Since the start of the coronavirus pandemic, the mental health of health care workers has been at risk. Many found themselves facing novel threats to their personal safety and the safety of those around them—threats that were often drastically different from those they had previously faced in their daily lives and work.

This mounting awareness of danger early in the pandemic was compounded in many cases by medical workers’ lack of access to personal protective equipment (PPE). On top of this, as the virus spread across the world, the nature of the day-to-day work on the ground changed almost overnight. In addition to the regular job stressors, health care workers were dealing with higher than normal reported rates of patient deaths, pervasive fear of the unknown, disagreement regarding best treatment practices, the absence of patients’ families on the units, and fears of needing to ration or allocate resources like ventilators or medications, that in many cases did not materialize.

These challenges arrived against a backdrop of physician wellness that was already compromised. Medical students and residents have rates of depression much higher than the general population, and physician suicide is among the highest of any profession. Physicians also have high rates of burnout across the spectrum, up to 50% in many studies, which has been shown to affect COVID-19 productivity, patient care, and, of course, personal mental health. One study estimated that the annual productivity lost due to physician burnout is equivalent to the loss of seven medical school graduating cohorts. Despite this, many physicians do not receive mental health care or ask for help when they need it. In many cases, they avoid it.

Current Stressors

As the pandemic has evolved, so have the stressors. The impact of the novel coronavirus has affected different regions in different ways—whether because of differing caseloads or the financial impact of COVID-19 on medical practices. Hospitals readied themselves to look like Wuhan or Northern Italy or New York City, reassigning staff to perform urgently needed tasks and procedures which, in some cases, they had not practiced in years, and preparing wards for an expected surge of COVID-19 patients. But the expected crises did not manifest everywhere in the same ways. Cities locked down, unemployment rose, and patient appointments were cancelled, postponed, or made virtual. Medical research not directly related to the new coronavirus was almost universally stalled. This meant that even in regions with large COVID-19 patient volumes, hospitals were taking substantial financial hits and some employees were forced to take pay cuts.

Now, as cities reopen, patients fear returning to medical institutions for routine or acute care, and it is becoming clear that medicine will be struggling for a long time and some hospitals and clinics might not survive. Many will suffer financial and administrative burdens for years to come. Thus, while not every frontline worker’s mental health is directly affected by seeing the day-to-day care of COVID-19 patients who are dying at high rates, the risk of developing long-term mental health effects is still high, due to this broad spectrum of stressors.
Even if the worst case scenario does not arise, the fear and anticipation of subsequent surges in COVID-19 cases will profoundly affect the mental health of frontline workers in the coming months and years. For instance, resources in regions with high caseloads, such as New York, were strained to the breaking point at the local peak of the pandemic, whereas elsewhere, like much of the Midwest, hospitals have largely managed to keep up with lower rates of community spread. For workers in these lower caseload areas, this creates a sense of anticipatory anxiety: Are we out of the woods yet? When will a fresh wave hit us? Will it ever come?

The uncertainty of the virus’ spread among these populations, combined with alarming, often traumatic images shared by friends and peers on the harder-hit coasts, or throughout social media, can contribute to a sense of constant threat that impairs health care workers’ ability to maintain focus and preserve their mental well-being. And, for the harder hit regions that are now rebounding, the fear of a second or third COVID-19 surge contributes to unresolved anxiety. Until we have a more confident plan or treatment or vaccine, it is reasonable to expect that health care worker mental health will be at persistent, increased risk. Anxiety, after all, stems from uncertainty.

### Additional Issues

The coronavirus pandemic is not the only ongoing threat to mental health. We are currently in the midst of national political upheaval and civil unrest. While there is concern the widespread protests could lead to additional coronavirus cases, frontline workers must continue to work in the hospitals while doing their best to process the grief that many feel over the sociopolitical climate and, in some cases, a conflict between the wish to protest and the feeling of obligation to maintain recommended physical distancing practices. This also has potential to jeopardize the well-being of physicians, particularly black physicians, who are already taking care of COVID-19 patients who disproportionately look like them.

While we do not have data about mental well-being in physicians by race, the existence of systemic racism is readily observable, along with the fact that underrepresented minorities disproportionately work lower wage jobs, are less likely to have

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### COVID-19 Mental Health Resources for Physicians

- **The Missouri Physicians Health Program**, [www.themphp.org](http://www.themphp.org), 314-578-9574, offers free, confidential consultation. There is no commitment, monitoring, referral or group presentation required. Virtual appointments are available. “The MPHP is fully committed to doing everything we can to help physicians, residents and medical students stay healthy during this very difficult time,” the organization said.

- **Physician Support Line**, 888-409-0141, offers free and confidential peer support to American physicians by creating a safe space to discuss immediate life stressors with volunteer psychiatrist colleagues. This service was launched in March 2020 to help physicians cope with the stress of COVID-19.


- **Project Parachute**, [https://project-parachute.org](https://project-parachute.org), is a nationwide network of therapists who will provide a pre-determined series of therapy sessions free of charge. The site will match frontline health care workers with a local therapist licensed in the worker’s state.
good workplace benefits, and are more likely to be in direct contact with COVID-19. High risk of infection is known to yield mental health effects in pandemics, and so this is overall an especially high-risk group that needs to be monitored.

It is impossible to predict exactly what the mental health outcomes will be after the epidemic. Preliminary data from China suggests that rates of PTSD, anxiety, and depression will be high. If we look at the data from past pandemics, it is also true that depression is possible, along with trauma and workplace avoidance, but it is difficult to apply that data to the current moment. We can look to previous studies of imposed quarantine, such as SARS, to infer that those health care workers who do contract COVID-19 and undergo quarantine may be at high risk for depression, substance use and PTSD, even three years after the epidemic.

Yet, we don’t know the impact of self-isolation as it has been adopted in 2020, and the scale of this pandemic is much different from those studied in the past. We do know that there are high risks of negative mental health outcomes among those who directly worked with COVID-19 patients, those who contracted the illness or knew someone who did. Also at increased risk are women and those with previous psychiatric histories and substance use histories. These groups should be regularly screened and closely monitored. Given the scale of the pandemic, it seems likely that we will be observing and dealing with its impact on health care workers’ mental health for a long time. And the pandemic isn’t even close to over.

**Action Steps**

So, what can be done? Medical institutions have an obligation to support their staff’s mental health for the long term and not just implement short term policies. Given the timeline of treatment and vaccine development, it is clear that this is not something that will go away soon. We need to figure out which measures that were put in place temporarily should stay around—hotlines, extra appointments, group therapy, crisis support—and which need to be altered. Not all policies have to be mental health related to help mental health. Institutions can safeguard their workers’ physical health with PPE and workplace safety policies, or their sick leave or child care policies.

At the very least, we need to work to change the culture of medicine, to make it one in which vulnerability and emotions are discussed, not hidden. Getting help should be safe and encouraged. We should not be asking on credentialing, licensing, or insurance forms for mental health histories, which only serve to discourage treatment seeking. As a community in health care, it is up to us to finally approach these problems the way we approach the illnesses we treat in our patients—that is, with more than a bandage. A mental health crisis is looming for frontline workers, and we can’t keep hiding behind patient care and stoicism for long. For many, the effects are already here.

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**References**

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