COVID-19 disease and Physical & Emotional wellbeing of Healthcare Professionals.

Thank you for your interest in the CoPE-HCP study. We want to assess the physical, emotional and psychological effects of the COVID-19 pandemic on our healthcare professionals. We will collect data from both healthcare and non-healthcare professionals/academics. This will help us understand the differences in the impact of COVID-19 disease in the two groups.

This study is conducted in accordance with the ethical standards of the institutional research ethics committee (REC number 20/EE/0166) and is a registered clinical trial on clinicaltrials.gov (NCT04433260)

It has two distinct phases. You can choose to be part of one or both phases.

In the initial survey (phase 1), you will be asked to complete a set of questions about your current work and living environment, physical and mental health as well as wellbeing. There will also be questions around the support available at your workplace, the provision of personal protective equipment (PPE) and your work pattern. We estimate this to take no longer than 20 minutes. *You can do them at your own pace and speed, and it doesn't have to be in one sitting.*

In Phase 2 of the study, we aim to reassess your physical and psychological well-being 6 weeks and 4 months following the initial survey. Our objective is to evaluate the changes in behaviour, mood and wellbeing and, whether there were any perceived issues with physical wellbeing.

Further details about the study can be accessed <u>here</u>.

Please read the participant information sheet <u>here</u>.

Please note that we do not ask for any personal data, except for your contact email address (only if you opt in for follow-up surveys in phase 2). Using your email address will allow us to identify your initial response in Phase 1 and link them to your future responses in follow-up surveys. The surveys are conducted entirely in English. It is at the participant's (your) discretion whether to proceed, assuming you have understood the study information given. All data will be treated confidentially and under data protection act 2018.

* I have read and understood the information provided about the study
Yes
* Are you happy to proceed with this survey?
Yes

Note on how to do this surve

We understand your time is valuable but would appreciate if each question can be answered as fully as possible, as all information provided will be helpful to us! **You can take a break** when answering the survey and continue the survey from where you left (i) provided you use the same device to go back to the survey **OR**

(ii) access a unique link sent to your email address (this allows access from a different device)

If you feel you need urgent support, please use urgent helplines such as <u>Samaritans</u> on 116 123 or <u>Mind</u> on 0300 123 3393) or contact your GP or occupational health.

* Are you are happy for us to contact you for the follow-up survey without providing this]	s? [you can still proceed to the initial surve
Yes	
○ No	
Do not know yet	
CoPE-HCP Study	
Please provide your email address	

CoPE-HCP Study

About yourself

This section contains questions regarding basic information about you, your place of living and work, level of education, relationship status and pre-existing physical and mental health conditions. Please tick whichever option is most applicable

* 1a.	How did you find out about this study?
	Email invitation
\bigcirc	Social media (Twitter, Facebook, WhatsApp, etc.)
	Institutional/Organisational newsletter
\bigcirc	Queen Mary University London (QMUL) website
\bigcirc	Search Engine (Google, Yahoo, etc.)
\bigcirc	Word of Mouth
\bigcirc	Other
Othe	er (please specify)
* 1h	Do you work in the UK?
	UK
	Rest of the world
Co	PF-HCP Study
Co	PE-HCP Study
	PE-HCP Study Which region in the UK do you work at?
	Which region in the UK do you work at?
* 2a.	Which region in the UK do you work at? East of England
* 2a.	Which region in the UK do you work at? East of England London
* 2a.	Which region in the UK do you work at? East of England London East Midlands
* 2a.	Which region in the UK do you work at? East of England London East Midlands West Midlands
* 2a.	Which region in the UK do you work at? East of England London East Midlands West Midlands North East and Yorkshire
* 2a.	Which region in the UK do you work at? East of England London East Midlands West Midlands North East and Yorkshire North West
* 2a.	Which region in the UK do you work at? East of England London East Midlands West Midlands North East and Yorkshire North West South East
* 2a.	Which region in the UK do you work at? East of England London East Midlands West Midlands North East and Yorkshire North West South East South West
* 2a.	Which region in the UK do you work at? East of England London East Midlands West Midlands North East and Yorkshire North West South East South West

