Culturally Sensitive Chiropractic Care of the Transgender Community: A Narrative Review of the Literature

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ABSTRACT

Objectives: Transgender individuals commonly experience barriers to quality health care and may suffer from unique musculoskeletal complaints. Although these needs are often inadequately addressed within the health care system, they could be attended to by the chiropractic community. This narrative review describes best practices for delivering culturally sensitive care to transgender patients within the context of chiropractic offices.

Methods: A literature search generated peer-reviewed material on culturally competent care of the transgender community. Google Scholar and trans-health RSS feeds on social media were also searched to find relevant gray literature. Information pertinent to a chiropractic practice was identified and summarized.

Results: Contemporary definitions of transgender, gender identity, and sexual orientation provide a framework for culturally sensitive language and clinic culture. Small changes in record keeping and office procedures can contribute to a more inclusive environment for transgender patients and improve a chiropractor’s ability to collect important health history information. Special considerations during a musculoskeletal examination may be necessary to properly account for medical and nonmedical practices transgender patients may use to express their gender. Chiropractors should be aware of health care and social and advocacy resources for transgender individuals and recommend them to patients who may need additional support.

Conclusions: Small yet intentional modifications within the health care encounter can enable chiropractors to improve the health and well-being of transgender individuals and communities. (J Chiropr Humanit 2017;24:24-30)

Key Indexing Terms: Chiropractic; Transgender Persons; Cultural Competency; Quality of Health Care

INTRODUCTION

In 2016, the American Public Health Association adopted a policy advocating “the adoption and application of inclusive policies and practices that recognize and address the needs of people and communities identifying as transgender or gender nonconforming.” Also in 2016, the National Institute of Health formally recognized sexual and gender minorities as a health disparity population, citing evidence of discrimination and decreased access to health care. These barriers contribute to poorer health outcomes among transgender individuals, including a greater risk of contracting HIV and other sexually transmitted infections and of suicide, mental health disorders, body image and eating disorders, substance abuse, and violence. According to the 2015 U.S. Transgender Survey, 31% of respondents reported that none of their health care providers knew they were transgender. One in 3 reported at least 1 negative health care experience in the previous year related to being transgender. Negative experiences included verbal harassment, refusal of treatment, unnecessary or invasive questions, and the need to educate the provider about what it means to be transgender before receiving appropriate care. Transgressions such as these can interfere with the provision of health services and undermine the general health of a transgender person. Best practice standards of care for the transgender community are lacking; this problem is exacerbated by a dearth of research specific to this population.

As is the case with many health care professional groups, the chiropractic profession has been criticized for the lack of diversity in both providers and patients served. Many chiropractors may have limited interaction with transgender individuals or communities or are not aware they interact with those who identify as transgender. This inexperience may lead to uncertainty in both
communication skills and considerations for clinical care that may be unique to a transgender individual. Even well-meaning health care practitioners can be misinterpreted and may lead a transgender individual to feel unwelcome or unable to fully confide in that health care provider. Health care providers have an ethical obligation to understand how to effectively deliver culturally sensitive care for transgender patients. To date, no guidelines have been published to assist chiropractors in this area, nor have educational competencies on this topic been standardized among the chiropractic colleges. The purpose of this narrative review is to describe best practices for delivering culturally sensitive care of transgender patients within the context of chiropractic offices.

METHODS

To identify existing best practices, a search was conducted in PubMed, Expanded Academic ASAP, and the Index to Chiropractic Literature to identify peer-reviewed articles related to culturally competent care of the transgender community. A search for articles written in English, with no publication date limitations, was conducted by the authors with the assistance of information specialists from the Greenawalt Library at Northwestern Health Sciences University. Key search terms were taken from known sources on the topic and included “cultural competency,” “history,” “best practices,” “transgender,” “gender,” “gender identity,” “gender identification,” and “transgender health care.” MeSH terms were derived from a PubMed MeSH search and the MeSH sections on discovered relevant articles. Boolean operators “AND” and “OR” were used to connect terms and encompass alternative phrasing for transgender persons. In addition to electronic databases, relevant gray literature was identified through Google Scholar searches and trans-health RSS feeds on social media.

