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Caring for the carers: Ensuring the provision of quality maternity care during a global pandemic

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ARSTRACT

The COVID-19 pandemic is impacting health systems worldwide. Maternity care providers must continue their core business in caring and supporting women, newborns and their families whilst also adapting to a rapidly changing health system environment. This article provides an overview of important considerations for supporting the emotional, mental and physical health needs of maternity care providers in the context of the unprecedented crisis that COVID-19 presents. Cooperation, planning ahead and adequate availability of PPE is critical. Thinking about the needs of maternity providers to prevent stress and burnout is essential. Emotional and psychological support needs to be available throughout the response. Prioritising food, rest and exercise are important. Healthcare workers are every country's most valuable resource and maternity providers need to be supported to provide the best quality care they can to women and newborns in exceptionally trying circumstances.

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Introduction

The novel coronavirus emerged in November 2019 as a cause of viral pneumonia that has since spread widely and been declared a global pandemic [1], crippling health systems in those countries heavily affected [2]. The infectious agent has since been identified as SARS-CoV-2 and the associated infection designated COVID-19. To minimise community transmission, many countries have implemented travel restrictions and quarantine, 'stay at home' and physical distancing measures whilst health systems prepare for increasing workloads and decreasing resources.

Previous disease outbreaks have demonstrated health care workers are at particular risk of infection [3], primarily through

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increased frequency of exposure but also likely due to exposure to increased viral load following particular health procedures and aerosol exposure to the virus. Whilst the number (denominator) of those infected with SARS-CoV-2 is largely unknown, early studies of health care workers have reported rates of infection from 3.8% to 63% [4]. The Director-General of the World Health Organization, Dr Tedros, recently said that 'We can't stop COVID-19 without protecting our health workers' [5]. Long hours, irregular shifts and working outside the usual scope of practice are common experiences for health care workers during an emergency. Constantly changing policies and protocols, resource limitations and the need to reassure concerned patients, women in maternity systems and family members during uncertain times are additional stressors.

Public health emergencies can stretch and overwhelm even the most well-resourced health systems. Health care workers on the front line often feel the brunt of the emergency response and ensuring their safety, mental and physical wellbeing is paramount.

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Here we will focus on maternity care providers and provide an overview of important considerations in supporting their emotional, mental and physical health needs in the context of the unique and unprecedented crisis that COVID-19 presents. We know that implementing strategies is going to be hard for all systems but especially low to middle income countries.

Issues for maternity care providers

Women continue to give birth which is usually a time of joy but can also be associated with increased anxiety as well as increased risk of wellbeing disturbances, both during pregnancy and after birth [6]. Maternity service providers (including doctors, midwives, nurses and allied health staff) must continue their core business in caring and supporting women, newborns and their families, whilst also adapting to a rapidly changing health system environment due to COVID-19. Managing an infectious disease outbreak is an unusual event for maternity providers and many will feel out of their 'comfort zone' and burdened by the pressure of managing not only normal care of pregnant women and couples but also all their worries for COVID-19 pandemic and its consequences.

There will likely be a surge in workload despite the best efforts to recruit extra staff [7], shorten antenatal clinic visit times [8], move to telehealth and minimise non-urgent procedures and consultations. Providers will need to make pragmatic decisions about the safest way to provide quality care whilst constantly adapting to system changes and resource limitations. The worldwide shortage of PPE equipment is also of great concern to health services and healthcare workers [3].

A number of national [9] and international guidelines [10] are also now recommending limiting the number of birth companions, and there are some reports that women are in labour alone [11]. Caring for women who are sad and anxious during pregnancy and in labour is challenging. Midwives and doctors are likely to have their own inevitable sadness at having to support a practice that is contrary to their core practice principles. As a result of limited support people, the midwife may also be the only person present with women in the most crucial moments of birth and during their first encounter with the baby. This can result in an emotional and relational overload even in the most experienced professional, particularly when adverse events occur [12].

Maternity providers may experience several sources of stress whilst managing the outbreak (Table 1). These may be related to infection control, risk of disease transmission, multiple medical and personal demands and stigma [13].

Clear and consistent communication is essential

During an emergency, it is normal for stress and anxiety to be elevated among healthcare workers. Providing regular and clear communication and updates during this time is essential so that all staff feel informed and can prepare both mentally and physically [14]. The speed of this pandemic means that this has not always been possible, and guidance has been changing rapidly. This is equally stressful and unsettling.

