Trans-identity in Benin: Fact or Fiction? Social Response and Consequences

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Abstract  Transgender individuals are recognized globally as a key population that is at heightened risk than the general population for transmitting and contracting sexually transmitted infections (STIs) and human immunodeficiency virus (HIV). One of the social outcomes of the gender transition process is the adoption of risky behaviours as coping strategies. Examining the unique health-related needs of transgender individuals in Benin, this study describes the experience of being transgender, along with the social and community ramifications associated with this identity. The research team conducted a cross-sectional study in 2017. Study participants were recruited via respondent-driven sampling among networks across Benin. Inclusion criteria included self-identifying as transgender and being over 15 years of age. Data were collected via questionnaires regarding individuals’ management of the gender transition, reactions within their community and social spheres, and engagement in risky behaviours. A total of 326 transgender individuals were identified with a majority of participants being born biologically male (89.57%). The average age was 24.13±4.88, with a strong representation of students (36.50%). In 64.72% of cases, participants’ families were informed of their transgender identity. The overall attitude of families was of acceptance/support in 7 cases out of 10. Stigmatization and discrimination were reported by 50% of the subjects and 59.02% were subjected to at least one assault. Among these, half were unable to pursue legal action in response, with the main reason being a lack of knowledge of their options for legal recourse. Having multiple sexual partners was the most common risky behaviour among participants, occurring in 81.54% of the cases. Transgender individuals constitute a population with specific needs in Benin. The services and interventions dedicated to this population must integrate the prevention of STIs and HIV, along with providing legal, social and psychological support.

Keywords Transgender Persons, Social Stigma, Benin

1. Introduction

Transgender individuals are those whose gender expression (via their appearance, lifestyle, or other manifestations of their gender) differs from that of the sex they were assigned at birth. Transgender individuals may modify their assigned sexual identity in various ways, ranging from behavioral and clothing changes to gender reassignment surgery. These groups are recognized as having specific health needs, particularly around mental and emotional health, due to the stress associated with the gender and identity transition. The psychological toll that transgender individuals face during their transition is particularly high for those living in communities or contexts that are ill-prepared or unfamiliar with the identity changes and changes of thought that occur among transgender individuals [1-3]. In such settings, transgender individuals may be targets of discrimination and stigma, making them particularly vulnerable and at risk of adopting behaviors such as alcohol and substance use or risky sexual behavior [4, 5]. Transgender individuals are thus a key population at high risk of contraction and/or transmission of STIs and HIV [6, 7].
There is a lack of research in the literature on transgender populations in Africa, for a variety of reasons. This marks an important research gap that needs to be addressed, in order to identify effective intervention strategies that address the unique health needs of transgender populations and that reduce the potential for risky behaviours (including those that lead to increased risk of HIV and other diseases) [7-9]. Several authors agree on the importance of parental and family support, along with social and legal support, throughout the gender transition process for transgender individuals [10, 11]. Transgender populations present specific and unique health-related needs, and the transition process can have substantial psychological and emotional impacts on individuals [7, 12]. It is necessary to identify transgender populations and their unique needs, in order to reach these communities and to provide holistic interventions [13].

In Benin, as in most countries of the African sub-region, transgender people are hidden populations because they fear the social stigmatization that is associated with having a gender identity that does not align with expected sociocultural norms, particularly under legal, political, and media contexts that are less favorable to trans-identities. Although considered priority populations under the broader group of Lesbian, Gay, Bisexual, and Transgender (LGBT) by international actors in the fight against STIs and HIV, and despite the existence of health programs dedicated to LGBT groups, there is limited knowledge around the experience of the transgender population in Benin. In order to reduce this gap and to adapt existing programs to the unique needs of this target group, this work aims to study the transgender experience and the social and community response to trans identities in Benin.

2. Materials and Methods

2.1. Type Study and Study Population

This was a descriptive cross-sectional study that included individuals who identified and expressed themselves as transgender, were ages 15 years or over, resided in Benin at the time of the study, and provided consent to participate. Hermaphroditic and those who did not consent to participate in the study were excluded.

