

A Call to Action: The Urgent Need for Trans Inclusive Measures in Mental Health Research

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Alex Abramovich, MA, PhD^{1,2} and Kristin Cleverley, RN, PhD, CPMHN(C)^{3,4} 

Keywords

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Trans Communities and Health

Transgender (trans) is a term used to describe people whose gender identity does not match the sex assigned to them at birth.¹ *Gender expansive* refers to a wide range of gender identities and expressions that expand and broaden definitions of gender-normative identities and are neither “male” nor “female,” including nonbinary, genderqueer, and gender fluid.² Population studies yielding prevalence data for transgender (trans) people have estimated that 0.5% to 1.3% of adults identify as trans and that there are approximately 25 million trans people worldwide.³ However, decades of poor data collection and a lack of understanding and acknowledgment of the wide range of gender identities that exist along the gender spectrum have resulted in underestimates of the size of the trans population. Trans and gender expansive people frequently face discrimination, stigma, violence, and barriers accessing housing, employment, and education.³ Trans and gender expansive people also experience major challenges accessing trans competent and affirming physical and mental health services, leading to a high prevalence of adverse health outcomes.³⁻⁵

The Trans PULSE study⁶ investigated the health and well-being of trans people living in Ontario through surveys administered to 433 trans participants over the age of 16. Numerous significant and alarming findings were reported, including that 77% of trans people had seriously considered suicide and 43% had attempted suicide at some point in their lives and that 21% of trans people reported avoiding the emergency department when they needed it because of previous stigma and discrimination associated with their gender identity.^{7,8}

The Canadian Transgender Youth Health Survey⁹ investigated the health of trans and gender expansive youth between 14 and 25 years across Canada. Nine hundred surveys were completed by young people in all provinces and territories except Nunavut and the Yukon. Key findings included that

only 15% of youth with a family physician felt comfortable discussing their trans related health needs, 1 in 3 young people reported not having an adult in their family with whom they could talk about problems, 7 in 10 young people that felt their family did not understand them, and young people living in their felt gender all of the time were 50% more likely to report good or excellent mental health. Stigma associated with gender identity can be further intensified when individuals experience the intersection of trans identities and marginalizing conditions such as preexisting mental illness.¹⁰

Trans Communities and Research

Although it is known that trans and gender expansive individuals experience negative health outcomes, including a high prevalence of mental health difficulties, suicide, depression, anxiety, and substance use, as well as HIV and other sexually transmitted infections,^{3,11} trans health continues to be an understudied issue, and trans and gender expansive identities are rarely included in health research, surveys, intake forms, and point-in-time counts. Furthermore, very few studies have addressed the issue of validity and reliability in screening and assessment tools for use with trans and gender expansive individuals in physical and mental

¹ Institute for Mental Health Policy Research, Centre for Addiction and Mental Health, Toronto, Ontario

² Dalla Lana School of Public Health, University of Toronto, Toronto, Ontario

³ Lawrence S. Bloomberg Faculty of Nursing and Faculty of Medicine, Department of Psychiatry, University of Toronto, Toronto, Ontario

⁴ Centre for Addiction and Mental Health, Toronto, Ontario

Corresponding Author:

Kristin Cleverley, RN, PhD, CPMHN(C), 155 College Street, Suite 130, Toronto, ON M5T 1P8, Canada.

Email: k.cleverley@utoronto.ca

health settings.¹² While numerous screening tools are available, minimal information is available about the reliability and validity of these instruments with trans and gender expansive individuals.¹² Most surveys and instruments commonly confound sex and gender by asking survey respondents to check off either male or female for “gender.” For example, a commonly used measure for assessing mental health and functioning, the Achenbach System of Empirically Based Assessments,¹³ includes the following forms: Adult Self-Report (ages 18+), Youth Self Report (ages 11-18), and Child Behaviour Checklist (ages 4-18). All of these forms ask participants to categorize their “gender” as either boy/male or girl/female; the instruments use cisnormative methods for scoring and do not permit any edits to the data collection forms to allow for more accurate and gender inclusive wording. Cisnormative is the assumption that all, or almost all, individuals are cisgender, unless otherwise specified. Cisgender refers to individuals whose gender identity matches with their sex assigned at birth. For example, a cisgender woman is someone who was assigned female at birth who goes through life identifying as a woman. Sex and gender are not the same; the sex a person is assigned at birth is not always congruent with the person’s lived gender identity. For example, a person assigned the female sex at birth may never identify as a woman but may rather go through life identifying as a man or as gender nonbinary.