* 2a (1) If you work in London, please indicate below who your primary employer is:
CoPE-HCP Study
* 2b. In Which region in the world do you work?
Africa
Asia
Australia
Europe
North America
Central America
South America
Other (please state):
2b(1) Please state which country you are based in <i>(optional)</i>
CoPE-HCP Study
* 3. What is your age group?
18-25 years
26-35 years
36-50 years
51-60 years
61-70 years
> 70 years

Appendix 1, as supplied by the authors. Appendix to: Siddiqui I, Gupta J, Collett G, et al. Perceived workplace support and mental health, well-being and burnout among health care professionals during the COVID-19 pandemic: a cohort analysis. *CMAJ Open* 2023. DOI:10.9778/cmajo.20220191. Copyright © 2023 The Author(s) or their employer(s). To receive this resource in an accessible format, please contact us at cmajgroup@cmaj.ca.

* 4. W	hat is your ethnicity?
\ \	White British
\ \	White – any other background
E	Black African-Caribbean/ African
E	Black – any other background
	Mixed White and Black
	Mixed White and Asian
	Mixed any other / Multiple ethnic background
	South Asian (Indian/Pakistani/Bangladeshi)
	Chinese
	Any other Asian background
	Any other ethnic group
	I prefer not to disclose my ethnicity
	hich gender do you identify with?
_	Male
	Female
	Prefer to self-define
(F	Prefer not to say
* 6. W	hat is your relationship status?
	Single
	Divorced
	Married/Living with partner or family
	I prefer not to disclose
\bigcirc (Other (please specify)
* 7. Pl	ease indicate the number of people living in your household (including yourself)
	1
<u> </u>	2
3	3-5
O 6	6 or more

* 8. V	Vhat is your highest level of education?
	GCSE or equivalent (i.e minimum of 10 years of school education)
	A-levels or equivalent (i.e. minimum of 12 years of school education or vocational training)
	Bachelor's degree or equivalent
	Postgraduate diploma or equivalent
	Master's degree or equivalent
\bigcirc	PhD
	Other (please specify)
* 9. A	are you diagnosed with any of the following physical conditions?
	Chronic lung disease
	Compromised immune system (i.e. undergoing chemotherapy, on regular immunosuppression)
	Heart disease
	Obesity
	Diabetes
	Liver disease
	Hypertension (high blood pressure)
	Other underlying health condition that might put you at increased risk of Covid infection
	None of the above
	Prefer not to disclose
	Other

* 10.	Are you diagnosed with any of the following common mental health conditions?
	Depression
	Generalised anxiety disorder
	Panic disorder
	Obsessive-compulsive disorder
	Post-traumatic stress disorder
	Psychotic disorder
	None of the above
	Prefer not to disclose
	Other
	In your region (i.e. where you work), when was the largest number of COVID-19 cases reported (i.e when sether peak of COVID-19 pandemic)
	February – March 2020 (or, > 4 months ago)
	April - May 2020 (or, 3-4 months ago)
	June 2020 (or, 1-2 months ago)
	July 2020 (upto 1 month back)
	August 2020
	Do not know
	Not applicable
Co	PE-HCP Study
	your work questions are about your work, either as a health care professional or not
	Do you work full time (>35 hours a week) or part-time?
	Part-time
	Full time

About your work
These questions are about your work, either as a health care professional or not
* 1 (a) If you work part-time, please specify an estimate number of hours you work in a week:
<8 hours
8-16 hours
17-24 hours
25-32 hours
* 2. In which sector do you work?
Healthcare: Primary care
Healthcare: Hospital
Healthcare: Community
Healthcare: administration/estates/IT etc
Non-healthcare sector
University
Other (please specify)
CoPE-HCP Study
* 1. Are you a healthcare worker? (Healthcare workers are self-defined as those who work in primary, community or hospital settings; either directly or indirectly helping in the patient care services. For example, this may include those who work in hospital or community care settings and provide support for direct patien care services.)
Yes
○ No
CoPE-HCP Study

The following section applies ONLY to health care professionals.

