# SUMMER 2021
## ISSUE 8

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Dear Readers,

I am pleased to present the eighth issue of Elemental Magazine, the University of Toronto’s official tri-campus mental health magazine. The theme for this issue is Social Determinants of Mental Health.

Mental illnesses like depression and anxiety are among the most prevalent and debilitating health conditions among Canadians. Although these conditions have a biological and genetic component, they are also influenced by environmental conditions such as housing instability, food insecurity, unemployment, poor access to and quality of health care, educational inequality, income inequality, poor neighborhoods, social exclusion and discrimination, and disability status. In fact, the latest research in epigenetics suggests that genes do not create illness; it is the environment that signals the gene that begins to create illness. Medical science is becoming aware of the importance of the interplay between biology and the environment.

Addressing the social determinants of mental health requires a different approach from typical clinical interventions. One-on-one interventions could be employed, however, they yield less overall impact. Clinical interventions. One-on-one clinical interventions. One-on-one interventions could be employed, however, they yield less overall impact. The best way to address the social determinants of mental health is through action at the policy level. Countries that assign high policy priority to social determinants of health (e.g., Norway and Switzerland) have improved health outcomes over time. These countries have policy plans to make sure that children have the best opportunities for emotional health from the beginning of their lives, that adults have fair employment, and that all individuals live in safe and healthy communities.

Since policy changes, however, can take several years, at this time, it is important to educate people on how environmental and societal factors affect mental health.

The purpose of this issue is to educate readers on the social determinants of mental health as it relates to mental illness prevention and mental health promotion. We feature student viewpoints on how mental health can be affected by income inequality, equity, food insecurity, cost of education, cultural barriers to healthcare, learning disabilities, and lockdowns. Shannon Giannitsopoulou, Inclusion & Diversity Coordinator at UofT, discusses the creation of the UofT Faculty of Medicine, Office of Inclusion and Diversity's Microaggressions and Allyship Campaign, #UofTMedCARES.

Anna Hill and Andrew Lustzyk, co-founders of The Together Project, share how they are building community connections among refugee newcomers. We also share a research article by ADRA Canada that highlights important findings concerning maternal mental health in Cambodia. Finally, we include two articles with coping mechanisms that we have not touched upon: “The Power of Play” and “Neuroplasticity and Mental Wellbeing: Using the Adaptive Quality of Mind to Create an Upward Spiral.”

I would like to thank our journalists, editors, and others who sent in their articles for publication. I was not even sure if this issue was going to be possible back in March, but somehow, we pulled it off! It has been a difficult year for everyone, which is why I am proud of everyone on the Elemental team and am truly appreciative of their hard work. I would like to give a shout-out to the Executive Editors, Curtis D’Hollander and Emily Mastragostino, for their tremendous contributions. Most important, a huge thank you to our readers for your support! I hope you enjoy reading these articles as much as I did.

Sincerely,

Jeffrey Lynham
Editor-in-Chief, Elemental Magazine
Co-Chair, Grad Minds

The Editor

References


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defuies resettling in Canada have the daunting challenge of navigating a new country. Part of this challenge is forming connections within the community, a task made more difficult during the pandemic. The Together Project, an initiative of the charitable foundation MakeWay, aims to empower refugees during their transition. It includes programs such as the Welcome Group model, which connects government assisted refugees and refugee claimants with volunteers in hopes of forming a more welcoming and integrated community.

The Together Project was founded in 2016, and since then has expanded to 700 volunteers, which have been matched with 650 newcomers. Anna Hill and Andrew Lustzyk, the co-founders, share their thoughts and experiences in the following interview.

What are the aims of Together Project?

Andrew: The aim is to build self-sufficiency through providing social connections to newcomers. One of the biggest gaps that exist institutionally for a lot of refugee and refugee claimant newcomers, is that in being new to Canada, they do not have the access to the same social connections that other forms of newcomers might. The aim is to provide social connections in a way that empowers them to build their own self-sufficiency. The idea is not to create a charity group, but a surrogate group of allies and advocates that can help newcomers navigate their arrival to Canada.

What challenges do you see refugee newcomers facing?

Andrew: It varies for individual families, circumstances of their arrival, and settlement to Canada. One of the top challenges we see is lack of social capital and connections. There are some observations we can make more specific to broader demographic groups. For example, for refugee claimants, understanding and accessing services can be a huge challenge, given the comparatively limited institutional support compared to other groups of newcomers. Government assisted refugees typically arrive with higher vulnerability and lower levels of English. You can also imagine that building social connections, finding work, and even feeling safe or

TOGETHER PROJECT: BUILDING COMMUNITY CONNECTIONS WITH REFUGEE NEWCOMERS

AN INTERVIEW WITH ANNA HILL & ANDREW LUSTZYK

PALAK DESAI

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comfortable in your new home can be affected by a language barrier.

How has the refugee settlement process changed during the pandemic?

Andrew: As with a lot of other Canadians, one of the biggest challenges is understanding what it means for services. During the pandemic the Service Ontario offices have closed. This caused an additional challenge because now newcomers may be wondering, “how do I access information that is important for me and my family about my financial or healthcare situation?” Therefore, having a team of people who look at and assist the refugees’ specific needs has been proven to be effective and helpful.

Anna: The whole sector has been changing to new models of digital settlement during the pandemic and so there is this period of adaptation. Making sure that newcomers have the technology and the digital literacy to access resources and programs that are being piloted for the first time, is important. I think that is another way that volunteers have been very helpful, in supporting the inclusion of newcomers digitally.

How do you feel the community in general can better support refugee newcomers?

Andrew: When we talk about a welcoming community, we talk about integration being a two-way street. While we try to cater programming and services to newcomers, we should also look at ways to actively engage members of their community. We often hear from volunteers that they have not previously had the opportunity to engage with newcomers in a meaningful, long-term way. We are providing an avenue for people to actively participate as opposed to relying on institutions and governments to do the work of integration or waiting for newcomers to integrate themselves.

Anna: I think providing a dedicated group of volunteers who can act as allies, guides, and eventually friends, is important in terms of mitigating social isolation. It is imperative to center newcomer voices in leadership, in program design, and in communications right now. I think newcomers are bringing incredible skills, resilience, strength, and insight. In terms of evolving this concept of digital settlement, it is critical that newcomers are at the center of these innovations. Often our best insights are coming from the newcomers we are serving.

What changes and challenges has the program faced this past year?

Andrew: Our program was designed around building social connections, largely in-person, and suddenly had to shift to an entirely digital format. We really had to work to adapt the model to still be effective online. We started with a need’s assessment for our newcomer program participants and volunteers to determine how the needs have changed. Luckily, we have an iterative model in our program delivery so that every match is informed by the match that preceded it.

The fundamental truth is that when you are talking about building social connections, nothing is going to replace in-person interactions. That is one of highest and best forms of building social connections, in terms of overcoming language barriers and benefiting from regular, in-person proximity to build trust. Due to the infinite patience of our volunteers and newcomer participants, we had a lot of success with the adaptation. We also recognize that there are limitations to how much you can rely on online communication for building those social connections. You cannot go to the library to show newcomers how to get a library card, play sports in a park, or have shared meals which was the foundation for so many of our matches prior to the pandemic. There is a more limited range of opportunities to engage in, but we have learned from that and shifted to what works best online.

Anna: We have essentially been in the midst of a remote social support pilot program over the last year. Creating good feedback loops between our program participants has been important in order to share new successes and challenges. This open communication has been very important as it has allowed us to share resources while the sector has been in flux. Engaging with previous matches that have gone or are going well allows us to continue to improve the program for future matches.

Anna: Both our newcomers and volunteers in our matches have shown so much creativity and ingenuity in terms of how to build social connections online. We have a number of matches that connect every week. They typically will connect either by phone or a video platform. Almost all matches also provide on-demand support, typically through text. I am supervising matches where people are cooking together, training towards running a 5K, and starting a book club. We have volunteers who are engaged in reading stories to the children in the families, and there is a lot of innovative language practice. As well, we have a lot of matches focused on employment.

Andrew: We are learning a lot more from volunteers and newcomers than we are imparting in this field. But one thing that is important is the consistency - the idea that there is someone who is regularly checking in on you, especially if you are isolated. It is meaningful for a lot of newcomers, knowing that “if I have an issue, there is someone who I can talk to.”