Numerous studies have continuously placed trans people under the label *sexual minority*. While gender and sexual identity overlap, they are also not the same. Gender identity refers to how an individual identifies their gender (male, female, genderqueer, gender fluid, transgender, etc.) and sexual identity refers to how an individual identifies whom they are sexually and romantically attracted to (lesbian, gay, bisexual, heterosexual, etc.).¹⁴ When surveys do not consider and acknowledge that people identify in more ways than “male” and “female,” these forms perpetuate data erasure toward trans and gender expansive individuals and make it extremely difficult to collect data that accurately reflect the population. If trans people are not included in the study of broader social and political issues, they will be excluded from consideration in the development of health policy, policy instruments, and programming. The perception that trans people are rare reinforces erasure of the trans population,¹⁵ further exacerbating the increased risk of mental health issues, including suicidality, anxiety, and depression in trans individuals.

Drawing on the knowledge that gender and sexual identity-based stigma and discrimination negatively affect the mental health of lesbian, gay, bisexual, transgender, queer, questioning, and 2-spirit (LGBTQ2S) individuals, leading to high rates of mental health issues including depression, anxiety, and suicide,¹⁶⁻¹⁹ the Mental Health Strategy for Canada²⁰ has identified the need to prioritize and address the mental health needs of LGBTQ2S individuals. The strategy specifically recommends increased

LGBTQ2S competency training for organizations and for professionals and the public to increase their level of understanding of the mental health needs of LGBTQ2S individuals. However, these mental health needs cannot be fully understood or addressed without research that captures and accurately represents trans and gender expansive individuals.

The following two recent clinical research experiences will help us illustrate our point. First, while preparing to conduct an evaluation of Canada’s first specialized transitional housing program for LGBTQ2S youth, we wanted to include an alcohol screener to help identify hazardous drinking in a set of surveys that each youth was being asked to complete during two separate intake and exit interviews. The Alcohol Use Disorders Identification Test (AUDIT-C)²¹ was recommended as a reliable and valid screener. However, the interpretation of scores relies on classifying respondents as “women” or “men”; thus, the AUDIT-C could not be included, because categorizing participants in this manner forces people to conform to the gender binary and erases all identities that do not fit into those two categories. Second, while reviewing demographic data collected via a feasibility study for the Longitudinal Youth in Transition Study (LYITS),²² we noted that approximately 20% of the participants did not identify as male or female, many youth were unhappy with the options for identifying their gender, and we had inadvertently excluded certain gender identities. We also realized that some measures included a “gender” question with male and female options only (i.e., the Youth Self Report from the Achenbach system) and used cisnormative methods for scoring the data. Both of these recent experiences resulted in a great deal of discussion about how we are currently capturing gender and sex in mental health and psychiatric research and the effect that current clinical research practices may be having on our results and subsequent clinical and policy decisions.

This led us to a call to action for trans inclusive measures and practices in mental health and psychiatric research. To facilitate access to resources that would support clinicians and researchers in becoming more trans inclusive, we provide a short summary of key documents in the literature that may be used by mental health clinicians and researchers who want to prioritize more gender-affirming practices. This is not a comprehensive literature review; rather, our goal is simply to provide a starting point for our colleagues when discussing how to make their studies, instruments, and vocabulary more trans inclusive, affirming, and competent.

Guidelines and Documents to Support Clinicians and Researchers in Becoming More Trans Inclusive and Competent

We searched the academic and grey literature using the CINAHL (EBSCO) database and Google Advanced Search

Table 1. Evidence Table of Resources for Trans Affirmative Practice in Mental Health, Healthcare, and Research Settings.

