Supplemental Files (SF)
Rethinking Gender Identities and Sexual Orientation:
The Multidimensional Gender and Sexuality Inventory (MGSI)

Contents

1. Literature Review

Here, we summarize key measures of gender, sexuality, and discrimination from the literature relevant to our study. These include widely used tools like the Bem Sex Role Inventory (BSRI) for masculinity and femininity, modern instruments such as the Multi-Gender Identity Questionnaire, and scales that assess sexual orientation, like the Kinsey Scale. Others, like the Multidimensional Scales of Perceived Discrimination, focus on discrimination and microaggressions. Collectively, these tools reflect the evolving complexity of measuring their respective constructs in social science research.

1.1. Gender

Research on gender identity has advanced considerably, resulting in various tools to measure masculinity, femininity, and nonbinary experiences. One of the earliest and still most widely used tools is the **BSRI** of Bem (1974). The BSRI is a 60-item scale that measures masculinity and femininity as independent dimensions, using traits traditionally categorized as masculine, feminine, or neutral. Participants rate themselves on seven-point Likert scales, providing a nuanced view of their gender roles. The BSRI laid the groundwork for later scales and highlighted the importance of identifying between masculinity and femininity, moving away from the traditional unidimensional approach of viewing them as opposite ends of a spectrum. The **Personal Attributes Questionnaire (PAQ)** (Helmreich et al., 1981) built on the BSRI but classified traits into three subscales: Masculine, Feminine, and Masculine-Feminine. This scale also used Likert-type scales to measure these traits, contributing to early discussions about how gender roles are socially constructed and expressed. Piasenti and Süer (2024) developed a continuous scale for measuring gender identity by starting with an expanded inventory of 90 attributes, combining items from the BSRI with additional items. These attributes were categorized as feminine, masculine, or neutral across the following contexts: desirability and gender norms in society at large and in the workplace. The authors measured economic behaviors such as confidence, risk preferences, altruism, and competition and collected participants' self-ratings on the attribute. This process resulted in a two-dimensional scale with separate femininity and masculinity scores.

In response to changing societal views on gender, De Roover and Vermunt (2019) developed the **Open Sex Role Inventory (OSRI)** as a more contemporary adaptation of the BSRI. This scale introduces more modern conceptions of masculine and feminine characteristics by proposing statements like "I like guns" (masculine) and "I have kept a personal journal" (feminine). Like its predecessor, the OSRI uses a seven-point Likert scale, but its updated items reflect more current gender stereotypes, offering more relevance to modern populations. Similarly, the **Gender-Related Attributes Scale (GRAS)** (Gruber et al., 2019) extends these earlier inventories by including both personality traits and cognitive abilities and interests associated with male or female gender roles. This extension acknowledges the diversity of gender expression beyond personality characteristics alone.

Recent research highlights the importance of assessing gender identity along multiple dimensions rather than just using masculinity and femininity. The **Two-Dimensional Magliozzi Scale** (Magliozzi et al., 2016) measures both self-perceived masculinity and femininity ("how do you see yourself?") and how others perceive the individual ("how do most people see you?"), reflecting the social complexity of gender identity. However, some researchers emphasize the value of unidimensional approaches. For example, the **Traditional Masculinity Femininity Scale** (Kachel et al., 2016) uses a seven-point scale from "very masculine" to "very feminine", focusing on traditional gender roles. The **Single-Item Continuous Gender Identity** scale (Brenøe et al., 2022) similarly uses a seven-point scale to gauge both self-perception and where respondents believe others would place them on the gender spectrum.

To address the growing recognition of nonbinary and fluid gender identities, the **Multi-Gender Identity**

Questionnaire by Jacobson and Joel (2018) includes 24 questions that assess experiences of feeling like a woman, man, both, neither, or transitioning between these identities. This scale helps capture the complexity of gender identity beyond the binary framework, making it particularly relevant for nonbinary and gender-fluid individuals. In a similar vein, the **Genderqueer Identity Scale** developed by McGuire et al. (2019) focuses on how people experience their gender as male, female, or neither. With 23 items, it explores nonbinary experiences in depth, offering an important tool for research on gender diversity.
For transgender individuals, measures of gender congruence—how aligned one feels with their gender identity—are crucial. The **Transgender Congruence Scale** by Kozee et al. (2012) assesses the congruence between a participant's appearance and their gender identity. This 12-item scale provides insights into the comfort levels and satisfaction transgender individuals experience with their gender presentation and contributes to understanding transgender well-being.

1.2. Sexuality

Research on measuring sexuality has evolved to capture a broad range of experiences, including sexual behaviors, attraction, and identity. One of the foundational tools in this area is the **Kinsey Scale** developed by Kinsey et al. (1949), which assesses sexual behavior on a continuum from exclusively heterosexual (0) to exclusively homosexual (6). This simple yet effective measure paved the way for more comprehensive scales. Building on the Kinsey Scale, the **Klein Sexual Orientation Grid** by Klein et al. (1985) introduces a more detailed approach by assessing sexual orientation across multiple dimensions, such as sexual attraction, behavior, fantasies, and emotional and social preferences. It offers a more nuanced scoring system, ranging from 1 (other sex only/heterosexual) to 7 (same-sex only/homosexual), providing a broader understanding of sexual orientation.
To assess sexual fantasies, attraction, behavior, and romantic relationships, the **Sexual Orientation Questionnaire** (Jacobson and Joel, 2018) includes eight questions, repeated once for women and once for men, giving a clear distinction between different gender-related experiences in sexuality. For those focusing specifically on sexual identity within the LGBTQ+ community, the **Lesbian, Gay, and Bisexual Identity Scale** by Mohr and Kendra (2011) offers a more specific tool. It contains 27 items rated on a six-point scale, providing insight into sexual identity development and expression across different contexts.

1.3. Discrimination

Research on discrimination has led to the development of several scales that capture both experienced discrimination and underlying beliefs about gender and sexuality. The **Multidimensional Scale of Perceived Discrimination** (Molero et al., 2013) assesses four dimensions of perceived discrimination: blatant group discrimination, subtle group discrimination, blatant individual discrimination, and subtle individual discrimination, providing a comprehensive understanding of how individuals experience discrimination. Similarly, the **Heterosexist Harassment, Rejection, and Discrimination Scale** developed by Szymanski (2006) measures the frequency with which sexual minorities encountered harassment and discrimination due to their sexual orientation over the past year.
In addition to measuring experienced discrimination, scales such as the **Internalized Homophobia Scale** (Herek et al., 1998) focus on beliefs and attitudes, assessing internalized negative perceptions among lesbian, gay, and bisexual individuals through nine items rated on a 5-point scale. The **Gender Role Belief Scale** by Kerr and Holden (1996) evaluates individuals' beliefs about gender roles, with higher scores indicating more progressive views and lower scores suggesting adherence to traditional gender ideologies.

Microaggressions also play a significant role in the experiences of marginalized groups. The **Gendered Racial Microaggressions Scale** (Lewis and Neville, 2015) examines the lifetime frequency and stress appraisal of gendered racial microaggressions. In contrast, the **Sexual Orientation Microaggressions Scale** by Nadal (2019) assesses the prevalence of microaggressions related to sexual orientation in the past six months. Moreover, the **Nonbinary Gender Microaggressions Scale** of Croteau and Morrison (2023) focuses explicitly on the experiences of nonbinary individuals regarding microaggressions. Lastly, the **Gender Congruence and Life Satisfaction Scale** (Jones et al., 2019) measures gender congruence and related mental well-being, highlighting the intersection of discrimination, identity, and life satisfaction for those undergoing gender-affirming interventions.

2. Theoretical Background

Gender differences in social behavior have long been a central topic in psychology and sociology, shaped by societal roles and expectations based on an individual's gender. As an early starting point, *Sex Role Theory* of Parsons (1942) is rooted in a binary understanding of sex, categorizing individuals into two distinct categories: male and female. Moreover, it designates roles, behaviors, and expectations associated with being male or female in a given culture or society, describing the division of labor between husbands and wives as a specialization of men in task-oriented (or instrumental) behavior and of women in socio-emotional (or expressive) behavior.

Bem (1974) significantly contributed to Sex Role Theory by introducing the concept of androgyny, challenging the traditional gender roles by showing that individuals could possess a mix of gender-typical and gender-atypical traits. She developed the BSRI, the most commonly used and repeatedly validated measure of gender roles. The BSRI includes 60 dichotomous items divided into three categories of 20 items each: masculine, feminine and androgyny. Bem (1974) hypothesized that "many individuals might conceive of themselves as androgynous"; that is, they might be both masculine and feminine depending on the situational appropriateness of these behaviors" (Bem, 1974, p.155). Androgyny, as measured by the BSRI, suggests that individuals could possess a mix of both traditionally "masculine" and "feminine" traits. Thus, the inventory acknowledges that people are not limited to adhering strictly to one set of gender-stereotyped characteristics. Instead, individuals can express diverse qualities and behaviors that do not conform with traditional gender norms.

This shift towards androgyny marks a significant turning point in gender theory. It provides empirical evidence that individuals may exhibit a combination of traits traditionally associated with men and women. This realization challenges the notion that gender roles are fixed and inherent, opening up space for a more nuanced understanding of gender as a multidimensional and dynamic concept. *Social Role Theory* of Eagly (1987), for example, implies that each gender/sex is expected to possess characteristics suited for the tasks they typically undertake.

These expectations encompass both the preferred and the typical attributes of men and women. For example, women who predominantly occupy roles demanding communal, domestic, or subordinate behaviors develop stereotypes associated with women's gender roles. Conversely, men who mostly occupy roles demanding agentic, resource acquisition, or dominant behaviors develop stereotypes associated with men's gender roles. Eagly (1987) acknowledges that gender is not solely determined by sex, emphasizing the impact of social roles and expectations, suggesting that societal expectations influence behavior, leading individuals to conform to gender-stereotypic expectations in their interactions.

A large body of evidence demonstrates that in terms of traits, abilities, interests and behaviors, men and women do not clearly fall into two distinct categories (Egan and Perry, 2001; Hyde et al., 2019; Jacobson and Joel, 2018). Gender identity is a complex social concept that should not and cannot be measured unidimensionally, and general self-declarations of femininity or masculinity as a form of gender

typification are insufficient, because many factors moderate these multidimensional categories.
In conclusion, the development of modern gender theory has significantly advanced our understanding of gender beyond the limitations of binary frameworks, emphasizing the nature of gender, and critiquing the societal norms that shape gender identity and expression. The mentioned studies were instrumental in advancing the field of gender studies and providing a more inclusive and nuanced perspective on gender that acknowledges the diversity and complexity of human experiences, highlighting the importance of a multidimensional assessment of gender.

3. Survey Instructions and Coding

3.1. Demographic Questions

1. What sex were you registered with at birth?
   Female, Male, None of the aforementioned options

2. Which gender do you self-identify with?
   Woman, Man, Non-binary, Transman, Transwoman, None of the aforementioned options

3. What is your age?
   [Please enter only numbers in this field]

4. How would you describe your level of religiosity?
   Very religious, Moderately religious, Slightly religious, Not at all religious, None of the aforementioned options

5. What is your religious affiliation?
   Christianity, Islam, Hinduism, Buddhism, Judaism, Sikhism, Atheism, None of the aforementioned options

6. Which ethnic group do you identify with?
   Caucasian/White, African American/Black, Hispanic/Latino, Asian/Pacific Islander, Native American/Alaska Native, Mixed Ethnicity, None of the aforementioned options

7. Which of these is the highest level of education you have completed?
   No formal qualifications, Secondary education (e.g. GED/GCSE), High school diploma/A-levels, Technical/community college, Undergraduate degree (BA/BSc/other), Graduate degree (MA/MSc/MPhil/other), Doctoral degree (PhD/other), None of the aforementioned options

8. What is your current occupation?
   Full-Time, Part-Time, Due to start a new job within the next month, Unemployed (and job seeking), Not in paid work (e.g. homemaker, retired or disabled), None of the aforementioned options

9. What is your personal income per year (after tax) in USD?
   Less than $ 10,000, $ 10,000 - $ 19,999, $ 20,000 -$ 29,999, $ 30,000 - $ 39,999, $ 40,000 - $ 49,999, $ 50,000 - $ 59,999, $ 60,000 - $ 69,999, $ 70,000 - $ 79,999, $ 80,000 - $ 89,999, $ 90,000 - $ 99,999, more than $ 100,000, None of the aforementioned options

10. What is your relationship/marital status?
    Single, In a relationship, Engaged, Married, Widowed, Divorced, Separated, Never married, In a civil partnership/union or similar, None of the aforementioned options

11. How many dependents do you have?
    None, 1, 2, 3, 4, 5 or more, None of the aforementioned options

12. Which sexual orientation category resonates with your internal sense of self?
    Heterosexual, Bisexual, Homosexual, Pansexual, Asexual, None of the aforementioned options

The following information is not disclosed to participants and is solely included for clarification purposes: If conditions are specified for a question, they are explained in the footnotes. If no conditions are specified, the question is directed to all participants. If a question is crossed out, it indicates that it did not meet the condition described in Section 2.

To conserve space and avoid repetition, the answer options for the subsection Multi-Gender Identity Questionnaire are provided once and referred to for all subsequent questions. They are:
Always, Very often, Often, Quite often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, Does not apply

3.2. Multi-Gender Identity Questionnaire (MIQ)

1. In the past 12 months, have you felt satisfied being a woman?[1]
2. In the past 12 months, have you felt satisfied being a transwoman?[1]
3. In the past 12 months, have you felt satisfied being a man?[1]
4. In the past 12 months, have you felt satisfied being a transman?[1]
5. In the past 12 months, have you felt satisfied being non-binary?[1]
6. ~~In the past 12 months, have you thought of yourself as a woman?~~
7. ~~In the past 12 months, have you thought of yourself as a man?~~
8. ~~In the past 12 months, have you felt that you have to work at being a woman?~~
9. ~~In the past 12 months, have you felt that you have to work at being a man?~~
10. ~~In the past 12 months, have you felt pressured by others to be a "proper" woman?~~
11. ~~In the past 12 months, have you felt pressured by others to be a "proper" man?~~
12. In the past 12 months, have you felt that you were a "real" woman?[2]
13. In the past 12 months, have you felt that you were a "real" man?[3]
14. ~~In the past 12 months, when you went into a department store to buy yourself clothing, did you shop in a department labeled for your sex?~~
15. In the past 12 months, have you worn clothes typically associated with females, such as skirts or dresses?
16. In the past 12 months, have you worn clothes typically associated with males, such as pants or suits?
17. In the past 12 months, have you felt more like a man than like a woman?[2]

[1] This is contingent on the response to Question 2 in the Demographic section.
[2] All participants must answer, except those who choose "man" in Question 2 of the Demographic section.
[3] All participants must answer, except those who choose "woman" in Question 2 of the Demographic section.

18. In the past 12 months, have you felt more like a woman than like a man?[3]
19. Please select "Very often" for this question.
20. In the past 12 months, have you sometimes felt like a man and sometimes like a woman?
21. In the past 12 months, have you felt somewhere in between a woman and a man?
22. ~~In the past 12 months, have there been times when you have felt that you are neither a man nor a woman?~~
23. ~~In the past 12 months, have you felt that it would be better for you to live as a man than as a woman?~~
24. ~~In the past 12 months, have you felt that it would be better for you to live as a woman than as a man?~~
25. In the past 12 months, have you had the wish or desire to be a woman?[3]
26. In the past 12 months, have you had the wish or desire to be a man?[2]
27. In the past 12 months, have you disliked your body because of its female form?[4]
28. In the past 12 months, have you disliked your body because of its male form?[4]
29. In the past 12 months, have you wished you had the physique or body characteristics typically associated with males?[5]
30. In the past 12 months, have you wished you had the physique or body characteristics typically associated with females?[6]
31. Summary Item: In the past 12 months, have you felt contentment with your own gender?
32. Expectation Item: If you think about your self-perceptions of your gender, how much do you feel as a woman?
33. Expectation Item: If you think about your self-perceptions of your gender, how much do you feel as a man?

To conserve space and avoid repetition, the answer options for the subsection Transgender Congruence Scale will be provided once and referred to for all subsequent questions. They are:
Agree very strongly, Agree strongly, Agree moderately, Agree slightly, Agree, Disagree, Disagree slightly, Disagree moderately, Disagree strongly, Disagree very strongly, Does not apply

3.3. Transgender Congruence Scale (TCS)

1. My outward appearance represents my gender identity.
2. ~~I experience a sense of unity between my gender identity and my body.~~
3. ~~My physical appearance adequately expresses my gender identity.~~
4. ~~I am generally comfortable with how others perceive my gender identity when they look at me.~~

[4] This is contingent on the response to Question 1 in the Demographic section.
[5] All participants must answer, except those who choose "male" in Question 1 of the Demographic section.
[6] All participants must answer, except those who choose "female" in Question 1 of the Demographic section.

5. ~~My physical body represents my gender identity.~~
6. ~~The way my body currently looks does not represent my gender identity.~~
7. Please select "Disagree moderately" for this question.
8. I am happy with the way my appearance expresses my gender identity.
9. ~~I do not feel that my appearance reflects my gender identity.~~
10. I feel that my mind and body are consistent with one another.
11. ~~I am not proud of my gender identity.~~
12. I am happy that I have the gender identity that I do.
13. I have accepted my gender identity.
14. Summary Item: My external gender identity (e.g., my body, outward appearance, or how I dress) represents my gender identity.
15. Expectation Item: If I think about the external representation of my gender, I feel like a woman.
16. Expectation Item: If I think about the external representation of my gender, I feel like a man.

To conserve space and avoid repetition, the answer options for the subsection Multidimensional Scale of Perceived Discrimination will be provided once and referred to for all subsequent questions. They are: Agree very strongly, Agree strongly, Agree moderately, Agree slightly, Agree, Disagree, Disagree slightly, Disagree moderately, Disagree strongly, Disagree very strongly, Does not apply

3.4. Multidimensional Scale of Perceived Discrimination (MSPD)

1. In society, men are visibly rejected.
2. In society, women are visibly rejected.
3. In society, transwomen are visibly rejected.
4. In society, transmen are visibly rejected.
5. In society, non-binary individuals are visibly rejected.
6. Society treats men unfairly.
7. Society treats women unfairly.
8. Society treats transwomen unfairly.
9. Society treats transmen unfairly.
10. Society treats non-binary individuals unfairly.
11. Men suffer from occupational discrimination.
12. Women suffer from occupational discrimination.
13. Transwomen suffer from occupational discrimination.
14. Transmen suffer from occupational discrimination.

15. Non-binary individuals suffer from occupational discrimination.
16. Men suffer from discrimination in the health sphere.
17. Women suffer from discrimination in the health sphere.
18. Transwomen suffer from discrimination in the health sphere.
19. Transmen suffer from discrimination in the health sphere.
20. Non-binary individuals suffer from discrimination in the health sphere.
21. ~~Men suffer from discrimination in the legal sphere.~~
22. ~~Women suffer from discrimination in the legal sphere.~~
23. Men suffer from rejection in their daily social relations.
24. women suffer from rejection in their daily social relations.
25. Transwomen suffer from rejection in their daily social relations.
26. Transmen suffer from rejection in their daily social relations.
27. Non-binary individuals suffer from rejection in their daily social relations.
28. Men suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.)
29. Women suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.)
30. Transwomen suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.)
31. Transmen suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.)
32. Non-binary individuals suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.)
33. Society mistrusts men.
34. Society mistrusts women.
35. Society mistrusts transwomen.
36. Society mistrusts transmen.
37. Society mistrusts non-binary individuals.
38. Even when people seem to accept men, I think that, deep down, they have some misgivings.
39. Even when people seem to accept women, I think that, deep down, they have some misgivings.
40. Even when people seem to accept transwomen, I think that, deep down, they have some misgivings.
41. Even when people seem to accept transmen, I think that, deep down, they have some misgivings.
42. Even when people seem to accept non-binary individuals, I think that, deep down, they have some misgivings.

43. Even though there is no express rejection, people treat men differently.
44. Even though there is no express rejection, people treat women differently.
45. Even though there is no express rejection, people treat transwomen differently.
46. Even though there is no express rejection, people treat transmen differently.
47. Even though there is no express rejection, people treat non-binary individuals differently.
48. I have felt personally rejected for being a man.[1]
49. I have felt personally rejected for being a woman.[1]
50. I have felt personally rejected for being a transwoman.[1]
51. I have felt personally rejected for being a transman.[1]
52. I have felt personally rejected for being a non-binary individual.[1]
53. I have been treated unfairly for being a man.[1]
54. I have been treated unfairly for being a woman.[1]
55. I have been treated unfairly for being a transman.[1]
56. I have been treated unfairly for being a transwoman.[1]
57. I have been treated unfairly for being a non-binary individual.[1]
58. I have been discriminated at work for being a man.[1]
59. I have been discriminated at work for being a woman.[1]
60. I have been discriminated at work for being a transwoman.[1]
61. I have been discriminated at work for being a transman.[1]
62. I have been discriminated at work for being a non-binary individual.[1]
63. I have been discriminated in the health sphere for being a man.[1]
64. I have been discriminated in the health sphere for being a woman.[1]
65. I have been discriminated in the health sphere for being a transwoman.[1]
66. I have been discriminated in the health sphere for being a transman.[1]
67. I have been discriminated in the health sphere for being a non-binary individual.[1]
68. I have been discriminated in the legal sphere for being a man.[1]
69. I have been discriminated in the legal sphere for being a woman.[1]
70. I have been discriminated in the legal sphere for being a transwoman.[1]
71. I have been discriminated in the legal sphere for being a transman.[1]
72. I have been discriminated in the legal sphere for being a non-binary individual.[1]
73. I have been rejected in my daily social relations for being a man.[1]

74. I have been rejected in my daily social relations for being a woman.[1]

75. I have been rejected in my daily social relations for being a transwoman.[1]

76. I have been rejected in my daily social relations for being a transman.[1]

77. I have been rejected in my daily social relations for being a non-binary individual.[1]

78. I have been the target of discriminatory actions by some private institution (e.g., banks, insurance companies, etc.) for being a man.[1]

79. I have been the target of discriminatory actions by some private institution (e.g., banks, insurance companies, etc.) for being a woman.[1]

80. I have been the target of discriminatory actions by some private institution (e.g., banks, insurance companies, etc.) for being a transwoman.[1]

81. I have been the target of discriminatory actions by some private institution (e.g., banks, insurance companies, etc.) for being a transman.[1]

82. I have been the target of discriminatory actions by some private institution (e.g., banks, insurance companies, etc.) for being a non-binary individual.[1]

83. Even when people seem to accept me, deep down, I think they have some misgivings because I am a man.[1]

84. Even when people seem to accept me, deep down, I think they have some misgivings because I am a woman.[1]

85. Even when people seem to accept me, deep down, I think they have some misgivings because I am a transwoman.[1]

86. Even when people seem to accept me, deep down, I think they have some misgivings because I am a transman.[1]

87. Even when people seem to accept me, deep down, I think they have some misgivings because I am a non-binary individual.[1]

88. Even though there is no express rejection, people treat me differently when they see I am a man.[1]

89. Even though there is no express rejection, people treat me differently when they see I am a woman.[1]

90. Even though there is no express rejection, people treat me differently when they see I am a transwoman.[1]

91. Even though there is no express rejection, people treat me differently when they see I am a transman.[1]

92. Even though there is no express rejection, people treat me differently when they see I am a non-binary individual.[1]

93. I feel that people mistrust me for being a man.[1]

94. I feel that people mistrust me for being a woman.[1]

95. I feel that people mistrust me for being a transwoman.[1]

96. I feel that people mistrust me for being a transman.[1]

97. I feel that people mistrust me for being a non-binary individual.[1]
98. Summary Item: I feel discriminated by others based on my gender.
99. Expectation Item: If I think about how I am perceived by others, others discriminate against me because I am a man.[1]
100. Expectation Item: If I think about how I am perceived by others, others discriminate against me because I am a woman.[1]
101. Expectation Item: If I think about how I am perceived by others, others discriminate against me because I am a transwoman.[1]
102. Expectation Item: If I think about how I am perceived by others, others discriminate against me because I am a transman.[1]
103. Expectation Item: If I think about how I am perceived by others, others discriminate against me because I am a non-binary individual.[1]

To conserve space and avoid repetition, the answer options for the subsection Open Sex Role Inventory will be provided once and referred to for all subsequent questions. They are:
Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, Does not apply

3.5. Open Sex Role Inventory (OSRI)

1. ~~I have studied how to win at gambling.~~
2. ~~I have thought about dying my hair.~~
3. I have thrown knives, axes or other sharp things.
4. I give people handmade gifts.
5. ~~I have day-dreamed about saving someone from a burning building.~~
6. I get embarrassed when people read things I have written.
7. ~~I have been very interested in historical wars.~~
8. ~~I know the birthdays of my friends.~~
9. ~~I like guns.~~
10. I am happiest when I am in my bed.
11. ~~I did not work very hard in school.~~
12. ~~I use lotion on my hands.~~
13. I would prefer a class in mathematics to a class in pottery.
14. ~~I dance when I am alone.~~
15. I have thought it would be exciting to be an outlaw.
16. When I was a child, I put on fake concerts and plays with my friends.

17. I have considered joining the military.
18. I get dizzy when I stand up sharply.
19. ~~I do not think it is normal to get emotionally upset upon hearing about the deaths of people you did not know.~~
20. ~~I sometimes feel like crying when I get angry.~~
21. ~~I do not remember birthdays.~~
22. ~~I save the letters I get.~~
23. ~~I playfully insult my friends.~~
24. ~~I oppose medical experimentation with animals.~~
25. ~~I could do an impressive amount of push ups.~~
26. ~~I jump up and down in excitement sometimes.~~
27. I think a natural disaster would be kind of exciting.
28. I wear a blanket around the house.
29. ~~I have burned things up with a magnifying glass.~~
30. I think horoscopes are fun.
31. ~~I don't pack much luggage when I travel.~~
32. ~~I have thought about becoming a vegetarian.~~
33. ~~I hate shopping.~~
34. ~~I have kept a personal journal.~~
35. I have taken apart machines just to see how they work.
36. I take lots of pictures of my activities.
37. Please select "Agree" for this question.
38. ~~I have played a lot of video games.~~
39. ~~I leave nice notes for people now and then.~~
40. I have set fuels, aerosols or other chemicals on fire, just for fun.
41. I really like dancing.
42. I take stairs two at a time.
43. ~~I bake sweets just for myself sometimes.~~
44. ~~I think a natural disaster would be kind of exciting.~~
45. I decorate my things (e.g. stickers on laptop).
46. Summary Item: I prefer adventurous group activities to cautious individual activities.

47. Expectation Item: My gender identity matches contemporary gender stereotypes assigned by friends, family, co-workers, and others, as well as those imposed by political, educational, media, medical, cultural and social institutions.

The answer options for each question in the subsection Sexual Orientation Questionnaire will be provided separately, as they vary across this section.

3.6. Sexual Orientation Questionnaire (SOQ)

1. In the past 12 months, have your romantic relationships been with men?
   Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, I have never had romantic relationships

2. In the past 12 months, have your romantic relationships been with transmen?
   Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, I have never had romantic relationships

3. In the past 12 months, have your romantic relationships been with women?
   Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, I have never had romantic relationships.

4. In the past 12 months, have your romantic relationships been with transwomen?
   Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, I have never had romantic relationships

5. In the past 12 months, have your romantic relationships been with non-binary individuals?
   Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, I have never had romantic relationships

6. In the past 12 months, when you felt sexually attracted, was this to men?
   Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, Does not apply

7. In the past 12 months, when you felt sexually attracted, was this to transmen?
   Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, Does not apply

8. In the past 12 months, when you felt sexually attracted, was this to women?
   Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, Does not apply

9. In the past 12 months, when you felt sexually attracted, was this to transwomen?
   Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, Does not apply

10. In the past 12 months, when you felt sexually attracted, was this to non-binary individuals?
    Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, Does not apply

11. In the past 12 months, when you had sex, was it with men?
    Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, I have never had sex

12. In the past 12 months, when you had sex, was it with transmen?
    Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, I have never had sex

13. In the past 12 months, when you had sex, was it with women?
    Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, I have never had sex

14. In the past 12 months, when you had sex, was it with transwomen?
    Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, I have never had sex

15. In the past 12 months, when you had sex, was it with non-binary individuals?
    Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, I have never had sex

16. Summary Item: Over the past 12 months, have you had sexual activities with women?
    Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, I have never had sexual activities

17. Summary Item: Over the past 12 months, have you had sexual activities with men?
    Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, I have never had sexual activities

18. Summary Item: Over the past 12 months, have you had sexual activities with transwomen?
    Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, I have never had sexual activities

19. Summary Item: Over the past 12 months, have you had sexual activities with transmen?
    Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, I have never had sexual activities

20. Summary Item: Over the past 12 months, have you had sexual activities with non-binary individuals?
    Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, I have never had sexual activities

21. Expectation Item: If you think about your sexual behavior, how much do you feel attracted to women?
    Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, Does not apply

22. Expectation Item: If you think about your sexual behavior, how much do you feel attracted to men?
    Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, Does not apply

23. Expectation Item: If you think about your sexual behavior, how much do you feel attracted to transwomen?
    Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, Does not apply

24. Expectation Item: If you think about your sexual behavior, how much do you feel attracted to transmen?
    Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, Does not apply

25. Expectation Item: If you think about your sexual behavior, how much do you feel attracted to non-binary individuals?
    Always, Very often, Often, Quite Often, Sometimes, Occasionally, Rarely, Very rarely, Almost never, Never, Does not apply

3.7. Survey Codes

Code	**Items of the Demographic Section**
ID	Please insert your Prolific ID
DQ1	What sex were you registered with at birth?
DQ2	Which gender do you self-identify with?
DQ3	What is your age?
DQ4	How would you describe your level of religiosity?
DQ5	What is your religious affiliation?
DQ6	Which ethnic group do you identify with?
DQ7	Which of these is the highest level of education you have completed?
DQ8	What is your current occupation?
DQ9	What is your personal income per year (after tax) in USD?
DQ10	What is your relationship/marital status?
DQ11	How many dependents do you have?
DQ12	Which sexual orientation category resonates with your internal sense of self?

Table SF1: Survey Codes - Demographic Section.

Code	**Items of the Multi-Gender Identity Questionnaire**
MIQ1	In the past 12 months, have you felt satisfied being a woman?
MIQ1	In the past 12 months, have you felt satisfied being a transwoman?
MIQ1	In the past 12 months, have you felt satisfied being a man?
MIQ1	In the past 12 months, have you felt satisfied being a transman?
MIQ1	In the past 12 months, have you felt satisfied being non-binary?
MIQ2a	In the past 12 months, have you felt that you were a “real” woman?
MIQ2b	In the past 12 months, have you felt that you were a “real” man?
MIQ3	In the past 12 months, have you worn the clothes typically associated with females, such as skirts or dresses?
MIQ4	In the past 12 months, have you worn the clothes typically associated with males, such as pants or suits?
MIQ5a	In the past 12 months, have you felt more like a man than like a woman?
MIQ5b	In the past 12 months, have you felt more like a woman than like a man?
MIQ6	In the past 12 months, have you sometimes felt like a man and sometimes like a woman?
MIQ7	In the past 12 months, have you felt somewhere in between a woman and a man?

MIQ8a	In the past 12 months, have you had the wish or desire to be a woman?
MIQ8b	In the past 12 months, have you had the wish or desire to be a man?
MIQ9a	In the past 12 months, have you disliked your body because of its female form?
MIQ9b	In the past 12 months, have you disliked your body because of its male form?
MIQ10a	In the past 12 months, have you wished you had the physique or body characteristics typically associated with males?
MIQ10b	In the past 12 months, have you wished you had the physique or body characteristics typically associated with females?
MIQ11	In the past 12 months, have you felt contentment with your own gender?
MIQ12	If you think about the self-perception of your gender, how much do you feel as a woman?
MIQ13	If you think about the self-perception of your gender, how much do you feel as a man?

Table SF2: Survey Codes - MIQ Section.

