Appendix A: Survey of patients (Qualtrics, iPad)

Q1 Where do you live?
- Metropolitan Sydney
- Central Coast and surrounds
- Rural NSW
- Remote NSW
- Other ____________________

Q2 What is your age?
- 18-24
- 25-44
- 40-54
- 55-64
- 65-84
- 85+

Q3 What is your gender?
- Male
- Female

Q4 What is the highest educational qualification you have obtained?
- Less than Year 12
- Year 12
- Certificate
- Diploma
- Bachelor’s degree
- Postgraduate qualification
- Doctorate

Q5 What is your ethnicity?
- Aboriginal or Torres Strait Islander
- European
- Asian
- Middle East
- African
- Other ____________________

Q6 At what age did you start smoking?
- < 18 years
- 18-35 years
- 35 years and over

Q7 Do you currently smoke?
- Every day
- Some days
- Not at all
Q8 When did you smoke your last cigarette?
- Today
- Yesterday
- Less than 2 weeks ago
- Less than 4 weeks ago
- More than 4 weeks but less than 8 weeks ago
- Within the last year

Q9 The following 6 questions (questions 9-14) will ask about your current smoking habits:
How soon after waking do you smoke your first cigarette?
- Within 5 minutes
- 5-30 minutes
- 31-60 minutes

Q10 Do you find it difficult to refrain from smoking in places where it is forbidden? E.g. Church, Library, Hospital
- Yes
- No

Q11 Which cigarette would you hate to give up?
- The first in the morning
- Any other

Q12 How many cigarettes a day do you smoke?
- 10 or less
- 11-20
- 21-30
- 31 or more

Q13 Do you smoke most frequently in the morning?
- Yes
- No

Q14 Do you smoke even if you are sick in bed most of the day?
- Yes
- No

Q15 Have you tried to quit smoking in the last year?
- Yes
- No

Q16 If you have made a quit attempt, what is the longest time you have quit for?
- Never
- < 1 month
- 1-6 months
- >6 months
- Don't know
Q17 If you have made a quit attempt how did you do it? Tick all that apply.
☒ 'Cold Turkey'
☒ Spoke to GP / health professional for advice
☒ Nicotine replacement therapy
☒ Individual counselling/therapy
☒ Quitline
☒ Other ____________________

Q18 Are you planning to stay off smoking after surgery?
☒ Yes
☒ No

Q19 What is the likelihood of staying off tobacco cigarettes after hospital?
☒ Very likely
☒ Likely
☒ Undecided
☒ Unlikely
☒ Very Unlikely

Q20 Do you agree with following statements

<table>
<thead>
<tr>
<th>Statement</th>
<th>Disagree</th>
<th>Neither Agree nor Disagree</th>
<th>Agree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smoking causes problems with healing after surgery in smokers</td>
<td>☒</td>
<td>☒</td>
<td>☒</td>
</tr>
<tr>
<td>Smoking causes lung problems after surgery in smokers</td>
<td>☒</td>
<td>☒</td>
<td>☒</td>
</tr>
<tr>
<td>Smoking causes heart problems after surgery in smokers</td>
<td>☒</td>
<td>☒</td>
<td>☒</td>
</tr>
<tr>
<td>Quitting smoking will reduce chances of having problems after surgery</td>
<td>☒</td>
<td>☒</td>
<td>☒</td>
</tr>
</tbody>
</table>
Q21 Electronic cigarettes (e-cigarettes) are electronic devices that deliver nicotine in a vapour and look like cigarettes but contain no tobacco. Have you ever heard of or seen an e-cigarette?

- Yes
- No

Q22 If you have heard about them or seen them, where did this occur? Tick all that apply?

- In-person conversation
- Internet
- When travelling overseas
- TV or radio
- Newspapers or magazines
- Information shared on social media
- Other ____________________

Q23 Have you ever tried an e-cigarette?

- Yes
- No

Q24 If you have tried an e-cigarette, why?

- Curiosity
- To try to quit tobacco cigarettes
- Easy to use when I can't smoke
- Safer than tobacco cigarettes
- Cheaper than cigarettes
- Other ____________________

Q25 How likely are you to try e-cigarettes in the future?

- Strongly Disagree
- Disagree
- Neither Agree nor Disagree
- Agree
- Strongly Agree

Q26 I would be willing to try e-cigarettes to help me stay off or cut down regular tobacco cigarettes around the time of surgery

- Strongly Disagree
- Disagree
- Neither Agree nor Disagree
- Agree
- Strongly Agree
Q27 I think that e-cigarettes could help me stay off or cut down regular tobacco cigarette use around the time of surgery
- Strongly Agree
- Agree
- Neither Agree nor Disagree
- Disagree
- Strongly Disagree

Q28 If they were available free of charge, I would try to use them to help stay off or cut down regular tobacco cigarette use around the time of surgery
- Strongly Agree
- Agree
- Neither Agree nor Disagree
- Disagree
- Strongly Disagree

Q29 Even if I needed to buy them myself, it would be worth to try e-cigarettes to stay off or cut down regular tobacco cigarettes around the time of surgery
- Strongly Disagree
- Disagree
- Neither Agree nor Disagree
- Agree
- Strongly Agree

Q30 Using e-cigarettes instead of smoking regular tobacco cigarettes could help me do better after my surgery
- Strongly Agree
- Agree
- Neither Agree nor Disagree
- Disagree
- Strongly Disagree