Clinical Resources for Mental Health Settings	
Resource	Description
American Psychological Association. Guidelines for psychological practice with transgender and gender nonconforming people. <i>Am Psychol.</i> 2015;70(9):832-864. ²³	This document provides guidelines for psychologists to administer affirmative care to trans and gender expansive individuals. The document covers key areas such as foundational knowledge about trans and gender expansive individuals and the barriers to care they face, developmentally appropriate care, approaches to assessment and therapy, and trans affirmative research, education, and training.
Barbara AM, Chaim G, Doctor F, et al. Asking the right questions, 2: talking about sexual orientation and gender identity in mental health, counselling, and addiction settings. Toronto (ON): Centre for Addiction and Mental Health; 2004. ¹⁶	This manual is targeted toward counselors working in mental health and addiction settings. It is a tool to help service providers become more competent in working with and meeting the needs of LGBTTTIQ (lesbian, gay, bisexual, transgender, transsexual, two-spirit, intersex, and queer) clients and includes specific interview and assessment questions to consider for LGBTTTIQ clients.
Veltman A, Chaimowitz G. Mental health care for people who identify as lesbian, gay, bisexual, transgender, and (or) queer. <i>Can J Psychiatry.</i> 2014;59(11):1-7. ²⁴	This position paper addresses the need for psychiatrists to increase their understanding of the mental health needs of LGBTQ individuals and offers recommendations for creating trans affirmative practices.
Clinical Resources for Healthcare Settings	
Resource	Description
Center of Excellence for Transgender Health. Guidelines for the primary and gender-affirming care of transgender and gender nonbinary people. San Francisco (CA): University of California San Francisco; 2016. ²⁵	This document equips primary healthcare providers with evidence-based tools and information to provide affirmative care to trans and gender expansive individuals. Topics include creating a safe and welcoming clinic environment, trans inclusive approaches to physical examination, gender affirming treatments and procedures, and special considerations for chronic diseases, infectious diseases, mental health, and fertility options.
Trans Health Connection. Toronto (ON): Rainbow Health Ontario; 2017 [cited 14 Aug 2017]. https://www.rainbowhealthontario.ca/trans-health-connection/ . ²⁶	Trans Health Connection provides resources as well as opportunities for education, training, and mentorship to increase primary care providers' capacity to care for trans and gender expansive clients.
LGBT Health Program. Guidelines and protocols for hormone therapy and primary health care for trans clients. Toronto (ON): Sherbourne Health Centre; 2015. ²⁷	This document provides guidance to help clinicians meet the needs of trans and gender expansive patients. It specifies contraindications, precautions, and risks frequently associated with hormone administration and monitoring strategies as well as references and resources for further learning and support.
World Professional Association for Transgender Health. Standards of care for the health of transsexual, transgender, and gender-nonconforming people. World Professional Association for Transgender Health [cited 12 June 2018]. https://www.wpath.org/publications/soc. ²⁸	This document articulates best practices and clinical guidelines for healthcare providers working with trans and gender expansive individuals, based on the best available scientific evidence. It focuses on gender-affirming interventions such as treating gender dysphoria, initiating hormone therapy, voice and communication therapy, and surgery.
Trans Care BC. Gender-affirming care for trans, two-spirit, and gender diverse patients in BC: a primary care toolkit. Vancouver (BC): Provincial Health Services Authority; 2017. ²⁹	This toolkit provides foundational information about gender-affirming care and is targeted toward primary care providers who may be new to working with trans and gender expansive individuals. It offers tools to help providers assess readiness and make referrals for interventions such as hormone therapy and gender affirming surgery.
Santé Trans Health. Taking charge: a handbook for health care and social service providers working with trans people. Montreal (QC): Santé Trans Health; 2011. ³⁰	This guide is targeted toward a wide range of providers in health and social services. It is written from a harm reduction perspective: addressing the social determinants of health and detailing systemic barriers that trans and gender expansive individuals face in their daily lives. Some information is specific to the province of Quebec.
Health Care Providers-Trans Health Clinic. Winnipeg (MB): Klinik Community Health [cited 14 Feb 2018]. http://klinik.mb.ca/health-care/transgender-health-klinik/health-care-providers/ . ³¹	This website offers concise, essential information for primary healthcare providers on fundamentals of gender-affirming care for trans and gender expansive individuals as well as templates of consent forms and advocacy letters on behalf of these clients.

(continued)

Table 1. (continued)