Code	**Items of the Transgender Congruence Scale**
TCS1	My outward appearance represents my gender identity.
TCS2	I am happy with the way my appearance expresses my gender identity.
TCS3	I feel that my mind and body are consistent with one another.
TCS4	I am happy that I have the gender identity that I do.
TCS5	I have accepted my gender identity.
TCS6	My external gender identity (e.g., my body, outward appearance, or how I dress) represents my gender identity.
TCS7	If I think about the external representation of my gender, I feel like a woman.
TCS8	If I think about the external representation of my gender, I feel like a man.

Table SF3: Survey Codes - TCS Section.

Code	**Items of the Open Sex Role Inventory**
OSRI1	I have thrown knives, axes or other sharp things.
OSRI2	I give people handmade gifts.
OSRI3	I get embarrassed when people read things I have written.
OSRI4	I am happiest when I am in my bed.
OSRI5	I would prefer a class in mathematics to a class in pottery.
OSRI6	I have thought it would be exciting to be an outlaw.
OSRI7	When I was a child, I put on fake concerts and plays with my friends.
OSRI8	I have considered joining the military.
OSRI9	I get dizzy when I stand up sharply.
OSRI10	I think a natural disaster would be kind of exciting.
OSRI11	I wear a blanket around the house.
OSRI12	I think horoscopes are fun.
OSRI13	I have taken apart machines just to see how they work.
OSRI14	I take lots of pictures of my activities.
OSRI15	I have set fuels, aerosols or other chemicals on fire, just for fun.
OSRI16	I really like dancing.

OSRI17	I take stairs two at a time.
OSRI18	I decorate my things (e.g. stickers on laptop).
OSRI19	I prefer adventurous group activities to cautious individual activities.
OSRI20	My gender identity matches contemporary gender stereotypes assigned by friends, family, co-workers, and others, as well as those imposed by political, educational, media, medical, cultural and social institutions.

Table SF4: Survey Codes - OSRI Section.

Code	**Items of the Sexual Orientation Questionnaire**
SOQ1a	In the past 12 months, has/have your romantic relationship(s) been with men?
SOQ1b	In the past 12 months, has/have your romantic relationship(s) been with transmen?
SOQ1c	In the past 12 months, has/have your romantic relationship(s) been with women?
SOQ1d	In the past 12 months, has/have your romantic relationship(s) been with transwomen?
SOQ1e	In the past 12 months, has/have your romantic relationship(s) been with non-binary individuals?
SOQ2a	In the past 12 months, when you felt sexually attracted, was this to men?
SOQ2b	In the past 12 months, when you felt sexually attracted, was this to transmen?
SOQ2c	In the past 12 months, when you felt sexually attracted, was this to women?
SOQ2d	In the past 12 months, when you felt sexually attracted, was this to transwomen?
SOQ2e	In the past 12 months, when you felt sexually attracted, was this to non-binary individuals?
SOQ3a	In the past 12 months, when you had sex, was it with men?
SOQ3b	In the past 12 months, when you had sex, was it with transmen?
SOQ3c	In the past 12 months, when you had sex, was it with women?
SOQ3d	In the past 12 months, when you had sex, was it with transwomen?
SOQ3e	In the past 12 months, when you had sex, was it with non-binary individuals?
SOQ4a	Over the past 12 months, have you had sexual activities with women?
SOQ4b	Over the past 12 months, have you had sexual activities with men?
SOQ4c	Over the past 12 months, have you had sexual activities with transwomen?
SOQ4d	Over the past 12 months, have you had sexual activities with transmen?
SOQ4e	Over the past 12 months, have you had sexual activities with non-binary individuals?
SOQ5a	If you think about your sexual behavior, how much do you feel attracted to women?
SOQ5b	If you think about your sexual behavior, how much do you feel attracted to men?
SOQ5c	If you think about your sexual behavior, how much do you feel attracted to transwomen?
SOQ5d	If you think about your sexual behavior, how much do you feel attracted to transmen?
SOQ5e	If you think about your sexual behavior, how much do you feel attracted to non-binary individuals?

Table SF5: Survey Codes - SOQ Section.

Code	**Items of the Multidimensional Scale of Perceived Discrimination**
MSPD1a	In society, men are visibly rejected.
MSPD1b	In society, women are visibly rejected.
MSPD1c	In society, transwomen are visibly rejected.

Table SF6 – continued from previous page

Code	Item
MSPD1d	In society, transmen are visibly rejected.
MSPD1e	In society, non-binary individuals are visibly rejected.
MSPD2a	Society treats men unfairly.
MSPD2b	Society treats women unfairly.
MSPD2c	Society treats transwomen unfairly.
MSPD2d	Society treats transmen unfairly.
MSPD2e	Society treats non-binary individuals unfairly.
MSPD3a	Men suffer from occupational discrimination.
MSPD3b	Women suffer from occupational discrimination.
MSPD3c	Transwomen suffer from occupational discrimination.
MSPD3d	Transmen suffer from occupational discrimination.
MSPD3e	Non-binary individuals suffer from occupational discrimination.
MSPD4a	Men suffer from discrimination in the health sphere.
MSPD4b	Women suffer from discrimination in the health sphere.
MSPD4c	Transwomen suffer from discrimination in the health sphere.
MSPD4d	Transmen suffer from discrimination in the health sphere.
MSPD4e	Non-binary individuals suffer from discrimination in the health sphere.
MSPD5a	Men suffer from rejection in their daily social relations.
MSPD5b	Women suffer from rejection in their daily social relations.
MSPD5c	Transwomen suffer from rejection in their daily social relations.
MSPD5d	Transmen suffer from rejection in their daily social relations.
MSPD5e	Non-binary individuals suffer from rejection in their daily social relations.
MSPD6a	Men suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.).
MSPD6b	Women suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.).
MSPD6c	Transwomen suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.).
MSPD6d	Transmen suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.).
MSPD6e	Non-binary individuals suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.).
MSPD7a	Society mistrusts men.
MSPD7b	Society mistrusts women.
MSPD7c	Society mistrusts transwomen.
MSPD7d	Society mistrusts transmen.
MSPD7e	Society mistrusts non-binary individuals.
MSPD8a	Even when people seem to accept men, I think that, deep down, they have some misgivings.
MSPD8b	Even when people seem to accept women, I think that, deep down, they have some misgivings.
MSPD8c	Even when people seem to accept transwomen, I think that, deep down, they have some misgivings.
MSPD8d	Even when people seem to accept transmen, I think that, deep down, they have some misgivings.
MSPD8e	Even when people seem to accept non-binary individuals, I think that, deep down, they have some misgivings.

Table SF6 – continued from previous page

Code	Item
MSPD9a	Even though there is no express rejection, people treat men differently.
MSPD9b	Even though there is no express rejection, people treat women differently.
MSPD9c	Even though there is no express rejection, people treat transwomen differently.
MSPD9d	Even though there is no express rejection, people treat transmen differently.
MSPD9e	Even though there is no express rejection, people treat non-binary individuals differently.
MSPD10a	I have felt personally rejected for being a man.
MSPD10b	I have been treated unfairly for being a man.
MSPD10c	I have been discriminated at work for being a man.
MSPD10d	I have been discriminated in the health sphere for being a man.
MSPD10e	I have been discriminated in the legal sphere for being a man.
MSPD10f	I have been rejected in my daily social relations for being a man.
MSPD10g	I have been the target of discriminatory actions by some private institutions (e.g., banks, insurance companies, etc.) for being a man.
MSPD10h	Even when people seem to accept me, deep down, I think they have some misgivings because I am a man.
MSPD10i	Even though there is no express rejection, people treat me differently when they see I am a man.
MSPD10j	I feel that people mistrust me for being a man.
MSPD10k	I feel discriminated by others based on my gender.
MSPD10l	If I think about how I am perceived by others, others discriminate against me because I am a man.
MSPD10a	I have felt personally rejected for being a woman.
MSPD10b	I have been treated unfairly for being a woman.
MSPD10c	I have been discriminated at work for being a woman.
MSPD10d	I have been discriminated in the health sphere for being a woman.
MSPD10e	I have been discriminated in the legal sphere for being a woman.
MSPD10f	I have been rejected in my daily social relations for being a woman.
MSPD10g	I have been the target of discriminatory actions by some private institutions (e.g., banks, insurance companies, etc.) for being a woman.
MSPD10h	Even when people seem to accept me, deep down, I think they have some misgivings because I am a woman.
MSPD10i	Even though there is no express rejection, people treat me differently when they see I am a woman.
MSPD10j	I feel that people mistrust me for being a woman.
MSPD10k	I feel discriminated by others based on my gender.
MSPD10l	If I think about how I am perceived by others, others discriminate against me because I am a woman.
MSPD10a	I have felt personally rejected for being a transwoman.
MSPD10b	I have been treated unfairly for being a transwoman.
MSPD10c	I have been discriminated at work for being a transwoman.
MSPD10d	I have been discriminated in the health sphere for being a transwoman.
MSPD10e	I have been discriminated in the legal sphere for being a transwoman.
MSPD10f	I have been rejected in my daily social relations for being a transwoman.
MSPD10g	I have been the target of discriminatory actions by some private institutions (e.g., banks, insurance companies, etc.) for being a transwoman.

Table SF6 – continued from previous page

Code	Item
MSPD10h	Even when people seem to accept me, deep down, I think they have some misgivings because I am a transwoman.
MSPD10i	Even though there is no express rejection, people treat me differently when they see I am a transwoman.
MSPD10j	I feel that people mistrust me for being a transwoman.
MSPD10k	I feel discriminated by others based on my gender.
MSPD10l	If I think about how I am perceived by others, others discriminate against me because I am a transwoman.
MSPD10a	I have felt personally rejected for being a transman.
MSPD10b	I have been treated unfairly for being a transman.
MSPD10c	I have been discriminated at work for being a transman.
MSPD10d	I have been discriminated in the health sphere for being a transman.
MSPD10e	I have been discriminated in the legal sphere for being a transman.
MSPD10f	I have been rejected in my daily social relations for being a transman.
MSPD10g	I have been the target of discriminatory actions by some private institutions (e.g., banks, insurance companies, etc.) for being a transman.
MSPD10h	Even when people seem to accept me, deep down, I think they have some misgivings because I am a transman.
MSPD10i	Even though there is no express rejection, people treat me differently when they see I am a transman.
MSPD10j	I feel that people mistrust me for being a transman.
MSPD10k	I feel discriminated by others based on my gender.
MSPD10l	If I think about how I am perceived by others, others discriminate against me because I am a transman.
MSPD10a	I have felt personally rejected for being a non-binary individual.
MSPD10b	I have been treated unfairly for being a non-binary individual.
MSPD10c	I have been discriminated at work for being a non-binary individual.
MSPD10d	I have been discriminated in the health sphere for being a non-binary individual.
MSPD10e	I have been discriminated in the legal sphere for being a non-binary individual.
MSPD10f	I have been rejected in my daily social relations for being a non-binary individual.
MSPD10g	I have been the target of discriminatory actions by some private institutions (e.g., banks, insurance companies, etc.) for being a non-binary individual.
MSPD10h	Even when people seem to accept me, deep down, I think they have some misgivings because I am a non-binary individual.
MSPD10i	Even though there is no express rejection, people treat me differently when they see I am a non-binary individual.
MSPD10j	I feel that people mistrust me for being a non-binary individual.
MSPD10k	I feel discriminated by others based on my gender.
MSPD10l	If I think about how I am perceived by others, others discriminate against me because I am a non-binary individual.

Table SF6: Survey Codes - MSPD Section.

3.8. Screenshots

All screenshots of the experiment are accessible at
`https://osf.io/wr5cz/?view_only=589a8ee81e164a2ea5ab32e3b9255ed2` in the survey file.

4. Data Analysis

4.1. Descriptives

Category	Woman	Non-binary	Man	Transman	Transwoman	Total
Sexual Orientation						
Pansexual	17	75	17	13	7	129
Bisexual	75	72	78	32	18	275
Heterosexual	290	10	297	7	3	607
Homosexual	25	47	47	20	9	148
Asexual	11	52	10	13	5	91
None of the aforementioned options	8	35	3	7	2	55
Category Total	426	291	452	92	44	1,305
Income						
Less than $10,000	62	98	62	32	14	268
$10,000 - $19,999	43	53	39	12	5	152
$20,000 - $29,999	36	40	30	10	7	123
$30,000 - $39,999	40	22	45	9	5	121
$40,000 - $49,999	55	27	46	6	6	140
$50,000 - $59,999	35	14	47	6	1	103
$60,000 - $69,999	41	11	33	3	0	88
$70,000 - $79,999	25	7	33	5	2	72
$80,000 - $89,999	24	3	29	3	1	60
$90,000 - $99,999	20	2	15	1	3	41
More than $100,000	41	10	68	3	0	122
None of the aforementioned options	4	4	5	2	0	15
Category Total	426	291	452	92	44	1,305
Employment Status						
Full-Time	239	99	295	36	16	685
Part-Time	66	77	67	27	11	248
Unemployed (and job seeking)	33	53	48	16	10	160
Not in paid work	70	43	21	8	3	145
Due to start a new job	6	5	6	1	1	19
None of the aforementioned options	12	14	15	4	3	48
Category Total	426	291	452	92	44	1,305
Education						
No formal qualifications	1	6	1	2	3	13
Secondary education	8	9	8	4	4	33
High school diploma/A-levels	108	108	122	32	15	385
Technical/community college	63	33	57	10	3	166
Undergraduate degree	158	101	181	30	16	486
Graduate degree	73	33	70	12	3	191
Doctoral degree	13	1	12	1	0	27
None of the aforementioned options	2	0	1	1	0	4

Category Total	426	291	452	92	44	1,305
Ethnicity						
Caucasian/White	268	195	258	59	31	811
African American/Black	82	19	101	15	4	221
Mixed Ethnicity	16	31	18	5	3	73
Asian/Pacific Islander	30	22	41	7	3	103
Hispanic/Latino	28	20	30	5	2	85
Native American/Alaska Native	0	3	2	0	0	5
None of the aforementioned options	2	1	2	1	1	7
Category Total	426	291	452	92	44	1,305
Religion						
Atheism	65	106	107	24	14	316
Christianity	224	28	208	17	12	489
Judaism	8	10	5	3	2	28
Buddhism	5	9	6	1	1	22
Islam	4	1	10	0	0	15
Hinduism	1	0	1	1	0	3
Sikhism	1	0	1	0	0	2
None of the aforementioned options	118	137	114	46	15	430
Category Total	426	291	452	92	44	1,305
Religiousness						
Not at all religious	180	211	206	56	22	675
Slightly religious	91	35	86	16	10	238
Moderately religious	90	25	106	8	5	234
Very religious	55	9	48	8	5	125
None of the aforementioned options	10	11	6	4	2	33
Category Total	426	291	452	92	44	1,305
Marital Status						
Single	88	116	176	34	24	438
Married	183	57	141	17	4	402
In a relationship	74	86	96	30	11	297
Engaged	12	8	9	4	1	34
Separated	9	1	5	0	1	16
Never married	9	7	5	2	2	25
Divorced	35	8	16	2	1	62
Widowed	12	0	0	1	0	13
In a civil partnership/union	4	7	3	2	0	16
None of the aforementioned options	0	1	1	0	0	2
Category Total	426	291	452	92	44	1,305

Table SF7: Descriptive Statistics of Demographics.

4.2. Replication Analyses - MIQ and SOQ

As noted in Section 4.1, we conducted replication analyses, confirming that our findings align with established research and supporting the suitability of our data for developing the MGSI.
Jacobson and Joel (2018) practiced snowball sampling and recruited cisgender participants based on these three demographic questions:

- Sex at birth: female (male),

- Reared as: girl (boy),
- Current gender: woman (man).

In the study of Jacobson and Joel (2018), participants completed the MIQ and SOQ sequentially. In our study, the participants were pre-screened on Prolific.com to recruit a representative U.S. sample with regard to age, gender, and ethnicity. In total, we had three groups – cisgender female, cisgender male, and non-cisgender individuals – identified based on self-reported information provided during participant registration on Prolific.com. In contrast to Jacobson and Joel (2018), we did not have the classification of "mostly and exclusively hetero- and homosexual". However, we have additionally the following groups in our data: Non-binary individuals, transman, and transwoman – identified based on self-reported information provided during participation in our survey. Thus, we did not have the same selection options as Jacobson and Joel (2018). Also, we did not merge the answers of the groups of pan-, bi-, and asexual individuals into one category.

Identity	**Heterosexual**	**Bisexual**	**Homosexual**	**Pansexual**	**Asexual**	**Other**	**Total**
Woman	290	75	25	17	11	8	426
Non-binary	10	72	47	75	52	35	291
Man	297	78	47	17	10	3	452
Transman	7	32	20	13	13	7	92
Transwoman	3	18	9	7	5	2	44
Total	607	275	148	129	91	55	1,305

Table SF8: Demographic Overview: Sexual Orientations and Gender Identities.

The MIQ has 24 items that are either gender-neutral or presented twice, once as intended for a male participant and once intended for a female participant. We decided to use a more granular scale and ask five instead of two questions for those items at the MIQ that warranted two questions in the original questionnaire. For example, for the first item of the MIQ, we ask: "In the past 12 months, have you felt satisfied being a woman/man/transwoman/transman/non-binary?". For the data analysis, we consolidated the five gender-related items into a single variable, using gender as the primary categorization. For the analysis of the MIQ scale, we focused on the group born as female (male) and identifying as woman (man) following Jacobson and Joel (2018).
The SOQ has seven items, each in two versions, intended for a male participant and intended for a female participant. In our study, we have five participant groups, but for the data analysis, we consolidated the five gender-related items into a single variable, using gender as the primary categorization. For the analysis of the SOQ, we focused on the group born as female (male) and identifying as a woman (man) as did Jacobson and Joel (2018). The Likert-scale range is reverse coded in our survey compared to the study of Jacobson and Joel. Jacobson and Joel have "Never" (0) to "Always" (4), while we have "Always" (1) to "Never" (10) plus "Does not apply".
The number of observations for most variables is consistently 1,305, with a slight drop to 1,296 for MIQ9. This is due to missing data for MIQ9, as nine individuals selected "unspecified" for their sex registered at birth, and therefore, the MIQ9 question was not shown to them. The MIQ9 was linked to the sex registered at birth and if this was not selected as either female or male, the participant was not shown the MIQ9. For each SOQ variable, there are 1,305 observations, ensuring a consistent sample size across all items.

Measures

- In Jacobson and Joel (2018), the variable "feeling-as-a-woman" was a composite variable of "In the past 12 months, have you thought of yourself as a woman?" and "In the past 12 months, have you

felt more like a woman, than like a man?". In our paper, the item "In the past 12 months, have you thought of yourself as a woman?" was not included, but the supplementary expectation item "If you think about the self-perception of your gender, how much do you feel as a woman?" served as an alternative. For women, we reversed the responses of MIQ5 and created the variable MIQ5_r. Consequently, we assessed feeling-as-a-woman using the expectation item and MIQ5_r.

- In Jacobson and Joel (2018), "feeling-as-a-man" was a composite variable of "In the past 12 months, have you thought of yourself as a man?" and "In the past 12 months, have you felt more like a man, than like a woman?". In our paper, the variable "In the past 12 months, have you thought of yourself as a man?" was not included, but the supplementary expectation item "If you think about the self-perception of your gender, how much do you feel as a man?" served as an alternative. Consequently, we assessed feeling-as-a-man using the expectation item and MIQ5.
- In Jacobson and Joel (2018), the variable "feeling-as-both-genders" was a composite variable of "In the past 12 months, have you sometimes felt like a man and sometimes like a woman?" and "In the past 12 months, have you felt somewhere in between a woman and a man?". In our paper, we assessed the composite variable in the same way as Jacobson and Joel (2018).
- In Jacobson and Joel (2018), "feeling-as-neither-gender" was assessed using the item "In the past 12 months, have there been times when you have felt that you are neither a man nor a woman?". This item, however, was not included in our survey, and no similar question was given as an alternative.
- In Jacobson and Joel (2018), satisfied-being-a-woman/man was assessed using the items "In the past 12 months, have you felt satisfied being a woman/man". In our survey, we merged MIQ1a-e to MIQ1 as we assessed the item based on the self-affirmed gender. When inspecting the group of men, we first filtered the dataset by selecting entries labeled as men in the gender variable and then the entries in MIQ1 to map the question to the respective gender.
- In Jacobson and Joel (2018), the variables "wish-to-be-a-woman" and "wish-to-be-a-man" were assessed using the items "In the past 12 months, have you had the wish or desire to be a man/woman". In our study, these items (MIQ8a and MIQ8b) were not included in the analysis as we did not have data for all participants. The questions have been directed to particular groups, either women or men, and thus we could not merge them cleanly.
- In Jacobson and Joel (2018), the variable "dislike-my-body-to-its-form" was assessed using the items: "In the past 12 months, have you disliked your body because of its male/female form?" In our survey, we merged MIQ9a: "In the past 12 months, have you disliked your body because of its female form?" and MIQ9b: "In the past 12 months, have you disliked your body because of its male form?" to MIQ9.
- In Jacobson and Joel (2018), wish-to-have-the-body-of-the-other-sex was assessed using the item: "In the past 12 months, have you wished you had the body of the other sex?". In our survey, the item MIQ10a: "In the past 12 months, have you wished you had the physique or body characteristics typically associated with males?" and the item MIQ10b: "In the past 12 months, have you wished you had the physique or body characteristics typically associated with females?" were merged to MIQ10.
- Like Jacobson and Joel (2018), we calculated the composite same-sex as a mean of the SOQ1a-3a for men. The score was assessed for women as well, using SOQ1c-3c.
- Like Jacobson and Joel (2018), we calculated the composite other-sex as a mean of the SOQ1c-3c for men. We assessed the score for women as well, using SOQ1a-3a.

Mean and Standard Deviation: Jacobson and Joel (2018) calculated the mean and standard deviation (SD) of the composite scores of same-sex attraction and other-sex attraction in men and women across the sexual orientation groups.

	Same-sex		Other-sex	
Sexual Orientation	Mean	SD	Mean	SD
Asexual	4.33	3.28	3.20	2.94
Bisexual	5.90	2.87	4.45	2.79
Heterosexual	9.20	1.99	1.62	1.75
Homosexual	2.72	2.79	8.19	2.69
None of the aforementioned	5.89	3.89	4.00	2.85
Pansexual	5.59	2.89	4.49	2.85

Table SF9: Means and SD of composite scores for same- and other-sex interactions across sexual orientation in men.

Table SF9 shows the composite scores for same- and other-sex interactions of men across different sexual orientations. Heterosexual men have the highest scores for same-sex interactions, while their scores for other-sex interactions are very low. In contrast, homosexual men have higher scores for other-sex interactions compared to same-sex interactions. Bi- and pansexual men exhibit higher scores for same-sex interactions, although the differences are not as pronounced as those seen in hetero- and homosexual men.

	Same-sex		Other-sex	
Sexual Orientation	Mean	SD	Mean	SD
Asexual	7.33	3.20	5.24	3.72
Bisexual	6.41	2.87	3.08	2.53
Heterosexual	9.26	1.53	1.60	1.53
Homosexual	3.15	2.98	8.68	2.23
None of the aforementioned	5.96	3.82	5.79	4.50
Pansexual	5.59	3.15	3.31	3.00

Table SF10: Means and SD of composite scores for same- and other-sex interactions across sexual orientation in women.

Table SF10 states the composite scores for same- and other-sex interactions of women across different sexual orientations. Asexual women have higher scores for same-sex interactions compared to their scores for other-sex interactions. Similarly, bisexual women exhibit higher scores for same-sex interactions than for other-sex interactions. In contrast, heterosexual women report very high scores for same-sex interactions but very low scores for other-sex interactions. Homosexual women show lower scores for same-sex interactions but much higher scores for other-sex interactions. Pansexual women display relatively balanced scores between same-sex and other-sex interactions, with slightly higher means and greater variability for same-sex interactions.

Binary Response Patterns

Jacobson and Joel (2018) report the proportion of participants with a binary response pattern in each sexual orientation group. Many participants had what may be termed "queer" feelings, such as feeling both as a man and as a woman (38%) or as neither (35%), wishing to be the "other" gender (38%), or wishing to have the body of the "other" sex (35%). On the other hand, there were many individuals who had what may be viewed as a "binary" response pattern, such as always feeling like a man and never feeling

like a woman. Thus, a completely binary response pattern for a woman would be: always feeling-like-a-woman, never feeling-like-a-man, never feeling-as-both-genders, never feeling-as-neither-gender, never wishing-to-be-the-"other"-gender, and never wishing-to-have-the-body-of-the-"other"-sex. In our study, Tables SF11 and SF12 present, for men and women, grouped by sexual orientation groups, the proportion of participants with a completely binary response pattern over aspects of gender identity relevant to this binary–non-binary distinction. Thus, a completely binary response pattern for a woman would be: always feeling like a woman, never feeling like a man, never feeling as both genders and never wishing to have the body of the "other" sex. As in Jacobson and Joel (2018), many participants had what may be termed "queer" feelings. As our Likert scale has 11 options, compared to Jacobson and Joel (2018), we mapped 1 and 2 to "Always", and 9 and 10 to "Never".

Sexual Orientation	**Total Count**	**Binary**	**Percentage**
Heterosexual	290	184	43.19
Bisexual	75	32	7.51
Homosexual	25	6	1.41
Pansexual	17	2	0.47
Asexual	11	1	0.23
None of the aforementioned options	8	2	0.47

Table SF11: Binary Response Patterns Across Sexual Orientations Among Women.

Sexual Orientation	**Total Count**	**Binary**	**Percentage**
Heterosexual	297	211	46.68
Bisexual	78	25	5.53
Homosexual	47	13	2.88
Pansexual	17	3	0.66
Asexual	10	1	0.22
None of the aforementioned options	3	0	0.00

Table SF12: Binary Response Patterns Across Sexual Orientations Among Men.

Correlation coefficients: In Jacobson and Joel (2018), the correlation coefficients between the composite variables "same-and-other-sex attraction" and "feeling-as-affirmed-gender", "feeling-as-the-other-gender", "feeling-as-both-genders", and "feeling-as-neither-gender" for men and for women, were calculated separately over the entire sample, for the exclusively heterosexual, mostly heterosexual, and bisexual groups (the ExcHet-Bi sub-sample), and over the bisexual, mostly homosexual, and exclusively homosexual groups (the Bi-ExcHom sub-sample). The correlations were small, with none (out of 48) exceeding 0.30. In our study, we calculated the correlations between the composite variables "same-and-other-sex attraction" and "feeling-as-affirmed-gender", "feeling-as-the-other-gender", and the MIQ variables for men and for women and over the sexual orientation groups separately (see Tables SF13, SF14, SF15, SF16, SF17, SF18, SF19, SF20, SF21, SF22, SF23 and SF24).

	Same-sex	Other-sex	MIQ1	MIQ3	MIQ4	MIQ5	MIQ6	MIQ7	MIQ9	MIQ10	feeling-as-woman	feeling-as-man	feeling-both-genders
Same-sex	1.000	-0.514	-0.110	-0.131	0.147	0.179	0.120	0.158	0.203	0.320	-0.207	0.153	0.144
Other-sex		1.000	0.134	0.131	-0.144	-0.220	-0.215	-0.257	-0.188	-0.333	0.270	-0.230	-0.244
MIQ1			1.000	0.314	-0.069	-0.419	-0.344	-0.375	-0.330	-0.276	0.535	-0.418	-0.371
MIQ3				1.000	-0.468	-0.220	-0.112	-0.142	-0.087	-0.070	0.246	-0.185	-0.132
MIQ4					1.000	0.193	0.201	0.224	0.081	0.104	-0.160	0.206	0.219
MIQ5						1.000	0.562	0.619	0.389	0.416	-0.869	0.856	0.610
MIQ6							1.000	0.881	0.437	0.547	-0.557	0.665	0.968
MIQ7								1.000	0.430	0.572	-0.620	0.730	0.972
MIQ9									1.000	0.693	-0.454	0.444	0.447
MIQ10										1.000	-0.471	0.473	0.577
feeling-as-woman											1.000	-0.799	-0.607
feeling-as-man												1.000	0.720
feeling-both-genders													1.000

Table SF13: Correlation Matrix of MIQ Variables for Women.

	Same-sex	Other-sex	MIQ1	MIQ3	MIQ4	MIQ5	MIQ6	MIQ7	MIQ9	MIQ10	feeling-as-woman	feeling-as-man	feeling-both-genders
Same-sex	1.000	-0.497	-0.136	0.088	-0.064	-0.134	0.127	0.201	0.425	0.447	0.156	-0.164	0.171
Other-sex		1.000	0.132	-0.098	0.158	0.216	-0.129	-0.213	-0.316	-0.327	-0.191	0.263	-0.178
MIQ1			1.000	-0.282	0.572	0.341	-0.258	-0.275	-0.214	-0.173	-0.401	0.489	-0.279
MIQ3				1.000	-0.404	-0.422	0.406	0.397	0.243	0.211	0.419	-0.431	0.422
MIQ4					1.000	0.371	-0.311	-0.242	-0.142	-0.087	-0.361	0.498	-0.292
MIQ5						1.000	-0.498	-0.519	-0.332	-0.294	-0.840	0.814	-0.534
MIQ6							1.000	0.814	0.336	0.325	0.627	-0.545	0.955
MIQ7								1.000	0.418	0.401	0.670	-0.567	0.949
MIQ9									1.000	0.819	0.354	-0.369	0.394
MIQ10										1.000	0.319	-0.316	0.380
feeling-as-woman											1.000	-0.782	0.681
feeling-as-man												1.000	-0.583
feeling-both-genders													1.000

Table SF14: Correlation Matrix of MIQ Variables for Men.

	Same-sex	Other-sex	MIQ1	MIQ3	MIQ4	MIQ5	MIQ6	MIQ7	MIQ9	MIQ10	feeling-as-woman	feeling-as-man	feeling-both-genders
Same-sex	1.000	-0.022	-0.105	-0.104	0.107	0.012	0.058	0.032	0.064	-0.004	-0.022	-0.007	0.047
Other-sex		1.000	0.195	0.106	-0.092	-0.179	-0.187	-0.209	-0.149	-0.142	0.247	-0.238	-0.205
MIQ1			1.000	0.357	-0.157	-0.429	-0.311	-0.370	-0.285	-0.286	0.538	-0.426	-0.353
MIQ3				1.000	-0.430	-0.253	-0.112	-0.169	-0.154	-0.130	0.291	-0.186	-0.146
MIQ4					1.000	0.227	0.217	0.250	0.177	0.181	-0.184	0.223	0.242
MIQ5						1.000	0.526	0.604	0.380	0.450	-0.855	0.821	0.586
MIQ6							1.000	0.866	0.417	0.668	-0.504	0.667	0.965
MIQ7								1.000	0.420	0.686	-0.592	0.755	0.967
MIQ9									1.000	0.618	-0.420	0.476	0.433
MIQ10										1.000	-0.469	0.552	0.701
feeling-as-woman											1.000	-0.774	-0.568
feeling-as-man												1.000	0.737
feeling-both-genders													1.000

Table SF15: Correlation Matrix of MIQ Variables for Heterosexual Women.

	Same-sex	Other-sex	MIQ1	MIQ3	MIQ4	MIQ5	MIQ6	MIQ7	MIQ9	MIQ10	feeling-as-woman	feeling-as-man	feeling-both-genders
Same-sex	1.000	0.088	-0.275	0.057	-0.168	-0.137	0.175	0.152	0.227	0.200	0.177	-0.176	0.173
Other-sex		1.000	0.209	-0.034	0.242	0.187	-0.083	-0.117	-0.076	-0.057	-0.170	0.283	-0.104
MIQ1			1.000	-0.170	0.537	0.233	-0.146	-0.192	-0.299	-0.227	-0.296	0.408	-0.176
MIQ3				1.000	-0.282	-0.315	0.346	0.358	0.266	0.215	0.279	-0.310	0.369
MIQ4					1.000	0.290	-0.231	-0.183	-0.209	-0.124	-0.258	0.435	-0.219
MIQ5						1.000	-0.410	-0.420	-0.359	-0.311	-0.773	0.762	-0.435
MIQ6							1.000	0.814	0.358	0.298	0.574	-0.419	0.959
MIQ7								1.000	0.427	0.340	0.638	-0.436	0.945
MIQ9									1.000	0.710	0.405	-0.408	0.410
MIQ10										1.000	0.374	-0.339	0.333
feeling-as-woman											1.000	-0.670	0.634
feeling-as-man												1.000	-0.448
feeling-both-genders													1.000

Table SF16: Correlation Matrix of MIQ Variables for Heterosexual Men.

