**Title**

4

5

6 People from ethnic minorities seeking help for Long Covid: a qualitative study

7

# 8 Running Head

9

10

11 Ethnicity and lived experiences of Long Covid

12

13

14 **Authors**

15

16 Nina Smyth1, Damien Ridge1, Tom Kingstone2,3, Dipesh P Gopal4, Nisreen A Alwan5,6, Alexa Wright7,

17 Ashish Chaudhry8,9, Sophie Clark8, Rebecca Band10, Carolyn A Chew-Graham2

18

For Review

19

# 20 Qualifications, Job title, ORCID:

21

22

1. Nina Smyth, PhD, Reader, [0000-0001-9047-6958;](http://orcid.org/0000-0001-9047-6958) Damien Ridge, PhD, Professor, 0000-0001-9245-
2. 5958; Tom Kingstone, PhD, Senior Lecturer, [0000-0001-9179-2303;](http://orcid.org/0000-0001-9179-2303) Dipesh P Gopal, MRCGP MRes,
3. GP & NIHR School for Primary Care Research (SPCR) Primary Care Clinicians Career Progression
4. Fellow, 0000-0002-1787-7963; Nisreen A Alwan, PhD, Professor, [0000-0002-4134-8463;](https://orcid.org/0000-0002-4134-8463) Alexa
5. Wright, PhD, Artist; Ashish Chaudhry, Patient Collaborator; Sophie Clark, Patient Collaborator;
6. Rebecca Band, PhD, Senior Research Fellow, 0000-0001-5403-1708; Carolyn A Chew-Graham,, MD,
7. Professor, [0000-0002-9722-9981](http://orcid.org/0000-0002-9722-9981)

30

31

32

# 33 Affiliations

34

1. 1School of Social Sciences, University of Westminster, London, United Kingdom

Only

1. 2School of Medicine, Faculty of Medicine and Health Sciences, Keele University, Newcastle,
2. Staffordshire, United Kingdom
3. 3Midland Partnership University NHS Foundation Trust, Research & Innovation Department,

39

1. Stafford, UK
2. 4Wolfson Institute of Population Health, Queen Mary University of London, London, United Kingdom
3. 5School of Primary Care, Population Sciences and Medical Education, Faculty of Medicine, University
4. of Southampton, Southampton, United Kingdom,
5. 6University Hospital Southampton NHS Foundation Trust, Southampton, United Kingdom
6. 7School of Humanities, University of Westminster, London, United Kingdom
7. 8Patient advisor
8. 9Faculty of Biology, Medicine and Health, The University of Manchester, Manchester, UK

48

49 10NIHR Applied Research Collaboration Wessex, Southampton, United Kingdom, School of Health

50 Sciences, Faculty of Environmental and Life Sciences, University of Southampton, Southampton,

51 United Kingdom

52

53 Corresponding Author: Carolyn A Chew-Graham

54

55

56

57

58

59

60

1

2

3 People from ethnic minorities seeking help for Long Covid: a qualitative study.

4

5

# 6 Abstract

7

8 *Background:* People from ethnic minority groups are disproportionately affected by COVID-19, are

9

10 less likely to access primary healthcare and report dissatisfaction with healthcare. Whilst the

11 prevalence of Long Covid in ethnic minority groups is unclear, these groups are under-represented in

12 Long Covid specialist clinics and Long Covid lived experience research which informed the original

13

14 Long Covid healthcare guidelines.

15

16 *Aim:* To understand lived experiences of Long Covid in people from ethnic minority groups.

17

18

For Review Only

19 *Design & setting:* Qualitative study with people living with Long Covid in the UK.

20

21 *Method:* Semi-structured interviews with people who self-disclosed Long Covid were conducted

22

1. (between June 2022 and June 2023) via telephone or video call. Thematic analysis was conducted.
2. People living with Long Covid or caring for someone with Long Covid advised on all stages of the
3. research.

26

27

1. *Results:* Interviews were conducted with 31 participants representing diverse socio-economic
2. demographics. Help-seeking barriers included little awareness of Long Covid or available support and
3. not feeling worthy of receiving care. Negative healthcare encounters were reported in primary

31

1. healthcare; however, these services were crucial for accessing secondary or specialist care. There
2. were further access difficulties and dissatisfaction with specialist care. Experiences of stigma and
3. discrimination contributed to delays in seeking healthcare and unsatisfactory experiences, resulting
4. in feelings of mistrust in healthcare.

36

37

38 *Conclusion:* Experiences of stigma and discrimination resulted in negative healthcare experiences and

39 mistrust in healthcare, creating barriers to help-seeking. Empathy, validation of experiences, and

40

41 fairness in recognition and support of healthcare needs are required to restore trust in healthcare.

42

43

# 44 Novelty statement

45

46

47 The study explored the lived experiences of people from ethnic minority groups living in the UK

48 accessing healthcare services for Long Covid. Experiences of stigma and discrimination create

49

50 mistrust in healthcare and are barriers to acceptable and appropriate healthcare.

51

52

53 **Keywords**

54

55

56 Long Covid; primary healthcare; ethnic minorities

57

58

# 59 How this fits in

60

1

2

3 People from ethnic minority groups are less likely to present to primary healthcare for Long Covid.

4

1. This study explored the lived experiences of Long Covid amongst people from ethnic minority groups.
2. Participants were often previously unaware of Long Covid or available support and some described
3. not feeling worthy of receiving care. Experiences of stigma and discrimination contribute to a lack of
4. trust in healthcare professionals and services, and are common in previous negative healthcare

9

1. encounters. Receiving empathy, validation, and fairness in recognition of symptoms, and support is
2. needed to enhance trust and safety in healthcare.

12

13

# Introduction

15

1. Long Covid, the patient-preferred term1, is the experience of persistent symptoms for more than 12
2. weeks following a COVID-19 infection. In early 2023, Long Covid was estimated to affect 1.9 million

For Review Only

18

1. adults in the UK2. An estimated 200 million people are thought to be affected globally3. The National
2. Institute for Health and Care Excellence (NICE)4 use the term post-acute COVID-19 syndrome.
3. Symptoms can be physical, cognitive, or psychological5 with debilitating impacts on people’s daily

22

1. lives5–7. People living with Long Covid describe difficulty accessing healthcare or feeling that they are
2. not believed by General Practitioners (GPs)8–12. GPs describe their own challenges managing people
3. with Long Covid13.

26

27

1. People from ethnic minorities were disproportionately affected by the COVID-19 pandemic – related
2. to socio-economic deprivation and working in COVID-19 exposed sectors6,14. However, the evidence
3. on the prevalence of Long Covid amongst ethnic minority groups is conflicting15–19. People from these

31

1. backgrounds are less likely to present to primary healthcare as indicated by clinical coding of Long
2. Covid20, are less likely to gain access to Long Covid clinics21,22, and are under-represented in Long
3. Covid research8,23. In general, people from ethnic minorities report less satisfaction with primary
4. healthcare due to factors including lack of care demonstrated by practitioners, a lack of trust in

36

1. professionals and being less involved in decision-making24.

38

39 People living with Long Covid experience stigma12,25 where they are devalued or discredited by

40

1. society because of their condition26. Stigma is not an uncommon experience for people living with
2. health conditions which have a history of sensationalism in the media, such as mental health
3. difficulties or HIV27,28. People may experience health-related stigma in different ways, such as
4. through social exclusion, rejection, blame, and negative attitudes associated with their health

45

1. condition29. Stigma can be further impacted by intersections with pre-existing inequalities, such as a
2. person’s gender, ethnicity, or sexuality28,30. The damaging impact of stigma on healthcare access and
3. experiences, as well health outcomes, is well documented27,28,31,32. Stigma experiences may be wide-

49

50 ranging for people living with Long Covid from ethnic minority backgrounds. For example, there may

51 be stigma attached to having COVID-19 from others in various community settings31, and patients

52 may suffer discrimination in healthcare (e.g. related to racism33). All of this may contribute to

53 avoidance of the ‘Long Covid’ label, and disengagement with healthcare and/or inadequate

54

55 healthcare experiences, thus potentially widening health inequalities28,32,34.