Edited by Elizabeth Karasarki & Emily Mastragostino

For more information about The Together Project, visit: www.togetherproject.ca

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MENTAL HEALTH IN LOW-INCOME POST-SECONDARY STUDENTS
CLAIRE HALLETT

Education is one of the biggest investments a person makes in their lifetime. During the 2019-2020 school year, the average cost of tuition for a domestic Canadian student was $6463.1 This figure does not include the cost of housing, transportation, food, textbooks, or other necessities. For students with low income, the price of going to school represents a significant stressor and can negatively impact their mental health.

According to social stress theory, low-income individuals are more likely to be exposed to stressful circumstances. This, in turn, can contribute to mental health concerns.2 Unfortunately, low-income individuals are less likely to have access to mental health resources even though they have greater need for them. This can manifest in numerous ways in the context of postsecondary education.

First and foremost, the cost of attending school can, in itself, cause a great deal of distress. In a study conducted at York University, Othman, Ahmad, El Morr, and Ritvo found that tuition fees were among the greatest sources of stress for students.3 They also determined that students with anxiety were 2.59 times more likely to have experienced financial hardship than students without anxiety. Furthermore, a U.S. study of low-income student experiences found that stress can be compounded by guilt about posing a financial burden to one’s family.4

Low-income status can also affect student wellbeing through its impacts on academic performance. For example, low-income students may need to work in order to support their studies. Time spent at work can take away from time spent studying or completing assignments. This can have a negative effect on academic performance. CNBC reports that 59 percent of low-income students who work 15 hours or more per week have an overall average of C or lower.5 As well, low-income students are less likely to have access to supplementary resources to improve their performance. Private tutoring is one such supplementary resource that can become quite expensive. The average price of private tutoring in Toronto is $25 per hour according to superprof.ca.6 In addition, preparatory courses to help students achieve admission to postgraduate programs can be massively expensive. The most popular Medical College Admissions Test (MCAT) preparatory course offered by The Princeton Review costs $2799 CAD.7 When it comes to supplements and other formal mental health supports, low-income students may be more vulnerable to decreases in self-worth related to poor academic performance.

Students with low income also have less access to resources to improve and maintain their mental health. Therapy and other formal mental health care can come at a significant cost. For example, in 2013, the Ontario Psychological Association recommended that psychologists in private practice charge $225 per hour.8 Fortunately, many Ontario universities offer therapy that is covered by student health insurance. However, it typically involves long wait lists, a limited number of sessions, and narrow options for treatment.9 Low-income students may also face barriers in creating and accessing informal social supports. Avenues for meeting new people and making friends can sometimes come at a cost. For example, school clubs or fraternities may require membership fees or dues. In addition, it may be difficult to socialize when this is often done in places like restaurants, movie theaters, and bars. Lower access to both formal and informal support systems places low-income students at greater risk for depression, anxiety, and suicidal ideation.10-12

Critically, individuals with low income are more likely to belong to minority groups that place them at an even greater risk of mental health concerns. In the 2016 Canadian census, 20.8% of racialized individuals were classified as having low income as compared to 12.2% of non-racialized individuals.13 Unfortunately, there is little research on the mental health needs of racialized, low-income individuals in Canada.14 However, in the United States, the office of the surgeon general found that racialized and low-income individuals were less likely to have access to affordable mental healthcare and, when they did receive it, the care was of poorer quality.15 Furthermore, a study of the effects of race and socioeconomic status on the mental health of American youth found that Black and Hispanic individuals had higher levels of depression compared to Whites. This difference was attributed to a greater likelihood of Blacks and Hispanics having a low income. Based on the existing research, it is likely that minority students with low-income face greater stress and less care compared to their peers. However, more research is needed on the intersection between socioeconomic status and minority identities, particularly in a Canadian context.

There are several actions that postsecondary institutions might take to increase equity between students of different socioeconomic statuses. For one, universities should offer greater flexibility in deadlines and grading. Due to circumstances beyond their control, students with low income may have fewer resources to prepare for assessments in the allotted time. By adopting a more understanding attitude toward students’ circumstances, colleges and universities would better allow students to achieve their potential. In addition, postsecondary institutions should consider expanding and diversifying the mental healthcare that is covered by student health insurance. This might include lowering the cost of care, offering a wider range of services, and providing training to school counselors about sensitivity to individuals with low income and other identities that exposes them to greater stress.16 Lastly, postsecondary institutions should provide platforms for their low-income students, hear their concerns and suggestions, and, most importantly, act on them.

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time and yet causes no disease until we are exposed to a stress, what is the cause of our illness, the microbe or the stress? I think both are – and equally so.”

Dr. Selye’s explanation of stress indicates that we are more susceptible to disease when we are stressed. Unfortunately, in our society, being stressed has become a metaphor for existence. Sometimes we have so many things to do that we don’t even know where to begin. We are no longer human beings, but human doings. When life becomes one giant to do list, there’s no time for play, and our emotional health suffers. Brian Sutton-Smith, a pioneer in play research, says, “the opposite of play is not work – it’s depression.”

Most people would agree that play, as a form of exercise, is beneficial for our physical and mental health. In Play: How it Shapes the Brain, Opens the Imagination, and Invigorates the Soul, Stuart Brown, MD, gives a disturbing overview of the lifespan of a sea squirt. The sea squirt starts its life as a tadpole. It cruises around the ocean, explores, finds nutrients, and is active—perhaps plays. Then it grows, matures, latches onto a reef, and it quits moving. Its life becomes purely passive; it becomes the couch potato of the sea. Since it is no longer actively engaged in life, it no longer needs a brain. Near the end of its life, it starts to eat its own brain! Humans are the same. As we age, our brain slowly degenerates, but when we stop moving, it degenerates at an accelerated rate. The basic principle here is “use it or lose it.”

The tale of the sea squirt also illustrates what happens when we are stuck in the same unchanging environment, not taking in any new information. In 1966, Dr. Marian Diamond studied two groups of mice. One group was placed in an enriched environment with lots of toys, levels, and unique spaces to play around in. The other group was placed in an open box with nothing to play with. She found that the mice in the enriched environment had increased glial cell activation, which means new brain cells were being generated. They also scored better on cognitive performance tests. Animals and children learn many of their motor and social skills through play. Many studies show that child development thrives on play. In fact, play and guided play offers strong support for academic and social learning. Comparisons of preschools that use playful child-centered approaches, versus less playful more teacher-directed approaches, reveal that children in the child-centered approaches do better in reading, language, writing, and mathematics. The science is in, play is essential for life. Plato knew this when he said, “Our children from their earliest years, must take part in all the more lawful forms of play, for if they are not surrounded with such an atmosphere, they can never grow up to be well conducted and virtuous citizens.”

A common side effect of play is laughter. Whoever said, “laughter is the best medicine,” got it absolutely right. Laughter strengthens the immune system, boosts mood, diminishes pain, and protects you from the damaging effects of stress. In Anatomy of an Illness as Perceived by the Patient, Norman Cousins accounts how he overcame a degenerative collagen disease using, among other things, self-prescribed laughter therapy. Cousin’s writings show that cultivating strong positive emotional states through humor and not taking yourself so seriously have a major therapeutic benefit in the healing process.

Although play is essential for our development and health, we have an ambivalence toward it. As we age, it seems more difficult to introduce play, especially when we are caught up in the things we need to do, the places we need to go, and the people we need to see. So how can we change that? It takes discipline. It’s not going to be handed to us. Making time to engage in play is something we work on. Like any skill, the best way to work on play is to start off small; no need to join a competitive water polo league, at least not yet. It could be as simple as belting out your favourite song in the shower as if no one were listening or digging out the old baseball glove and playing catch with a friend.

The paradox of play is that it recharges us, it refreshes us, and it rejuvenates us. When we go back to work, we do it even better. What we thought would take four hours only took 45 minutes. When we don’t make time for play, we get stressed, sick, and burned out. Moreover, we become too serious, and life seems joyless. Humans, like all species, need play. It is not a childish activity. It is essential to our health and wellbeing. To conclude, I will share another Plato quote. He said, “Life must be lived as play.”