	fyou are a healthcare professional, are you in a patient facing/caring role (i.e. you routinely come in tact with patients).
	Yes
	No
	Not applicable
* 2. I1	f you are a healthcare professional, what is your role?
	Senior Doctor (consultant or GP or staff specialist)
	Higher specialist trainee (post core-training, fellowship etc)
	Clinical fellow or other junior doctor
	Core trainee (medicine, surgery, psychiatry or GP trainee)
\bigcirc	Foundation doctor (first two years after medical school)
	Nurse or Midwife
\bigcirc	Healthcare assistant
\bigcirc	Allied Healthcare professional (physiotherapist, occupational therapist, radiographer etc)
	Pharmacist
	Other patient facing HCW (phlebotomists, cleaners, porters)
	Non-patient facing HCW (e.g. laboratory technicians, administrative staff)
\bigcirc	Not applicable
* 3. Y	ou have spent most time working in which of the following areas over the past three months?
	Hospital - Accident and Emergency/Intensive Care
	Hospital – Acute Medicine/Other medical specialities
	Hospital- Surgical specialities
	Hospital – Elective outpatient services/procedures
	Hospital – Mental Health
	Hospital – In reach speciality services
	GP surgery
	Community mental health
	Community in-patient or minor-injury/walk-in services (including hospice/rehabilitation units)
	None of the above
	Not applicable

	dical, nursing, physiotherapy training)?
	<3
	3-8
	9-14
	15-20
	> 20 years
	Not applicable
	At the peak of the COVID-19 pandemic, how many hours per week would you have worked on average cluding paid and unpaid hours)?
\bigcirc	<35 hours/week
\bigcirc	35-45 hours
\bigcirc	> 45 hours
	Not applicable
* 6. F	Have you been redeployed to a different team/speciality as a result of the COVID-19 pandemic?
	Yes
	No
	Not applicable
* 7. I	f you have been redeployed, did you receive adequate training before starting in your new post?
	Yes
	No
	Not applicable
* 8. F	How often did you feel your team was understaffed?
	Never
	25% of the time
	Half the time
	75% of the time
\bigcirc	All the time
	Not applicable

* 9. Was personal protective equipment (PPE) adequately provided to staff at your workplace?
Yes
○ No
Not applicable
* 10. If you worked in patient-facing roles, do you think you received appropriate training for using PPEs?
Yes
○ No
Not applicable
* 11. Do you consider work-related practices (e.g. working hours, PPE provision, staffing levels) a source of stress/anxiety?
Yes
○ No
Not applicable
COVID-19: Impact on yourself, your workplace and other social aspects Please answer the following questions, taking into account the changes that may have occurred in your work place and living conditions during the COVID-19 pandemic.
* 1. Is your workplace adhering to local guidelines on social distancing, working from home, reduced personal
contacts, personal protective equipment, personal hygiene etc?
Yes
○ No
Partially
Prefer not to disclose
* 2. During the COVID-19 pandemic, have you had to make new living arrangements because of friends/family members who are at moderate or high clinical risk?
Yes
○ No
Prefer not to disclose
Not applicable

Yes	,	.,	r personal relation	ompo.	
No					
Prefer not to disclo	ose				
Not applicable					
CoPE-HCP Stud	ly				
COVID-19 and you	r anxiety levels b	efore, during a	and at this time		
1. During the peak of representative of your worried/worry that:		-	ate how strongly	each statement	below is
,	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
My family members may get infected with COVID- 19	0	0	0	0	0
COVID-19 will significantly impact my community	C	\circ	\bigcirc	\bigcirc	\bigcirc
COVID-19 is increasing my general stress levels	0	0	0	\circ	0
COVID-19 is increasing my financial stress levels	0	0	0	\bigcirc	\circ
COVID-19 is increasing my stress about food supplies	0	0	0	0	0
5. Please indicate your anxi 5 (a) How would you r o COVID-19 pandemi	ate your anxiety lev	el about your ov	vn health, your job		
1				10	

peak of the COVID-19 pandemic (scale 1-10, 1-zero anx	tiety and 10 very anxious)?
1	10
* 5 (c) How would you rate your anxiety level about your or this point in time of the COVID-19 pandemic (scale 1-1	
1	10
CoPE-HCP Study	
COVID19 pandemic, physical health and employe	er's support
* 1. Have you had symptoms (e.g. fever, persistent coursmell) suggestive of COVID-19 infection in the last few Yes No Prefer not to disclose	
* 2. Have you been tested (viral swab or antibody test) Yes – positive swab result, no antibody test	for COVID-19?
Yes – positive swab result, positive antibody test Yes - positive swab result, negative antibody test	
Yes - negative swab result, no antibody test	
Yes - negative swab result, positive antibody test	
Yes - negative swab result, negative antibody test	
Yes: no swab test, positive antibody test	
Yes: no swab test, negative antibody test	
No: no swab test, no antibody test	

