The concept of “psychological safety” was introduced by Kahn in 1990 and suggests that psychologically safe environments allow individuals to employ themselves fully without fear of negative consequences. Psychologically safe organizations encourage their members to challenge the status quo in order to innovate and evolve their operations or practice. There is an abundance of evidence to illustrate that those institutions that promote this sort of safety for their members have teams that are more creative, engaged, and effective. Medicine is a profession in which the achievement of psychological safety would seem essential; unfortunately, one could make a reasonable argument that we have all but given up on achieving this goal.

In truth, the medical profession has a problem with overt psychological toxicity. Harassment, intimidation, and discrimination are so common that they have become endemic. A recent survey of German physicians reported that 70% had experienced workplace harassment. A report from the National Academy of Sciences in the US reported that over 50% of women experienced sexual harassment in academic medicine environments. Data collected from 188 medical student respondents across 17 Canadian medical schools via an anonymous online survey found over 800 incidents of sexual harassment including sexist remarks, unwanted touching, stalking, and assault, perpetrated by peers, patients, and faculty. In Canada, 75% of resident physicians report experiences of harassment and/or intimidation; this percentage is up 30% from that of a comparable survey of Canadian medical trainees conducted over a decade ago. Few would argue that having three-quarters of our trainees experiencing harassment is simply unacceptable.

In the field of cardiology, and cardiovascular surgery specifically, a global survey of almost 6000 clinicians found their work environments to be highly hostile, with more than half of participants experiencing hostility, women far more (67%) than men (37%). Hostility took the form of emotional harassment (29%), discrimination (30%), and sexual harassment (4%). Higher rates of hostility and discrimination were experienced by women (68% vs 37% among men), Black cardiologists (53% vs 43% among White cardiologists), and North Americans (54% vs 38% among South Americans). Harassment is defined as “repeated and persistent behaviours towards another with the intent to torment, undermine, frustrate or provoke a reaction.” It comprises a number of...
behaviours that result in another being demeaned, belittled, humiliated, or embarrassed. An umbrella term, harassment includes behaviours such as intimidation and threats, discrimination (including race- and gender-based), and bullying. Harassment in the field of medicine is common, but the odds of harassment are higher for trainees9 (and increase with length of training), women,10 international medical graduates,11 members of the lesbian, gay, bisexual, transgender, queer or questioning, 2-spirit (LGBTQ2+) community, and physicians of colour.12,13 The experience of disruptive and destructive behaviours within the professional field of medicine affects our professional experience. The persistence of harassment in health institutions committed to continuous quality improvement (and only one program of the 4 suggested a reduction in events).

Evidence shows that regular exposure to harassment has very harmful effects at both an individual and a health-system level; evidence also indicates that despite people knowing the prevalence of harassment, the problem is getting worse. How is it possible that healthcare institutions that are heard or perceived at another level of the organization.21 Despite ample evidence of the prevalence of harassment, the literature evaluating effective interventions to disrupt harassment is remarkably sparse. A systematic review of programs to reduce mistreatment among medical learners16 identified only 10 evaluative studies of mistreatment prevention programs. The quality of these studies is modest, and only 4 studies actually measured a reduction in experiences of harassment as an outcome (and only one program of the 4 suggested a reduction in events).

Evidence shows that regular exposure to harassment has very harmful effects at both an individual and a health-system level; evidence also indicates that despite people knowing the prevalence of harassment, the problem is getting worse. How is it possible that healthcare institutions that prioritize the safety of their patients can be so indifferent (or oblivious) to the harm caused by harassment? How is it that institutions committed to continuous quality improvement have been permissive of harassment? How is it that despite knowing the benefits of cultivating psychological safety, we seem unable to achieve it?

The truth is that harassment simply has become a part of our professional experience. The persistence of harassment in the field of medicine reflects a normalization of these disruptive and destructive behaviours within the professional culture.13 Organizational culture, or the shared values, beliefs, and principles of its members, has been identified as the single most important predictor of whether harassment is likely to occur.17,18 Culture shapes social norms within organizations, and an organization’s culture will influence how its members interact and behave toward each other; thus, it is a powerful but latent force determining work practices and group dynamics. Unfortunately, given the complexity of how group beliefs and values are determined, organizational culture can be challenging to shift. Examinations of organizational culture in a variety of contexts have identified cultural determinants of harassment. These determinants include the presence of large power gradients, the presence of enabling organizational structures, and weak ethical climates, all of which are present in the field of medicine19 (see Fig. 1).

