Personal Data on Mobile Phones for Public Health

INFORMED CONSENT

This questionnaire is organised by researchers at Open Lab, which is part of the School of Computing at Newcastle University and the questions are designed for the purpose of academic research.

In this research, we are interested in your perspectives on access to medical and wellbeing data on mobile phones. You are being asked to complete a survey about some imagined scenarios about other people, and provide some background demographic data. We are interested in your views and opinions, based on your background and experience.

Participation is voluntary and you can withdraw from the research at any time. Incomplete responses will be deleted before analysis. Information you provide will be used for academic research. All your data will be treated with full confidentiality and, if published, you will not be identifiable. Electronic data will be stored and transferred using encryption at all times.

Since this questionnaire uses scenarios about personal and wider health problems, you could find it upsetting especially if you know anyone recently affected by medical conditions. If you think you may become upset by completing the survey, then you are advised not to participate.

Anonymous data may be shared with researchers running other research studies at Newcastle University and in other organisations such as universities and research departments. This information will not identify you and will not be combined with other information in a way that could identify you. The information will only be used for the purpose of research and cannot be used to contact you. It will not be used to make decisions about services available to you.

After the study is completed, we will analyse the results and submit them for publication (typically a scientific journal or conference). Presentations may also be given at scientific conferences. Only group data will be discussed in the findings, so individuals will not be identified. If you would like to find out more about the study, a summary of the findings can be sent to you when the project is completed later in 2020. If you wish to receive this, please add your email address when prompted.

In case of a publication, the data will be manually checked to assure that any potentially identifying information is removed. The fully anonymous data may then be published together with a report. The original survey data will be removed from the secure online storage by 30 March 2021.

If you have any questions about this research, please contact the researcher (before starting the survey. based at Open Lab:

Open Lab Newcastle University Urban Sciences Building Newcastle Helix NE4 5TG

To continue to the survey, you must agree that:

- 1. I confirm I have read the information above and had the opportunity to consider the information and ask questions, and have had any questions answered satisfactorily.
- 2. I understand my participation is voluntary and am free to withdraw at any time.
- 3. I understand data from my participation will be subject to anonymous scientific analysis, publication and anonymous data may be shared with other researchers.
- 4. I am aged 18 or over, and live in the United Kingdom.
- * Required
- Please indicate your agreement to the above statements and consent before proceeding: *
 Mark only one oval.
 I consent, begin the study
 I do not consent, I do not wish to participate in the study
 Skip to section 11 (Do Not Consent)

Prolific ID

2. If you have reached this questionnaire through Prolific, please enter your Prolific ID here: *

Demographics - About You

3. What is your age? (in years)

4.	What is your gender identity? *
	Mark only one oval.
	Woman
	Man
	Non-binary
	Prefer not to say
5.	Which of the following best describe your current situation (select as many as
	necessary)?
	Check all that apply.
	Working full time (30 hours a week or more)
	Working part time (1-29 hours a week)
	Retired
	Unemployed
	Long term sick or disabled
	In community or military service
	Undergraduate student
	Postgraduate student
	In full time education (not higher degree)
	In part time education (not higher degree)
	Doing housework, looking after children or other persons

6. In the last year, have you done any of the following? *

Please note: if you are visiting this questionnaire using a mobile device, you may need to drag the response options left and right in order to see all available options.

Mark only one oval per row.

	No	Yes, only OFF-line	Yes, only ON-line	Yes, both off- line and on-line	Don t know
Contacted a politician, government or local government official (e.g. your MP or a councillor)					
Signed a petition					
Deliberately bought certain products for political, ethical or environmental reasons					
Found information that helped you form your opinion on a public issue					
Wrote a letter, comment, or sent an email or message supporting a social or political cause					

7.	How would you describe the place where you usually live?
	Mark only one oval.
	A big city
	The suburbs or outskirts of a big city
	A small city or town
	A country village
	A farm or home in the country