* 5 (b)How would you rate your anxiety level about your own health, your job, and your families' wellbeing at the

* 3. How many days were you off work because you had symptoms suspicious of COVID-19?	
None – 0 days	
1-7 days	
8-14 days	
>14 days	
* 4. With regards to physical activity, which of the following is true about yourself during the COVID- 19 pandemic?	
I am physically less active	
I am as physically active as I was before	
I am more physically active	
I don't know/I'm not sure	
Prefer not to disclose	
* 5. With regards to your weight or dress/waist size, which of the following is true during the COVID- 19 pandemic?	
There has been no change in my weight, dress or waist size	
My weight, dress or waist size has increased	
My weight, dress or waist size has decreased	
I don't know/I'm not sure	
Prefer not to disclose	
6. Do you think you received adequate support directly from your supervisors/line managers/direct employ (Mark on scale, with 1 -as no support and 10 as full and professional support)	ers?
1 10	
6a. What support did you find most helpful or would have wanted if possible? (please specify what kind of support and provided by whom) - optional	

7. If you feel you were supported, please specify which source of support you found helpful?
From direct supervisor/line-manager/immediate management
Peer groups/fellow workers/fellow professionals
Friends and family
Employer or company/hospital wide policies
Media Media
Societies/other organisations
Government policies
None of the above
Other (please specify)
8. What support did you find most helpful or would have wanted if possible? (please specify what kind of support and provided by whom)? - optional
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Mood related:

In this section we are requesting you to reflect on your mood during the last two weeks and answer the following:

* 1. Over the last two week	s, how often have	e you been bothered by	any of the following pro	oblems?
	Not at all	Several days	More than half the time	Nearly every day
Little interest or pleasure in doing things		0	0	0
Feeling down, depressed, or hopeless	\circ	\circ	\bigcirc	\bigcirc
Trouble falling or staying asleep, or sleeping too much	0		0	0
Feeling tired or having little energy	\circ	\circ	\bigcirc	\bigcirc
Poor appetite or overeating	0	0	0	\circ
Feeling bad about yourself — or that you are a failure or have let yourself or your family down	0	0	0	0
Trouble concentrating on things, such as reading the newspaper or watching television	0	0	0	0
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	0	0	0	0
Thoughts that you would be better off dead or of hurting yourself in someway		0	0	0
CoPE-HCP Study				

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Anxiety related

	Not at all	Several days	More than half the time	Nearly every day
Feeling nervous, anxious or on edge		0	0	0
Not being able to stop or control worrying	\circ	0	\circ	\circ
Worrying too much about different things		0	0	0
Trouble relaxing			\bigcirc	
Being so restless that it s hard to sit still		0		\bigcirc
Becoming easily annoyed or irritable	\circ	\bigcirc	\bigcirc	\bigcirc
Feeling afraid as if something awful might nappen	0	0		0
. Please rate the CURRI	ENT (i.e. LAST 2	WEEKS) SEVERITY	of your sleep-related is	sues
	ENT (i.e. LAST 2	-	of your sleep-related is sloderate Severe	
Difficulty falling asleep	•	-		
Please rate the CURRE Difficulty falling asleep Difficulty staying asleep Waking up too early	•	-		Very Severe
Difficulty falling asleep Difficulty staying asleep	None	Mild M	loderate Severe	