Q31 E-cigarettes could help me cope with not being able to smoke regular tobacco cigarettes whilst in hospital for my surgery
- Strongly agree
- Agree
- Neither Agree nor Disagree
- Disagree
- Strongly Disagree
Q32 It would be better for my health if I could use e-cigarettes around the time of surgery rather than smoking regular tobacco cigarettes
- Strongly agree
- Agree
- Neither Agree nor Disagree
- Disagree
- Strongly Disagree

Q33 Using e-cigarettes could help me improve my health around the time of surgery
- Strongly agree
- Agree
- Neither Agree nor Disagree
- Disagree
- Strongly Disagree

Q34 It would be hard for me to learn how to use e-cigarettes around the time of my surgery
- Strongly Agree
- Agree
- Neither Agree nor Disagree
- Disagree
- Strongly Disagree

Q35 I have too many other things to worry about other than to try e-cigarettes around the time of surgery
- Strongly Agree
- Agree
- Neither Agree nor Disagree
- Disagree
- Strongly Disagree

Q36 E-cigarettes would be too expensive for me to use
- Strongly agree
- Agree
- Neither Agree nor Disagree
- Disagree
- Strongly Disagree

Q37 I am concerned that e-cigarettes are not safe
- Strongly agree
- Agree
- Neither Agree nor Disagree
- Disagree
- Strongly Disagree
Q38 Do you think e-cigarettes or any electronic nicotine delivery systems are allowed to be sold in Australia?
- Yes
- No

Q39 Would you try e-cigarettes if they were recommended to you by a health professional, such as your GP or cardiothoracic surgeon, in order to reduce your tobacco smoking now or in the future?
- Yes
- No
### Appendix B: Interest in, perceived benefits of, and barriers to e-cigarette use (N=62)

<table>
<thead>
<tr>
<th>Interest</th>
<th>SA</th>
<th>A</th>
<th>NAND</th>
<th>D</th>
<th>SD</th>
</tr>
</thead>
<tbody>
<tr>
<td>I would be willing to try e-cigarettes to help me stay off or cut down</td>
<td>1</td>
<td>21</td>
<td>7</td>
<td>18</td>
<td>15</td>
</tr>
<tr>
<td>regular tobacco cigarettes around the time of surgery</td>
<td>(1%)</td>
<td>(34%)</td>
<td>(11%)</td>
<td>(29%)</td>
<td>(24%)</td>
</tr>
<tr>
<td>If e-cigarettes were available free of charge, I would try to use them</td>
<td>6</td>
<td>18</td>
<td>5</td>
<td>28</td>
<td>5</td>
</tr>
<tr>
<td>to help stay off or cut down regular tobacco cigarette use around the</td>
<td>(10%)</td>
<td>(29%)</td>
<td>(8%)</td>
<td>(45%)</td>
<td>(8%)</td>
</tr>
<tr>
<td>time of surgery</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Even if I needed to buy them myself, it would be worth to try e-</td>
<td>0</td>
<td>17</td>
<td>7</td>
<td>28</td>
<td>10</td>
</tr>
<tr>
<td>cigarettes to stay off or cut down regular tobacco cigarettes around</td>
<td>(0%)</td>
<td>(27%)</td>
<td>(11%)</td>
<td>(45%)</td>
<td>(16%)</td>
</tr>
<tr>
<td>the time of surgery</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I think that e-cigarettes could help me stay off or cut down regular</td>
<td>4</td>
<td>16</td>
<td>13</td>
<td>21</td>
<td>8</td>
</tr>
<tr>
<td>tobacco cigarette use around the time of surgery</td>
<td>(6%)</td>
<td>(26%)</td>
<td>(21%)</td>
<td>(34%)</td>
<td>(13%)</td>
</tr>
</tbody>
</table>

### Perceived benefits

| E-cigarettes could help me cope with not being able to smoke regular     | 3    | 16   | 8    | 29   | 5    |
| tobacco cigarettes whilst in hospital for my surgery                     | (5%) | (26%)| (13%)| (47%)| (8%) |
| Using e-cigarettes instead of smoking regular tobacco cigarettes could   | 4    | 19   | 13   | 21   | 8    |
| help me do better after my surgery                                       | (6%) | (31%)| (21%)| (34%)| (13%)|
| It would be better for my health if I could use e-cigarettes around the   | 3    | 14   | 12   | 27   | 6    |
| time of surgery rather than smoking regular tobacco cigarettes          | (5%) | (23%)| (19%)| (44%)| (10%)|
| Using e-cigarettes could help me improve my health around the time of    | 3    | 14   | 12   | 27   | 6    |
| surgery                                                                  | (5%) | (23%)| (19%)| (44%)| (10%)|

### Perceived barriers

| It would be hard for me to learn how to use e-cigarettes around the time  | 0    | 10   | 15   | 32   | 5    |
| of my surgery                                                            | (0%) | (16%)| (24%)| (52%)| (8%) |
| I have too many other things to worry about other than to try e-cigarettes| 3    | 36   | 11   | 10   | 2    |
| around the time of surgery                                               | (5%) | (58%)| (18%)| (16%)| (3%) |
| E-cigarettes would be too expensive for me to use                         | 2    | 14   | 29   | 17   | 0    |
|                                                                           | (3%) | (23%)| (47%)| (27%)| (0%) |
| I am concerned that e-cigarettes are not safe                            | 8    | 26   | 13   | 15   | 0    |
|                                                                           | (13%)| (42%)| (21%)| (24%)| (0%) |

Values given as n (%) for the 62 participants. SA: strongly agree; A: agree; NAND: neither agree nor disagree; D: disagree; SD: strongly disagree.

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