8.	In what country/	region of the UK is that?	*					
	Mark only one ov	al.						
	Scotland							
	On Northern Ire	land						
	Wales							
	East Midlan	ds						
	East England							
	London							
	North East							
	North West							
	South East							
	South West							
	West Midlar	nds						
	O Yorkshire ar	nd Humberside						
	Other UK							
	O I do not live	in the UK Skip to sectio	n 12 (Inconsisten	t Screening Response	s)			
- A	emographics About Your se of chnology	We need to identify what all of determine how this is different please select whether you be matching answer.	nt to the wider UK a	dult population. For each				
9.	Can you do oach	of the following comm	unication tacks	2 *				
9.		n of the following comm	unication tasks	:				
	Mark only one oval	per row.						
			I CAN do this	I CANNOT do this				
		te using tools like Email, ïme or Messenger						
	I can post on soc Facebook or Insta	ial media platforms e.g. agram						
	I can keep my em accounts safe	ails and social media						

	I CAN do this	I CANNOT do
I can save information find it again from a different computer, tablet or phone		
I can use the internet to access entertainment legally e.g. Spotify, Netflix or BBC iPlayer		
I can check if online information is true or false		
Can you do each of the following transac	etional tasks? * I CAN do this	I CANNOT do 1
Mark only one oval per row.		
,		
Mark only one oval per row. I can buy things online and know how to	I CAN do this	
I can buy things online and know how to check if a website is safe I can use the internet for online services e.g	I CAN do this	
I can buy things online and know how to check if a website is safe I can use the internet for online services e.g Universal Credit or uploading passport forms	I CAN do this	I CANNOT do

I can use online chat to ask for help with a website or app

I can use the internet to find out how to do something online

13.	Can you do each of the following being safe and legal online tasks?	*

Mark only one oval per row.

		I CAN do this	s I CANNOT	Γ do this
I understand the importance of changing and not sharing pas	-			
I can recognise suspicious we	eblinks			
I understand how to use priva control what people see	cy settings to			
Would you describe yourse	elf as a perso	n who is conce	erned about	t their health?
Mark only one oval.				
1	2 3	4 5	6 7	
not at all concerned				very concerned

15. How do you feel about your use of digital devices (such as computers, smartphones, tablets, etc.)? *

Please indicate in how far you agree with each statement by choosing one answer ... (Please note: if you are visiting this questionnaire using a mobile device, you may need to drag the response options left and right in order to see all available options.)

Mark only one oval per row.

	1 (disagree)	2	3	4	(agree) 5
I feel confident and relaxed working with digital devices					
The harder I work at learning how to use digital devices the more confused I get					
I have sometimes thought that I am too old to learn about digital devices					
I have sometimes thought "digital devices don't like me"					
I always have problems working on digital devices					
I can usually manage to solve problems with digital devices by myself					

Demographics - About Privacy

Regarding ORGANISATIONS (institutions, public agencies, or intelligence services), how concerned are you about....

16. ... these organisations monitoring your online communication? *

Mark only one oval.

	1	2	3	4	5	6	7	
Not at all concerned								Very concerned

17.	not having insigh	t into v	vhat th	ese or	ganisat	tions d	o with	your d	ata? *
	Mark only one oval.								
		1	2	3	4	5	6	7	
	Not at all concerned								Very concerned
18.	these organisation Internet? *	ons col	lecting	and ar	nalysing	g the d	ata tha	nt you s	share on the
	Mark only one oval.								
		1	2	3	4	5	6	7	
	Not at all concerned								Very concerned
Rega	arding OTHER PEOP	LE, hov	w conc	erned	are yo	u abou	ıt		
19.	other people get	ting in	formati	ion abo	out you	ı witho	ut your	conse	ent? *
	Mark only one oval.								
		1	2	3	4	5	6	7	
	Not at all concerned								Very concerned
20	athan na amha fin a	l: :	:	l		l'	2 *		
20.	other people find	iing ini	ormati	on abc	out you	online	<i>?</i> "		
	Mark only one oval.								
		1	2	3	4	5	6	7	
	Not at all concerned								Very concerned