**Large Power Gradients**

With attendings, fellows, senior residents, junior residents, and medical students, the field of medicine is unapologetically hierarchical. Hierarchies are defined by large power gradients and competitive individualism and are common in professions that have patriarchal origins or were historically male-dominated. In this cultural structure, people compete with one another for opportunities to gain more influence within the organization. When harassment occurs in such a setting, it is most often perpetrated by those with more power and experienced by those with less. In the arenas of medicine and academia, where people in positions of authority can potentially facilitate or disrupt professional advancement, the risk of harassment is increased.19 Fear of reprisal or retribution limits victim or bystander reporting of disruptive behaviour and limits opportunities for persons with power to get feedback to remediate their behaviour.13,20

In addition to increasing the risk of interpersonal harassment, hierarchies enable epistemic mistreatment. Epistemic injustices occur when colonial or Eurocentric values and beliefs held at one level of an organization influence how persons are heard or perceived at another level of the organization.21 For example, a lack of Indigenous representation among leadership can permit the perpetuation of anti-Indigenous racism and stereotypes. In turn, this situation can facilitate the dismissal of ideas or concerns brought forth by Indigenous trainees or faculty. Gaslighting is a common form of epistemic mistreatment that enables harassment. It occurs when persons use their power to manipulate victims of harassment/abuse to question or doubt their experience of the event(s). The invalidation of traumatic events can have significant negative impacts on mental health and can have lasting negative reputational impacts for victims (with superiors labelling them as disruptive or troublesome).22,23 Epistemic mistreatment such as gaslighting is often unconscious but does effectively oppress equity-deserving people, making it a disturbing and tenacious method of preserving hierarchy.
Enabling Organizational Structures

The academic meritocracy and tenure system sustains the hierarchy through a process of systematic exclusion and concentration of privilege. Although meritocracies are supposed to provide opportunities based on an individual’s achievements, talents, or skills, growing evidence indicates that systemic biases and oppressions consistently exclude persons from professional advancement in the field of medicine. 24,25 Although meritocracies are perceived as awarding opportunity based on merit, if the ability to access or succeed in “meritorious” pursuits is not equitable, then this framework will lead to systematic exclusion. 26

Tenure is another enabling organizational structure that affords increased professional protections to those at the highest levels of the hierarchy, allowing those with the most power to have the least accountability for their behaviour. 27

Figure 1. Determinants of psychological safety.

Ineffective Regulation of Professionalism

Self-regulation as a potential enabling structure is best illustrated by a case example. In 2016, a surgeon in Alberta hung a noose on an operating room door where both Black and Indigenous physicians worked. 28 This incident was reported to leaders in administration and to the provincial regulatory body, the College of Physicians and Surgeons of Alberta (CPSA). In 2020, a tribunal determined that although the noose could be seen as a symbol that could intimidate and threaten the operating room staff, the tribunal did not find the perpetrator guilty of unprofessional behaviour. 29 In the case presented, the determination of whether harassment occurred was centered on the motivation of the harasser instead of the experience of the harassed. This case reveals large institutional knowledge gaps regarding the influence of systemic racism on staff behaviour. Whenever systemic and/or internalized racism exists, whether a person was consciously racist is irrelevant; what is relevant is whether only racialized persons would be harmed, threatened, or intimidated by an action. Without respectful inclusion and representation, our frameworks of accountability will lead to compounded harm instead of justice, as they did in this particular case.

A second reason a lack of representation undermines effective accountability is that several harassment behaviours are subtle, and without standards of practice that define harassment, harmful actions may not be recognized. 30,31 The patriarchal and colonial history of the field of medicine has largely been internalized by the prevailing medical culture, such that many conventions we have (what we have defined as preferred modes of dress, communication, or management style) may not be consistent with the traditions of equity-deserving people (particularly those that have experienced the harms of colonial oppression). The pressure to conform to these conventions is considerable, and the act of conforming is called “code-switching.” 32 Code-switching is invisible to those that create the expectation of conformity, and thus, a person with power will be oblivious to the mental and emotional toll this process takes on equity-deserving people. When senior colleagues “coach” equity-deserving colleagues on these professional behaviours, this is harassment, but such behaviour will be seen as well-intended feedback by the harasser (and by traditional regulatory bodies).