Edited by Emma Syron & Emily Mastragostino

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MENTAL HEALTH IMPLICATIONS OF COVID-19 FOR CHILDREN WITH SPECIAL NEEDS AND THEIR FAMILIES

AGNES WONG

COVID-19 has changed our lives considerably. It has prevented most children around the world from accessing face-to-face education at school. Children with special needs could be particularly affected, as most rehabilitation training programs have been interrupted. This may negatively influence the progress of training or even lead to regression in some cases.1

According to a recent study conducted in the United Kingdom, both parents and their children with special needs reported deterioration in mental health due to COVID-19. They have experienced loss, worry, and changes in mood and behaviour.2 Children have experienced loss of daily routine while parents struggle to manage without their usual support networks. Children may not understand and worry about the situation, while parents worry about their child’s training progress. Some children may engage in disruptive behaviours at home while parents feel helpless to handle the situation.3

Although COVID-19 has created difficulties for most people, families with children who have special needs are particularly vulnerable. Autism Spectrum Disorder is a neurodevelopmental disorder associated with persistent social communication challenges, restricted and repetitive behaviours and interests, and hypersensitivity or hyposensitivity to sensory input.4 During COVID-19, some autistic children may experience anxiety due to disruption of daily routines and high levels of discomfort while wearing masks due to tactile hypersensitivity. In addition, sleep problems have disproportionately affected autistic children.5 A study conducted in Turkey found that autistic children exhibited more sleep problems and autistic symptoms when they were forced into home confinement due to COVID-19 than during the normal non-home confinement state.6 The mental health of families with children who have special needs requires our attention. For a small proportion of families—particularly those with children who have a hard time at school—social distancing and quarantine during COVID-19 may be providing a time of respite.7 The impact of COVID-19 on mental health for these families can be minimal or even lead to improvement in some cases.8

Some therapists and teachers now offer online rehabilitation training and phone consultation. A study conducted in India found that caregivers of children with special needs who did not use tele-rehabilitation or who received homecare therapy as difficult, held negative perceptions about tele-rehabilitation and were at greater risk for poor mental health.9 More education on the importance of home training—including encouraging families to attend rehabilitation in a different format and setting appropriate tasks for home training—may help these families.10 However, it is undeniable that certain children may be less suitable to participate in training using online formats.

Are there any recommendations for improving mental health for families who have children with special needs? If you are a parent tending a child with special needs, one of the most important suggestions is to take good care of yourself first. It is common for parents to put all their focus on the needs of children and the family—for instance, home training for children and ensuring everything at home is sterilized during the pandemic. However, parents’ own mental health may be overlooked.

Other suggestions for parents include considering your child’s behaviour as a form of communication, taking time to notice your own feelings, pausing before responding to your child, making time to relax (e.g., meditation, yoga, long baths), staying in touch with your social network, and reaching out to a healthcare professional if your mental health becomes a concern.11 Since blue light suppresses the production of melatonin, using electronic devices in the evening will likely affect sleep quality.12 Parents may try to limit screen time—for themselves and their children—for better sleep quality and better mental health overall. When arranging activities for your child, try to maintain a routine while including a mix of different activities. Some examples include free play, art activities, story time, and physical activities.13

For parents of children with special needs, it is important to remember that self-care is not selfish. Instead, it helps to ensure that we are physically and emotionally capable to care for our children.14

Edited by Iyasab Alman & Curtis D’Hollander

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ADDRESSING MICROAGGRESSIONS
AND TAKING ACTION

AN INTERVIEW WITH
SHANNON GIANNITSOPOULOU

AMY CHAN

Equity, diversity and inclusion (EDI) and mental health are intricately linked, and various studies have demonstrated its bidirectional relationship. Particularly, microaggressions—subtle, indirect, or unintentional remarks that are discriminatory against members of marginalized groups—are commonly experienced in our environment. One study suggests that being the victim of racial microaggressions may lead to increased signs of depression and thoughts of suicide.1 Moreover, there is a correlation between experiencing microaggressions and self-reported history of heart attack, depression, and hospitalization.1

Raising awareness and advocating against racial attacks and microaggressions within our workspace, community, and academic setting may significantly benefit our health and the health of others. I spoke with Shannon Giannitsopoulou to discuss the creation of University of Toronto’s (U of T) Faculty of Medicine Office of Inclusion and Diversity’s Microaggressions and Allyship Campaign (#UofTMedCARES), and her background and inspiration for this university-wide project.

Can you please give me a brief overview of your background and how you got to where you are today? (academic background, influenza etc.)

I did my BA in Philosophy, Gender Studies and English at U of T, focusing on courses that involve feminist theory and continental philosophy. I then pursued a college certificate in Corporate Communications and Public Relations at Centennial College, which provided me with an internship at a feminist anti-gender-based violence legal, counselling and interpretation clinic, where I worked for another five years. I was promoted to a Program Coordinator and had the opportunity to lead anti-oppressive projects across Ontario, reducing barriers that women from marginalized communities face when seeking supports for surviving gender-based violence. Subsequently, I received my Project Management Professional (PMP) certification, and went on to complete my MA in Social Justice Education at OISE. My thesis focused on a critical policy analysis on equity policies of Kinesiology faculties in Canadian universities. I am the first in my family to attend faculties in Canadian universities. I am passionate about researching and interrupting “white feminism” – feminism which is not intersectional. I am passionate about resisting and interrupting “white feminism” – feminism which is not intersectional. I believe that because they are Black, patients and even colleagues often assumed that because they are Black, they could not possibly be medical learners, and instead referred to them as volunteers or caretaking staff. I also identified that microaggressions are pervasive when reviewing data from the Voice of The... (VOT) Surveys which were completed by many stakeholders across the Faculty of Medicine. I created the U of T Faculty of Medicine Office of Inclusion and Diversity’s Microaggressions and Allyship Campaign (#UofTMedCARES) to increase the awareness of microaggressions and their impact, begin discussions around microaggressions and allyship, and to encourage individuals to use their privilege(s) to be allies to others. The campaign includes posters, post cards and social media images.

What are some topics that you are passionate about, or you think need more awareness?

I am passionate about working in solidarity with the land back movement and abolition movement. I am currently a member of the Solidarity with Land and Water Defenders collective (formerly known as the Social Justice Education Solidarity Collective), which was formed out of OISE. I urge all non-Indigenous Canadians to learn about and act in solidarity with Indigenous land and water defenders. State-sanctioned colonial violence, displacement of Indigenous People from their unceded lands, and environmental destruction continues to occur today. One place to start out is with the Wet’suwet’en Supporter Toolkit 2020, and the Open Statement of Solidarity with the Wet’suwet’en Land Defenders from the University of Toronto Faculty of Medicine Learners.

What is the Microaggressions campaign about, and how did it start?

As a Program Coordinator at the OID, I often heard stories from learners, staff and faculty members about microaggressions that they commonly face. For example, Black students, who are medical learners shared that patients and even colleagues often assumed that because they are Black, they could not possibly be medical learners, and instead referred to them as volunteers or caretaking staff. I also identified that microaggressions are pervasive when reviewing data from the Voice of The... (VOT) Surveys which were completed by many stakeholders across the Faculty of Medicine. I created the U of T Faculty of Medicine Office of Inclusion and Diversity’s Microaggressions and Allyship Campaign (#UofTMedCARES) to increase the awareness of microaggressions and their impact, begin discussions around microaggressions and allyship, and to encourage individuals to use their privilege(s) to be allies to others. The campaign includes posters, post cards and social media images.

What are some topics that you are passionate about, or you think need more awareness?

I am passionate about researching and interrupting “white feminism” – feminism which is not intersectional. As a non-Indigenous settler, a white woman, and a first-generation Canadian, I continue to unlearn colonial, patriarchal, racist ideologies. I am committed to working in solidarity with the land back movement and abolition movement. I am currently a member of the Solidarity with Land and Water Defenders collective (formerly known as the Social Justice Education Solidarity Collective), which was formed out of OISE. I urge all non-Indigenous Canadians to learn about and act in solidarity with Indigenous land and water defenders. State-sanctioned colonial violence, displacement of Indigenous People from their unceded lands, and environmental destruction continues to occur today. One place to start out is with the Wet’suwet’en Supporter Toolkit 2020, and the Open Statement of Solidarity with the Wet’suwet’en Land Defenders from the University of Toronto Faculty of Medicine Learners.

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Consider that the word ‘crazy’ stigmatizes people with mental illness. Can we say it was ‘tough’ instead?

That exam was crazy!

Image Source: medicine.utoronto.ca/microaggressions-and-allyship

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When a microaggression happens, be an ally that CARES.

Consider how what they did was harmful.

Accountable for your actions and willing to apologize.

Rethink harmful assumptions or stereotypes.

Empathize with those on the receiving end of microaggressions.

Support by offering resources and asking how you can help.

