

Covid-19 Social Study Data User Guide

Prepared by Dr Daisy Fancourt, Dr Elise Paul & Dr Feifei Bu Version 29 25 January 2021





Table of Contents

1.	Stu	dy Overview	2
	1.1	Background & Aims	2
	1.2	Funding	3
	1.3	Ethical clearance	3
	1.4	Patient and Public Involvement	4
	1.5	Contact details	4
Sa	mple		5
	2.1 Sa	mple design	5
	2.2	Study design	5
	2.3	Cleaning	6
	2.4	Recruitment rate	6
	2.5	Response rate	8
	2.6	Retention rate	9
	2.7	Participant characteristics	12
3	Mea	asures	17
	3.1 Stu	udy timeline	18
	3.2 Va	lidated measurements and scales	18
	3.3 De	rived variables	21
	3.4 Mi	ssing data	23
Re	eferenc	ce	23
Αį	pendi	x	26
	Data D	Dictionary	26
	Sect	tion 1: Baseline Only	26
	Sect	tion 2: Questions asked weekly	36
	Sect	tion 3: Extra Modules	59

1. Study Overview

1.1 Background & Aims

The COVID-19 Social Study commenced on 21st March 2020 in response to the outbreak of the novel coronavirus disease (COVID-19). It is a large scale longitudinal panel study of adults aged 18 and over living in the UK. The study was established with five core aims:

- 1. To understand the psychological and social impact of Covid-19
- 2. To map how the psychosocial impact evolves over time as social distancing and lockdown measures were introduced and relaxed
- 3. To ascertain which groups were at greatest risk of adverse effects
- 4. To explore the interaction between psychosocial impact and adherence to healthy and protective behaviours
- 5. To identify protective activities during isolation that could buffer against adverse effects

Participants provide an email address on first enrolling and complete an online questionnaire. They are then automatically re-contacted at this address every week for follow-up questionnaires in order to explore trajectories over time. Data are anonymised prior to analysis.

The study ask baseline questions on the following:

- Demographics including year of birth, sex, ethnicity, relationship status, country of dwelling, urban/rural dwelling, type of accommodation, housing tenure, number of adults and children in the household, household income, education, employment status, pet ownership, and personality
- Health and behaviours including pre-existing long-term physical health conditions, diagnosed mental health conditions, pregnancy, smoking, alcohol consumption, physical activity, caring responsibilities, usual social behaviours, and social network size

It also asks repeated questions every week on the following:

- Covid-19 status including whether the respondent has had Covid-19, whether they have come
 into likely contact with Covid-19, current isolation status and motivations for isolation, length
 of isolation, length of time not leaving the home, length of time not contacting others, trust
 in government, trust in the health service, adherence to health advice, and experience of
 adverse events due to Covid-19 (including severe illness within the family, bereavement,
 redundancy, or financial difficulties)
- Mental health including wellbeing, depression, anxiety, which factors were causing stress, sleep quality, loneliness, social isolation, and changes in health behaviours such as smoking, drinking and exercise
- How people are spending their time whilst in isolation, including over questions on working, functional household activities, care and schooling of any children in the household, hobbies, and relaxation

Certain weeks of the study also include one-off modules on topics including:

- Volunteering behaviours
- Control, frustrations and expectations
- Coping style
- Fear of COVID-19
- Resilience
- Arts and creative engagement
- Life events
- Optimism
- Locus of control
- Emotional intelligence
- Weight
- Gambling behaviours
- Mental health diagnosis
- Use of financial support
- Region
- Faith and religion
- Relationship
- Neighbourhood
- Healthcare
- Lockdown holiday
- Discrimination
- Life changes
- End of July (financial support, volunteering, art, gambling & mental health)

Throughout the pandemic in the UK, the study has provided weekly research reports and updates to the Cabinet Office, other departments within government, Public Health England and the World Health Organisation as well as making results publicly available on the study website.

This User Guide provides detailed information pertaining to the UCL COVID-19 Social Study data.

1.2 Funding

The COVID-19 Social Study is funded by the Nuffield Foundation [WEL/FR-000022583] and the Wellcome Trust [221400/Z/20/Z] and also receives supplementary support from UK Research and Innovation through the MARCH Mental Health Research Network [ES/S002588/1].

1.3 Ethical clearance

Ethical approval for the study was granted by the UCL Research Ethics Committee [12467/005] and the study is fully GDPR compliant, running through a REDCap secure software programme within a data safe haven.

1.4 Patient and Public Involvement

The research questions in the UCL COVID-19 Social Study built on patient and public involvement as part of the UKRI MARCH Mental Health Research Network, which focuses on social, cultural and community engagement and mental health. This highlighted priority research questions and measures for this study. Patients and the public were additionally involved in the recruitment of participants to the study and are actively involved in plans for the dissemination of findings from the study.

1.5 Contact details

Any queries related to the study should be sent to: covid19-study@ucl.ac.uk

Sample

2.1 Sample design

The study is not random and therefore is not representative of the UK population. But it does contain a well-stratified sample that was recruited using three primary approaches.

- 1. First, snowballing was used, including promoting the study through existing networks and mailing lists (including large databases of adults who had previously consented to be involved in health research across the UK), print and digital media coverage, and social media. This included advertising the study through databases of adults who had previously consented to be involved in health research (such as UCL BioResource and HealthWise Wales) and through the UKRI Mental Health Research Networks.
- 2. Second, more targeted recruitment was undertaken focusing on (i) individuals from a low-income background, (ii) individuals with no or few educational qualifications, and (iii) individuals who were unemployed. This was achieved through partnership work with targeted advertising companies and recruitment companies who provided pro-bono support for the study, including Find Out Now, SEO Works, FieldworkHub, and Optimal Workshop. However, no participants were paid to participate in the study.
- 3. Third, the study was promoted via partnerships with third sector organisations to vulnerable groups, including adults with pre-existing mental health conditions, older adults, carers, and people experiencing domestic violence or abuse. This included utilising partnerships from the 1,500-strong membership of the UKRI MARCH Mental Health Research Network.

No proxy interviews were carried out, so the study was not available to individuals without access to the internet.

2.2 Study design

The study commenced as a weekly survey, with participants automatically receiving an invitation to the next wave of data collection 7 days following their last completion. All participants received 2 reminders (24 and 48 hours following their initial weekly invitation). If they did not complete following these reminders, they stopped receiving future surveys. But their link to their last reminder remained live so they could return to the study a few days late if they chose. For this reason, date is recommended to be modelled within analyses that look at longitudinal follow-up so as to take account of whether responses were precisely 7 days apart or not.

Following week 22 of the study, the study changed from weekly follow-up to monthly follow-up. In order to still have a spread of responses across the weeks, participants were randomised to receive their first monthly invitation in week 1, 2, 3 or 4 of the month, with subsequent invitations following on 28 days after they completed the survey. We re-approached all participants who had been lost to follow-up but who had not formally unsubscribed from the study to take part, so the sample size increased following this alteration to the study design.

2.3 Cleaning

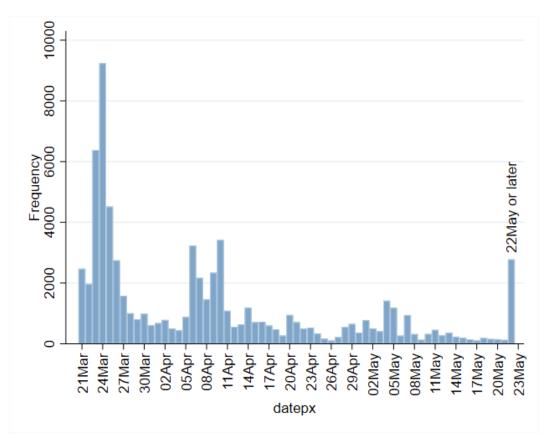
A number of checks on the data were performed, with responses failing these checks being eliminated before any counting of the total sample size took place.

To confirm age eligibility, we asked about age including ages under 18, and excluded any responses from those too young to participate. To confirm country of origin, we similarly asked about country of residence and excluded any outside of the UK.

The system required an email address to be entered and validated before any study material could be provided. This approach was used to bot completion of the study. However, we lack information on how many survey invitations for subsequent weeks were rejected from email accounts (for example due to typographical errors in emails or non-working email accounts). All data were checked for duplicate email addresses, and all duplicates (0.1% of the sample) were removed.

2.4 Recruitment rate

Participants could join the study on any date from 21st March onwards (see Figure below). Active recruitment using the techniques described in section 2.1 was continued for the first 8 weeks of the study and then stopped. Date of joining is denoted with the variable 'datepx'. Their first survey completed is denoted as 'wave' 1, with subsequent responses on subsequent weeks being labelled as 'wave' 2, 3 etc. The variable 'wave' was derived from the original variable, 'redcap_event_name'.



The week of joining the study is denoted with the variable 'week' derived from the date variable 'datepx'. The baseline week was defined as the first survey week, from 21/03/2020-27/03/2020 (as shown below). Please note that a small number of participants have repeated week values. This is

problematic if using 'xtset' with week. This will be addressed in future cleanings of the dataset, but for the present users are left to decide how to deal with these cases.

Week	Date
1	21/03-27/03/2020
2	28/03-03/04/2020
3	04/04-10/04/2020
4	11/04-17/04/2020
5	18/04-24/04/2020
6	25/04-01/05/2020
7	02/05-08/05/2020
8	09/05-15/05/2020
9	16/05-22/05/2020
10	23/05-29/05/2020
11	30/05-05/06/2020
12	06/06-12/06/2020
13	13/06-19/06/2020
14	20/06-26/06/2020
15	27/06-03/07/2020
16	04/07-10/07/2020
17	11/07-17/07/2020
18	18/07-24/07/2020
19	25/07-31/07/2020
20	
	01/08-07/08/2020
21	08/08-14/08/2020
22	15/08/20-21/08/20
	hed to monthly follow-up
23	22/08/20-28/08/20
23 24	22/08/20-28/08/20 29/08/20-04/09/20
23 24 25	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20
23 24 25 26	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20
23 24 25 26 27	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20
23 24 25 26 27 28	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20
23 24 25 26 27 28 29	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20 03/10/20-09/10/20
23 24 25 26 27 28 29 30	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20 03/10/20-09/10/20 10/10/20-16/10/20
23 24 25 26 27 28 29 30 31	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20 03/10/20-09/10/20 10/10/20-16/10/20 17/10/20-23/10/20
23 24 25 26 27 28 29 30 31 32	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20 03/10/20-09/10/20 10/10/20-16/10/20 17/10/20-23/10/20 24/10/20-30/10/20
23 24 25 26 27 28 29 30 31	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20 03/10/20-09/10/20 10/10/20-16/10/20 17/10/20-23/10/20 24/10/20-30/10/20 31/10/20-06/11/20
23 24 25 26 27 28 29 30 31 32	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20 03/10/20-09/10/20 10/10/20-16/10/20 17/10/20-23/10/20 24/10/20-30/10/20
23 24 25 26 27 28 29 30 31 32 33	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20 03/10/20-09/10/20 10/10/20-16/10/20 17/10/20-23/10/20 24/10/20-30/10/20 31/10/20-06/11/20
23 24 25 26 27 28 29 30 31 32 33	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20 03/10/20-09/10/20 10/10/20-16/10/20 17/10/20-23/10/20 24/10/20-30/10/20 31/10/20-06/11/20 07/11/20-13/11/20
23 24 25 26 27 28 29 30 31 32 33 34 35	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20 03/10/20-09/10/20 10/10/20-16/10/20 17/10/20-23/10/20 24/10/20-30/10/20 31/10/20-06/11/20 07/11/20-13/11/20 14/11/20-20/11/20
23 24 25 26 27 28 29 30 31 32 33 34 35	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20 03/10/20-09/10/20 10/10/20-16/10/20 17/10/20-23/10/20 24/10/20-30/10/20 31/10/20-06/11/20 07/11/20-13/11/20 14/11/20-20/11/20 21/11/20-27/11/20
23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20 03/10/20-09/10/20 10/10/20-16/10/20 17/10/20-23/10/20 24/10/20-30/10/20 31/10/20-06/11/20 07/11/20-13/11/20 14/11/20-20/11/20 21/11/20-27/11/20 28/11/20-04/12/20
23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20 03/10/20-09/10/20 10/10/20-16/10/20 17/10/20-23/10/20 24/10/20-30/10/20 31/10/20-06/11/20 07/11/20-13/11/20 14/11/20-20/11/20 21/11/20-27/11/20 28/11/20-04/12/20 05/12/20-11/12/20
23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20 03/10/20-09/10/20 10/10/20-16/10/20 17/10/20-23/10/20 24/10/20-30/10/20 31/10/20-06/11/20 07/11/20-13/11/20 14/11/20-20/11/20 21/11/20-27/11/20 28/11/20-04/12/20 05/12/20-11/12/20
23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20 03/10/20-09/10/20 10/10/20-16/10/20 17/10/20-23/10/20 24/10/20-30/10/20 31/10/20-06/11/20 07/11/20-13/11/20 14/11/20-20/11/20 21/11/20-27/11/20 28/11/20-04/12/20 05/12/20-11/12/20 19/12/20-25/12/20
23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20 03/10/20-09/10/20 10/10/20-16/10/20 17/10/20-23/10/20 24/10/20-30/10/20 31/10/20-06/11/20 07/11/20-13/11/20 14/11/20-20/11/20 21/11/20-27/11/20 28/11/20-04/12/20 05/12/20-11/12/20 19/12/20-25/12/20 26/12/20-01/01/21
23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20 03/10/20-09/10/20 10/10/20-16/10/20 17/10/20-23/10/20 24/10/20-30/10/20 31/10/20-06/11/20 07/11/20-13/11/20 14/11/20-20/11/20 21/11/20-27/11/20 28/11/20-04/12/20 05/12/20-11/12/20 12/12/20-18/12/20 19/12/20-25/12/20 26/12/20-01/01/21 02/01/21-08/01/21
23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	22/08/20-28/08/20 29/08/20-04/09/20 05/09/20-11/09/20 12/09/20-18/09/20 19/09/20-25/09/20 26/09/20-02/06/20 03/10/20-09/10/20 10/10/20-16/10/20 17/10/20-23/10/20 24/10/20-30/10/20 31/10/20-06/11/20 07/11/20-13/11/20 14/11/20-20/11/20 21/11/20-27/11/20 28/11/20-04/12/20 05/12/20-11/12/20 12/12/20-18/12/20 19/12/20-25/12/20 26/12/20-01/01/21 02/01/21-08/01/21

If a participant jointed the study later, say in week 4, s/he would commence with 'wave' 1, but in 'week' 4, so would be treated as missing from weeks 1 to 3.

Alternatively, users could also fix the time variable on a specific date, for example the starting point of the study (21/03/2020) or the lockdown (23/03/2020). This can be derived by using the following Stata command:

2.5 Response rate

Out of a total of 98,534 individuals who landed on the consent page for the study, 84,497 consented to take part, and 73,265 commenced the study and provided data at one or more waves.

Data provided is either complete or incomplete. The variable 'date' indicates when survey participants **completed** a survey for a particular wave. It was derived from the time-stamp variables, 'your_experience_dur_v0', 'your_experience_dur_v2' and 'your_experiences_2_timestamp' which were automatically generated by the REDCap system on completion of a survey.

The variable 'date' differs from 'datepx' in that 'datepx' included participants who started a survey for a particular wave but did not complete it. These non-completed surveys are not assigned an official timestamp by REDCap. For 'date' they are listed as '[not completed]' but for 'datepx' missing dates were imputed based on the time stamp for completing the first completing the first part of the questionnaire, or based on the time stamps of previous or later waves assuming that the follow-up was strictly 7 days.