Clinical Resources for Healthcare Settings	
Resource	Description
Canadian Professional Association for Transgender Health. Victoria (BC): Canadian Professional Association for Transgender Health (CPATH) [cited 14 Feb 2018]. http://www.cpath.ca . ³²	CPATH is a network of Canadian healthcare providers who support gender-affirming care through education and training, research, networking, and political advocacy. All healthcare professions are welcome to join.
National LGBT Health Education Center. Affirmative care for trans and gender non-conforming people: best practices for front-line health care staff. Boston (MA): National LGBT Health Education Center; 2016. ³³	This handbook compiles best practices for healthcare organizations to create and maintain a positive environment for trans and gender expansive clients, from interactions with reception staff to supportive organizational policies.
Resources for Research	
Resource	Description
The GenIUSS Group. Best practices for asking questions to identify transgender and other gender minority respondents on population-based surveys. Los Angeles (CA): University of California Los Angeles; 2014. ³⁴	This resource offers recommendations on how to incorporate trans inclusive measures of sex and gender into surveys as well as special considerations when collecting information from youth.
Bauer GR, Braimoh J, Scheim AI, et al. Transgender-inclusive measures of sex/gender for population surveys: mixed-methods evaluation and recommendations. <i>PLoS One</i> . 2017;12(5):e0178043. ³⁵	This study evaluates two existing survey measures of sex and gender with a wide range of Canadian participants. After identifying challenges and drawbacks with each measure, the authors suggest a third, modified sex and gender measure for further testing in a Canadian context.
Frohard-Dourlent H, Dobson S, Clark BA, et al. "I would have preferred more options": accounting for non-binary youth in health research. <i>Nurs Inq</i> . 2017;24(1):e12150. ³⁶	This article explores challenges that arise when attempting to transform the research process to incorporate nonbinary genders as well as opportunities for change.
Johnson JL, Greaves L, Repta R. Better science with sex and gender: a primer for health research. Vancouver (BC): Women's Health Research Network; 2007. ³⁷	This document guides researchers on the process for integrating a sex- and gender-based analysis into health research.
Dickey LM, Hendricks ML, Bockting WO. Innovations in research with transgender and gender nonconforming people and their communities. <i>Psychol Sex Orientat Gend Divers</i> . 2016;3(2):187-194. ³⁸	This paper discusses issues with participant recruitment, data collection, research ethics boards, and knowledge dissemination in research with transgender and gender expansive people. The authors suggest that research surveys should assess gender identity separately from sex assigned at birth, by completing a two-step method of assessing sex assigned at birth and current gender identity.
Keo-Meier CL, Fitzgerald KM. Affirmative psychological testing and neurocognitive assessment with transgender adults. <i>Psychiatr Clin North Am</i> . 2017;40(1):51-64. ¹²	The authors point out the lack of best practices or validated tools for assessment and psychological testing on trans individuals. They offer guidelines on how clinicians can engage in affirmative assessment to ensure accurate and ethical interpretation of test data of trans clients.
Shelton J, Wagaman MA, Small L, et al. I'm more driven now: RESILIENCE and resistance among transgender and gender expansive youth and young adults experiencing homelessness [published online 22 Sept 2017]. <i>Int J Transgend</i> . https://doi.org/10.1080/15532739.2017.1374226 . ³⁹	This study examines resilience among transgender and gender expansive youth and young adults who are experiencing homelessness and discusses approaching research using a strengths-based framework.

using the keywords related to research measurement (e.g., assessment, norms, tool, validity, survey, etc.), gender identity (e.g., transgender, nonbinary, two-spirit, genderqueer, etc.), and area of practice (e.g., mental health, research, clinical) for articles over the past 15 years that offered guidelines, best practices, and concrete suggestions on trans inclusion in research and clinical practice. The citations of retrieved documents were also searched to further identify relevant resources. Experts in the field were then consulted to add any important resources that were missed in the search

and finalize the list. Several clinical resources for healthcare settings were screened out because they highlighted programs that were limited to one province, and we wanted to ensure wider geographical representation from across Canada. The resources are organized into an evidence table (Table 1) with 3 sections: resources for mental health settings, for healthcare settings, and for research. The clinical resources for mental health settings outline essential knowledge and recommendations for trans inclusive best practices in assessment and mental health interventions. Resources for

healthcare settings outline best practices for healthcare practitioners working with trans and gender expansive individuals. Resources for research offer suggestions for gender-inclusive research design, participant recruitment, data collection, and data analysis.

We can no longer ignore gender identity in research, assessment tools, surveys, and intake interviews because trans and gender expansive people exist everywhere and are part of every population, regardless of whether your study or practice is LGBTQ2S specific. We call for a united effort to include trans and gender expansive individuals in research, surveys, questionnaires, and assessment tools. As clinicians, researchers, and community members, we have an ethical responsibility to ensure that all individuals are counted, regardless of their gender identity or expression.

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ORCID iD

Kristin Cleverley, RN, PhD, CPMHN(C)  <http://orcid.org/0000-0002-2822-2129>

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