56

57 Our study aimed to explore the lived experiences of Long Covid in people from ethnic minorities in

58

59 the UK focusing on experiences of accessing healthcare.

60

1

2

3 **Methods**

4

5

6 Qualitative methodology was used to understand experiences of Long Covid, enabling exploration of

7 lived experiences35, which are crucial to informing care and management of health conditions4,36.

8 Further details can be found in the study protocol37. Ethical approval was obtained from the

9

10 University of Westminster (ETH2223-1313).

11

12 *Advisory groups*

13

14

1. A patient advisory group consisting of 1 male and 6 females living with or caring for someone living
2. with Long Covid, from a range of ethnic minority backgrounds, complemented an expert advisory
3. group of 6 members interested in Long Covid and ethnic minority health. Patient advisors helped

For Review Only

18

1. develop the project aims whilst both groups advised on study design, methodology, analysis, and
2. dissemination.

21

22

23 *Participants*

24

1. Adults, aged >18 years, with self-disclosed Long Covid, were recruited via advertisements through
2. social media, support groups, university sites, faith/religious networks, community organisations, and
3. advisory groups. We purposively sampled38 people from an Arab, Black, South Asian or any minority

28

1. mixed background. Participants were asked to describe their ethnicity; the exact phrase provided
2. was used to identify participant quotes. Participants completed a Long Covid checklist (based on
3. World Health Organisation definition39) confirming participants experienced COVID-19 symptoms

32

1. (probable or test confirmed) lasting 12 weeks or longer; symptoms were not explained by another
2. condition; and symptoms generally impacted their everyday functioning. Seeking healthcare or
3. receiving a Long Covid diagnosis was not necessary for study inclusion.

36

37

1. *Data generation*

39

1. A topic guide directed one-to-one semi-structured interviews (see Table 1) and was modified
2. iteratively as data were generated and analysed. Participants provided informed consent prior to the

42

1. interview. Interviews were conducted online, using video software (Microsoft TeamsR), with the
2. camera turned on (at least initially to confirm participant identity)40 or via telephone.

45

1. Interviewers were four females from different backgrounds (two were British White, one was Polish
2. White and one South Asian) and one male from an Australian White background. Interviewers had

48

49 varying years of qualitative expertise and were unknown to participants. Interviews were conducted

50 in English between June 2022 and June 2023 (duration: average 1:36, range 00:54-04:31, hr:min).

51 Interviews were digitally recorded, transcribed, and anonymised. Participants received a debrief form

52

53 (including details of Long Covid support) and a shopping voucher following the interview.

54

55 Analysis

56

57 Anonymised interview transcripts were uploaded into NVivo software for coding. The first author

58 read all transcripts and analysed the data iteratively using inductive thematic analysis41 and constant

59

60 comparison42. Interpretation of the findings were discussed with the study authors, patient and

1

2

3 expert advisory groups, and during two online public stakeholder workshops, attended by people

4

5 living with Long Covid, carers, researchers, healthcare professionals, and members from Long Covid

6 charities. All authors were involved in debating and developing multiple iterations of the manuscript

7 until finalised.

8

9

10 **Findings.**

11

12 Participant Demographics.

13

14

15 Thirty-one participants were interviewed with a range of socio-economic demographics and

16 experiences (see Table 2). The themes developed include: ‘symptoms and seeking help’; ‘navigating

17 healthcare access’; and ‘experiences and perceptions of stigma and discrimination’. Illustrative data

For Review Only

18

19 is provided to support the analysis. Data extracts are labelled using pseudonyms, gender, and

20 ethnicity.

21

22

23 *Symptoms and seeking help*

24

1. Acute COVID-19 symptom severity varied. Some participants described mild symptoms that were
2. manageable at home, often requiring adjustment to their daily routines. Other participants described

27

1. more severe symptoms resulting in them seeking urgent medical attention and/or leaving them
2. feeling scared, helpless and/or debilitated. Although many participants described pre-existing
3. conditions, most described themselves as relatively healthy previously:

31

32

33 *‘…The first day I had a bit of a fever. Umm and then for a couple of days after that I had some*

34 *difficulty breathing and I had a lot of joint pain and fatigue…I'm usually quite healthy and I*

35 *like do exercise and stuff, so that was the first for me, like not being able to breathe*

36

37 *properly…so I kind of just had to lie down or just sit down…’ Aarya, Female, Bangladeshi*

38

39 Participants described a slow realisation that they were not recovering following an acute COVID-19

40 infection. They either seemed to take a long time to recover, or felt better and then experienced

41

42 relapsing symptoms:

43

1. *‘...I just thought like “ohh I need to start going to bed earlier or I must just be tired from*
2. *work’’…I never thought it was like a disease. But then it just started getting worse and worse,*
3. *and then it started getting to a stage where like I was really noticing it…’ Hassan, Male, South*
4. *Asian and White Heritage*

48

1. Participants described ongoing symptoms relating to different parts of their body, with some also
2. describing disruptions to their family lives, daily routines and/or their employment. Some symptoms

51

1. were so severe they led to participants being unable to carry out ordinary daily tasks and seeking
2. medical attention:

54

1. *‘My body just kind of went ‘’woof’’…I couldn't stay awake for a whole day…I would get*
2. *vertigo…the most basic things just became impossible…I didn't have the energy to…prepare a*
3. *meal…brush my teeth or stand up in the shower…just all sorts of really basic bits of self-care*
4. *or like home kind of management would just not happen…I stayed off work…for just over a*
5. *year…I started to get just like mental fatigue as well…trying to concentrate at the*

60

1

2

1. *computer…would just make me feel nauseous for the rest of the day and really tired…’ Abi,*
2. *Female, Black Asian*

5

6

1. Sometimes a lack of awareness of Long Covid as a condition - or that support might be available for
2. their symptoms - was related to delaying help-seeking:

9

10 *‘People aren’t aware that it’s [Long-Covid] really a thing, or that what they’re experiencing*

11 *might be linked to it [COVID-19]…I would have asked for help if I knew there was treatment*

12 *available...if there was something that I knew existed…’ Aarya, Female, Bangladeshi*

13

14 Other participants described delaying help-seeking, because of cultural barriers, such as believing

15

16 they need to look after others before themselves. Some participants made comparisons with others

17 who were worse off, and so felt they were not a candidate for care43, delaying help-seeking:

18

For Review Only

19 *‘...I've always found it hard to make my needs known…and I think that's a cultural upbringing*

20

21 *thing...looking after other people first...’ Naomi, Female, Asian*

22

1. *‘…I just live with it, there's no support for it. I just live with it, and I feel it's not as bad as other*
2. *people…my symptoms are mild comparing with others because it is long-term…’ Jamila, Female,*
3. *Arabic*

26

27 *Navigating healthcare access*

28

29

1. When seeking healthcare for symptoms, participants commonly came up against complex and
2. inflexible primary healthcare systems, making it difficult to access a GP appointment. Participants
3. described how their symptoms, such as, breathlessness, memory, or concentration difficulties

33

34 hindered access and made it difficult to speak to a doctor and communicate symptoms:

35

1. *‘…It's been quite negative because every time we try to call the GP or like we tried to call 111 it*
2. *was like, it was basically just really, really hard to reach someone…and once you get through,*
3. *they'd be like ‘’call this person or try this other service’’ so we're just kind of going in a*
4. *roundabout...’ Aarya, Female, Bangladeshi*

40

41

1. *‘…It was really hard to even have a phone call with that doctor because I kind of have to…write*
2. *your thoughts down beforehand, my mum suggested that. Write it all down so you don't*
3. *forget.’ Naomi, Female, Asian*

45

46 Many participants therefore described how the barriers associated with navigating primary

47 healthcare systems (i.e. getting an appointment, difficulties communicating their symptoms or

48

49 concerns) meant they needed the help of wider systems of support, such as family members:

50

51 *‘…If not for some assistance that my wife’s brother could actually [provide], I don't think I*

52 *would have been admitted [to hospital], because they were inferring that we could just go back*

53 *home…the help that I got from a GP was through my wife's brother…he called the GP in for*

54 *me…so he was actually just concerned.’ Peter, Male, Black British*

55

56

1. GPs were recognised by participants as gatekeepers to wider support for Long Covid. However,
2. notably, participants spoke about the need to become *‘your own doctor’*. They described how they
3. felt they had become experts in their condition from their own research and experience to

60

1

2

1. navigating ongoing or further support. This typically involved participants lobbying for investigations,
2. medication, or referrals to specialist services:

5

6

1. *‘I'm having to chase my own results and sort of be hypervigilant…I’m constantly having to test*
2. *my results…speak to my GP to see if they've got it [results], to see if they want to do something*
3. *about it…' Meera, Female, British Indian*

10

1. A few participants saw their GP as excellent and described positive interactions. They described
2. receiving recognition and being believed, which were crucial to their mental health and feelings of
3. trust and safety:

14

15

1. *‘…My GP is amazing…I've seen two separate GPs in the past couple of years…I feel so, so lucky*
2. *to have this amazing surgery…most doctors I've met have not taken that approach, but my GP*
3. *absolutely does. So, he really, really listens…I totally trust him…’ Adunola, Female, Black African*

For Review Only

19

1. However, a more common experience described by participants was healthcare not meeting their
2. needs. Many participants did not feel they had support from GPs (or other primary care services).
3. Some participants put this down to GPs having limited awareness and knowledge of Long Covid, as
4. well as limited time or resources, and/or available clinical treatments or investigations:

24

25

1. ‘*I’d say the NHS, the GPs, specialists, and A&E have been, I don’t know, if they are well*
2. *enough informed or can’t keep up with the research or restricted by what they can do. Apart*
3. *from ruling out any other problems, I have received pretty much zero support from them. All*
4. *the advice has been terrible…’ Antonio , Male, Latino*

30

31 Most participants said GPs seemed to have little empathy for their suffering and seemed to have

32

33 little interest in engaging with Long Covid:

34

1. *‘My GP never really thought that she needed to do anything really, basically…she just said,*
2. *‘'oh well, you'll get better’'…’* Hassan, Male Pakistan, Mixed heritage

37

1. *‘…It's almost as if they would rather not know because they don't know how to fix [Long-*
2. *Covid].’ Meera, Female, British Indian*

40

1. Referrals to onward care were perceived by those who attempted to access this support as difficult

42

1. to obtain. Barriers to accessing secondary care (including Long Covid specialist clinics) included a lack
2. of awareness from the participants about available services, as well as primary care providers not
3. being aware of the referral processes involved:

46

47

48 *‘I've been passed from pillar to post, chasing referrals with the hospitals because either my GP*

49 *has done it on the wrong form, or they've done it incorrectly.’ Samira, Female, British Indian*

50

51 *‘I didn't know there is a special clinic that deal with after COVID [Long Covid), the problem, no*

52 *no-one mentioned anything.’ Jamila, Female, Arabic*

53

54

55 Participants generally needed to be persistent in advocating for referrals to onward care:

56

57 *‘I reported it to my GP…but I had to really push before my GP referred me to the Long Covid*

58 *clinic.’ Deepti, Female, British Indian*

59

60

1

2

3 Many times, participants reflected on their disappointment when they accessed Long Covid clinics.

4

5 Care did not seem to match participants’ symptoms, and thus support was perceived as unhelpful.

6

1. *‘…a cardiologist give me a medical advice to drink fruit juice and try not to think about being*
2. *ill…I had a doctor tell me that I have to stop resting and actually push through exercise to feel*

9

1. *better...I’ve been to a Long Covid clinic which was basically one doctor, he’s a pulmonologist*
2. *and he said because I can breathe properly, he can’t really help me with anything else...’*
3. *Antonio, Male, Latino*

13

14

1. Some participants were able to access appropriate support in terms of being believed and/or
2. referred for more in-depth investigations. One participant described this was only after doing
3. intensive research and lobbying for the referral, while another described joined-up care:

For Review Only

18

19

1. *‘I [doctor] believe everything you're saying and we're finding long haulers have this post*
2. *inflammatory issue going on and all these other issues that tests are coming back normal, but*
3. *there's something very wrong going on here...so, he sent me for another MRI scan but with a*
4. *more specialized perfusion…that came back showing I had myocarditis, heart inflammation…’*
5. *Ahmed, Male, Chile, White Heritage*

25

26

1. ‘*The person that got in touch with me was, for the [Long] Covid clinic, an occupational therapist.*
2. *She has been an absolute godsend...I've described her as the lynchpin in all this because she's*
3. *collating everything, she's going back to the multidisciplinary team and she's just helping me*
4. *emotionally as well…fantastic.’ Samira, Female, British Indian*

31

32 *Experiences and perceptions of stigma and discrimination*

33

34

1. Participant experiences of health-related stigma29 were evident in narratives of interactions with
2. others. Here, participants reflected on a lack of awareness of Long Covid being linked to the stigma
3. around the condition:

38

39 *‘…They don't know what Long Covid is…if they knew about it, they…will be less quick to*

40 *judge…it's not really…talked about…when you treat a particular illness or sickness, it's*

41 *expected that you feel better, completely and no like lingering symptoms…something like*

42

43 *Long Covid is really difficult for people to understand…’ Winston, Male, Black/Caribbean*

44

45 Participants described how others treated them differently because of their Long Covid symptoms:

46

1. *‘So many people are still not aware of the post [Long] COVID. They’re still thinking it’s COVID-*
2. *19 as it were, and many people are still scared of contracting the COVID, so you need to like,*
3. *explain to them…look, this is not COVID, this is just…not something to be scared of.’ Jevaun,*
4. *Male, African Caribbean*

51

52

53 One participant described how they did not want to connect their ongoing symptoms with COVID-19:

54

1. *‘I think I've left COVID-19 behind…I don't want to link it [symptoms] to COVID-19, but I don't*
2. *want to believe it still because of COVID-19 that I'm still having these symptoms…’ Char,*
3. *Female, Black African*

58

59

60

1

2

3 Consequently, participants needed encouragement from personal networks to provide validation

4

1. that their symptoms might be linked to COVID-19, or that symptoms were real or worthy of accessing
2. healthcare:

7

1. *‘I need to be sure…I think I'm okay talking to someone who is close to me, will actually give me*
2. *a talk to guide me, and then, I would be able to access the doctor, and then, know what the*
3. *issue actually is, so I can be free.’ Char, Female, Black African*

11

12

1. However, seeking support from wider systems of support, such as family members was not always
2. helpful. Some participants anticipated stigma in that they described the need to hide their
3. symptoms, as they expected prejudice, and this was especially reported by females:

16

17

1. *‘…In our culture and community, people don't understand. You always have to pretend [not to*

For Review Only

1. *have symptoms]…they would make nasty remarks about me…’ Manya, Female, South Asian*

20

1. Some participants described how they hid psychological symptoms or resisted mental health labels
2. (e.g., anxiety), meaning they could not talk to others, or discuss the full range of symptoms they were
3. experiencing, as they worried how they would be perceived by others, including by healthcare

24

25 professionals. They anticipated being discredited, dismissed, or not receiving adequate healthcare:

26

1. *‘…It's also just hard to talk about because, yes, you do think, gosh, am I losing my mind, and*
2. *you wonder how people will perceive you because of that.’ Farah, Female, Middle Eastern*
3. *Heritage*

30

1. ‘*I mean, because of my experiences, I started denying anxiety. I don’t have anxiety because I*
2. *realised once anxiety comes into the mix, you get dismissed. So, that was another thing. I just*

33

1. *started saying '’no, I’m not anxious about anything at all, nothing’’...’ Paulette, Female, British*
2. *Black Caribbean*

36

1. Many participants anticipated experiencing negative healthcare encounters because of previous
2. experiences in healthcare. For instance, a common experience described by participants was having
3. their accounts discredited or dismissed by healthcare professionals:

40

41

42 *‘So, I didn't [see healthcare for Long Covid symptoms] that's probably because I just assumed*

43 *they would just say, like, ‘'just rest’' or whatever. Yes, so I would say that my past experience*

44 *with the dismissiveness, so there's no point trying to address this.*’ *Anjali, Female, British Indian*

45

1. Participants attributed being treated differently because of certain characteristics about themselves
2. like ethnicity, gender, mental health and body type (intersectional stigma28,30). Participants
3. considered the treatment they received (e.g. gaslighting) to be linked to their ethnicity and racism in
4. particular:

50

51

52 *‘…I mean, you’re going for help, so people ignoring you and you feel like you’re not feeling pain,*

53 *possibly because you’re a Black person, you’re lying…’ Paulette, Female, British Black Caribbean*

54

1. *‘…I don’t like being in the hospital, especially white hospital…there is a way you are being*
2. *treated…maybe because you have been seen as probably an ethnic minority…’ Peter, Male,*
3. *Black British*

58

59

60

1

2

1. Other participants believed that healthcare professionals saw other markers (like mental illness or
2. their weight) as the cause of their symptoms, and so this could get in the way of receiving treatment:

5

6

1. *‘…They always pull it back to your weight, because it seems to be the easiest thing and the*
2. *most obvious thing for them to comment on…the discriminatory act comes into it because it's*
3. *almost like saying well, you are responsible for your weight, therefore it is on you that this has*
4. *happened.' Samira, Female, British Indian*

11

1. Several female participants experienced intersectional stigma28,30 in particular, and described the
2. difficulties of having their symptoms taken seriously, as healthcare professionals might think they are

14

1. overreacting because they are female, or that the Long Covid condition itself might be discredited as
2. it is associated mainly with women:

17

18 *‘…I don't have any evidence of it, but I sometimes feel like if I was a man I would be taken more*

For Review Only

19

1. *seriously. I'm not sure why but I've had healthcare professionals…questioning my symptoms*
2. *and they're trying to convince me or suggest that my symptoms are actually things like anxiety*
3. *or, you know, being overly worried about COVID or that I'm exaggerating my symptoms.’*
4. *Farah, Female, Middle Eastern*

24

1. Notably, when participants felt discriminated against because of ethnicity, body type or gender this
2. reduced their feelings of safety and trust in their healthcare. This medical mistrust44 hindered help-

27

1. seeking and quality of care received, with participants feeling anxious or stressed about seeking
2. further healthcare support, with some only seeking healthcare as a last resort:

30

31 *‘…I've experienced racism and sexism in my healthcare…I'm really nervous about going to the*

32

1. *doctors now, I will not go unless I am desperate now, basically…with my Long Covid, I didn't*
2. *actually seek help until it got to eight months…and then I am still dismissed…’ Deepti, Female,*
3. *British Indian*

36

1. *‘I got distrust of medical staff now, especially now, especially as a person of colour. I don’t trust*
2. *anything they say or do. It [is] just experiences after experiences after, experiences, time after*
3. *time.’ Paulette, Female, British Black Caribbean*

40

41

1. Participants wanted fairer treatment from healthcare professionals. For example, one participant
2. reflected on how they wanted to be treated the same as people from a White background:

44

1. *‘…that treatment would just be fair…just like everybody else is treated…but I feel my people*
2. *should also be, my people should also be treated in that way.’ Peter, Male, Black British*

47

48

1. Participants advocated that their suffering needed to be taken at face value by health professionals,
2. for things to improve for people like them, including recognition that their suffering is equal to white
3. patients, regardless of how they present their symptoms:

52

53

54 *‘Not be gaslighted, not be fobbed off, not be pushed from pillar to post. Just to be treated. If I*

55 *come in with symptoms, treat me the same you would as if it was a Caucasian person.’*

56 *Anthony, Male, Black American*

57

58

59

60

1

2

# 3 Discussion

4

5

6 **Summary**

7

8 People from ethnic minority groups, and males, are under-represented in research into the lived

9

1. experiences of Long Covid, which has informed current NICE healthcare guidelines4. This study
2. explored lived experiences of Long Covid in men and women from ethnic minorities, substantially
3. adding to the literature on Long Covid experiences among these groups11. Participants described a

13

1. range of reasons why they delayed help-seeking (e.g. unaware of Long Covid as a condition, or
2. available support, not feeling a candidate for care). Accessing primary care involved barriers, such as
3. inflexible or complex systems, symptoms getting in the way of communication with doctors, and lack
4. of interest in Long Covid in primary care. Secondary care or specialist Long Covid clinics could require

For Review Only

18

1. persistence in asking for a referral and/or chasing a referral. Long delays in accessing specialist Long
2. Covid services were common. Many participants expressed disappointment with the care they
3. ultimately received in both primary and secondary healthcare.

22

23

1. Participants from ethnic minority backgrounds reported experiencing additional burdens when
2. accessing and receiving healthcare for Long Covid. For example, they described experiencing health-
3. related stigma that intersected with ethnicity, gender, body type and mental health status.

27

1. Participants who wanted their suffering to be recognised also advocated for fairer treatment.
2. Experiences of stigma and discrimination reduced participants’ trust in healthcare and were clear
3. barriers to accessing good care.

31

32

33 Further analyses related to the wider data from this study will be published elsewhere led by the

34 second author. This further analysis focuses on the need for recognition and legitimacy for Long

35 Covid, how medical ambivalence manifests for patients, and the important role of wider sources of

36

37 support.

38

# 39 Strengths and Limitations

40

41

1. A key strength of the study is participant diversity in terms of ethnic minority background, equal
2. representation of males and females, socio-economic status, and residence across the UK. However,
3. there were fewer representations from older age groups (60+ years). It is unknown if participants

45

1. migrated to the UK or if English was their first language, which may impact accessing healthcare and
2. could be explored in future research. Experiences were from a range of ethnic minority groups, and
3. thus experiences may not be representative of a single ethnic minority.

49

50

1. Another key strength of the study is involvement from a diverse patient advisory group, in terms of
2. ethnicity and residence across the UK, in all stages of the research as well as involvement from an
3. expert advisory group at key stages of the research. This resulted in research that contributed to

54

1. wider understanding of Long Covid in diverse groups. Criteria for Long Covid was participant self-
2. disclosed, based on the WHO clinical case definition of post Covid-19 condition39; this meant the
3. inclusion of people who had not accessed healthcare for their symptoms45. Involvement and

58

59 engagement with the advisory groups and stakeholder workshops guided the interpretation of

60 findings, providing support to the analysis. Experiences were not directly compared with people from

1

2

3 White backgrounds. To better understand the specific challenges faced by people from ethnic

4

5 minorities (beyond ethnic minority people’s perceptions of the issues), a comparative analysis would

6 be needed.