These incomplete cases can be drop by using the following Stata command:

As participants joined the study on different days and therefore received weekly invitations to continue participation on different days, surveys were completed across every day of the week from the start of the study. The number of surveys completed on each day (up to 21 August 2020) is shown below:

datepx	Freq.	datepx	Freq.	datepx	Freq.	datepx	Freq.
21-Mar-20	2,474	29-Apr-20	6,471	07-Jun-20	4,108	16-Jul-20	3,930
22-Mar-20	1,975	30-Apr-20	5,895	08-Jun-20	4,486	17-Jul-20	3,610
23-Mar-20	6,382	01-May-20	5,696	09-Jun-20	4,602	18-Jul-20	3,265
24-Mar-20	9,240	02-May-20	4,481	10-Jun-20	5,121	19-Jul-20	3,442
25-Mar-20	4,522	03-May-20	4,186	11-Jun-20	4,644	20-Jul-20	4,125
26-Mar-20	2,750	04-May-20	5,555	12-Jun-20	4,443	21-Jul-20	3,832
27-Mar-20	1,582	05-May-20	6,373	13-Jun-20	3,541	22-Jul-20	3,864
28-Mar-20	2,171	06-May-20	5,050	14-Jun-20	4,098	23-Jul-20	3,887
29-Mar-20	2,301	07-May-20	6,126	15-Jun-20	4,442	24-Jul-20	3,538
30-Mar-20	4,262	08-May-20	4,885	16-Jun-20	4,458	25-Jul-20	3,228

31-Mar-20	7,423	09-May-20	3,795	17-Jun-20	4,755	26-Jul-20	3,368
01-Apr-20	5,801	10-May-20	5,105	18-Jun-20	4,670	27-Jul-20	4,107
02-Apr-20	3,795	11-May-20	5,598	19-Jun-20	4,244	28-Jul-20	3,627
03-Apr-20	2,122	12-May-20	6,284	20-Jun-20	3,462	29-Jul-20	3,640
04-Apr-20	2,132	13-May-20	6,674	21-Jun-20	3,948	30-Jul-20	3,623
05-Apr-20	2,942	14-May-20	5,359	22-Jun-20	4,398	31-Jul-20	3,384
06-Apr-20	6,364	15-May-20	4,732	23-Jun-20	4,285	01-Aug-20	3,271
07-Apr-20	7,999	16-May-20	3,941	24-Jun-20	4,397	02-Aug-20	3,365
08-Apr-20	6,906	17-May-20	4,601	25-Jun-20	4,376	03-Aug-20	3,957
09-Apr-20	6,138	18-May-20	5,363	26-Jun-20	4,270	04-Aug-20	3,661
10-Apr-20	5,691	19-May-20	5,624	27-Jun-20	3,621	05-Aug-20	3,512
11-Apr-20	3,282	20-May-20	5,947	28-Jun-20	3,857	06-Aug-20	3,527
12-Apr-20	2,962	21-May-20	5,412	29-Jun-20	4,370	07-Aug-20	3,211
13-Apr-20	5,048	22-May-20	4,840	30-Jun-20	4,197	08-Aug-20	3,041
14-Apr-20	8,204	23-May-20	3,720	01-Jul-20	4,188	09-Aug-20	3,332
15-Apr-20	6,930	24-May-20	4,188	02-Jul-20	4,214	10-Aug-20	3,889
16-Apr-20	6,323	25-May-20	4,326	03-Jul-20	4,068	11-Aug-20	3,517
17-Apr-20	5,712	26-May-20	5,791	04-Jul-20	3,478	12-Aug-20	3,426
18-Apr-20	4,239	27-May-20	5,478	05-Jul-20	3,762	13-Aug-20	3,492
19-Apr-20	3,330	28-May-20	5,106	06-Jul-20	4,324	14-Aug-20	3,132
20-Apr-20	5,127	29-May-20	4,678	07-Jul-20	3,973	15-Aug-20	2,893
21-Apr-20	6,963	30-May-20	3,774	08-Jul-20	4,176	16-Aug-20	3,364
22-Apr-20	6,742	31-May-20	4,193	09-Jul-20	4,104	17-Aug-20	3,794
23-Apr-20	6,459	01-Jun-20	4,472	10-Jul-20	3,718	18-Aug-20	3,438
24-Apr-20	5,644	02-Jun-20	4,966	11-Jul-20	3,314	19-Aug-20	3,469
25-Apr-20	4,399	03-Jun-20	5,472	12-Jul-20	3,571	20-Aug-20	3,198
26-Apr-20	3,481	04-Jun-20	4,780	13-Jul-20	4,363	21-Aug-20	2,943
27-Apr-20	4,390	05-Jun-20	4,531	14-Jul-20	3,948		
28-Apr-20	6,181	06-Jun-20	3,891	15-Jul-20	3,972		

The study moved to monthly follow-ups after 21st August so recruitment was shut and analysis moved from daily to weekly.

2.6 Retention rate

The variable 'wave' indicates the sequence of repeated responses for each participant. The baseline response is when 'wave' equals 1. As participants could join the study at any point, the response rate across waves is changing daily while the study is open. Once study recruitment is complete, we will calculate complete response rates for each wave.

As of 25 January 2021, the numbers of responses across each wave is as follows. NB the % of participants shown in columns 4 and 5 does not represent a simple retention rate as participants have all joined at different dates across the study period so not everybody has had the 'opportunity' to complete multiple waves of data yet. Each week more participants move through the study from previous weeks, increasing the overall numbers who have maintained study engagement.

Wave	Freq.	% of total	% of	% with
		Obs.	Wave 1	Follow-ups
			participants	
1	72,665	10.64	100.00	80.10
2	58,648	8.59	80.71	87.11
3	50,973	7.46	70.15	89.75
4	45,707	6.69	62.90	91.98
5	41,922	6.14	57.69	92.82
6	39,006	5.71	53.68	93.61
7	36,159	5.29	49.76	95.15
8	35,009	5.13	48.18	95.64
9	33,481	4.9	46.08	96.01
10	32,146	4.71	44.24	96.25
11	30,941	4.53	42.58	96.25
12	29,781	4.36	40.98	95.84
13	28,541	4.18	39.28	95.59
14	27,282	3.99	37.54	93.20
15	25,428	3.72	34.99	90.81
16	23,092	3.38	31.78	90.24
17	20,838	3.05	28.68	87.69
18	18,273	2.68	25.15	80.43
19	14,697	2.15	20.23	69.12
20	10,157	1.49	13.98	63.72
21	6,473	0.95	8.91	27.24
22	1,763	0.26	2.43	

NB <u>Wave</u> 22 was an incomplete week so participants did not have equal opportunity to participate before the study switched to monthly rather than weekly follow-up. Wave 23 onwards was a monthly wave, consisting of data collected over a period of 4 weeks. As the full sample was re-contacted, the completion rate also increased:

Wave	Freq.	% of total Obs.	% of Wave 23 participants	% with Follow-ups
23	39,452	23.12%	100.00%	85.29%
24	33,648	19.72%	85.29%	91.56%
25	30,807	18.05%	78.09%	92.92%
26	28,626	16.78%	72.56%	94.19%
27	26,964	15.80%	68.35%	In progress
28	11,147	6.53%	In progress	

The total number of participants providing data during each calendar week is shown below (NB the numbers were correct until 9am on 25 January, 2021, so this week does not have complete data yet).

Date	Week	Freq.
21/03-27/03/2020	1	28,847
28/03-03/04/2020	2	27,853
04/04-10/04/2020	3	38,138
11/04-17/04/2020	4	38,435
18/04-24/04/2020	5	38,477
25/04-01/05/2020	6	36,502
02/05-08/05/2020	7	36,627
09/05-15/05/2020	8	37,546
16/05-22/05/2020	9	35,731
23/05-29/05/2020	10	33,289
30/05-05/06/2020	11	32,189
06/06-12/06/2020	12	31,296
13/06-19/06/2020	13	30,226
20/06-26/06/2020	14	29,153
27/06-03/07/2020	15	28,528
04/07-10/07/2020	16	27,552
11/07-17/07/2020	17	26,730
18/07-24/07/2020	18	25,973
25/07-31/07/2020	19	24,996
01/08-07/08/2020	20	24,521
08/08-14/08/2020	21	23,849
15/08-21/08/2020	22	23,115
22/08-28/08/2020	23	11,380
29/08/20-04/09/20	24	9,972
05/09/20-11/09/20	25	9,902
12/09/20-18/09/20	26	10,005
19/09/20-25/09/20	27	8,165
26/09/20-02/10/20	28	8,285
03/10/20-09/10/20	29	8,460
10/10/20-16/10/20	30	8,045
17/10/20-23/10/20	31	7,398
24/10/20-30/10/20	32	7,543
31/10/20-06/11/20	33	7,790
07/11/20-13/11/20	34	7,424
14/11/20-20/11/20	35	6,925
21/11/20-27/11/20	36	7,022
28/11/20-04/12/20	37	7,159
05/12/20-11/12/20	38	6,925
12/12/20-18/12/20	39	6,424
19/12/20-25/12/20	40	6,205
26/12/20-01/01/21	41	6,933
02/01/21-08/01/21	42	7,004
09/21/21-15/01/21	43	6,219

16/01/21-22/01/21	44	6,273
23/01/21-29/01/21	45	In progress

^{*}NB Following week 22, the study was changed from weekly to monthly follow-up, with participants randomised into whether they completed their surveys in weeks 1, 2, 3 or 4 of each month. This increased the overall sample size still participating in the study but decreased the participants each calendar week.

2.7 Participant characteristics

The demographics of study participants across every wave are presented below.

As the study used a nonprobability sampling design, we recommend that all analysis should be conducted on weighted data to compensate for the difference in response probability in the UK population.

The dataset contains a cross-sectional weight variable (w1wgt) for all baseline participants (wave==1). The cross-sectional weighting was implemented by using the Stata user written command 'ebalance'

1. The weighted data were matched to population statistics for the following domains:

- Age
- Gender
- Ethnicity
- Education
- Country of living

Source:

https://www.ons.gov.uk/peoplepopulationandcommunity/populationandmigration/populationestimates/datasets/populationestimatesforukenglandandwalesscotlandandnorthernireland

Once the study finishes, we will also calculate longitudinal weights to take account of respondents at previous waves who were lost through non-response or withdrawal from the study.

¹ Hainmueller J, Xu Y. Ebalance: A Stata package for entropy balancing. Journal of Statistical Software. 2013 Sep 1;54(7).

		Total Obs (N)	Wave	ve 1 Wave 2 Wave 3		e 3	Wave	e 4		
			Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted
Age	18-29	51,252	10.87%	19.49%	8.90%	15.41%	7.54%	12.60%	6.96%	11.43%
	30-45	199,918	31.26%	26.11%	29.28%	24.51%	27.59%	22.89%	26.14%	21.59%
	46-59	271,703	30.45%	24.11%	31.56%	25.75%	32.18%	26.68%	32.21%	26.70%
	60+	330,727	27.41%	30.30%	30.26%	34.34%	32.70%	37.83%	34.70%	40.29%
Gender	Women	636,101	74.85%	50.64%	75.29%	51.47%	75.37%	51.64%	75.23%	51.31%
Ethnicity	Ethnic minorities	34,389	6.06%	12.79%	5.05%	10.36%	4.58%	9.40%	4.36%	8.93%
Education	GCSE or below	119,811	15.10%	32.65%	13.90%	30.94%	13.64%	30.89%	13.55%	30.91%
	A levels or equivalent	147,151	18.18%	33.85%	17.69%	33.45%	17.28%	32.67%	17.07%	32.29%
	Degree or above	586,638	66.72%	33.50%	68.41%	35.62%	69.08%	36.44%	69.39%	36.80%
Country	England	690,220	81.67%	84.26%	81.29%	84.43%	81.21%	84.43%	81.17%	84.52%
	Wales	102,046	10.57%	4.74%	11.13%	5.26%	11.24%	5.46%	11.49%	5.68%
	Scotland	52,997	6.56%	8.20%	6.49%	7.93%	6.49%	7.90%	6.34%	7.81%
	Northern Ireland	8,337	1.20%	2.80%	1.08%	2.38%	1.06%	2.20%	1.00%	1.98%
Mental health	Diagnosed condition	143,765	19.81%	20.37%	19.04%	19.64%	18.43%	18.59%	17.91%	18.03%

		Wave	e 5	Wav	e 6	Wave 7		Wave 8	
		Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted
Age	18-29	6.46%	10.66%	6.06%	9.88%	5.89%	9.67%	5.64%	9.32%
	30-45	25.09%	20.52%	24.22%	19.80%	23.55%	19.11%	23.00%	18.56%
	46-59	32.28%	26.68%	32.32%	26.65%	32.23%	26.55%	32.17%	26.45%
	60+	36.18%	42.15%	37.40%	43.67%	38.33%	44.67%	39.19%	45.68%
Gender	Women	75.14%	51.12%	75.07%	50.96%	74.97%	50.87%	74.92%	50.66%
Ethnicity	Ethnic minorities	4.25%	8.75%	4.06%	8.37%	3.99%	8.24%	3.88%	8.06%
Education	GCSE or below	13.56%	31.15%	13.47%	31.20%	13.37%	31.03%	13.47%	31.30%
	A levels or equivalent	17.02%	32.27%	16.92%	32.11%	16.94%	32.22%	17.02%	32.23%
	Degree or above	69.42%	36.58%	69.61%	36.70%	69.69%	36.75%	69.50%	36.47%
Country	England	81.06%	84.44%	80.92%	84.28%	80.72%	84.30%	80.81%	84.40%
	Wales	11.78%	5.85%	11.96%	6.03%	12.27%	6.20%	12.26%	6.20%
	Scotland	6.17%	7.75%	6.17%	7.77%	6.09%	7.70%	6.05%	7.61%
	Northern Ireland	0.98%	1.97%	0.96%	1.92%	0.91%	1.80%	0.89%	1.80%
Mental health	Diagnosed condition	17.58%	17.77%	17.20%	17.20%	16.93%	16.82%	16.77%	16.68%

		Wav	e 9	Wave	10	Wave 11		Wave	12
		Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted
Age	18-29	5.31%	8.70%	5.14%	8.37%	4.96%	8.07%	4.82%	7.83%
	30-45	22.46%	18.11%	21.94%	17.70%	21.53%	17.32%	21.06%	16.98%
	46-59	32.08%	26.38%	32.06%	26.36%	31.97%	26.26%	31.90%	26.12%
	60+	40.15%	46.82%	40.86%	47.57%	41.54%	48.35%	42.22%	49.07%
Gender	Women	74.85%	50.54%	74.80%	50.48%	74.75%	50.32%	74.58%	50.05%
Ethnicity	Ethnic minorities	3.76%	7.71%	3.70%	7.59%	3.61%	7.34%	3.54%	7.16%
Education	GCSE or below	13.60%	31.67%	13.71%	31.91%	13.72%	31.96%	13.80%	32.13%
	A levels or equivalent	17.04%	32.15%	16.99%	31.96%	16.97%	31.94%	17.01%	31.97%
	Degree or above	69.36%	36.18%	69.30%	36.13%	69.32%	36.10%	69.19%	35.90%
Country	England	80.64%	84.28%	80.48%	84.13%	80.35%	84.11%	80.23%	84.08%
	Wales	12.42%	6.30%	12.58%	6.42%	12.73%	6.55%	12.86%	6.60%
	Scotland	6.07%	7.65%	6.06%	7.67%	6.06%	7.60%	6.05%	7.60%
	Northern Ireland	0.88%	1.76%	0.87%	1.78%	0.86%	1.74%	0.86%	1.72%
Mental health	Diagnosed condition	16.49%	16.31%	16.26%	16.10%	16.02%	15.80%	15.89%	15.71%

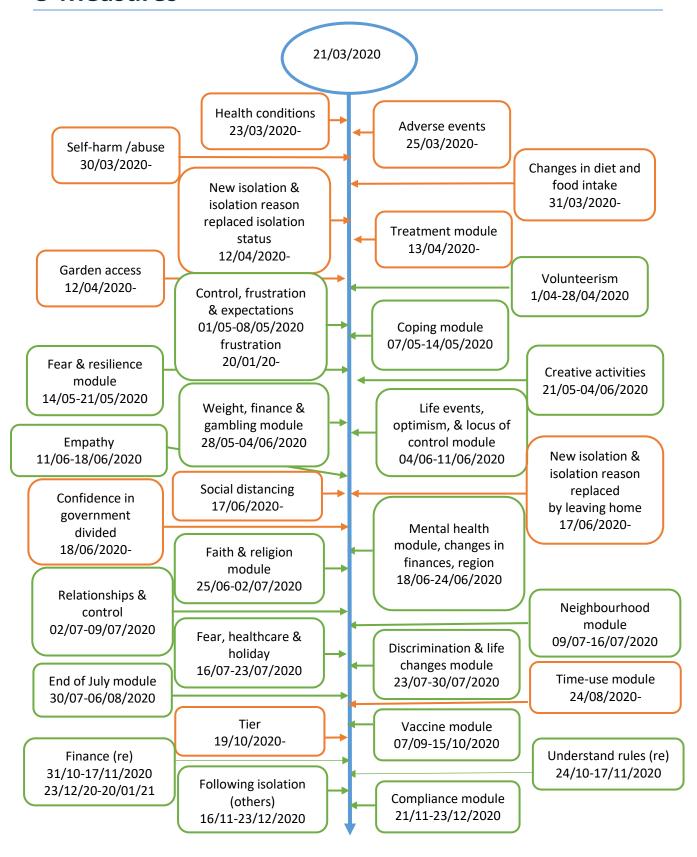
		Wave 13		Wave	14	Wave 15		Wave 16	
		Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted
Age	18-29	4.59%	7.36%	4.42%	6.95%	4.27%	6.72%	4.24%	6.51%
	30-45	20.70%	16.71%	20.30%	16.47%	19.99%	16.21%	19.65%	15.88%
	46-59	31.75%	26.00%	31.67%	25.90%	31.47%	25.64%	31.22%	25.46%
	60+	42.96%	49.93%	43.61%	50.69%	44.28%	51.42%	44.89%	52.14%
Gender	Women	74.50%	49.98%	74.38%	49.77%	74.25%	49.56%	73.95%	49.11%
Ethnicity	Ethnic minorities	3.45%	6.85%	3.35%	6.65%	3.25%	6.49%	3.17%	6.37%
Education	GCSE or below	13.92%	32.45%	14.05%	32.75%	14.33%	33.31%	14.44%	33.48%
	A levels or equivalent	17.04%	31.90%	17.11%	31.87%	17.20%	31.78%	17.24%	31.74%
	Degree or above	69.05%	35.66%	68.84%	35.39%	68.48%	34.91%	68.32%	34.78%
Country	England	80.02%	83.92%	79.80%	83.77%	79.35%	83.52%	78.75%	82.91%
	Wales	13.07%	6.72%	13.26%	6.83%	13.56%	6.94%	13.95%	7.19%
	Scotland	6.03%	7.62%	6.06%	7.63%	6.19%	7.76%	6.35%	8.01%
	Northern Ireland	0.88%	1.75%	0.89%	1.77%	0.90%	1.79%	0.95%	1.90%
Mental health	Diagnosed condition	15.83%	15.58%	15.66%	15.41%	15.48%	15.22%	15.34%	15.02%