When I did an environmental scan, I found that many images and campaigns about microaggressions mainly focus on the harmful impact that microaggressions have on marginalized communities. One powerful message that I learned from Una Lee, a design justice advocate, is that we need to create images of the world we want to see. In that sense, social justice work must involve the practice of imagining new transformative worlds and ways of relating to one another. The CARES Microaggressions and Allyship campaign therefore aims to create imagery of and roadmaps to the kind of spaces we want to create in health care services and research. Leveraging institutional power to work in solidarity with grassroots movements of marginalized communities. Continue to learn, unpack, and resist the ways in which the university and health care services and research have historically been complicit in and active arms of systems of oppression, such as settler colonialism in Canada.

What are some ways that you think students, staff, and community members can support EDI in their environment?

- Ensure that everyone gets training on anti-oppression, including staff, faculty, students and leadership. This is so important to achieve a culture shift. Microaggressions is one topic, and there are many others. Training should include a focus on the different layers of oppression—interpersonal, systemic and structural—and the various systems of oppression—transphobia, sexism, racism, homophobia, etc. Learning must be ongoing as these are long-term, complex conversations.

- Everyone should have training on how to receive and make disclosures and reports of discrimination and harassment in a way that is trauma-informed and accountable.

- Understand that the university and health care services and research are not neutral spaces. Learning must involve unpacking and resisting the ways in which the university and health care services and research have historically been complicit in and active arms of systems of oppression, such as settler colonialism in Canada.

- Support the person who received the microagression.

- Empathize with the person who enacted the microagression.

- Rethink the harmful ideology or stereotype underlying their statement or action.

- Invite the person who enacted the microagression by apologizing and changing your behaviour.

- Consider the harm it caused.

- Ask that the person who enacted the microagression to Consider the harm it caused.

-Empathize with the person who received the microagression.

- Support the person who received the microagression by offering resources and asking how you can help.

- Think about what actions can be taken, and how current problems and progress can be measured. Then, report back on both the problems and the progress to all key stakeholders to ensure accountability.

- Make equity and anti-oppression central and embedded in everything. For example, how is anti-oppression woven throughout the entire curriculum? How is an equity lens applied to resource allocation and policy creation? How is anti-oppression as a key competency embedded directly in job descriptions and admissions?

- Understand that the university and health care services and research are not neutral spaces. Leverage institutional power to work in solidarity with grassroots movements of marginalized communities. Continue to learn, unpack, and resist the ways in which the university and health care services and research have historically been complicit in and active arms of systems of oppression, such as settler colonialism in Canada.

What should students and staff do if they witness or are the recipient of a microagression?

The CARES model provides ways to respond to microaggressions both in the moment and afterwards if you want to engage in allyship. When you witness a microagression occurring, there are ways to interrupt and help someone think about what they said. The way you respond may depend on the situation and whether you feel safe and comfortable doing so. Sometimes you may not feel safe because there is an unequal power dynamic at play (e.g., a teacher and learner scenario). If this happens, attempt to “call in” the person rather than “call them out”.

Calling in means taking an inquiring approach in which the main focus is to seek mutual understanding and reflection. “Calling someone out” is a more direct approach of interrupting the microagression.

You may also not respond because you do not feel safe in the moment. This does not mean there is nothing you can do. I encourage you to check in, empathize and support the individual who experienced the microagression. You may want to access disclosure and reporting pathways, such as an Equity Office, to disclose what you witnessed or experienced. Some offices, such as OED, may allow for anonymous reporting for individuals who do not feel safe enough to do so. You may want to reach out to trusted friends or Faculty Members for support, and to find ways to address this through training/programs that can be offered to students and staff.

Experiencing microaggressions can be scary, hurtful, and can bring upon feelings of alienation and invalidation. Interrupting and stopping microaggressions from occurring can prevent the perpetuation of racism and discrimination within our academic and work environments. To learn more about this initiative and how to practice the CARES model, visit the University of Toronto’s Microaggressions and Allyship Campaign page.

References


FOOD INSECURITY, MENTAL HEALTH, AND POST-SECONDARY STUDENTS

CURTIS D’HOLLANDER

The Food and Agriculture Organization (FAO) of the United Nations defines food insecurity as “lacking regular access to enough safe and nutritious food for normal growth and development and an active and healthy life. This may be due to unavailability of food and/or lack of resources to obtain food”. Food insecurity ranges from mild, meaning there is uncertainty about the ability to obtain food, to severe, when food is missed for a day or more.1 There are important health implications of food insecurity. A dose dependent response has been demonstrated between food insecurity severity and mental health status – that is, as food insecurity worsens, so does mental health status.2 This trend has been observed consistently over all regions around the world, including North America.2 The relationship is likely bi-directional, with food insecurity being extremely stressful, and those already struggling with mental illness at risk for food insecurity.

In Canada, household food insecurity is measured via the Household Food Security Survey Model (HFSSM) on the Canadian Community Health Survey (CCHS) by Statistics Canada. This data was last collected in 2017/2018, which found 1 in 8 Canadian households were food insecure - an increase from 2007/2008 and 2011/2012.2 The relationship between food insecurity and mental health has also been observed in Canada. Jessiman-Perreault & McIntyre used CCHS data from ~300,000 Canadian adults to examine the relationship between food insecurity and 6 adverse mental health outcomes. After adjusting for socioeconomic and demographic factors, the results clearly supported a possible dose-dependent relationship between food insecurity and mental health outcomes (Figure 1).3 For instance, if a moderately food insecure household were to become food secure, a 14% reduction in the reporting of depressive thoughts in the past month would be expected.4 On the other hand, if a severely food insecure household were to become food secure, a 25% reduction in the reporting of depressive thoughts in the past month would be expected.4

Similarly, Davison & Marshall-Fabien used data on three provinces from the CCHS to examine the relationship between food insecurity and suicide ideation among 5,270 Canadian adults. Those with moderate and severe food insecurity were found to be more likely to have suicidal ideation.5

Food insecurity is not experienced equally across Canada. As a vulnerable group, the food insecurity experiences of post-secondary students deserves greater attention. Post-secondary students are faced with high and increasing costs of tuition, housing, and living expenses while receiving little or no income and often carrying debt. For instance, tuition fee increases historically outpace inflation. In 2014/2015, Canadian undergraduate tuition fees rose 3.3% while inflation measured by the Consumer Price Index rose 1.3% in the same period.6 This same trend is shown from 1990 through 2005 in Figure 2.7,8 Additionally, in the year 2000, the average debt for a Canadian Masters student at graduation was $20,300, while it increased to $28,000 in 2015.9 A search of public databases revealed only 5 recent studies examining food insecurity at Canadian universities. Results are summarized in Table 1. There are two important messages from these results; 1) Food insecurity among Canadian post-secondary students is about triple the national average and, 2) There is no data on food insecurity among University of Toronto students.

The purpose of this article is to raise attention to the invisible food insecurity problem which is (very) likely occurring at the University of Toronto and subsequently effecting students’ well-being and mental health. For any problem to be solved, it first needs to be well defined, which is why we should collect food insecurity data on University of Toronto students.

Edited by Emily Mastrogiacomo & Jeffrey Lynham

References
Table 1 | Summary of studies examining food insecurity among Canadian post-secondary students

<table>
<thead>
<tr>
<th>Author, year, University</th>
<th>How food insecurity was measured</th>
<th>Sample characteristics</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wagner et al., 2020* Wilfrid Laurier University</td>
<td>Modified HFSSM</td>
<td>n= 844 (4.3% of student population) Undergraduate (89%) Graduate (11%)</td>
<td>Undergraduate: 47% food insecure to some extent Graduate: 51% food insecure to some extent</td>
</tr>
<tr>
<td>Entz, 2017* University of Manitoba</td>
<td>Modified HFSSM</td>
<td>n= 548 Undergraduate (86%) Graduate (14%)</td>
<td>Undergraduate: 35% food insecure Graduate: 33% food insecure</td>
</tr>
<tr>
<td>Olauson, 2017* University of Saskatchewan</td>
<td>Modified HFSSM</td>
<td>n= 1,359</td>
<td>39% of students food insecure to some degree</td>
</tr>
<tr>
<td>Frank, 2018* Acadia University</td>
<td>Modified HFSSM</td>
<td>n= 1,030</td>
<td>38% of students food insecure</td>
</tr>
<tr>
<td>Silverthorn, 201610 Brock University Dalhousie University Lakehead University University of Calgary Ryerson University</td>
<td>Modified HFSSM</td>
<td>n= 4,013 Undergraduate (87%) Graduate (12%)</td>
<td>Undergraduate: 39% food insecure to some degree Graduate: 35% food insecure to some degree</td>
</tr>
</tbody>
</table>

The following relates the reasons for, then the running and results of, a study on antenatal and postnatal women’s mental health in Cambodia. The study was part of a larger four-year initiative sponsored by the Canadian government and Adventist Development and Relief Agency (ADRA) Canada to positively change women’s health in Southeast Asia. ADRA, already on the ground in Cambodian communities and well placed to carry out enough surveys for statistical validity, conducted the study.