Narrative reviews, best practice guidelines, professional white papers, and reports surfaced in the database searches. Position statements, recommendations, and resource information were additionally identified in the gray literature. Materials that provided recommendations for improving the care experience of transgender individuals were considered for inclusion. Information considered by the authors to be salient to conditions managed within a chiropractic office and that could influence the provision of care was also reviewed. Recommendations for treatment outside the scope of chiropractic practice were excluded from this paper.

DISCUSSION

To effectively care for the transgender population, health care providers must understand the distinction between and definitions of gender identity and sexual orientation. A lack of understanding of these concepts is a common pitfall that can lead a patient to feel misunderstood or discriminated against. The Human Rights Campaign defines gender identity as “one’s innermost concept of self as male, female, a blend of both or neither—how individuals perceive themselves and what they call themselves.” This differs from sexual orientation, which is defined as “enduring emotional, romantic or sexual attraction to other people.” Gender identity and sexual orientation are 2 distinct and separate constructs; providers should be cautious to avoid assumptions that one’s gender identity influences one’s sexual orientation, and vice versa.

Transgender, then, is a gender identity term. It is used to describe individuals whose own gender identity is different from that which they were assigned at birth. This movement away from assigned gender may stem from a feeling of being part of a different gender group or the desire to move away from conventional expectations placed on gender by society. Although the current US Census does not collect data on gender identity, recent estimates of the transgender population in the US suggest 390 of every 100,000 adults identify as transgender.

In the fifth edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM-5) the diagnostic term gender identity disorder has been replaced with gender dysphoria. Gender dysphoria relates to the distress caused by a person’s assigned birth gender differing from the one with which they identify. Gender dysphoria is not considered a mental disorder and should not be treated as such. This is an important distinction from previous editions of DSM, aimed at helping avoid stigma and ensuring access to care. Gender dysphoria can be experienced at many different stages of being aware of individual gender variance. This may range from the recognition that one’s gender is different from that assigned at birth to an individual living full time in a manner consistent with their gender identity, possibly having undergone hormone and/or surgical treatment. These criteria are an application of American psychological health and diagnostic standards. Differing standards might apply in other countries where recognition of the transgender phenomenon could be viewed, treated, or pathologized differently.

Microaggression is a term first suggested in 1970 to describe the cumulative and summative negative effect of both overt and subtle degradations, whether intentional or unintentional, on an individual’s well-being. The concept was originally applied to the well-being of the African-American community and has since become more broadly attributed to the effect of these actions on additional marginalized groups, including sexual minorities. In a 2016 American Psychological Association article, Spengler et al wrote, “The stigma and prejudice [marginalized groups] regularly encounter is hypothesized to lead to their significantly increased risk for developing mental health disorders.” The collective literature on microaggressions and health care supports this theory, pointing broadly toward unfavorable health outcomes, including greater risk.
of depression and suicide ideation among patients, diminished treatment effectiveness, and decreased utilization. Provider misuse of gender pronouns and preferred name and lack of clinical capacity to provide inclusive care should be considered microaggressions. Out of respect for all individuals and in an effort to maximize the effectiveness of care, health care providers should be conscious of what constitutes a microaggression and actively manage the clinical environment to minimize their occurrence.

**Recommendations**

**Clinic Culture.** Culturally competent care that adequately meets the social and cultural needs of transgender patients should be reflected in all aspects of a clinical encounter and engage both providers and staff. Ideally, a clinic has practice habits in place to facilitate the delivery of culturally sensitive care in a universal and systematic manner. These range from structural (eg, gender neutral restrooms) and systemic (eg, patient confidentiality protocols) considerations to intrapersonal (eg, evaluating your belief systems) and interpersonal (eg, trusting patient-provider relationships) behaviors. A list of clinical considerations are highlighted next, with suggestions for improvements specific to serving transgender patients within a chiropractic office.