		Wave 17		Wav	Wav 18		Wave 19		Wave 20	
		Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	
Age	18-29	4.10%	6.27%	3.86%	5.73%	3.90%	5.53%	4.17%	5.75%	
	30-45	19.46%	15.66%	19.35%	15.47%	19.14%	15.03%	19.35%	14.83%	
	46-59	31.16%	25.51%	31.42%	25.63%	31.36%	25.39%	31.02%	25.04%	
	60+	45.29%	52.57%	45.37%	53.17%	45.60%	54.05%	45.46%	54.39%	
Gender	Women	73.75%	48.81%	73.77%	48.61%	74.23%	48.89%	74.79%	49.44%	
Ethnicity	Ethnic minorities	3.17%	6.30%	3.20%	6.31%	3.25%	6.19%	3.33%	6.55%	
Education	GCSE or below	14.65%	33.69%	14.76%	33.83%	14.64%	33.77%	14.49%	33.36%	
	A levels or equivalent	17.40%	31.92%	17.44%	31.98%	17.46%	31.92%	17.60%	32.17%	
	Degree or above	67.96%	34.39%	67.79%	34.19%	67.90%	34.31%	67.90%	34.47%	
Country	England	78.91%	82.97%	81.08%	83.90%	84.81%	85.75%	87.79%	87.02%	
	Wales	13.63%	7.04%	11.22%	5.77%	7.42%	3.67%	4.33%	1.85%	
	Scotland	6.47%	8.07%	6.73%	8.36%	6.75%	8.45%	6.74%	8.80%	
	Northern Ireland	0.98%	1.92%	0.97%	1.97%	1.01%	2.13%	1.13%	2.32%	
Mental health	Diagnosed condition	15.11%	14.83%	14.98%	14.68%	14.67%	14.34%	14.79%	14.10%	

		Wave 21		Wave 22		Wave 23/Month 1		Wave 24/Month 2	
		Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted
Age	18-29	4.03%	5.17%	4.42%	6.01%	5.90%	10.11%	5.02%	8.44%
	30-45	18.20%	12.99%	18.09%	13.14%	23.63%	19.49%	21.42%	17.48%
	46-59	30.28%	24.42%	29.61%	23.64%	32.40%	26.47%	32.45%	26.54%
	60+	47.49%	57.42%	47.87%	57.20%	38.08%	43.93%	41.11%	47.54%
Gender	Women	74.71%	48.57%	74.97%	47.50%	75.32%	50.97%	75.05%	50.73%
Ethnicity	Ethnic minorities	3.13%	6.13%	2.91%	5.91%	4.11%	8.51%	3.78%	7.81%
Education	GCSE or below	15.11%	34.62%	15.88%	34.73%	13.92%	31.72%	14.16%	32.46%
	A levels or equivalent	17.77%	32.00%	17.24%	32.32%	17.27%	32.62%	17.06%	31.89%
	Degree or above	67.12%	33.38%	66.87%	32.96%	68.82%	35.66%	68.78%	35.64%
Country	England	89.05%	87.80%	89.11%	87.35%	80.80%	84.38%	80.41%	84.17%
	Wales	3.38%	1.37%	3.01%	1.11%	12.17%	5.99%	12.63%	6.34%
	Scotland	6.41%	8.52%	6.98%	9.21%	6.04%	7.48%	5.99%	7.44%
	Northern Ireland	1.16%	2.31%	0.91%	2.33%	0.99%	2.14%	0.97%	2.05%
Mental health	Diagnosed condition	14.49%	14.06%	14.52%	13.77%	17.15%	17.20%	16.33%	16.26%

		Wave 25/Month 3		Wave 26/Month 4		Wave 27/Month 5		Wave 28/Month 6	
		Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted
Age	18-29	4.52%	7.45%	4.20%	7.04%	3.93%	6.51%	3.33%	5.35%
	30-45	20.11%	16.40%	19.07%	15.39%	18.30%	14.82%	17.10%	14.08%
	46-59	32.45%	26.62%	32.23%	26.34%	32.07%	26.16%	31.15%	25.98%
	60+	42.93%	49.53%	44.49%	51.23%	45.69%	52.51%	48.43%	54.60%
Gender	Women	74.86%	50.53%	74.57%	50.02%	74.43%	49.76%	74.26%	50.54%
Ethnicity	Ethnic minorities	3.58%	7.34%	3.50%	7.11%	3.43%	6.87%	2.83%	5.53%
Education	GCSE or below	14.31%	32.77%	14.35%	33.01%	14.47%	33.37%	15.06%	34.14%
	A levels or equivalent	16.99%	31.65%	16.97%	31.56%	17.04%	31.47%	17.53%	31.52%
	Degree or above	68.71%	35.59%	68.68%	35.43%	68.49%	35.16%	67.41%	34.34%
Country	England	80.31%	84.24%	80.16%	84.21%	79.98%	84.04%	79.63%	83.64%
	Wales	12.90%	6.52%	13.07%	6.63%	13.33%	6.80%	13.86%	7.28%
	Scotland	5.84%	7.19%	5.83%	7.15%	5.75%	7.08%	5.62%	7.15%
	Northern Ireland	0.95%	2.04%	0.94%	2.01%	0.95%	2.08%	0.89%	1.93%
Mental health	Diagnosed condition	15.70%	15.57%	15.24%	15.01%	14.96%	14.72%	14.44%	13.91%

3 Measures



Note: The survey completion dates might exceed the module time ranges for a small number of participants. This is because participants are allowed to complete half the survey and return a few days later. As such their module data will have been captured within the dates the module was live, but it will not be clear on which date within the week the questions were completed. Data users are encouraged to consider the module questions for these participants as being completed on the last date for the relevant module if including dates within analyses for these variables.

3.1 Study timeline

The study was launched with an initial questionnaire which included a slightly reduced number of the full study questions. In the weeks following, the full list of questions was added and several questions underwent minor clarifications. The timeline of these is shown in the figure above. One month after the study began, rotating modules were introduced (shown in the figure above in green). These came in just for a week.

The full measures and data dictionary for the study is shown in the Appendix.

3.2 Validated measurements and scales

Anxiety during the past week was measured using the Generalised Anxiety Disorder assessment (GAD-7); a well-validated tool used to screen and diagnose generalised anxiety disorder in clinical practice and research ¹. There are 7 items with 4-point responses ranging from "not at all" to "nearly every day", with higher overall scores indicating more symptoms of anxiety. Categorical scales suggest that scores of higher than 5 are mild, higher than 10 are moderate, and higher than 15 are severe ¹.

Coping during lockdown was measured using the 28-item Brief COPE ² scale; one of the most widely used measures to assess the different ways in which people respond to stress. Responses are rated on a 4-point scale from "I haven't been doing this at all" to "I have been doing this a lot". Construct validity and internal reliability of its various 14 subscales have been demonstrated in associations with constructs such as social support ³, mental illness symptom severity ⁴, and psychological symptomatology ⁵.

Coronavirus anxiety during the past two weeks was measured using the Coronavirus Anxiety Scale (CAS) 6 . The CAS contains 5 items with 5-point responses ranging from "not at all" to "nearly every day". The scale has shown good internal reliability (Cronbach's α = 0.93), construct validity, diagnostic viability, and equivalency of measurement across demographic groups 6 . A CAS score of 9 or more classified adults as meeting (90% sensitivity) or not meeting (85% specificity) the threshold for Generalised Anxiety Disorder as a result of worries about Coronavirus 6 .

Creative activities. Use of emotion regulation strategies whilst engaging in creative activities during the past week was measured with the 18-item Emotion Regulation Strategies for Artistic Creative Activities Scale (ERS-ACA) ⁷. Items are rated on 5-point scale ranging from "strongly disagree" to "strongly agree". An overall general factor alongside three subscales can be used: 'avoidance strategies' (7 items such as distraction, suppression and detachment), 'approach strategies' (6 items such as acceptance, reappraisal and problem solving), and 'self-development strategies' (5 items such

as enhanced self-identify, improved self-esteem and increased agency). Strong internal consistency (Cronbach's alphas = 0.88 to 0.93), convergent and divergent validity, construct validity, consistency of internal reliability, and test-retest reliability have been demonstrated ⁷.

Depression during the past week was measured using the Patient Health Questionnaire (PHQ-9); a standard instrument for diagnosing depression in primary care ⁸. The questionnaire involves nine items, with responses ranging from "not at all" to "nearly every day". Higher overall scores indicate more depressive symptoms, with scores of 0-4 suggesting minimal depression, 5-9 suggesting mild depression, 10-14 suggesting moderate depression, 15-19 suggesting moderately severe depression, and scores of 20-27 suggesting severe depression ⁹.

Discrimination experiences since the lockdown were adapted from the Everyday Discrimination Scale (EDS) 10 which was designed to measure routine and relatively subtle experiences of unfair treatment in everyday situations. The scale is widely used and has shown good internal reliability (Cronbach's α = 0.87) and expected associations with internalising and externalising symptoms 11 . We used three items from the short version of the EDS (being threatened or harassed; treated as if you are dishonest; people acting as if they were afraid of you) and added four questions from the English Longitudinal Study of Ageing. We made subtle changes to some of the phrasing to account of the unique social situation of COVID-19. For example, the item "received poorer service in restaurants or stores" was changed to "received poorer service than other people (e.g. for deliveries or in stores)", and an item about receiving poorer service than others from doctors or in hospitals was added. Participants who said they had had each experience were asked to give one of four possible reasons (gender, race/ethnicity, age, for another reason) for the discrimination.

Empathy was assessed using the Interpersonal Reactivity Index (IRI) ¹². The IRI is a widely used measure comprised of four subscales; fantasy, empathic concern, perspective-taking, and personal distress. The COVID-19 Social Study administered the latter two subscales. Empathic concern (also known as emotional empathy) consists of 7 items and captures feelings of warmth, concern, and compassion for others. The perspective-taking scale (also known as cognitive empathy) assesses efforts to adopt the perspectives of others (7 items). Respondents rate items on a five-point scale ranging from "does not describe me well" to "describes me very well". Adequate test-retest and internal reliabilities ¹² as well as convergent and discriminant validity ¹³ have been reported.

Life events in the 12 months prior to lockdown (March 2019 to March 2020) were measured with an item from the Life History Interview of the English Longitudinal Study of Ageing ¹⁴. Participants were presented with a list of 11 life events. The extent to which they found endorsed events distressing was then rated on a four-point scale ranging from "yes, it upset me very much" to "yes, but it didn't upset me at all".

Locus of control was measured using the 6-item Locus of Control Scale developed by the University of Washington Beyond High School Project ¹⁵. The scale was based on Rotter's ¹⁶ conceptualisation of locus of control as generalized expectancies for whether individuals can (internal) or cannot (external) control events and outcomes in their lives. Responses were rated on a four-point scale ranging from "strongly agree" to "strongly disagree".

- In my life, good luck is more important than hard work for success
- When I make plans, I am almost certain I can make them work

- Every time I try to go ahead, something or somebody stops me
- My plans hardly ever work out, so planning makes me unhappy
- I do not have enough control over the direction my life is taking
- Chance and luck are very important for what happens in my life

Loneliness was measured using the 3-item UCLA-3 Loneliness, a short form of the Revised UCLA Loneliness Scale (UCLA-R) ^{17(p198)}. Each item is rated with a 4-point rating scale, ranging from "never" to "always", with higher score indicating greater loneliness.

Neighbourhood social cohesion before and since COVID-19 was measured with the Neighbourhood Scale 18 . Five items were rated on a five-point scale ranging from "strongly disagree" to "strongly agree". The social cohesion scale has demonstrated good internal reliability (Cronbach's alpha = 0.74) and test-retest reliability (r = 0.65) 18 . Good convergent validity has also been found in correlations in the expected direction with neighbourhood safety (r = 0.72) and activities with neighbours (r = 0.43) 18 .

Optimism was measured with the widely-used Life Orientation Test- Revised (LOT-R) ¹⁹. Ten items are rated on a five-point scale ranging from "strongly disagree" to "strongly agree". The LOT-R has demonstrated good internal consistency (Cronbach's alphas ranging from 0.70 to 0.80) and test-retest reliability (correlations from 0.68 to 0.79) ¹⁹. Convergent validity has been shown in correlations with depression, life satisfaction, and health care utilisation ²⁰.

Personality was measured using the Big Five Inventory (BFI-2), which measures five domains and 15 facets: Extraversion (sociability, assertiveness, and energy level), Agreeableness (compassion, respectfulness, and trust), Conscientiousness (organisation, productiveness, and responsibility), Nervousness (anxiety, depression, and emotional volatility), and Openness (intellectual curiosity, aesthetic sensitivity, and creative imagination) ²¹. Each item uses a 5-point scale ranging from "strongly disagree" to "strongly agree", with higher score indicating greater levels of each domain.

Religion and spirituality was measured with items from the English Longitudinal Study of Ageing ²². Participants were first asked to which religion they belonged from a list of eight (e.g., Christian, Jewish, Sikh), including no religion and "other". A second question asked about the frequency of religious service attendance during the past year before the COVID-19 pandemic on a 5-point scale from "not at all" to "more than once a week". A further 4 items asked participants about the role of religion and spirituality in their lives (e.g. "I pray or meditate daily"). These items were rated on a 4-point scale from "strongly disagree" to "strongly agree".

Resilience was assessed with the 6-item Brief Resilience Scale ²³; a widely used measure of individuals' ability to recover from stress. Items are rated on a five-point scale from "strongly disagree" to "strongly agree". Initial psychometrics were established using four samples of adults ²³. The scale was found to have good internal reliability (Cronbach's alphas = .80–.91), and convergent and discriminate validity in associations in expected directions with other resilience measures, optimism, purpose in life, anxiety, and depression ²³.

Risk taking was measured with one item from the Dohmen Risk Taking Scale ²⁴. Respondents rated the extent to which they generally see themselves as a person who is fully prepared to take risks was

rated on an 11-point scale from "not at all willing to take risks" to "very willing to take risks". Behavioural validity was established using a laboratory-based task involving a choice between a safe or a riskier lottery option to win money ²⁴.

Social support was measured using an adapted version of the six-item short form of Perceived Social Support Questionnaire (F-SozU K-6) ^{25,26}. Each item is rated on a 5-point scale from "not true at all" to "very true", with higher scores indicating higher levels of perceived social support. Minor adaptations were made to the language in the scale to make it relevant to experiences during COVID-19.

Comparison of items in the original and revised Perceived Social Support Questionnaire (F-SozU K-6).

<u>-, </u>	
Original	Adapted for COVID-19
	In the past week, I feel
I experience a lot of understanding and security	I have experienced a lot of understanding and
from others	support from others
I know a very close person whose help I can always	I have a very close person whose help I can always
count on	count on
If necessary, I can easily borrow something I might	If necessary, I can easily borrow something I need
need from neighbours or friends	from neighbours or friends
I know several people with whom I like to do things	I have people with whom I can spend time and do
	things together
When I am sick, I can without hesitation ask friends	If I get sick, I have friends and family who will take
and family to take care of	care of me
important matters for me	
If I am down, I know to whom I can go without	If I am feeling down, I have people I can talk to
hesitation	without hesitation

Vaccines. Attitudes towards vaccines were measured using the 12-item Vaccination Attitudes Examination (VAX) Scale ²⁷. Participants were asked to focus on vaccines in general rather than specifically on vaccines for COVID-19. Response options ranged from 1 "strongly agree" to 6 "strongly disagree." Four subscales have previously been derived from the VAX; 1) mistrust of vaccine benefit, (2) worries about unforeseen future effects, (3) concerns about commercial profiteering, and (4) preference for natural immunity ²⁷. Adequate convergent validity and internal reliability was established for all 4 subscales in two samples (Cronbach's alphas = 0.77-0.93).

Wellbeing during the past week using the Subjective Wellbeing measure from the Office for National Statistics ²⁸. Three questions were asked; 1) life satisfaction, 2) worthwhileness, and 3) happiness. Each item is rated on an 11-point scale from 0 (not at all) to 10 (completely).