There are many things that health services are doing to manage and prepare for the COVID-19 response. Physical preparations may include modifying the facility layout, bed allocations and people flow. Moving to telehealth services, reduced contact with women and reducing visitors to the hospital are also happening. Staff may also need to make preparations at home for the care of their own children and other relatives, and preparations for longer and irregular shifts. These health system changes and adaptations are

critical at this time and are already occurring in countries affected by COVID-19.

Maternity services need to relay up-to-date information to women who are pregnant or have recently given birth and their families. Information regarding when and how pregnant women who have suspected or confirmed COVID-19 will receive care during pregnancy, labour and birth is important to address any uncertainties that may prevent people from seeking care. The infection control measures and the use of personal protective equipment (PPE) needs to be explained to women and their companions. It will be daunting for women and their families to see health care providers in full PPE behind masks, gowns and gloves and so clear guidance on when this can be safely minimised is important.

Considerations for preventing transmission

Maternity providers have direct contact with women and babies and as a result have an increased risk of both being exposed to and contracting SARS-CoV-2. However, care for pregnant and postnatal women and newborns is an essential service and needs to continue alongside the COVID-19 response [10]. Maternity services need to adapt to continue to provide antenatal and postnatal care and consider alternative methods such as teleconferencing and videoconferencing to minimise transmission risk, with consideration for those in self-isolation [10].

Maternity and newborn care units face particular challenges in considering space and staffing needs within the facility to prevent transmission of SARS-CoV-2, whilst also enabling essential support for women in labour and bonding of mother and newborn after childbirth. Considerations may include additional training and simulations regarding infection control practices, use and handling of PPE and isolation of pregnant COVID-19 confirmed or suspected women [15].

Some maternity providers will be pregnant themselves and will have an added level of concern about their own health and protecting their unborn baby. The UK Royal College of Obstetricians and Gynaecologists (RCOG) are now recommending that health-care workers who are more than 28 weeks pregnant should avoid direct patient contact [16]. It may be worthwhile reallocating pregnant maternity providers to lower-risk duties, working from home or allowing alternative leave arrangements [9].

Of course, having access to appropriate PPE, appropriate preparedness training and monitoring of practices the risk of infection for all maternity care providers is essential. This is again new territory for many. PPE training and support, not only on how to put them on and take them off, but also on how to provide empathic care while wearing them is needed.

Keep an eye out for students

Medical, midwifery and nursing students are being drawn on to assist with the COVID-19 response. Several jurisdictions in Australia and in other countries are working through ways that students may be able to assist with screening clinics and contact tracing. We need to take extra care of these students who although are yet to complete their training will be finding themselves in positions of responsibility and authority beyond their usual scope of practice. More experienced clinicians and healthcare workers will need to look out for their safety and wellbeing and advocate for them as needed.

It is worth noting that several countries have also considered drawing on retired healthcare workers to assist in the response. Retired doctors and nurses were recruited in Italy, which is problematic given the higher mortality associated with increasing age. At the time of writing, the population case fatality rate for Italy

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Table 1Sources of stress for maternity providers during COVID-19 response^a.

Infection control measures	Risk of disease transmission
• Physical strain of PPE (skin irritation, dehydration, heat, exhaustion)	• Uncertainty regarding impact of illness on mothers and newborns (limited data), but still needing to advise women and their families
• Physical isolation — practising social isolation whilst also maintaining health care. Isolating from family members at home, including children	• Fears for personal safety and risk of infection
• Constant vigilance regarding infection control measures for multiple people — women, newborn, companions, other staff	 Tension between public health strategies, new guidelines for the infections and desires of women and their families regarding social distancing and quarantine measures
• Strict protocols and processes especially limiting support in labour	
Multiple medical and personal demands	Stigma
Core work competing with COVID-19 preparation and management	• Fear of treating women and newborns with COVID-19
Preparation of maternity units to reduce transmission including increased training around infection control measures and PPE use and handling	• Providers' stigma about voicing their needs and fears
• Attempting to maintain ongoing essential services (antenatal and postnatal care) and high quality care in the face of	
regularly changing policies and resource limitations	
regularly changing policies and resource limitationsFears about infection	

^a Adapted for maternity providers from Managing Healthcare Workers' Stress Associated with the COVID-19 [13].

is 5.0%, but 15.3% for those aged 70–79 years [17]. Similarly early studies in China indicated a higher case fatality rate for those aged 70–79 at 8%, compared to a general population case fatality rate of 3.6% [4].