Mark only one oval.								
	1	2	3	4	5	6	7	
Not at all concerned								Very con
other people spre	eading	inform	nation a	about v	∕ou wit	hout y	our kno	owledge:
Mark only one oval.	J			,		,		3
	1	2	3	4	5	6	7	
								Vorusor
information,) with	_			=			addre	
other people sha information,) with	n other	peopl	e witho	out you	ir cons	ent?*		
other people sha information,) with	_			=			addre	
other people sha information,) with	n other	peopl	e witho	out you	ir cons	ent?*		ss, conta
other people sha information,) with Mark only one oval. Not at all concerned	1	people 2	a 3	4	5	6 6	7	ss, conta
other people sha information,) with Mark only one oval. Not at all concerned other people pub	1 Olishing	2 inform	3 anation a	4	5	6 6	7	ss, conta
other people sha information,) with Mark only one oval.	1 Olishing	2 inform	3 anation a	4	5	6 6	7	ss, conta
other people sha information,) with Mark only one oval. Not at all concerned other people publinformation,) on t	1 Olishing	2 inform	3 anation a	4	5	6 6	7	Very con

people c	on the int	ernetr	iot beli	ng wnc	they c	ciaim to	ber		
Mark only o	ne oval.								
		1	2	3	4	5	6	7	
Not at all c	oncerned								Very concerned
an unkno	own pers	on clai	ming to	o be yo	ou on th	ne Inte	rnet? *		
Mark only o	ne oval.								
		1	2	3	4	5	6	7	
Not at all c	oncerned								Very concerned
		ng your	2	ty on ti	ne inte	rnet? ^	6	7	
Not at all c	oncerned								Very concerned
	phones. I	n your re	sponses	, please	make su	re that yo	ou DO NO	T includ	e any specific
enario 1				someon	ne else (le	ets call ti			The second secon
	Mark only or Not at all co	Mark only one oval. Not at all concerned Mark only one oval. Not at all concerned Mark only one oval. Not at all concerned We will a phones. I informati events).	Mark only one oval. 1 Not at all concerned Mark only one oval. 1 Not at all concerned someone misusing your Mark only one oval. 1 Not at all concerned 1 Not at all concerned Use will ask you at phones. In your reinformation about events).	Mark only one oval. 1 2 Not at all concerned Mark only one oval. 1 2 Not at all concerned someone misusing your identi Mark only one oval. 1 2 Not at all concerned 1 2 Not at all concerned We will ask you about thre phones. In your responses information about yoursel events).	Mark only one oval. 1 2 3 Not at all concerned	Mark only one oval. 1 2 3 4 Not at all concerned	Mark only one oval. 1 2 3 4 5 Not at all concerned	In this scenario, imagine someone else (let s call them Joe) Not at all concerned	Mark only one oval. 1 2 3 4 5 6 7 Not at all concerned

28.	What reasons might Joe have for not wanting the NHS to access the phone and/or the data? Please take a little time to write as many different reasons as you can think of. *
29.	Why might Joe think the data would not be valid for heart palpitation diagnosis, treatment and/or recovery? Again, try to write as many reasons as possible. *
30.	Is validity different for Joe's own heart palpitation treatment and treatment for other people, and why do you think that? *

31. For this scenario, please indicate in how far you agree or disagree with each of the following statements: *

Mark only one oval per row.

	1 (disagree)	2	3	4	(agree) 5		
Data on the phone is valid for use in Joe's diagnosis, treatment and/or recovery							
Data on the phone will assist Joes diagnosis, treatment and/or recovery							
Data on the phone will assist other people s treatment and/or recovery							
If Joe in unconscious or unable to give fully informed consent for some other reason, the NHS should be able to access data on the phone without consent							
If Joe is fully informed but refuses permission, the NHS should be able to access data on the phone without consent							
It is Joes duty to share all data on the phone in this scenario							
Is there anything else you would like to comment on, such as what data is/is not relevant, or why data may be valid/invalid or useful/useless, or whether a slight change to the scenario would significantly alter your answers?							

13/20

Scenario 2 -Meningitis Thinking of a different scenario... Joe arrives in a UK hospital's accident and emergency (A&E) department and Joe is found to have an infectious disease like Meningitis. The medical authorities urgently want to identify and find all potential recent human contacts.

Note: Meningitis is inflammation of the lining around the brain and spinal cord. Although it is only mildly to moderately contagious, it can be very serious and needs to be treated promptly.

33.	What reasons might Joe have for not wanting the NHS to access the phone and/or the data? Please take a little time to write as many different reasons as you can think of. *					
34.	Why might Joe think the data would not be valid for meningitis diagnosis, treatment and/or recovery? Again, try to write as many reasons as possible. *					
35.	Is validity different for Joe's own meningitis treatment and treatment for other people, and why do you think that? *					

36. For this scenario, please indicate in how far you agree or disagree with each of the following statements: *

Mark only one oval per row.