	Same-sex	Other-sex	MIQ1	MIQ3	MIQ4	MIQ5	MIQ6	MIQ7	MIQ9	MIQ10	feeling-as-woman	feeling-as-man	feeling-both-genders
Same-sex	1.000	0.318	-0.068	-0.311	0.375	-0.133	-0.076	-0.034	0.174	0.090	-0.037	0.218	-0.055
Other-sex		1.000	-0.096	0.042	-0.163	-0.607	-0.619	-0.549	-0.286	-0.524	0.609	-0.348	-0.587
MIQ1			1.000	0.509	-0.040	0.052	-0.067	-0.144	-0.388	-0.270	0.275	0.205	-0.107
MIQ3				1.000	-0.624	-0.177	-0.260	-0.279	0.084	0.142	0.272	-0.318	-0.271
MIQ4					1.000	0.326	0.324	0.345	-0.089	0.013	-0.367	0.467	0.336
MIQ5						1.000	0.931	0.943	0.153	0.051	-0.890	0.866	0.943
MIQ6							1.000	0.978	0.193	0.179	-0.871	0.805	0.994
MIQ7								1.000	0.298	0.187	-0.919	0.808	0.995
MIQ9									1.000	0.834	-0.492	-0.014	0.247
MIQ10										1.000	-0.390	-0.158	0.184
feeling-as-woman											1.000	-0.702	-0.900
feeling-as-man												1.000	0.811
feeling-both-genders													1.000

Table SF17: Correlation Matrix of MIQ Variables for Asexual Women.

	Same-sex	Other-sex	MIQ1	MIQ3	MIQ4	MIQ5	MIQ6	MIQ7	MIQ9	MIQ10	feeling-as-woman	feeling-as-man	feeling-both-genders
Same-sex	1.000	0.738	0.050	0.390	-0.307	0.469	-0.357	-0.348	0.607	0.616	-0.550	0.557	-0.359
Other-sex		1.000	-0.285	0.363	-0.346	0.514	-0.245	-0.330	0.133	0.148	-0.051	0.525	-0.300
MIQ1			1.000	-0.743	0.607	0.166	-0.087	0.016	0.054	0.146	-0.515	0.211	-0.028
MIQ3				1.000	-0.926	-0.235	0.253	0.114	0.286	0.331	0.037	-0.173	0.175
MIQ4					1.000	0.413	-0.555	-0.386	-0.140	-0.325	-0.126	0.330	-0.466
MIQ5						1.000	-0.836	-0.917	-0.054	-0.259	-0.491	0.982	-0.902
MIQ6							1.000	0.916	-0.196	0.126	0.423	-0.778	0.971
MIQ7								1.000	0.030	0.313	0.432	-0.881	0.985
MIQ9									1.000	0.920	-0.314	-0.001	-0.066
MIQ10										1.000	-0.270	-0.164	0.240
feeling-as-a-woman											1.000	-0.573	0.438
feeling-as-a-man												1.000	-0.856
feeling-as-both-genders													1.000

Table SF18: Correlation Matrix of MIQ Variables for Asexual Men.

	Same-sex	Other-sex	MIQ1	MIQ3	MIQ4	MIQ5	MIQ6	MIQ7	MIQ9	MIQ10	feeling-as-woman	feeling-as-man	feeling-both-genders
Same-sex	1.000	-0.175	0.442	-0.191	0.261	-0.115	-0.054	0.009	0.193	0.476	0.222	-0.193	-0.020
Other-sex		1.000	0.016	-0.097	0.241	0.071	0.090	0.090	-0.122	-0.388	0.062	0.051	0.096
MIQ1			1.000	0.027	0.317	-0.437	-0.468	-0.399	-0.147	-0.062	0.707	-0.462	-0.455
MIQ3				1.000	-0.711	-0.064	0.052	0.024	0.359	0.126	0.183	0.018	0.039
MIQ4					1.000	0.077	-0.118	-0.047	-0.484	-0.263	0.103	0.020	-0.083
MIQ5						1.000	0.779	0.661	0.352	0.319	-0.862	0.962	0.756
MIQ6							1.000	0.778	0.681	0.540	-0.626	0.767	0.929
MIQ7								1.000	0.372	0.213	-0.544	0.743	0.956
MIQ9									1.000	0.810	-0.252	0.350	0.539
MIQ10										1.000	-0.240	0.205	0.379
feeling-as-woman											1.000	-0.836	-0.615
feeling-as-man												1.000	0.799
feeling-both-genders													1.000

Table SF19: Correlation Matrix of MIQ Variables for Pansexual Women.

	Same-sex	Other-sex	MIQ1	MIQ3	MIQ4	MIQ5	MIQ6	MIQ7	MIQ9	MIQ10	feeling-as-woman	feeling-as-man	feeling-both-genders
Same-sex	1.000	-0.227	-0.093	0.014	-0.122	0.421	-0.138	-0.216	-0.261	-0.021	-0.424	0.387	-0.180
Other-sex		1.000	-0.030	-0.243	0.207	0.229	0.042	0.056	-0.005	-0.128	-0.205	0.250	0.050
MIQ1			1.000	-0.467	0.656	0.465	-0.075	-0.120	-0.097	-0.015	-0.410	0.254	-0.099
MIQ3				1.000	-0.361	-0.290	0.206	0.260	0.445	0.371	0.269	-0.318	0.236
MIQ4					1.000	0.463	-0.195	-0.106	-0.166	-0.107	-0.420	0.302	-0.150
MIQ5						1.000	-0.468	-0.553	-0.141	-0.099	-0.988	0.933	-0.516
MIQ6							1.000	0.971	0.233	0.304	0.511	-0.610	0.992
MIQ7								1.000	0.253	0.321	0.591	-0.681	0.993
MIQ9									1.000	0.818	0.137	-0.181	0.245
MIQ10										1.000	0.086	-0.189	0.315
feeling-as-woman											1.000	-0.947	0.557
feeling-as-man												1.000	-0.652
feeling-both-genders													1.000

Table SF20: Correlation Matrix of MIQ Variables for Pansexual Men.

	Same-sex	Other-sex	MIQ1	MIQ3	MIQ4	MIQ5	MIQ6	MIQ7	MIQ9	MIQ10	feeling-as-woman	feeling-as-man	feeling-both-genders
Same-sex	1.000	-0.429	-0.200	-0.169	-0.008	0.313	0.123	0.068	0.247	0.315	-0.269	0.208	0.096
Other-sex		1.000	0.317	0.018	0.099	-0.141	-0.185	-0.174	-0.198	-0.307	0.214	-0.138	-0.184
MIQ1			1.000	0.251	0.136	-0.421	-0.438	-0.381	-0.361	-0.245	0.473	-0.480	-0.418
MIQ3				1.000	-0.435	-0.143	-0.029	-0.020	0.026	0.034	0.080	-0.114	-0.025
MIQ4					1.000	0.080	0.129	0.147	0.056	0.098	-0.129	0.112	0.142
MIQ5						1.000	0.486	0.500	0.355	0.349	-0.868	0.897	0.505
MIQ6							1.000	0.908	0.559	0.495	-0.597	0.590	0.974
MIQ7								1.000	0.485	0.519	-0.585	0.614	0.979
MIQ9									1.000	0.730	-0.398	0.395	0.532
MIQ10										1.000	-0.404	0.417	0.520
feeling-as-woman											1.000	-0.837	-0.605
feeling-as-man												1.000	0.617
feeling-both-genders													1.000

Table SF21: Correlation Matrix of MIQ Variables for Bisexual Women.

	Same-sex	Other-sex	MIQ1	MIQ3	MIQ4	MIQ5	MIQ6	MIQ7	MIQ9	MIQ10	feeling-as-woman	feeling-as-man	feeling-both-genders
Same-sex	1.000	-0.140	0.158	-0.016	0.132	0.078	-0.028	0.029	0.246	0.304	-0.021	0.045	-0.001
Other-sex		1.000	0.006	-0.119	0.183	0.043	0.001	0.061	-0.081	-0.053	0.005	0.034	0.031
MIQ1			1.000	-0.533	0.522	0.500	-0.460	-0.426	-0.110	-0.113	-0.529	0.596	-0.460
MIQ3				1.000	-0.617	-0.599	0.519	0.467	0.207	0.218	0.670	-0.650	0.512
MIQ4					1.000	0.442	-0.454	-0.269	-0.041	-0.006	-0.444	0.546	-0.379
MIQ5						1.000	-0.632	-0.636	-0.188	-0.204	-0.913	0.853	-0.656
MIQ6							1.000	0.867	0.286	0.247	0.738	-0.715	0.970
MIQ7								1.000	0.369	0.350	0.762	-0.688	0.962
MIQ9									1.000	0.780	0.227	-0.194	0.336
MIQ10										1.000	0.229	-0.182	0.306
feeling-as-woman											1.000	-0.883	0.776
feeling-as-man												1.000	-0.726
feeling-both-genders													1.000

Table SF22: Correlation Matrix of MIQ Variables for Bisexual Men.

	Same-sex	Other-sex	MIQ1	MIQ3	MIQ4	MIQ5	MIQ6	MIQ7	MIQ9	MIQ10	feeling-as-woman	feeling-as-man	feeling-both-genders
Same-sex	1.000	-0.202	-0.115	-0.117	0.218	0.193	0.117	0.198	0.120	0.222	-0.277	0.282	0.168
Other-sex		1.000	-0.544	0.241	-0.392	0.119	-0.173	-0.186	0.363	0.224	-0.280	0.207	-0.187
MIQ1			1.000	0.300	0.047	-0.448	-0.138	-0.188	-0.517	-0.315	0.641	-0.468	-0.172
MIQ3				1.000	-0.529	-0.115	0.002	0.032	0.072	0.170	0.202	-0.067	0.020
MIQ4					1.000	-0.002	0.264	0.235	-0.361	-0.371	0.053	-0.011	0.256
MIQ5						1.000	0.205	0.452	0.374	0.329	-0.927	0.933	0.355
MIQ6							1.000	0.863	-0.133	0.124	-0.159	0.358	0.956
MIQ7								1.000	-0.051	0.231	-0.351	0.538	0.973
MIQ9									1.000	0.703	-0.550	0.443	-0.090
MIQ10										1.000	-0.450	0.500	0.191
feeling-as-woman											1.000	-0.921	-0.276
feeling-as-man												1.000	0.475
feeling-both-genders													1.000

Table SF23: Correlation Matrix of MIQ Variables for Homosexual Women.

	Same-sex	Other-sex	MIQ1	MIQ3	MIQ4	MIQ5	MIQ6	MIQ7	MIQ9	MIQ10	feeling-as-woman	feeling-as-man	feeling-both-genders
Same-sex	1.000	-0.290	0.356	-0.342	0.531	0.241	-0.483	-0.318	-0.062	-0.092	-0.353	0.381	-0.436
Other-sex		1.000	-0.245	0.115	-0.229	-0.062	0.289	0.076	0.084	0.102	0.228	-0.229	0.200
MIQ1			1.000	-0.280	0.732	0.365	-0.360	-0.359	-0.063	-0.016	-0.458	0.613	-0.389
MIQ3				1.000	-0.506	-0.606	0.643	0.554	0.235	0.221	0.723	-0.668	0.649
MIQ4					1.000	0.442	-0.359	-0.311	-0.028	0.070	-0.523	0.661	-0.363
MIQ5						1.000	-0.533	-0.545	-0.406	-0.294	-0.933	0.852	-0.583
MIQ6							1.000	0.708	0.324	0.372	0.682	-0.630	0.928
MIQ7								1.000	0.332	0.331	0.648	-0.618	0.920
MIQ9									1.000	0.729	0.389	-0.412	0.354
MIQ10										1.000	0.284	-0.256	0.381
feeling-as-woman											1.000	-0.925	0.720
feeling-as-man												1.000	-0.675
feeling-both-genders													1.000

Table SF24: Correlation Matrix of MIQ Variables for Homosexual Men.

Cohen's d: Jacobson and Joel (2018) stated that the weak relation between sexual orientation and gender identity was also evident in the effect size of the differences between the five sexual orientation groups within each gender. In our study, we show in Table SF25 that for MIQ1, we cannot identify significant differences between men and women across any sexual orientation groups. In contrast, MIQ3 showed significant differences between men and women for hetero-, bi-, homo-, and pansexual orientations. Only the group of individuals identifying with an asexual orientation did not show a significant difference. For MIQ4, we observed significant differences for hetero- and bisexual groups, with large negative Cohen's d values, indicating that women scored lower than men. Homo-, pan-, and asexual groups did not show significant differences. MIQ5 showed significant differences between men and women across all sexual orientations, all with p-values less than 0.01. For MIQ9, a significant difference was observed only for heterosexual orientation. Other sexual orientation groups did not show significant differences. When considering the variable "feeling-as-a-woman," significant differences between men and women were identified for all sexual orientations, with large positive Cohen's d values indicating that women scored higher than men.

Item	**Sexual Orientation**	**Cohen's d**	**p-value**	$\alpha < 0.01$
MIQ1	Heterosexual	0.0374	0.6528	No
MIQ1	Bisexual	0.1903	0.2906	No
MIQ1	Homosexual	0.4627	0.1435	No
MIQ1	Pansexual	0.0592	0.9009	No
MIQ1	Asexual	0.1879	0.7563	No
MIQ3	Heterosexual	1.9047	0.0000	**Yes**
MIQ3	Bisexual	1.9161	0.0000	**Yes**
MIQ3	Homosexual	1.3153	0.0001	**Yes**
MIQ3	Pansexual	1.3731	0.0090	**Yes**
MIQ3	Asexual	0.6606	0.2860	No
MIQ4	Heterosexual	-1.5706	0.0000	**Yes**
MIQ4	Bisexual	-1.2535	0.0000	**Yes**
MIQ4	Homosexual	-0.3888	0.2171	No
MIQ4	Pansexual	-0.8229	0.0962	No
MIQ4	Asexual	-0.3018	0.6192	No
MIQ5	Heterosexual	-4.3811	0.0000	**Yes**
MIQ5	Bisexual	-2.7649	0.0000	**Yes**
MIQ5	Homosexual	-3.7797	0.0000	**Yes**
MIQ5	Pansexual	-3.3205	0.0000	**Yes**
MIQ5	Asexual	-2.0337	0.0049	**Yes**
MIQ9	Heterosexual	0.2793	0.0008	**Yes**
MIQ9	Bisexual	-0.2145	0.2340	No
MIQ9	Homosexual	-0.0432	0.8898	No
MIQ9	Pansexual	-0.0441	0.9261	No
MIQ9	Asexual	0.2180	0.7189	No
MIQ10	Heterosexual	0.0330	0.6908	No
MIQ10	Bisexual	-0.2455	0.1736	No
MIQ10	Homosexual	-0.0546	0.8612	No
MIQ10	Pansexual	-0.8303	0.0935	No
MIQ10	Asexual	0.2119	0.7264	No
feeling-as-both-genders	Heterosexual	0.0350	0.6735	No
feeling-as-both-genders	Bisexual	-0.1875	0.2978	No
feeling-as-both-genders	Homosexual	0.0715	0.8189	No
feeling-as-both-genders	Pansexual	-0.0078	0.9869	No
feeling-as-both-genders	Asexual	0.0846	0.8887	No
feeling-as-a-woman	Heterosexual	5.6013	0.0000	**Yes**
feeling-as-a-woman	Bisexual	3.6981	0.0000	**Yes**
feeling-as-a-woman	Homosexual	4.0895	0.0000	**Yes**

Item	Sexual Orientation	Cohen's d	p-value	$\alpha < 0.01$
feeling-as-a-woman	Pansexual	3.2560	0.0000	**Yes**
feeling-as-a-woman	Asexual	2.5844	0.0009	**Yes**
feeling-as-a-man	Heterosexual	0.0341	0.6814	No
feeling-as-a-man	Bisexual	0.2981	0.0990	No
feeling-as-a-man	Homosexual	0.0472	0.8797	No
feeling-as-a-man	Pansexual	-0.3777	0.4309	No
feeling-as-a-man	Asexual	-0.3333	0.5836	No

Table SF25: Effect Sizes (Cohen's d) and p-Values for Men and Women by Sexual Orientation.

- The items "wish-to-be-a-woman/man" of Jacobson and Joel (2018): In the past 12 months, have you had the wish or desire to be a man/woman?, were not included in our analysis.
- The items "dislike-my-body-to-its-form" of Jacobson and Joel (2018): In the past 12 months, have you disliked your body because of its male/female form?, was represented by MIQ9a and MIQ9b in our study and merged to MIQ9. When inspecting the group of men, we first selected the gender and then the entries in MIQ9.
- The item "wish-to-have-the-body-of-the-other-sex" of Jacobson and Joel (2018): In the past 12 months, have you wished you had the body of the other sex?, was represented by MIQ10a and MIQ10b in our study and merged to MIQ10. When inspecting the group of men, we first selected the gender and then the entries in MIQ10.

Method: Jacobson and Joel (2018) did not conduct EFA or CFA. However, we conducted EFA to explore the underlying structure of the MIQ and SOQ items. First, we computed the KMO Measure of Sampling Adequacy resulting in 0.677.

Number of Factors: To determine the optimal number of factors, we computed the following factor retention methods (a) EKC and (b) PA. Both methods suggest that the optimal number of factors is two for MIQ, resulting in a cumulative variance explained of 0.52. Factor 1 has an eigenvalue (variance explained) of 2.35 (0.29) and Factor 2 of 1.79 (0.22). Table SF26 shows that the loadings of MIQ1 and MIQ3 are negative in both factors, indicating that they are not related to the remaining MIQ items. MIQ6–7 and MIQ9–10 load onto Factor 1, which refers to feeling as a man and a woman and wishing to have the body of the other sex. MIQ4–5 load onto Factor 2, which refers to the desire to be and dress like a man.

Item	F1	F2
MIQ1	-0.348	0.041
MIQ3	0.055	-0.807
MIQ4	0.017	0.762
MIQ5	0.055	0.737
MIQ6	0.717	-0.063
MIQ7	0.783	-0.054
MIQ9	0.747	0.034
MIQ10	0.734	0.095

Table SF26: Factor Loadings for $n = 2$ Factors (Oblimin Rotation) of MIQ Variables.

We repeated the factor retention methods (a) EKC and (b) PA for the SOQ items. The EKC suggests that the optimal number of factors is four and PA three, resulting in a cumulative variance explained of

0.69 for three factors. Factor 1 has an eigenvalue (variance explained) of 4.52 (0.30), Factor 2 of 3.49 (0.23) and Factor 3 of 2.35 (0.16). Table SF27 shows that the loadings of SOQ1a–3a, relating to sexual relationship with men, load onto one factor. Items relating to relationships with women and non-cisgender individuals converge onto one factor, such as SOQ1b–e and SOQ2b–e load onto one factor and SOQ3b–e load onto another factor.

Item	F1	F2	F3
SOQ1a	0.338	0.805	-0.083
SOQ1b	0.764	0.105	0.098
SOQ1c	0.447	-0.708	-0.090
SOQ1d	0.775	-0.007	0.107
SOQ1e	0.634	0.006	0.274
SOQ2a	-0.003	0.819	0.183
SOQ2b	0.110	0.140	0.754
SOQ2c	0.063	-0.759	0.280
SOQ2d	0.096	-0.093	0.827
SOQ2e	0.039	-0.040	0.895
SOQ3a	0.433	0.762	-0.105
SOQ3b	0.869	0.085	0.026
SOQ3c	0.574	-0.678	-0.151
SOQ3d	0.864	0.002	0.038
SOQ3e	0.755	-0.002	0.190

Table SF27: Factor Loadings for $n = 3$ Factors (Oblimin Rotation) of SOQ Variables.

Key Findings:
Our findings replicate the previous results that even participants who self-identify in "normative" ways (i.e., female-woman, male-man) may experience themselves also as the "other" gender or wish to be the "other" gender. The study of Jacobson and Joel (2018) shows that variability in gender identity is only weakly related to sexual orientation, shown in the low correlations between the different aspects of gender identity and "same-and-other-sex-attraction". Also, in our study, the correlations between the different aspects of gender identity and "same-and-other-sex-attraction" for the group of men and women were low (see Tables SF13 – SF24). In line with the study of Jacobson and Joel (2018), many cisgender individuals in our study had quite "queer" feelings, feeling to some degree as the "other" gender and wishing at least sometimes that they had the body of the "other" sex. On the other hand, the percentage of individuals who were completely "binary" in their responses across all aspects of gender identity was 25.50% in the study of Jacobson and Joel (2018) while in our study about 50% of the heterosexuals had completely binary responses, see Tables SF11 and SF12.

4.3. Replication Analyses - TCS

Kozee et al. (2012) used additional scales besides the TCS, such as the Meaning in Life Questionnaire, Satisfaction with Life scale, Body Shape Questionnaire, Beck Anxiety Inventory and Beck Depression Inventory II. Kozee et al. (2012) recruited transgender participants and sent an e-mail describing the study to directors of Lesbian/Gay/Bisexual/ Transgender/Questioning organizations and support groups at universities, colleges, and community centers throughout the U.S.
Kozee et al. (2012) stated that they recruited only transgender individuals, and therefore, we did the analyses for this subscale twice, once including all individuals and once the non-binary individuals, since they are the largest group of non-cisgender individuals. Four of the 15 TCS items were designed to be reverse-scored in the study of Kozee et al. (2012). In our study, we do not have the four items of the

TCS that need to be reverse coded (see section 3 for details). Kozee et al. (2012) used a 5-point Likert scale (1= strongly disagree and 5= strongly agree) which is reversed to our study.

Correlation matrix for men and women:
Table SF28 shows the correlation coefficients of the composite variables "same-sex", "other-sex", and the five TCS variables (TCS1–TCS5) for men. The composite variable "other-sex" shows positive correlations with all TCS items, while "same-sex" shows negative correlations with all TCS items. Among the TCS items, we find strong positive correlations within the group of men, with values mostly above 0.60.

	Same-sex	Other-sex	TCS1	TCS2	TCS3	TCS4	TCS5
Same-sex	1.000	-0.402	-0.186	-0.226	-0.219	-0.167	-0.195
Other-sex		1.000	0.285	0.349	0.276	0.277	0.340
TCS1			1.000	0.716	0.568	0.629	0.739
TCS2				1.000	0.719	0.739	0.680
TCS3					1.000	0.644	0.601
TCS4						1.000	0.767
TCS5							1.000

Table SF28: Correlation Matrix of TCS Variables for Men.

Table SF29 shows the correlation coefficients of the composite variables "same-sex", "other-sex", and the five TCS variables (TCS1–TCS5) for women. The items have lower correlation coefficients compared to Table SF28.

	Same-sex	Other-sex	TCS1	TCS2	TCS3	TCS4	TCS5
Same-sex	1.000	-0.496	-0.225	-0.108	-0.069	-0.059	-0.065
Other-sex		1.000	0.259	0.214	0.252	0.211	0.208
TCS1			1.000	0.518	0.422	0.500	0.434
TCS2				1.000	0.628	0.581	0.475
TCS3					1.000	0.664	0.564
TCS4						1.000	0.720
TCS5							1.000

Table SF29: Correlation Matrix of TCS Variables for Women.

Table SF30 presents the means and SD for TCS items for the entire sample, providing insights into the average scores and the variability of responses. TCS1, TCS2, and TCS3 have mean scores of 3.07, 3.37, and 3.52, respectively, indicating a trend of increasing average responses but high variability in participant scores, while TCS4 and TCS5 show lower means of 2.42 and 1.81 with more consistent responses, particularly TCS5, which also has the lowest standard deviation of 1.65.

	Mean	SD
TCS1	3.07	2.61
TCS2	3.37	2.67
TCS3	3.52	2.89
TCS4	2.42	2.08
TCS5	1.81	1.65

Table SF30: Mean and Standard Deviation of TCS Variables (Entire Sample).

Kruskal Wallis Test: The Kruskal-Wallis test results, see Table SF31, reveal significant gender differences for TCS2, TCS3, and TCS5, with respective H statistics and p-values of 3.991 (p=0.046), 4.574 (p=0.032), and 5.148 (p=0.023). In contrast, TCS1 and TCS4 show no significant differences, with H statistics of 3.341 (p=0.068) and 2.905 (p=0.088).

	Kruskal-Wallis H Statistic	-value
TCS1	3.341	0.068
TCS2	3.991	0.046
TCS3	4.574	0.032
TCS4	2.905	0.088
TCS5	5.148	0.023

Table SF31: Kruskal-Wallis H Test for TCS Comparison Between Women and Men.

Method: Kozee et al. (2012) conducted EFA and CFA. We, however, conducted EFA to explore the underlying structure of the TCS items, as we do not have the additional scales used by Kozee et al. (2012). We performed several data quality checks prior to conducting the factor analysis. The results indicate that the Bartlett's Test Chi-Square was 4299.70 with a significance level of $p < 0.001$. Additionally, the KMO Measure of Sampling Adequacy yielded a value of 0.796. It indicates that the sampling is adequate for conducting factor analysis, as values above 0.60 are considered acceptable. These results support the suitability of the data for factor analysis.

Number of Factors: To determine the optimal number of factors, we computed (a) EKC and (b) PA as factor retention methods. Both methods suggest that the optimal number of factors is one, resulting in a cumulative variance explained of 0.62. Factor 1 has an eigenvalue (variance explained) of 3.11 (0.62). Table SF32 shows that the loadings of the items are negative, indicating that they are all strongly influenced by this single factor in the same direction (negatively).

Item	F1
TCS1	-0.777
TCS2	-0.880
TCS3	-0.852
TCS4	-0.758
TCS5	-0.654

Table SF32: Factor Loadings for $n = 1$ Factors (Oblimin Rotation) of TCS Variables.

Even though the factor retention methods both suggest that one factor is sufficient, we inspected the factor loadings with two and three factors to explore the underlying pattern. When considering two factors, we can see that the five TCS items load strongly on Factor 1 (TCS1-3) and Factor 2 (TCS4-5), resulting in a cumulative variance explained of 0.74. Factor 1 has an eigenvalue (variance explained) of 2.21 (0.44) and Factor 2 has an eigenvalue (variance explained) of 1.49 (0.30).

When considering three factors, as in Table SF34, we can see that the five TCS items load strongly on Factor 1 and 2, and thus Factor 3 is redundant, resulting in a cumulative variance explained of 0.75. Factor 1 has an eigenvalue (variance explained) of 2.21 (0.44), Factor 2 has an eigenvalue (variance explained) of 1.47 (0.29), and Factor 3 has an eigenvalue (variance explained) of 0.08 (0.02). Therefore, two factors are sufficient to capture the main patterns in the data. This suggests that these items share a common underlying construct, which represents the Appearance Congruence factor of Kozee et al. (2012) in Factor 1. Factor 2 also explains a significant proportion of the variance, with high loadings of the

Item	F1	F2
TCS1	0.795	0.017
TCS2	0.998	-0.055
TCS3	0.758	0.128
TCS4	-0.016	0.991
TCS5	0.070	0.700

Table SF33: Factor Loadings for $n = 2$ Factors (Oblimin Rotation) of TCS Variables.

Item	F1	F2	F3
TCS1	0.841	0.017	-0.171
TCS2	0.961	-0.034	0.039
TCS3	0.755	-0.112	0.148
TCS4	0.067	0.833	0.117
TCS5	-0.034	0.871	-0.106

Table SF34: Factor Loadings for $n = 3$ Factors (Oblimin Rotation) of TCS Variables.

items TCS4 and TCS5, indicating that these items are related to a different underlying construct, which represents the Gender Identity Appearance factor of Kozee et al. (2012).

Principal Component Analysis: Table SF35 shows that Principal Component (PC) 1 has high positive loadings of TCS 1, 2, 3, 4 and 5. PC2 shows that TCS 4 and 5 have positive loadings compared to TCS 1,2 and 3. However, TCS 1, 2 and 3 have negative and low loadings on PC2, indicating a weaker association with this component. The PCA analysis shows that most of the information content of the TCS items can be summarized in one component.

Item	PC1	PC2	PC3
TCS1	0.827	-0.349	0.399
TCS2	0.888	-0.319	-0.059
TCS3	0.873	-0.235	-0.327
TCS4	0.823	0.420	-0.171
TCS5	0.744	0.580	0.199

Table SF35: PCA Component Loadings of TCS Variables.

The study of Kozee et al. (2012) sampled transgender individuals only. To check the robustness of our results, we rechecked the analysis for non-cisgender individuals only, more specifically for non-binary individuals, since they represent the largest group among non-cisgender individuals in our dataset. We used KMO as a data quality check and obtained a value of 0.699. Then we assessed the optimal number of factors using the EKC and PA. Both factor retention methods suggest that one factor is sufficient. Based on the factor retention method results, we checked the factor loadings for one factor. As in Table SF32, for one factor, we have only negative loadings, particularly for TCS1–3, which emphasize strong alignment between gender identity and appearance.

For two factors (oblimin rotation), we identified the same pattern as in Table SF33TCS1–3, which are particularly strong indicators of congruence between satisfaction with gender identity and congruence of external appearance load on Factor 1, and TCS4–5, which are particularly strong for happiness and acceptance of one's gender identity, load on Factor 2.

Item	F1
TCS1	-0.622
TCS2	-0.780
TCS3	-0.772
TCS4	-0.681
TCS5	-0.561

Table SF36: Factor Loadings for $n = 1$ Factors (Oblimin Rotation) of TCS Variables for Non-cisgender individuals.

Item	F1	F2
TCS1	0.698	-0.006
TCS2	0.986	-0.039
TCS3	0.610	-0.223
TCS4	0.063	0.881
TCS5	-0.061	0.859

Table SF37: Factor Loadings for $n = 2$ Factors (Oblimin Rotation) of TCS Variables for Non-cisgender individuals.

Key Findings:
The paper of Kozee et al. (2012) identified the following two factors: Appearance Congruence and Gender Identity Acceptance. We checked whether these two factors are representative in our study. Based on the EKC and PA, we should have opted for one factor. The data structure itself, however, favored two factors based on oblique rotation, see Table SF33. In Table SF33, the items TCS1–3 load strongly onto Factor 1, and the items TCS4–5 on Factor 2. Factor 1 appears to capture aspects related to the outward and physical representation of gender identity. Items in this factor reflect how individuals perceive the alignment and satisfaction of their external appearance with their internal gender identity. Specifically, TCS1 states "My outward appearance represents my gender identity," TCS2 states "I am happy with the way my appearance expresses my gender identity," and TCS3 states "I feel that my mind and body are consistent with one another." Factor 2 seems to encompass the internal acceptance and satisfaction with one's gender identity. Items associated with this factor indicate a focus on the emotional and psychological acceptance of one's gender identity. Specifically, TCS4 states "I am happy that I have the gender identity that I do" and TCS5 states "I have accepted my gender identity."
We analyzed the data for non-cisgender individuals and determined the same two-factor solution as mentioned above, showing that our results are robust. Given the factor solution, we could keep the factor names of Kozee et al. (2012): Appearance Congruence and Gender Identity Acceptance. These names reflect the primary themes conveyed by the items loading on each factor and provide a clear understanding of what each factor represents in terms of gender identity. Even if we do not use the original 15-items structure of the TCS in this study, our results align with the two factor solution of Kozee et al. (2012).

