

Appendix 1: Part 1 survey.

Start of block: participant information
Q1.1 Welcome to the survey! This survey will explore your perception and knowledge of vaping and its oral side effects. Here is the Participant Information Sheet for more information on this survey and the study. Please click on the Consent Form if you would like to keep a copy for yourself (you are not required to return the form as this survey is anonymous).
Q1.2 Please click “agree” below if you provide consent to participate: <ul style="list-style-type: none">◦ Agree
Start of block: demographics
Q2.1 How old are you? <ul style="list-style-type: none">◦ 16–17 years old◦ 18–24 years old
Q2.2 Which ethnic group do you belong to? (Select all that apply) <ul style="list-style-type: none">▫ NZ European▫ Māori▫ Samoan▫ Cook Island Māori▫ Tongan▫ Niuean▫ Chinese▫ Indian▫ Other such as Dutch, Japanese, Tokelauan. Please state:
Q2.3 How do you describe yourself? <ul style="list-style-type: none">◦ Male◦ Female◦ Another gender◦ Prefer not to say
Start of block: vaping practice
Q3.1 The following questions will ask about your experiences with vaping. Definitions: vaping— refers to the use of an electronic device that heats a liquid, turning it into an aerosol (vapour) which the user inhales.

Appendix 1 (continued): Part 1 survey.

Vaping practice
<p>Q3.2 Have you ever vaped (even just once)?</p> <ul style="list-style-type: none">◦ Yes, I currently vape daily◦ Yes, I currently vape at least once a week◦ Yes, I currently vape but less than once a week◦ I used to vape but have quit◦ I have only tried vaping once or twice◦ I have never vaped
<p>Q3.3 Where did/do you get your vape supplies from? (Select all that apply)</p> <ul style="list-style-type: none">▫ From family members▫ From friends▫ Online from internet suppliers/stores▫ From a vape specialty store▫ From a petrol station▫ From a dairy▫ Other (please specify
<p>Q3.4 How old were you when you first start vaping?</p> <ul style="list-style-type: none">◦ <14 years old◦ 14–15 years old◦ 16–17 years old◦ >18 years old
<p>Q3.5 When you first tried vaping, what were the reasons for trying? (Select all that apply)</p> <ul style="list-style-type: none">▫ My friends or family members do it▫ Flavours are good▫ It's safer than smoking▫ Wanted to quit smoking▫ Vaping ads made me want to try it▫ It's cool▫ As a way of coping with stress▫ I wanted to know what it was like▫ Other (please specify)
Start of block: knowledge on vaping products and its health risk
<p>Q4.1 The following questions will ask about your views on vaping and its health risk. Definition: vape devices—vape devices are also known as e-cigarettes, which are battery-operated devices that people use to inhale an aerosol (vapour from vape juice). Typically, they include a battery, a refillable tank or a disposable vape juice cartridge.</p>

Appendix 1 (continued): Part 1 survey.

Knowledge on vaping products and its health risk
<p>Q4.2 Please indicate how much you agree or disagree with the following statement from 1 (strongly disagree) to 5 (strongly agree): vaping is as addictive as smoking a cigarette:</p> <ul style="list-style-type: none">◦ 1 Strongly disagree◦ 2 Disagree◦ 3 Neither agree nor disagree◦ 4 Agree◦ 5 Strongly agree
<p>Q4.3 Please indicate from 1 (not addictive at all) to 5 (extremely addictive) how addictive you believe vaping is:</p> <ul style="list-style-type: none">◦ 1 Not addictive at all◦ 2◦ 3◦ 4◦ 5 Extremely addictive
<p>Q4.4 Please indicate how much you agree or disagree with the following statement from 1 (strongly disagree) to 5 (strongly agree): vaping is safer than smoking a cigarette?</p> <ul style="list-style-type: none">◦ 1 Strongly disagree◦ 2 Disagree◦ 3 Neither agree nor disagree◦ 4 Agree◦ 5 Strongly agree
<p>Q4.5 How harmful do you think vaping is to a person's physical health? *Physical health—physical health refers to the health of your body. It takes into account everything from the absence of illness to the level of physical fitness.</p> <ul style="list-style-type: none">◦ 1 Not harmful at all◦ 2◦ 3◦ 4◦ 5 Extremely harmful

Appendix 1 (continued): Part 1 survey.

Knowledge on vaping products and its health risk
<p>Q4.6 Please indicate how much you agree or disagree with the following statement from 1 (strongly disagree) to 5 (strongly agree): vape juice contains chemicals that may cause long-term health problems: *Vape juice—vape juice is the liquid used in vape devices that gets turned into vapour. It also comes under other names such as e-juice, e-liquid and vape liquid. No matter the size or look of the vaping device, the production of vapour requires the presence of vape juice.</p> <ul style="list-style-type: none">◦ 1 Strongly disagree◦ 2 Disagree◦ 3 Neither agree nor disagree◦ 4 Agree◦ 5 Strongly agree
<p>Q4.7 Which of the following parts of body do you think that vaping has a negative impact on: (Select all that apply)</p> <ul style="list-style-type: none">▫ Lung▫ Heart▫ Brain▫ Mouth▫ None of above
Start of block: vaping and oral health
<p>Q5.1 The following questions will ask about your views on the risks of vaping on oral health.</p>
<p>Q5.2 Do you think vaping can contribute to tooth decay? *Tooth decay—permanently damaged areas in the hard surface of your teeth that develop into tiny openings or holes.</p> <ul style="list-style-type: none">◦ Yes◦ No◦ Unsure
<p>Q5.3 Do you think vaping is related to gum disease? *Gum disease—the inflammation of the gums that can go on to destroy the bone surrounding your teeth.</p> <ul style="list-style-type: none">◦ Yes◦ No◦ Unsure
<p>Q5.4 Do you think vaping can contribute to teeth staining? *Tooth staining—when the colour of your teeth changes. Teeth may darken, turn from white to different colours, or develop opaque or dark spots in places.</p> <ul style="list-style-type: none">◦ Yes◦ No◦ Unsure