* 3.2 life'	How NOTICEABLE to others do you think your sleep problem is in terms of impairing the quality of your?
	Not at all Noticeable
	A little
	Somewhat
	Much
	Very much noticeable
* 3.3	How WORRIED/DISTRESSED are you about your CURRENT sleep problem?
	Not at all worried
	A little
\bigcirc	Somewhat
	Much
\bigcirc	Very much worried
day	. To what extent do you consider your sleep problem to INTERFERE with your daily functioning (e.g. rtime fatigue, mood, ability to function at work/daily chores, concentration, memory, mood, etc.) RRENTLY?
	Not at all interfering
	A little
	Somewhat
	Much
	Very much interfering
Со	PE-HCP Study
Rehay	viour related

* 4.1	Has there been a change in your smoking status since the start of COVID pandemic ?
	Never smoked
	Already stopped before the start of COVID pandemic
	Smoking less than before the start of COVID pandemic
	Smoking more than before since the start of COVID pandemic
	Smoking same as before the start of COVID pandemic
	Prefer not to say
* 1 2	Has there been a change in your vaping status since the start of COVID pandemic ?
4.2	Never vaped
	Already stopped vaping before the start of COVID pandemic
	Vaping less than before since the start of COVID pandemic
	Vaping more than before since the start of COVID pandemic
	Vaping same as before the start of COVID pandemic
	Prefer not to say
	, , , , , , , , , , , , , , , , , , ,
* 4.3	Has there been a change in your levels of alcohol consumption since the start of COVID pandemic ?
* 4.3	Has there been a change in your levels of alcohol consumption since the start of COVID pandemic ? Never drank
* 4.3	
* 4.3	Never drank
* 4.3	Never drank Already stopped before the start of COVID pandemic
* 4.3	Never drank Already stopped before the start of COVID pandemic Drinking less than before since the start of COVID pandemic
* 4.3	Never drank Already stopped before the start of COVID pandemic Drinking less than before since the start of COVID pandemic Drinking more than before since the start of COVID pandemic
* 4.4	Never drank Already stopped before the start of COVID pandemic Drinking less than before since the start of COVID pandemic Drinking more than before since the start of COVID pandemic Drinking same as before the start of COVID pandemic
* 4.4	Never drank Already stopped before the start of COVID pandemic Drinking less than before since the start of COVID pandemic Drinking more than before since the start of COVID pandemic Drinking same as before the start of COVID pandemic Prefer not to say Has there been a change in your levels of recreational drug
* 4.4	Never drank Already stopped before the start of COVID pandemic Drinking less than before since the start of COVID pandemic Drinking more than before since the start of COVID pandemic Drinking same as before the start of COVID pandemic Prefer not to say Has there been a change in your levels of recreational drug sumption since the start of COVID pandemic?
* 4.4	Never drank Already stopped before the start of COVID pandemic Drinking less than before since the start of COVID pandemic Drinking more than before since the start of COVID pandemic Drinking same as before the start of COVID pandemic Prefer not to say Has there been a change in your levels of recreational drug sumption since the start of COVID pandemic? Never taken recreational drugs
* 4.4	Never drank Already stopped before the start of COVID pandemic Drinking less than before since the start of COVID pandemic Drinking more than before since the start of COVID pandemic Drinking same as before the start of COVID pandemic Prefer not to say Has there been a change in your levels of recreational drug sumption since the start of COVID pandemic? Never taken recreational drugs Already stopped before the start of COVID pandemic
* 4.4	Never drank Already stopped before the start of COVID pandemic Drinking less than before since the start of COVID pandemic Drinking more than before since the start of COVID pandemic Drinking same as before the start of COVID pandemic Prefer not to say Has there been a change in your levels of recreational drug sumption since the start of COVID pandemic? Never taken recreational drugs Already stopped before the start of COVID pandemic Taking less recreational drugs since the start of COVID pandemic

Concerns related: during the **peak of** COVID pandemic

Please answer the questions below about your worries during the peak of the COVID pandemic. If your country has not gone through the peak yet, please answer these as your potential worries about the pandemic

* 5. Do you worry about your health as a result of COVID-19 pandemic? Specify on Likert scale of 1-5