First, why do the study? The World Health Organization (WHO) describes mental health as an integral and essential part of health and that, generally speaking, there can be no health at all without it. Mental health is an integral part of health and well-being of the infant. Antenatal depression, particularly mild depressive symptoms, may be overlooked by primary health care (PHC) providers during antenatal assessments. The condition and symptoms are often attributed to emotional changes due to fluctuating pregnancy hormones. However, untreated antenatal depression can be associated with risks of postpartum depression, which has significant consequences for the health and well-being of the infant. Antenatal depression is a public health concern due to its negative effect on the general health of women. Further, antenatal depression is associated with underutilization of antenatal care services, complications during pregnancy, negative experiences in childbirth, adverse pregnancy outcomes (e.g., preterm birth, low birth weight, stillbirth, and birth asphyxia), and infant mortality and morbidity (i.e., poor infant growth and development).

The World Health Organization (WHO) estimates that by the year 2030, depressive disorder will be the leading cause of global disease burden in women. The rate of depressive illness in women of reproductive age (15-49) is projected to be twice that of men in the same age range. A systematic review of 21 studies on antenatal depression reported an overall prevalence of 10.7%, though variability was noted in the individual studies (representing upper-middle
Cambodia is a lower-middle-income country in Southeast Asia with an estimated population of 15.6 million. The majority of the people are Buddhists, and the primary language is Khmer. Cambodia’s total landmass is 181,035 sq. km, and there are 24 provinces and 185 districts. Cambodia places 46 out of 178 countries in the Fragile States Index, an annual report published by the New Humanitarian news agency.

Cambodia has a long history of war and violence, from the civil war in the 1960’s and the Khmer Rouge period in the 1970’s. This history, coupled with widespread poverty, limited resources, high rates of violence against women, a precarious human rights situation and limited resources for care are contributory causes to the poor mental health problem in Cambodia. An interview with a local Provincial Health Department Director revealed that national documents containing guidelines for mental health care exist, but the available resources and health care infrastructure are below the WHO’s recommendations. Moreover, the Health Director said, there is no budget allocated for mental health at the district level, no mental health specialists, and the mental health training provided to health care workers is insufficient.

Approximately 85% of Cambodians live in rural communities, while mental health facilities are in urban areas. Currently, Cambodia has 1,049 primary health care (PHC) centres that service 10,000-20,000 people. However, in a report from 2010, only 43% of the PHC services provided the complete minimum package of services required by the government. PHC is considered to be the best way for people to receive mental health care; people can access the service closer to their homes, plus stigma and discrimination are minimized.

Current evidence suggests that mental health care can be delivered effectively in PHC settings with the help of community-based programs and task-shifting approaches. Basic training in mental health care and appropriate supervision by mental health specialists can contribute to non-specialist health professionals’ ability to detect, diagnose, and treat patients with mental health disorders, reducing the number of unnecessary investigations and inappropriate and non-specific treatments. It is complex to integrate mental health care into PHC, but evidence has shown that community-based services are more effective and cost-effective than hospitals.

In Cambodia, antenatal care is focused more on physical health in pregnancy, paying little attention to the psychosocial health of pregnant women. Thus, women with antenatal depression may not be identified during the prenatal period to initiate psychosocial interventions to prevent or mitigate the adverse consequences associated with antenatal depression. The social and environmental context is essential to consider, as they have predominantly been associated with antenatal depression. Understanding the magnitude and risk factors of antenatal depression is imperative to improving maternal mental health, and fulfilling the UN’s Sustainable Development Goals (SDGs) numbers 3 and 5: promoting good health and well-being of mothers and children and advancing gender equality among populations, respectively.

The statistics from the study also reflect and include the unreported and unrepresented proportion of women who suffer from anxiety and depression during their pregnancy. Within Cambodia, there has been no national measurement of maternal anxiety or depression. Consequently, their potential impact on the mother and her child in relation to health intervention success, nutrition, child or maternal health has not been explored.

In close collaboration with other organizations, a study conducted by Pugh (2009) has researched this phenomenon in three Cambodian provinces, with the aim of measuring the prevalence of anxiety and depression in the pregnant population and their impact as risk factors for low birth weight within the cohort.

In response to all these concerns, ADRA sought to intervene during its four-year maternal and child health programme, called EMBRACE. Through EMBRACE, researchers from the Canadian office, in partnership with the local ADRA office in Cambodia plus other locals at the provincial and municipal levels of government, co-designed and conducted research to identify the current prevalence rates of antenatal depression and anxiety within its targeted project sites, Chaom Kh sans, Rovieng, and Sdandan districts. Additionally, the research aimed to identify mental health services currently available to community members within its targeted villages. ADRA’s research identified six sites for crucial informant interviews made up of government health facilities (one hospital and five health centers), that provide comprehensive antenatal care services. A total of 11 key informant interviews (KII) were conducted at local health facilities, including personnel such as health centre directors, physicians, and nurses. The interviewees outlined the availability of mental health services currently provided within a primary care setting. Additionally, over 300 pregnant women were interviewed using the Edinburgh Postnatal Depression Scale (EPDS), the standard and most commonly used tool by health professionals during prenatal care for determining the risk of associated depression during pregnancy.

Based on the interviews conducted in these regions, researchers discovered that 21% of 93% of pregnant women scored below 13, indicating no self-reported depression. Current depression rates range from 11.5% to 80% in Cambodia, meaning that our results were just outside of the current range of depression within the country. However, given that these results were specific to pregnant women during their pregnancy, our results indicated lower rates of depression among pregnant women than outlined by Pugh (2009). These contrasting results may...
be explained by various reasons, including study design, tools used, cut-offs established and/or differences in social and environmental risk factors contributing to depression. Likewise, it may be caused by stigma, cultural constraints, and taboos associated with mental health disorders in Cambodia and worldwide. One final explanation may be the implementation of ADRA’s EMBRACE project between 2016 and 2020. During EMBRACE, the project’s targeted communities received ongoing and sustainable support by constructing additional maternity wards at targeted health centres, training for frontline health workers to enhance to current levels of care experienced by women in surrounding villages, and community-led financially sustainable savings groups to allow pregnant women better access to antenatal care services that are crucial to proper and healthy pregnancy and neonatal outcomes.

Based on the findings conducted by ADRA within the EMBRACE project in Cambodia, it is recommended that program designers of maternal health projects in developing countries aim to incorporate a mental health component for psychosocial support that is fully integrated into the delivery of antenatal and postnatal care check-ups. This will allow health care professionals at the community level to determine early in the life of a project or intervention the need for additional support.

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ELUCIDATING THE MENTAL HEALTH CRISIS IN ACADEMIA

NORZIN SHRESTHA

Mental Health and mental illness are often wrongly used interchangeably. Similar to how we take care of our physical health by exercising and eating healthy, it is equally important to take care of our mental health. Yet, why is it easier to discuss our physical health with a doctor (i.e., when we break a bone or develop a cold), but it is more difficult to talk to someone when our mental health is suffering? Poor mental health does not need to be permanent. Whether it is with medication, whether it is with committee meetings, presenting posters/talks at conferences, and defending our work at the end of graduate school. So, in this competitive and sometimes hostile environment (depending on the lab you’re working in), a failed experiment or a failed project can send us to a very dark place mentally. In reality, failure is a part of life and sometimes, things don’t work out as we had planned or envisioned. In times like these, we really ought to remind ourselves that some failed experiments have resulted in scientific breakthroughs!

Graduate school is a very challenging experience, however, there are other professions that are equally, if not more, challenging. What are we doing that is debilitating the mental health of our communities? I think it’s crucial to point out that even though the majority of work published on mental health focuses on graduate students, there are other members of our community who are also suffering (i.e., post-doctorate fellows, faculty members and lab staff). If they were experiencing mental health issues in school and didn’t seek help, then their poor mental health has not been addressed their whole career!