Appendix 1 (continued): Part 1 survey.

Vaping and oral health
<p>Q5.5 Do you think vaping can contribute to dry mouth? *Dry mouth—dryness or a feeling of stickiness in your mouth, saliva that seems thick and stringy, dry, or sore throat and hoarseness, dry or grooved tongue.</p> <ul style="list-style-type: none">◦ Yes◦ No◦ Unsure
<p>Q5.6 Do you think vaping can contribute to bad breath? *Bad breath—is a persistent, unpleasant odour in exhaled breath.</p> <ul style="list-style-type: none">◦ Yes◦ No◦ Unsure
<p>Q5.7 Do you think vaping increases the risk of oral cancer? *Oral cancer—cancers of the mouth including lip cancer, jaw cancer and tongue cancer.</p> <ul style="list-style-type: none">◦ Yes◦ No◦ Unsure
Start of block: oral health practice
<p>Q6.1 The following questions will ask about your views on oral health and oral health behaviours.</p>
<p>Q6.2 How would you rate your current oral health on a scale from 1 (very poor) to 5 (extremely healthy)? *Oral health—the health of your teeth, gums and the parts of your face that help you to smile, speak and chew.</p> <ul style="list-style-type: none">◦ 1 Very poor◦ 2◦ 3◦ 4◦ 5 Extremely healthy
<p>Q6.3 When was the last time you visited a dental clinic for check-up or treatment?</p> <ul style="list-style-type: none">◦ Never been to a dental clinic◦ Last 12 months◦ Last 24 months◦ 2–5 years ago◦ >5 years ago

Appendix 1 (continued): Part 1 survey.

Oral health practice
<p>Q6.4 Have you ever been asked if you vape or not when visiting a dental professional? *Dental professional—a person who has the training or expertise to provide care to your mouth and teeth (such as a dentist, dental hygienist, dental therapist, dental nurse, oral health therapist).</p> <ul style="list-style-type: none">◦ Yes◦ No
<p>Q6.5 Have you asked any dental professionals about vaping and oral health?</p> <ul style="list-style-type: none">◦ Yes◦ No
Start of block: attitudes and willingness
<p>Q7.1 Please indicate on a scale from 1 (not at all important) to 5 (extremely important) how important is it to you to have good oral health.</p> <ul style="list-style-type: none">◦ 1 Not at all important◦ 2◦ 3◦ 4◦ 5 Extremely important
<p>Q7.2 Please indicate how willing you would be to discuss the impact of vaping on oral health with a dental professional on a scale from 1 (not at all willing) to 5 (extremely willing). *Dental professional—a person who has the training or expertise to provide care to your mouth and teeth (such as a dentist, dental hygienist, dental therapist, dental nurse, oral health therapist).</p> <ul style="list-style-type: none">◦ 1 Not willing at all◦ 2◦ 3◦ 4◦ 5 Extremely willing
<p>Q7.3 Please indicate how much you agree or disagree with the following statement from 1 (strongly disagree) to 5 (strongly agree): I would be less likely to vape if I believed it was harmful to my oral health.</p> <ul style="list-style-type: none">◦ 1 Strongly disagree◦ 2 Disagree◦ 3 Neither agree nor disagree◦ 4 Agree◦ 5 Strongly agree

Appendix 1 (continued): Part 1 survey.

Attitudes and willingness
<p>Q7.4 Which of the following sources would you be happy to receive information on the health effects of vaping from: (Select all that apply)</p> <ul style="list-style-type: none"><input type="checkbox"/> Healthcare providers (such as GPs, nurses, oral health professionals, pharmacists, etc.)<input type="checkbox"/> Social media (such as Instagram, TikTok, etc.)<input type="checkbox"/> School/university/workplaces<input type="checkbox"/> Other (please specify)
Start of block: end of survey
<p>Q8.1 Please click “submit” below if you are ready. You will then be taken to a page where you can enter the prize draw and/or request a copy of the study results. Please be aware that once you submit your survey, you cannot withdraw from this study.</p> <ul style="list-style-type: none"><input type="radio"/> Submit
<p>Q8.2 Would you like to enter a prize draw for an Apple Airpods Pro or an Oral-B Genius 9000 Toothbrush? Your survey response still remains anonymous.</p> <ul style="list-style-type: none"><input type="radio"/> Yes<input type="radio"/> No
End of block: end of survey