2.2. Study Design and Sampling

Subjects were recruited using respondent-driven sampling. The first persons were selected from facilitators belonging to identity associations. Based on the locations of transgender identity-based organizations, data collection sites were identified and served as priority study areas. After reaching out to various transgender organizations to seek input, seven (07) cities throughout the country were selected for data collection: Natitingou, Parakou, Bohicon, Ouidah, Porto-Novo, Abomey-Calavi and Cotonou. These cities are spread throughout the country and are fairly representative of the general urban population of Benin.

2.3. Data Collection: Technique, Tools and Variables

The data were collected via interview using a structured questionnaire. Four categories of variables were examined: i) sociodemographic variables: Age, sex at birth & gender identity (Male to Female-MtF or Female to Male-FtM), department of residence, educational level, marital status, religion, employment status; ii) variables relating to the gender transition experience: Age of first identified need for gender transition, Age of readiness for the gender transition, Personal feeling after coming out as trans (Positive / Negative), adaptation of visible changes in dress or physical appearance and/or in behavior (Yes / No), community awareness of transgender identity (Yes / No); iii) variables relating to social reactions: Overall attitude of the community in the face of the transition (Indifference / Acceptance or accompaniment / Rejection or exclusion), Type of living situation (Alone / Family / Partner / Others), Membership in an identity association (Yes / No), experience of physical and / or verbal aggression (Yes / No), Sought legal action as a result of aggression (Yes / No); Outcomes of action taken, reasons for not taking action; iv) Individual Reactions and Risk Behaviors: Personal Sense of Aggression, Abuse of Alcohol (Yes / No), Use of Tobacco or Drugs (Yes / No), Multi-Sexual Partnership (Yes / No).

2.4. Data Analysis

The collected data were captured with EPI DATA software, and were analyzed with the STATA 15 software. Descriptive statistics were calculated, including percentages for the qualitative variables as well as the mean and the standard deviation for the quantitative variables. Comparisons were made with the Student's t-test for mean comparison and the Pearson Chi² test (or the exact fischer test) for the comparison of proportions. Hypothesis tests were deemed significant at the 5% level.

2.5. Ethical Considerations

Study protocol was validated by the National Committee of Ethics for Health Research. Emphasis was placed on obtaining prior consent from parents and minors before conducting the interviews. The survey was anonymous and confidential, and participation in the study was strictly voluntary. Data from the interviews and survey have been stored securely, maintaining the confidentiality and anonymity of participants.
3. Results

3.1. Sociodemographic Characteristics

Table 1. Sociodemographic characteristics of transgenders individuals, Benin, 2017

| Variables                  | n   | %    |
|----------------------------|-----|------|
| Age (years)                | 326 |      |
| Under 20                   | 67  | 19.76|
| 20 to 30                   | 233 | 68.74|
| 30 and older               | 41  | 12.09|
| Sex at birth/Gender        | 339 |      |
| Male/Male to Female        | 305 | 89.97|
| Female/Female to male      | 34  | 10.03|
| Educational level          | 325 |      |
| No education               | 3   | 0.92 |
| Literate                   | 1   | 0.31 |
| Primary school             | 30  | 9.23 |
| Middle/High school         | 163 | 50.15|
| University                 | 121 | 37.23|
| Marital status             | 319 |      |
| Married                    | 37  | 11.60|
| Single                     | 272 | 85.27|
| Divorced/Separated         | 10  | 3.13 |
| Religion                   | 324 |      |
| Traditional religion       | 28  | 8.64 |
| Christian                  | 219 | 67.59|
| Muslim                     | 50  | 15.43|
| No religion                | 14  | 4.32 |
| Other                      | 13  | 4.01 |
| Nationality                | 325 |      |
| Beninese                   | 305 | 93.85%|

A total of 326 participants were surveyed. The majority were male at birth, and were transitioning or had transitioned from male to female MtF, (89.57%). The mean age was 24.13 (± 4.88) and there was no statistically significant difference in age between MtF (24.07 ± 4.79 years) and FtM (24.71 ± 5.65) participants (p = .08738). The Littoral, Atlantic and Ouémé departments accounted for 37.73%, 24.54% and 13.19% respectively, of participants. The departments of Mono and Couffo had the lowest proportions, 1.23% and 1.53% respectively, of the surveyed population. Regarding employment status, 36.50% of study participants were students, 14.74% were hotel or restaurant employees, and 3.99% were unemployed. In addition, participants were primarily Beninese nationals (93.85%) who were under 30 (88.5%), single (84.4%), and with a minimum level of education equivalent to secondary education (87.38%) (Table 1).