Everything that I have touched upon so far is a part of the global mental health problem. It’s not just restricted to our department or to the University of Toronto. Nevertheless, if we want to see change, we have to start small and that would be here within the Cell and Systems Biology (CSB) Department. Financial concerns, inside and outside of academia, are major contributors of stress, anxiety, and depression. Compared to other departments, serving as a teaching assistant (TA) is a part of our stipend. So, in addition to conducting experiments, we have to be a TA, while also taking some grad courses. For those of us who want to stay in academia and become professors, this is the ideal situation as we have a guaranteed position. For others who plan on working in industry, venturing outside of academia and industry or who have terrible time-management and multi-tasking skills, it is extremely stressful and more of a nuisance. Then, there are those of us who have families to support and the current stipend is really not enough!

When I started my PhD, I wasn’t aware of the mental health crisis in academia. As I progressed through graduate school, I began to notice many friends slipping from being mentally healthy to developing anxiety, depression and some who even contemplated suicide. Being on the caregiver side of the struggle, it was heartbreaking to watch such brilliant and strong individuals suffer. In my pursuit to help them, I realized that the department didn’t have any resources in place to help those who were suffering. There was no conversation around mental health and absolutely no awareness of the current crisis. It was then that I decided it was time to take action and founded the St. George CSB Wellness Committee. The committee consists of graduate students, a post-doctoral fellow, a staff member and faculty members. I believe that the best way to tackle this crisis is by working together. This committee will hopefully be useful for those who don’t feel comfortable disclosing their feelings to their social circle or for those without one (such as international members, labs with only one student, and domestic but out of province members of our community). The goal of the committee is to increase awareness surrounding the mental health crisis, while advocating for the wellbeing of everyone involved. So, if you are reading this and you are suffering, please reach out to someone. It doesn’t matter who. Just someone. Sometimes, just the act of talking helps.

If you are experiencing emotional distress and would rather speak to someone outside of our department or university, please contact one of the following crisis lines:

Good2Talk: 1-866-925-5454
Gerstein Centre Mental Health Crisis Helpline: 416-929-5200
Toronto Distress Centres: 416-408-4357
Crisis Services Canada: 1-833-456-4566
Kids Help Phone: 1-800-668-6868

Article previously featured in CSB’s The Frontfront

Illustrations by Cynthia Wong
INCOME INEQUALITY AND MENTAL HEALTH

JEFFREY LYNHAM

Emeritus of Social Epidemiology at the University of Nottingham, offers a more sophisticated view of income inequality:

“Inequality brings out features of our evolved psychology to do with dominance and subordination, superiority and inferiority. It affects how we treat each other and feel about ourselves. Inequality increases status competition and status insecurity. It increases anxieties about self-worth, and intensifies worries about how we are seen and judged – whether as attractive or unattractive, interesting or boring...”

In their book, The Spirit Level, Dr. Richard Wilkinson and Dr. Kate Pickett suggest, through their work and the work of many other scholars, that health and social problems are much more prevalent in societies with larger income differences between the rich and poor (Figure 1). Countries that are more equal, like Norway, Sweden, and Finland, have a low index of health and social problems, whereas countries that are less equal, like the UK, Portugal, and the United States have a high index of health and social problems (Figure 1). These problems include poor math and literacy scores in children, higher rates of infant mortality, teenage births, imprisonment, obesity, and drug addiction, as well as lower life expectancy. The research literature on income inequality and health and social problems is far beyond the scope of this article; however, I would like to highlight a few significant findings that show a correlation between income inequality and poor mental health outcomes, including stress, anxiety, depression, and narcissistic traits.

Mental illness is now the leading cause of disability in Canada, with 1 in 5 Canadians struggling with their mental health in any given year. The burden of mental health problems in Canada is overwhelming the healthcare system. Wait times for counselling and therapy can be long, especially for children. In Ontario, six month- to one year wait times are common. Are these high levels of mental illness an inevitable consequence of modern life in a high-income country? Maybe not. Rates of mental illness vary substantially among high-income countries, with greater income inequality showing a strong positive correlation with mental illness and drug misuse problems in front of an audience, invoked the greatest stress responses. These findings demonstrate that people are most stressed when they feel like they are being judged by others, which is consistent with poor mental health being more prevalent in unequal societies. Indeed, this was confirmed in 2014 by Dr. Richard Layte and Dr. Christopher Whelan. When analyzing data from 35,634 adults in 31 countries that participated in the 2007 European Quality of Life Survey, Layte and Whelan found that, across all income levels, status anxiety was higher in more unequal countries (Figure 3).
Incomes may develop forms of self-esteem while those with higher feelings of inadequacy, self-doubt, low mental health. More specifically, those on either side of the spectrum, to their self-esteem or social status, subordinate behavior as well as system" that guides dominant and subordinate behavior. Dr. Johnson and colleagues identified the Dominance Behavioural System (DBS) as a "biologically-based measure of the economic burden of mental illness in Canada. Chronic Dis Can 28, 92-98 (2008).
THE LINK BETWEEN EQUITY AND MENTAL HEALTH

AMY CHAN

The social determinants of health, which are non-medical factors that impact health outcomes, are a significant topic at the intersection of equity and mental health. The environment where we grow, live, and work impact both physical and mental wellbeing, and research has demonstrated that individuals who face social and economic inequities are at a greater risk of experiencing poor mental health. In this article, I hope to shed some light on the current mental health equity research, how we can improve access to mental health services, and how to promote mental health in the community.

How Does Social Equity Relate to Mental Health?

Mental health is strongly tied to our intersectional identities and our personal experiences with social inequity, marginalization, and discrimination. For instance, individuals who have experienced poverty are at a greater risk of developing mental disorders. For instance, individuals who have experienced poverty are at a greater risk of developing mental disorders.

More recently, the novel coronavirus disease of 2019 (COVID-19) has globally disrupted economic and healthcare operations, education, and community health. It has resulted in a global increase of unemployment and business closures. The adjustment towards home confinement has been associated with an increased prevalence of anxiety, depression, and sleep disturbances including insomnia. Particularly, individuals from disadvantaged backgrounds and marginalized communities may experience an even greater risk of mental health concerns during COIVD-19. This can come from a lack of social connection, limited access to resources, and stressful events including experiencing grief and unemployment.

What Can We Do?

As students and community members, we are an integral part in the advocacy, promotion, and delivery of mental health services. Here are some ways we can support others in the community:

• Donate – Donate items in need or dollars to support the efforts of an organization or movement that you hope to advocate for. Your donation can be used to support the individuals who dedicate their time and effort to continue the cause!

• Collaborate with or volunteer for an organization – Many social justice and mental health organizations rely on folks from the community to keep their operations going. If you are a student, think about ways to bring these important causes to the student body through collaboration, or volunteer with an organization that you share important values with. If you’re an entrepreneur or business owner, feature the organization in your store, or develop events to drive community involvement!

• Spread awareness – Spreading awareness about the cause can be done in so many ways! From simply ‘liking and sharing’ educational resources and organizations on social media, to developing fundraisers, conferences, or seminars to educate the public on the cause. You are an integral part of connecting community members to these important causes and starting the movement.

• Participate in research focused on mental health equity – Contribute to the research efforts on mental health equity by participating in local or international studies. Research is important to inform policies and direct how institutions can better support those in need.

• Advocate for changes in policies, institutional goals, school curriculum – In addition to spreading awareness, advocating for these changes is the next step! This could include writing letters to student and community councils or joining groups that actively work toward improving policies and school curriculums.

What to do if you are experiencing mental health concerns. If you are experiencing mental health concerns, there are many ways to get help.

Access Canada Suicide Prevention Service at criseservicescanada.ca, by phone at 1-833-456-4566, or by text (45645).

For kids and youth, contact Kids Help Phone at 1-800-668-6868, by chat at https://kidshelpphone.ca, or by text (CONNECT to 686868).

For University of Toronto students, find someone to talk to right now at https://studentlife.utoronto.ca/task/support-when-you-feel-distressed/.

If you are experiencing an immediate mental health crisis, call 911.

Edited by Angela Dent & Curtis D’Hollander

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THE PROTECTIVE FACTORS OF MENTAL HEALTH AMONG ETHNIC MINORITIES DURING COVID-19

AGNES WONG

COVID-19 poses a serious threat to global mental health. The situation could be particularly concerning in ethnic minorities who might additionally be facing racial discrimination. According to a recent study, Asian American adult college students are protected from the psychological distress caused by racial discrimination, if they have high levels of both ethnic identity commitment and metastereotype awareness (MSA). MSA refers to the awareness regarding stereotypes others hold of their ethnic group. Hence, if one person feels a strong sense of belonging to the group but without being aware of the stereotypes held by others, then the person will still feel psychologically distressed. However, those who were unaware of the stereotypes and had little attachment to their ethnic group were also protected from psychological distress.