	Always	Often	Sometimes	Rarely	Never
Do/did you worry about your health as a result of Covid-19 pandemic?		0	0	\circ	0
Do/did you worry about being at greater risk due to not having adequate PPE?	C	0	0	0	\bigcirc
Do/did you worry about your family catching Covid 19 due to your work?	0	0	0	0	0
Do/did you worry about not having adequate training to deal with Covid 19 related jobs in workplace?	C	0		\circ	\circ
Do/did you worry about not having adequate supervision in workplace?	0	0	0	0	0
Do/did you worry about being redeployed?	0	0	0	0	0
CoPE-HCP Study COVID pandemic: hea	alth and lifest	yle			
* 6.1 Are you managing I was never a healthy I am eating the same a I am able to eat health I try but do not always	to eat a health eater as before by meals	ny diet (with adequ	uate fresh fruits and	d vegetables)	
I cannot manage to ea	at a healthy diet				

* 6.2	Are you managing to eat regular meals?
	I could never eat regular meals
	My meal frequency is the same as before
	I am able to eat regular meals
	I try but do not always manage to eat regular meals
	I cannot manage to eat regular meals
* 6.3	How have your levels of exercise changed since the start of COVID pandemic
	I never exercised regularly
	I am exercising the same as before
\bigcirc	I am able to exercise more than before
\bigcirc	I try but do not always manage to exercise as before
\bigcirc	I cannot exercise same as before
± C 4	Here have a second and a standard and the standard COMP and desire
^ 6.4	How have your levels de-stressing activity changed the start of COVID pandemic
	I am doing this the same as before
	I am able to do de-stressing activity more than before
	I try but do not always manage to do de-stressing activities as before
	I cannot do de-stressing activities same as before

Below are some statements about feelings and thoughts.

	None of the time	Rarely	Some of the tim	e Often	All of the time
I've been feeling optimistic about the future	0	0	0	0	0
l've been feeling useful	\bigcirc			\bigcirc	\bigcirc
've been feeling relaxed				\circ	
've been dealing with problems well	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
've been thinking clearly					
've been feeling close to other people	\bigcirc	\bigcirc	\bigcirc		
've been able to make up my own mind about hings	\circ	\circ	\circ	\circ	
			= -		mental health and (. (Optional)
			= -		
	OVID-19 pander		= -		
ellbeing during the C	OVID-19 pander	nic that has not	= -		
CoPE-HCP Stud	OVID-19 pander y eeling regardin he likert scale to	mic that has not	been asked abou	t in this survey	y. (Optional)
ellbeing during the C	OVID-19 pander y eeling regardin he likert scale to your work.	g work o what degree	the following sta	t in this survey	y. (Optional)
CoPE-HCP Stud OVID19 and my feeling towards	y eeling regardin he likert scale to your work. s as 0 = never, as	g work o what degree	the following sta	t in this survey	y. (Optional)
CoPE-HCP Stud COVID19 and my fe Please answer in the	y eeling regardin he likert scale to your work. s as 0 = never, as	g work o what degree nd 6 as every d w times a Once a	the following sta	t in this survey	pplicable to you for A few times a

* 2. Do you feel you are more irritable or impatient with your colleagues/patients during the course of your work? Yes
○ No
To some extent
Prefer not to disclose
CoPE-HCP Study
Further information
Thank you for taking the time to complete this survey.
We know these are challenging times and some may find this unchartered territory overwhelming. If you have been affected by any of the questions in the survey, or feel that you need support for your emotional well- being, you may find some useful resources here .
An important aspect of this study is to understand the later effects of the current pandemic on your physical and psychological well-being. We hope to evaluate this with two shorter follow-up surveys in the next 4 months. This will enrich the information collected from the study and hopefully guide further support to healthcare professionals in future pandemics. If you agree to be contacted, please provide your contact email below.
Please note that we will not ask you for any personal identifiable information and all data collected will be anonymized.
* I am happy to participate in the next phase of this study (NB: that survey will be considerably shorter)
Yes
○ No
CoPE-HCP Study
My email address is:
CoPE-HCP Study

If you have any feedback, or comment on the CoPE-HCP study,	please feel free to share it here.
If you need to contact us, please email us at cope.hcp@qmul.ac.uk	
NB: please note that if you are concerned about your mental or physical health or any other health related issue, please contact your GP or occupational health departments. You may also like to use the online resources mentioned in <u>our website</u>	

THANK YOU FOR PARTICIPATING IN THE COPE-HCP STUDY!