4.4. Replication Analyses - OSRI

The OSRI comprises 22 items measuring masculinity and 22 items measuring femininity. In our study, we did not include all of the OSRI items (see section 3 for details). De Roover and Vermunt (2019), responses ranged between 1 (Strongly disagree) and 5 (Strongly agree). Our Likert-scale range is reverse coded compared to this. In De Roover and Vermunt (2019), 2,767 respondents were included: 1,539 hetero-, 568 bi-, 230 homo-, and 172 asexuals, and 258 who specified their sexuality as 'other'.

The paper by De Roover and Vermunt (2019) employed Multi-Group Factor Rotation. We conducted EFA to identify the latent variables that explain the patterns of correlations among the observed variables.

	OSRI1	OSRI2	OSRI3	OSRI4	OSRI5	OSRI6	OSRI7	OSRI8	OSRI9	OSRI10	OSRI11	OSRI12	OSRI13	OSRI14	OSRI15	OSRI16	OSRI17	OSRI18
Female	7.65	4.32	4.58	4.51	7.76	7.04	4.68	7.78	5.48	8.26	7.01	5.46	6.59	5.38	8.35	5.27	7.24	4.61
Male	6.76	5.87	5.43	5.17	5.76	5.94	6.40	6.54	6.42	7.68	7.78	7.15	4.83	6.21	6.90	6.45	5.97	6.19
Unspecified	4.89	4.33	5.56	4.22	9.00	6.33	4.22	7.67	4.89	8.89	7.33	5.56	6.22	4.56	8.22	3.89	8.11	5.00

Table SF38: Mean Scores by Sex for the OSRI Variables.

	OSRI1	OSRI2	OSRI3	OSRI4	OSRI5	OSRI6	OSRI7	OSRI8	OSRI9	OSRI10	OSRI11	OSRI12	OSRI13	OSRI14	OSRI15	OSRI16	OSRI17	OSRI18
Female	3.51	3.08	3.12	2.69	2.80	3.16	3.33	3.14	3.21	2.62	3.14	3.02	3.29	3.02	2.86	3.02	2.88	3.06
Male	3.76	3.26	3.25	2.86	3.28	3.18	3.22	3.34	3.11	2.84	2.81	2.98	3.25	3.04	3.41	3.01	3.05	3.06
Unspecified	4.23	3.81	3.17	3.11	1.58	3.16	3.60	3.43	4.20	1.76	3.50	3.56	3.87	3.17	3.49	3.48	3.06	3.00

Table SF39: Standard Deviation by Sex for the OSRI Variables.

	OSRI1	OSRI2	OSRI3	OSRI4	OSRI5	OSRI6	OSRI7	OSRI8	OSRI9	OSRI10	OSRI11	OSRI12	OSRI13	OSRI14	OSRI15	OSRI16	OSRI17	OSRI18
Female	10.0	3.0	4.0	4.0	9.0	8.0	4.0	10.0	5.0	10.0	8.0	5.0	8.0	5.0	10.0	5.0	8.0	4.0
Male	9.0	6.0	5.0	5.0	6.0	6.0	7.0	7.0	7.0	9.0	9.0	8.0	4.0	7.0	9.0	7.0	6.0	6.0
Unspecified	3.0	2.0	6.0	3.0	10.0	6.0	2.0	10.0	4.0	10.0	10.0	7.0	8.0	4.0	10.0	3.0	10.0	5.0

Table SF40: Median by Sex for the OSRI Variables.

	OSRI1	OSRI2	OSRI3	OSRI4	OSRI5	OSRI6	OSRI7	OSRI8	OSRI9	OSRI10	OSRI11	OSRI12	OSRI13	OSRI14	OSRI15	OSRI16	OSRI17	OSRI18
Man	6.56	5.81	5.68	5.21	5.63	5.90	6.35	6.26	6.69	7.66	7.93	7.14	4.68	6.10	6.80	6.66	5.88	6.40
Non-binary	6.98	4.09	3.76	4.63	7.93	6.34	5.09	7.73	4.73	8.18	6.70	5.52	5.80	5.71	7.64	5.60	7.08	4.12
Transman	7.36	3.49	4.42	4.22	8.17	6.27	5.21	7.68	5.45	7.43	6.37	5.71	5.87	5.39	7.84	6.10	6.92	3.99
Transwoman	7.11	6.20	3.57	4.59	6.80	5.95	6.30	8.16	5.52	7.84	6.82	6.55	5.09	6.25	8.25	5.55	6.64	4.48
Woman	8.26	4.76	5.16	4.53	7.51	7.65	4.42	7.90	5.84	8.49	7.36	5.53	7.32	5.29	8.86	4.76	7.39	5.12

Table SF41: Mean Scores by Gender for the OSRI Variables.

	OSRI1	OSRI2	OSRI3	OSRI4	OSRI5	OSRI6	OSRI7	OSRI8	OSRI9	OSRI10	OSRI11	OSRI12	OSRI13	OSRI14	OSRI15	OSRI16	OSRI17	OSRI18
Man	3.82	3.33	3.24	2.82	3.29	3.19	3.25	3.37	3.04	2.87	2.75	3.01	3.17	3.03	3.47	3.00	3.09	3.08
Non-binary	3.87	2.97	2.86	2.80	2.79	3.18	3.48	3.18	3.21	2.58	3.12	2.97	3.37	3.06	3.24	3.06	2.88	2.92
Transman	3.48	2.51	2.90	2.55	2.31	2.99	3.24	3.08	3.03	2.93	3.10	2.75	3.17	2.92	3.21	2.93	2.86	2.78
Transwoman	3.67	3.16	2.82	2.79	2.91	3.20	2.99	2.83	2.85	2.67	2.84	3.01	3.38	3.26	2.54	2.73	3.18	3.14
Woman	3.08	3.19	3.20	2.71	2.92	3.02	3.26	3.07	3.22	2.53	3.15	3.14	3.12	3.03	2.41	2.92	2.84	3.04

Table SF42: Standard Deviation by Gender for the OSRI Variables.

	OSRI1	OSRI2	OSRI3	OSRI4	OSRI5	OSRI6	OSRI7	OSRI8	OSRI9	OSRI10	OSRI11	OSRI12	OSRI13	OSRI14	OSRI15	OSRI16	OSRI17	OSRI18
Man	9	6	6	5	6	6	7	7	7	9	9	8	4	6	8.5	7	6	7
Non-binary	10	3	3	4	10	7	4	10	4	10	7	5	6	6	10	6	8	4
Transman	9	3	4	4	9.5	6	5	10	5	9	7	6	6	6	10	6	7.5	3
Transwoman	10	7	3	4.5	7	6	6	10	6	9	7	7	4.5	6.5	10	6	8	4
Woman	10	4	5	4	9	9	3	10	6	10	9	5	9	5	10	4	8	5

Table SF43: Median by Gender for the OSRI Variables.

Correlation Matrix

	OSRI1	OSRI2	OSRI3	OSRI4	OSRI5	OSRI6	OSRI7	OSRI8	OSRI9	OSRI10	OSRI11	OSRI12	OSRI13	OSRI14	OSRI15	OSRI16	OSRI17	OSRI18
OSRI1	1.000	0.094	0.052	0.000	0.055	0.276	0.024	0.192	0.114	0.166	0.126	0.030	0.278	0.020	0.448	-0.010	0.167	0.040
OSRI2		1.000	0.110	0.125	-0.179	-0.009	0.225	0.025	0.143	-0.030	0.189	0.231	0.099	0.257	0.063	0.247	0.043	0.351
OSRI3			1.000	0.234	-0.110	0.125	0.060	-0.001	0.274	0.100	0.224	0.135	0.030	-0.009	0.051	-0.063	0.048	0.176
OSRI4				1.000	-0.043	0.038	0.077	0.008	0.148	0.082	0.204	0.228	-0.044	0.137	-0.009	0.095	0.046	0.210
OSRI5					1.000	0.076	-0.107	0.197	-0.124	0.101	-0.077	-0.115	0.213	-0.043	0.098	-0.057	0.182	-0.233
OSRI6						1.000	0.071	0.241	0.129	0.366	0.101	0.137	0.287	-0.004	0.287	0.023	0.233	0.060
OSRI7							1.000	-0.016	0.171	0.008	0.125	0.248	-0.031	0.222	-0.019	0.285	0.034	0.216
OSRI8								1.000	0.084	0.279	0.049	0.017	0.301	0.039	0.249	0.038	0.208	-0.086
OSRI9									1.000	0.182	0.280	0.142	0.090	0.060	0.104	0.056	0.120	0.172
OSRI10										1.000	0.189	0.052	0.215	0.038	0.286	0.029	0.232	0.003
OSRI11											1.000	0.249	0.051	0.206	0.117	0.154	0.134	0.245
OSRI12												1.000	0.005	0.241	0.013	0.261	-0.019	0.315
OSRI13													1.000	0.055	0.381	0.010	0.264	0.047
OSRI14														1.000	0.013	0.257	0.013	0.316
OSRI15															1.000	-0.014	0.270	0.034
OSRI16																1.000	0.036	0.249
OSRI17																	1.000	0.028
OSRI18																		1.000

Table SF44: Correlation Matrix of OSRI Variables for Entire Sample.

Table SF44 shows that the correlation coefficients of the OSRI items over the entire sample are relatively low, with few pairwise comparisons exceeding .30 (OSRI12 vs OSRI18, OSRI15 vs OSRI13, OSRI8 vs OSRI13, and OSRI6 vs OSRI10).

	OSRI1	OSRI2	OSRI3	OSRI4	OSRI5	OSRI6	OSRI7	OSRI8	OSRI9	OSRI10	OSRI11	OSRI12	OSRI13	OSRI14	OSRI15	OSRI16	OSRI17	OSRI18
OSRI1	1.000	0.169	0.108	-0.004	-0.016	0.262	0.096	0.165	0.235	0.194	0.158	0.030	0.228	-0.016	0.484	0.042	0.151	0.078
OSRI2		1.000	0.006	0.166	-0.140	-0.040	0.223	0.090	0.009	-0.037	0.179	0.269	0.064	0.222	0.084	0.343	0.060	0.295
OSRI3			1.000	0.204	-0.101	0.193	0.129	0.010	0.289	0.139	0.212	0.076	0.070	-0.021	0.071	-0.049	0.140	0.105
OSRI4				1.000	0.042	0.041	0.101	-0.040	0.084	0.104	0.222	0.276	-0.040	0.264	0.047	0.257	0.083	0.236
OSRI5					1.000	-0.011	0.044	0.117	-0.096	0.050	0.001	0.069	0.162	0.073	-0.033	0.087	0.054	-0.113
OSRI6						1.000	0.101	0.194	0.175	0.369	0.167	0.120	0.274	0.064	0.322	0.034	0.261	0.077
OSRI7							1.000	0.015	0.117	0.014	0.128	0.245	0.117	0.199	0.073	0.238	0.080	0.209
OSRI8								1.000	0.102	0.217	0.108	0.083	0.284	0.012	0.154	0.161	0.079	0.028
OSRI9									1.000	0.249	0.246	0.002	0.104	-0.049	0.162	-0.026	0.214	0.020
OSRI10										1.000	0.262	0.057	0.205	0.090	0.247	0.034	0.215	0.099
OSRI11											1.000	0.240	0.053	0.246	0.172	0.154	0.194	0.208
OSRI12												1.000	0.099	0.382	0.103	0.308	0.009	0.293
OSRI13													1.000	0.104	0.359	0.034	0.226	0.134
OSRI14														1.000	0.060	0.378	0.040	0.344
OSRI15															1.000	0.018	0.241	0.140
OSRI16																1.000	0.013	0.363
OSRI17																	1.000	0.170
OSRI18																		1.000

Table SF45: Correlation Matrix of OSRI Variables for Men.

Table SF45 indicates that the correlations of the OSRI items over the sample of men are relatively low, with few pairwise comparisons exceeding .30 (OSRI1 vs OSRI15, OSRI6 vs OSRI15, OSRI6 vs OSRI10, OSRI13 vs OSRI15, OSRI14 vs OSRI16).

	OSRI1	OSRI2	OSRI3	OSRI4	OSRI5	OSRI6	OSRI7	OSRI8	OSRI9	OSRI10	OSRI11	OSRI12	OSRI13	OSRI14	OSRI15	OSRI16	OSRI17	OSRI18
OSRI1	1.000	0.103	0.108	0.097	0.028	0.217	0.038	0.153	0.157	0.194	0.134	0.157	0.275	0.045	0.338	-0.032	0.187	0.168
OSRI2		1.000	0.072	0.070	-0.049	0.044	0.086	0.135	0.119	-0.011	0.088	0.085	0.157	0.209	0.059	0.069	0.165	0.284
OSRI3			1.000	0.249	-0.065	0.110	-0.005	0.057	0.222	0.163	0.193	0.169	0.034	0.050	0.120	-0.152	0.076	0.136
OSRI4				1.000	0.033	0.124	0.082	0.068	0.216	0.130	0.193	0.170	0.014	0.122	0.085	-0.013	0.174	0.189
OSRI5					1.000	0.056	-0.118	0.133	-0.016	0.005	0.042	-0.029	0.174	-0.004	0.0780	-0.022	0.085	-0.099
OSRI6						1.000	0.098	0.281	0.216	0.436	0.099	0.273	0.272	-0.015	0.239	0.074	0.122	0.125
OSRI7							1.000	-0.001	0.103	0.034	0.090	0.126	0.001	0.211	-0.031	0.173	0.071	0.080
OSRI8								1.000	0.183	0.265	0.061	0.074	0.289	0.012	0.215	0.056	0.239	-0.036
OSRI9									1.000	0.239	0.138	0.121	0.120	0.064	0.169	-0.041	0.159	0.110
OSRI10										1.000	0.209	0.166	0.233	0.005	0.330	-0.023	0.164	0.051
OSRI11											1.000	0.170	0.047	0.206	0.149	0.052	0.167	0.133
OSRI12												1.000	0.158	0.148	0.140	0.142	0.038	0.214
OSRI13													1.000	0.049	0.375	0.040	0.192	0.065
OSRI14														1.000	-0.000	0.191	0.056	0.308
OSRI15															1.000	0.006	0.150	0.085
OSRI16																1.000	0.090	0.176
OSRI17																	1.000	0.110
OSRI18																		1.000

Table SF46: Correlation Matrix of OSRI Variables for Women.

Table SF46 states that the correlations for the OSRI items over the sample of women are relatively low, with few pairwise comparisons exceeding .30, even lower compared to the sample of men.

Overall, the Tables SF44, SF45 and SF46 demonstrate that for OSRI1 and OSRI15, the correlation is stronger for men (0.484) than women (0.338), and in the overall sample (0.448). This suggests that for men, the relationship between these items is slightly more pronounced. For OSRI9 and OSRI12, men have a lower correlation (0.003) compared to women (0.121) and the overall sample (0.142). For OSRI14 and OSRI16, the correlation in men is stronger (0.378) than in women (0.191) and the overall sample (0.257). We can see that in the entire sample, the sample of women and of men, the inter-correlations of the OSRI items are not strong, with few inter-correlations exceeding 0.30.

Exploratory Factor Analysis

We performed several data quality checks prior to conducting the factor analysis. The results indicate that Bartlett's Test Chi-Square was 3450.572 with a significance level of $p < 0.001$. Additionally, the KMO Measure of Sampling Adequacy yielded a value of 0.787, which indicates that the sampling is adequate for conducting factor analysis, as values above 0.60 are considered acceptable. These results support the suitability of the data for factor analysis.

Number of Factors: To determine the optimal number of factors, we computed (a) EKC and (b) PA as factor retention methods. While the EKC suggests four factors as sufficient, the PA suggests three. We conducted the factor analysis (oblimin rotation) for four factors, resulting in a cumulative variance explained of 0.28. Factor 1 has an eigenvalue (variance explained) of 1.66 (0.09), Factor 2 has an eigenvalue (variance explained) of 1.39 (0.07), Factor 3 has an eigenvalue (variance explained) of 1.06 (0.06), and Factor 4 has an eigenvalue (variance explained) of 0.86 (0.05).

Item	F1	F2	F3	F4
OSRI1	-0.004	0.605	0.021	-0.062
OSRI2	0.477	0.183	0.035	-0.210
OSRI3	-0.087	-0.011	0.602	-0.022
OSRI4	0.174	-0.141	0.340	0.096
OSRI5	-0.111	0.044	-0.218	0.389
OSRI6	0.018	0.281	0.172	0.311
OSRI7	0.435	-0.048	0.041	0.015
OSRI8	0.041	0.228	-0.045	0.389
OSRI9	0.083	0.063	0.443	0.062
OSRI10	-0.009	0.142	0.235	0.454
OSRI11	0.255	0.030	0.367	0.101
OSRI12	0.460	-0.076	0.187	0.061
OSRI13	0.057	0.494	-0.091	0.193
OSRI14	0.541	-0.007	-0.069	0.036
OSRI15	-0.031	0.701	0.001	0.023
OSRI16	0.597	-0.076	-0.148	0.110
OSRI17	0.037	0.242	0.054	0.289
OSRI18	0.501	0.081	0.194	-0.199

Table SF47: Factor Loadings for $n = 4$ Factors (Oblimin Rotation) of OSRI Variables.

Table SF47 suggests that we can determine the following factors:

Factor 1: "Creative Expression and Social Interaction"

- OSRI2: I give people handmade gifts.
- OSRI7: When I was a child, I put on fake concerts and plays with my friends.
- OSRI12: I think horoscopes are fun.
- OSRI14: I take lots of pictures of my activities.
- OSRI16: I really like dancing.
- OSRI18: I decorate my things (e.g. stickers on laptop).

Factor 2: "Exploratory and Experimental Behavior"

- OSRI1: I have thrown knives, axes or other sharp things.

- OSRI13: I have taken apart machines just to see how they work.
- OSRI15: I have set fuels, aerosols or other chemicals on fire, just for fun.

Factor 3: "Private and Personal Preferences"

- OSRI3: I get embarrassed when people read things I have written.
- OSRI4: I am happiest when I am in my bed.
- OSRI9: I get dizzy when I stand up sharply.
- OSRI11: I wear a blanket around the house.

Factor 4: "Risk-Taking and Comfort-Seeking"

- OSRI5: I would prefer a class in mathematics to a class in pottery.
- OSRI6: I have thought it would be exciting to be an outlaw.
- OSRI8: I have considered joining the military.
- OSRI10: I think a natural disaster would be kind of exciting.
- OSRI17: I take stairs two at a time.

We further inspected group-specific differences for sex, following the suggested .40–.30–.20 rule proposed by Howard (2016). Based on EFA using oblimin rotation over the female sample, see Table SF48, OSRI1 and OSRI15, which assess masculinity, load onto Factor 1. OSRI14, OSRI16, and OSRI18, which assess femininity, load onto Factor 2. OSRI6, also assessing masculinity, loads onto Factor 3, while OSRI4, assessing femininity, loads onto Factor 4.

Item	F1	F2	F3	F4
OSRI1	0.400	0.018	0.099	0.100
OSRI2	0.134	0.364	-0.029	-0.003
OSRI3	0.001	-0.036	-0.015	0.539
OSRI4	-0.054	0.142	0.030	0.507
OSRI5	0.208	-0.087	0.006	-0.065
OSRI6	-0.004	-0.003	1.000	-0.006
OSRI7	-0.022	0.334	0.115	-0.055
OSRI8	0.365	-0.008	0.131	0.061
OSRI9	0.120	0.079	0.075	0.347
OSRI10	0.248	-0.063	0.280	0.244
OSRI11	0.092	0.228	0.023	0.246
OSRI12	0.108	0.260	0.177	0.103
OSRI13	0.752	0.023	-0.009	-0.098
OSRI14	-0.021	0.618	-0.090	0.018
OSRI15	0.575	-0.055	-0.018	0.126
OSRI16	0.021	0.379	0.083	-0.292
OSRI17	0.334	0.138	-0.029	0.131
OSRI18	0.007	0.486	0.084	0.143

Table SF48: Factor Loadings for $n = 4$ Factors (Oblimin Rotation) of OSRI Variables for Cisgender Females.

Factor Loadings Group of Cisgender Females

- Factor 1: OSRI1, OSRI5, OSRI8, OSRI13, OSRI15, OSRI17
- Factor 2: OSRI2, OSRI7, OSRI14, OSRI16, OSRI18
- Factor 3: OSRI6, OSRI10
- Factor 4: OSRI3, OSRI4, OSRI9, OSRI11

Table SF49 shows that Factor 1, which assesses femininity, includes OSRI2, OSRI4, OSRI12, OSRI14, OSRI16, and OSRI18; Factor 2, assessing masculinity, consists of OSRI1, OSRI13, and OSRI15; Factor 3, also assessing femininity, contains OSRI3; and Factor 4, which assesses masculinity, comprises OSRI6, OSRI8, and OSRI10.

Factor Loadings Group of Cisgender Males

- Factor 1: OSRI2, OSRI4, OSRI7, OSRI12, OSRI14, OSRI16, OSRI18
- Factor 2: OSRI1, OSRI13, OSRI15
- Factor 3: OSRI3, OSRI11
- Factor 4: OSRI5, OSRI6, OSRI8, OSRI10, OSRI17

Item	F1	F2	F3	F4
OSRI1	-0.072	0.695	0.055	-0.047
OSRI2	0.451	0.292	-0.014	-0.319
OSRI3	0.030	0.003	0.564	0.026
OSRI4	0.415	-0.163	0.278	0.027
OSRI5	0.080	-0.100	-0.267	0.289
OSRI6	0.027	0.266	0.152	0.395
OSRI7	0.345	0.064	0.112	-0.051
OSRI8	0.087	0.231	-0.217	0.291
OSRI9	-0.077	0.158	0.474	0.089
OSRI10	0.012	0.114	0.155	0.510
OSRI11	0.263	0.045	0.320	0.135
OSRI12	0.593	0.021	0.077	0.037
OSRI13	0.117	0.394	-0.182	0.328
OSRI14	0.624	-0.119	-0.074	0.140
OSRI15	0.025	0.631	0.034	0.126
OSRI16	0.624	0.005	-0.138	-0.041
OSRI17	0.048	0.171	0.165	0.263
OSRI18	0.567	0.018	0.105	-0.034

Table SF49: Factor Loadings for $n = 4$ Factors (Oblimin Rotation) of OSRI Variables for Cisgender Males.

We conducted PCA to screen the data and the loadings of each item on the respective components. However, we cannot identify a clear pattern, as many items have cross-loadings, see in Table SF50.
Table SF50 displays the loadings of 10 PCs, which are linear combinations of the original variables that are uncorrelated with each other. The loadings indicate the contribution of each original variable (OSRI1 to OSRI18) to each PC. Higher absolute values of the loadings indicate stronger contributions of the variables to those components.

Item	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10
OSRI1	0.431	0.379	0.035	-0.474	0.024	-0.184	-0.041	0.205	0.406	-0.064
OSRI2	0.441	-0.375	0.212	-0.316	0.210	0.187	0.130	-0.243	-0.078	-0.201
OSRI3	0.341	-0.128	-0.643	-0.003	0.114	0.042	0.311	-0.133	-0.005	0.185
OSRI4	0.332	-0.266	-0.307	0.367	0.394	-0.250	0.176	0.104	0.157	-0.390
OSRI5	-0.042	0.486	0.255	0.465	0.290	0.094	0.202	0.114	0.261	0.306
OSRI6	0.484	0.383	-0.075	0.058	-0.357	-0.342	0.179	0.062	-0.260	0.116
OSRI7	0.354	-0.367	0.235	0.052	-0.475	0.216	0.319	0.139	0.255	0.114
OSRI8	0.344	0.455	0.171	0.228	-0.016	0.025	-0.026	-0.572	0.144	-0.233
OSRI9	0.468	-0.093	-0.420	-0.019	-0.220	0.431	-0.079	-0.179	0.183	0.064
OSRI10	0.456	0.382	-0.147	0.297	-0.254	-0.118	-0.329	-0.058	-0.235	-0.070
OSRI11	0.535	-0.189	-0.228	0.120	0.121	0.133	-0.483	0.185	0.152	0.132
OSRI12	0.464	-0.394	0.066	0.164	-0.090	-0.397	0.135	0.002	0.097	0.123
OSRI13	0.425	0.482	0.209	-0.154	0.210	0.067	0.194	-0.207	-0.140	0.209
OSRI14	0.386	-0.351	0.392	0.111	0.236	-0.041	-0.285	-0.086	-0.026	0.346
OSRI15	0.472	0.495	0.053	-0.349	0.076	-0.101	-0.081	0.158	0.109	-0.088
OSRI16	0.345	-0.353	0.479	0.185	-0.184	0.046	-0.029	0.076	0.027	-0.303
OSRI17	0.389	0.376	0.049	0.163	0.116	0.444	0.131	0.412	-0.317	-0.178
OSRI18	0.483	-0.479	0.047	-0.183	0.173	-0.080	0.043	0.045	-0.345	0.097

Table SF50: PCA Component Loadings of OSRI Variables.

For example, PC1 has the highest loadings of OSRI11 (0.535), OSRI15 (0.472), and OSRI18 (0.483), suggesting that these variables share a common underlying pattern captured by this component. PC2 shows significant contributions from OSRI15 (0.495), OSRI13 (0.482), and OSRI5 (0.486). PC3, characterized by strong negative loading from OSRI3 (-0.643) and positive loading from OSRI16 (0.479), suggests another distinct dimension.

Key Findings: In our analysis, we did not apply multigroup factor analysis as did De Roover and Vermunt (2019). Instead, we performed EFA for the entire sample using oblique rotation. Following the factor retention methods, our analysis does not support the two-factor solution of masculinity and femininity. Instead, our results support the four factor-solution where masculinity and femininity are further split, which is described above, over the entire sample. In our analysis using oblique rotation for the entire sample, see Table SF47, we have two factors measuring femininity and two factors measuring masculinity. The items in Factor 1 and Factor 3 relate to femininity, while Factor 2 and Factor 4 relate to masculinity.

4.5. Replication Analyses - MSPD

Molero et al. (2013) used a 5-point Likert scale (1= strongly disagree and 5= strongly agree). They elicited the MSPD (20 items scales), plus additional measures: the stigma consciousness scale, the positive and negative affect schedule scale and the self-acceptance scale. Molero et al.'s sample comprises 1,016 participants, 54.1% men and 46.4% women. The participants were members of five stigmatized collectives: Latin American immigrants (N = 199), Romanian immigrants (N = 202), people with HIV (N = 134), gays (N = 237) and lesbians (N = 232).

The MSPD comprises items which measure four aspects of discrimination: blatant group discrimination (BGD), subtle group discrimination (SGD), blatant individual discrimination (BID), and subtle individual discrimination (SID). We included all of the items of the MSPD, except for one "...suffer from discrimination in the legal sphere." Table SF51 shows the grouping of the variables as in the paper of

Molero et al. (2013).

Category	Items
BGD	MSPD1a, MSPD1b, MSPD1c, MSPD1d, MSPD1e, MSPD2a, MSPD2b, MSPD2c, MSPD2d, MSPD2e, MSPD3a, MSPD3b, MSPD3c, MSPD3d, MSPD3e, MSPD4a, MSPD4b, MSPD4c, MSPD4d, MSPD4e, MSPD5a, MSPD5b, MSPD5c, MSPD5d, MSPD5e, MSPD6a, MSPD6b, MSPD6c, MSPD6d, MSPD6e
SGD	MSPD7a, MSPD7b, MSPD7c, MSPD7d, MSPD7e, MSPD8a, MSPD8b, MSPD8c, MSPD8d, MSPD8e, MSPD9a, MSPD9b, MSPD9c, MSPD9d, MSPD9e
BID	MSPD10a, MSPD10b, MSPD10c, MSPD10d, MSPD10e, MSPD10f, MSPD10g
SID	MSPD10h, MSPD10i, MSPD10j

Table SF51: Grouping of Items (MSPD).

Table SF52 states the means and SDs of the MSPD items for females and males. Items related to the discrimination of men have a high mean and low SD, suggesting that females have high, but consistent scores for this item (10 equals "strongly disagree" in our study). Males have higher means for items related to discrimination of men, but also higher values for items related to discrimination of women.

Item	Female Mean	Female SD	Male Mean	Male SD
MSPD1a	7.99	2.37	6.74	2.93
MSPD1b	5.63	2.76	6.56	2.66
MSPD1c	2.71	2.20	3.68	2.61
MSPD1d	3.20	2.26	3.92	2.55
MSPD1e	3.54	2.42	4.21	2.51
MSPD2a	7.92	2.59	6.60	2.97
MSPD2b	3.94	2.75	5.24	2.81
MSPD2c	2.57	2.38	3.78	2.88
MSPD2d	2.86	2.41	3.90	2.77
MSPD2e	3.15	2.49	4.16	2.79
MSPD3a	8.42	2.28	7.17	2.87
MSPD3b	3.58	2.55	4.57	2.72
MSPD3c	2.60	2.30	3.61	2.76
MSPD3d	2.96	2.36	3.82	2.79
MSPD3e	3.29	2.47	4.21	2.76
MSPD4a	8.28	2.40	7.15	2.89
MSPD4b	3.87	2.96	5.44	3.09
MSPD4c	2.70	2.52	3.91	3.01
MSPD4d	2.80	2.53	3.98	2.98
MSPD4e	3.29	2.68	4.48	2.99
MSPD5a	7.22	2.68	5.91	3.04
MSPD5b	5.48	2.69	6.14	2.69
MSPD5c	3.08	2.29	3.74	2.59
MSPD5d	3.28	2.30	3.76	2.53
MSPD5e	3.55	2.40	4.12	2.57
MSPD6a	8.73	1.99	7.54	2.70
MSPD6b	4.74	2.82	5.70	2.83
MSPD6c	3.19	2.49	4.28	2.87

Item	Female Mean	Female SD	Male Mean	Male SD
MSPD6d	3.41	2.52	4.43	2.86
MSPD6e	3.71	2.58	4.65	2.78
MSPD7a	6.11	3.00	5.69	3.08
MSPD7b	5.66	2.70	6.22	2.65
MSPD7c	2.79	2.35	3.71	2.73
MSPD7d	3.17	2.38	3.91	2.70
MSPD7e	3.47	2.48	4.20	2.64
MSPD8a	6.75	2.92	6.28	2.30
MSPD8b	5.48	2.84	5.88	2.80
MSPD8c	3.52	2.69	3.74	2.63
MSPD8d	3.60	2.66	3.78	2.59
MSPD8e	3.71	2.67	3.97	2.61
MSPD9a	6.46	3.25	5.86	3.13
MSPD9b	4.17	2.78	4.99	2.86
MSPD9c	2.46	2.16	3.19	2.50
MSPD9d	2.60	2.18	3.26	2.43
MSPD9e	2.78	2.25	3.60	2.52
MSPD10a	4.74	3.24	6.02	3.51
MSPD10b	4.56	3.14	6.06	3.36
MSPD10c	5.41	3.61	6.78	3.47
MSPD10d	5.54	3.47	7.15	3.18
MSPD10e	5.60	3.93	7.02	3.47
MSPD10f	5.95	3.22	6.68	3.24
MSPD10g	6.62	3.57	7.64	3.08
MSPD10h	5.40	3.20	6.71	3.09
MSPD10i	5.16	3.15	6.65	3.13
MSPD10j	6.16	3.06	6.66	3.05

Table SF52: Mean and SD MSPD (Male and Female).

Method: The paper of Molero et al. (2013) conducted CFA, but we did EFA as we do not have the additional scales used by Molero et al. (2013). The same methodology has been applied in the section 4.3.

Exploratory Factor Analysis: We performed several data quality checks prior to conducting the factor analysis. The KMO Measure of Sampling Adequacy yielded a value of 0.954, which indicates that the sampling is adequate for conducting factor analysis, as values above 0.60 are considered acceptable. These results support the suitability of the data for factor analysis. The EKC shows that eight and the PA that six factors are optimal.