7

# 8 Comparison with existing literature

9

10

1. The current findings echo research showing ethnic inequalities in accessing healthcare46,47. However,
2. they add considerable nuance to our understanding of why people from ethnic minority backgrounds

13

1. are less likely to access primary care for Long Covid20, and why, when primary care services are
2. accessed by these groups, they report less satisfaction with care received 24, adding to what we know
3. about experiences from people from White backgrounds8–10,13.

17

18

For Review Only

1. Despite specialist Long Covid services established across England48,49, some of our participants were
2. unaware of services, or experienced difficulties accessing them. This is consistent with an inadequate
3. representation of patients from ethnic minorities in Long Covid clinics21,22. Moreover, some

22

1. participants expressed dissatisfaction with care received from Long Covid clinics, consistent with the
2. experiences of disadvantaged groups11.

25

26 Typical experiences for people living with Long Covid, regardless of ethnic background, include

27

1. difficulties accessing healthcare, not being believed by their doctor, lack of understanding or
2. knowledge of Long Covid from their doctor, overstretched and complex health systems, and needing
3. to advocate to get care8–10,12,13. People from ethnic minority backgrounds experienced additional

31

1. burdens associated with Long Covid, particularly linked to fearing prejudice from others (within the
2. community and healthcare). This often resulted in delayed help-seeking and denying aspects of their
3. condition, such as psychological symptoms, which is consistent with previous research indicating that
4. stigma can be a particular barrier to disclosing mental health problems for people from ethnic

36

1. minorities28,50. Participants also experienced anticipated stigma where care expectations were based
2. on previous negative healthcare encounters, intersecting with racism, body type or gender28,30,
3. delaying health-seeking. They also believe that they receive less favourable treatment compared to

40

1. people from White backgrounds, and they connect this to their ethnicity (intersectional stigma)28,30.
2. These findings are consistent with racism contributing to ethnic inequalities in healthcare access, as
3. well as dissatisfaction with care received 51,52. In all, the various kinds of discrimination experienced
4. by participants resulted in reduced trust in healthcare. Such ‘medical mistrust’44 is often seen in

45

1. ethnic minority groups accessing care for Long Covid11, and other conditions, including mental health
2. and maternity care53,54. Consequently, people from ethnic minority backgrounds in general may feel
3. less deserving of receiving care than other groups43. When care was sought many were dismissed,

49

1. confirming their expectations - and for some intensifying the emotional burden - of living with Long
2. Covid.

52

# 53 Implications for research and/or practice

54

55

1. Primary care is the first point of contact for accessing support for Long Covid55; it has a crucial role in
2. reducing health inequalities for under-served groups56, including people from ethnic minorities, who

58

1. are less likely to access these services20. Our findings suggest that this may be due to health-related
2. and intersectional stigma28–30. People fear poor care or discrimination, which reduces trust in

1

2

3 healthcare. Dismissing or discrediting people’s suffering can result in people feeling discriminated

4

1. against because of their ethnicity, body type or gender contributing to people not receiving adequate
2. care. Moreover, there was a lack of awareness of Long Covid symptoms or available support services
3. as well as participants not feeling worthy of receiving care44. However, support from people’s social
4. networks may facilitate help-seeking behaviours.

9

10

1. Findings from this study have informed development of the Long Covid support tool: [https://long-](https://long-covid-care.org.uk/)
2. [covid-care.org.uk/](https://long-covid-care.org.uk/) (led by STIMULATE-ICP57) to help raise awareness of Long Covid symptoms and

13

1. available support for both people who may have Long Covid symptoms and healthcare professionals.
2. NICE Long Covid guidelines4 were updated in 2024 however, lived experiences from diverse groups
3. are still not represented; the current findings should be considered when managing people with
4. symptoms (probable or confirmed) of Long Covid.

For Review Only

18

19

1. Participants' accounts of being dismissed, disbelieved, or discredited speaks of epistemic injustice
2. (i.e. not acknowledging or undermining people’s knowledge or experiences)58 when seeking

22

1. healthcare for Long Covid59, especially related to racism and sexism60. Key recommendations from
2. the NICE guidelines for Long Covid are to believe, listen to and legitimise people presenting with
3. symptoms indicating Long Covid4. The findings presented here further highlight the importance of
4. these recommendations for people from ethnic minority backgrounds who face additional challenges

27

1. when seeking care and support for Long Covid. Awareness-raising strategies to reduce stigmatising
2. beliefs or behaviours from healthcare professionals are needed to deliver care that is non-
3. discriminatory to improve patient care. Empowering GPs to be welcoming and open61,62 when

31

1. presented with limited treatment options and limited understanding of a condition, such as Long
2. Covid, is needed. In the case of Long Covid a focus on listening, believing and empathising9, will help
3. healthcare professionals connect with patients, thus improving patient experiences of warmth in
4. healthcare encounters which people from ethnic minority63 backgrounds are calling for in healthcare.

36

37 This is a crucial step for patients to gain trust in healthcare professionals and services, and may go

38 some way to restoring epistemic justice in healthcare60.

39

# 40 Additional Information

41

42 **Funding**

43

44 This project was funded by the National Institute for Health and Care Research (NIHR) under its

45 Research for Patient Benefit (RfPB) Programme (Grant Reference Number **NIHR203106**). The views

46

47 expressed are those of the author(s) and not necessarily those of the NIHR or the Department of

48 Health and Social Care.

49

50

# 51 Ethical Approval

52

53 Ethics approval from the University of Westminster (ETH2122-1074).

54

55

56

# 57 Acknowledgements

58

59 The authors wish to thank all the participants who took part in the study and the researchers who

60 contributed to data collected: Patrycia Gaszczyk, Jasmina Gurung and Claudia Knowles. We also

1

2

3 thank the patient and expert (Helen Brookes; Shoba Dawson; Asad Khan; Amali Lokugamage;

4

5 Caroline Mitchell) advisory contributors for their time advising on the study. Thanks also to West

6 Midlands Applied Research Collaboration who part fund Carolyn Chew-Graham.

7

# 8 References

9

10 (1) . Callard, F, Perego, E, How and Why Patients Made Long Covid. *Soc. Sci. Med.* **2021**, *268*,

11 113426. doi.org/10.1016/j.socscimed.2020.113426

12

1. (2) . ONS Prevalence of ongoing symptoms following coronavirus (COVID-19) infection in the UK:

14

15 30 March 2023

1. https:/[/www](http://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsan).[ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsan](http://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsan)
2. ddiseases/bulletins/prevalenceofongoingsymptomsfollowingcoronaviruscovid19infectioninth
3. euk/30march2023 (accessed Apr 3, 2024)

For Review Only

19

1. (3) . Chen, C, Haupert, S,R, Zimmermann, L, et al. Global Prevalence of Post-Coronavirus Disease
2. 2019 (COVID-19) Condition or Long COVID: A Meta-Analysis and Systematic Review . *J. Infect.*
3. *Dis.* **2022**, *226* (9), 1593–1607. doi.org/10.1093/infdis/jiac136

