Understanding the mental health burden of COVID-19 in the United Kingdom

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Abstract
This article outlines the mental health burden of COVID-19 in the United Kingdom population, and presents preliminary evidence of less common psychiatric issues, such as paranoia and hallucinations, to which vulnerable groups in the UK population may be more vulnerable. It is argued that cognitive behavioural therapy, with components of mindfulness, should be part of the therapeutic response.

Keywords
COVID-19, social isolation, religious/ethnic minorities, depression, paranoia

Clinical Impact Statement
The mental health burden of COVID-19 in the United Kingdom suggests that vulnerable groups in UK society, like students, employed people, religious/ethnic minorities and low income groups may be more prone to developing not only depression and anxiety disorders but symptoms of paranoia and hallucinations that are symptomatic of psychosis. Tailored Cognitive and Behavioral Therapy with components of Mindfulness and Coping Skills and Social Skills Training is recommended to ameliorate the negative and mental health burden of COVID-19 in the UK.

There is concern about the potential impact of COVID-19 on the onset of common mental health problems, such as depression and anxiety (Hyland et al., 2020; Kanter & Manbeck, 2020; Shevlin et al., 2020; see Torales et al., 2020 for a review). More specifically, it is feared that self-isolation associated with social distancing measures introduced in the UK may lead to the onset of depression, stress and anxiety in vulnerable individuals (Kanter & Manbeck, 2020). Indeed, past studies reveal a strong link between social distancing and loneliness and the presence of depression and of anxiety (see Holt-Lunstad et al., 2015 for a review; Santini et al., 2020) and this may be accentuated in the context of COVID-19. Previous research also has consistently uncovered a link between social isolation and a poor social network and the presence of less common psychiatric issues symptomatic of psychosis, such as paranoia and hallucinations (see Freeman et al., 2011; see Rocha et al., 2017 for a review). Moreover, there is evidence that people in the UK are engaging in irrational behaviours, such as compulsive buying as a coping mechanism in response to COVID-19 (Jaspal, Lopes & Lopes, 2020b).

However, the assumed relationship between self-isolation and the onset of depression, anxiety and stress disorders in the context of COVID-19 is not as straightforward as this suggests. In two studies in the UK (Jaspal, Lopes & Lopes, 2020; Lopes, Jaspal, & Lopes, 2020), it has been found that self-isolation per se does not necessarily lead to the onset of depression but that perceiving COVID-19 symptomatology (e.g., dry cough, fever) and being exposed to news reporting about the pandemic do. This is in line with recent research that has found in a United Kingdom sample that those who perceived COVID-19 symptomatology were more at risk of depression and anxiety disorders (Shevlin et al., 2020). Moreover, this supports past
research that has found that exposure to sensationalized media coverage of public health crises, such as the Ebola outbreak, led to depression and psychological distress even in people with no symptoms of the disease (Thompson et al., 2017). Furthermore, according to new research, decreased political trust, lacking a strong social network, and having fear of COVID-19 appear to be better predictors of the onset of depression and of compulsive buying in people who self-isolate in the United Kingdom (Jaspal, Lopes & Lopes, 2020a, 2020b).

Often overlooked and marginalised groups in society are found in general to be more vulnerable than others to developing depression, anxiety and stress (Fitzpatrick, 1993; see Patel et al., 2018 for a review). In our studies, we have observed that low income groups may not possess the resources to help them deal with the challenges associated with COVID-19, such as sudden unemployment and financial difficulties, which may prompt their poor mental health (Hyland et al., 2020; Shevlin et al., 2020). Therefore, they may need to continue working despite the risks of infection and thus be at higher risk of developing depression, anxiety, stress disorders. Moreover, previous research in the UK also indicates that younger people (Hyland et al., 2020; Shevlin et al., 2020), students (Ellet, Lopes & Chadwick, 2003) and people who are already diagnosed with a mental health disorder may also be at greater risk of developing mental health issues, including developing psychotic symptoms of paranoia and of hallucinations (Freeman et al., 2011). In support of this, we also found that students and younger people are more vulnerable to both paranoia and hallucinations in response to COVID-19 in the United Kingdom (Lopes, Bortolon & Jaspal, 2020). Furthermore, existing evidence has shown that Muslim minorities appear to be at a greater risk of developing paranoia than the White non-religious majority in the US (see Rippy & Newman, 2016) and this has also been observed in the United Kingdom in the context of the COVID-19 outbreak (Lopes et al., 2020b). This suggests that any recommendations provided to the general population should take into account age, occupation status and socio-economic and religious factors in order to achieve a better effect and reach.