3.2. Individual Management of Social Affirmation of Transgender Status

The first indications of desire for gender transition occurred at a significantly earlier age among FtM than among MtF (p = 0.0001), as did the age of readiness for the gender transition (p = 0.001). Generally, MtF began wanting to transition after age 16, whereas FtM individuals tended to have such feelings prior to age 15. In addition, the proportion of transgender individuals who expressed that their transition process was a positive experience, along with those who adopted physical changes to their appearance was significantly higher among FtM as compared to MtF (p<0.05). Of the surveyed participants, 211 or about 6 in 10 had informed at least one person in their community about their transition and there was no difference by gender (Table 2). Participants reported that those they were most likely to inform of their gender identity and transition were people outside of their family or their spouse (67.49% of participants, n = 203).

Table 2. Gender and individual management of social affirmation of transgender status, Benin, 2017

|                        | n   | Male to Female | n   | Female to Male | p-value |
|------------------------|-----|----------------|-----|----------------|---------|
| Average age of first desire for transition | 291 | 12.39 (3.39)  | 34  | 10.18 (3.46)  | 0.0001  |
| Average age of readiness for gender transition | 16.20 (3.12) | 14.82 (4.14) |    |                | 0.001   |
| Personal feeling after coming out as trans    | 268 | 32.09%         | 30  | 56.67%         | 0.007   |
| Changes to physical appearance              | 291 | 53.95%         | 34  | 79.41%         | 0.005   |
| Community and family aware of transgender status | 291 | 64.60%         | 34  | 67.65%         | 0.725   |
Responses and reactions from the community toward transgender individuals were not directed at any particular trans identity (MtF vs. FtM received similar social reactions). The majority of participants live with family members, with a significantly higher proportion of FtM (70.59%) living with family as compared to MtF (65.75%) (p = 0.008). In addition, 183 subjects, or 56.31% (n = 325), experienced at least one verbal or physical assault (Table 3). The type of aggression that participants most frequently were subject to was humiliation (59.02%, n = 183); other common forms of aggression that participants described receiving were discrimination (48.63% of cases) and stigmatization (49.18% of cases). Of the participants who were assaulted, 51% did not seek legal action against their perpetrators, while 24.57% and 21.14% of assault cases asked for help from family or from identity-based organizations, respectively. Security forces were called in 2.86% of the cases (n = 175). The main reasons for the limited use of legal avenues to seek protection or justice include negative perceptions and stigma for transgender populations, as well as the nonexistence or lack of awareness of legal processes among 35.71% of cases.

Table 3. Social reactions to transgender people, Benin, 2017

| Type of housing                  | n  | Male to Female | n  | Female to Male | p-value |
|----------------------------------|----|----------------|----|----------------|---------|
| Alone                            | 292| 25.00%         | 34 | 14.71%         | 0.015*  |
| With Family                      | 292| 65.75%         | 34 | 70.59%         |         |
| With sexual partner              | 292| 3.42%          | 34 | 14.71%         |         |
| Other                            | 292| 5.82%          | 34 | 0.00%          |         |
| Membership in an identity-based  | 291| 75.60%         | 34 | 73.53%         | 0.791   |
| organization                     |    |                |    |                |         |
| Oui                              | 185| 75.60%         | 23 | 79.07%         | 0.159*  |
| Attitudes among community, toward| 185| 10.81%         | 23 | 4.35%          | 0.573*  |
| gender transition                |    |                |    |                |         |
| Indifference                     | 185| 65.41          | 23 | 78.26%         |         |
| Acceptance                       | 185| 23.78          | 23 | 17.39%         |         |
| Rejection/Exclusion              | 185| 23.78          | 23 | 17.39%         |         |
| Assault                          | 291| 54.98%         | 34 | 67.65%         |         |
| Yes                              | 291| 54.98%         | 34 | 67.65%         |         |

