.2	
<b>Use of traditional cigarettes</b>							0.808
Yes	21	37.5	18	32.1	17	30.4	
No	281	34.6	296	36.4	236	29.0	
<b>Specialty</b>							<0.001
Medical	134	34.7	102	26.4	150	38.9	
Non-medical	168	34.8	212	43.9	103	21.3	

Table S4 Do e-cigarettes have carcinogens

	Yes		No		Not sure		P value
	case	%	case	%	case	%	
<b>All</b>	188	21.6	301	34.6	380	43.7	-
<b>Gender</b>							<0.001
Male	74	18.0	178	43.2	160	38.8	
Female	114	24.9	123	26.9	220	48.1	
<b>Grades</b>							<0.001
Junior & senior	126	19.9	264	41.7	243	38.4	
graduate	62	26.3	37	15.7	137	58.1	
<b>Use of traditional cigarettes</b>							0.782
Yes	11	19.6	18	32.1	27	48.2	
No	177	21.8	283	34.8	353	43.4	
<b>Specialty</b>							<0.001
Medical	123	31.9	70	18.1	193	50.0	
Non-medical	65	13.5	231	47.8	187	38.7	