**Establishing the social license to introduce tracking technologies to address COVID-19 in Australia**

**Wave 4 Questions and Scenarios**

Underlined titles describe the survey sections and do not appear in the survey.  
Response options are written in *italics* and are multiple-choice unless otherwise specified.  
[Attention checks] and [conditional items] are identified by square brackets.

Demographics

Q1. What is your age?  
*Sliding scale numeric response*

Q2. What is your gender?  
*Man, Woman, Other, Prefer not to say*

Q3. What is your country of residence? [Participants discontinue if not in studied country, e.g., Australia]  
*Drop-down menu.*

Q3b. What is your state (or territory) or residence?  
*Drop-down menu. NSW, ACT, VIC, NT, QLD, SA, WA, TAS*

Q4 Do you currently use a smartphone?  
*Yes, No*

If [Yes] Q4a. What operating system do you use on your phone?

*Android, IOS (Apple), Other, I don’t know*

Q5. What is the highest level of education that you have completed?  
*Less than High School degree.  
High School degree or equivalent.  
Associate degree, Undergraduate degree, Graduate degree.*

Background questions on COVID-19 impact

Q6. Have you, or somebody you know, ever tested positive for novel coronavirus (COVID-19)?  
6a. I have tested positive for COVID-19. T*rue/False*6b. Somebody I know has tested positive for COVID-19. *True/False*

Q7 [*If 6a False*]. How harmful would it be for your health if you were to become infected with novel coronavirus (COVID-19) in the next 12 months?  
*Very mild, mild, moderate, severe, very severe.*

Q8. How severe do you think novel coronavirus (COVID-19) will be in the Australian general population as a whole?  
*Very mild, mild, moderate, severe, very severe.*

Q9. How concerned are you that you might become infected with novel coronavirus (COVID-19)?  
*Not at all concerned, slightly concerned, somewhat concerned, very concerned, extremely concerned.*

Q10. How concerned are you that somebody you know might become infected with novel coronavirus (COVID-19)?  
*Not at all concerned, slightly concerned, somewhat concerned, very concerned, extremely concerned.*

Q11. How many days, if any, have you been under quarantine or lockdown orders?  
*Free numeric response.*

Q12. Have you, temporarily or permanently, lost your job as a consequence of the novel coronavirus (COVID-19) pandemic?   
*Yes/No*

Q13. What is your main source of information about the novel coronavirus (COVID-19) pandemic?  
*Newspaper (including online), Social media, Friends and family, Radio, Television, Other, None. I do not follow news about the COVID-19 pandemic.*

Q14. Please estimate the number of deaths due to COVID-19 in each of the following countries.  
Sliding scale 0 – 100,000. *Australia, China, Germany, Italy, Singapore, South Korea, Spain, United States of America, United Kingdom*

Q15. What percentage of the population do you think is complying with government policies regarding social distancing?  
*Free text numeric response*

Q16. How much are you following government policies regarding social distancing?  
*I don’t follow these policies at all, I mostly don’t follow these policies, I follow these policies somewhat, I mostly follow these policies but not all the way, I completely follow these policies, I go slightly beyond what the government policy mandates,I go somewhat beyond what the government policy mandates, I go significantly beyond what the government policy mandates, I am in complete quarantine and never leave my home.*

Q17. The Australian Government has recently released the COVIDsafe app to trace the spread of COVID-19. To the best of your knowledge:

Q17.a What technology does the COVIDsafe app use to capture contacts between mobile phones?

* *Bluetooth, Location data, Mobile phone tower data, I don’t know.*

~~Q17b. Who has access to the data from the COVIDSafe app? [multiple choices allowed]~~

* *~~Me,~~*
* *~~the Government,~~*
* *~~Contact tracers working for the Health Department,~~*
* *~~the public,~~*
* *~~researchers,~~*
* *~~I don’t know~~*

Q17b. If someone using the COVIDSafe app tests positive and agrees to share the information collected by the app, who will have access to this data? [multiple choices allowed]

* *Contact tracers working for the Health Department,*
* *Other Government employees who are not contact tracers,*
* *Me,*
* *the public,*
* *researchers,*
* *I don’t know*

Participants presented with Scenario

The COVID-19 pandemic has rapidly become a worldwide threat. Containing the virus’ spread is essential to minimise the impact on the healthcare system, the economy, and save many lives. The Australian Government has recently released the COVIDSafe app to help identify and contact those who may have been exposed to people with COVID-19. **The use of this app is completely voluntary**, **but the government has explicitly stated that easing social distancing restrictions depends at least in part on the degree of community uptake of this voluntary app.** This is because, the more people that download and use this app the more effectively it will help to contain the spread of COVID-19. **The app works with bluetooth and no location data is collected**: when two people are near each other, their phones connect and keep a record of all these connections. If a person is later identified as being infected, that person may **voluntarily** **upload their bluetooth contacts to a secure server accessible only to the Health Department of the Australian Government.**  **This data would only be used by the Health Department of the Australian Government to contact those who might have been exposed to COVID-19.**