Nevertheless, discrimination is omnipresent globally especially due to COVID-19. The long-term effects of being unaware of the stereotypes held by others can be detrimental as they may lead to feelings of inferiority and can negatively affect one's mental health. So, how can we help ourselves and our friends? If you are one of the ethnic minorities and face racial discrimination at times, then you may consider engaging in some cultural activities to help you feel positive about your own ethnic group and enhance your sense of belonging.

One suggestion is to learn the history of your ethnic group and read books about your specific cultural heritage. If you are an ally who wants to help your friend, then you must first take good care of yourself, and then try to be aware of and understand the stress and discrimination that your friend may be experiencing due to COVID-19. Listening actively, taking their concerns seriously, learning about cultural differences, being respectful, and giving your warm support and care when needed.

In addition, appropriate coping strategies are essential for mental health of ethnic minorities during this stressful period. You may have experience in coping actively, which can include problem-solving or seeking emotional support. On the other hand, you may detach from the stressor by socially withdrawing. These are examples of engagement and disengagement coping strategies respectively.

Surprisingly, the literature in the area of engagement and disengagement coping is characterized by mixed findings. A study found that engagement coping strategies were associated with less psychological distress among Asian American and Latinx American college students experiencing racial-ethnic microaggressions, while disengagement coping strategies failed to show such effect. Conversely, another study found that disengagement coping strategies were associated with reduced depression among Asian Americans who experienced racial discrimination. Perhaps both engagement and disengagement coping strategies could work as a recent study found that both strategies were effective in moderating the relationship between depression and life satisfaction among Chinese immigrants and Chinese Americans during COVID-19.

There is no answer to how to help the people who are like-minded, and distancing oneself from discrimination (e.g., focusing on study or work). Seeking professional support is also one of the important strategies if you are struggling to find helpful coping strategies. Practicing most of these strategies should enhance your mental health, in general, regardless of racial discrimination.

References


THE IMPACT OF COVID-19 ON THE MENTAL HEALTH OF INDIVIDUALS WITH ADHD

SHAMANTHA LORA

The public health burden of coronavirus disease 2019 (COVID-19) has been experienced worldwide, yet it has disproportionately affected individuals with attention deficit hyperactivity disorder (ADHD). The prevalence of ADHD in North America is estimated to be between 5.3% and 9.0%. ADHD is characterized by inattention, hyperactivity, and impulsivity, and these symptoms can be exacerbated by stress and anxiety induced by a global pandemic. For example, children and adolescents with ADHD may have additional struggles with remote learning, physical distancing, and family confinement. In response to this, the European ADHD Guidelines Group (EAGG) published a multimodal intervention approach to the assessment and management of ADHD during COVID-19. Although this guideline is intended to educate primary caregivers and provide parents with appropriate behavioral strategies, it fails to provide specific information regarding evidence-based interventions targeted at mitigating the difficulties faced by students with ADHD, such as coping with chronic stress, lack of consistency, and emotion dysregulation. These difficulties can hinder the capacity of individuals with ADHD to deal with daily tasks and behaviors. Emerging studies suggest ADHD children’s behaviors have markedly worsened throughout the pandemic. These findings have been conducted primarily using survey-based reports from primary caregivers. The aim of this article is to provide a critical appraisal of the effect of COVID-19 on the mental health functioning of individuals with ADHD by examining a 2021 study conducted by Dr. Rosanna Breaux and colleagues.

Breaux and colleagues found that both ADHD status and pre-COVID-19 emotional regulation (ER) abilities to have significant relevance in predicting changes in mental health. They conducted a longitudinal study examining changes in the mental health functioning of adolescents with and without ADHD at three time points. The time points that the authors investigated were pre-COVID-19, spring 2020 (during stay-at-home orders), and summer 2020 (after stay-at-home orders were lifted). Their findings indicate a significant difference between scores taken prior to COVID-19 and scores in spring 2020 and summer 2020 across the measured dimensions. Interestingly, the findings revealed an initial increase in symptoms of inattention, hyperactivity, and impulsivity observed in spring 2020 that later decreased in summer 2020 following the lifting of lockdown measures, which suggests that this population is susceptible to pandemic stressors. In addition, adolescents identified pre-COVID-19 with poor emotional regulation (ER) abilities scored higher and demonstrated, on average, more depression and anxiety symptoms at all time points. Interactive risk was assessed based on ADHD status and pre-COVID-19 ER abilities using linear mixed-effects models. Their comparative models suggested that adolescents with ADHD and poor ER abilities were at an additive risk for inattention, hyperactivity, and impulsivity symptoms. This coincides with existing findings that suggest that remote learning places increased demands on executive functioning. Those with ADHD are under greater pressure since they are now required to learn in a more independent learning environment amid distractions and pandemic-related disruptions.

These findings set the stage for future research and guidelines on how to manage ADHD during a public health crisis. Children, adolescents, and adults with ADHD are at a disadvantage. The effects of home confinement may vary depending on the severity of ADHD combined with their environmental conditions. Unfavorable conditions at home may increase the risk of impulsive behaviour and difficulty in following instructions. Home confinement has restricted individuals’ access to both personalized medical care and academic resources. Even though some studies report interruptions of social relationships, reduced physical activities, lack of structure, and an overall disruption of routine, others indicate decrease in anxiety and overall improvement due to less school-related strain and flexibility in schedules. These inconsistent findings can be better understood when ADHD is seen as a spectrum disorder. For instance, studies observing mood and behavioural variations in individuals based on their degree of severity distinguished that low severity degree of ADHD correlated with worsening of all dimensions yet individuals with moderate to high severity demonstrated improvement in restlessness, irritability, and other behavioural dimensions.

Dr. Breaux and colleagues, however, suggest that gender influences or determinants such as socioeconomic status (SES), ethnicity, and medication status are not significant predictors of mental health in adolescents with ADHD. These generalizations may be best understood when considering the limiting factors of the study. Potential selection and ascertainment bias of the study cohort only allowed for teenagers aged 15-17 years old to be included in this study. Children with ADHD who are younger than 15 may be more susceptible to effects of chronic stress whereas adolescents might demonstrate greater adaptability, greater flexibility, and greater cognitive development. Since individual ER abilities can vary, the results of this study are limited in its generalizability to using ER as a potential protective factor against environmental stressors for all individuals with ADHD.

The study may also be limited by spectrum bias due to its exclusion of ADHD participants with other comorbidities. This bias can also be explained using a predominantly white study sample and the low level of variance in family income. It has been argued that families with low SES are one of the most vulnerable to the negative effects of COVID-19.
This is especially true for individuals who are suffering both financially and mentally. The study cohort did not capture ADHD adolescents from underserved communities, minorities, and other ethnicities, despite efforts to recruit from schools in a range of socioeconomic areas in the US, suggesting lower SES chose not to participate. Given this underrepresentation, it can be inferred that the psychosocial effects on adolescents would likely be more severe and include a wider distribution of symptoms than the true spectrum of ADHD may present study findings. Therefore, it will be important to use multimodal interventions to address the emotional and behavioural challenges of ADHD individuals. We need additional research focused on parental psychopathology, academic support at home, effectiveness of telepsychiatry, and access to technology. It is also important to take into consideration the need for a supportive domestic environment for individuals with ADHD. This requires engaged parents who are responsible for providing both academic and parental support during home confinement. Insights on how to best support vulnerable individuals with ADHD will guide caregivers toward a more holistic approach to care. Therefore, longitudinal studies that investigate long-term consequences of pandemic conditions should continue to provide insight into the types of support individuals with ADHD need.

Moving forward, it will be important to use multimodal interventions when addressing the emotional and mental health needs of individuals with ADHD. This will also provide policy makers with evidence-based information to determine the potential risks of pandemic restrictions, which will help caregivers build better support systems for individuals with ADHD during COVID-19 and future pandemics.

References


SOUTH ASIAN CANADIAN HELP-SEEKING BEHAVIOURS AND BARRIERS TO MENTAL HEALTH SERVICES

ASHLYN JAMES

More than half of the people in the South Asian community with a mental illness do not seek help. Specifically, South Asian immigrants have higher levels of life stress and anxiety in relation to other Canadian populations. Furthermore, the ongoing mental health stigma experienced by South Asian communities is linked to poorer personal wellbeing. These startling statistics show a need for care that is not being met for the South Asian community.