**Written and Verbal Communication.** The words we choose as health care providers should be considered carefully to avoid discrimination and to create a culture of inclusivity, understanding, and confidence. Figure 1 includes a list of terminology that may facilitate understanding of and communication about gender variance. It is important to note that the language used within the transgender community continues to evolve in ways that contemporarily reflect identity and a range of experiences of transgender individuals. One example is use of the term *gender affirmation* to replace *gender reassignment*. The former conveys a more positive connotation of treatment that is aimed at supporting the individual’s true identity. Another example is the reclamation of the once pejorative label *queer*, which is currently used as a neutral identifier of sexuality and gender. Although evolving language within the transgender community can feel difficult to keep pace with, allowing individuals to self-identify and direct the terms used in their care can create a culturally sensitive lexicon customized to individual patient needs.

Self-identification, including preferred name and preferred pronoun, should be directed by patients to ensure their agency in the health care encounter. Registration or intake forms can include fields for patients to disclose this information alongside their legal name, date of birth, and other initial demographic information. It is important that all staff take note of preferred name and pronoun and use them to address patients in this manner throughout the clinical encounter. It is increasingly common for individuals who have a nonbinary gender identity to use they or them as their pronoun. Note that transgender patients’ insurance paperwork or medical records from other offices may not reflect the name or gender with which your patient currently identifies and thus require additional communication.

| Gender | For the purpose of record keeping, gender refers to the manner in which an individual identifies with their personal model of masculine or feminine personal identifiers or their rejection of the masculine/feminine identity binary. |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Female | Any person identified as female including transwomen and cisgender women                                                                                                                                 |
| Male   | Any person identified as male including transmen and cisgender men                                                                                                                                 |
| Transgender male/trans woman/male-to-female (FTM) | Any transgender person whose self-identity is man/maie                                                                                                                                                       |
| Transgender female/trans woman/male-to-female (MTF) | Any transgender person whose self-identity is woman/female                                                                                                                                                   |
| Genderqueer/queer | Gender non-conforming person                                                                                                                                                                                                 |
| Cisgender | Gender identity is congruent with sex assigned at birth, and these persons might not identify as transgender rather as male or female                                                                 |
| Transgender | Gender identity is not congruent with sex assigned at birth, and these terms might not identify as transgender rather as male or female                                                                 |
| Sex    | The general way infants are separated based on appearance of external genitalia                                                                                                                                  |
| Female | Noted on birth certificate and/or person with XX chromosomes, or the appearance of female genitalia at birth                                                                                                  |
| Male   | Noted on birth certificate and/or person with XY chromosomes or the appearance of male genitalia at birth                                                                                                     |
| Intersex | Not noted on birth certificate and/or person born with a variety of chromosomal anomalies or anatomical anomalies known as disorders of sexual development                                                          |
| Sexual Orientation | A lasting attraction of emotional, romantic, or sexual nature(s) or lack of these attractions                                                                                                                                 |
| Gay/Lesbian | Person whose sexual partners are of the same gender. This can include men who have sex with transgender men and women who have sex with transgender women in addition to men who have sex with men and women who have sex with women |
| Bisexual | Person who has sex with men, women, transwomen, and/or transmen                                                                                                                                              |
| Asexual | Person not attracted to sexual expression                                                                                                                                                                   |
| Pansexual | Person attracted to individuals of all gender expressions and sexes                                                                                                                                           |
| Queer  | Antithetical identifier that does not describe the sex or gender of partner(s) or self                                                                                                                                 |

**Fig 1.** Adapted Glossary of Recordkeeping Terms.
**Record Keeping.** Meaningful Use certified electronic health record software is required to include sexual orientation and gender identity data fields. Patient questions and responses have been standardized under the advisement of the Fenway Institute and the Institute of Medicine and are provided in Figure 2. In a study by Cahill et al., conducted across 4 clinic settings, intake questionnaires addressing gender identity, sex, and sexual orientation were found to be acceptable by both heterosexual and lesbian, gay, bisexual, and transgender patients. Furthermore, respondents expressed support for implementation of these questions and acknowledged their importance from a clinical perspective. Providers may want to consider using the questions and response categories in Figure 2 to improve the accuracy of patient records on sexual orientation and gender identity.

