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:
   ① Male ② Female
3. Your Specialty:
   ① Engineering ② Science ③ Liberal art ④ Medical ⑤ Other: _____
4. Smoking experience:
   ① No ② Yes
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?
   ① No ② Yes
7. Where have you heard of e-cigarettes? (Multiple Choice)
   ① Parents, friends and classmates
   ② Newspapers, magazines and television advertisements
   ③ Websites and forums
   ④ Micro-blog and Wechat
   ⑤ Stores and supermarkets
   ⑥ Pharmacies
   ⑦ Other channels: __________

III. Perception of e-cigarettes
8. What kind of products are e-cigarettes? (Multiple Choice)
   ① Smoking cessation products
   ② Environmentally friendly alternatives to traditional cigarettes
   ③ Electronic products
9. Can e-cigarettes help for quitting smoking?
   ① Completely effective
   ② Helping relieve abstinence symptoms
   ③ Helping reduce smoking
   ④ Completely 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 abstinence symptoms | Completely invalid | P value |
|----------------------|------------------------------------|------------------------------------------|-------------------|
| case %               | case %                             | case %                                   | case %            |
| All                  | 18 2.1                             | 193 22.2                                 | 493 56.7          | 165 19.0 |
| Gender               |                                   |                                          |                   | 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 |
| Grades               |                                   |                                          |                   | <0.001  |
| Junior & senior      | 15 2.4                             | 119 18.8                                 | 388 61.3          | 111 17.5 |
| graduate             | 3 1.3                              | 74 31.4                                  | 105 44.5          | 54 22.9 |
| Use of traditional cigarettes |                   |                                          |                   | 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 |
| Specialty            |                                   |                                          |                   | <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 %   |         |
| All               | 74 8.5       | 604 69.5| 70 8.1   | 121 13.9|         |
| Gender            |              |         |          | 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 |
| Grades            |              |          |          | 0.001   |
| Junior & senior   | 61 9.6       | 454 71.7| 44 7.0   | 74 11.7 |
| graduate          | 13 5.5       | 150 63.6| 26 11.0  | 47 19.9 |
| Use of traditional cigarettes |      |          |          | 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|
| Specialty         |              |          |          | <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 case | Yes % | No case | No % | Not sure case | Not sure % | P value |
|----------|----------|-------|---------|------|---------------|------------|---------|
| All      | 302      | 34.8  | 314     | 36.1 | 253           | 29.1       |         |
| Gender   |          |       |         |      |               |            | <0.001  |
| Male     | 151      | 36.7  | 169     | 41.0 | 92            | 22.3       |         |
| Female   | 151      | 33.0  | 145     | 31.7 | 161           | 35.2       |         |
| Grades   |          |       |         |      |               |            | <0.001  |
| Junior & senior | 219 | 34.6  | 263     | 41.5 | 151           | 23.9       |         |
| graduate | 83       | 35.2  | 51      | 21.6 | 102           | 43.2       |         |
| Use of traditional cigarettes |          |       |         |      |               |            | 0.808   |
| Yes      | 21       | 37.5  | 18      | 32.1 | 17            | 30.4       |         |
| No       | 281      | 34.6  | 296     | 36.4 | 236           | 29.0       |         |
| Specialty |          |       |         |      |               |            | <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 case | Yes % | No case | No % | Not sure case | Not sure % | P value |
|----------|----------|-------|---------|------|---------------|------------|---------|
| All      | 188      | 21.6  | 301     | 34.6 | 380           | 43.7       |         |
| Gender   |          |       |         |      |               |            | <0.001  |
| Male     | 74       | 18.0  | 178     | 43.2 | 160           | 38.8       |         |
| Female   | 114      | 24.9  | 123     | 26.9 | 220           | 48.1       |         |
| Grades   |          |       |         |      |               |            | <0.001  |
| Junior & senior | 126 | 19.9  | 264     | 41.7 | 243           | 38.4       |         |
| graduate | 62       | 26.3  | 37      | 15.7 | 137           | 58.1       |         |
| Use of traditional cigarettes |          |       |         |      |               |            | 0.782   |
| Yes      | 11       | 19.6  | 18      | 32.1 | 27            | 48.2       |         |
| No       | 177      | 21.8  | 283     | 34.8 | 353           | 43.4       |         |
| Specialty |          |       |         |      |               |            | <0.001  |
| Medical  | 123      | 31.9  | 70      | 18.1 | 193           | 50.0       |         |
| Non-medical | 65  | 13.5  | 231     | 47.8 | 187           | 38.7       |         |

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