3.3 Derived variables

In addition to the time variables, date, wave and week, other derived variables are also available in the dataset. These include:

- female
- Ethnic minorities (binary ethnicity variable)

- age (derived from year of birth, capped at 90)
- agegrp3 (age dichotomized into 3 groups)
- agegrp4 (age dichotomized into 4 groups)
- edu (derived from education, 3 groups)
- lowincome (household income<30k)
- overcrowd (room per person<1)
- alone (binary variable indicating if living alone)
- status (living status)
- employed (binary variable, derived from 'employment')
- keyworker
- carer
- ltc p (binary indicator—diagnosed physical condition)
- Itc m (binary indicator—diagnosed mental condition)
- ltc_none (binary indicator—no physical or mental condition)
- GAD (sum score of the GAD-7 scale)
- anxi (binary, GAD≥10)
- PHQ (sum score of the PHQ-9 scale)
- depress (binary PHQ≥10)
- lonely (sum score of the UCLA-3 scale)
- support (sum score of perceived social support)
- BFI_n (sum score of the BFI-15, neuroticism)
- BFI_e (sum score of the BFI-15, extraversion)
- BFI_o (sum score of the BFI-15, openness to experience)
- BFI a (sum score of the BFI-15, agreeableness)
- BFI c (sum score of the BFI-15, conscientiousness)
- CAS (sum score of the Coronavirus Anxiety Scale)
- RES (sum score of the resilience scale)
- COP dis (Self-distraction (sum score of cop1 & cop19))
- COP act (Active coping (sum score of cop2 & cop7))
- COP den (Denial (sum score of cop3 & cop8))
- COP sub (Substance use (sum score of cop4 & cop11))
- COP emo (Emotional support (sum score of cop5 & cop15))
- COP_ins (Instrumental support (sum score of cop10 & cop23))
- COP beh (Behavioral disengagement (sum score of cop6 & cop16))
- COP_ven (Venting (sum score of cop9 & cop21))
- COP pos (Positive reframing (sum score of cop12 & cop17))
- COP pla (Planning (sum score of cop14 & cop25))
- COP hum (Humor (sum score of cop18 & cop28))
- COP acp (Acceptance (sum score of cop20 & cop24))
- COP rel (Religion (sum score of cop22 & cop27))
- COP sbm (Self-blame (sum score of cop13 & cop26))

3.4 Missing data

Our study required completion of every question on every page for participants to proceed, so there are generally no missing items in any measures. The exceptions to this are some of the revolving modules where particularly sensitive questions were made optional, and incomplete records, whereby people who started a weekly survey and then were unable to complete it for any reason did not provide data across all the measures.

References

- 1. Spitzer RL, Kroenke K, Williams JB, Löwe B. A brief measure for assessing generalized anxiety disorder: the GAD-7. *Arch Intern Med.* 2006;166(10):1092–1097.
- 2. Carver CS. You want to measure coping but your protocol is too long: Consider the brief cope. *Int J Behav Med.* 1997;4(1):92.
- 3. Cooper C, Katona C, Livingston G. Validity and Reliability of the Brief COPE in Carers of People With Dementia: The LASER-AD Study. *J Nerv Ment Dis*. 2008;196(11):838–843. doi:10.1097/NMD.0b013e31818b504c
- 4. Meyer B. Coping with Severe Mental Illness: Relations of the Brief COPE with Symptoms, Functioning, and Well-Being. *J Psychopathol Behav Assess*. 2001;23(4):265-277. doi:10.1023/A:1012731520781
- 5. Kapsou M, Panayiotou G, Kokkinos CM, Demetriou AG. Dimensionality of Coping: An Empirical Contribution to the Construct Validation of the Brief-COPE with a Greek-speaking Sample. *J Health Psychol*. 2010;15(2):215-229. doi:10.1177/1359105309346516
- 6. Lee SA. Coronavirus Anxiety Scale: A brief mental health screener for COVID-19 related anxiety. *Death Stud.* 2020;44(7):393–401.
- 7. Fancourt D, Garnett C, Spiro N, West R, Müllensiefen D. How do artistic creative activities regulate our emotions? Validation of the Emotion Regulation Strategies for Artistic Creative Activities Scale (ERS-ACA). *PLoS One*. 2019;14(2):e0211362.
- 8. Löwe B, Kroenke K, Herzog W, Gräfe K. Measuring depression outcome with a brief self-report instrument: sensitivity to change of the Patient Health Questionnaire (PHQ-9). *J Affect Disord*. 2004;81(1):61–66.
- 9. Kroenke K, Spitzer RL, Williams JB. The PHQ-9: validity of a brief depression severity measure. *J Gen Intern Med*. 2001;16(9):606–613.
- 10. Williams DR, Yu Y, Jackson JS, Anderson NB. Racial differences in physical and mental health: Socio-economic status, stress and discrimination. *J Health Psychol*. 1997;2(3):335–351.

- 11. Clark R, Coleman AP, Novak JD. Brief report: Initial psychometric properties of the everyday discrimination scale in black adolescents. *J Adolesc*. 2004;27(3):363-368. doi:10.1016/j.adolescence.2003.09.004
- 12. Davis MH. A multidimensional approach to individual differences in empathy. *Cat Sel Doc Psychol.* 1980;10:85.
- 13. Davis MH. Measuring individual differences in empathy: Evidence for a multidimensional approach. *J Pers Soc Psychol*. 1983;44(1):113.
- 14. Steptoe A, Breeze E, Banks J, Nazroo J. Cohort Profile: The English Longitudinal Study of Ageing. *Int J Epidemiol*. 2013;42(6):1640-1648. doi:10.1093/ije/dys168
- 15. Hirschman C, Almgren G. University of Washington Beyond High School (UW-BHS). Published online 2016. doi:10.3886/ICPSR33321.V5
- 16. Rotter JB. Generalized expectancies for internal versus external control of reinforcement. *Psychol Monogr Gen Appl.* 1966;80(1):1.
- 17. Russell D, Peplau LA, Cutrona CE. The revised UCLA Loneliness Scale: Concurrent and discriminant validity evidence. *J Pers Soc Psychol*. 1980;39(3):472-480. doi:10.1037/0022-3514.39.3.472
- 18. Mujahid MS, Diez Roux AV, Morenoff JD, Raghunathan T. Assessing the measurement properties of neighborhood scales: from psychometrics to ecometrics. *Am J Epidemiol*. 2007;165(8):858–867.
- 19. Scheier MF, Carver CS, Bridges MW. Distinguishing optimism from neuroticism (and trait anxiety, self-mastery, and self-esteem): a reevaluation of the Life Orientation Test. *J Pers Soc Psychol.* 1994;67(6):1063.
- 20. Glaesmer H, Rief W, Martin A, et al. Psychometric properties and population-based norms of the Life Orientation Test Revised (LOT-R). *Br J Health Psychol*. 2012;17(2):432-445. doi:10.1111/j.2044-8287.2011.02046.x
- 21. Soto CJ, John OP. The next Big Five Inventory (BFI-2): Developing and assessing a hierarchical model with 15 facets to enhance bandwidth, fidelity, and predictive power. *J Pers Soc Psychol*. 2017;113(1):117-143. doi:10.1037/pspp0000096
- 22. Phelps A, Marmot M, Oskala A, et al. English Longitudinal Study of Ageing: Waves 0-9, 1998-2019. Published online 2020. doi:10.5255/UKDA-SN-5050-18
- 23. Smith BW, Dalen J, Wiggins K, Tooley E, Christopher P, Bernard J. The brief resilience scale: Assessing the ability to bounce back. *Int J Behav Med*. 2008;15(3):194-200. doi:10.1080/10705500802222972
- 24. Dohmen T, Falk A, Huffman D, Sunde U, Schupp J, Wagner GG. Individual risk attitudes: Measurement, determinants, and behavioral consequences. *J Eur Econ Assoc*. 2011;9(3):522–550.

- 25. Kliem S, Mößle T, Rehbein F, Hellmann DF, Zenger M, Brähler E. A brief form of the Perceived Social Support Questionnaire (F-SozU) was developed, validated, and standardized. *J Clin Epidemiol*. 2015;68(5):551-562. doi:10.1016/j.jclinepi.2014.11.003
- 26. Lin M, Hirschfeld G, Margraf J. Brief form of the Perceived Social Support Questionnaire (F-SozU K-6): Validation, norms, and cross-cultural measurement invariance in the USA, Germany, Russia, and China. *Psychol Assess*. 2019;31(5):609-621. doi:10.1037/pas0000686
- 27. Martin LR, Petrie KJ. Understanding the Dimensions of Anti-Vaccination Attitudes: the Vaccination Attitudes Examination (VAX) Scale. *Ann Behav Med*. 2017;51(5):652-660. doi:10.1007/s12160-017-9888-y
- 28. Dolan P. Measuring Subjective Well-Being for Public Policy. Office for National Statistics; 2011.

Appendix

Data Dictionary

Section 1: Baseline Only

Variable name	Question/variable label	Choices/label values
sex	What is your gender?	1, Male 2, Female 3, Other / prefer not to say
ethnicity	What is your ethnicity?	1, Asian/Asian British - Indian, Pakistani, Bangladeshi, other 2, Black/Black British - Caribbean, African, other 3, Mixed race - White and Black/Black British 4, Mixed race - other 5, White - British, Irish, other 6, Chinese/Chinese British 7, Middle Eastern/Middle Eastern British - Arab, Turkish, other 8, Other ethnic group
marital	What is your relationship status?	9, Prefer not to say 1, Single, never married 2, Single, divorced or widowed 3, In a relationship/married but living apart 4, In a relationship/married and cohabiting

	education	Vhat is your highest level of educational attainment?	?
--	-----------	---	---

employment What is your employment status?

- 1, No qualifications
- 2, Completed GCSE/CSE/O-levels or equivalent (at school till aged 16)
- 3, Completed post-16 vocational course
- 4, A-levels or equivalent (at school till aged 18)
- 5, Undergraduate degree or professional qualification
- 6, Postgraduate degree
- 1, Still at school
- 2, At university
- 3, Self employed
- 4, In part-time employment
- 5, In full-time employment
- 6, Unable to work due to disability
- 7, Homemaker/full-time parent
- 8, Unemployed and seeking work
- 9, Retired

keyworker	Are you currently fulfilling any of the government's identified 'key worker' roles?	1, Health, social care or relevant related support worker 2, Teacher or childcare worker still travelling in to work 3, Transport worker still travelling in to work 4, Food chain worker (e.g. production, sale, delivery) 5, Key public services worker (e.g. justice staff, religious staff, public service journalist or mortuary worker) 6, Local or national government worker delivering essential public services 7, Utility worker (e.g. energy, sewerage, postal service) 8, Public safety or national security worker 9, Worker involved in medicines or protective equipment production or distribution 10, None of these
country	In which country do you currently live?	 England Wales Scotland Northern Ireland The USA Other
area	What type of area do you live in?	1, City 2, Large town 3, Small town 4, Village 5, Hamlet 6, Isolated dwelling

living	What type of place do you live?	 House Room(s) in shared house (e.g. as a lodger) Flat in flat block Student halls Residential home Other
ownership	Which describes the home you live in?	 Owned outright Owned with the help of a mortgage Shared ownership (part owned, part rented) Rented Living rent free A garden
garden	Do you have access to any the following where you live?	2, A balcony, small patio, or roof terrace 3, A park, wood, or other green space you can still access within easy walking distance of your home 4, none of the above
rooms	How many rooms are in your home? (not including any bathrooms or toilets. If you live in a shared house only count the rooms that are open to you to use. If you live in a block of flat, only count rooms your flat.)	1, 1 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 8, 8 9, 9 10, 10+
	How many adults are living WITH YOU in the household?	
houseadults	(Do not count yourself)	0, 0 1, 1 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 8, 8 9, 9 10, 10+
	"Household" means the people you immediately live with, e.g. in your flat or house. Don't count other people e.g. in your flat block.	

housechildren	How many children are living with you in the household?	0, 0 1, 1 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 8, 8 9, 9 10, 10+
	What is your usual total household income?	1, Less than £16,000 a year (£310 a week) 2, £16,000-£29,999 a year (£310 - £579 a week) 3, £30,000-£59,999 a year (£580 - £1149 a week)
income	"Household income" means the money brought in by you and/or your spouse and/or another adult you live with, with whom you share finances. Don't count income from anybody whose finances are independent of yours.	4, £60,000-89,999 a year (£1500 - £1729 a week 5, £90,000-119,999 a year (£1730 - £2299 a week) 6, More than £120,000 a year (£2300 a week) 7, Prefer not to say
illness	Do you have any of the following medical conditions?	1, High blood pressure 2, Diabetes 3, Heart disease 4, Lung disease (e.g. asthma or COPD) 5, Cancer 6, Another clinically-diagnosed chronic physical health condition 7, Clinically-diagnosed depression 8, Clinically-diagnosed anxiety 9, Another clinically-diagnosed mental health problem 12, A disability that affects my ability to leave the house 13, Any other disability 10, I am pregnant 11, None of the above

smoker	Do you smoke?	 non-smoker ex-smoker current light smoker (9 or less a day) current moderate smoker (10-19 a day) current heavy smoker (20+ a day)
alcohol	How many alcoholic drinks have you had in the past week (e.g. how many glasses of wine / pints of beer or cider / shots of spirits)?	0, 0 1, 1 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 8, 8 9, 9 10, 10 11, 11 12, 12 13, 13 14, 14 15, 15 16, 16 18, 18 19, 19 20, 20 21, 21+
exercise	How many days last week did you do moderate or vigorous physical activity (activity that raises your heart rate and makes you breathe faster and feel warmer) for 15 minutes or more?	0, 0 1, 1 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7
caring	Do you have caring responsibilities for any of the following? (tick any that apply)	 Elderly relatives or friends People with long-term conditions or disabilities Grandchildren
pets	Do you have any of the following pets? (tick any that apply)	1, Cat 2, Dog 3, Bird 4, Fish 5, Other
closefriends	How many close friends do you have?	0, 0 1, 1 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 8, 8 9, 9 10, 10+
socfreq	Usually in your life, how often do you meet up with people face to face socially, not for work (e.g. friends, family, relatives or social events with colleagues)?	 Every day Three or more times a week Once or twice a week

pers1	Your personality I see myself as someone who:worries a lot
pers2	Your personality I see myself as someone who:gets nervous easily
pers3	Your personality I see myself as someone who:remains calm in tense situations
pers4	Your personality I see myself as someone who:is talkative

- 1, Strongly disagree
- 2, Disagree
- 3, Somewhat disagree
- 4, Neither agree nor disagree
- 5, Somewhat agree
- 6, Agree
- 7, Strongly agree
- 1, Strongly disagree
- 2, Disagree
- 3, Somewhat disagree
- 4, Neither agree nor disagree
- 5, Somewhat agree
- 6, Agree
- 7, Strongly agree
- 1, Strongly disagree
- 2, Disagree
- 3, Somewhat disagree
- 4, Neither agree nor disagree
- 5, Somewhat agree
- 6, Agree
- 7, Strongly agree
- 1, Strongly disagree
- 2, Disagree
- 3, Somewhat disagree
- 4, Neither agree nor disagree
- 5, Somewhat agree
- 6, Agree
- 7, Strongly agree

pers5	I see myself as someone who:is outgoing, sociable
pers6	Your personality I see myself as someone who:is reserved
pers7	Your personality I see myself as someone who:is original, comes up with new ideas
pers_8	Your personality I see myself as someone who:values artistic, aesthetic experiences

Your personality

- 1, Strongly disagree
- 2, Disagree
- 3, Somewhat disagree
- 4, Neither agree nor disagree
- 5, Somewhat agree
- 6, Agree
- 7, Strongly agree
- 1, Strongly disagree
- 2, Disagree
- 3, Somewhat disagree
- 4, Neither agree nor disagree
- 5, Somewhat agree
- 6, Agree
- 7, Strongly agree
- 1, Strongly disagree
- 2, Disagree
- 3, Somewhat disagree
- 4, Neither agree nor disagree
- 5, Somewhat agree
- 6, Agree
- 7, Strongly agree
- 1, Strongly disagree
- 2, Disagree
- 3, Somewhat disagree
- 4, Neither agree nor disagree
- 5, Somewhat agree
- 6, Agree
- 7, Strongly agree

pers_9	Your personality I see myself as someone who:has an active imagination
pers_10	Your personality I see myself as someone who:is sometimes rude to others
pers_11	Your personality I see myself as someone who:has a forgiving nature
pers_12	Your personality I see myself as someone who:is considerate and kind to almost everyone