Q18 [Attention check]. What was the previous scenario about?  
*Details about the government's new ‘COVIDSafe’ app.  
The government considering the details of their foreign policy response to influenza.  
The government developing a vaccine to immunize the population from Swine Flu.   
The governments economic response to the budget deficit.*

New COVIDsafe specific questions

Q19 Have you downloaded the COVIDSafe app?   
*Yes/No*

Q19aa. [If Yes to Q19] “When did you download the COVIDSafe app?”

*The day it was released, In the week after it was released, Any other time.*

[if Yes] Q19a. Have you successfully registered as a user of the COVIDSafe app?

*Yes/No, Don’t know*

[if Yes] Q19b. Does the COVIDSafe app remain installed on your phone?

*Yes/No*

[If No to Q19b] Q19ba. “Why did you uninstall the COVIDSafe app”?

*Excessive battery use, Concern for privacy of the data, The app didn’t work, Interfered with normal use of my phone or bluetooth devices, Because risk of COVID-19 infection has decreased, Other reason*

[If ‘The app didn’t work’ to 19ba] Q19baa “Why didn’t the app work”?

*My phone number is not an Australian mobile number,*

*The operating system on my phone is too old,*

*I tried activating when I was not in Australia,*

*The app wouldn’t stay on.*

*Other reason.*

[if Yes] Q19c. Do you generally have bluetooth switched on so the COVIDSafe app can operate effectively?

*Yes, Yes - when I leave the house, No, don’t know*

[if Yes] Q19d. Do you have the COVIDSafe app downloaded, registered and have bluetooth switched on so the app can operate effectively?

*Yes, Yes - when I leave the house, No, I don’t know*

[If Yes, and iOS] Q19ddd. When in public, do you leave your phone screen unlocked, Bluetooth on, and COVIDSafe open on the front screen?

*Yes, No*

[if Yes] Q19e. If you test positive to COVID-19, will you upload your data from the COVIDSafe app so the Australian Government’s Health Department can alert those you may have been in contact with?

*Yes/No*

[If yes] Q19f. Why did you download the COVIDSafe app? Please rank the following options:

*To get back to normal activities sooner*

*To protect my own health*

*To protect the health of others.*

*To follow government recommendations*

*To help the economy*

[If yes] Q19g. Who convinced you to download the COVIDSafe app? Please rank the following options:

*Prime minister*

*Other politician*

*Government advertising*

*Friend or Family*

*Public figure*

*Scientist/researcher*

*Nobody, I didn't need convincing*

[If yes] Q19h. Have you made any attempts to convince your friends and/or family to download the COVIDSafe app?

*Yes/No*

[If yes to Q19h] Q19ha. By clicking "share with others" within the COVIDSafe app you can easily send a link to your chosen contact(s) containing information about the app and how to download it.

Did you know this? *Yes/No*

Have you “shared” COVIDSafe with others? *Yes/No*

Will you “share” COVIDSafe with others in the future? *Yes/No*

[If No] Q19i. Will you download the COVIDSafe app in the future?

*Yes/No*

[If Yes to 19i] Q19ia. Why have you not *yet* downloaded the COVIDSafe app? Please rank the following options:

*I haven’t had time yet*

*I haven’t left the house yet*

*Technical issues*

*I’m waiting to see if enough people will download the app for it to be effective*

*I’ve been considering the pros and cons of downloading the app*

*Hasn’t crossed my mind yet*

*~~I’m waiting for the Government to introduce legislation about their use of the app’s data~~*

*I don’t know how to download it*

[If No to 19i] Q19ib. Why will you not download the COVIDSafe app? Please rank the following options:

*Concerned about privacy*

*Don’t trust the Government with my data*

*Worried about battery usage on my phone*

*I don't think it's going to be effective*

*I am worried about normalising government tracking*

*I am concerned about the government encroaching on civil liberties*

*I don’t have a Smartphone*

*Smartphone is too old for the app*

*I am worried about someone else besides the Government illegally accessing the data*

[If no to 19i] Q19ic. Who convinced you not to download the COVIDSafe app? Please rank the following options:

*Prime Minister*

*Other politician*

*Government advertising*

*Friend or Family*

*Public figure*

*Scientist/researcher*

*Nobody, I didn't need convincing*

~~[If No to Q19 and Q19ib] Q19h. Would you download the COVIDSafe app if appropriate privacy protections were legislated by parliament?~~

*~~Yes/No~~*

Q20. To the best of your knowledge, approximately what percent of the people you know have downloaded the COVIDSafe app?