*Fischer exact test
3.4. Risk Behaviors in Transgender People

Having multiple sexual partners is prevalent in at least 6 out of 10 transgender individuals with a significantly higher proportion (p = 0.002) in MtF (Figure 1). In addition, alcohol abuse and use of tobacco and/or drugs are prevalent in higher proportions among FtMs respectively in proportions of (30% and 21.88% respectively) as to their use among MtF (compared to 20.76% and 15.28%) among MtF. These observed differences, however, are not statistically significant.

4. Discussion

This study provides an exploratory view of the transgender population in Benin, with a focus on the identity transition period and related responses by the community and society. This research has helped to identify the characteristics and experiences of the transgender population in Benin, and has demonstrated that it is predominantly young and male. Transgender individuals generally initiate their gender identity transition during childhood, and they inform those outside their immediate circles. Assaults are common among transgender people, causing them to feel humiliated. Few pursued legal recourse after an assault, due to nonexistence or lack of awareness of legal options, along with fear of negative perceptions in the community. The subsequent risk behaviors that occur in response to the stigma and discrimination transgender populations face mainly involve having multiple sexual partners.

4.1. Strengths and Limitations of the Study

The respondent-driven sampling method is very commonly used in studies of hidden populations. Thus it was quite appropriate for this study and allowed us to have a more accurate count of transgender individuals in Benin. This research is the first scientific initiative in this field. The precautions taken during collection to guarantee respondents’ anonymity can ensure a certain reliability in the quality of information collected and limit information bias. The choice of collection points that are distributed throughout the country guarantees that data are nationally representative. However, as the collection primarily occurred in large cities and existing identity-based organizations, the results may not be generalizable to the overall population of transgender people in Benin. Given the specificity of the population selected for the study and the difficulties in reaching this population, the results nevertheless provide useful data for decision-making and strategic planning in the future.

4.2. Discussion of Key Differences with Other Studies

The socio-demographic profile corresponds to that reported in 3 West African countries by Stahlman et al in their study in Côte d’Ivoire, Burkina Faso and Togo on MtF transgender between 2012 and 2015 with a predominance of young subjects (mostly students) ages 20 to 27, all of whom had a relatively high level of education (at the high school and university level) [14]. This profile could be explained by evolution of social perceptions on transgenderism; evolution related to educational level. Thus, higher educational levels would be associated with earlier acceptance and affirmation of transgender identity. These figures are different from results of the studies in Spain and Japan that report older subjects (average around 30 years) with a variation by gender identity. Differences in the results of this study can be explained by the methodological differences related to the sampling. Indeed, for the studies in Spain and Japan, recruitment was voluntary, and research was conducted in a specific context (both were conducted in psychiatric hospitals, since transgender status was long considered a psychiatric pathology) [15, 16]. In our study, there is the possibility of selection bias (due to the sampling methods used), which may explain the under-representation of slightly older transgender people. Such groups likely come from wealthier social classes who are not integrated into the network of identity-based organizations, for fear of social stigma.