- 1, Strongly disagree
- 2, Disagree
- 3, Somewhat disagree
- 4, Neither agree nor disagree
- 5, Somewhat agree
- 6, Agree
- 7, Strongly agree
- 1, Strongly disagree
- 2, Disagree
- 3, Somewhat disagree
- 4, Neither agree nor disagree
- 5, Somewhat agree
- 6, Agree
- 7, Strongly agree
- 1, Strongly disagree
- 2, Disagree
- 3, Somewhat disagree
- 4, Neither agree nor disagree
- 5, Somewhat agree
- 6, Agree
- 7, Strongly agree
- 1, Strongly disagree
- 2, Disagree
- 3, Somewhat disagree
- 4, Neither agree nor disagree
- 5, Somewhat agree
- 6, Agree
- 7, Strongly agree

pers_13	Your personality I see myself as someone who:does a thorough job	 Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree
pers_14	Your personality I see myself as someone who:tends to be lazy	 Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree
pers_15	Your personality I see myself as someone who:does things efficiently	1, Strongly disagree 2, Disagree 3, Somewhat disagree 4, Neither agree nor disagree 5, Somewhat agree 6, Agree 7, Strongly agree

Section 2: Questions asked weekly

Variable name	Question/variable label	Choices/label values
covid	Have you had Covid-19 (coronavirus)? (21/03/2020-11/09/2020)	 Yes diagnosed and recovered Yes diagnosed and still ill Not formally diagnosed but suspected Not that I know of / No
covidtest	Overall, do you believe you have ever had Covid-19? (24/08/2020-29/09/2020)	1, Yes, confirmed by a positive Covid-19 test at the time I felt ill 2, Yes, confirmed by a positive antibody test since that shows I have the antibodies to the virus 3, Yes, suspected by a doctor but not tested 4, Yes, my own suspicions 5, No, not that I know of
covidw	In the past month, have you had Covid-19 (coronavirus)? (24/08/2020-)	 Yes diagnosed and recovered Yes diagnosed and still ill Not formally diagnosed but suspected Not that I know of / No
covidcontact	In the last week, do you believe you have come into CLOSE CONTACT with somebody who has Covid-19 (e.g. living with, hugging, shaking hands with, or spending more than 15 minutes with)?	1, No 2, Yes 3, Unsure
isolationstatus	What is your current isolation status? (tick any that apply) By "staying at home" we mean avoiding leaving the house for everything apart from exercise, shopping for essentials, or medical need. By "self-isolating" we mean staying at home and avoiding contact with any people inside or outside the household.	1, I am living my life as normal 2, I am not "staying at home", but I have cut down on my usual activities as a precaution 3, I am not "staying at home" specifically, but I have stopped going to work like normal and am working from home 6, I am "staying at home" because I have an existing medical condition or am categorised

- 4, I am "staying at home" as I am worried about spreading it to others or getting ill (but I am not high risk)
- 5, I am "staying at home" to protect a family member, friend or housemate who has an existing medical condition / is high risk
- 8, I am "staying at home" as it has been ordered by the government or local authority as part of a lock down
- 9, I am "staying at home" but this is NOT because of Covid-19 but because of another reason e.g. a pre-existing health condition or disability
- 7, I am "self-isolating" (avoiding contact with all people as much as I can) due to a diagnosis of Covid-19 or possible infection

isolation_new

What is your current isolation status?

- 1, I am in full isolation, not leaving my home at all
- 2, I am staying at home, only leaving for exercise, food shopping, accessing medication, or essential activity permitted by government guidelines
- 3, I am staying at home, only leaving for exercise, food shopping or accessing medication AND work OR other essential task (e.g. volunteering)
- 4, I am NOT following the stay-at-home recommendations but am adhering to social distancing when in public (e.g. staying 2m away from others)
- 5, I am NOT following the stay-at-home recommendations or social distancing when I am out
- 6, I am leaving the house for more reasons than those listed above but am adhering to social distancing in public (e.g. staying 2m away from others)
- 7, I am leaving the house for more reasons than those listed above and am NOT adhering to social distancing in public (e.g. staying 2m away from others)

leavinghome	In the past week, which of these have you left your home for? [NB some of these activities may not yet be allowed in different UK nations]	 Exercise Buying food or medication Other shopping Other errands (e.g. taking a child to school) Work Other essential task (e.g. volunteering) Visiting people in a support bubble Meeting up with friends or family (not in a support bubble) Going out for meals or entertainment Day trip or other outing Other reason I am not leaving my home
isolation_reason	What are the motivations for your current isolation status above? (please tick all that apply)	1, I am worried about catching Covid-19 and I have an existing medical condition or am categorised as high risk 2, I am worried about catching Covid-19 but am not high risk 3, I wish to protect/shield a family member/friend who is high risk 4, I am worried about spreading Covid-19 to others 5, It has been ordered by the government (e.g. as part of lockdown) 6, Another reason not relating to Covid-19 (e.g. maternity leave, pre-existing illness, or disability) 7, None of the above

life_diff	How different has life been for you in the past week compared to life before Covid- 19?	 Entirely the same as usual Only a little different Quite a few differences Lots of differences Completely different
daysisolating	In the past 7 days, how many days have you: not left the house or garden?	0, 0 1, 1 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7
daysoutside	In the past 7 days, how many days have you: been outside for 15 minutes or more (including on a balcony or in the garden)?	0, 0 1, 1 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7
daysface	In the past 7 days, how many days have you: had face-to-face contact with another person for 15 minutes or more (including someone you live with)?	0, 0 1, 1 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7
dayscall	In the past 7 days, how many days have you: had a phone or video call with another person for 15 minutes or more?	0, 0 1, 1 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7
sleep	Over the past week, how has your sleep been?	 Very good Good Average Not good Very poor
smokechange	Over the past week have you smoked more than usual?	 Less than usual About the same More than usual I don't smoke
alcoholchange	Over the past week have you drunk alcohol more than usual?	 Less than usual About the same More than usual I don't drink alcohol
foodchange_2	Over the past week have you eaten more than usual?	 Less than usual About the same More than usual
dietchange_3	Over the past week how has your diet been?	 Less healthy than usual About the same healthiness as usual More healthy than usual

onssat	Overall, in the past week, how satisfied have you been with your life?	0, 0 - not at all 1, 1 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 8, 8 9, 9 10, 10 - completely
onsworth	In the past week, to what extent have you felt the things you are doing in your life are worthwhile?	0, 0 - not at all 1, 1 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 8, 8 9, 9 10, 10 - completely
onshappy	In the past week, how happy did you feel?	0, 0 - not at all 1, 1 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 8, 8 9, 9 10, 10 - completely
covidknowledge	How would you rate your knowledge level on Covid-19?	1, 1 - very poor knowledge 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 - very good knowledge
followingisolation	Are you following the recommendations from authorities to prevent spread of Covid-19?	1, 1 - not at all 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 - very much so
confidencegov	How much confidence do you have in the UK GOVERNMENT that they can handle Covid-19 well?	1, 1 - None at all 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 - Lots
	If you live in a devolved nation, we ask you to focus on the government within your country (e.g. the Scottish government / Welsh government / Northern Ireland Executive)	
confidencegov_central	How much confidence do you have in the CENTRAL UK GOVERNMENT that they can handle Covid-19 well? [Please answer this question about the government in Westminster, even if you live in a devolved nation]	1, 1 - None at all 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 - Lots
confidencegov_devolved	If you live in a DEVOLVED NATION (i.e. Scotland, Wales or NI), how much confidence do you have in the government WITHIN YOUR OWN COUNTRY that they can handle Covid-19 well? (e.g. the Scottish government / Welsh government / Northern Ireland Executive) [NB you have already told us which country you live in]	1, 1 - None at all 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 – Lots 8, Not applicable - I live in England

confidencehealth	How much confidence do you have that the UK HEALTH SERVICE can cope during Covid-19? If you live in a devolved nation, we ask you to focus on the health service within your country (e.g. NHS Health Scotland / NHS Wales / HSCNI)	1, 1 - None at all 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 - Lots
confidenceessent	How much confidence do you have that ESSENTIALS (e.g. access to food, water, medicines, deliveries) will be maintained during Covid-19?	1, 1 - None at all 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 - Lots
adverse	Have you experienced any of the following in the past week?	1, Lost your job / been unable to do paid work 2, Your spouse/partner lost their job or was unable to do paid work 10, Major cut in household income (e.g. due to you or your partner being furloughed / put on leave / not receiving sufficient work) 3, Unable to pay bills / rent / mortgage 4, Evicted / lost accommodation 5, Unable to access sufficient food 6, Unable to access required medication 7, Somebody close to you is ill in hospital (due to Covid-19 or another illness) 8, You lost somebody close to you (due to Covid-19 or another cause) 9, None of the above
phq1	Over the last week, how often have been bothered by:	1, Not at all 2, One or two days
	Little interest or pleasure in doing things	3, More than half the days4, Nearly every day

phq2	Over the last week, how often have been bothered by: Feeling down, depressed, or hopeless	 Not at all One or two days More than half the days Nearly every day
phq3	Over the last week, how often have been bothered by: Trouble falling/staying asleep, sleeping too much	 Not at all One or two days More than half the days Nearly every day
phq4	Over the last week, how often have been bothered by: Feeling tired or having little energy	 Not at all One or two days More than half the days Nearly every day
phq5	Over the last week, how often have been bothered by: Poor appetite or overeating	 Not at all One or two days More than half the days Nearly every day
phq6	Over the last week, how often have been bothered by: Feeling bad about yourself or that you are a failure or have let yourself or your family down	 Not at all One or two days More than half the days Nearly every day
phq7	Over the last week, how often have been bothered by: Trouble concentrating on things, such as reading the newspaper or watching television	 Not at all One or two days More than half the days Nearly every day
phq8	Over the last week, how often have been bothered by: Moving or speaking so slowly that other people could have noticed. Or the opposite; being so fidgety or restless that you have been moving around a lot more than usual	 Not at all One or two days More than half the days Nearly every day

phq9	Over the last week, how often have been bothered by: Thoughts that you would be better off dead or of hurting yourself in some way	 Not at all One or two days More than half the days Nearly every day
harm1	Over the last week, how often have been bothered by:	1, Not at all 2, One or two days
	Self-harming or deliberately hurting yourself	3, More than half the days4, Nearly every day
harm2	Over the last week, how often have been bothered by:	1, Not at all 2, One or two days
	Being physically harmed or hurt by somebody else	3, More than half the days4, Nearly every day
harm3	Over the last week, how often have been bothered by:	1, Not at all 2, One or two days
	Being bullied, controlled, intimidated or psychologically hurt by someone else	3, More than half the days4, Nearly every day
phqextra	If you checked off any of these problems, how difficult have these problems made it for you to do your work, take care of things at home, or get along with other people?	 Not difficult at all Somewhat difficult Very difficult Extremely difficult Not applicable

stressorsminor

Over the past week, have any of the following been worrying you at all, even if only in a minor way?

(Tick any that apply)

- 1, Marriage or other romantic relationship
- 2, Friends or family living in your household
- 3, Friends or family living outside your household
- 4, Neighbours
- 5, Your pet
- 6, Work (even if you feel your job is safe)
- 7, Losing your job / unemployment
- 8, Finances
- 9, Getting medication
- 10, Getting food
- 11, Your own safety / security
- 12, Internet access
- 13, Boredom
- 14, Future plans
- 15, Catching Covid-19
- 16, Becoming seriously ill from Covid-19
- 17, None of these
- 18, Brexit or the impact Brexit could have on your life (added on 23/12/2020)

stressorsmajor	Have any of these things been causing you SIGNIFICANT stress?	1, Marriage or other romantic relationship 2, Friends or family living in your household
	(e.g. they have been constantly on your mind or have been keeping you awake at night)	3, Friends or family living outside your household
	(Tick any that apply)	4, Neighbours 5, Your pet 6, Work (even if you feel your job is safe) 7, Losing your job / unemployment
		8, Finances 9, Getting medication
		10, Getting food11, Your own safety / security12, Internet access
		13, Boredom 14, Future plans 15, Catching Covid-19
		16, Becoming seriously ill from Covid-19 17, None of these 18, Brexit or the impact Brexit could have on your life (added on 23/12/2020)
gad1	Over the last week, how often have been bothered by:	1, Not at all 2, One or two days
	Feeling nervous, anxious or on edge	3, More than half the days 4, Nearly every day
gad2	Over the last week, how often have been bothered by:	1, Not at all 2, One or two days
	Not being able to stop or control worrying	3, More than half the days 4, Nearly every day
gad3	Over the last week, how often have been bothered by:	1, Not at all 2, One or two days
	Worrying too much about different things	3, More than half the days 4, Nearly every day

gad4	Over the last week, how often have been bothered by:	1, Not at all 2, One or two days
	Trouble relaxing	 More than half the days Nearly every day
gad5	Over the last week, how often have been bothered by:	1, Not at all 2, One or two days
	Being so restless that it is hard to sit still	3, More than half the days 4, Nearly every day
gad6	Over the last week, how often have been bothered by:	1, Not at all 2, One or two days
	Becoming easily annoyed or irritable	3, More than half the days 4, Nearly every day
gad7	Over the last week, how often have been bothered by:	1, Not at all 2, One or two days
	Feeling afraid as if something awful might happen	3, More than half the days 4, Nearly every day

treatment	In the past week have you done any of the following to support your mental health? (Tick any that apply)	1, Taken medication (e.g. anti-depressants) 2, Spoken with a psychiatrist, psychologist or other mental health professional 3, Spoken with a GP or other healthcare professional about your mental health 4, Spoken to somebody on a support helpline (e.g. Samaritans or NHS Volunteers) 5, Accessed an online mental health programme (e.g. CBT) 6, Spoken with others on an online mental health forum 7, Used other mental health resources (e.g. self-help books, videos, or apps) 8, Spent time on self-care specifically to help your mental health (e.g. mindfulness, meditation, or planning time for hobbies or relaxation) 9, Spoken about your mental health to a friend or family member 0, None of the above

supp1	In the past week, I feel: I have experienced a lot of understanding and support from others	1, 1 - not at all true 2, 2 3, 3 4, 4 5, 5 - very true
supp2	In the past week, I feel: I have a very close person whose help I can always count on	1, 1 - not at all true 2, 2 3, 3 4, 4 5, 5 - very true
supp3	In the past week, I feel: If necessary, I can easily borrow something I need from neighbours or friends	1, 1 - not at all true 2, 2 3, 3 4, 4 5, 5 - very true
supp4	In the past week, I feel: I have people with whom I can spend time and do things together	1, 1 - not at all true 2, 2 3, 3 4, 4 5, 5 - very true
supp5	In the past week, I feel: If I get sick, I have friends and family who will take care of me	1, 1 - not at all true 2, 2 3, 3 4, 4 5, 5 - very true

supp6	In the past week, I feel: If I am feeling down, I have people I can talk to without hesitation	1, 1 - not at all true 2, 2 3, 3 4, 4 5, 5 - very true
soc1	How often do you feel that you lack companionship	 Hardly ever Some of the time Often
soc2	How often do you feel left out	 Hardly ever Some of the time Often
soc3	How often do you feel isolated from others	 Hardly ever Some of the time Often
soc4	How often do you feel lonely	1, Hardly ever2, Some of the time3, Often

This is the LAST QUESTION and asks about how long you've spent doing different activities.