*0-100*

~~Q21. In your opinion, should the government use the COVIDSafe app uptake levels to decide on when restrictions should be lifted?~~

*~~Yes/No~~*

Q21. If an insufficient number of Australians download the COVIDSafe app, should the government make downloading the app mandatory by issuing fines to those who do not comply?

*Yes/No*

Questions adapted from waves 1 and 2

Q22. What percentage of the Australian population do you think will use COVIDSafe?  
*Free text numeric response*

Q23. How confident are you that the COVIDSafe app will reduce your likelihood of contracting COVID-19?  
*Not at all, slightly, a bit, moderately, a lot, extremely*

Q24. How confident are you that the COVIDSafe app would help you resume your normal activities more rapidly?  
*Not at all, slightly, a bit, moderately, a lot, extremely*

Q25. How confident are you that COVIDSafe will reduce the spread of COVID-19 in the community?

*Not at all, slightly, a bit, moderately, a lot, extremely*

Q26. How confident are you that other people like yourself would be able to download and use the COVIDSafe app effectively.  
*Not at all, slightly, a bit, moderately, a lot, extremely*

Q27. In this scenario, how easy is it for people to decline participation in the COVIDSafe app?  
*Not at all, slightly, a bit, moderately, a lot, extremely*

Q28. To what extent is the Government only collecting the data necessary to achieve the purposes of the proposed policy?  
*Not at all, slightly, a bit, moderately, a lot, extremely*

Q29. How sensitive is the data being collected by the COVIDSafe app?   
*Not at all, slightly, a bit, moderately, a lot, extremely*

Q30. How serious is the risk of harm that could arise from the COVIDSafe app?   
*Not at all, slightly, a bit, moderately, a lot, extremely*

Q31. In this scenario, how much do you trust the Government to use the tracking data only to deal with the COVID-19 pandemic?  
*Not at all, slightly, a bit, moderately, a lot, completely*

Q32. How much do you trust the Government to be able to ensure the privacy of each individual?  
*Not at all, slightly, a bit, moderately, a lot, completely*

Q33. In this scenario, how secure is the data collected by the COVIDSafe app?  
*Not at all, slightly, a bit, moderately, a lot, extremely*

Q34. To what extent do people have ongoing control of their data that is collected by the COVIDSafe app? This includes controlling how and when data is collected, and having access to view and delete data after it is collected.   
*No control at all, Slight control, A bit of control, Moderate control, A lot of control, Complete control*

~~Immunity Passport Questions~~

Science and technology are making our lives healthier, easier and more comfortable

Q35. Science and technology are making our lives healthier, easier, and more comfortable.

*1 = “completely disagree” to 10 = “completely agree”* (Slider)

Q36. Because of science and technology, there will be more opportunities for the next generation.

*1 = “completely disagree” to 10 = “completely agree”* (Slider)

Q37. All things considered, would you say that the world is better off, or worse off, because of science and technology?

*1 = “a lot worse off” to 10 = “a lot better off”* (Slider)

Travel and COVID-tracking Apps

Q38. I would willingly download and use another country's COVID-19 tracking app if it were a condition to travel to that country.

*Strongly disagree, disagree, somewhat disagree, neither agree nor disagree, somewhat agree, agree, strongly agree*

Q39. I think all arrivals to Australia should be required to download and use COVIDSafe as a condition of their entry.

*Strongly disagree, disagree, somewhat disagree, neither agree nor disagree, somewhat agree, agree, strongly agree*

Social opinions

Q40. An economic system based on free markets unrestrained by government interference automatically works best to meet human needs.  
*Strongly disagree, disagree, somewhat disagree, neither agree nor disagree, somewhat agree, agree, strongly agree*

Q41. The free market system may be efficient for resource allocation but it is limited in its capacity to promote social justice.  
*Strongly disagree, disagree, somewhat disagree, neither agree nor disagree, somewhat agree, agree, strongly agree*

Q42. The government should interfere with the lives of citizens as little as possible.   
*Strongly disagree, disagree, somewhat disagree, neither agree nor disagree, somewhat agree, agree, strongly agree*

Q43. Do you approve of the Government’s handling of the COVID-19 pandemic?

*Strongly disapprove, disapprove, somewhat disapprove, neither approve nor disapprove, somewhat approve, approve, strongly approve*

Q44. Finally, you may use the textbox below if you have any queries, issues, statements or thoughts in relation to this survey and/or this research that you would like to send to the research team.  
*Free response text box*