Avoiding burnout

As outlined, maternity care providers may experience several sources of stress, and burnout and secondary traumatic stress are serious risks for maternity providers in responding to this pandemic. Secondary stress may include feelings of stress resulting from exposure to another individual's traumatic experiences, rather than direct exposure to the traumatic event [18]. Burnout includes feelings of extreme exhaustion, being overwhelmed or becoming cynical and detached and may only become apparent some weeks or months after the immediate events have passed, but has an adverse impact on sensitivity to the needs of women. Burnout may result in decreased relational skills, an impairment of empathic skills and a negative or hasty approach to the needs and fears of women and couples [12].

Health services need to be proactive in providing and encouraging support for staff in a non-judgemental way without fear of negative consequences. Burnout can be prevented or reduced, keeping in mind some crucial aspects of psychophysical well-being. Here are some key strategies for managers and leaders to consider from a brief review of the literature:

- Workforce planning including reasonable shifts and rosters [18].
- Having workforce policies that are proactive about enabling and encouraging maternity providers to get plenty of sleep, eat healthy foods and exercise.
- Developing creative methods to keep your staff safe such as food and self-care 'stations,' enabling exercise breaks with the facility.
- Having regular opportunities for debriefing to enable your staff to express their feelings and discuss their experiences. This could include a 'buddy' system [18], to enable providers to check in and

- encourage each other, ensure adequate breaks and reinforce safety procedures [14]. Inexperienced providers may be partnered with more experienced ones. Having regular access to psychologists or counsellors is likely to be important.
- Providing information to assist providers to recognise signs of stress and burnout (fatigue, illness, fear, withdrawal, guilt) and strategies for coping can help providers stay well [18].

Managers will likely need extra support as they balance their own stress and the need to lead, guide and encourage those around them, with a particular need to be role-models of self-care [14].

On an individual level, there are things that we can all do, including:

- Trying to avoid the use of smoking, alcohol and other drugs to deal with stress [14].
- Using social media selectively social media can be an excellent source of information but equally can increase worry and agitation [19].
- Accessing or seeking out support including psychologists or counsellors as available.
- Keeping connected with the world outside the health facility and keeping in touch with friends and family through online systems if that is the only means.
- Recognise that this time will pass and that at an individual level, everyone is doing their best in extraordinary circumstances.
- Be kind to yourself and to one another find joy in simple things and look to a better future.

It is important to recognise health care workers are often already resilient and experienced in dealing with difficult circumstances but will need additional system orientated supports to reduce their burden. Leaders, managers and individuals can all play a role in implementing strategies and supporting one another.

Many of these strategies are going to be challenging especially as the broader health system is stretched. This will be even harder in low income settings where resources are always limited. Adding

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a pandemic of this proportion will be overwhelming and additional support and services will be needed.

After COVID-19

We are in the midst of an unprecedented public health emergency impacting all facets of life. Whilst this pandemic will pass, its impact will likely be tangible for years to come and adjusting to life after the COVID-19 response may be difficult for some healthcare staff. Encouraging staff to check in and debrief with colleagues, seek support early, providing access to free counselling and psychological services and approving leave of absences to provide time for gradual reintegration into usual schedules may be helpful. If maternity providers experience several weeks of stress which interferes with work and life functioning, formal mental health care should be encouraged [13].

Maternity providers need to be supported to provide the best quality care they can to women and newborns in exceptionally trying circumstances. Cooperation, planning ahead and thinking about the needs of maternity providers to prevent stress and burnout is essential, so that they in turn can continue to care for women and newborns whilst managing the demands of the COVID-19 response. Adequate availability of PPE is a critical first step followed by top order priorities of food and rest [3]. Emotional and psychological support needs to be available and encouraged before, during and after the response. In responding to this pandemic, healthcare workers are every country's most valuable resource [3]. Now and over coming months, the maternity care system will face unchartered territory as doctors, midwives, nurses and allied health staff attempt to provide usual quality maternity care whilst juggling competing demands related to the COVID-19 pandemic response.

Author's contributions

All authors contributed to the content of this manuscript. Wilson and Homer performed the draft manuscript and all authors contributed to the manuscript and approved it to be submitted.

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Conflict of interest

Caroline Homer, as Editor in Chief, commissioned this commentary. As Co-Program Director of Maternal and Child Health at the Burnet Institute, she contributed as an author. As a commentary, it was not externally peer reviewed.

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