23

1. (4) . NICE COVID-19 rapid guideline: managing the longterm effects of COVID-19
2. https:/[/www](http://www.nice.org.uk/guidance/ng188/resources/covid19-rapid-guideline-managing-the-).[nice.org.uk/guidance/ng188/resources/covid19-rapid-guideline-managing-the-](http://www.nice.org.uk/guidance/ng188/resources/covid19-rapid-guideline-managing-the-)
3. longterm-effects-of-covid19-pdf-51035515742 (accessed Apr 3, 2024)

27

28 (5) . Ziauddeen, N, Gurdasani, D, O’Hara, M,E, et al. Characteristics and Impact of Long Covid:

29

1. Findings from an Online Survey. *PLoS One* **2022**, *17* (3), e0264331. doi.org/10.1136/bmjopen-
2. 2021-050979

32

1. (6) . Shabnam, S, Razieh, C, Dambha-Miller, H, et al. Socioeconomic Inequalities of Long COVID: A
2. Retrospective Population-Based Cohort Study in the United Kingdom. *J. R. Soc. Med.* **2023**,
3. *116* (8), 263–273. doi.org/10.1177/01410768231168377

36

37 (7) . Reuschke, D, Houston, D, The Impact of Long COVID on the UK Workforce. *Appl. Econ. Lett.*

38 **2022**, 1–5. doi.org/10.1080/13504851.2022.2098239

39

1. (8) . Ladds, E, Rushforth, A, Wieringa, S, et al. Persistent Symptoms after Covid-19: Qualitative
2. Study of 114 “Long Covid” Patients and Draft Quality Principles for Services. *BMC Health Serv.*
3. *Res.* **2020**, *20* (1). doi.org/10.1186/s12913-020-06001-y

43

44 (9) . Kingstone, T, Taylor, A,K, O’Donnell, C,A, et al. Finding the “right” GP: A Qualitative Study of

45

1. the Experiences of People with Long-COVID. *BJGP Open* **2020**, *4* (5), bjgpopen20X101143.
2. doi.org/10.3399/bjgpopen20X101143

48

1. (10) . Macpherson, K, Cooper, K, Harbour, J, et al. Experiences of Living with Long COVID and of
2. Accessing Healthcare Services: A Qualitative Systematic Review. *BMJ Open* **2022**, *12* (1),
3. e050979. [doi.org/10.1136/bmjopen-2021-050979](https://doi.org/10.1136/bmjopen-2021-050979)

52

53 (11) . Baz, S,A, Fang, C, Carpentieri, J,D, et al. ‘I Don’t Know What to Do or Where to Go’.

54 Experiences of Accessing Healthcare Support from the Perspectives of People Living with

55 Long Covid and Healthcare Professionals: A Qualitative Study in Bradford, UK. *Heal. Expect.*

56 **2023**, *26* (1), 542–554. doi.org/10.1111/hex.13687

57

58 (12) . Brehon, K, Miciak, M, Hung, P, et al. “None of Us Are Lying”: An Interpretive Description of

59

60 the Search for Legitimacy and the Journey to Access Quality Health Services by Individuals

1

2

3 Living with Long COVID. *BMC Health Serv. Res.* **2023**, *23* (1), 1396. doi.org/10.1186/s12913-

4 023-10288-y

5

6 (13) . Brennan, A, Broughan, J, McCombe, G, et al. Enhancing the Management of Long COVID in

7

1. General Practice: A Scoping Review. *BJGP Open* **2022**, *6* (3).
2. doi.org/10.3399/BJGPO.2021.0178

10

1. (14) . Sze, S, Pan, D, Nevill, C,R, et al. Ethnicity and Clinical Outcomes in COVID-19: A Systematic
2. Review and Meta-Analysis. *EClinicalMedicine* **2020**, 100630.
3. doi.org/10.1016/j.eclinm.2020.100630

14

1. (15) . Thompson, E,J, Williams, D,M, Walker, A,J, et al. Long COVID Burden and Risk Factors in 10 UK
2. Longitudinal Studies and Electronic Health Records. *Nat. Commun.* **2022**, *13* (1), 3528.
3. doi.org/10.1038/s41467-022-30836-0

For Review Only

18

1. (16) . Jacobs, M,M, Evans, E, Ellis, C, Racial, Ethnic, and Sex Disparities in the Incidence and
2. Cognitive Symptomology of Long COVID-19. *J. Natl. Med. Assoc.* **2023**, *115* (2), 233–243.
3. doi.org/10.1016/j.jnma.2023.01.016

22

23 (17) . Chilunga, F,P, Appelman, B, van Vugt, M, et al. Differences in Incidence, Nature of Symptoms,

24

1. and Duration of Long COVID among Hospitalised Migrant and Non-Migrant Patients in the
2. Netherlands: A Retrospective Cohort Study. *Lancet Reg. Heal.* **2023**, *29*.
3. doi.org/10.1016/j.lanepe.2023.100630

28

1. (18) . Norredam, M, Hayward, S, Deal, A, et al. Understanding and Addressing Long-COVID among
2. Migrants and Ethnic Minorities in Europe. *Lancet Reg. Heal. – Eur.* **2022**, *19*.
3. doi.org/10.1016/j.lanepe.2022.100427

32

1. (19) . Mkoma, G,F, Agyemang, C, Benfield, T, et al. Risk of Long COVID and Associated Symptoms
2. after Acute SARS-COV-2 Infection in Ethnic Minorities: A Nationwide Register-Linked Cohort
3. Study in Denmark. *PLoS Med.* **2024**, *21* (2), e1004280.

36

37 doi.org/https://doi.org/10.1111/hex.13724

38

1. (20) . The OpenSAFELY Collaborative Walker, A,J, MacKenna, B, et al. Clinical Coding of Long COVID
2. in English Primary Care: A Federated Analysis of 58 Million Patient Records in Situ Using
3. OpenSAFELY. *medRxiv* **2021**. doi.org/10.1101/2021.05.06.21256755

42

1. (21) . Heightman, M, Prashar, J, Hillman, T,E, et al. Post-COVID-19 Assessment in a Specialist Clinical
2. Service: A 12-Month, Single-Centre, Prospective Study in 1325 Individuals. *BMJ Open Respir.*
3. *Res.* **2021**, *8* (1), e001041. doi.org/10.1136/bmjresp-2021-001041

46

1. (22) . Dean, E, What Happens inside a Long Covid Clinic? *BMJ* **2023**, *382*.

48 doi.org/10.1136/bmj.p1791

49

1. (23) . Murali, M, Gumber, L, Jethwa, H, et al. Ethnic Minority Representation in UK COVID-19 Trials:
2. Systematic Review and Meta-Analysis. *BMC Med.* **2023**, *21* (1), 111. doi.org/10.1186/s12916-
3. 023-02809-7

53

54

1. (24) . Magadi, J,P, Magadi, M,A, Ethnic Inequalities in Patient Satisfaction with Primary Health Care
2. in England: Evidence from Recent General Practitioner Patient Surveys (GPPS). *PLoS One*
3. **2022**, *17* (12), 1–20. doi.org/10.1371/journal.pone.0270775

58

1. (25) . Pantelic, M, Ziauddeen, N, Boyes, M, et al. Long Covid Stigma: Estimating Burden and
2. Validating Scale in a UK-Based Sample. M*edRxiv* **2022**. doi.org/10.1101/2022.05.26.22275585

1

2

3 (26) . Goffman, E, Goffman, E, Stigma: Notes on the Management of Spoiled Identity. *Simon and*

4 *Schuster,* **1963**.