Number of Factors: While the EKC suggests eight factors as sufficient, the PA suggests six. We conducted the factor analysis (oblimin rotation) for six factors, resulting in a cumulative variance explained of 0.56. Factor 1 has an eigenvalue (variance explained) of 10.42 (0.19), Factor 2 has an eigenvalue (variance explained) of 6.51 (0.12), Factor 3 has an eigenvalue (variance explained) of 4.52 (0.08), Factor 4 has an eigenvalue (variance explained) of 4.10 (0.07), Factor 5 has an eigenvalue (variance explained) of 3.77 (0.07) and Factor 6 has an eigenvalue (variance explained) of 1.72 (0.03).

Item	F1	F2	F3	F4	F5	F6
MSPD1a	-0.062	0.043	0.715	-0.015	-0.030	0.127
MSPD1b	-0.113	0.054	-0.018	0.689	-0.031	0.214
MSPD1c	0.220	0.058	-0.061	0.203	0.163	0.583
MSPD1d	0.250	0.018	0.003	0.108	0.160	0.582
MSPD1e	0.345	0.058	0.037	0.097	0.100	0.503
MSPD2a	-0.031	-0.005	0.789	-0.085	0.028	0.078
MSPD2b	0.049	0.032	-0.077	0.774	-0.007	0.137
MSPD2c	0.630	0.030	-0.085	0.148	-0.020	0.270
MSPD2d	0.646	0.025	-0.040	0.097	-0.020	0.307
MSPD2e	0.695	0.043	-0.019	0.051	-0.022	0.254
MSPD3a	-0.037	-0.023	0.791	-0.019	-0.041	0.015
MSPD3b	0.209	0.007	-0.025	0.672	-0.025	0.078
MSPD3c	0.719	-0.016	-0.067	0.123	0.031	0.136
MSPD3d	0.771	0.008	-0.012	0.002	0.030	0.138
MSPD3e	0.801	0.028	-0.003	-0.021	0.028	0.096
MSPD4a	0.050	-0.032	0.758	0.010	-0.056	-0.024
MSPD4b	0.228	0.106	0.022	0.643	-0.044	-0.022
MSPD4c	0.732	0.061	-0.020	0.160	-0.012	0.038
MSPD4d	0.765	0.058	-0.003	0.118	-0.016	0.050
MSPD4e	0.797	0.069	-0.003	0.073	-0.051	0.028
MSPD5a	0.105	-0.054	0.781	0.061	-0.010	0.024
MSPD5b	0.074	0.084	0.137	0.657	-0.051	0.004
MSPD5c	0.677	0.017	0.041	0.035	0.113	0.189
MSPD5d	0.711	0.031	0.063	-0.024	0.111	0.173
MSPD5e	0.779	0.031	0.083	-0.039	0.067	0.115
MSPD6a	0.007	0.002	0.733	0.005	-0.037	-0.162
MSPD6b	0.260	0.042	0.048	0.677	-0.019	-0.241
MSPD6c	0.855	0.030	-0.056	0.111	0.047	-0.217
MSPD6d	0.891	0.034	-0.019	0.033	0.056	-0.214
MSPD6e	0.888	0.055	0.004	0.014	0.042	-0.225
MSPD7a	0.070	0.116	0.573	0.047	0.014	-0.002
MSPD7b	-0.064	0.002	0.058	0.628	0.126	-0.036
MSPD7c	0.450	0.038	-0.050	0.116	0.317	0.139
MSPD7d	0.507	-0.002	0.008	0.067	0.309	0.127
MSPD7e	0.521	0.018	0.012	0.044	0.291	0.090
MSPD8a	-0.068	0.104	0.565	0.130	0.132	-0.030
MSPD8b	-0.202	0.083	0.112	0.571	0.422	-0.089
MSPD8c	-0.034	0.022	-0.030	0.037	0.905	0.003
MSPD8d	0.004	0.001	0.006	0.009	0.917	-0.003
MSPD8e	0.061	0.006	0.008	0.012	0.854	-0.006
MSPD9a	-0.030	0.092	0.540	0.060	0.093	-0.066
MSPD9b	0.007	0.111	0.040	0.548	0.218	-0.035
MSPD9c	0.367	0.045	-0.059	0.002	0.499	0.108
MSPD9d	0.400	0.054	-0.020	-0.057	0.496	0.103
MSPD9e	0.446	0.082	-0.025	-0.063	0.433	0.097
MSPD10a	0.018	0.822	0.037	0.005	0.020	0.029

MSPD10b	-0.018	0.853	0.011	-0.009	0.033	0.013
MSPD10c	-0.022	0.797	-0.020	-0.043	-0.012	-0.024
MSPD10d	-0.004	0.819	-0.059	0.034	-0.081	-0.034
MSPD10e	0.020	0.714	-0.018	-0.001	-0.044	-0.036
MSPD10f	-0.006	0.873	0.060	-0.072	-0.019	0.037
MSPD10g	-0.002	0.749	-0.028	0.005	-0.126	-0.060
MSPD10h	0.017	0.788	-0.002	0.031	0.053	-0.014
MSPD10i	0.012	0.818	-0.024	0.032	0.042	0.016
MSPD10j	-0.039	0.742	0.041	0.018	0.055	0.024

Table SF53: Factor Loadings for $n = 6$ Factors (Oblimin Rotation) of MSPD Variables.

Table SF53 shows the EFA results for the MSPD items comprising six factors as suggested by the PA. In our study, the BID and SID factors were combined into a single factor. The BGD and SGD items are organized into the following factors: one factor for items measuring subtle and group discrimination against men, another for items measuring subtle and group discrimination against women, two factors for items measuring subtle group discrimination against non-cisgender individuals, and one factor for blatant and subtle group discrimination against non-cisgender individuals, see Table SF54 .

Factor	**Items**
1	MSPD2c, MSPD2d, MSPD2e, MSPD3c, MSPD3d, MSPD3e, MSPDP4c, MSPD4d, MSPD4e, MSPD5c, MSPD5d, MSPD5e, MSPD6c, MSPD6d, MSPD6e, MSPD7c, MSPD7d, MSPD7e
2	MSPD10a, MSPD10b, MSPD10c, MSPD10d, MSPD10e, MSPD10f, MSPD10g, MSPD10h, MSPD10i, MSPD10j
3	MSPD1a, MSPD2a, MSPD3a, MSPD4a, MSPD5a, MSPD6a, MSPD7a, MSPD8a, MSPD9a
4	MSPD1b, MSPD2b, MSPD3b, MSPD4b, MSPD5b, MSPD6b, MSPD7b, MSPD8b, MSPD9b
5	MSPD8c, MSPD8d, MSPD8e, MSPD9c, MSPD9d, MSPD9e
6	MSPD1c, MSPD1d, MSPD1e

Table SF54: Factor Structure of MSPD items (Entire Sample).

Key Findings: We conducted thorough data quality checks that affirmed the adequacy of factor analysis for the MSPD items. In contrast to Molero et al. (2013), our EFA results show that the constructs of BID, SID, BGD and SGD are not distinct factors. Instead, in our study, BID and SID converge into a single factor, and items of BGD and SGD load on the same factor but differentiate based on gender identity.

4.6. Summary and Expectation Items Analyses

In this section, we analyze the supplementary summary and expectation items of each subscale.

	MIQ11	MIQ12	MIQ13	TCS6	TCS7	TCS8	OSRI19	OSRI20	SOQ4a	SOQ4b	SOQ4c	SOQ4d	SOQ4e	SOQ5a	SOQ5b	SOQ5c	SOQ5d	SOQ5e	MSPD10k	MSPD10l
MIQ11	1.0000	0.0391	0.0253	0.5140	0.0560	0.0279	0.0417	0.3557	0.0258	-0.0377	-0.1479	-0.1275	-0.1681	-0.0497	-0.0231	-0.3004	-0.2572	-0.2941	-0.2464	-0.2333
MIQ12		1.0000	-0.6968	-0.0972	0.7738	-0.7651	-0.0999	-0.0614	-0.3847	0.3750	-0.0184	-0.0473	-0.0066	-0.4294	0.4752	0.0220	-0.0160	0.0222	0.1348	0.1255
MIQ13			1.0000	-0.0120	-0.7544	0.7623	0.0739	-0.0634	0.3866	-0.3869	0.0551	0.0758	0.0796	0.4986	-0.4671	0.1158	0.1245	0.1127	-0.0445	-0.0546
TCS6				1.0000	0.0442	0.1302	0.1135	0.5864	-0.0476	-0.0620	-0.2550	-0.2358	-0.3221	-0.0838	-0.0416	-0.4732	-0.4014	-0.4807	-0.3010	-0.2587
TCS7					1.0000	-0.7001	-0.0119	0.1195	-0.4084	0.4139	-0.0723	-0.0838	-0.0800	-0.4905	0.5222	-0.1015	-0.0854	-0.1064	0.0633	0.0581
TCS8						1.0000	0.1201	0.1049	0.4122	-0.3855	0.0104	0.0405	-0.0167	0.4787	-0.4609	-0.0072	0.0209	-0.0326	-0.1191	-0.1242
OSRI19							1.0000	0.1553	0.0638	-0.0797	-0.0573	-0.0507	-0.0647	0.0785	-0.0445	-0.0719	-0.0414	-0.0754	0.0006	0.0041
OSRI20								1.0000	0.0312	-0.0036	-0.2053	-0.1865	-0.3006	-0.0698	-0.0320	-0.4632	-0.4310	-0.5209	-0.3015	-0.2894
SOQ4a									1.0000	-0.2035	0.5173	0.4441	0.4162	0.5803	-0.4721	0.1208	-0.0285	0.0257	-0.0547	-0.0423
SOQ4b										1.0000	0.3877	0.4589	0.3083	-0.4596	0.6277	0.0012	0.1689	0.0231	0.0622	0.0548
SOQ4c											1.0000	0.8513	0.8071	0.1110	0.0601	0.3643	0.2731	0.2699	0.1310	0.1279
SOQ4d												1.0000	0.8046	0.0646	0.1205	0.2811	0.3589	0.2770	0.1500	0.1378
SOQ4e													1.0000	0.1190	0.0517	0.3863	0.3627	0.4423	0.2019	0.1827
SOQ5a														1.0000	-0.6064	0.3655	0.0754	0.2452	0.0372	0.0302
SOQ5b															1.0000	0.0443	0.3438	0.1364	0.1123	0.0940
SOQ5c																1.0000	0.6370	0.7758	0.3010	0.2710
SOQ5d																	1.0000	0.7516	0.3379	0.3116
SOQ5e																		1.0000	0.3313	0.3012
MSPD10k																			1.0000	0.8880
MSPD10l																				1.0000

Table SF55: Correlation Matrix of Summary & Expectation Items for Entire Sample.

Table SF55 illustrates that MIQ11 and TCS6 exhibit a notable positive correlation of 0.514, suggesting a strong relationship between these two variables in the sample. Additionally, MIQ12 demonstrates a high negative correlation with MIQ13 at -0.6968, as well as a strong positive correlation with TCS7 at 0.7738, indicating significant associations. Further, TCS8 shows a robust positive correlation with MIQ13 (0.7623), and OSRI20 correlates positively with both TCS6 (0.5864), suggesting that OSRI20 may align closely with constructs in TCS. Finally, MSPD10k and MSPD10l exhibit an exceptionally high correlation of 0.888, reflecting a close relationship between these two variables.

For the Summary and Expectation Items, we performed factor analysis for the entire sample.

Number of Factors: To determine the optimal number of factors, we computed (a) EKC and (b) PA as factor retention methods. While the EKC suggests six factors as sufficient, the PA suggests five. We first conducted the factor analysis (oblimin rotation) for five factors, resulting in a cumulative variance explained of 0.63. Factor 1 has an eigenvalue (variance explained) of 3.12 (0.16), Factor 2 has an eigenvalue (variance explained) of 2.90 (0.14), Factor 3 has an eigenvalue (variance explained) of 2.86 (0.14), Factor 4 has an eigenvalue (variance explained) of 1.86 (0.09), and Factor 5 has an eigenvalue (variance explained) of 1.77 (0.09).

Item	F1	F2	F3	F4	F5
MIQ11	0.0190	-0.0305	-0.2855	-0.1520	0.0300
MIQ12	-0.8744	-0.0070	0.0664	0.0252	-0.0119
MIQ13	0.8272	-0.0014	0.0804	0.0096	-0.0435
TCS6	0.1462	-0.1062	-0.4898	-0.1099	0.1163
TCS7	-0.7951	-0.0190	-0.0730	0.0033	0.1068
TCS8	0.8801	-0.0011	-0.0756	-0.0096	0.0058
OSRI19	0.1162	-0.0382	-0.1028	0.0539	0.0024
OSRI20	0.0724	-0.0288	-0.5300	-0.1205	0.0723
SOQ4a	0.1922	0.5786	-0.1185	-0.0399	-0.4842
SOQ4b	-0.1926	0.4529	-0.1154	-0.0098	0.5830
SOQ4c	-0.0480	0.9268	0.0278	0.00167	-0.0400
SOQ4d	0.0843	0.9118	0.0034	0.0328	0.1468
SOQ4e	-0.0491	0.7998	0.1934	0.0287	-0.0431
SOQ5a	0.2285	0.0499	0.2602	-0.0054	-0.6207
SOQ5b	-0.1849	0.0107	0.1320	-0.0014	0.7643
SOQ5c	-0.0909	0.0900	0.8209	0.0009	-0.1712
SOQ5d	0.2151	0.0447	0.7397	0.0768	0.3660
SOQ5e	-0.0157	0.0051	0.9235	0.0060	-0.0061
MSPD10k	0.0022	-0.0010	0.0000	0.9621	-0.0038
MSPD10l	-0.0064	0.0033	-0.0231	0.9318	-0.0180

Table SF56: Factor Loadings Summary and Expectation Items (Oblimin) - Entire Sample.

Table SF56 shows that for the MIQ items, only the loading of MIQ13 on the first factor is very high, while that of MIQ12 is strongly negative. For the TCS items, only the loading of TCS8 is high, while that of TCS7 is strongly negative. In contrast, both OSRI19 and OSRI20 have low loadings. For the SOQ items, the loadings of SOQ4a, SOQ4c-e are very high on the same factor, while the loadings of SOQ4b are on another. Similarly, the loadings of SOQ5c-e are very high on the same factor, while the loadings of SOQ5b are on a different factor. For the MSPD items, the loadings of MSPD10k and MSPD10l are very high on the same factor.

4.7. Disaggregated Correlation Patterns by Gender Identity

We conducted composite-level zero-order correlation analyses among the five scales—MIQ, TCS, OSRI, SOQ, and MSPD—separately for each gender identity group. This disaggregated approach addresses a key gap in the literature, as previous studies (cf. Tate et al., 2015) have not reported these associations stratified by gender identity. Across groups, the correlations in Table SF57 revealed both common and distinctive patterns in how these constructs relate.

Most notably, MIQ and TCS showed a consistent negative relationship that reached statistical significance in men ($r = -.29$, $p < .001$), women ($r = -.41$, $p < .001$), and transwomen ($r = -.33$, $p < .05$). This pattern suggests that stronger internal affirmation of gender identity is reliably associated with less emphasis on traditional external gender expression across groups.

Among men, MIQ was significantly positively associated with SOQ ($r = .24$, $p < .001$), indicating that internal gender identity may be linked to greater openness in sexuality. For women, the positive correlation between OSRI and MSPD was also significant ($r = .29$, $p < .001$), suggesting that greater awareness of gender roles corresponds with heightened sensitivity to, or experiences of, gender-based discrimination.

Transwomen showed broadly positive—but nonsignificant—associations among OSRI, SOQ, and MSPD, alongside the significant negative MIQ–TCS link described above. Among transmen, MIQ was significantly positively associated with both OSRI ($r = .31$, $p < .01$) and MSPD ($r = .37$, $p < .001$), suggesting that a secure internal gender identity may be closely tied to both gender role engagement and experiences of marginalization in this group.

For non-binary participants, correlations were generally weaker and more variable. The strongest and significant association was between MIQ and OSRI ($r = .26$, $p < .001$), while most other associations did not reach significance, reflecting the heterogeneous and often non-normative gender experiences in this group.

Overall, these results highlight the importance of disaggregated analysis when examining the intersection of gender identity, expression, roles, sexuality, and discrimination. The variability in strength and statistical significance of associations across groups underscores the complexity of gendered psychological experiences.

Table SF57: Composite-level correlations among scales by group

Group	MIQ	TCS	OSRI	SOQ	MSPD
Men					
MIQ	1.00	-0.29^{***}	0.17^{**}	0.24^{***}	0.15^{**}
TCS		1.00	-0.04	-0.23^{***}	-0.11^{*}
OSRI			1.00	0.13^{*}	0.23^{***}
SOQ				1.00	0.21^{***}
MSPD					1.00
Women					
MIQ	1.00	-0.41^{***}	0.19^{***}	0.13^{*}	0.18^{***}
TCS		1.00	-0.08	-0.17^{**}	-0.17^{**}
OSRI			1.00	0.06	0.29^{***}
SOQ				1.00	0.14^{*}
MSPD					1.00
Transwomen					
MIQ	1.00	-0.33^{*}	0.24	$0.27^{\cdot}$	0.24
TCS		1.00	-0.12	$-0.28^{\cdot}$	-0.23
OSRI			1.00	0.24	0.24
SOQ				1.00	0.19
MSPD					1.00
Transmen					
MIQ	1.00	0.04	0.31^{**}	0.17	0.37^{***}
TCS		1.00	-0.08	-0.01	-0.08
OSRI			1.00	0.13	0.17
SOQ				1.00	0.12
MSPD					1.00
Non-binary individuals					
MIQ	1.00	-0.01	0.26^{***}	-0.04	0.03
TCS		1.00	0.09	$-0.11^{\cdot}$	-0.04
OSRI			1.00	0.00	0.19^{**}
SOQ				1.00	0.09
MSPD					1.00

Note. Superscripts denote significance: $^{\cdot}p < .10$, $^{*}p < .05$, $^{**}p < .01$, $^{***}p < .001$ (Holm-adjusted).

5. Factor Analysis

We first examined the inter-correlations of the variables of the subscales excluding the summary and expectation items, see in Table SF58 to identify variables with high correlation coefficients. This allowed us to identify strongly correlated pairwise relationships, defined as correlations exceeding ± 0.80 (Berry, 1985), which could indicate the presence of multicollinearity in the dataset.

5.1. Correlation Matrix - Excluding Supplementary Items

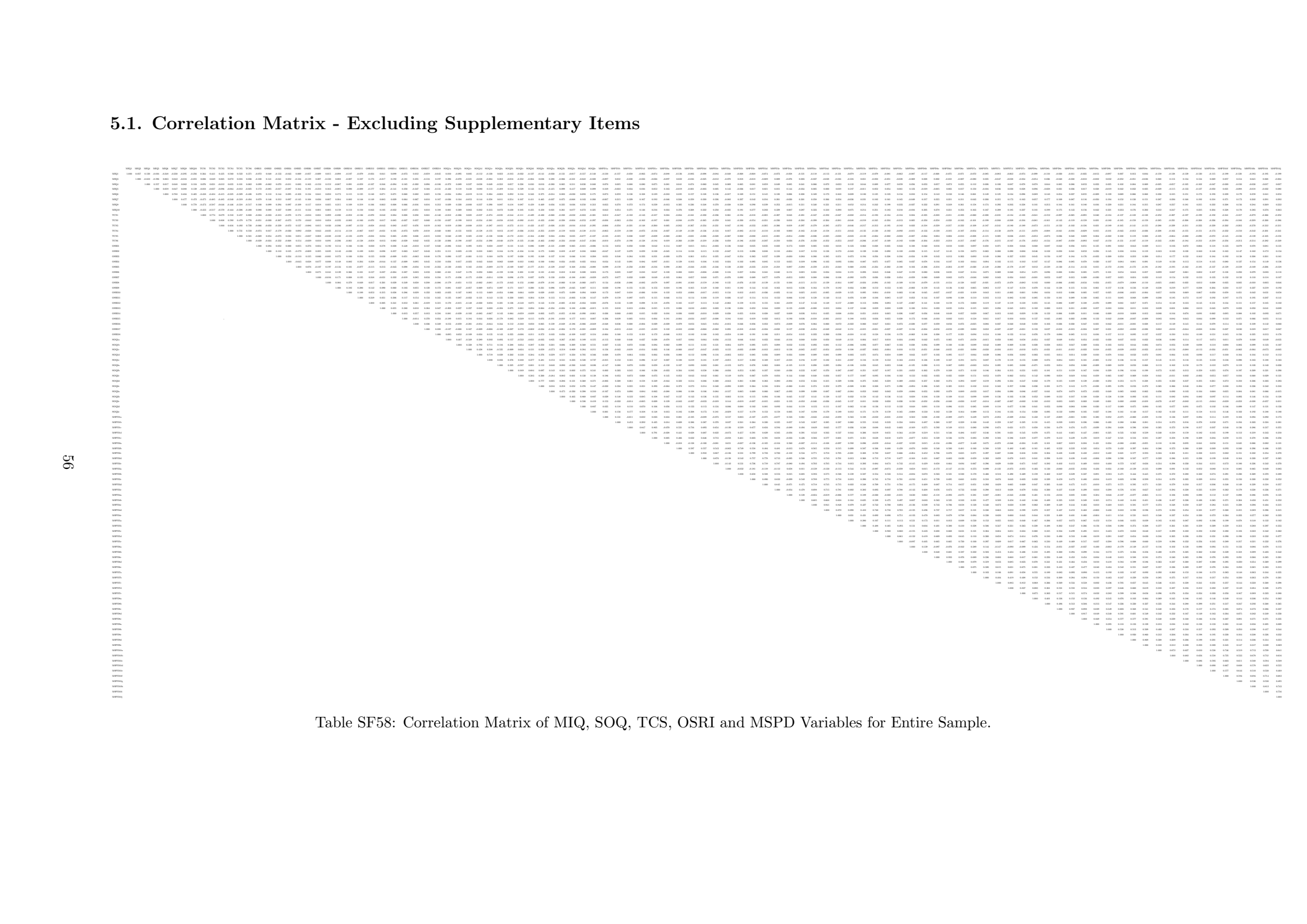

Table SF58: Correlation Matrix of MIQ, SOQ, TCS, OSRI and MSPD Variables for Entire Sample.

In Table SF59, we list all unique pairs of variables with correlations exceeding ±0.80:

Variable 1	Variable 2
TCS2	TCS3
SOQ1a	SOQ3a
SOQ1c	SOQ3c
SOQ3b	SOQ3d
SOQ3b	SOQ3e
SOQ3d	SOQ3e
MSPD1c	MSPD1d
MSPD1c	MSPD1e
MSPD2c	MSPD2d
MSPD2c	MSPD2e
MSPD3c	MSPD3d
MSPD3c	MSPD3e
MSPD4c	MSPD4d
MSPD4c	MSPD4e
MSPD5c	MSPD5d
MSPD5c	MSPD5e
MSPD6c	MSPD6d
MSPD6c	MSPD6e
MSPD7c	MSPD7d
MSPD7c	MSPD7e
MSPD8c	MSPD8d
MSPD8c	MSPD8e
MSPD9c	MSPD9d
MSPD9c	MSPD9e
MSPD10a	MSPD10b
MSPD10h	MSPD10i

Table SF59: Highly correlated pairs of variables exceeding ±0.80.

Last, we excluded one variable from each highly correlated pair, see in Table SF59, to calculate the Variance Inflation Factor (VIF) for the remaining variables. A VIF greater than 10, (O'Brien, 2007), indicates potential multicollinearity issues. In our dataset, see Table SF60, the VIF values for most variables were below this threshold, suggesting that multicollinearity is not a significant concern.

Item	**VIF**	**Item**	**VIF**	**Item**	**VIF**	**Item**	**VIF**	**Item**	**VIF**
MIQ1	1.734	MIQ3	2.166	MIQ4	2.079	MIQ5	2.558	MIQ6	2.969
MIQ7	3.479	MIQ9	3.199	MIQ10	3.162	TCS1	2.936	TCS2	3.553
TCS4	3.153	TCS5	2.815	OSRI1	1.412	OSRI2	1.414	OSRI3	1.397
OSRI4	1.231	OSRI5	1.343	OSRI6	1.485	OSRI7	1.317	OSRI8	1.372
OSRI9	1.352	OSRI10	1.419	OSRI11	1.364	OSRI12	1.421	OSRI13	1.543
OSRI14	1.384	OSRI15	1.599	OSRI16	1.394	OSRI17	1.308	OSRI18	1.570
SOQ1a	3.383	SOQ1b	5.986	SOQ1c	3.171	SOQ1d	4.462	SOQ1e	5.353
SOQ2a	3.698	SOQ2b	3.387	SOQ2c	3.554	SOQ2d	4.120	SOQ2e	4.466
SOQ3b	5.913	SOQ3e	6.797	MSPD1a	2.249	MSPD1b	2.258	MSPD1c	5.207
MSPD1e	4.559	MSPD2a	2.566	MSPD2b	3.570	MSPD2c	8.172	MSPD2e	7.881
MSPD3a	2.857	MSPD3b	3.936	MSPD3c	6.885	MSPD3e	6.618	MSPD4a	2.528
MSPD4b	3.964	MSPD4c	7.380	MSPD4e	6.374	MSPD5a	2.589	MSPD5b	2.893
MSPD5c	6.863	MSPD5e	7.776	MSPD6a	2.747	MSPD6b	3.791	MSPD6c	8.106
MSPD6e	7.536	MSPD7a	1.974	MSPD7b	2.018	MSPD7c	5.458	MSPD7e	4.815
MSPD8a	2.199	MSPD8b	2.644	MSPD8c	7.157	MSPD8e	7.449	MSPD9a	2.150
MSPD9b	3.003	MSPD9c	6.692	MSPD9e	6.063	MSPD10a	3.320	MSPD10c	2.582
MSPD10d	3.239	MSPD10e	2.466	MSPD10f	3.517	MSPD10g	2.498	MSPD10h	3.501
MSPD10j	2.883								

Table SF60: Variance Inflation Factor (VIF) for Assessing Multicollinearity.

	Item	KMO	Item	KMO	Item	KMO	Item	KMO
MIQ	MIQ1	0.92	MIQ3	0.86	MIQ4	0.85	MIQ5	0.90
	MIQ6	0.87	MIQ7	0.90	MIQ9	0.94	MIQ10	0.93
TCS	TCS1	0.95	TCS2	0.93	TCS3	0.95	TCS4	0.90
	TCS5	0.85						
OSRI	OSRI1	0.82	OSRI2	0.88	OSRI3	0.95	OSRI4	0.86
	OSRI5	0.94	OSRI6	0.84	OSRI7	0.87	OSRI8	0.88
	OSRI9	0.93	OSRI10	0.82	OSRI11	0.92	OSRI12	0.90
	OSRI13	0.87	OSRI14	0.80	OSRI15	0.84	OSRI16	0.85
	OSRI17	0.85	OSRI18	0.92				
SOQ	SOQ1a	0.77	SOQ1b	0.75	SOQ1c	0.80	SOQ1d	0.75
	SOQ1e	0.85	SOQ2a	0.89	SOQ2b	0.93	SOQ2c	0.89
	SOQ2d	0.93	SOQ2e	0.95	SOQ3a	0.79	SOQ3b	0.78
	SOQ3c	0.80	SOQ3d	0.77	SOQ3e	0.87		
MSPD	MSPD1a	0.90	MSPD1b	0.96	MSPD1c	0.96	MSPD1d	0.94
	MSPD1e	0.96	MSPD2a	0.89	MSPD2b	0.97	MSPD2c	0.95
	MSPD2d	0.95	MSPD2e	0.97	MSPD3a	0.89	MSPD3b	0.97
	MSPD3c	0.96	MSPD3d	0.95	MSPD3e	0.97	MSPD4a	0.90
	MSPD4b	0.97	MSPD4c	0.96	MSPD4d	0.96	MSPD4e	0.97
	MSPD5a	0.90	MSPD5b	0.96	MSPD5c	0.96	MSPD5d	0.95
	MSPD5e	0.96	MSPD6a	0.89	MSPD6b	0.96	MSPD6c	0.96
	MSPD6d	0.95	MSPD6e	0.97	MSPD7a	0.92	MSPD7b	0.96
	MSPD7c	0.96	MSPD7d	0.95	MSPD7e	0.97	MSPD8a	0.89
	MSPD8b	0.95	MSPD8c	0.92	MSPD8d	0.91	MSPD8e	0.95
	MSPD9a	0.86	MSPD9b	0.96	MSPD9c	0.95	MSPD9d	0.94
	MSPD9e	0.97	MSPD10a	0.94	MSPD10b	0.94	MSPD10c	0.97
	MSPD10d	0.96	MSPD10e	0.95	MSPD10f	0.97	MSPD10g	0.95
	MSPD10h	0.97	MSPD10i	0.96	MSPD10j	0.97		

Table SF61: KMO Sampling Adequacy Measure for Individual Items in Factor Analysis.

We checked the Kaiser-Meyer-Olkin (KMO) Measure of Sampling Adequacy and Bartlett's Test of Sphericity to confirm the suitability of our data for factor analysis, see Table SF61. All of the individual items are exceeding the threshold of 0.50.

5.2. Exploratory Factor Analysis - Excluding Supplementary Items

We conducted EFA of the five subscales, excluding the supplementary items. The EKC suggests 18 and PA 13 factors. Therefore, we started by hierarchically reducing the number of factors, beginning with the highest suggestion of 18 (EKC) and systematically decreasing to 13 (PA), to identify the difference(s) between the factor solutions.

For each factor solution, we provide the eigenvalues, variance explained, and cumulative variance for each factor, see Tables SF62, SF65, SF68, SF71, SF74 and SF77, and for each factor solution we provide the items of each factor that exceeded the threshold of 0.40, see Tables SF64, SF67, SF70, SF73, SF76 and SF79.

Factors	**Eigenvalues**	**VAR**	**CUM**
1	6.3891	0.0633	0.0633
2	4.7512	0.0470	0.1103
3	4.6807	0.0463	0.1566
4	4.3823	0.0434	0.2000
5	2.9495	0.0292	0.2292
6	2.7257	0.0270	0.2562
7	2.6429	0.0262	0.2824
8	2.6197	0.0259	0.3083
9	2.1318	0.0211	0.3294
10	2.0723	0.0205	0.3500
11	2.0485	0.0203	0.3702
12	2.0400	0.0202	0.3904
13	1.9515	0.0193	0.4098
14	1.8282	0.0181	0.4279
15	1.7559	0.0174	0.4452
16	1.5164	0.0150	0.4603
17	1.2781	0.0127	0.4729
18	0.6856	0.0068	0.4797

Table SF62: Factors, Eigenvalues, Variance Explained, and Cumulative Variance for 18 Factors (Oblimin Rotation).