Please answer the questions below FOCUSING ON A SINGLE DAY. This day should be THE LAST WEEK DAY (i.e. Monday to Friday). This may be YESTERDAY, or it may be before the weekend.

acta1	Phoning or video talking with colleagues whilst working remotely	0, Did not do
		1, < 30 mins
		2, 30 mins-2 hours
		3, 3-5 hours
		4, 6-+ hours
acta2	Undertaking other work remotely	0, Did not do
		1, < 30 mins
		2, 30 mins-2 hours
		3, 3-5 hours
		4, 6-+ hours

acta3	Going to work outside of the house (e.g. to the office)	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
acta4	Phoning or video talking with friends or family	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
acta5	Communicating with friends or family via email, whatsapp, text or other messaging service	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
acta6	Receiving visits from friends, neighbours, family or carers	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
acta7	Caring for a friend or relative	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
acta8	Volunteering	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours

actb1	Going out of the house to meet friends, neighbours or family	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
actb2	Going out of the house to go shopping	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
actb3	Going out for a walk or other gentle physical activity	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
actb4	Going out for moderate or high intensity activity (e.g. running, cycling or swimming)	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
actb5	Going out of the house to engage in a community group	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
actb6	Exercising inside your home or garden (e.g. doing yoga, weights or indoor exercise)	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours

actb7	Gardening	0, Did not do 1, < 30 mins
		2, 30 mins-2 hours
		3, 3-5 hours
		4, 6-+ hours
actb8	Looking after pets	0, Did not do
		1, < 30 mins
		2, 30 mins-2 hours
		3, 3-5 hours
		4, 6-+ hours
actc1	Taking naps during the day	0, Did not do
		1, < 30 mins
		2, 30 mins-2 hours
		3, 3-5 hours
		4, 6-+ hours
actc2	Household chores (cooking, cleaning, ironing, tidying, online shopping etc)	0, Did not do
		1, < 30 mins
		2, 30 mins-2 hours
		3, 3-5 hours
		4, 6-+ hours
actc3	Caring for children (e.g. bathing, feeding, doing homework with etc)	0, Did not do
		1, < 30 mins
		2, 30 mins-2 hours
		3, 3-5 hours
		4, 6-+ hours
actc4	Playing with children (e.g. general play or board games or card games)	0, Did not do
		1, < 30 mins
		2, 30 mins-2 hours
		3, 3-5 hours
		4, 6-+ hours
		•

actc5	Playing cards or board games with adults	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
actc6	Playing video or computer games alone, or with adults or children	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
actc7	Watching the news, listening to the radio or browsing the internet for information about Covid-19	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
actc8	Tweeting, blogging or posting content online about Covid-19	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
actd0	Watching TV, films, Netflix etc (NOT for information on Covid-19)	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
actd1	Listening to the radio or music (NOT for information on Covid-19)	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours

actd2	Browsing the internet (NOT for information on Covid-19)	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
actd3	Tweeting, blogging or posting content (NOT related to Covid-19)	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
actd4	Reading for pleasure	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
actd5	Engaging in a home-based arts or crafts activity (e.g. painting, creative writing, sewing, playing music, etc)	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
actd6	Engaging in a digital arts activity (e.g. streaming a concert, virtual tour of a museum etc)	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
actd7	Doing DIY, woodwork, metal work, model making or similar	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours

actd8	Doing mindfulness or meditation	0, Did not do1, < 30 mins2, 30 mins-2 hours3, 3-5 hours4, 6-+ hours
actd11	Praying	 0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
actd9	Another hobby not already mentioned	0, Did not do1, < 30 mins2, 30 mins-2 hours3, 3-5 hours4, 6-+ hours
actd10	Procrastinating or not doing anything in particular	0, Did not do 1, < 30 mins 2, 30 mins-2 hours 3, 3-5 hours 4, 6-+ hours
socdist	When you go out or meet with others have you been maintaining social distancing?	1, Yes, completely 2, Yes, to a large extent 3, Not always 4, Not at all 0, Not applicable - I have not met with others or left my home in the last week

timeuse1	Work	1, Less than during lockdown in April/May 2, About the same as lockdown in April/May 3, More than during lockdown in April/May 4, Not applicable / I never do this activity
timeuse2	Exercise	 Less than during lockdown in April/May About the same as lockdown in April/May More than during lockdown in April/May Not applicable / I never do this activity
timeuse3	Spending time face-to-face with family and friends	 Less than during lockdown in April/May About the same as lockdown in April/May More than during lockdown in April/May Not applicable / I never do this activity
timeuse4	Spending time communicating digitally with family and friends	 Less than during lockdown in April/May About the same as lockdown in April/May More than during lockdown in April/May Not applicable / I never do this activity
timeuse5	Going out to shops, restaurants, cafes, community venues etc.	 Less than during lockdown in April/May About the same as lockdown in April/May More than during lockdown in April/May Not applicable / I never do this activity
timeuse6	Reading for pleasure	 Less than during lockdown in April/May About the same as lockdown in April/May More than during lockdown in April/May Not applicable / I never do this activity

timeuse7	Listening to music	 Less than during lockdown in April/May About the same as lockdown in April/May More than during lockdown in April/May Not applicable / I never do this activity
timeuse8	Arts and crafts activities	 Less than during lockdown in April/May About the same as lockdown in April/May More than during lockdown in April/May Not applicable / I never do this activity
timeuse9	Other hobbies	 Less than during lockdown in April/May About the same as lockdown in April/May More than during lockdown in April/May Not applicable / I never do this activity
timeuse10	Childcare	 Less than during lockdown in April/May About the same as lockdown in April/May More than during lockdown in April/May Not applicable / I never do this activity
timeuse11	Following the news on Covid-19 (radio, print, TV, internet etc)	 Less than during lockdown in April/May About the same as lockdown in April/May More than during lockdown in April/May Not applicable / I never do this activity
timeuse12	Watching TV, streaming films or gaming	 Less than during lockdown in April/May About the same as lockdown in April/May More than during lockdown in April/May Not applicable / I never do this activity

timeuse13	Housework / DIY	 Less than during lockdown in April/May About the same as lockdown in April/May More than during lockdown in April/May Not applicable / I never do this activity
timeuse14	Volunteering	 Less than during lockdown in April/May About the same as lockdown in April/May More than during lockdown in April/May Not applicable / I never do this activity
tier	If you live in England or Scotland, what is the level of coronavirus restrictions in the area where you are currently living?	1, England - Tier 1 (medium) 2, England - Tier 2 (high) 3, England - Tier 3 (very high) 4, I live in England but I don't know 5, I don't live in England 6, Scotland - Tier 0 (nearly normal) 7, Scotland - Tier 1 (medium) 8, Scotland - Tier 2 (high) 9, Scotland - Tier 3 (very high)
		10, Scotland - Tier 4 (lockdown)11, I live in Scotland but I don't know12, I don't live in England or Scotland40, England - Tier 4 (highest) (added on 20/12/2020)

Section 3: Extra Modules

Volunteering module

vol1	Home-schooling child in your household	1, None
		2, A few days
		3, Once or twice a week
		4, Most days
		5, Every day
vol2	Volunteering with childcare for a friend, relative or neighbours	1, None
		2, A few days
		3, Once or twice a week
		4, Most days
		5, Every day
vol3	Running errands for friends, relatives or neighbours (e.g. collecting shopping,	1, None
	medication etc)	2, A few days
		3, Once or twice a week
		4, Most days
		5, Every day
vol4	Making meals for friends, relatives or neighbours	1, None
		2, A few days
		3, Once or twice a week
		4, Most days
		5, Every day
vol5	Volunteering with deliveries or providing lifts to NHS staff	1, None
		2, A few days
		3, Once or twice a week
		4, Most days
		5, Every day

vol6	Volunteering at a hospital, care home, or other healthcare facility	 None A few days Once or twice a week Most days Every day
vol7	Volunteering taking part in research (other than this study)	 None A few days Once or twice a week Most days Every day
vol8	Offering telephone support to others through a support line (e.g. Samaritans or GoodSam)	 None A few days Once or twice a week Most days Every day
vol9	Knitting, sewing or other crafts to support people during Covid-19 (e.g. scrubs for nurses)	 None A few days Once or twice a week Most days Every day
vol10	Providing free accommodation to people affected by Covid-19 (e.g. NHS staff or people who are homeless)	 None A few days Once or twice a week Most days Every day
vol11	Donating money to charities supporting Covid-19	 None A few days Once or twice a week Most days Every day

vol12	Providing entertainment to others (e.g. via social media or YouTube) to boost morale	 None A few days Once or twice a week Most days Every day
vol13	Providing pro-bono support to businesses or projects	 None A few days Once or twice a week Most days Every day
vol14	Other volunteering activity relating to Covid-19	 None A few days Once or twice a week Most days Every day
vol15	Other volunteering activity NOT relating to Covid-19	 None A few days Once or twice a week Most days Every day
volunteeramount	How does this amount of volunteering in the past month compare to your usual amount of volunteering?	1, Less than usual 2, About the same as usual 3, More than usual
Control, frustration	ns and expectations module	
control1	How much do you currently feel in control of these aspects of your life: Your finances	1, Not at all 2, Not very much 3, A little 4, Very much so 5, Entirely

control2	How much do you currently feel in control of these aspects of your life: Your work / employment / job	 Not at all Not very much A little Very much so Entirely
control3	How much do you currently feel in control of these aspects of your life: Your physical health	 Not at all Not very much A little Very much so Entirely
control8	How much do you currently feel in control of these aspects of your life: Your mental health	 Not at all Not very much A little Very much so Entirely
control4	How much do you currently feel in control of these aspects of your life: Your marriage or close relationship	 Not at all Not very much A little Very much so Entirely
control5	How much do you currently feel in control of these aspects of your life: Your relationship with your family	 Not at all Not very much A little Very much so Entirely
control6	How much do you currently feel in control of these aspects of your life: Your contribution to the welfare and wellbeing of others	 Not at all Not very much A little Very much so Entirely

control7	How much do you currently feel in control of these aspects of your life: Your future plans	 Not at all Not very much A little Very much so Entirely
missing_minor	Are you currently missing any of the following aspects of normal life at all (even if only in a minor way)?	1, Meeting up with family 2, Meeting up with friends 3, Going out for coffees or drinks 4, Going out for meals 5, Going on holiday 6, Going to cultural venues (e.g. libraries/cinema/theatre/museum) 7, Taking part in community groups (e.g. arts or social groups) 8, Doing regular volunteering activities 9, Spending time in nature 10, Going to the gym or other exercise 11, Going to the office 12, Having time on your own 13, None of the above

missing_major	Are you currently missing any of the following aspects of normal life in a MAJOR way? (E.g. you find yourself regularly wishing you could do these things)	1, Meeting up with family 2, Meeting up with friends 3, Going out for coffees or drinks 4, Going out for meals 5, Going on holiday 6, Going to cultural venues (e.g. libraries/cinema/theatre/museum) 7, Taking part in community groups (e.g. arts or social groups) 8, Doing regular volunteering activities 9, Spending time in nature 10, Going to the gym or other exercise 11, Going to the office 12, Having time on your own 13, None of the above
afterlockdown	Are you worried about any of the following happening within society when lockdown ends or eases? (tick any that apply)	 Cases of Covid-19 increasing Hospitals becoming overwhelmed People not adhering to social distancing (e.g. staying 2m apart) Unemployment levels rising Crime levels rising Recession Pollution increasing Decreasing social cohesion / increasing social discontent None of the above

Coping module

How have you been coping during lockdown?

cop1	I have been turning to work or other activities to take my mind off things	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop2	I've been concentrating my efforts on doing something about the situation I'm in	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop3	I've been saying to myself "this isn't real"	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop4	I've been using alcohol or other drugs to make myself feel better	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop5	I've been getting emotional support from others	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop6	I've been giving up trying to deal with it	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop7	I've been taking action to try to make the situation better	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot

cop8	I've been refusing to believe that it has happened	2, I've been doing this a little bit3, I've been doing this a medium amount4, I've been doing this a lot
cop9	I've been saying things to let my unpleasant feeling escape	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop10	I've been getting help and advice from other people	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop11	I've been using alcohol or other drugs to help me get through it	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop12	I've been trying to see it in a different light, to make it seem more positive	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop13	I've been criticising myself	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop14	I've been trying to come up with a strategy about what to do	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop15	I've been getting comfort and understanding from someone	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot

1, I haven't been doing this at all

cop16	I've been giving up the attempt to cope	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop17	I've been looking for something good in what is happening	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop18	I've been making jokes about it	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop19	I've been doing something to think about it less such as watching TV, reading, daydreaming, sleeping, or internet shopping	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop20	I've been accepting the reality of the fact that it has happened	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop21	I've been expressing my negative feelings	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop22	I've been trying to find comfort in my religion or spiritual beliefs	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot
cop23	I've been trying to get advice or help from other people about what to do	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot

cop24	I've been learning to live with it	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot 	
cop25	I've been thinking hard about what steps to take	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot 	
cop26	I've been blaming myself for things that happened	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot 	
cop27	I've been praying or meditating	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot 	
cop28	I've been making fun of the situation	 I haven't been doing this at all I've been doing this a little bit I've been doing this a medium amount I've been doing this a lot 	
Fears and resilience module			
cas1	How often have you experienced the following activities over the last 2 weeks? I felt dizzy, lightheaded, or faint, when I read or listened to news about the coronavirus	 Not at all Rarely less than a day or two Several days More than 7 days Nearly every day over the last 2 weeks 	

cas2	How often have you experienced the following activities over the last 2 weeks? I had trouble falling or staying asleep because I was thinking about the coronavirus	 Not at all Rarely less than a day or two Several days More than 7 days Nearly every day over the last 2 weeks
cas3	How often have you experienced the following activities over the last 2 weeks? I felt paralyzed or frozen when I thought about or was exposed to information about the coronavirus	 Not at all Rarely less than a day or two Several days More than 7 days Nearly every day over the last 2 weeks
cas4	How often have you experienced the following activities over the last 2 weeks? I lost interest in eating when I thought about or was exposed to information about the coronavirus	 Not at all Rarely less than a day or two Several days More than 7 days Nearly every day over the last 2 weeks
cas5	How often have you experienced the following activities over the last 2 weeks? I felt nauseous or had stomach problems when I thought about or was exposed to information about the coronavirus	 Not at all Rarely less than a day or two Several days More than 7 days Nearly every day over the last 2 weeks
res1	How would you describe yourself? I tend to bounce back quickly after hard times	 Strongly disagree Disagree Neutral Agree Strongly agree
res2	How would you describe yourself? I have a hard time making it through stressful events	 Strongly disagree Disagree Neutral Agree Strongly agree

res3	How would you describe yourself? It does not take me long to recover from a stressful event	 Strongly disagree Disagree Neutral Agree Strongly agree
res4	How would you describe yourself? It is hard for me to snap back when something bad happens	 Strongly disagree Disagree Neutral Agree Strongly agree
res5	How would you describe yourself? I usually come through difficult times with little trouble	 Strongly disagree Disagree Neutral Agree Strongly agree
res6	How would you describe yourself? I tend to take a long time to get over set-backs in my life	1, Strongly disagree 2, Disagree 3, Neutral 4, Agree 5, Strongly agree
Creative activities		
art1	In the past week, how many days have you been engaging in the following creative activities for leisure? Singing	1, Not at all 2, A few days 3, Once or twice a week 4, Most days 5, Every day

art2	In the past week, how many days have you been engaging in the following creative activities for leisure? Playing a musical instrument	 Not at all A few days Once or twice a week Most days Every day
art3	In the past week, how many days have you been engaging in the following creative activities for leisure? Painting, drawing, printmaking or sculpture	 Not at all A few days Once or twice a week Most days Every day
art4	In the past week, how many days have you been engaging in the following creative activities for leisure? Reading books, stories or poetry	 Not at all A few days Once or twice a week Most days Every day
art5	In the past week, how many days have you been engaging in the following creative activities for leisure? Textile crafts e.g. embroidery, crocheting or knitting	 Not at all A few days Once or twice a week Most days Every day
art6	In the past week, how many days have you been engaging in the following creative activities for leisure? Wood crafts e.g. carving or furniture making	 Not at all A few days Once or twice a week Most days Every day
art7	In the past week, how many days have you been engaging in the following creative activities for leisure? Other crafts e.g. pottery, calligraphy or jewellery making	 Not at all A few days Once or twice a week Most days Every day

art8	In the past week, how many days have you been engaging in the following creative activities for leisure? Creative writing	 Not at all A few days Once or twice a week Most days Every day
art9	In the past week, how many days have you been engaging in the following creative activities for leisure? Dancing	 Not at all A few days Once or twice a week Most days Every day
art10	In the past week, how many days have you been engaging in the following creative activities for leisure? Photography	 Not at all A few days Once or twice a week Most days Every day
art11	In the past week, how many days have you been engaging in the following creative activities for leisure? Creating digital artworks or animations	 Not at all A few days Once or twice a week Most days Every day
art12	In the past week, how many days have you been engaging in the following creative activities for leisure? Making films or videos	 Not at all A few days Once or twice a week Most days Every day
art13	In the past week, how many days have you been engaging in the following creative activities for leisure? Listening to music	 Not at all A few days Once or twice a week Most days Every day

art14	In the past week, how many days have you been engaging in the following creative activities for leisure? Other creative activity	 Not at all A few days Once or twice a week Most days Every day
artscomp	How does this compare to your usual arts engagement not in lockdown?	 Less than usual About the same as usual More than usual
ersaca1	When you are engaging in these activities, how much do you agree with the statements below: I can block out any unwanted thoughts or feelings	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree
ersaca2	When you are engaging in these activities, how much do you agree with the statements below: I can contemplate what is going on in my life with a clear mind	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree
ersaca3	When you are engaging in these activities, how much do you agree with the statements below: I can shake off any anxieties in my life	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree
ersaca4	When you are engaging in these activities, how much do you agree with the statements below: I feel I am in my own little bubble, away from ordinary worries	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree

ersaca5	When you are engaging in these activities, how much do you agree with the statements below: I feel more confident in myself	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree
ersaca6	When you are engaging in these activities, how much do you agree with the statements below: It boosts my self-esteem	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree
ersaca7	When you are engaging in these activities, how much do you agree with the statements below: It gives me a sense of purpose	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree
ersaca8	When you are engaging in these activities, how much do you agree with the statements below: It helps me forget about my worries	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree
ersaca9	When you are engaging in these activities, how much do you agree with the statements below: It helps me refocus on what matter in my life	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree
ersaca10	When you are engaging in these activities, how much do you agree with the statements below: It helps me to come to terms with my own emotions	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree

ersaca11	When you are engaging in these activities, how much do you agree with the statements below: It helps me to disengage from things that are bothering me	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree
ersaca12	When you are engaging in these activities, how much do you agree with the statements below: It helps me to put worries or problems I have in perspective	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree
ersaca13	When you are engaging in these activities, how much do you agree with the statements below: It helps me to understand my own feelings on things that are on my mind	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree
ersaca14	When you are engaging in these activities, how much do you agree with the statements below: It makes me feel detached from negative things in my life	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree
ersaca15	When you are engaging in these activities, how much do you agree with the statements below: It makes me feel stronger in myself	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree
ersaca16	When you are engaging in these activities, how much do you agree with the statements below: It makes me reflect on my emotions	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree

ersaca17	When you are engaging in these activities, how much do you agree with the statements below: It reaffirms my identity	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree
ersaca18	When you are engaging in these activities, how much do you agree with the statements below: It redirects my attention so I forget unwanted thoughts and feelings	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly agree