5

6 (27) . Hedge, B, Devan, K, Catalan, J, et al. HIV-Related Stigma in the UK Then and Now: To What

7

8 Extent Are We on Track to Eliminate Stigma? A Qualitative Investigation. *BMC Public Health*

9 **2021**, *21* (1), 1022. doi.org/10.1186/s12889-021-11000-7

10

1. (28) . Stangl, A,L, Earnshaw, V,A, Logie, C,H, et al. The Health Stigma and Discrimination
2. Framework: A Global, Crosscutting Framework to Inform Research, Intervention
3. Development, and Policy on Health-Related Stigmas. *BMC Med.* **2019**, *17* (1), 31.
4. doi.org/10.1186/s12916-019-1271-3

15

16 (29) . Weiss, M,G, Ramakrishna, J, Stigma Interventions and Research for International Health.

17 *Lancet* **2006**, *367* (9509), 536–538. doi.org/10.1016/S0140-6736(06)68189-0

For Review Only

18

1. (30) . Turan, J,M, Elafros, M,A, Logie, C,H, et al. Challenges and Opportunities in Examining and
2. Addressing Intersectional Stigma and Health. *BMC Med.* **2019**, *17* (1), 7.
3. doi.org/10.1186/s12916-018-1246-9

22

23 (31) . Vandrevala, T, Alidu, L, Hendy, J, et al. ‘It’s Possibly Made Us Feel a Little More Alienated’:

24

1. How People from Ethnic Minority Communities Conceptualise COVID-19 and Its Influence on
2. Engagement with Testing. *J. Health Serv. Res. Policy* **2022**, *27* (2), 141–150.
3. doi.org/10.1177/13558196211054961

28

1. (32) . Schnyder, N, Panczak, R, Groth, N, et al. Association between Mental Health-Related Stigma
2. and Active Help-Seeking: Systematic Review and Meta-Analysis. *Br. J. Psychiatry* **2017**, *210*
3. (4), 261–268. doi:10.1192/bjp.bp.116.189464

32

33 (33) . Williams, D,R, Lawrence, J,A, Davis, B,A, Racism and Health: Evidence and Needed Research.

34 *Annu. Rev. Public Health* **2019**, *40* (1), 105–125. doi.org/10.1146/annurev-publhealth-040218-

35 043750

36

37 (34) . Earnshaw, V,A, Chaudoir, S,R, From Conceptualizing to Measuring HIV Stigma: A Review of

38

39 HIV Stigma Mechanism Measures. *AIDS Behav.* **2009**, *13* (6), 1160–1177.

40 doi.org/10.1007/s10461-009-9593-3

41

42 (35) . Clarke, V, Braun, V, Successful Qualitative Research: A Practical Guide for Beginners. *Success.*

43 *Qual. Res.* **2013**, 1–400.

44

45 (36) . Gorna, R, MacDermott, N, Rayner, C, et al. Long COVID Guidelines Need to Reflect Lived

46 Experience. *Lancet* **2021**, *397* (10273), 455–457. doi.org/10.1016/S0140-6736(20)32705-7

47

1. (37) . Smyth, N, Alwan, N,A, Band, R, et al. Exploring the Lived Experience of Long Covid in Black
2. and Minority Ethnic Groups in the UK: Protocol for Qualitative Interviews and Art-Based
3. Methods. *PLoS One* **2022**, *17* (10), 1–13. doi.org/10.1371/journal.pone.0275166

51

52 (38) . Patton, M,Q, *Qualitative Research and Evaluation Methods*, 3rd ed.; *SAGE Publications Inc:*

53 *Thousand Oaks, California*, **2002.**

54

55 (39) . World Health Organisation A clinical case definition of post COVID-19 condition by a Delphi

56

57 consensus, 6 October 2021 http[s://www.who](http://www.who.int/publications/i/item/WHO-2019-nCoV-).i[nt/pu](http://www.who.int/publications/i/item/WHO-2019-nCoV-)bl[ications/i/item/WHO-2019-nCoV-](http://www.who.int/publications/i/item/WHO-2019-nCoV-)

58 Post\_COVID-19\_condition-Clinical\_case\_definition-2021.1 (accessed Apr 3, 2024).

59

60 (40) . Ridge, D, Bullock, L, Causer, H, et al. ‘Imposter Participants’ in Online Qualitative Research, a

1

2

3 New and Increasing Threat to Data Integrity? *Heal. Expect. An Int. J. Public Particip. Heal. Care*

4 *Heal. Policy* **2023**, *26* (3), 941. doi.org/10.1111/hex.13724

5

6 (41) . Braun, V, Clarke, V, Using Thematic Analysis in Psychology. *Qual. Res. Psychol.* **2006**, *3* (2), 77–

7

8 101. [doi.org/10.1191/1478088706qp063oa](https://psycnet.apa.org/doi/10.1191/1478088706qp063oa)

9

10 (42) . Glaser, B,G, The Constant Comparative Method of Qualitative Analysis. *Soc. Probl.* **1965**, *12*

11 (4), 436–445. doi.org/10.2307/798843

12

13 (43) . Dixon-Woods, M, Cavers, D, Agarwal, S, et al. Conducting a Critical Interpretive Synthesis of

14 the Literature on Access to Healthcare by Vulnerable Groups. *BMC Med. Res. Methodol.*

15 **2006**, *6* (1), 35. doi.org/10.1186/1471-2288-6-35

16

17 (44) . Shahid, H,J, Dogra, S,A, The Muslim Gaze and the COVID-19 Syndemic. *Religions*. **2022,** 13 (9),

18 780. doi.org/10.3390/rel13090780

For Review Only

19

20 (45) . Alwan, N,A, Lessons from Long COVID: Working with Patients to Design Better Research. *Nat.*

21 *Rev. Immunol.* **2022**, *22* (4), 201–202. doi.org/10.1038/s41577-022-00692-6

22

1. (46) . Hayanga, B, Stafford, M, Bécares, L, Ethnic Inequalities in Healthcare Use and Care Quality
2. among People with Multiple Long-Term Health Conditions Living in the United Kingdom: A

25

1. Systematic Review and Narrative Synthesis. *Int. J. Environ. Res. Public Health.* **2021,** 18 (23),
2. 12599. doi.org/10.3390/ijerph182312599

28

1. (47) . Cooper, C, Spiers, N, Livingston, G, et al. Ethnic Inequalities in the Use of Health Services for
2. Common Mental Disorders in England. *Soc. Psychiatry Psychiatr. Epidemiol.* **2013**, *48* (5),
3. 685–692. doi.org/10.1007/s00127-012-0565-y

32

1. (48) . NHS England Long COVID patients to get help at more than 60 clinics.
2. https:/[/www](http://www.england.nhs.uk/2020/12/long-covid-patients-to-get-help-at-more-than-60-).[england.nhs.uk/2020/12/long-covid-patients-to-get-help-at-more-than-60-](http://www.england.nhs.uk/2020/12/long-covid-patients-to-get-help-at-more-than-60-)
3. clinics/-help-more-60-clinics (accessed Apr 3, 2024).

36

1. (49) . NHS England Post-COVID syndrome (long COVID)
2. https:/[/www](http://www.england.nhs.uk/coronavirus/post-covid-syndrome-long-covid/).[england.nhs.uk/coronavirus/post-covid-syndrome-long-covid/](http://www.england.nhs.uk/coronavirus/post-covid-syndrome-long-covid/) (accessed Apr 3,
3. 2024).