Health professionals and researchers have focused on the impact of COVID-19 on common mental health problems (see Holmes et al., 2020; Hyland et al., 2020; Shevlin et al., 2020; Torales et al., 2020), but less common conditions symptomatic of psychosis, such as paranoia and hallucinations, have largely been overlooked in commentaries and research (see Holmes et al., 2020; Hyland et al., 2020; Qiu et al., 2020; Shevlin et al., 2020; Torales et al., 2020). Paranoia has been defined in the clinical literature as a symptom of psychosis that is characterised by the idea that others are intentionally and maliciously trying to cause one harm and ranges from more usual fears (e.g., that others are talking negatively about one) to less common fears (e.g., being the victim of a conspiracy) (see Freeman et al., 2005). Moreover, paranoia and hallucinations (i.e. anomalous experiences like seeing and hearing things that are not there, see Morrison, Wells & Nothard, 2000) are found to be interrelated and to be prompted by exposure to stress-inducing events (Freeman et al., 2011; Lincoln, Peter, Schäfer & Moritz, 2008; Lopes & Pinto-Gouveia, 2013). Paranoia has also been consistently related to discrimination and social disadvantage (Wickham et al., 2014), with ethnic minority groups (Quassem et al., 2015) and lower income individuals being more prone to developing psychosis (Madiha et al., 2016).

Although it is generally recognised that there is a continuum of paranoia and hallucinations between non-clinical and clinical populations (van Os et al., 2009), it is also acknowledged that exposure to highly threatening and fear-inducing events such as COVID-19 may lead to the onset of paranoia and hallucinations and, potentially, to the development of psychosis in vulnerable individuals (Freeman & Freeman, 2008). For example, a case study has shown that Brexit, i.e., the United Kingdom’s departure
from the European Union, which was construed by some as a politically destabilising
and unsettling event, induced a transient psychotic disorder characterised by the
presence of both paranoia and hallucinations in an individual with no history of mental
health issues or neurological problems (Katshu, 2019). Moreover, in support of
previous research, our research shows that certain groups in British society are more
vulnerable to developing paranoia against the backdrop of COVID-19, namely religious
minorities and people with another diagnosed mental health disorder, such as
depression (Lopes, Bortolon & Jaspal, 2020).

In support of the vulnerability x stress model for paranoia (see Freeman et al.,
2011; Wickham et al., 2014), paranoia and hallucinations appear to be related to
decreased political trust, to the absence of a strong social network and to perceived
COVID-19 symptomatology (Lopes, Bortolon & Jaspal, 2020). Moreover, those with
paranoia and hallucinations are more likely to engage in the maladaptive coping
behaviour of compulsive buying which may sustain the paranoid thoughts and
associated mistrust in political institutions (Lopes et al., 2020). It is easy to see how
vulnerable groups, such as those with a mental health disorder and religious minorities,
may be suspicious of their own government, lack social support and potentially develop
psychotic symptoms.

It is vital for healthcare services to prepare for a possible rise in mental health
problems in the population in the aftermath of COVID-19 (see Holmes et al., 2020).
Existing resources will be valuable, including the digitised Computerized Cognitive
and Behavioural Therapy (CBT) at Step 2 in the National Health Service (NHS) in the
UK, which would benefit from some adaptation to the specific stressors associated with
COVID-19. This tailored digital CBT may include components of mindfulness, be
provided online, and have clinical psychologists and/or CBT therapists on call to
address emerging challenges. The digital CBT must include components of stress
management and the management of worry and fear as well as components of CBT
oriented to managing distressing voices and paranoid thoughts in the context of
COVID-19 (e.g., sudden unemployment, sudden social isolation, death, etc.). Indeed,
it is well documented in the literature that CBT- and mindfulness-based therapies, such
as compassionate mind-focused therapy, are highly effective in treating people with
depression and paranoia and hallucinations (Braehler et al., 2012; Chadwick et al., 2016;
Freeman et al., 2015; Key, Craske & Reno, 2003). However, these approaches must be
tailored to the context of COVID-19 and must include coping skills and social skills
training to address issues that are especially likely to affect particular high-risk groups
(e.g., how to cope with discrimination and sudden unemployment) (Kompus, 2018). It
is essential to begin to address the emerging mental health burden of COVID-19 which
will remain once the pandemic is over.

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