Life events module

In the 12 months prior to lockdown (March 2019 to March 2020), did any of the events below happen to you? If yes, please indicate to what extent you were distressed by it.

lifeevent1	Personal serious illness, injury or operation	 No, it didn't happen Yes, it upset me very much Yes, it upset me moderately Yes, but it didn't upset me
lifeevent2	Death of close relative or friend	 No, it didn't happen Yes, it upset me very much Yes, it upset me moderately Yes, but it didn't upset me
lifeevent3	Serious illness, injury or operation of a close relative or friend	 No, it didn't happen Yes, it upset me very much Yes, it upset me moderately Yes, but it didn't upset me

lifeevent4	Major financial difficulty	1, No, it didn't happen 2, Yes, it upset me very much 3, Yes, it upset me moderately 4, Yes, but it didn't upset me
lifeevent5	Divorce, separation or break-up of personal intimate relationship	1, No, it didn't happen 2, Yes, it upset me very much 3, Yes, it upset me moderately 4, Yes, but it didn't upset me
lifeevent6	Other marital or family problem	1, No, it didn't happen 2, Yes, it upset me very much 3, Yes, it upset me moderately 4, Yes, but it didn't upset me
lifeevent7	Breakdown of another relationship (e.g. with a friend or colleague)	1, No, it didn't happen 2, Yes, it upset me very much 3, Yes, it upset me moderately 4, Yes, but it didn't upset me
lifeevent8	Any mugging, robbery, accident or similar event	1, No, it didn't happen 2, Yes, it upset me very much 3, Yes, it upset me moderately 4, Yes, but it didn't upset me
lifeevent9	Change of job or start of new university course or training	1, No, it didn't happen 2, Yes, it upset me very much 3, Yes, it upset me moderately 4, Yes, but it didn't upset me

lifeevent10	Retirement	 No, it didn't happen Yes, it upset me very much Yes, it upset me moderately Yes, but it didn't upset me
lifeevent11	Moved house	 No, it didn't happen Yes, it upset me very much Yes, it upset me moderately Yes, but it didn't upset me
lifeevent12	Had a baby	 No, it didn't happen Yes, it upset me very much Yes, it upset me moderately Yes, but it didn't upset me
Optimism mode	ule do you agree with the statements below?	
rlo1	In uncertain times, I usually expect the best	 Strongly disagree Disagree Neutral Agree Strongly agree
rlo2	It's easy for me to relax	 Strongly disagree Disagree Neutral Agree Strongly agree

rlo3	If something can go wrong for me, it will
rlo4	I'm always optimistic about my future
rlo5	I enjoy my friends a lot
rlo6	It's important for me to keep busy
rlo7	I hardly ever expect things to go my way
rlo8	I don't get upset too easily

- 1, Strongly disagree
- 2, Disagree
- 3, Neutral
- 4, Agree
- 5, Strongly agree
- 1, Strongly disagree
- 2, Disagree
- 3, Neutral
- 4, Agree
- 5, Strongly agree
- 1, Strongly disagree
- 2, Disagree
- 3, Neutral
- 4, Agree
- 5, Strongly agree
- 1, Strongly disagree
- 2, Disagree
- 3, Neutral
- 4, Agree
- 5, Strongly agree
- 1, Strongly disagree
- 2, Disagree
- 3, Neutral
- 4, Agree
- 5, Strongly agree
- 1, Strongly disagree
- 2, Disagree
- 3, Neutral
- 4, Agree
- 5, Strongly agree

rlo9	I rarely count on good things happening to me	 Strongly disagree Disagree Neutral Agree Strongly agree
rlo10	Overall, I expect more good things happen to me than bad	1, Strongly disagree 2, Disagree 3, Neutral 4, Agree 5, Strongly agree
Locus of cor	trol module nt do you agree with the following statements?	
loc1	In my life, good luck is more important than hard work for success	 Strongly agree Agree Disagree Strongly disagree
loc2	When I make plans, I am almost certain I can make them work	 Strongly agree Agree Disagree Strongly disagree
loc3	Every time I try to go ahead, something or somebody stops me	 Strongly agree Agree Disagree Strongly disagree

loc4	My plans hardly every work out, so planning makes me unhappy	 Strongly agree Agree Disagree Strongly disagree
loc5	I don't have enough control over direction of my life is taking	 Strongly agree Agree Disagree Strongly disagree
loc6	Chance and luck are very important for what happens in my life	 Strongly agree Agree Disagree Strongly disagree

Empathy module

The following statements inquire about your thoughts and feelings in a variety of situations. For each item, indicate how well it describes you.

iri1	I sometimes find it difficult to see things from the "other person's" point of view	1, 1 - Does not describe me well 2, 2 3, 3 4, 4 5, 5 - Describes me very well
iri2	I try to look at everybody's side of a disagreement before I make a decision	1, 1 - Does not describe me well 2, 2 3, 3 4, 4 5, 5 - Describes me very well
iri3	I sometimes try to understand my friends better by imagining how things look from their perspective	1, 1 - Does not describe me well 2, 2 3, 3 4, 4 5, 5 - Describes me very well
iri4	If I'm sure I'm right about something, I don't waste much time listening to other people's arguments	1, 1 - Does not describe me well 2, 2 3, 3 4, 4 5, 5 - Describes me very well
iri5	I believe that there are two sides to every question and try to look at them both	1, 1 - Does not describe me well 2, 2 3, 3 4, 4 5, 5 - Describes me very well

iri6	When I'm upset at someone, I usually try to "put myself in their shoes" for a while	1, 1 - Does not describe me well 2, 2 3, 3 4, 4 5, 5 - Describes me very well
iri7	Before criticizing somebody, I try to imagine how I would feel if I were in their place	1, 1 - Does not describe me well 2, 2 3, 3 4, 4 5, 5 - Describes me very well
iri8	I often have tender, concerned feelings for people less fortunate than me	1, 1 - Does not describe me well 2, 2 3, 3 4, 4 5, 5 - Describes me very well
iri9	Sometimes I don't feel very sorry for other people when they are having problems	1, 1 - Does not describe me well 2, 2 3, 3 4, 4 5, 5 - Describes me very well
iri10	When I see someone being taken advantage of, I feel kind of protective towards them	1, 1 - Does not describe me well 2, 2 3, 3 4, 4 5, 5 - Describes me very well
iri11	Other people's misfortunes do not usually disturb me a great deal	1, 1 - Does not describe me well 2, 2 3, 3 4, 4 5, 5 - Describes me very well
iri12	When I see someone being treated unfairly, I sometimes don't feel very much pity for them	1, 1 - Does not describe me well 2, 2 3, 3 4, 4 5, 5 - Describes me very well
iri13	I am often quite touched by things that I see happen	1, 1 - Does not describe me well 2, 2 3, 3 4, 4 5, 5 - Describes me very well
iri14	I would describe myself as a pretty soft-hearted person	1, 1 - Does not describe me well 2, 2 3, 3 4, 4 5, 5 - Describes me very well
Weight module		

Weight module		
weight	How would you describe your weight usually (i.e. before lockdown started)?	 Underweight Normal weight Slightly overweight Very overweight Prefer not to say

weightcha	ange Since lockdown started, how you would describe your weight?	2, I have lost a little bit of weight 3, I have stayed the same weight 4, I have gained a bit of weight 5, I have gained lots of weight 6, Prefer not to say	
Gambling	behaviours module		
gamb1	Since lockdown started, have you engaged in any of the following? Chance-based gambling (e.g. roulette, bingo)	1, Not at all 2, A few times 3, Once or twice a week 4, Most days each week 5, Every day	
gamb2	Since lockdown started, have you engaged in any of the following? Skills-based gambling (e.g. poker or blackjack)	 Not at all A few times Once or twice a week Most days each week Every day 	
gamb3	Since lockdown started, have you engaged in any of the following? Fixed odds betting	 Not at all A few times Once or twice a week Most days each week Every day 	
gamb4	Since lockdown started, have you engaged in any of the following? Scratch cards	 Not at all A few times Once or twice a week Most days each week Every day 	

1, I have lost a lot of weight

gamb5	Since lockdown started, have you engaged in any of the following? Playing a lottery	 Not at all A few times Once or twice a week Most days each week Every day
gamb6	Since lockdown started, have you engaged in any of the following? Other types of gambling/betting	 Not at all A few times Once or twice a week Most days each week Every day
gambfreq	How does this betting/gambling compare to your usual levels not in lockdown?	 Less than usual About the same as usual More than usual I don't do these things

Mental health diagnosis module

When lockdown first started in March, did you have a diagnosis of any of the following, for which you felt you were still experiencing symptoms?

mhdiagnosis 1	Schizophrenia	0, Unchecked
11111dlag1103131	36m20pmema	1, Checked
mhdiagnosis 2	Bipolar disorder	0, Unchecked
1111dlag1103132	bipolal disorder	1, Checked
mhdiagnosis 3	Manic depression	0, Unchecked
iiiiulagilosis5	Mariic depression	1, Checked
mahadia amaaia 4	Obsessive compulsive disorder	0, Unchecked
mhdiagnosis4	Obsessive-compulsive disorder	1, Checked
mahalinamanin F	Post-traumatic stress disorder	0, Unchecked
mhdiagnosis5	Post-traumatic stress disorder	1, Checked
mhdiagnosis6	An eating disorder	0, Unchecked
	All eating disorder	1, Checked
	Developie	0, Unchecked
mhdiagnosis7	Psychosis	1, Checked

mhdiagnosis8	Panic disorder	0, Unchecked	
		1, Checked	
mhdiagnosis 9	Anxiety	0, Unchecked	
	, and the same of	1, Checked	
mhdiagnosis 10	Denression	0, Unchecked	
1111dlag11031310	Depression	1, Checked	
mhdiagnosis 13	Other mental health condition	0, Unchecked	
1111dlag11031313	Other mental health condition	1, Checked	
mhdiagnosis11	Autism	0, Unchecked	
iiiiuiagiiosis11	Addisiii	1, Checked	
mbdiagnasis 12	Other learning disability	0, Unchecked	
minulagnosis12	Other learning disability	1, Checked	
	Dueferranthe	0, Unchecked	
mhdiagnosis14	Prefer not to say	1, Checked	
	Name of the other of	0, Unchecked	
mndiagnosis15	None of the above	1, Checked	
		1, My mental health got worse	
		compared to before Covid-19	
		2, My mental health was about the	
mhchangelock	How do you feel your mental health was affected during lockdown in April/May?	same	
		3, My mental health got better	
		compared to before Covid-19	
Finance module			
		1, Foodbanks	
		2, Donations of food or clothing or other essentials	
	Have you used any of the following since leakdown began?	3, Furlough payments through your work	
financesupport	Have you used any of the following since lockdown began?	4, Self-employed income support	
		5, Universal credit	
		6, Pension credit	
		7, Housing benefit	

		8, Council tax support/reduction
		9, Business support (e.g. business loans)
		10, Bank loans
		11, Mortgage holiday or other mortgage freeze
		12, Deferred VAT or income tax payments
		13, Insurance claims
		14, Sick pay
		15, Loans or other financial help from family or
		friends
		16, Other financial support
		17, None of the above
		1, Living comfortably
		2, Doing all right
financebefore	In the 3 months before the Coronavirus outbreak, how well would you say you	3, Just about getting by
	personally were managing financially?	4, Finding it quite difficult
	personally were managing intantially.	5, Finding it very difficult
		1, I'm much worse off
		2, I'm a little worse off
financenow	Overall, how do you feel your current financial situation compares to before the Coronavirus outbreak?	3, I'm about the same
		4, I'm a little better off
		5, I'm much better off
Region module		
		1, North East England
		2, North West England
		3, Yorkshire and the Humber
region	Which region of England do you live in?	4, West Midlands
region	- · ·	5, East Midlands
		6, East of England
		7, London
		8, South East England

		9, South West England
		10, I do not live in England
aith and relig	ion module	
		1, strongly disagree
	These questions are about your religious or spiritual beliefs. Please tick the box that	2, disagree
faith1	best shows how you feel about each statement:	3, agree
	Religious faith is extremely important to me	4, strongly agree
		1, strongly disagree
	These questions are about your religious or spiritual beliefs. Please tick the box that	2, disagree
faith2	best shows how you feel about each statement:	3, agree
		4, strongly agree
	These questions are about your religious or spiritual beliefs. Please tick the box that	1, strongly disagree
		2, disagree
faith3	best shows how you feel about each statement:	3, agree
	I look to my religion to provide meaning and purpose in my life	4, strongly agree
	These questions are about your religious or spiritual beliefs. Please tick the box that	1, strongly disagree
	best shows how you feel about each statement:	2, disagree
faith4	i consider mysen active in organised religion (usually going to church, temple,	3, agree
		4, strongly agree
		1, No religion
		2, Christian (including Church of England, Catholic,
	What is your religion?	other Protestant and all other Christian
religion		denominations)
		3, Buddhist
		4, Hindu
		5, Jewish

		6, Muslim
		7, Sikh
		8, Other
		9, Prefer not to say
		1, More than once a week
		2, Once a week
	About how often have you attended religious services during the past year before	3, Two or three times a month
religattend	the Covid-19 pandemic?	4, One or more times a year
		5, Not at all
		1, More than once a week
	During lockdown have you engaged in any online or digital religious activities such	2, Once a week
religonline	as watching streamed services, watching video prayers, joining online faith	3, Two or three times a month
J	discussion groups, or receiving other digital spiritual support?	4, One or more times a year
		5, Not at all
Relationship mo	odule	
		0, Not applicable
	How would you rate the quality of your relationships with the following people	1, Much worse than usual
	since lockdown came in?	2, A little worse than usual
rel1	Spouse or partner	3, About the same as usual
		4, A bit better than usual
		5, Much better than usual
		99, It's too hard to pick an answer

rel2	How would you rate the quality of your relationships with the following people since lockdown came in? Other adults you have been living with	 0, Not applicable 1, Much worse than usual 2, A little worse than usual 3, About the same as usual 4, A bit better than usual 5, Much better than usual 99, It's too hard to pick an answer
rel3	How would you rate the quality of your relationships with the following people since lockdown came in? Children you have been living with	 0, Not applicable 1, Much worse than usual 2, A little worse than usual 3, About the same as usual 4, A bit better than usual 5, Much better than usual 99, It's too hard to pick an answer
rel4	How would you rate the quality of your relationships with the following people since lockdown came in? Children outside of the household	 0, Not applicable 1, Much worse than usual 2, A little worse than usual 3, About the same as usual 4, A bit better than usual 5, Much better than usual 99, It's too hard to pick an answer
rel5	How would you rate the quality of your relationships with the following people since lockdown came in? Friends outside of the household	 0, Not applicable 1, Much worse than usual 2, A little worse than usual 3, About the same as usual 4, A bit better than usual 5, Much better than usual 99, It's too hard to pick an answer

rel6	How would you rate the quality of your relationships with the following people since lockdown came in? Parents outside of the household	 0, Not applicable 1, Much worse than usual 2, A little worse than usual 3, About the same as usual 4, A bit better than usual 5, Much better than usual 99, It's too hard to pick an answer
rel7	How would you rate the quality of your relationships with the following people since lockdown came in? Other relatives outside of the household	 0, Not applicable 1, Much worse than usual 2, A little worse than usual 3, About the same as usual 4, A bit better than usual 5, Much better than usual 99, It's too hard to pick an answer
rel8	How would you rate the quality of your relationships with the following people since lockdown came in? Colleagues or co-workers	 0, Not applicable 1, Much worse than usual 2, A little worse than usual 3, About the same as usual 4, A bit better than usual 5, Much better than usual 99, It's too hard to pick an answer
rel9	How would you rate the quality of your relationships with the following people since lockdown came in? Neighbours	 0, Not applicable 1, Much worse than usual 2, A little worse than usual 3, About the same as usual 4, A bit better than usual 5, Much better than usual 99, It's too hard to pick an answer

relbreakdown	Have you experienced the complete break-down of your relationship with any of the following since lockdown came in?	1, Spouse or partner 2, Other adults you have been living with 3, Children you have been living with 4, Children outside of the household 5, Friends outside of the household 6, Parents outside of the household 7, Other relatives outside of the household 8, Colleagues or co-workers 9, Neighbours 10, Somebody else 0, None of the above
Neighbourhood neigh1	d module BEFORE COVID-19, people around here were willing to help their neighbours	1, Strongly disagree 2, Disagree 3, Neither agree nor disagree 4, Agree 5, Strongly Agre
neigh2	NOW, SINCE COVID-19, people around here are willing to help their neighbours	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly Agree
neigh3	BEFORE COVID-19, people in this neighbourhood shared the same values	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly Agree

