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

**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.  
Blue items are only presented in the first (Gov App) scenario.  
RED items are only presented in the second (Telecommunication) scenario.  
GREEN items are only presented in the third (Bluetooth) scenario.

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*

Q4 [Scenario Two]. Do you currently use a mobile phone?  
*Yes, No*

Q4 [Scenario Three]. Do you currently use a smartphone?  
*Yes, No*

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 – 50,000. *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 significantly beyond what the government policy mandates, I am in complete quarantine and never leave my home.*

Scenario one, two or three will be presented here. Participants only see one scenario.

**Scenario One – Gov App**

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 might consider using smartphone tracking data to identify and contact those who may have been exposed to people with COVID-19. This would help reduce community spread by identifying those most at risk and allowing health services to be appropriately targeted. **Only people that downloaded a government app and agreed to be tracked and contacted would be included in the project.** The more people that download and use this app the more effectively the Government would be able to contain the spread of COVID-19. Data would be stored in an encrypted format on a secure server accessible only to the Australian Government. **Data would only be used to contact those who might have been exposed to COVID-19.**

*OR*

**Scenario Two – Telecommunication**

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 might consider using phone tracking data supplied by telecommunication companies to identify and contact those who may have been exposed to people with COVID-19. This would help reduce community spread by identifying those most at risk and allowing health services to be appropriately targeted. **All people using a mobile phone would be included in the project, with no possibility to opt-out.** Data would be stored in an encrypted format on a secure server accessible only to **the Australian Government who may use the data to locate people who were violating lockdown orders and enforce them with fines and arrests where necessary.** Data would also be used to inform the appropriate public health response and to contact those who might have been exposed to COVID-19, and individual quarantine orders could be made on the basis of this data.

*OR*

**Scenario Three - Bluetooth 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. **Apple and Google have proposed adding a contact tracing capability to existing smartphones to help inform people if they have been exposed to others with COVID-19.** This would help reduce community spread of COVID-19 by allowing people to voluntarily self-isolate. When two people are near each other, their phones would connect via bluetooth. If a person is later identified as being infected, the people they have been in close proximity to are then notified **without the government knowing who they are**. **The use of this contact tracing capability would be completely voluntary**. **People who are notified would not be informed who had tested positive.**

Q17 [Attention check; Scenario One & Two]. What was the previous scenario about?  
*The government considering using new technology to eliminate influenza  
The government considering the details of their economic response to COVID-19.  
The government developing a vaccine to immunize the population from COVID-19.  
The government considering using tracking technology to help reduce the spread of COVID-19.*

Q17 [Attention check; Scenario Three]. What was the previous scenario about?  
*Apple and Google adding a contract tracing capability to existing smarphones to help reduce the spread of COVID-19.  
The Government developing a vaccine to immunize the population from COVID-19.  
Apple and Google considering the details of their economic response to COVID-19.  
The government considering using new technology to eliminate influenza.*

Q18 [Scenario One]. If, as depicted in this scenario, the Government developed a tracking app to help reduce the spread of COVID-19, would you download and use it?  
*Yes/No*

Q18 [Scenario Two]. Is this use of tracking data in this scenario acceptable?  
*Yes/No*

Q18 [Scenario Three]. If, as depicted in this scenario, Apple and Google added a COVID-19 contact tracing capability into smartphones, would you use it?  
*Yes/No*

Q19 [Scenario One & Three]. What percentage of the population do you think would use [this Government app/Apple and Google’s COVID-19 tracing system] under these circumstances?  
*Free text numeric response*

Q20. In this scenario, how confident are you that [the Government tracking/Apple and Google’s COVID-19 smartphone contact tracing system] would reduce your likelihood of contracting COVID-19?  
*Not at all, slightly, a bit, moderately, a lot, extremely*

Q21. In this scenario, how confident are you that [the Government tracking/Apple and Google’s COVID-19 smartphone contact tracing system] would help you resume your normal activities more rapidly?  
*Not at all, slightly, a bit, moderately, a lot, extremely*

Q22. In this scenario, how confident are you that [the Government app/Apple and Google’s COVID-19 smartphone contact tracing system] would reduce the spread of COVID-19 in the community?