The South Asian community is growing considerably and makes up one of the largest non-European ethnic origin groups in Canada. According to the federal census, the South Asian community refers to those with ancestry that originates in South Asia, a region that includes but is not limited to the nation-states of Afghanistan, Pakistan, India, Nepal, Bhutan, Bangladesh, the Maldives, and Sri Lanka. I hope this article opens the minds of its readers and raises awareness for members within South Asian communities who face service access barriers that include personal beliefs of services, language incompatibility, culturally insensitive services, and culturally dissimilar styles of interaction.

In terms of post-secondary experiences, South Asian college students have less positive attitudes towards counseling than Caucasian college students. This could be due to self-stigma, anticipated beliefs, and self-disclosure that is shown to influence help-seeking behaviours in college students from varied ethnic and racial backgrounds. Self-stigma and perceived stigmatization can be compounded by ethnic minorities’ relationships with the dominant society, other ethnic groups, and their own ethnic groups. These barriers for South Asian college students are not being addressed by universities. As a student who has worked at mental health resource centers in Canadian universities, I can attest to services being tailored to the wider university demographic, in turn overlooking the specific needs of minority students in the South Asian community.

Gender should also be considered when creating specific and accessible mental health programs. South Asian women have higher levels of distress when they have low extended family support, and men have higher levels of distress when they have a low community position and conflict within the family culture. Moreover, personal stigma and being male are negatively associated with help-seeking behaviour. This exemplifies that different genders face different unmet needs for service in South Asian communities and these gender differences are not acknowledged within the mental health community. This lack of knowledge in combination with service barriers is negatively affecting the South Asian community.

Mental health services are tailored to a white heteronormative patriarchal society in terms of language, advertising, accessibility, and cultural fit. Various findings and real-life examples demonstrate the implications of this reality. A 2008 Canadian study which included over 16,000 ethnic minorities found that South Asian immigrants were less likely to use mental health services than Caucasian populations. In addition, a 2013 telephone survey of a random sample of the South Asian community aged fifty-five and older found cultural incompatibility, negative personal attitudes about using services, administrative problems, as well as circumstantial challenges to all create barriers to accessing services.

Most recently, as the COVID-19 pandemic unfolded, Canadians witnessed a disproportionate number of the black, indigenous, and people of color (BIPOC) community contracting COVID-19 due to long-standing systemic health and social inequities. The South Asian community, particularly immigrants, have limited access to many of the social determinants of health. This limited access in turn increases the risk of not having fair opportunities for economic, physical, and emotional health. A lack of mental health resources for the South Asian community only compounds the oppression experienced.

These research trends indicate there is a need to address the inequality created by an unmet need for care exhibited by the alarming amount of South Asian community members with a mental illness not seeking help. A culturally appropriate plan of action should be developed and implemented. Firstly, a plan which aids South Asian communities in overcoming barriers related to personal attitude. Secondly, a plan to give South Asian communities better access to needed services. Fortunately, the blueprints for such a plan do exist. In 2013, the Council of Agencies Serving South Asians had their third annual Health Equity Conference where they created a plan called Building an Effective South Asian Health Strategy in Ontario.

More broadly, policymakers should reduce service barriers affecting South Asian communities by setting policy targets, focusing on health promotion information, creating gender equality programs empowering both men and women in the South Asian community, and put in place services for cultural needs and language barriers. Unfortunately, health disparities remain unaddressed and there continues to be structural inequalities that are detrimental to the health and safety of BIPOC communities across Canada. This article allowed me to display one of many inequalities that must be addressed.

Edited by Maverick Smith and Curtis D’Hollander
NEUROPLASTICITY AND MENTAL WELLBEING

USING THE ADAPTIVE QUALITY OF THE MIND TO CREATE AN UPWARD SPIRAL

MILENA BRATICEVIC, Ph D

We all experience a level of worry in our lives. By the time an average person starts their day, they will experience innumerable worrying thoughts: How will I take care of my family? Will I do well at my job today? What if something comes up that I am not able handle?, etc. According to the latest Mental Health Research Canada poll, Canadians are experiencing unprecedented mental distress due to the pandemic, with common mental disorders reaching the highest levels ever. Young adults, women, and ethnic minorities have been disproportionately affected with anxiety and depression, while suicidal ideation among young people has reached a catastrophic rate of 20%.

It seems that the constant chatter in our mind is here to stay... But is there a better way to understand the worrying mind? Can we gain a more direct access to the mind by looking into the mechanisms of worry, thereby opening a window into a new way of thinking and being?

Neuroplasticity and the Worrying Mind

The human brain is incredibly plastic — it has a great ability to adapt and change. Neuroplasticity is the brain’s ability to constantly create new neural connections through learning and life experiences. While some neural connections become weaker. What does this mean for our tendency to worry? It means that if we start worrying, and if we worry more each day, we will experience innumerable worrying thoughts: How will I take care of my family? Will I do well at my job today? What if something comes up that I am not able handle?, etc. According to the latest Mental Health Research Canada poll, Canadians are experiencing unprecedented mental distress due to the pandemic, with common mental disorders reaching the highest levels ever. Young adults, women, and ethnic minorities have been disproportionately affected with anxiety and depression, while suicidal ideation among young people has reached a catastrophic rate of 20%.

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produce more flexible but also more rigid behaviours… Ironically, some of our most stubborn habits and disorders are the products of our plasticity. Once a particular change occurs in the brain and becomes well established, it can prevent other changes from occurring. It is by understanding both the positive and negative effects of plasticity that we can truly understand the extent of human possibilities.

Becoming increasingly aware of the quality of our thoughts, and emotions produced by thoughts, is therefore extremely important. Once we are aware of thoughts, we can create a bit of a distance and start to observe and examine them from various angles. Is the thought true? Is it helpful in producing more flexible but also more rigid behaviours…? When we understand neuroplasticity, we realize that the worrying mind is actually following a perfectly natural process. It’s not that there is something wrong with you if you are caught in the loop of worrying thoughts—your brain is doing exactly what it is supposed to do! If you are 40 years old and have been wiring your brain for worry for the past 20 years, those neural connections will be so strong and well-established that it will feel excruciating, and nearly impossible to stop. When people become aware of their worrying thoughts, they often become impatient with how quickly they revert back, even though they have taken a more active role as an observer of thoughts. The key here is patience and understanding that rewiring the brain really takes time. In fact, this process will likely be the most difficult thing you will ever do, but also the most rewarding and freeing, as there is no greater freedom than becoming the master of your mind.

The Most Difficult Thing You’ll Ever Do

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On the positive side, once the brain becomes more familiar with new, more positive, constructive, and helpful thoughts, these will become more accessible as new neural connections become strengthened. In my workshop on building mental resilience, I often see incredible shifts in people’s patterns of thinking even after a couple of weeks, as they start using the adaptive ability of the mind to experience new thoughts, emotions, and behaviours. One workshop participant reflected:

I had never thought of myself as an anxious person, but I believe that 2020 has brought that out in me. I have been doing some reflection on this and realized that I have been wiring my system for worry for quite a while. I now understand that I have to mentally stop overthinking things, that I cannot control everything, and accept the situation to propel myself towards a positive outcome.

Creating Positive Outcomes

While understanding neuroplasticity and observing our thoughts can be highly beneficial to reducing the chatter in the mind, there is another step in the process towards creating more positive outcomes. This step involves finding a new focus of attention, something that can replace the worry and fear that we were used to experiencing for such a long time in the past. Creating better outcomes involves more than ‘just thinking positive.’ It includes becoming more present and aware of the here and now. Shifting our attention to the present moment, to our sensations and breath, can provide the gateway into new experiences and opportunities, thereby creating new neural connections in the brain.

One of the best tools for creating positive outcomes is our imagination. Imagining ourselves as resilient, resourceful, joyful, and excited about life can help rewire the brain and set us up for a growth-oriented way of thinking and being. Visualizing positive outcomes can create the blueprint in the mind for making our dreams into reality. Believing that we can learn from setbacks and develop our abilities can create an upward spiral that we need in order to overcome the grip of worry and fear. In the process of healing, the first and most important step is deciding to be better. As another workshop participant stated:

I attended your workshop last year at the request of a friend (after being let go from my job and being in a really depressed state) and the benefits were great. Since, I’ve been reading a lot of stories on reddit and watching a lot of Youtube videos, commenting and relating with many young people my age on a variety of topics like growing up, self-help, self-reflection, spirituality and meditation… Basically I decided to be better.

While it can seem impossible to overcome our tendency to worry, and the process of re-wiring thoughts can feel excruciating, once we start, the mind is on our side.

—

Milena Braticevic’s work, visit: nondualperspectives.com

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