	1 (disagree)	2	3	4	(agree) 5		
Data on the phone is valid for use in Joe's diagnosis, treatment and/or recovery							
Data on the phone will assist Joes diagnosis, treatment and/or recovery							
Data on the phone will assist other people's treatment and/or recovery							
If Joe in unconscious or unable to give fully informed consent for some other reason, the NHS should be able to access data on the phone without consent							
If Joe is fully informed but refuses permission, the NHS should be able to access data on the phone without consent							
It is Joes duty to share all data on the phone in this scenario							
Is there anything else you would like to comment on, such as what data is/is not relevant, or why data may be valid/invalid or useful/useless, or whether a slight change to the scenario would significantly alter your answers?							

15/20

Scenario 3 -Influenza Pandemic Thinking of a different scenario... Joe arrives in a UK hospital's accident and emergency (A&E) department and Joe is found to have been infected by influenza during a worldwide influenza pandemic. The medical authorities urgently want to identify and find all potential recent human contacts.

38.	What reasons might Joe have for not wanting the NHS to access the phone and/or the data? Please take a little time to write as many different reasons as you can think of. *					
39.	Why might Joe think the data would not be valid for influenza diagnosis, treatment and/or recovery in a pandemic situation? Again, try to write as many reasons as possible. *					
40.	Is validity different for Joe's own influenza treatment and treatment for other people, and why do you think that? *					

41. For this scenario, please indicate in how far you agree or disagree with each of the following statements: *

Mark only one oval per row.

	1 (disagree)	2	3	4	(agree) 5		
Data on the phone is valid for use in Joe's diagnosis, treatment and/or recovery							
Data on the phone will assist Joes diagnosis, treatment and/or recovery							
Data on the phone will assist other people's treatment and/or recovery							
If Joe in unconscious or unable to give fully informed consent for some other reason, the NHS should be able to access data on the phone without consent							
If Joe is fully informed but refuses permission, the NHS should be able to access data on the phone without consent							
It is Joes duty to share all data on the phone in this scenario							
Is there anything else you would like to comment on, such as what data is/is not relevant, or why data may be valid/invalid or useful/useless, or whether a slight change to the scenario would significantly alter your answers?							

17/20

Coronavirus and Lockdown Situation

The three scenarios are now complete. Now we would like to ask you to reflect on the situation with coronavirus and the resulting lockdown. If you have any concerns about your mental health or would like further support, please visit www.nhs.uk/coronavirus or call the Samaritans on 116 123.

43.	Do you personally know anyone who had Covid-19 (coronavirus)? *
	Mark only one oval.
	Yes, diagnosed and recovered
	Yes, diagnosed and still ill
	Not formally diagnosed but suspected
	No
44.	What data on people's phones might be useful to the NHS during corona virus and lockdown? *
45.	What would you think if the NHS were able to obtain data from everyone's phones in a certain geographical area of the UK, without requesting consent? *
	priories in a certain geographical area of the ork, without requesting consent:

46. Please indicate in how far you agree or disagree with each of the following statements: *

Mark only one oval per row.

			1 (disagree)	2	3	4	(agree) 5	
		ow more concerned about e prevention						
	share purpos	d now be more willing to private information for the se of controlling the spread aly contagious diseases						
	gather smartp contro	that information that can be ed from private phones can be helpful in lling the spread of highly gious diseases	e					
	gather device contro	orried that information ed from private digital s for the purpose of lling the spread of gious diseases may be ed						
Skip to	o sectio	on 13 (End of Survey)						
Do N	Sorry, you did not consent to the survey's conditions.							
Inconsistent Screening Responses Sorry, this survey is only for adults aged 18 or over who live in the United Kingdom.					live in the			
Please complete the following two steps to record your survey response and receive reward: 1) Visit this Completion URL to complete your submission on Prolific: 2) And, click 'Submit' on this page to record your response.						ceive your		
		If you do not complete the s reward you.	te the second step, we will not receive your data and will be unable to					

This content is neither created nor endorsed by Google.

Google Forms