40

41

1. (50) . Clement, S, Schauman, O, Graham, T, et al. What Is the Impact of Mental Health-Related
2. Stigma on Help-Seeking? A Systematic Review of Quantitative and Qualitative Studies.
3. *Psychol. Med.* **2015**, *45* (1), 11–27. doi:10.1017/S0033291714000129

45

1. (51) . Bansal, N, Karlsen, S, Sashidharan, S,P, et al. Understanding Ethnic Inequalities in Mental
2. Healthcare in the UK: A Meta-Ethnography. *PLOS Med.* **2022**, *19* (12), e1004139.
3. [doi.org/10.1371/journal.pmed.1004139](https://doi.org/10.1371/journal.pmed.1004139)

49

50 (52) . Kapadia D, Zhang J, Salway S, Nazroo J, Booth A, Villarroel-Williams N, et al. *Ethnic*

51 *Inequalities in Healthcare: A Rapid Evidence Review*; **2023**. http[s://www.nhsrho.](http://www.nhsrho.org/wp-)org/[wp-](http://www.nhsrho.org/wp-)

52 content/uploads/2023/05/RHO-Rapid-Review-Final-Report\_.pdf (accessed Apr 3, 2024).

53

54 (53) . Linney, C, Ye, S, Redwood, S, et al. “Crazy Person Is Crazy Person. It Doesn’t Differentiate”: An

55 Exploration into Somali Views of Mental Health and Access to Healthcare in an Established UK

56

57 Somali Community. *Int. J. Equity Health* **2020**, *19* (1), 190. doi.org/10.1186/s12939-020-

58 01295-0

59

60 (54) . Conteh, N, Gagliardi, J, McGahee, S, et al. Medical Mistrust in Perinatal Mental Health. *Harv.*

1

2

3 *Rev. Psychiatry* **2022**, *30* (4). doi.org/10.1097/HRP.0000000000000345

4

5 (55) . Greenhalgh, T, Sivan, M, Delaney, B, et al. Long Covid - an Update for Primary Care. *BMJ*

6 **2022**, *378*. doi.org/10.1136/bmj-2022-072117

7

8 (56) . Berger, Z, De Jesus, V,A, Assoumou, S,A, et al. Long COVID and Health Inequities: The Role of

9

10 Primary Care. *Milbank Q.* **2021**, *99* (2). 519. doi.org/10.1111/1468-0009.12505

11

12 (57) . Alwan, N,A, Clutterbuck, D, Pantelic, M, et al. Long Covid Active Case Finding Study Protocol:

13 A Co-Produced Community-Based Pilot within the STIMULATE-ICP Study (Symptoms,

14 Trajectory, Inequalities and Management: Understanding Long-COVID to Address and

15 Transform Existing Integrated Care Pathways). *PLoS One* **2023**, *18* (7), e0284297.

16 [doi.org/10.1371/journal.pone.0284297](https://doi.org/10.1371/journal.pone.0284297)

17

18 (58) . Fricker, M, *Epistemic Injustice: Power and the Ethics of Knowing*; Oxford University Press,

For Review Only

19 **2007**.

20

21 (59) . Clutterbuck, D, Ramasawmy, M, Pantelic, M, et al. Barriers to Healthcare Access: Findings

22 from a Co-Produced Long Covid Case-Finding Study. *MedRxiv* **2024**, 2024.01.03.24300767.

23 https://doi.org/10.1101/2024.01.03.24300767.

24

25

1. (60) . del Pozo, B, Rich, J,D, Addressing Racism in Medicine Requires Tackling the Broader Problem
2. of Epistemic Injustice. *Am. J. Bioeth.* **2021**, *21* (2), 90–93.
3. doi.org/10.1080/15265161.2020.1861367

29

1. (61) . Eiroa-Orosa, F,J, Lomascolo, M, Tosas-Fernández, A, Efficacy of an Intervention to Reduce
2. Stigma Beliefs and Attitudes among Primary Care and Mental Health Professionals: Two
3. Cluster Randomised-Controlled Trials. *Int. J. Environ. Res. Public Health* **2021**, *18* (3), 1214.
4. doi.org/10.3390/ijerph18031214

34

35 (62) . Fokuo, J,K, Goldrick, V, Rossetti, J, et al. Erratum to: Decreasing the Stigma of Mental Illness

36 Through a Student-Nurse Mentoring Program: A Qualitative Study. *Community Ment. Health*

37 *J.* **2017**, *53* (8), 1007. doi.org/10.1007/s10597-017-0151-6

38

39 (63) . Ridge, D, Pilkington, K, Donovan, S, et al. A Meta-Ethnography Investigating Relational

40

41 Influences on Mental Health and Cancer-Related Health Care Interventions for Racially

42 Minoritised People in the UK. *PLoS One* **2023**, *18* (5), e0284878.

43 [doi.org/10.1371/journal.pone.0284878](https://doi.org/10.1371/journal.pone.0284878)

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

1

For Review Only

2

3 **Tables**

4

# 5 Table 1. Interview Topic Guide.

6

7

|  |
| --- |
| * Experiences of symptoms |
| * Impact of symptoms |
| * Use of wider support systems |
| * Experience of healthcare services or other supports |
| * Support and treatment preferences |
| * Facilitators/ barriers to accessing support |
| * Facilitators/ barriers to accessing support |
| * What recovery might look like |
| * Experiences of stigma, discrimination, and racism in healthcare |
| * Culture, religion and spirituality |

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

https://mc04.manuscriptcentral.com/bjgp

British Journal of General Practice Page 20 of 38

1

2

# 3 Table 2. Participant characteristics: socio-demographics characteristics and year of COVID-19 infection.

4

5

|  |  |
| --- | --- |
| **Characteristic** | **N (%)** |
| **Gender:** |  |
| Male | 15 (48.4) |
| Female | 16 (51.6) |
| **Age range (years):** |  |
| 20-29 | 9 (29.0) |
| 30-39 | 10 (32.3) |
| 40-49 | 6 (19.4) |
| 50-59 | 4 (12.9) |
| >60 | 1 (3.2) |
| Missing | 1 (3.2) |
| **Ethnicity background:** |  |
| Arab | 3 (9.7) |
| Black | 10 (32.2) |
| South Asian | 10 (32.2) |
| Mixed heritage | 6 (19.4) |
| Other | 2 (6.5) |
| **Occupational background:** |  |
| Student or not employed | 7 (22.6) |
| Healthcare sector | 4 (12.9) |
| Educational / professional sector | 10 (32.3) |
| Transport sector | 3 (9.7) |
| Sales/ customer services | 4 (12.9) |
| Skilled trade | 2 (6.5) |
| Missing | 1 (3.2) |
| **Ladder for community standing** |  |
| 1-3 | 3 (9.7) |
| 4-7 | 20 (64.5) |

6

7

8

9

10

11

12

13

14

15

16

17

18

19

For Review Only

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43 https://mc04.manuscriptcentral.com/bjgp

44

45

46

1

2

3

|  |  |
| --- | --- |
| 8-10 | 3 (9.7) |
| Did not want to answer | 4 (12.9) |
| Missing | 1 (3.2) |
| **Living Location** |  |
| Southern England | 6 (19.4) |
| London and Greater London | 13 (41.9) |
| Midlands | 4 (12.9) |
| Northern England | 3 (9.7) |
| East England | 1 (3.2) |
| Scotland | 1 (3.2) |
| Wales | 2 (6.5) |
| Missing | 1 (3.2) |
| **Pre-existing condition** |  |
| Yes | 15 (48.4) |
| No | 16 (51.6) |
| **Year of first Covid-19 infection** |  |
| 2020 | 14 (45.2) |
| 2021 | 11 (35.5) |
| 2022 | 5 (16.1) |
| Unknown | 1 (3.2) |

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

For Review Only

20

21

22

23

24

25

26

27 \*Subjective social status measured using the MacArthur Scale of Subjective Social Status ladder (Goodman et al., 2001); a higher score represents higher

28 social standing in a persons’ community.

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43 https://mc04.manuscriptcentral.com/bjgp

44

46