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
MIQ1	-0.054	-0.065	0.004	0.592	0.013	-0.046	0.167	-0.011	0.005	0.020	-0.015	0.071	-0.026	0.021	-0.023	-0.012	-0.011	-0.014
MIQ3	0.115	-0.081	-0.457	0.085	-0.005	0.017	0.100	0.058	-0.120	-0.017	-0.032	-0.034	-0.048	0.000	-0.077	-0.009	0.063	0.088
MIQ4	-0.086	0.076	0.442	0.063	0.032	-0.050	-0.001	0.004	0.148	0.036	0.039	0.023	0.055	0.033	0.046	-0.019	-0.041	-0.116
MIQ5	-0.091	0.141	0.585	-0.030	0.021	-0.041	0.120	-0.097	0.147	0.021	0.023	0.022	0.018	-0.017	0.001	0.042	-0.018	-0.045
MIQ6	0.065	-0.003	0.020	-0.406	-0.009	-0.057	0.261	0.049	-0.017	0.002	0.059	-0.023	-0.039	-0.043	-0.020	0.011	0.050	-0.001
MIQ7	0.063	-0.058	0.033	-0.420	0.007	-0.076	0.301	0.063	-0.017	0.029	0.076	0.002	-0.031	0.013	0.022	-0.064	0.039	-0.017
MIQ9	0.044	0.034	-0.007	-0.504	0.061	0.035	0.245	-0.045	0.023	0.027	0.017	0.053	-0.013	0.084	0.112	-0.073	-0.048	-0.027
MIQ10	0.095	0.033	0.048	-0.441	0.040	0.033	0.240	-0.068	0.088	0.022	0.002	0.059	-0.003	0.089	0.110	-0.043	-0.083	-0.050
TCS1	0.002	0.054	0.011	0.711	0.034	-0.093	-0.085	-0.057	0.002	-0.037	-0.007	-0.026	-0.034	0.009	0.018	-0.001	-0.033	-0.031
TCS2	0.002	0.001	0.033	0.816	-0.007	-0.061	-0.052	-0.006	0.009	-0.020	0.002	-0.044	-0.027	-0.006	-0.027	-0.021	-0.011	0.016
TCS3	-0.037	0.018	-0.027	0.793	-0.014	-0.035	-0.094	0.020	-0.005	-0.021	-0.017	-0.043	0.006	-0.011	-0.038	0.013	0.010	0.017
TCS4	-0.042	-0.005	-0.005	0.793	0.023	0.043	0.122	0.019	-0.037	0.012	-0.006	0.030	-0.019	0.003	0.006	-0.027	-0.003	0.010
TCS5	0.029	-0.049	0.005	0.726	-0.011	0.074	0.080	-0.031	-0.048	0.037	0.056	0.117	0.002	-0.002	0.065	-0.044	-0.031	-0.050
OSRI1	0.078	0.169	0.118	-0.002	0.019	-0.117	0.147	-0.046	0.063	-0.038	0.014	-0.003	0.079	-0.028	-0.047	0.016	0.004	-0.042
OSRI2	0.128	0.003	-0.143	0.135	-0.025	-0.029	0.232	0.009	-0.028	0.066	-0.025	0.033	-0.040	0.054	0.055	0.009	-0.050	0.055
OSRI3	0.043	0.005	-0.053	-0.141	0.028	0.106	0.082	0.065	-0.007	-0.036	0.102	0.054	0.058	-0.016	0.091	-0.002	0.026	-0.074
OSRI4	0.102	0.029	-0.064	0.011	0.028	0.022	0.073	0.031	-0.038	0.014	0.029	-0.010	0.045	0.028	-0.012	-0.050	-0.000	0.021
OSRI5	-0.076	0.116	0.156	0.049	0.007	0.002	-0.082	-0.123	0.037	0.023	-0.109	-0.028	0.030	-0.025	-0.075	-0.015	-0.027	-0.028
OSRI6	0.045	0.156	0.204	0.012	0.080	-0.070	0.174	0.019	0.047	-0.001	-0.025	-0.002	0.031	-0.042	-0.037	0.001	0.026	-0.035
OSRI7	0.166	-0.074	-0.211	0.123	-0.010	-0.083	0.134	0.029	-0.028	-0.027	-0.030	-0.034	-0.003	-0.029	0.058	-0.015	0.067	0.050
OSRI8	0.085	0.090	0.205	0.021	0.067	-0.067	0.041	-0.030	-0.003	-0.047	0.010	-0.053	0.055	-0.110	-0.089	0.016	-0.035	-0.082
OSRI9	0.131	0.032	-0.093	-0.098	0.030	0.043	0.161	0.046	-0.073	-0.044	0.041	0.024	0.025	0.000	0.003	0.005	0.015	0.052
OSRI10	0.006	0.178	0.050	-0.082	0.006	-0.007	0.058	0.017	0.079	-0.050	0.019	-0.013	0.031	0.018	-0.035	0.018	-0.051	-0.028
OSRI11	0.114	0.093	-0.130	-0.004	0.051	0.069	0.236	0.032	-0.037	-0.045	-0.001	-0.022	-0.006	-0.005	0.022	-0.002	0.049	0.048
OSRI12	0.095	-0.046	-0.210	0.061	0.059	-0.041	0.178	0.053	-0.062	0.071	0.025	-0.105	0.019	-0.032	0.012	-0.039	0.087	0.055
OSRI13	0.030	0.171	0.282	0.069	-0.023	-0.100	0.173	-0.079	0.067	0.050	-0.049	-0.045	0.102	0.007	-0.065	0.020	0.046	-0.050
OSRI14	0.122	0.046	-0.143	0.187	0.010	-0.082	0.141	0.014	-0.023	0.050	0.009	-0.059	0.028	-0.039	-0.028	-0.036	0.037	0.040
OSRI15	0.072	0.229	0.219	0.012	-0.030	-0.058	0.160	-0.045	0.014	-0.006	-0.010	-0.032	0.049	-0.048	-0.075	0.059	0.072	-0.043
OSRI16	0.144	0.006	-0.249	0.185	0.039	-0.051	0.196	0.012	-0.083	-0.013	-0.083	-0.104	0.022	0.042	0.003	0.045	0.022	0.068
OSRI17	0.018	0.162	0.173	0.040	-0.006	-0.020	0.046	-0.007	0.008	-0.022	0.006	-0.006	0.030	-0.035	-0.025	-0.017	0.024	-0.016
OSRI18	0.112	-0.015	-0.137	0.042	0.019	-0.018	0.281	0.053	-0.035	0.050	0.019	-0.038	-0.013	0.000	0.077	-0.053	0.056	0.084
SOQ1a	-0.014	0.009	-0.798	0.050	0.022	0.010	-0.044	-0.016	0.363	0.011	0.016	-0.015	0.033	-0.014	0.006	0.001	0.005	-0.033
SOQ1b	0.016	-0.001	-0.032	-0.035	0.009	0.019	0.006	0.022	0.976	-0.003	0.001	0.005	-0.006	0.003	-0.000	0.010	0.003	-0.000
SOQ1c	-0.021	0.028	0.699	0.100	-0.005	0.157	-0.033	-0.012	0.333	0.000	0.019	-0.046	0.043	-0.032	-0.016	-0.009	0.026	-0.010

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
SOQ1d	0.036	-0.009	0.039	-0.041	-0.035	0.297	0.074	-0.039	0.605	0.039	-0.026	-0.002	0.005	0.042	-0.001	-0.012	-0.020	0.013
SOQ1e	0.023	-0.057	0.050	-0.068	-0.022	0.160	0.212	0.007	0.559	0.004	-0.007	0.047	-0.025	0.056	0.033	-0.027	0.046	0.014
SOQ2a	0.029	-0.002	-0.819	0.069	0.013	-0.025	0.212	-0.018	0.024	0.005	-0.001	-0.006	0.047	-0.016	0.008	-0.004	0.007	-0.001
SOQ2b	0.040	0.023	-0.116	-0.028	0.041	-0.029	0.684	0.014	0.201	0.041	0.026	-0.020	0.033	0.016	-0.001	0.017	0.001	-0.019
SOQ2c	0.008	0.082	0.711	0.053	0.016	0.092	0.281	-0.005	-0.011	-0.032	0.022	-0.005	0.032	-0.030	-0.024	0.047	0.036	-0.021
SOQ2d	0.018	-0.001	0.072	-0.081	-0.020	0.131	0.721	0.013	0.009	0.049	-0.011	-0.006	0.047	0.031	0.036	0.027	0.021	0.026
SOQ2e	0.033	-0.055	0.038	-0.100	-0.006	0.064	0.748	0.056	-0.004	0.017	0.045	0.038	0.011	0.035	0.028	0.015	0.046	-0.006
SOQ3a	-0.024	0.020	-0.805	0.017	0.013	0.418	-0.057	-0.015	0.026	0.004	0.041	-0.013	0.042	0.006	0.006	0.011	-0.001	-0.036
SOQ3b	0.013	0.013	-0.099	-0.039	0.035	0.740	-0.003	0.030	0.259	-0.000	0.007	-0.003	0.010	-0.004	0.013	0.037	-0.013	-0.012
SOQ3c	-0.008	0.036	0.621	0.096	0.017	0.582	-0.066	-0.008	0.030	-0.023	0.004	-0.030	0.035	-0.031	-0.011	0.019	0.009	-0.015
SOQ3d	0.016	0.020	-0.043	-0.054	0.013	0.915	0.046	-0.011	0.036	0.030	0.010	-0.007	-0.007	0.016	-0.001	0.005	-0.008	0.005
SOQ3e	0.028	-0.032	-0.010	-0.075	-0.010	0.730	0.162	0.023	0.090	-0.023	0.001	0.059	-0.006	0.034	0.024	-0.007	0.029	0.002
MSPD1a	0.033	0.712	0.036	-0.026	-0.026	-0.012	0.011	-0.044	-0.003	-0.046	0.127	-0.028	-0.014	-0.047	0.021	-0.002	-0.020	-0.028
MSPD1b	0.019	0.014	-0.016	-0.090	-0.011	-0.009	0.098	0.490	0.039	0.010	0.323	-0.015	0.028	-0.005	0.037	-0.029	-0.021	0.027
MSPD1c	0.018	-0.036	0.001	0.010	0.044	0.005	0.045	0.045	-0.017	-0.014	0.730	0.076	0.034	0.097	0.088	0.030	-0.021	-0.112
MSPD1d	0.010	0.013	-0.013	0.005	0.036	-0.007	-0.055	-0.009	-0.009	0.030	0.821	0.014	0.041	0.009	-0.035	0.034	0.097	-0.072
MSPD1e	0.020	0.033	0.014	-0.001	0.025	0.004	0.025	0.001	-0.001	0.050	0.740	0.026	0.031	0.063	0.026	0.040	-0.013	0.223
MSPD2a	-0.011	0.777	-0.010	-0.025	0.017	-0.009	-0.011	-0.064	0.035	-0.019	0.044	-0.003	0.013	0.018	-0.086	-0.007	-0.019	0.019
MSPD2b	0.036	-0.046	0.001	-0.043	0.025	0.002	0.056	0.582	0.006	0.027	0.106	-0.002	0.081	0.226	0.046	0.000	0.018	-0.036
MSPD2c	0.011	-0.025	-0.000	0.007	0.035	0.004	0.030	0.025	0.001	0.039	0.025	0.001	0.046	0.823	0.068	0.046	0.001	-0.078
MSPD2d	0.025	0.007	-0.014	-0.018	0.014	-0.001	-0.053	-0.001	0.014	0.031	0.109	-0.013	0.071	0.660	0.021	0.057	0.161	-0.041
MSPD2e	0.021	0.007	0.013	-0.002	0.024	0.004	-0.003	-0.005	0.023	0.070	0.106	0.028	0.055	0.645	0.029	0.045	0.060	0.240
MSPD3a	-0.008	0.780	0.003	0.024	-0.020	-0.019	0.012	-0.001	-0.010	-0.064	-0.004	-0.073	0.053	-0.034	-0.046	0.012	0.041	0.036
MSPD3b	0.041	-0.028	0.018	0.035	-0.022	0.000	0.020	0.591	0.019	0.022	0.072	0.067	0.038	0.095	0.060	0.063	0.231	-0.055
MSPD3c	-0.020	-0.055	0.012	-0.002	0.064	-0.012	0.057	0.078	0.016	0.060	0.028	0.049	0.041	0.210	0.164	0.071	0.474	-0.060
MSPD3d	0.019	-0.004	-0.005	-0.028	0.046	-0.001	0.009	-0.005	-0.000	0.072	0.060	0.021	0.044	0.052	0.061	0.056	0.772	-0.029
MSPD3e	0.012	-0.017	0.002	-0.011	0.043	-0.007	0.029	0.003	0.023	0.094	0.059	0.086	0.067	0.112	0.121	0.086	0.447	0.293
MSPD4a	-0.024	0.756	-0.001	0.023	0.004	0.003	0.000	0.012	0.005	-0.081	-0.043	-0.050	0.012	-0.041	0.131	0.014	0.021	0.038
MSPD4b	0.083	0.045	-0.026	-0.029	0.019	-0.001	0.075	0.477	0.004	0.049	0.063	0.037	0.029	-0.020	0.414	0.017	-0.012	-0.014
MSPD4c	0.039	0.002	-0.002	-0.005	0.051	0.009	-0.004	0.014	-0.005	0.075	0.028	0.031	0.050	0.114	0.694	0.064	0.051	-0.065
MSPD4d	0.041	0.018	0.000	-0.028	0.036	0.003	-0.029	-0.026	-0.011	0.074	0.056	0.040	0.061	0.060	0.702	0.055	0.107	-0.043
MSPD4e	0.041	-0.007	0.012	-0.025	0.025	-0.016	0.015	-0.015	0.027	0.073	0.042	0.018	0.082	0.062	0.588	0.084	0.111	0.235
MSPD5a	-0.045	0.768	0.006	-0.021	-0.016	0.029	-0.009	0.051	-0.062	-0.024	-0.014	0.050	-0.029	0.013	0.078	0.110	-0.010	-0.064
MSPD5b	0.096	0.106	-0.003	-0.036	0.026	0.042	0.051	0.583	-0.008	0.021	0.001	-0.044	-0.007	0.037	-0.008	0.330	-0.029	0.085
MSPD5c	0.016	-0.016	0.002	-0.022	0.059	-0.001	0.028	0.034	-0.007	0.041	0.063	0.093	0.057	0.103	0.089	0.675	0.008	-0.085

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
MSPD5d	0.051	-0.002	0.001	-0.029	0.058	0.004	-0.025	-0.004	-0.010	0.083	0.077	0.054	0.067	0.037	0.012	0.673	0.131	-0.074
MSPD5e	0.024	0.016	0.012	0.003	0.058	0.000	0.025	0.003	0.023	0.106	0.055	0.081	0.035	0.071	0.091	0.582	0.058	0.250
MSPD6a	0.011	0.732	0.009	-0.013	0.028	0.021	-0.035	-0.001	0.000	0.173	-0.037	-0.096	-0.016	-0.035	-0.033	-0.088	-0.069	0.045
MSPD6b	0.060	0.055	0.008	-0.033	0.016	-0.012	-0.017	0.555	0.019	0.444	-0.005	0.009	0.014	0.018	0.037	-0.023	-0.021	-0.043
MSPD6c	0.009	-0.042	-0.009	-0.001	0.033	0.003	0.040	0.028	-0.018	0.743	0.025	0.039	0.049	0.077	0.096	0.052	0.018	-0.100
MSPD6d	0.028	-0.013	0.002	-0.006	0.029	-0.007	-0.011	-0.029	-0.000	0.779	0.047	0.029	0.058	0.023	0.040	0.051	0.099	-0.068
MSPD6e	0.029	-0.006	0.006	-0.011	0.033	0.015	0.024	-0.009	0.012	0.732	0.031	0.039	0.069	0.045	0.014	0.059	0.035	0.204
MSPD7a	0.108	0.572	0.007	0.001	-0.016	0.000	0.053	0.031	0.030	0.019	-0.026	0.086	-0.027	0.060	0.043	0.019	-0.038	-0.100
MSPD7b	0.027	0.059	0.010	-0.063	0.079	0.022	0.018	0.499	-0.040	-0.016	-0.022	-0.082	0.337	-0.041	0.013	-0.015	0.026	0.047
MSPD7c	0.031	-0.040	-0.006	-0.024	0.029	-0.002	0.055	0.022	-0.025	0.018	0.030	0.100	0.726	0.086	0.064	0.040	-0.028	-0.121
MSPD7d	0.020	0.012	-0.025	-0.001	0.019	-0.020	-0.024	-0.013	-0.015	0.078	0.073	0.042	0.782	-0.008	0.018	0.019	0.081	-0.077
MSPD7e	0.015	-0.002	-0.004	-0.021	0.057	-0.005	-0.006	0.013	0.007	0.036	0.008	0.045	0.730	0.073	0.013	0.031	0.010	0.220
MSPD8a	0.118	0.565	0.001	-0.022	0.087	0.009	-0.014	0.100	-0.031	0.048	0.005	0.053	-0.046	0.035	-0.058	-0.065	0.021	-0.046
MSPD8b	0.108	0.125	0.000	-0.012	0.436	-0.031	0.009	0.435	0.011	0.008	-0.024	-0.022	0.035	-0.018	0.028	-0.064	0.025	0.003
MSPD8c	0.008	-0.035	0.005	-0.004	0.940	0.010	0.006	-0.000	-0.013	-0.018	-0.008	0.015	0.026	0.019	-0.002	0.032	-0.032	-0.061
MSPD8d	-0.001	0.006	-0.005	0.015	0.957	0.004	-0.020	-0.025	-0.007	0.024	0.023	0.013	-0.009	-0.018	-0.015	0.016	0.038	-0.049
MSPD8e	-0.014	0.002	-0.005	0.001	0.908	-0.005	0.001	-0.009	0.011	0.006	0.019	0.029	0.004	0.015	0.027	-0.015	0.008	0.128
MSPD9a	0.101	0.568	-0.053	0.053	-0.071	0.013	-0.040	0.094	0.001	0.008	-0.088	0.293	-0.058	0.074	-0.077	-0.076	0.024	0.037
MSPD9b	0.110	0.053	0.016	-0.003	0.025	0.023	0.006	0.493	0.038	0.017	-0.016	0.382	-0.001	0.039	0.033	-0.021	0.030	0.012
MSPD9c	-0.003	-0.034	0.009	-0.001	0.094	0.004	0.014	0.012	-0.006	0.030	0.039	0.749	0.097	0.054	0.045	0.063	-0.001	-0.082
MSPD9d	0.019	-0.001	-0.003	0.002	0.080	0.002	-0.034	-0.025	-0.001	0.060	0.076	0.757	0.075	-0.034	0.010	0.074	0.086	-0.042
MSPD9e	0.031	-0.016	0.008	0.019	0.072	-0.008	0.012	-0.020	0.031	0.045	0.072	0.683	0.090	0.041	0.044	0.057	0.014	0.195
MSPD10a	0.828	0.039	0.004	-0.018	-0.004	0.014	-0.013	-0.001	-0.030	0.020	0.015	0.043	0.016	0.028	-0.015	-0.031	0.047	-0.044
MSPD10b	0.864	0.020	-0.045	0.044	-0.008	0.001	-0.033	0.008	-0.030	-0.004	-0.008	0.067	0.010	0.035	-0.012	-0.007	0.003	-0.030
MSPD10c	0.773	-0.016	-0.049	0.034	-0.010	-0.010	-0.027	0.001	0.045	0.003	-0.006	-0.005	0.028	-0.014	-0.040	0.012	0.009	0.014
MSPD10d	0.774	-0.047	-0.052	0.060	-0.033	-0.033	0.021	0.043	0.037	0.002	0.024	-0.037	-0.002	-0.055	0.095	0.031	-0.038	0.020
MSPD10e	0.662	-0.014	-0.001	0.016	-0.005	-0.011	0.043	0.013	0.038	0.030	0.028	-0.016	-0.000	-0.068	0.040	0.031	-0.019	0.002
MSPD10f	0.849	0.051	0.040	-0.048	0.023	-0.012	0.002	-0.065	0.008	-0.007	0.023	-0.040	-0.022	0.021	-0.019	0.049	-0.012	0.002
MSPD10g	0.716	-0.036	-0.021	0.021	-0.069	0.028	-0.020	0.038	0.005	0.042	0.011	-0.074	-0.011	-0.064	0.007	0.069	-0.032	0.060
MSPD10h	0.758	0.004	0.018	-0.091	0.064	0.050	0.013	0.007	-0.033	0.004	-0.034	0.041	-0.037	0.034	0.031	-0.028	0.059	-0.003
MSPD10i	0.794	-0.020	0.018	-0.030	0.019	-0.006	0.023	0.011	0.023	-0.001	-0.006	0.037	0.037	0.048	0.025	-0.017	-0.008	-0.007
MSPD10j	0.739	0.025	0.113	-0.078	0.055	0.012	0.016	-0.020	0.005	-0.010	0.013	-0.030	0.052	0.015	-0.008	-0.029	-0.001	0.014

Table SF63: EFA for Total Sample (Excluding Supplementary Items): 18 Factors Using Oblimin Rotation.

In Table SF64, we listed the items of each factor that exceeded the threshold of 0.40. In Factor 18, we did not have any loading exceeding this threshold.

Factor	**Items**
F1	MSPD10a, MSPD10b, MSPD10c, MSPD10d, MSPD10e, MSPD10f, MSPD10g, MSPD10h, MSPD10i, MSPD10j
F2	MSPD1a, MSPD2a, MSPD3a, MSPD4a, MSPD5a, MSPD6a, MSPD7a, MSPD8a, MSPD9a
F3	MIQ4, MIQ5, SOQ1c, SOQ2c, SOQ3c
F4	MIQ1, TCS1, TCS2, TCS3, TCS4, TCS5
F5	MSPD8c, MSPD8d, MSPD8e
F6	SOQ3a, SOQ3b, SOQ3d, SOQ3e
F7	SOQ2b, SOQ2d, SOQ2e
F8	MSPD1b, MSPD2b, MSPD3b, MSPD5b, MSPD7b
F9	SOQ1b, SOQ1d, SOQ1e
F10	MSPD6c, MSPD6d, MSPD6e
F11	MSPD1c, MSPD1d, MSPD1e
F12	MSPD9c, MSPD9d, MSPD9e
F13	MSPD7c, MSPD7d, MSPD7e
F14	MSPD2c, MSPD2d, MSPD2e
F15	MSPD4c, MSPD4d, MSPD4e
F16	MSPD5c, MSPD5d, MSPD5e
F17	MSPD3c, MSPD3d, MSPD3e
F18	-

Table SF64: Factor Structure and Items: 18 Factors (Oblimin Rotation).

Factors	**Eigenvalues**	**VAR**	**CUM**
1	6.3678	0.0630	0.0630
2	4.5773	0.0453	0.1084
3	4.4264	0.0438	0.1522
4	4.3040	0.0426	0.1948
5	3.0421	0.0301	0.2249
6	2.8470	0.0282	0.2531
7	2.8129	0.0279	0.2810
8	2.6964	0.0267	0.3077
9	2.4246	0.0240	0.3317
10	2.2447	0.0222	0.3539
11	2.2215	0.0220	0.3759
12	2.1810	0.0216	0.3975
13	2.1576	0.0214	0.4188
14	2.0860	0.0207	0.4395
15	2.0792	0.0206	0.4601
16	1.7755	0.0176	0.4777
17	0.6984	0.0069	0.4846

Table SF65: Factors, Eigenvalues, Variance Explained, and Cumulative Variance for 17 Factors (Oblimin Rotation).

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17
MIQ1	-0.054	-0.063	0.589	-0.001	0.012	-0.003	-0.014	-0.045	0.164	0.078	0.020	0.005	0.006	-0.021	-0.030	-0.023	-0.012
MIQ3	0.124	-0.061	0.095	0.396	0.001	0.000	0.042	0.000	0.133	-0.043	-0.009	-0.153	-0.124	-0.068	-0.042	-0.003	0.102
MIQ4	-0.100	0.033	0.047	-0.355	0.022	0.029	0.030	-0.027	-0.068	0.039	0.036	0.249	0.143	0.048	0.044	-0.025	-0.118
MIQ5	-0.102	0.117	-0.037	-0.517	0.016	-0.013	-0.084	-0.021	0.080	0.031	0.021	0.199	0.150	-0.001	0.011	0.045	-0.049
MIQ6	0.054	-0.036	-0.413	0.017	-0.011	-0.004	0.063	-0.050	0.212	-0.023	0.003	0.163	-0.032	-0.020	-0.032	0.035	0.019
MIQ7	0.053	-0.084	-0.426	-0.003	0.008	0.056	0.078	-0.073	0.262	0.003	0.026	0.139	-0.027	0.021	-0.022	-0.048	-0.004
MIQ9	0.028	-0.012	-0.532	0.064	0.045	0.037	-0.019	0.052	0.169	0.075	0.028	0.208	0.002	0.122	-0.031	-0.096	-0.006
MIQ10	0.081	-0.009	-0.472	0.008	0.023	0.017	-0.042	0.053	0.165	0.087	0.022	0.196	0.071	0.119	-0.024	-0.081	-0.027
TCS1	-0.008	0.026	0.702	0.032	0.026	-0.008	-0.045	-0.080	-0.124	-0.013	-0.037	0.122	-0.007	0.026	-0.047	-0.011	-0.017
TCS2	-0.004	-0.010	0.815	-0.013	-0.010	-0.006	-0.002	-0.053	-0.064	-0.038	-0.022	0.049	0.004	-0.023	-0.027	-0.021	0.021
TCS3	-0.037	0.020	0.798	0.028	-0.013	0.000	0.016	-0.033	-0.087	-0.043	-0.018	-0.017	-0.004	-0.035	0.003	0.011	0.018
TCS4	-0.040	0.003	0.795	0.001	0.025	0.000	0.013	0.042	0.131	0.030	0.010	-0.025	-0.035	0.005	-0.017	-0.031	0.007
TCS5	0.026	-0.050	0.720	0.013	-0.009	0.011	-0.029	0.077	0.073	0.126	0.027	0.027	-0.050	0.059	0.010	-0.045	-0.056
OSRI1	0.055	0.098	-0.020	-0.013	0.002	-0.032	-0.023	-0.095	0.042	0.012	-0.027	0.364	0.038	-0.035	0.057	0.019	-0.006
OSRI2	0.112	-0.044	0.118	0.197	-0.045	0.010	0.032	-0.009	0.160	0.049	0.068	0.202	-0.056	0.057	-0.068	-0.022	0.081
OSRI3	0.027	-0.039	-0.152	0.117	0.024	0.040	0.089	0.122	0.024	0.067	-0.037	0.203	-0.034	0.092	0.059	0.012	-0.058
OSRI4	0.092	-0.002	0.003	0.104	0.021	0.053	0.044	0.034	0.028	-0.007	0.015	0.140	-0.057	-0.016	0.038	-0.052	0.028
OSRI5	-0.087	0.078	0.038	-0.097	-0.011	-0.084	-0.123	0.020	-0.141	-0.026	0.037	0.180	0.027	-0.066	-0.002	-0.033	-0.014
OSRI6	0.013	0.066	-0.009	-0.078	0.055	-0.073	0.052	-0.037	0.045	0.018	0.017	0.435	0.013	-0.018	-0.002	0.003	0.009
OSRI7	0.153	-0.117	0.115	0.250	-0.020	-0.023	0.040	-0.072	0.069	-0.030	-0.013	0.165	-0.053	0.076	-0.023	-0.016	0.082
OSRI8	0.056	0.001	-0.003	-0.075	0.043	-0.122	0.000	-0.026	-0.093	-0.036	-0.039	0.436	-0.044	-0.088	0.032	0.014	-0.045
OSRI9	0.111	-0.021	-0.112	0.159	0.017	0.018	0.069	0.063	0.084	0.038	-0.039	0.240	-0.104	0.008	0.014	0.004	0.084
OSRI10	-0.024	0.089	-0.112	0.078	-0.022	0.003	0.057	0.029	-0.075	0.012	-0.044	0.421	0.038	-0.033	-0.001	0.003	0.009
OSRI11	0.093	0.029	-0.019	0.207	0.036	0.010	0.055	0.087	0.141	-0.010	-0.033	0.282	-0.067	0.037	-0.033	-0.008	0.084
OSRI12	0.075	-0.107	0.050	0.275	0.051	0.016	0.073	-0.024	0.091	-0.102	0.087	0.250	-0.096	0.026	0.006	-0.027	0.093
OSRI13	-0.001	0.073	0.046	-0.139	-0.051	-0.011	-0.053	-0.063	0.029	-0.028	0.082	0.493	0.032	-0.037	0.059	0.010	-0.001
OSRI14	0.106	-0.005	0.176	0.201	0.001	-0.015	0.029	-0.058	0.067	-0.056	0.060	0.216	-0.063	-0.023	0.017	-0.030	0.069
OSRI15	0.043	0.142	-0.004	-0.093	-0.051	-0.029	-0.022	-0.028	0.035	-0.018	0.020	0.445	-0.018	-0.052	0.016	0.069	0.006
OSRI16	0.136	-0.031	0.175	0.276	0.024	0.000	0.021	-0.038	0.138	-0.100	0.005	0.135	-0.108	0.022	-0.012	0.019	0.101
OSRI17	-0.013	0.074	0.019	-0.049	-0.030	-0.026	0.024	0.017	-0.082	0.012	-0.006	0.417	-0.030	-0.010	0.003	-0.017	0.025
OSRI18	0.096	-0.059	0.031	0.184	0.011	0.031	0.070	0.001	0.213	-0.032	0.060	0.194	-0.069	0.084	-0.029	-0.055	0.112
SOQ1a	-0.016	-0.007	0.042	0.824	0.020	-0.002	-0.007	-0.011	-0.067	-0.012	0.012	0.008	0.351	0.004	0.031	0.009	-0.024
SOQ1b	0.018	0.002	-0.036	0.068	0.013	0.003	0.025	0.030	0.013	0.004	-0.005	0.018	0.944	-0.003	-0.006	0.011	0.000
SOQ1c	-0.026	0.019	0.103	-0.640	-0.003	-0.008	-0.011	0.165	-0.049	-0.048	0.001	0.127	0.358	-0.010	0.050	0.002	-0.015