According to the results of this study, the management of the identity transition and the coming out process occur at an earlier age and is more easily accepted by the FtM than by the MtF. FtM were on average younger at the first signs of expressing a desire to undergo gender transition and during the initial point of readiness for the gender transition. The proportions of transgender people who report a positive feeling about the transition and of those who have adopted a physical adaptation in relation to their gender are significantly higher among the FtM population compared to MtF. The earlier onset of transition for FtM could be explained by general sex-related personality differences [17]. Positive feelings about coming out and physical adaptation of gender identity could be explained by higher levels of resilience among FtM. On the other hand, it must be recognized that in the Beninese context, a physical adaptation from male to female would be much more difficult for society to accept than the reverse. Family and social support remain imperative and serve as protective factors against mental disorders in transgender youth [11, 18]. In this study, immediate circle attitudes toward transgender people seem to be positive, with more than 7 out of 10 transgender individuals reporting an acceptance or a support by their social networks/communities in their transition. This is confirmed by the fact that a similar proportion of transgender individuals lives with their family. These figures are slightly weaker than those reported by Wilson et al in their study in the United States, which evoke a proportion of 81.5% of transgender subjects still living with their families [1]. This difference is certainly related to the context and can be explained by a
greater general acceptance of transgender status in the U.S., as compared to African societies where transgender status can still appear as a myth. The importance of family support in this study can be explained by the young age of the participants and the fact that in African societies, family support is still very present in situations considered pathological (especially when other healthcare is not accessible), transgender identity being still perceived as a psychological disorder. Nevertheless, discrimination and stigmatization remain very frequent (around 50%) among this population with about 6 out of 10 transgender people being assaulted. These figures are similar to those reported by Wilson et al. who mention 45.9% of transgender individuals in their sample being subject to discrimination [1]. These situations continue because of the persistence of negative perceptions of LGBT communities, as shown by Abaver et al in South Africa, where less than 5% of their sample stated that they are against violence against LGBT people [19]. These figures remain alarming because discrimination, violence and stigmatization cause emotional instability, including mental and psychological disorders, and they promote risky behaviors such as those that promote the spread of HIV [5, 14, 19]. In the Beninese context, which is generally characterized by a fatalistic view toward the state’s response to violence and discrimination, this state of affairs is perpetuated, and the government’s actions remain insufficient. Benin's legislation does not expressly recognize gender identity or provide human rights protections to gender and sexual minorities. However, there is a relative amount of socio-cultural acceptance of gender and sexual minorities as long as their presence does not interfere with public tranquility and is not considered indecent (Code of Criminal Procedure). Nevertheless transgender people are victims of violence of all kinds (verbal, sexual, physical, psychological, social ...). Less than half of assaulted transgender individuals had opportunity to seek legal action in response, and the security forces were the least sought-after source of assistance. This can be explained by the fear of negative perceptions or violence, even by the police, as well as by the limited awareness of legal protections and structures guaranteeing human rights [20].

In terms of risk behaviors, this study identified multiple sexual partners, along with alcohol abuse and use of tobacco and other substances, with such behaviors occurring predominantly among MtF. Adolescents and young adults in general are already more inclined to adopt certain risk behaviors because of the physiological and physical changes inherent in this stage of human development, and this is more pronounced for transgender people [21]. The proportion of participants who abuse alcohol and drugs was lower in our study. According to Budhwani et al, 26% of transgender people in the Dominican Republic reported using illegal drugs; Peacock et al cite a proportion of 61% of alcohol misuse in El Salvador [22, 23]. The presence of multiple sexual partners is frequent in our sample and particularly in the MtF: more than 8 out of 10 reported multiple sexual partners. Chen et al in their study in China evoke a proportion of 56% of transgender individuals with occasional partners [24]. The differences can be explained on the one hand by methodological factors, for example regarding the definition of the abuse of alcohol, and on the other hand in the context of Benin, by a lower consumption of alcohol in the general population [25]. A social desirability bias cannot be totally excluded in the context, although it is unlikely to have occurred in this survey.

Although the figures reported in this study differ from those reported in the literature, there is agreement that these risky behaviors provide an outlet for stressors as a result of the stigma and discrimination that transgender individuals face, and that such behaviors strongly contribute to the transmission of HIV in this population, putting them at greater risk than Men who have Sex with Men [6, 22, 23].

5. Conclusions

This study confirmed that transgender populations exist in Benin. It confirms the social difficulties that these populations may face and also their place in the persistence of HIV transmission. The findings from this research must be taken into account in a holistic vision to develop strategies adapted to the unique needs of transgender individuals in Benin, in order to contribute to the reduction of HIV incidence in the country.

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Competing Interests

The authors declare that they have no competing interests.

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