**History.** Although the chiropractic health care needs of transgender individuals may be characterized as similar to other patients seen in practice, clinicians should additionally consider risk factors and concerns unique to the transgender community. Comprehensive patient exams require differential diagnoses based on the specific anatomy of the individual, bearing in mind that persons may have a combination of sex characteristics and organs. For example, discussion of preventative cancer screening should be related to organs and hormone-influenced tissues the transgender patient has at the time of evaluation.

Transgender patients may be particularly sensitive to questions regarding lifestyle and sexuality because of past discrimination. It is important to avoid stereotypes regarding sexual orientation, relationship status, or pregnancy status based on gender expression alone. Open-ended questions such as, “Are you currently involved in a sexual relationship?” “How would you describe your sexual activity?” or “Do you have any sexual concerns that you would like to discuss?” can be used to assess sexual activity. Counseling should focus on health promotion and safety in a nonjudgmental manner. Similar to any patient, a transgender individual’s risk for sexually transmitted infection depends on known risk factors for all populations. These include unprotected sexual behavior, substance abuse in conjunction with sexual behavior, violence, and multiple sexual partners. As with any patient, it is important to affirm that personal moral, religious, or cultural belief systems should remain independent from the provision of health care to transgender individuals.

**Musculoskeletal Evaluation.** Special considerations may be required to adequately and accurately conduct a musculoskeletal health assessment in transgender patients. Transgender individuals commonly incorporate nonmedical practices to express their gender. These may include padding or use of prostheses, penile tucking, or postural changes to conceal stature or secondary sex characteristics. For example, a female-to-male (FTM) person may use posture to attempt to minimize the appearance of breasts. Postural analyses may subsequently reveal upper-crossed syndrome, including rounded shoulders, anterior head carriage, weakened posterior, and shortened anterior neck and thoracic muscles.

Binders and other compression garments are often used to compress and conceal breast tissue. According to 1 survey of 1800 transgender individuals assigned female sex at birth, 52% reported daily binding, with 97% of those reporting at least 1 negative side effect of the practice. Symptoms most commonly included chest, shoulder, and back pain; lightheadedness or dizziness; shortness of breath; and dermatological issues (eg, itch, rash, or acne). Chiropractors should inquire about binding practices in transmasculine patients. Empirical evidence suggests that taking regular days off from binding could potentially reduce negative health effects. It is important to note that, although binding is associated with side effects, it is also associated with improved emotional well-being and less anxiety and dysphoria-related depression. Physical harm should be weighed against patient preferences and the positive psychological benefit of a binding practice to devise a suitable treatment plan.

Hormone therapy is common among transitioning transgender patients. Examples include estrogen and antiandrogen therapy for male-to-female (MTF) patients and testosterone therapy for FTM patients. Other individuals, including gender nonconforming, nonbinary, and genderqueer persons, may be prescribed hormone therapy. For the purpose of illustrating cross-sex physiological implications, references to persons whose transition is binary in nature are meant to include those who do not share this identity. Hormone therapy can present a range of possible side effects, including some that
affect the musculoskeletal system. Cross-sex hormone therapy has been reported to increase body weight in both sexes, with a gain in body fat and decrease in lean body mass among MTF individuals and the opposite effects among FTM individuals.\textsuperscript{28} This may influence not only body habitus but also risk of cardiovascular disease. Epidemiologic research suggests that long-term hormone use may result in an increased risk of osteoporosis among MTF persons.\textsuperscript{29} Bone density screening has been recommended on FTM patients beginning at age 50 if taking testosterone for more than 10 years and at age 60 if on testosterone for a shorter duration. Bone density screening is not recommended for MTF patients on hormone therapy.\textsuperscript{30} There are conflicting reports on potential risk of tendon rupture; FTM patients who use testosterone and are beginning exercise or weight training programs may be well advised to increase activity gradually. Anecdotal evidence suggests the occurrence of hormone injection site granulomas or calcifications, which occur when a substance is inadvertently injected into fat and not muscle. These may be palpated in a soft tissue exam or detected radiographically. If symptomatic, injection granulomas are typically treated with injected corticosteroids or excised.