Lastly, experiences of harassment may not have corroborating physical evidence or witnesses, and in the absence of corroborating evidence or testimony, regulatory bodies tend to dismiss charges of misconduct. 33 The dismissal and diminishing of the event (“I am sure you misunderstood—that colleague is very well respected”) not only is disrespectful, but also once again reveals a lack of knowledge regarding the prevalence and nature of harassment in our profession.

Weak Ethical Climate

The ethical climate of an organization is the shared perception of its members toward its own practices. 27,28 An organization with a weak ethical environment is one in which inappropriate actions are left unchecked, and there is a perception that the consequences for inappropriate behaviour are minimal or nonexistent. Leaving aside the ethical climate of our clinical work, the climate of our intra-professional environment is weak.

Despite the high prevalence of harassment in the field of medicine, formal reporting of harassment is rare. A survey conducted by the American Association of Medical Colleges suggests that just over 70% of harassment experiences are not reported. 36 Surveys of medical staff and trainees reveal that harassment goes unreported because reporting is perceived to be too onerous or too dangerous and as being ultimately potentially more harmful than the initial harassment experience. 13,37 There is also a widely held belief within the field of medicine that dehumanizing behaviour is to be expected, given the high-stress nature of the profession, and an inability...
Moving Toward a Psychologically Safe Practice of Medicine

Psychologically safe environments limit opportunities for harassment to occur. Cultivating such environments requires that 4 conditions be present, including the following: (i) a feeling of inclusion; (ii) safe learning experiences; (iii) an equitable ability to contribute; and (iv) support for challenging the status quo and demonstrating curiosity. The achievement of these conditions allows for a shift from individualism to collectivism and places an emphasis on shared humanity. The presence of these factors heightens our ability to see the strengths of others (rather than weaknesses) and opportunities (rather than threats) when presented with differing views. Achieving psychological safety not only creates positive professional experiences due to a strong sense of belonging, but also encourages innovation, as people feel safe to explore new ideas and challenge conventional thinking. Cultivating the conditions for psychological safety is possible but requires a critical examination of almost every aspect of our profession and a collective will to do this important but difficult work.

A number of programs and policies are available for organizations to adopt to promote psychological safety (see Fig. 2). These include the following: targeted recruitment of equity-deserving learners and faculty; adoption of anti-oppressive standards of practice and codes of conduct; training in implicit bias and bystander intervention; revision of curricula to be centered on equity; development of competency in health equity; and the adoption of restorative justice models of accountability. However, the success of these programs will be limited if there is not a collective desire to shift the culture.

To move things forward, the fundamental value system needs to be dismantled and replaced with a system that values inclusion and safety. To dismantle the current system, there must be a willingness to reflect with honesty and humility on how the field of medicine has created a culture that permits ongoing harm to colleagues, and by extension, patients.

Several Canadian medical schools, professional organizations, and regulatory bodies have made public commitments and created internal programs to promote equity, diversity, and inclusion (EDI)—which is an important step in the right
direction.\textsuperscript{8,43-45} To be successful, EDI initiatives need to simultaneously promote diversity and create synergies—between new members from previously underrepresented groups and previously majority members—that encourage mutual success and sharing of power. Also important is that the work of championing EDI should not fall on the shoulders of equity-deserving people. Asking people who have been harmed by a culture to fix that culture is completely inappropriate, but it is so common that this offloading of difficult (and often non-meritorious) work has been termed the “minority tax.”\textsuperscript{46} Success in achieving EDI and promoting psychological safety requires highly effective, inclusive leadership, with clear policies and standards in place that enable an environment in which calling out injustices across ranks becomes the norm. Although culture is the most significant determinant of harassment, leadership is the greatest determinant of culture.

**Conclusion**

Cultivating a culture of psychological safety in the field of medicine is critically important. The rates of harassment in our profession are unacceptably high and must be addressed. The failure to create safe environments severely limits our potential as a profession and leads to unnecessary harm to our colleagues, and in all likelihood, our patients. Cultivating safe environments requires an inclusive transformation of the field of medicine, which is daunting, but absolutely possible and necessary.

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