Q23 [Scenario One & Three]. In this scenario, how confident are you that other people like yourself would be able to [download and use the app/use Apple and Google’s COVID-19 smartphone contact tracing system] effectively.  
*Not at all, slightly, a bit, moderately, a lot, extremely*

Q24. In this scenario, how easy is it for people to decline participation in [the proposed policy/Apple and Google’s COVID-19 contact tracing system]?  
*Not at all, slightly, a bit, moderately, a lot, extremely*

Q25. In this scenario, to what extent is [the Government only collecting the data necessary to achieve the purposes of the proposed policy/only the data necessary to achieve the purposes of the contact tracing being collected]?  
*Not at all, slightly, a bit, moderately, a lot, extremely*

Q26. In this scenario, how sensitive is the data being collected [in the proposed policy/by Apple and Google’s COVID-19 contact tracing system]?   
*Not at all, slightly, a bit, moderately, a lot, extremely*

Q27. In this scenario, how serious is the risk of harm that could arise from [the proposed policy/Apple and Google’s COVID-19 tracing system]?   
*Not at all, slightly, a bit, moderately, a lot, extremely*

Q28. In this scenario, how much do you trust [the Government/Apple and Google] to use the tracking data only to deal with the COVID-19 pandemic?  
*Not at all, slightly, a bit, moderately, a lot, completely*

Q29. In this scenario, how much do you trust [the Government/Apple and Google] to be able to ensure the privacy of each individual?  
*Not at all, slightly, a bit, moderately, a lot, completely*

Q30. In this scenario, how secure is the data that would be collected [for the proposed policy/by Apple and Google’s COVID-19 contact tracing system]?  
*Not at all, slightly, a bit, moderately, a lot, extremely*

Q31. In this scenario, to what extent do people have ongoing control of their data? 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*

Q32. If, as depicted in this scenario, Apple and Google added a COVID-19 contact tracing capability into smartphones, would you use it?  
*Yes/No*

Conditional Acceptability

Q31 [Scenario One]. If, as depicted in this scenario, the Government developed a tracking app to help reduce the spread of COVID-19, would you download and use it?   
*Yes/No*

Q31 [Scenario Two]. Is the use of tracking data in this scenario acceptable?   
*Yes/No*

Q31 [Scenario Three] If, as depicted in this scenario, Apple and Google added a COVID-19 contact tracing capability to smartphones, would you use it?  
*Yes/No*

***If No to Q31, see Q31a & b:***

Q31a [Scenario One]. Would your decision change if the government was required to delete the data and cease tracking after six months?   
*Yes/No*

Q31b [Scenario One]. Would your decision change if data was stored only on your smartphone (not government servers) and you were given the option to provide it if you tested positive to the COVID19 virus?   
*Yes/No*

Q31a [Scenario Two]. Would your decision change if the government was required to delete the data and cease tracking after 6 months?   
*Yes/No*

Q31b [Scenario Two]. Would your decision change if there was an option to opt out of data collection? *Yes/No*

Q31a. [Scenario Three] Would your decision change if Apple and Google promised to delete all data and remove the contact tracing system after six months?  
*Yes/No*

Immunity Passport

Please read the following paragraph that explains the ‘Immunity Passport’ concept in regards to novel coronavirus (COVID-19), and then answer the following questions.

An 'immunity passport' indicates that you have had a disease and that you have the antibodies for the virus causing that disease. Having the antibodies implies that you are now immune and therefore unable to spread the virus to other people. Thus, if an antibody test indicates that you have had the disease, you could be allocated an 'immunity passport' which would subsequently allow you to move around freely. Immunity passports have been proposed as a potential step towards lifting movement restrictions during the COVID-19 pandemic.

Q32. Would you support a government proposal to introduce 'immunity passports' for novel coronavirus (COVID-19)?  
*Not at all, Slightly, A bit, Moderately, A lot, Fully*

Q33. How concerned are you about the idea of introducing an 'immunity passport' for novel coronavirus (COVID-19)?  
*Not at all concerned, Slightly concerned, Somewhat concerned, Very concerned, Extremely concerned*

Q34. How much would you like to be allocated an 'immunity passport' for novel coronavirus (COVID-19), irrespective of whether you actually had COVID-19 or not?  
*Not a lot, Slightly, A bit, Moderately, A lot, Extremely*

Q35. To what extent do you believe an 'immunity passport' for novel coronavirus (COVID-19) could harm the social fabric of your country?  
*Not a lot, Slightly, A bit, Moderately, A lot, Extremely*

Q36. To what extent do you believe that it is fair for people with 'immunity passports' for novel coronavirus (COVID-19) to go back to work, while individuals without such an 'immunity passport' cannot?  
*Extremely unfair, Very unfair, Somewhat unfair, Somewhat fiar, Very fair, Extremely fair*

Q37. To what extent would you consider purposefully infecting yourself with novel coronavirus (COVID-19) to get an 'immunity passport' for novel coronavirus (COVID-19)?  
*Not a lot, Slightly, A bit, Moderately, A lot, Extremely*

Q38. Would you support a government proposal to introduce 'immunity passports'?  
*Not at all, Slightly, A bit, Moderately, A lot, Fully*

Social opinions

Q39. 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*

Q40. 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*

Q41. 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*

Q42. 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.*