neigh4	NOW, SINCE COVID-19, people in this neighbourhood share the same values	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly Agree
neigh5	BEFORE COVID-19, I felt people in this neighbourhood could be trusted	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly Agree
neigh6	NOW, SINCE COVID-19, I feel people in this neighbourhood can be trusted	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly Agree
neigh7	BEFORE COVID-19, people in this neighbourhood generally got on with each other	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly Agree
neigh8	NOW, SINCE COVID-19, people in this neighbourhood generally get on with each other	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly Agree
neigh9	BEFORE COVID-19, this was a close-knit neighbourhood	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly Agree

neigh10	NOW, SINCE COVID-19, this is a close-knit neighbourhood	 Strongly disagree Disagree Neither agree nor disagree Agree Strongly Agree
neighlong	How long have you lived in your neighbourhood?	0, < 4 months 1, 4-12 months 2, 1-2 years 3, 3-5 years 4, 6-10 years 5, 11-20 years 6, 21+ years
neighhome	How do you think of your neighbourhood?	1, 1 - Just a place to live 2, 2 3, 3 4, 4 5, 5 - Home
neighattach	How strongly "attached" to your neighbourhood do you feel?	1, 1 - no attachment 2, 2 3, 3 4, 4 5, 5 - strong attachment
neighbelong	To what extent do you feel you "belong" in your community?	1, 1 - don't belong at all 2, 2 3, 3 4, 4 5, 5 - belong strongly
neighsat1	How satisfied are you with the following aspects of your neighbourhood? Safety	 Dissatisfied Neither satisfied nor dissatisfied Satisfied
neighsat2	How satisfied are you with the following aspects of your neighbourhood? Walkability	 Dissatisfied Neither satisfied nor dissatisfied Satisfied
neighsat3	How satisfied are you with the following aspects of your neighbourhood? Recreational facilities (e.g. leisure centres, playgrounds etc)	 Dissatisfied Neither satisfied nor dissatisfied Satisfied

neighsat4	How satisfied are you with the following aspects of your neighbourhood? Local amenities (e.g. shops and takeaways)	 Dissatisfied Neither satisfied nor dissatisfied Satisfied
neighsat5	How satisfied are you with the following aspects of your neighbourhood? Availability of usable green space / parks	 Dissatisfied Neither satisfied nor dissatisfied Satisfied
neighsat6	How satisfied are you with the following aspects of your neighbourhood? Presence of trees	 Dissatisfied Neither satisfied nor dissatisfied Satisfied
neighsat7	How satisfied are you with the following aspects of your neighbourhood? Maintenance of streets	 Dissatisfied Neither satisfied nor dissatisfied Satisfied
neighsat8	How satisfied are you with the following aspects of your neighbourhood? Density of traffic	 Dissatisfied Neither satisfied nor dissatisfied Satisfied
neighsat9	How satisfied are you with the following aspects of your neighbourhood? Level of noise	 Dissatisfied Neither satisfied nor dissatisfied Satisfied
neighsat10	How satisfied are you with the following aspects of your neighbourhood? Level of crowding	 Dissatisfied Neither satisfied nor dissatisfied Satisfied
neighsatisfied	All things considered, how satisfied or dissatisfied are you with your neighbourhood as a place to live?	1, 1 - Very dissatisfied 2, 2 3, 3 4, 4 5, 5 - Very satisfied

Healthcare module

		1, Been unable to see or speak with a GP about
healthbar	Have you experienced any of the following since lockdown began?	your physical health
		2, Been unable to access professional mental health
		support

		3, Had medical tests postponed or cancelled 4, Had scheduled medical treatment or surgeries postponed or cancelled 5, Faced any other challenge relating to access to healthcare 6, None of the above
healthbeh	Have you done any of the following since lockdown began because of worries or challenges relating to Covid-19?	1, Not reported symptoms of an illness to a GP or other health professional when you usually would have done 2, Not spoken to a health professional about your mental health when you usually would have done 3, Stopped taking medication because you could not access it (e.g. unable to collect prescription) 4, Not gone for tests or treatment even though they were available 5, None of the above
understandpre	How well did you feel you understood the rules from the government in the FIRST HALF OF LOCKDOWN, when the message was "stay at home, protect the NHS, save lives"? Please answer about the government rules in your OWN COUNTRY (so if you live in	1, 1 - not at all 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 - very much so
understandpost	a DEVOLVED NATION, you should answer on your devolved government) How well do you feel you have understood the rules from the government SINCE THE LOCKDOWN EASING has begun?	1, 1 - not at all 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 - very much so
	Please answer about the government rules in your OWN COUNTRY (so if you live in a DEVOLVED NATION, you should answer on your devolved government)	,

Lockdown holiday module

aireumetan	Do any of the following apply to you?	1, I am currently on holiday away from my home	
circumstances	Leave blank if they do not apply	2, Where I am staying is currently under a local government-imposed lockdown	
Discrimination	module came in, have any of the following things happened to you?		
discr1	You have been treated with less courtesy or respect than other people.	 No Yes because of my gender Yes because of my race/ethnicity Yes because of my age Yes for another reason 	
discr2	You have received poorer service than other people (e.g. for deliveries or in stores).	 No Yes because of my gender Yes because of my race/ethnicity Yes because of my age Yes for another reason 	
discr3	People have acted as if they were afraid of you	 No Yes because of my gender Yes because of my race/ethnicity Yes because of my age Yes for another reason 	
discr4	People have acted as if they think you are dishonest	 No Yes because of my gender Yes because of my race/ethnicity Yes because of my age Yes for another reason 	

discr5	You have been threatened or harassed	 No Yes because of my gender Yes because of my race/ethnicity Yes because of my age Yes for another reason
dscr6	You have received poorer service or treatment than other people from doctors or hospitals	 No Yes because of my gender Yes because of my race/ethnicity Yes because of my age Yes for another reason
discr7	You have experienced some other kind of discrimination	 No Yes because of my gender Yes because of my race/ethnicity Yes because of my age Yes for another reason
Risk taking mod	How do you see yourself? Are you generally a person who is fully prepared to tak	
Life-changes m	risks or do you try to avoid taking risks?	willing to take risks
lifechanges	When the COVID-19 pandemic is OVER, will you CHOOSE to change any of the following aspects of your life COMPARED TO HOW YOU LIVED BEFORE COVID-19 based on your experiences during the pandemic?	 Save money more than I did before COVID-19 Save money less than I did before COVID-19 Spend money on different things than I did before COVID-19 Change my job Give up work Work longer hours than I did before COVID-19

Select any that apply.

- 7, Work shorter hours than I did before COVID-19
- 8, Work from home more than I did before COVID-19
- 9, Commute more by car than I did before COVID-19
- 10, Commute more by public transport than I did before COVID-19
- 11, Commute more by exercising (e.g. cycling/scooting/walking) than I did before COVID-19
- 12, Support local business more than I did before COVID-19
- 13, Use online shopping more than I did before COVID-19
- 14, Exercise more than I did before COVID-19
- 15, Eat more healthily than I did before COVID-19
- 16, Look after my mental health better than I did before COVID-19
- 17, End a current romantic relationship
- 18, Seek a new romantic relationship
- 19, Spend more time with family outside of the home than I did before COVID-19
- 20, Spend less time with family outside of the home than I did before COVID-19
- 21, Spend more time with family you live with than I did before COVID-19
- 22, Spend less time with family you live with than I did before COVID-19
- 23, Volunteer more than I did before COVID-19
- 24, Volunteer less than I did before COVID-19
- 25, Talk more to neighbours than I did before COVID-
- 26, Talk less to neighbours than I did before COVID-19
- 27, Move to live in a different area
- 28, Holiday in the UK more than before COVID-19
- 29, Holiday abroad more than before COVID-19

lifechange	OVERALL ONCE COVID-19 IS OVER, how much do you think you will change the way you live COMPARED TO HOW YOU LIVED BEFORE THE PANDEMIC?	1, 1 - I will return to living exactly as I did before COVID-19 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 - I will entirely change the way I lived compared to before COVID-19
End of July module		
Financesupport_le	Over the last few months we've asked you about your behaviours during strict lockdown in April/May. We'd like to know if you feel things have changed since lockdown began to ease. Have you used any of the following IN THE LAST 2 MONTHS (so across June or July)?	1, Foodbanks 2, Donations of food or clothing or other essentials 3, Furlough payments through your work 4, Self-employed income support 5, Universal credit 6, Pension credit 7, Housing benefit 8, Council tax support/reduction 9, Business support (e.g. business loans) 10, Bank loans 11, Mortgage holiday or other mortgage freeze 12, Deferred VAT or income tax payments 13, Insurance claims 14, Sick pay 15, Loans or other financial help from family or friends 16, Other financial support 17, None of the above
volunteeramount_le	Earlier on in lockdown, we asked you about whether you had been VOLUNTEERING (e.g. running errands for neighbours, providing lifts for NHS staff, taking part in a formal volunteering scheme, donating to Covid-19 charities, or making resources such as PPE). In the LAST TWO MONTHS (across June and July) how does your frequency of volunteering compare to during strict lockdown in April/May?	

artscomp_le	Earlier on in lockdown, we asked you about your engagement with ARTS AND CREATIVE ACTIVITIES (including reading, listening to music, arts, crafts, singing, writing, dancing etc).	 Less than during April/May About the same as during April/May More than during April/May
	In the LAST TWO MONTHS (across June and July) how does your frequency of arts engagement compare to your arts engagement during strict lockdown in April/May?	4, I haven't done any arts/creative activities in June or July
gambfreq_le	Earlier on in lockdown, we asked you about whether you had been BETTING OR GAMBLING (e.g. online gambling, fixed odds betting, scatch cards or playing the lottery).	 Less than during April/May About the same as during April/May More than during April/May
	In the LAST TWO MONTHS (across June and July) how does your frequency of betting/gambling compare to during strict lockdown in April/May?	4, I haven't done any betting/gambling in June or July
mhchangelock_le	Overall, how do you feel your mental health was affected AS LOCKDOWN EASED compared to during strict lockdown in April/May?	 My mental health has got worse compared to during April/May My mental health has been about the same compared to during April/May My mental health has got better compared to during April/May

Vaccine module

vax1	I feel safe after being vaccinated	1, 1 - Strong agree 2, 2 3, 3 4, 4 5, 5 6, 6 - Strongly disagree
vax2	I can rely on vaccines to stop serious infectious diseases	1, 1 - Strong agree 2, 2 3, 3 4, 4 5, 5 6, 6 - Strongly disagree
vax3	I feel protected after getting vaccinated	1, 1 - Strong agree 2, 2 3, 3 4, 4 5, 5 6, 6 - Strongly disagree
vax4	Although most vaccines appear to be safe, there may be problems that we have not yet discovered	1, 1 - Strong agree 2, 2 3, 3 4, 4 5, 5 6, 6 - Strongly disagree
vax5	Vaccines can cause unforeseen problems in children	1, 1 - Strong agree 2, 2 3, 3 4, 4 5, 5 6, 6 - Strongly disagree

vax6	I worry about the unknown effects of vaccines in the future	1, 1 - Strong agree 2, 2 3, 3 4, 4 5, 5 6, 6 - Strongly disagree
vax7	Vaccines make a lot of money for pharmaceutical companies, but do not do much for regular people	1, 1 - Strong agree 2, 2 3, 3 4, 4 5, 5 6, 6 - Strongly disagree
vax8	Authorities promote vaccination for financial gain, not for people's health	1, 1 - Strong agree 2, 2 3, 3 4, 4 5, 5 6, 6 - Strongly disagree
vax9	Vaccination programs are a big con	1, 1 - Strong agree 2, 2 3, 3 4, 4 5, 5 6, 6 - Strongly disagree
vax10	Natural immunity lasts longer than a vaccination	1, 1 - Strong agree 2, 2 3, 3 4, 4 5, 5 6, 6 - Strongly disagree
vax11	Natural exposure to viruses and germs gives the safest protection	1, 1 - Strong agree 2, 2 3, 3 4, 4 5, 5 6, 6 - Strongly disagree
vax12	Being exposed to diseases naturally is safer for the immune system than being exposed through vaccination	1, 1 - Strong agree 2, 2 3, 3 4, 4 5, 5 6, 6 - Strongly disagree
fluvaccine_past	Did you receive an influenza (flu) vaccine in the last year?	1, Yes 2, No 3, I don't remember
refusedvaccine	Have you ever refused or elected to forego a doctor-recommended vaccine for you or someone you are responsible for (e.g. your child)?	1, Yes 2, No
fluvaccine_plan	How likely to do you think you are to get a flu vaccine this year?	1, 1 - Very unlikely 2, 2 3, 3 4, 4 5, 5 6, 6 - Very likely
covidvaccine_plan	How likely to do you think you are to get a COVID-19 vaccine when one is approved?	1, 1 - Very unlikely 2, 2 3, 3 4, 4 5, 5 6, 6 - Very likely

followingisolation_others	On average, to what extent do you think THE REST OF THE POPULATION is	1, 1 - not at all 2, 2 3, 3 4, 4 5, 5 6, 6
	following the recommendations from authorities to prevent spread of Covid-19?	7, 7 - very much so

Compliance Module

Some people have altered their behaviour since the beginning of the pandemic in response to government rules and guidelines, while others have continued to pursue their usual activities. Some may have wanted to change their behaviour but have not been able to do so for different reasons. Some may have changed their behaviour, but haven't been able to do this consistently. We'd like to find out about your behaviours. Below we ask some questions and give you the space to provide detail on the reasons for your choices.

	IN THE LAST 7 DAYS, to what extent have you been following the behaviours below:	
Compl1	Washing your hands thoroughly with soap and water or using hand sanitising gel after any possible contact with other people outside of your household or shared surfaces	1, Never 2, Rarely 3, Occasionally 4, Frequently 5, Always 9, Not applicable
compl2	IN THE LAST 7 DAYS, to what extent have you been following the behaviours below:	1, Never 2, Rarely 3, Occasionally 4, Frequently 5, Always 9, Not applicable
	Wearing a face mask or other face covering where it is currently recommended	
compl3	IN THE LAST 7 DAYS, to what extent have you been following the behaviours below:	1, Never 2, Rarely 3, Occasionally 4, Frequently 5, Always 9, Not applicable
	Maintaining the recommended distance from people not in your household/bubble	
compl4	IN THE LAST 7 DAYS, to what extent have you been following the behaviours below:	1, Never 2, Rarely 3, Occasionally 4, Frequently 5, Always 9, Not applicable
	Meeting up with MORE THAN the recommended number of people from other households OUTDOORS	
	IN THE LAST 7 DAYS, to what extent have you been following the behaviours below:	1, Never 2, Rarely 3, Occasionally 4, Frequently 5, Always 9, Not applicable
compl5	Meeting up with MORE THAN the recommended number of people from other households INDOORS	
	IN THE LAST 7 DAYS, to what extent have you been following the behaviours below:	1, Never 2, Rarely 3, Occasionally 4, Frequently 5, Always 9, Not applicable
compl6	Following other rules relevant to the tier or level of lockdown currently active in your area	
comp_test	Since the start of first lockdown back in March, if you developed symptoms of Covid-19 [a cough/fever/loss of taste or smell], have you requested a test?	1, No never 2, On some occasions but not others 3, Yes every time 4, Not applicable

comp_isolate	Since the start of first lockdown back in March, if you developed symptoms of Covid-19 [a cough/fever/loss of taste or smell],how many days did you stay at home for? *If this has happened more than once, please provide details of the shortest time you stayed at home for. If not applicable, you can skip this question.	0, 0 1, 1 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 8, 8 9, 9 10, 10 11, 11 12, 12 13, 13 14, 14 15, 15 16, 16 17, 17 18, 18 19, 19 20, 20 21, 21+ 22, Not applicable
comp_isolate2	Since the start of first lockdown back in March, if you were told you had come into contact with somebody else who developed symptoms of Covid-19, how many days did you stay at home for? *If this has happened more than once, please provide details of the shortest time you stayed at home for. If not applicable, you can skip this question.	0, 0 1, 1 2, 2 3, 3 4, 4 5, 5 6, 6 7, 7 8, 8 9, 9 10, 10 11, 11 12, 12 13, 13 14, 14 15, 15 16, 16 17, 17 18, 18 19, 19 20, 20 21, 21+ 22, Not applicable
Finance module (rep	eated)	
		1, Foodbanks
		Donations of food or clothing or other essentials
		3, Furlough payments through your work
		4, Self-employed income support
		5, Universal credit
		6, Pension credit
		7, Housing benefit
	Have you used any of the following SINCE THE START OF AUGUST?	8, Council tax support/reduction
Financesupport_le_2		9, Business support (e.g. business loans)
		10, Bank loans
		11, Mortgage holiday or other mortgage freeze
		12, Deferred VAT or income tax payments
		13, Insurance claims
		14, Sick pay
		15, Loans or other financial help from family or
		friends
		16, Other financial support
		17, None of the above