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17
SOQ1d	0.043	0.003	-0.039	-0.026	-0.032	0.021	-0.042	0.273	0.088	-0.005	0.034	-0.028	0.632	-0.002	0.001	-0.023	0.006
SOQ1e	0.030	-0.043	-0.060	-0.053	-0.014	0.049	0.003	0.136	0.238	0.046	0.005	-0.041	0.587	0.044	-0.024	-0.024	0.015
SOQ2a	0.032	-0.008	0.063	0.799	0.013	-0.019	-0.015	-0.048	0.199	-0.003	0.007	-0.041	0.013	0.008	0.041	-0.011	0.010
SOQ2b	0.038	0.021	-0.027	0.133	0.044	0.012	0.019	-0.037	0.677	-0.018	0.038	0.080	0.196	-0.008	0.027	0.010	-0.014
SOQ2c	0.005	0.091	0.066	-0.679	0.022	-0.003	-0.014	0.102	0.295	-0.012	-0.032	0.088	0.003	-0.024	0.037	0.062	-0.029
SOQ2d	0.020	0.025	-0.068	-0.088	-0.013	0.008	0.001	0.112	0.758	-0.010	0.048	-0.020	0.024	0.036	0.043	0.016	0.023
SOQ2e	0.033	-0.032	-0.082	-0.056	0.007	0.047	0.047	0.042	0.799	0.036	0.014	-0.013	0.009	0.025	0.016	0.022	-0.006
SOQ3a	-0.027	0.003	0.010	0.828	0.009	0.024	-0.005	0.407	-0.076	-0.007	0.006	-0.005	0.005	0.003	0.043	0.021	-0.027
SOQ3b	0.011	0.007	-0.040	0.130	0.032	-0.012	0.035	0.753	-0.005	-0.002	0.001	0.013	0.235	0.008	0.007	0.034	-0.008
SOQ3c	-0.017	0.019	0.097	-0.560	0.014	-0.019	-0.006	0.603	-0.088	-0.031	-0.020	0.130	0.037	-0.008	0.034	0.022	-0.018
SOQ3d	0.017	0.022	-0.052	0.056	0.012	0.012	-0.012	0.906	0.054	-0.008	0.030	-0.026	0.045	-0.004	-0.006	0.001	0.002
SOQ3e	0.031	-0.027	-0.068	0.011	-0.008	0.027	0.020	0.722	0.180	0.060	-0.020	-0.035	0.099	0.030	-0.007	-0.007	0.005
MSPD1a	0.028	0.695	-0.031	-0.005	-0.020	0.017	-0.029	-0.008	-0.003	-0.019	-0.061	0.103	-0.008	0.013	0.012	0.021	-0.025
MSPD1b	0.010	0.005	-0.091	0.037	0.006	0.147	0.527	-0.004	0.093	-0.003	-0.025	0.068	0.024	-0.003	0.087	0.015	0.014
MSPD1c	0.009	-0.039	-0.004	0.032	0.094	0.406	0.100	0.008	0.065	0.123	-0.068	0.071	-0.030	0.054	0.176	0.149	-0.120
MSPD1d	0.004	0.021	0.012	0.029	0.107	0.453	0.037	-0.016	0.004	0.040	-0.027	0.024	-0.021	-0.074	0.213	0.212	-0.096
MSPD1e	0.009	0.034	-0.013	0.011	0.076	0.426	0.056	0.009	0.037	0.068	-0.007	0.067	-0.013	-0.026	0.175	0.157	0.175
MSPD2a	-0.006	0.783	-0.023	0.008	0.024	0.058	-0.067	-0.015	0.003	0.000	-0.024	-0.001	0.041	-0.095	0.020	-0.002	0.010
MSPD2b	0.035	-0.059	-0.046	0.008	0.026	0.259	0.610	0.005	0.050	0.010	0.027	0.034	0.003	0.047	0.080	-0.007	-0.043
MSPD2c	0.022	-0.043	-0.016	0.008	0.022	0.738	0.054	0.014	0.035	0.042	0.070	0.011	0.002	0.132	0.016	0.008	-0.081
MSPD2d	0.043	0.011	-0.013	-0.004	0.028	0.784	0.011	-0.007	-0.009	-0.005	0.060	-0.058	0.018	0.065	0.061	0.064	-0.072
MSPD2e	0.031	0.010	-0.011	-0.027	0.028	0.736	0.015	0.009	0.012	0.052	0.087	-0.033	0.027	0.050	0.037	0.017	0.211
MSPD3a	-0.002	0.792	0.032	-0.018	-0.012	-0.010	-0.012	-0.025	0.035	-0.079	-0.060	-0.028	-0.003	-0.037	0.061	0.024	0.035
MSPD3b	0.041	-0.049	0.044	-0.011	-0.012	0.173	0.595	-0.004	0.012	0.068	0.053	0.047	0.015	0.099	0.044	0.107	-0.041
MSPD3c	-0.017	-0.088	0.007	-0.004	0.081	0.332	0.072	-0.019	0.040	0.049	0.135	0.074	0.011	0.269	0.051	0.152	-0.026
MSPD3d	0.025	-0.031	0.010	-0.013	0.089	0.347	-0.029	-0.026	0.022	-0.008	0.171	0.026	-0.003	0.189	0.082	0.215	0.004
MSPD3e	0.012	-0.038	0.000	-0.007	0.063	0.298	-0.006	-0.013	0.010	0.081	0.157	0.050	0.019	0.195	0.080	0.162	0.298
MSPD4a	-0.022	0.759	0.026	-0.002	0.005	-0.057	0.007	0.001	0.007	-0.054	-0.079	0.003	0.009	0.149	0.010	0.012	0.043
MSPD4b	0.080	0.052	-0.029	0.017	0.022	-0.032	0.498	-0.005	0.088	0.042	0.030	-0.031	0.009	0.416	0.037	0.004	-0.016
MSPD4c	0.041	0.002	-0.013	0.004	0.052	0.086	0.030	0.011	0.007	0.039	0.073	-0.014	-0.004	0.737	0.053	0.057	-0.063
MSPD4d	0.042	0.019	-0.029	0.001	0.045	0.082	-0.015	0.002	-0.015	0.039	0.071	-0.008	-0.010	0.752	0.075	0.068	-0.045
MSPD4e	0.039	0.000	-0.028	-0.026	0.031	0.093	-0.006	-0.015	0.024	0.023	0.073	-0.031	0.032	0.627	0.088	0.091	0.238
MSPD5a	-0.042	0.759	-0.024	0.004	-0.019	-0.011	0.057	0.033	-0.011	0.059	-0.022	0.037	-0.066	0.091	-0.041	0.104	-0.064
MSPD5b	0.009	-0.035	-0.004	0.019	0.062	-0.010	0.379	-0.001	-0.014	-0.027	0.072	0.032	0.028	0.022	0.015	0.024	-0.016
MSPD5c	-0.019	-0.073	-0.022	0.009	0.087	0.263	0.118	-0.018	-0.022	-0.055	-0.084	0.060	-0.040	0.223	0.085	0.042	-0.060

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17
MSPD5d	0.039	0.022	-0.030	0.022	0.022	0.193	-0.035	-0.016	-0.007	-0.030	-0.092	0.032	0.028	0.261	0.049	0.017	-0.073
MSPD5e	0.037	-0.011	-0.005	0.031	0.062	0.264	-0.033	-0.027	0.033	-0.026	-0.071	0.031	-0.026	0.236	0.089	0.015	-0.108
MSPD6a	0.015	0.746	-0.012	-0.017	0.028	-0.062	-0.005	0.016	-0.019	-0.104	0.166	-0.031	0.010	-0.048	-0.014	-0.104	0.030
MSPD6b	0.060	0.057	-0.033	-0.016	0.013	-0.023	0.572	-0.013	-0.011	0.010	0.444	-0.027	0.023	0.024	0.006	-0.039	-0.048
MSPD6c	0.011	-0.046	-0.010	0.021	0.034	0.045	0.040	0.006	0.038	0.050	0.754	0.019	-0.018	0.105	0.054	0.048	-0.095
MSPD6d	0.033	-0.006	-0.002	-0.004	0.041	0.066	-0.027	-0.012	0.013	0.024	0.794	-0.023	0.003	0.045	0.075	0.075	-0.073
MSPD6e	0.024	-0.011	-0.023	0.002	0.033	0.047	0.003	0.024	0.007	0.052	0.749	0.029	0.011	0.010	0.074	0.056	0.214
MSPD7a	0.110	0.560	-0.005	0.011	-0.022	0.024	0.038	0.006	0.045	0.096	0.020	0.056	0.024	0.049	-0.045	-0.001	-0.101
MSPD7b	0.031	0.068	-0.054	-0.033	0.082	-0.063	0.504	0.020	0.034	-0.090	-0.012	-0.051	-0.034	0.012	0.336	-0.025	0.046
MSPD7c	0.036	-0.046	-0.034	0.023	0.027	0.033	0.036	0.007	0.052	0.128	0.029	0.040	-0.025	0.082	0.712	0.018	-0.106
MSPD7d	0.031	0.020	0.008	0.024	0.032	0.038	-0.015	-0.024	0.003	0.041	0.089	-0.014	-0.011	0.032	0.810	0.038	-0.080
MSPD7e	0.018	-0.002	-0.030	0.004	0.055	0.048	0.020	0.004	-0.017	0.068	0.051	0.012	0.010	0.028	0.724	0.003	0.233
MSPD8a	0.117	0.546	-0.022	0.018	0.088	0.055	0.104	0.015	-0.030	0.053	0.054	0.071	-0.040	-0.055	-0.055	-0.064	-0.046
MSPD8b	0.105	0.120	-0.008	-0.004	0.439	-0.041	0.442	-0.030	0.006	-0.028	0.010	0.005	0.008	0.028	0.026	-0.072	0.008
MSPD8c	0.008	-0.035	-0.008	-0.001	0.944	-0.022	0.003	0.014	0.003	0.023	-0.019	0.010	-0.013	-0.000	0.014	0.017	-0.057
MSPD8d	0.002	0.009	0.020	0.005	0.975	0.001	-0.031	0.000	-0.011	0.004	0.024	-0.005	-0.006	-0.014	-0.005	0.029	-0.054
MSPD8e	-0.014	0.011	-0.000	-0.006	0.920	0.028	-0.011	-0.006	0.002	0.032	0.003	-0.023	0.016	0.024	0.002	-0.025	0.126
MSPD9a	0.106	0.562	0.056	0.039	-0.078	0.034	0.087	0.011	-0.040	0.302	0.022	-0.020	0.001	-0.067	-0.081	-0.096	0.035
MSPD9b	0.109	0.046	0.002	-0.024	0.020	0.011	0.502	0.022	0.005	0.395	0.022	-0.010	0.037	0.032	-0.018	-0.038	0.011
MSPD9c	-0.003	-0.041	-0.004	-0.001	0.088	0.023	0.018	0.006	0.010	0.788	0.032	0.019	-0.010	0.047	0.087	0.051	-0.083
MSPD9d	0.023	0.002	0.013	-0.004	0.089	0.013	-0.030	-0.005	-0.015	0.772	0.063	-0.021	-0.002	0.009	0.087	0.101	-0.049
MSPD9e	0.029	-0.015	0.015	-0.015	0.071	0.051	-0.015	-0.006	0.007	0.719	0.042	-0.007	0.031	0.039	0.092	0.051	0.197
MSPD10a	0.832	0.038	-0.016	-0.009	0.000	0.059	-0.004	0.014	-0.010	0.040	0.026	0.004	-0.032	-0.011	0.016	-0.024	-0.049
MSPD10b	0.870	0.027	0.045	0.031	-0.006	0.032	0.003	-0.002	-0.021	0.066	-0.003	-0.031	-0.028	-0.012	0.006	-0.010	-0.036
MSPD10c	0.781	0.006	0.041	0.022	-0.005	-0.012	-0.010	-0.020	0.004	-0.011	0.001	-0.082	0.055	-0.044	0.035	0.015	0.009
MSPD10d	0.776	-0.033	0.059	0.036	-0.030	-0.074	0.046	-0.039	0.037	-0.037	-0.014	-0.044	0.046	0.088	0.010	0.031	0.024
MSPD10e	0.661	-0.010	0.014	0.001	-0.003	-0.082	0.017	-0.016	0.046	-0.014	0.021	0.005	0.044	0.036	0.013	0.040	0.008
MSPD10f	0.847	0.044	-0.054	-0.030	0.022	0.025	-0.060	-0.006	-0.008	-0.038	-0.009	0.046	0.004	-0.020	-0.021	0.052	0.003
MSPD10g	0.717	-0.025	0.021	0.009	-0.068	-0.069	0.039	0.025	-0.011	-0.077	0.031	-0.031	0.012	-0.005	-0.001	0.068	0.062
MSPD10h	0.756	-0.009	-0.094	-0.009	0.062	0.039	0.008	0.055	-0.008	0.039	0.016	0.052	-0.038	0.043	-0.053	-0.030	-0.001
MSPD10i	0.792	-0.027	-0.037	-0.012	0.015	0.031	0.017	0.000	0.009	0.044	0.001	0.037	0.019	0.029	0.029	-0.030	-0.004
MSPD10j	0.735	0.013	-0.083	-0.096	0.054	0.022	-0.014	0.020	-0.003	-0.029	-0.010	0.070	0.003	-0.009	0.048	-0.029	0.016

Table SF66: EFA for Total Sample (Excluding Supplementary Items): 17 Factors Using Oblimin Rotation.

In Table SF67, we listed the items of each factor that exceeded the threshold of 0.40. In Factor 16 and 17, we did not have any loading exceeding this threshold.

Factor	**Items**
F1	MSPD10a, MSPD10b, MSPD10c, MSPD10d, MSPD10e, MSPD10f, MSPD10g, MSPD10h, MSPD10i, MSPD10j
F2	MSPD1a, MSPD2a, MSPD3a, MSPD4a, MSPD5a, MSPD6a, MSPD7a, MSPD8a, MSPD9a
F3	MIQ1, TCS1, TCS2, TCS3, TCS4, TCS5
F4	MIQ3, SOQ1a, SOQ2a, SOQ3a
F5	MSPD8c, MSPD8d, MSPD8e
F6	MSPD2c, MSPD2d, MSPD2e
F7	MSPD1b, MSPD2b, MSPD3b, MSPD7b
F8	SOQ3b, SOQ3c, SOQ3d, SOQ3e
F9	SOQ2b, SOQ2d, SOQ2e
F10	MSPD9c, MSPD9d, MSPD9e
F11	MSPD6c, MSPD6d, MSPD6e
F12	OSRI6, OSRI8, OSRI10, OSRI13
F13	SOQ1b, SOQ1d, SOQ1e
F14	MSPD4c, MSPD4d, MSPD4e
F15	MSPD7c, MSPD7d, MSPD7e
F16	-
F17	-

Table SF67: Factor Structure and Items: 17 Factors (Oblimin Rotation).

Factors	**Eigenvalues**	**VAR**	**CUM**
1	6.4358	0.0637	0.0637
2	4.7547	0.0471	0.1108
3	4.6772	0.0463	0.1571
4	4.4165	0.0437	0.2008
5	3.0464	0.0302	0.2310
6	2.8947	0.0287	0.2597
7	2.7733	0.0275	0.2871
8	2.7298	0.0270	0.3141
9	2.7024	0.0268	0.3409
10	2.2461	0.0222	0.3631
11	2.2359	0.0221	0.3853
12	2.1310	0.0211	0.4064
13	2.1150	0.0209	0.4273
14	2.1007	0.0208	0.4481
15	1.7843	0.0177	0.4658
16	0.6854	0.0068	0.4726

Table SF68: Factors, Eigenvalues, Variance Explained, and Cumulative Variance for 16 Factors (Oblimin Rotation).

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16
MIQ1	-0.053	-0.066	0.004	0.591	0.010	-0.002	-0.012	-0.045	0.166	0.077	0.022	0.005	-0.030	-0.020	-0.021	-0.014
MIQ3	0.116	-0.084	-0.453	0.090	-0.004	0.006	0.051	0.016	0.099	-0.038	-0.006	-0.120	-0.054	-0.065	-0.003	0.106
MIQ4	-0.085	0.077	0.439	0.059	0.031	0.021	0.012	-0.050	-0.001	0.029	0.031	0.148	0.065	0.043	-0.021	-0.132
MIQ5	-0.091	0.143	0.583	-0.033	0.020	-0.019	-0.093	-0.041	0.121	0.026	0.019	0.147	0.023	-0.004	0.046	-0.056
MIQ6	0.065	-0.004	0.022	-0.403	-0.002	-0.006	0.050	-0.061	0.267	-0.028	-0.001	-0.018	-0.022	-0.021	0.039	0.003
MIQ7	0.062	-0.058	0.033	-0.418	0.015	0.054	0.068	-0.079	0.308	-0.001	0.023	-0.018	-0.014	0.020	-0.045	-0.018
MIQ9	0.043	0.033	-0.010	-0.515	0.055	0.031	-0.037	0.038	0.241	0.064	0.021	0.023	-0.008	0.118	-0.089	-0.031
MIQ10	0.095	0.031	0.044	-0.456	0.031	0.009	-0.058	0.039	0.232	0.076	0.015	0.088	-0.001	0.114	-0.072	-0.050
TCS1	0.002	0.053	0.009	0.708	0.031	-0.013	-0.055	-0.091	-0.089	-0.021	-0.040	0.003	-0.031	0.023	-0.006	-0.029
TCS2	0.001	-0.000	0.033	0.817	-0.008	-0.008	-0.005	-0.060	-0.052	-0.042	-0.022	0.010	-0.021	-0.024	-0.019	0.018
TCS3	-0.037	0.017	-0.026	0.797	-0.014	0.000	0.018	-0.035	-0.094	-0.044	-0.017	-0.004	0.004	-0.035	0.012	0.020
TCS4	-0.041	-0.006	-0.005	0.797	0.023	0.003	0.018	0.043	0.125	0.030	0.012	-0.037	-0.022	0.006	-0.030	0.008
TCS5	0.030	-0.046	0.002	0.725	-0.008	0.011	-0.030	0.074	0.083	0.123	0.028	-0.048	0.012	0.058	-0.043	-0.061
OSRI1	0.080	0.168	0.119	-0.004	0.020	-0.043	-0.048	-0.118	0.145	-0.003	-0.035	0.063	0.089	-0.040	0.027	-0.036
OSRI2	0.128	0.002	-0.145	0.129	-0.032	0.006	0.015	-0.026	0.231	0.040	0.061	-0.027	-0.050	0.055	-0.014	0.056
OSRI3	0.043	0.006	-0.054	-0.140	0.036	0.033	0.070	0.104	0.087	0.057	-0.044	-0.008	0.081	0.089	0.019	-0.081
OSRI4	0.104	0.031	-0.064	0.012	0.030	0.050	0.030	0.020	0.076	-0.014	0.011	-0.038	0.051	-0.018	-0.047	0.011
OSRI5	-0.074	0.114	0.157	0.047	-0.002	-0.091	-0.135	0.003	-0.090	-0.034	0.032	0.038	0.014	-0.070	-0.030	-0.026
OSRI6	0.045	0.151	0.206	0.010	0.077	-0.086	0.019	-0.071	0.169	-0.001	0.006	0.048	0.038	-0.023	0.012	-0.027
OSRI7	0.167	-0.077	-0.208	0.127	-0.009	-0.027	0.023	-0.085	0.132	-0.039	-0.019	-0.028	-0.004	0.075	-0.009	0.058
OSRI8	0.086	0.090	0.204	0.019	0.066	-0.136	-0.032	-0.067	0.035	-0.055	-0.051	-0.003	0.071	-0.094	0.026	-0.081
OSRI9	0.131	0.032	-0.093	-0.098	0.032	0.012	0.049	0.042	0.163	0.026	-0.048	-0.074	0.036	0.006	0.013	0.056
OSRI10	0.007	0.177	0.048	-0.089	0.002	-0.010	0.022	-0.004	0.053	-0.008	-0.057	0.079	0.039	-0.039	0.015	-0.030
OSRI11	0.115	0.091	-0.128	-0.002	0.053	0.002	0.030	0.067	0.236	-0.024	-0.041	-0.037	-0.004	0.034	0.003	0.051
OSRI12	0.096	-0.048	-0.207	0.066	0.067	0.010	0.049	-0.045	0.181	-0.115	0.079	-0.062	0.032	0.023	-0.018	0.061
OSRI13	0.034	0.167	0.284	0.067	-0.026	-0.027	-0.086	-0.101	0.166	-0.048	0.068	0.068	0.102	-0.044	0.022	-0.041
OSRI14	0.123	0.045	-0.141	0.191	0.015	-0.021	0.010	-0.085	0.143	-0.067	0.053	-0.023	0.036	-0.025	-0.022	0.042
OSRI15	0.074	0.226	0.223	0.014	-0.028	-0.043	-0.052	-0.061	0.157	-0.036	0.008	0.013	0.056	-0.058	0.079	-0.029
OSRI16	0.147	0.002	-0.246	0.184	0.033	-0.004	0.009	-0.050	0.190	-0.108	0.000	-0.082	0.002	0.021	0.027	0.080
OSRI17	0.018	0.160	0.175	0.040	-0.006	-0.039	-0.009	-0.022	0.043	-0.007	-0.019	0.009	0.041	-0.016	-0.006	-0.012
OSRI18	0.112	-0.016	-0.135	0.043	0.023	0.026	0.053	-0.020	0.283	-0.042	0.054	-0.035	-0.009	0.083	-0.046	0.084
SOQ1a	-0.013	0.009	-0.799	0.052	0.025	-0.003	-0.017	0.009	-0.042	-0.018	0.011	0.362	0.040	0.003	0.010	-0.036
SOQ1b	0.015	-0.001	-0.032	-0.035	0.009	0.003	0.024	0.019	0.007	0.006	-0.005	0.976	-0.007	-0.002	0.011	-0.001
SOQ1c	-0.021	0.029	0.700	0.102	-0.002	-0.009	-0.016	0.155	-0.032	-0.050	0.003	0.333	0.053	-0.013	0.001	-0.012

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16
SOQ1d	0.037	-0.009	0.039	-0.043	-0.037	0.024	-0.040	0.299	0.073	-0.002	0.040	0.604	-0.004	-0.002	-0.027	0.012
SOQ1e	0.023	-0.060	0.052	-0.069	-0.022	0.053	0.007	0.159	0.213	0.050	0.011	0.559	-0.029	0.046	-0.028	0.021
SOQ2a	0.030	-0.002	-0.819	0.070	0.014	-0.019	-0.019	-0.025	0.213	-0.007	0.008	0.023	0.046	0.008	-0.006	-0.002
SOQ2b	0.041	0.024	-0.118	-0.028	0.042	0.011	0.019	-0.031	0.694	-0.019	0.041	0.200	0.030	-0.008	0.014	-0.024
SOQ2c	0.009	0.083	0.712	0.058	0.020	-0.003	-0.007	0.088	0.290	-0.009	-0.030	-0.012	0.033	-0.024	0.060	-0.022
SOQ2d	0.018	-0.000	0.072	-0.081	-0.021	0.012	0.016	0.130	0.729	-0.004	0.054	0.007	0.034	0.039	0.015	0.028
SOQ2e	0.033	-0.055	0.039	-0.098	-0.002	0.049	0.061	0.061	0.761	0.042	0.020	-0.006	0.010	0.030	0.021	-0.003
SOQ3a	-0.023	0.021	-0.806	0.018	0.017	0.022	-0.014	0.417	-0.053	-0.014	0.002	0.025	0.053	0.002	0.024	-0.040
SOQ3b	0.012	0.013	-0.099	-0.039	0.035	-0.013	0.032	0.740	-0.003	-0.003	-0.003	0.259	0.010	0.009	0.037	-0.013
SOQ3c	-0.008	0.036	0.621	0.098	0.020	-0.021	-0.011	0.581	-0.065	-0.034	-0.022	0.030	0.040	-0.010	0.024	-0.019
SOQ3d	0.016	0.020	-0.044	-0.055	0.013	0.013	-0.010	0.916	0.046	-0.007	0.030	0.036	-0.006	-0.004	0.002	0.003
SOQ3e	0.028	-0.034	-0.009	-0.075	-0.010	0.029	0.024	0.729	0.163	0.062	-0.019	0.091	-0.009	0.032	-0.007	0.007
MSPD1a	0.032	0.716	0.034	-0.027	-0.018	0.013	-0.036	-0.014	0.018	-0.024	-0.062	-0.004	0.019	0.009	0.024	-0.032
MSPD1b	0.016	0.020	-0.021	-0.088	0.011	0.149	0.518	-0.012	0.117	-0.006	-0.027	0.037	0.092	-0.003	0.019	0.003
MSPD1c	0.013	-0.023	-0.010	-0.002	0.095	0.407	0.092	0.002	0.080	0.118	-0.069	-0.022	0.184	0.050	0.154	-0.135
MSPD1d	0.004	0.026	-0.019	0.012	0.107	0.457	0.035	-0.019	0.001	0.040	-0.027	-0.016	0.210	-0.076	0.211	-0.102
MSPD1e	0.015	0.051	0.003	-0.007	0.079	0.430	0.047	-0.000	0.064	0.061	-0.011	-0.005	0.183	-0.028	0.163	0.160
MSPD2a	-0.010	0.781	-0.010	-0.025	0.019	0.057	-0.065	-0.010	-0.009	-0.001	-0.023	0.034	0.020	-0.097	-0.004	0.014
MSPD2b	0.038	-0.050	-0.000	-0.044	0.029	0.262	0.602	0.003	0.064	0.008	0.026	0.006	0.084	0.047	-0.005	-0.050
MSPD2c	0.022	-0.040	-0.005	-0.015	0.021	0.741	0.050	0.015	0.037	0.039	0.068	0.002	0.018	0.131	0.007	-0.088
MSPD2d	0.037	-0.001	-0.012	-0.018	0.023	0.788	0.014	-0.000	-0.033	-0.002	0.061	0.013	0.051	0.067	0.059	-0.067
MSPD2e	0.030	0.007	0.011	-0.010	0.026	0.745	0.013	0.011	0.012	0.051	0.085	0.023	0.034	0.051	0.015	0.209
MSPD3a	-0.008	0.780	0.006	0.028	-0.018	-0.011	-0.005	-0.021	0.013	-0.078	-0.057	-0.010	0.056	-0.038	0.023	0.042
MSPD3b	0.045	-0.036	0.025	0.046	-0.009	0.176	0.586	-0.006	0.026	0.065	0.053	0.018	0.048	0.099	0.108	-0.048
MSPD3c	-0.012	-0.072	0.026	0.011	0.084	0.332	0.063	-0.023	0.061	0.044	0.134	0.016	0.058	0.267	0.154	-0.038
MSPD3d	0.026	-0.026	0.021	0.010	0.090	0.350	-0.032	-0.027	0.024	-0.008	0.172	-0.001	0.078	0.189	0.212	0.001
MSPD3e	0.018	-0.024	0.016	0.006	0.067	0.302	-0.014	-0.019	0.038	0.076	0.154	0.023	0.085	0.195	0.164	0.288
MSPD4a	-0.025	0.756	0.000	0.024	0.002	-0.058	0.010	0.003	-0.002	-0.054	-0.079	0.006	0.007	0.148	0.011	0.047
MSPD4b	0.079	0.045	-0.029	-0.031	0.020	-0.030	0.498	0.001	0.079	0.043	0.031	0.005	0.034	0.418	0.004	-0.015
MSPD4c	0.039	-0.001	-0.007	-0.013	0.050	0.086	0.030	0.012	0.002	0.039	0.073	-0.004	0.049	0.739	0.055	-0.065
MSPD4d	0.040	0.017	-0.002	-0.029	0.044	0.082	-0.015	0.003	-0.019	0.040	0.070	-0.009	0.069	0.755	0.065	-0.046
MSPD4e	0.038	-0.005	0.011	-0.026	0.030	0.097	-0.006	-0.014	0.024	0.024	0.071	0.029	0.086	0.632	0.087	0.238
MSPD5a	-0.044	0.767	0.005	-0.024	-0.021	-0.014	0.056	0.030	-0.012	0.057	-0.022	-0.062	-0.038	0.088	0.105	-0.065
MSPD5b	0.094	0.103	-0.003	-0.041	0.018	-0.022	0.606	0.048	0.046	-0.030	0.021	-0.006	-0.022	-0.009	0.314	0.099
MSPD5c	0.022	-0.016	0.000	-0.033	0.055	0.065	0.053	0.007	0.025	0.123	0.055	-0.007	0.048	0.114	0.673	-0.070

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16
MSPD5d	0.058	-0.004	0.003	-0.027	0.066	0.072	0.007	0.005	-0.019	0.065	0.107	-0.010	0.063	0.041	0.725	-0.059
MSPD5e	0.027	0.020	0.012	-0.004	0.058	0.080	0.016	0.006	0.024	0.103	0.118	0.024	0.029	0.110	0.590	0.256
MSPD6a	0.010	0.735	0.007	-0.015	0.024	-0.062	0.000	0.022	-0.038	-0.102	0.169	0.001	-0.021	-0.049	-0.106	0.040
MSPD6b	0.058	0.052	0.006	-0.034	0.012	-0.022	0.571	-0.010	-0.019	0.011	0.447	0.020	0.005	0.025	-0.042	-0.044
MSPD6c	0.012	-0.043	-0.013	-0.009	0.033	0.043	0.037	0.005	0.040	0.048	0.759	-0.017	0.055	0.103	0.048	-0.097
MSPD6d	0.031	-0.013	0.001	-0.004	0.039	0.067	-0.025	-0.010	-0.001	0.025	0.798	0.000	0.068	0.045	0.072	-0.067
MSPD6e	0.028	-0.003	0.004	-0.017	0.034	0.048	-0.003	0.018	0.025	0.048	0.749	0.014	0.079	0.010	0.057	0.210
MSPD7a	0.110	0.571	0.005	-0.003	-0.022	0.021	0.034	0.002	0.051	0.093	0.021	0.030	-0.043	0.046	-0.000	-0.106
MSPD7b	0.028	0.055	0.013	-0.058	0.079	-0.060	0.509	0.023	0.014	-0.087	-0.009	-0.039	0.330	0.014	-0.026	0.052
MSPD7c	0.037	-0.043	-0.008	-0.034	0.024	0.030	0.035	0.004	0.049	0.124	0.032	-0.024	0.723	0.079	0.020	-0.115
MSPD7d	0.027	0.011	-0.023	0.004	0.030	0.040	-0.009	-0.022	-0.019	0.045	0.096	-0.016	0.796	0.031	0.038	-0.078
MSPD7e	0.019	-0.001	-0.003	-0.028	0.053	0.049	0.019	0.001	-0.013	0.064	0.050	0.007	0.734	0.028	0.006	0.229
MSPD8a	0.120	0.564	0.002	-0.019	0.091	0.054	0.098	0.007	-0.013	0.050	0.053	-0.031	-0.050	-0.058	-0.064	-0.050
MSPD8b	0.106	0.120	0.003	-0.008	0.439	-0.040	0.442	-0.032	0.007	-0.027	0.010	0.011	0.026	0.030	-0.073	0.009
MSPD8c	0.008	-0.036	0.004	-0.009	0.943	-0.024	0.003	0.013	0.002	0.023	-0.018	-0.013	0.017	-0.001	0.018	-0.058
MSPD8d	0.001	0.005	-0.005	0.018	0.974	0.002	-0.028	0.002	-0.017	0.006	0.026	-0.008	-0.010	-0.014	0.027	-0.052
MSPD8e	-0.015	0.005	-0.005	-0.000	0.918	0.030	-0.009	-0.004	0.001	0.033	0.003	0.011	0.001	0.025	-0.025	0.128
MSPD9a	0.102	0.562	-0.050	0.055	-0.080	0.035	0.088	0.013	-0.046	0.303	0.022	0.002	-0.085	-0.067	-0.098	0.039
MSPD9b	0.109	0.047	0.018	-0.000	0.020	0.014	0.501	0.023	0.003	0.396	0.021	0.038	-0.019	0.034	-0.039	0.012
MSPD9c	-0.002	-0.036	0.007	-0.005	0.088	0.021	0.015	0.006	0.012	0.786	0.032	-0.006	0.090	0.047	0.053	-0.087
MSPD9d	0.021	-0.001	-0.001	0.009	0.088	0.014	-0.029	-0.002	-0.027	0.776	0.063	-0.002	0.081	0.011	0.099	-0.046
MSPD9e	0.030	-0.013	0.007	0.016	0.070	0.053	-0.017	-0.005	0.013	0.719	0.039	0.031	0.094	0.041	0.051	0.196
MSPD10a	0.833	0.038	0.005	-0.015	-0.001	0.058	-0.004	0.011	-0.012	0.040	0.026	-0.030	0.015	-0.012	-0.024	-0.050
MSPD10b	0.869	0.020	-0.045	0.045	-0.009	0.032	0.005	0.001	-0.032	0.066	-0.002	-0.031	0.003	-0.012	-0.011	-0.033
MSPD10c	0.776	-0.015	-0.049	0.036	-0.011	-0.010	-0.002	-0.010	-0.027	-0.007	0.004	0.045	0.026	-0.043	0.012	0.019
MSPD10d	0.774	-0.046	-0.054	0.057	-0.034	-0.074	0.050	-0.031	0.023	-0.035	-0.012	0.037	0.006	0.089	0.029	0.029
MSPD10e	0.662	-0.013	-0.003	0.014	-0.005	-0.084	0.018	-0.011	0.044	-0.014	0.021	0.038	0.013	0.036	0.039	0.010
MSPD10f	0.852	0.052	0.039	-0.050	0.023	0.023	-0.063	-0.012	0.003	-0.040	-0.010	0.007	-0.018	-0.022	0.053	-0.001
MSPD10g	0.716	-0.034	-0.022	0.020	-0.070	-0.070	0.042	0.030	-0.020	-0.076	0.033	0.005	-0.006	-0.005	0.068	0.067
MSPD10h	0.762	0.002	0.020	-0.088	0.064	0.037	0.002	0.048	0.011	0.036	0.014	-0.033	-0.049	0.042	-0.029	-0.006
MSPD10i	0.797	-0.021	0.018	-0.033	0.015	0.029	0.014	-0.005	0.021	0.042	0.000	0.023	0.032	0.027	-0.028	-0.009
MSPD10j	0.741	0.025	0.112	-0.078	0.056	0.020	-0.018	0.012	0.016	-0.032	-0.012	0.005	0.053	-0.010	-0.029	0.012

Table SF69: EFA for Total Sample (Excluding Supplementary Items): 16 Factors Using Oblimin Rotation.

In Table SF70, we listed the items of each factor that exceeded the threshold of 0.40. In Factor 16, we did not have any loading exceeding this threshold.