**Resources and Advocacy**

It is important for providers to recognize their limitations in terms of providing care for individuals who may need additional support or social services. A wide range of tools and resources are available from nonprofit organizations to help support your care of transgender patients. Figure 3 provides information for national resources. Providers are well advised to also maintain a list of local providers across health care disciplines with welcoming and transgender-affirming practices.

Responsiveness to the unique perspectives and needs of transgender patients can facilitate trust and enhance the therapeutic encounter. Increased exposure to transgender communities and clinical cases (Fig. 4) may facilitate competency in the provision of care in this population. Further, refinement of clinical systems, processes, and skills should be considered an ongoing process.

**Resources for Transgender People in Crisis**

- The Trevor Project (http://www.thetrevorproject.org/)
- 24/7 Lifeline at 866-4-U-TREvor (866-488-7386) or Trevor Chat (http://www.thetrevorproject.org/chat) online messaging service
- The National Suicide Prevention Lifeline (http://www.suicidepreventionlifeline.org/)
- 24/7 Lifeline at 800-273-TALK (8255)
- Trans Lifeline (http://www.translifeline.org/) and 877-665-8860
- National Domestic Violence Hotline: 1-800-799-7233 (SAFE)

**Transgender Advocacy**

- National Center for Transgender Equality (NCTE) (http://www.transequality.org/)

**Locate Local Support Groups**

- Psychology Today support groups (https://groups.psychologytoday.com/)

**Resources for Inclusiveness**

- Human Rights Campaign transgender resources (http://www.hrc.org/explore/topic/transgender)
- GLAAD Transgender Media Program (http://www.glaad.org/transgender)

**Fig 3. Transgender Support Services.**

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Danny is a 25 year old who presents with chronic right shoulder pain. This bearded individual writes down FTM for gender on the intake form. The attending chiropractor is aware that some FTM individuals bind their breasts, a practice that influences musculoskeletal biomechanics of the upper body.

When the asked about breast binding behavior during the history, the patient discloses that he has been using compression garments to bind his breasts daily for the past several years. Musculoskeletal evaluation reveals substantial postural alterations consistent with upper cross syndrome, and a loss of the ability to retract his right scapula.

The provider discusses with Danny that part of the cause of the shoulder pain may be coming from the binding. The provider asks if he is willing to limit binding to weekdays and social outings and commit to at least 2 half days per week unbound. The patient says he will consider this change and is currently considering undergoing a mastectomy.

The chiropractor discusses a treatment plan for the shoulder concern, which includes passive stretching of the anterior cervical and thoracic muscles, a prescription for stretches and scapular retraction exercises at home, and spinal manipulation of the cervical and thoracic spine to increase mobility.

After 2 weeks of treatment, Danny reports that his shoulder pain has greatly improved. He states he appreciates that the chiropractor was sensitive and willing to openly discuss his needs as part of the treatment plan.

**Fig 4. Clinical Vignette.**
CONCLUSION

An increased awareness of transgender and gender-nonconforming individuals and communities can reduce barriers to care and engender an office environment that is welcoming to all individuals. Small yet intentional modifications to the clinical encounter can improve a chiropractor’s ability to meet the unique needs of a transgender patient, supporting both musculoskeletal health specifically and general well-being more broadly. Culturally sensitive adaptations apply to clinic culture, written and verbal communication, record keeping, history taking, musculoskeletal evaluation, and access to referral partners and agencies when necessary. As best practices for the care of transgender patients continue to evolve, so too should chiropractic practice, research, and education continue to strive toward culturally competent care.

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Practical Applications

- Soliciting and using patients’ preferred name and pronoun contributes to a culturally sensitive clinic environment.
- Sexual orientation and gender identity questions on patient intake forms should be designed to capture a range of responses.
- A comprehensive history of transgender patients includes assessment of known risk factors among transgender populations and differential diagnosis based on the specific anatomy of the individual.
- Musculoskeletal evaluation may include special considerations like hormone therapy, postural alterations to conceal secondary sex characteristics, and binding practices.

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