Factor	**Items**
F1	MSPD10a, MSPD10b, MSPD10c, MSPD10d, MSPD10e, MSPD10f, MSPD10g, MSPD10h, MSPD10i, MSPD10j
F2	MSPD1a, MSPD2a, MSPD3a, MSPD4a, MSPD5a, MSPD6a, MSPD7a, MSPD8a, MSPD9a
F3	MIQ4, MIQ5, SOQ1c, SOQ2c
F4	MIQ1, TCS1, TCS2, TCS3, TCS4, TCS5
F5	MSPD8c, MSPD8d, MSPD8e
F6	MSPD1c, MSPD1d, MSPD1e, MSPD2c, MSPD2d, MSPD2e
F7	MSPD1b, MSPD2b, MSPD3b, MSPD5b, MSPD7b
F8	SOQ3b, SOQ3d, SOQ3e
F9	SOQ2b, SOQ2d, SOQ2e
F10	MSPD9c, MSPD9d, MSPD9e
F11	MSPD6c, MSPD6d, MSPD6e
F12	SOQ1b, SOQ1d, SOQ1e
F13	MSPD7c, MSPD7d, MSPD7e
F14	MSPD4c, MSPD4d, MSPD4e
F15	MSPD5c, MSPD5d, MSPD5e
F16	-

Table SF70: Factor Structure and Items: 16 Factors (Oblimin Rotation).

Factors	**Eigenvalues**	**VAR**	**CUM**
1	6.4484	0.0638	0.0638
2	4.7605	0.0471	0.1110
3	4.6652	0.0462	0.1572
4	4.4324	0.0439	0.2011
5	3.3109	0.0328	0.2338
6	3.1725	0.0314	0.2652
7	2.9076	0.0288	0.2940
8	2.7321	0.0271	0.3211
9	2.7246	0.0270	0.3481
10	2.6626	0.0264	0.3744
11	2.5549	0.0253	0.3997
12	2.1889	0.0217	0.4214
13	2.1294	0.0211	0.4425
14	1.8420	0.0182	0.4607
15	0.7037	0.0070	0.4677

Table SF71: Factors, Eigenvalues, Variance Explained, and Cumulative Variance for 15 Factors (Oblimin Rotation).

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15
MIQ1	-0.050	-0.068	0.003	0.593	-0.013	0.001	-0.014	-0.045	0.166	0.075	0.017	-0.019	0.004	-0.024	-0.017
MIQ3	0.116	-0.089	-0.450	0.088	-0.015	-0.013	0.053	0.017	0.092	-0.047	-0.023	-0.060	-0.120	-0.012	0.123
MIQ4	-0.085	0.081	0.436	0.061	0.046	0.041	0.010	-0.051	0.006	0.037	0.050	0.037	0.148	-0.011	-0.150
MIQ5	-0.090	0.146	0.581	-0.031	-0.007	0.022	-0.096	-0.042	0.126	0.029	0.028	-0.008	0.147	0.051	-0.069
MIQ6	0.066	-0.006	0.023	-0.404	-0.014	-0.008	0.053	-0.060	0.265	-0.033	-0.010	-0.021	-0.019	0.033	0.010
MIQ7	0.064	-0.061	0.034	-0.419	0.047	0.008	0.071	-0.078	0.307	-0.004	0.015	0.021	-0.019	-0.051	-0.012
MIQ9	0.046	0.033	-0.012	-0.515	0.023	0.049	-0.040	0.037	0.244	0.062	0.019	0.118	0.022	-0.090	-0.042
MIQ10	0.098	0.033	0.042	-0.455	0.004	0.026	-0.063	0.037	0.235	0.073	0.016	0.113	0.087	-0.070	-0.065
TCS1	0.003	0.054	0.008	0.711	-0.014	0.029	-0.060	-0.091	-0.087	-0.029	-0.042	0.023	0.002	-0.004	-0.036
TCS2	0.002	0.000	0.033	0.819	-0.007	-0.007	-0.007	-0.060	-0.052	-0.048	-0.023	-0.024	0.010	-0.018	0.015
TCS3	-0.038	0.018	-0.025	0.799	0.008	-0.009	0.018	-0.035	-0.094	-0.045	-0.013	-0.035	-0.004	0.015	0.020
TCS4	-0.040	-0.008	-0.005	0.797	-0.005	0.018	0.018	0.044	0.124	0.030	0.007	0.009	-0.037	-0.035	0.014
TCS5	0.031	-0.046	0.001	0.726	0.014	-0.010	-0.031	0.074	0.084	0.131	0.031	0.058	-0.049	-0.043	-0.061
OSRI1	0.075	0.173	0.118	-0.006	-0.011	0.038	-0.046	-0.118	0.149	0.014	-0.014	-0.048	0.064	0.037	-0.036
OSRI2	0.131	-0.002	-0.144	0.129	-0.020	-0.045	0.016	-0.025	0.229	0.033	0.047	0.060	-0.028	-0.021	0.061
OSRI3	0.041	0.010	-0.055	-0.141	0.059	0.048	0.074	0.103	0.091	0.071	-0.030	0.084	-0.008	0.026	-0.084
OSRI4	0.101	0.032	-0.064	0.010	0.066	0.040	0.035	0.021	0.077	-0.004	0.020	-0.020	-0.038	-0.046	0.018
OSRI5	-0.076	0.117	0.156	0.048	-0.081	0.005	-0.138	0.003	-0.088	-0.031	0.044	-0.074	0.039	-0.026	-0.028
OSRI6	0.043	0.155	0.204	0.011	-0.070	0.085	0.020	-0.072	0.172	0.005	0.017	-0.031	0.047	0.017	-0.032
OSRI7	0.165	-0.076	-0.207	0.126	-0.029	-0.007	0.024	-0.085	0.132	-0.041	-0.022	0.074	-0.027	-0.010	0.063
OSRI8	0.082	0.096	0.203	0.019	-0.102	0.086	-0.033	-0.069	0.041	-0.045	-0.029	-0.107	-0.003	0.040	-0.090
OSRI9	0.129	0.033	-0.092	-0.100	0.021	0.038	0.053	0.042	0.164	0.034	-0.045	0.003	-0.073	0.014	0.058
OSRI10	0.005	0.181	0.047	-0.089	0.008	0.010	0.023	-0.005	0.057	-0.002	-0.047	-0.046	0.079	0.021	-0.035
OSRI11	0.115	0.092	-0.128	-0.003	0.001	0.053	0.033	0.067	0.236	-0.026	-0.045	0.033	-0.037	0.001	0.054
OSRI12	0.094	-0.046	-0.206	0.064	0.021	0.075	0.054	-0.045	0.180	-0.115	0.088	0.021	-0.061	-0.018	0.070
OSRI13	0.030	0.173	0.282	0.067	0.010	-0.006	-0.085	-0.102	0.173	-0.034	0.099	-0.054	0.068	0.036	-0.049
OSRI14	0.120	0.046	-0.140	0.189	-0.009	0.023	0.014	-0.085	0.144	-0.061	0.062	-0.027	-0.022	-0.021	0.050
OSRI15	0.072	0.231	0.221	0.015	-0.018	-0.017	-0.052	-0.062	0.162	-0.029	0.025	-0.066	0.013	0.087	-0.037
OSRI16	0.146	0.001	-0.245	0.183	-0.006	0.038	0.012	-0.049	0.189	-0.111	-0.000	0.023	-0.081	0.028	0.091
OSRI17	0.015	0.164	0.174	0.039	-0.020	0.004	-0.008	-0.023	0.046	0.001	-0.008	-0.023	0.009	-0.001	-0.014
OSRI18	0.112	-0.017	-0.134	0.041	0.018	0.021	0.056	-0.020	0.280	-0.046	0.050	0.085	-0.034	-0.052	0.094
SOQ1a	-0.015	0.011	-0.800	0.051	0.011	0.032	-0.017	0.008	-0.039	-0.012	0.021	-0.000	0.361	0.015	-0.038
SOQ1b	0.015	-0.002	-0.033	-0.035	-0.002	0.006	0.023	0.019	0.007	0.005	-0.009	-0.002	0.976	0.010	-0.003
SOQ1c	-0.025	0.032	0.698	0.100	0.011	0.011	-0.013	0.155	-0.030	-0.041	0.017	-0.017	0.335	0.008	-0.011

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15
SOQ1d	0.037	-0.010	0.039	-0.044	0.017	-0.040	-0.040	0.301	0.071	-0.002	0.038	-0.000	0.604	-0.029	0.016
SOQ1e	0.026	-0.063	0.052	-0.069	0.036	-0.032	0.006	0.161	0.210	0.046	-0.001	0.051	0.559	-0.034	0.023
SOQ2a	0.029	0.000	-0.819	0.069	-0.006	0.022	-0.018	-0.026	0.217	0.000	0.018	0.005	0.022	-0.000	-0.001
SOQ2b	0.042	0.024	-0.119	-0.027	0.015	0.043	0.021	-0.031	0.700	-0.018	0.046	-0.009	0.198	0.017	-0.029
SOQ2c	0.008	0.084	0.712	0.057	0.008	0.026	-0.004	0.089	0.292	-0.002	-0.024	-0.026	-0.012	0.062	-0.020
SOQ2d	0.019	-0.001	0.073	-0.082	0.011	-0.020	0.019	0.131	0.732	0.000	0.058	0.041	0.006	0.017	0.030
SOQ2e	0.036	-0.058	0.039	-0.100	0.042	-0.008	0.064	0.062	0.761	0.043	0.015	0.033	-0.008	0.017	0.001
SOQ3a	-0.025	0.023	-0.807	0.018	0.042	0.026	-0.012	0.416	-0.050	-0.006	0.015	-0.001	0.025	0.029	-0.042
SOQ3b	0.012	0.014	-0.100	-0.039	-0.012	0.037	0.033	0.740	-0.002	-0.002	-0.002	0.008	0.259	0.039	-0.016
SOQ3c	-0.011	0.039	0.620	0.098	-0.005	0.030	-0.008	0.581	-0.063	-0.027	-0.012	-0.014	0.032	0.030	-0.021
SOQ3d	0.017	0.019	-0.044	-0.055	0.008	0.011	-0.010	0.917	0.045	-0.009	0.028	-0.004	0.036	0.000	0.004
SOQ3e	0.030	-0.036	-0.008	-0.075	0.020	-0.015	0.024	0.730	0.161	0.062	-0.027	0.034	0.091	-0.010	0.007
MSPD1a	0.032	0.718	0.033	-0.028	0.028	-0.014	-0.035	-0.014	0.020	-0.022	-0.058	0.007	-0.005	0.026	-0.032
MSPD1b	0.011	0.022	-0.020	-0.090	0.176	0.022	0.533	-0.011	0.119	0.005	-0.020	-0.009	0.037	0.019	0.009
MSPD1c	0.014	-0.019	-0.013	-0.005	0.475	0.114	0.101	0.003	0.086	0.150	-0.038	0.047	-0.023	0.164	-0.133
MSPD1d	0.003	0.030	-0.021	0.006	0.538	0.130	0.048	-0.017	0.006	0.078	0.010	-0.077	-0.017	0.218	-0.090
MSPD1e	0.014	0.056	0.002	-0.012	0.496	0.099	0.058	-0.000	0.069	0.093	0.021	-0.032	-0.004	0.168	0.162
MSPD2a	-0.009	0.782	-0.012	-0.026	0.070	0.021	-0.064	-0.010	-0.009	0.003	-0.018	-0.098	0.034	-0.004	0.012
MSPD2b	0.038	-0.051	-0.001	-0.046	0.279	0.034	0.618	0.003	0.064	0.013	0.032	0.048	0.006	-0.003	-0.050
MSPD2c	0.036	-0.048	-0.009	-0.017	0.734	0.000	0.053	0.016	0.036	0.035	0.068	0.154	-0.000	0.002	-0.085
MSPD2d	0.048	-0.010	-0.014	-0.022	0.795	0.009	0.021	0.002	-0.033	0.003	0.065	0.092	0.011	0.052	-0.054
MSPD2e	0.040	-0.000	0.010	-0.015	0.739	0.010	0.020	0.012	0.010	0.055	0.084	0.074	0.024	0.004	0.214
MSPD3a	-0.011	0.782	0.006	0.026	0.012	-0.004	-0.000	-0.021	0.014	-0.070	-0.045	-0.040	-0.009	0.028	0.044
MSPD3b	0.047	-0.039	0.024	0.045	0.181	-0.013	0.599	-0.006	0.026	0.067	0.050	0.101	0.017	0.106	-0.048
MSPD3c	-0.005	-0.074	0.024	0.009	0.344	0.078	0.068	-0.023	0.061	0.049	0.142	0.278	0.015	0.153	-0.034
MSPD3d	0.031	-0.029	0.021	0.007	0.371	0.088	-0.024	-0.025	0.024	0.004	0.184	0.201	-0.002	0.207	0.018
MSPD3e	0.019	-0.024	0.017	0.001	0.317	0.069	-0.006	-0.019	0.037	0.094	0.165	0.203	0.026	0.158	0.298
MSPD4a	-0.027	0.757	0.001	0.024	-0.056	0.007	0.013	0.004	-0.001	-0.053	-0.080	0.150	0.007	0.013	0.049
MSPD4b	0.076	0.044	-0.029	-0.032	-0.040	0.023	0.510	0.001	0.080	0.044	0.025	0.421	0.005	0.006	-0.015
MSPD4c	0.040	-0.001	-0.007	-0.014	0.083	0.055	0.033	0.013	0.006	0.044	0.077	0.752	-0.003	0.061	-0.067
MSPD4d	0.040	0.018	-0.002	-0.030	0.087	0.052	-0.010	0.004	-0.013	0.052	0.078	0.766	-0.008	0.071	-0.044
MSPD4e	0.034	-0.002	0.013	-0.030	0.104	0.043	0.002	-0.013	0.026	0.040	0.081	0.642	0.033	0.089	0.244
MSPD5a	-0.039	0.765	0.004	-0.022	-0.028	-0.033	0.054	0.030	-0.012	0.049	-0.032	0.092	-0.064	0.103	-0.072
MSPD5b	0.096	0.100	-0.001	-0.040	-0.044	0.008	0.615	0.048	0.042	-0.043	0.003	-0.007	-0.006	0.313	0.100
MSPD5c	0.029	-0.018	-0.002	-0.033	0.067	0.047	0.055	0.007	0.026	0.129	0.057	0.121	-0.009	0.685	-0.070

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15
MSPD5d	0.063	-0.007	0.003	-0.028	0.082	0.061	0.011	0.006	-0.019	0.077	0.114	0.051	-0.012	0.728	-0.047
MSPD5e	0.031	0.019	0.013	-0.006	0.072	0.049	0.020	0.006	0.022	0.110	0.116	0.118	0.025	0.589	0.261
MSPD6a	0.010	0.734	0.007	-0.016	-0.072	0.022	0.002	0.022	-0.040	-0.109	0.173	-0.049	0.000	-0.111	0.046
MSPD6b	0.060	0.049	0.005	-0.034	-0.047	0.002	0.581	-0.010	-0.022	0.002	0.453	0.025	0.018	-0.049	-0.044
MSPD6c	0.018	-0.045	-0.017	-0.009	0.031	0.023	0.041	0.004	0.040	0.048	0.793	0.105	-0.020	0.046	-0.099
MSPD6d	0.036	-0.015	-0.002	-0.005	0.061	0.030	-0.019	-0.010	-0.001	0.031	0.832	0.050	-0.003	0.067	-0.061
MSPD6e	0.030	-0.002	0.002	-0.020	0.043	0.032	0.003	0.017	0.024	0.057	0.784	0.011	0.014	0.051	0.210
MSPD7a	0.116	0.567	0.004	-0.002	0.002	-0.037	0.033	0.002	0.049	0.087	0.010	0.051	0.028	-0.005	-0.106
MSPD7b	0.011	0.067	0.015	-0.064	0.031	0.148	0.527	0.023	0.024	-0.032	0.054	0.003	-0.034	0.005	0.058
MSPD7c	0.009	-0.019	-0.007	-0.046	0.230	0.166	0.064	0.005	0.069	0.256	0.184	0.065	-0.015	0.093	-0.099
MSPD7d	-0.006	0.034	-0.020	-0.009	0.262	0.185	0.028	-0.020	0.006	0.193	0.262	0.020	-0.006	0.114	-0.056
MSPD7e	-0.010	0.024	-0.002	-0.038	0.252	0.198	0.048	-0.002	0.014	0.195	0.207	0.011	0.020	0.081	0.205
MSPD8a	0.125	0.559	0.001	-0.018	0.035	0.075	0.099	0.007	-0.016	0.041	0.041	-0.054	-0.034	-0.073	-0.051
MSPD8b	0.105	0.119	0.003	-0.009	-0.042	0.445	0.451	-0.032	0.007	-0.025	0.008	0.030	0.011	-0.074	0.010
MSPD8c	0.013	-0.036	0.003	-0.009	-0.023	0.947	0.005	0.013	0.002	0.026	-0.016	0.003	-0.014	0.020	-0.060
MSPD8d	0.007	0.002	-0.006	0.018	-0.005	0.966	-0.025	0.002	-0.018	0.009	0.022	-0.007	-0.010	0.024	-0.048
MSPD8e	-0.011	0.004	-0.005	-0.002	0.023	0.916	-0.006	-0.004	-0.001	0.036	-0.001	0.031	0.011	-0.030	0.126
MSPD9a	0.108	0.556	-0.050	0.056	-0.004	-0.109	0.085	0.013	-0.051	0.302	-0.005	-0.061	-0.000	-0.116	0.037
MSPD9b	0.111	0.042	0.018	-0.001	-0.017	-0.000	0.507	0.024	-0.001	0.408	-0.003	0.037	0.037	-0.053	0.013
MSPD9c	0.000	-0.036	0.004	-0.007	0.021	0.076	0.016	0.005	0.013	0.839	0.033	0.047	-0.009	0.047	-0.092
MSPD9d	0.022	-0.003	-0.003	0.006	0.012	0.072	-0.026	-0.002	-0.027	0.833	0.061	0.012	-0.005	0.087	-0.043
MSPD9e	0.028	-0.011	0.006	0.012	0.053	0.061	-0.013	-0.006	0.013	0.775	0.039	0.041	0.032	0.040	0.193
MSPD10a	0.836	0.038	0.005	-0.015	0.062	-0.001	-0.004	0.012	-0.012	0.042	0.029	-0.012	-0.030	-0.025	-0.048
MSPD10b	0.871	0.019	-0.045	0.045	0.032	-0.011	0.005	0.001	-0.033	0.069	-0.004	-0.012	-0.031	-0.013	-0.032
MSPD10c	0.775	-0.014	-0.048	0.036	-0.003	-0.004	-0.001	-0.010	-0.026	-0.003	0.010	-0.045	0.046	0.015	0.018
MSPD10d	0.772	-0.044	-0.053	0.058	-0.075	-0.029	0.051	-0.031	0.024	-0.036	-0.012	0.087	0.038	0.032	0.027
MSPD10e	0.661	-0.012	-0.002	0.014	-0.083	-0.001	0.019	-0.011	0.045	-0.013	0.025	0.032	0.038	0.043	0.008
MSPD10f	0.856	0.051	0.039	-0.049	0.021	0.020	-0.066	-0.012	0.003	-0.047	-0.013	-0.022	0.007	0.052	-0.003
MSPD10g	0.715	-0.033	-0.021	0.020	-0.075	-0.068	0.043	0.030	-0.020	-0.080	0.032	-0.007	0.007	0.069	0.068
MSPD10h	0.766	-0.000	0.020	-0.087	0.020	0.053	0.001	0.048	0.010	0.027	0.001	0.045	-0.034	-0.037	-0.005
MSPD10i	0.797	-0.020	0.018	-0.033	0.035	0.021	0.015	-0.005	0.022	0.047	0.005	0.027	0.024	-0.026	-0.007
MSPD10j	0.740	0.027	0.113	-0.079	0.038	0.069	-0.017	0.012	0.019	-0.024	-0.000	-0.013	0.007	-0.025	0.013

Table SF72: EFA for Total Sample (Excluding Supplementary Items): 15 Factors Using Oblimin Rotation.

In Table SF73, we listed the items of each factor that exceeded the threshold of 0.40. In Factor 15, we did not have any loading exceeding this threshold.

Factor	**Items**
F1	MSPD10a, MSPD10b, MSPD10c, MSPD10d, MSPD10e, MSPD10f, MSPD10g, MSPD10h, MSPD10i, MSPD10j
F2	MSPD1a, MSPD2a, MSPD3a, MSPD4a, MSPD5a, MSPD6a, MSPD7a, MSPD8a, MSPD9a
F3	MIQ4, MIQ5, SOQ1c, SOQ2c
F4	MIQ1, TCS1, TCS2, TCS3, TCS4, TCS5
F5	MSPD1c, MSPD1d, MSPD1e, MSPD2c, MSPD2d, MSPD2e
F6	MSPD8c, MSPD8d, MSPD8e
F7	MSPD1b, MSPD2b, MSPD3b, MSPD5b, MSPD7b
F8	SOQ3a, SOQ3b, SOQ3d, SOQ3e
F9	SOQ2b, SOQ2d, SOQ2e
F10	MSPD9c, MSPD9d, MSPD9e
F11	MSPD6c, MSPD6d, MSPD6e
F12	MSPD4c, MSPD4d, MSPD4e
F13	SOQ1b, SOQ1d, SOQ1e
F14	MSPD5c, MSPD5d, MSPD5e
F15	-

Table SF73: Factor Structure and Items: 15 Factors (Oblimin Rotation).

Factors	**Eigenvalues**	**VAR**	**CUM**
1	6.5297	0.0647	0.0647
2	4.7719	0.0472	0.1119
3	4.7213	0.0467	0.1586
4	4.4464	0.0440	0.2027
5	3.1503	0.0312	0.2339
6	3.0490	0.0302	0.2640
7	3.0283	0.0300	0.2940
8	2.8851	0.0286	0.3226
9	2.8526	0.0282	0.3508
10	2.8418	0.0281	0.3790
11	2.7304	0.0270	0.4060
12	2.7151	0.0269	0.4329
13	2.1742	0.0215	0.4544
14	1.2601	0.0125	0.4669

Table SF74: Factors, Eigenvalues, Variance Explained, and Cumulative Variance for 14 Factors (Oblimin Rotation).

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14
MIQ1	-0.054	-0.068	0.005	0.595	0.001	-0.018	-0.009	-0.020	0.076	0.018	-0.044	0.166	0.004	-0.034
MIQ3	0.114	-0.087	-0.455	0.089	-0.006	0.062	-0.062	-0.091	-0.043	-0.025	0.022	0.111	-0.130	0.127
MIQ4	-0.084	0.075	0.442	0.058	0.031	0.002	0.092	0.066	0.032	0.053	-0.056	-0.016	0.161	-0.151
MIQ5	-0.089	0.149	0.588	-0.031	0.019	-0.106	0.051	0.016	0.032	0.032	-0.043	0.107	0.154	-0.062
MIQ6	0.068	-0.001	0.025	-0.401	-0.009	0.048	0.036	-0.029	-0.039	-0.012	-0.058	0.262	-0.018	0.002
MIQ7	0.067	-0.065	0.031	-0.418	0.001	0.068	0.057	0.005	-0.019	0.015	-0.083	0.311	-0.014	-0.041
MIQ9	0.052	0.027	-0.016	-0.513	0.044	-0.045	0.018	0.108	0.043	0.017	0.029	0.250	0.027	-0.100
MIQ10	0.104	0.029	0.040	-0.452	0.021	-0.072	0.021	0.110	0.057	0.014	0.032	0.237	0.091	-0.123
TCS1	0.004	0.054	0.011	0.712	0.026	-0.066	0.014	0.035	-0.032	-0.041	-0.094	-0.095	0.008	-0.041
TCS2	0.002	-0.000	0.032	0.819	-0.009	-0.010	0.000	-0.028	-0.053	-0.023	-0.063	-0.053	0.011	0.010
TCS3	-0.040	0.017	-0.024	0.796	-0.009	0.020	-0.000	-0.027	-0.040	-0.012	-0.034	-0.098	-0.003	0.038
TCS4	-0.043	-0.009	-0.005	0.800	0.020	0.020	-0.018	0.003	0.027	0.006	0.043	0.130	-0.038	-0.001
TCS5	0.033	-0.050	0.002	0.732	-0.019	-0.037	0.054	0.055	0.118	0.032	0.072	0.084	-0.048	-0.091
OSRI1	0.077	0.176	0.124	-0.007	0.034	-0.051	0.052	-0.049	0.016	-0.015	-0.120	0.132	0.074	-0.019
OSRI2	0.132	0.001	-0.148	0.132	-0.037	0.018	-0.061	0.047	0.034	0.049	-0.027	0.243	-0.029	0.036
OSRI3	0.045	0.008	-0.051	-0.141	0.037	0.067	0.128	0.095	0.062	-0.029	0.107	0.078	-0.007	-0.078
OSRI4	0.101	0.024	-0.067	0.008	0.036	0.040	0.035	-0.029	-0.010	0.021	0.017	0.082	-0.035	0.014
OSRI5	-0.080	0.117	0.159	0.045	0.009	-0.138	-0.091	-0.079	-0.023	0.041	-0.000	-0.095	0.044	-0.030
OSRI6	0.044	0.161	0.210	0.011	0.086	0.014	-0.015	-0.042	0.004	0.011	-0.074	0.160	0.054	-0.033
OSRI7	0.168	-0.075	-0.210	0.126	-0.001	0.030	-0.052	0.059	-0.041	-0.030	-0.087	0.138	-0.026	0.059
OSRI8	0.084	0.105	0.212	0.022	0.080	-0.051	0.028	-0.116	-0.051	-0.034	-0.063	0.017	-0.003	-0.091
OSRI9	0.134	0.034	-0.093	-0.099	0.038	0.053	0.035	-0.012	0.029	-0.048	0.041	0.166	-0.071	0.054
OSRI10	0.007	0.182	0.051	-0.090	0.006	0.016	0.052	-0.041	-0.003	-0.047	-0.006	0.044	0.085	-0.032
OSRI11	0.117	0.092	-0.127	-0.005	0.057	0.036	-0.010	0.020	-0.027	-0.047	0.064	0.237	-0.030	0.054
OSRI12	0.098	-0.049	-0.208	0.064	0.074	0.058	0.011	-0.000	-0.126	0.086	-0.048	0.184	-0.057	0.063
OSRI13	0.029	0.172	0.290	0.061	-0.007	-0.088	0.030	-0.038	-0.024	0.102	-0.103	0.152	0.079	-0.010
OSRI14	0.121	0.046	-0.143	0.190	0.024	0.015	-0.009	-0.049	-0.070	0.061	-0.080	0.149	-0.031	0.041
OSRI15	0.071	0.235	0.232	0.011	-0.018	-0.055	0.042	-0.051	-0.016	0.027	-0.059	0.137	0.023	0.008
OSRI16	0.143	0.003	-0.244	0.180	0.050	0.022	-0.067	0.025	-0.098	0.001	-0.044	0.197	-0.086	0.117
OSRI17	0.018	0.164	0.176	0.038	0.001	-0.010	0.015	-0.033	-0.005	-0.013	-0.027	0.036	0.017	-0.013
OSRI18	0.117	-0.019	-0.141	0.044	0.024	0.063	-0.022	0.061	-0.060	0.043	-0.021	0.299	-0.039	0.064
SOQ1a	-0.015	0.011	-0.799	0.050	0.030	-0.019	0.037	0.011	-0.010	0.020	0.006	-0.054	0.377	-0.032
SOQ1b	0.017	0.002	-0.039	-0.037	0.009	0.023	-0.009	-0.002	0.005	-0.010	0.035	0.008	0.950	0.002
SOQ1c	-0.020	0.029	0.702	0.098	0.008	-0.011	0.024	-0.020	-0.046	0.013	0.140	-0.041	0.356	0.004

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14
SOQ1d	0.038	-0.014	0.037	-0.046	-0.038	-0.033	-0.031	-0.007	-0.000	0.039	0.284	0.074	0.626	0.015
SOQ1e	0.027	-0.068	0.049	-0.071	-0.029	0.017	-0.015	0.044	0.047	-0.006	0.144	0.216	0.581	0.022
SOQ2a	0.028	0.001	-0.815	0.069	0.022	-0.021	0.011	0.003	0.001	0.018	-0.023	0.211	0.029	-0.007
SOQ2b	0.038	0.027	-0.111	-0.028	0.044	0.017	0.038	-0.001	-0.012	0.049	-0.024	0.687	0.200	-0.028
SOQ2c	0.005	0.087	0.720	0.056	0.027	-0.004	0.036	-0.012	0.007	-0.022	0.092	0.279	-0.010	0.014
SOQ2d	0.015	0.002	0.078	-0.081	-0.013	0.022	-0.008	0.040	0.008	0.063	0.133	0.735	0.011	0.034
SOQ2e	0.032	-0.056	0.046	-0.099	-0.006	0.065	0.049	0.035	0.048	0.017	0.063	0.758	0.001	0.008
SOQ3a	-0.024	0.021	-0.802	0.016	0.020	-0.017	0.074	0.016	-0.005	0.017	0.419	-0.063	0.034	-0.028
SOQ3b	0.013	0.018	-0.097	-0.038	0.038	0.031	0.006	0.012	-0.002	-0.001	0.753	-0.002	0.242	-0.008
SOQ3c	-0.009	0.038	0.627	0.096	0.029	-0.008	0.009	-0.011	-0.027	-0.012	0.577	-0.071	0.037	-0.001
SOQ3d	0.018	0.018	-0.040	-0.054	0.010	-0.009	0.000	-0.010	-0.012	0.032	0.912	0.050	0.040	0.004
SOQ3e	0.030	-0.038	-0.006	-0.075	-0.014	0.030	-0.003	0.028	0.062	-0.030	0.726	0.169	0.096	0.008
MSPD1a	0.039	0.720	0.036	-0.025	-0.027	-0.046	0.125	0.009	-0.038	-0.055	-0.013	0.008	-0.002	-0.043
MSPD1b	0.023	0.020	-0.024	-0.085	-0.002	0.526	0.292	-0.033	-0.036	-0.017	-0.012	0.115	0.036	-0.022
MSPD1c	0.039	-0.029	-0.008	0.005	0.044	0.062	0.807	0.089	0.084	-0.012	0.009	0.050	-0.020	-0.104
MSPD1d	0.026	0.021	-0.015	0.011	0.061	0.011	0.863	-0.033	0.019	0.047	-0.007	-0.036	-0.015	-0.002
MSPD1e	0.048	0.048	-0.005	-0.007	0.046	0.032	0.709	-0.029	0.025	0.051	-0.006	0.058	0.002	0.191
MSPD2a	-0.009	0.775	-0.010	-0.030	0.015	-0.063	0.069	-0.092	0.005	-0.013	-0.012	-0.013	0.039	0.025
MSPD2b	0.034	-0.070	-0.001	-0.056	0.023	0.638	0.201	0.084	0.018	0.039	0.002	0.056	0.014	-0.005
MSPD2c	0.016	-0.098	-0.007	-0.052	-0.011	0.095	0.355	0.332	0.103	0.123	0.015	0.029	0.019	0.102
MSPD2d	0.025	-0.062	-0.011	-0.059	-0.004	0.068	0.406	0.277	0.080	0.128	0.004	-0.040	0.027	0.177
MSPD2e	0.033	-0.049	-0.002	-0.047	0.006	0.069	0.313	0.201	0.104	0.138	-0.003	0.028	0.044	0.351
MSPD3a	-0.011	0.783	0.008	0.024	-0.003	0.004	0.015	-0.043	-0.063	-0.044	-0.018	0.015	-0.011	0.069
MSPD3b	0.042	-0.047	0.031	0.034	-0.015	0.624	0.152	0.141	0.086	0.047	0.000	0.006	0.023	0.051
MSPD3c	-0.011	-0.092	0.032	-0.013	0.077	0.098	0.207	0.381	0.092	0.158	-0.015	0.042	0.025	0.165
MSPD3d	0.023	-0.047	0.031	-0.018	0.089	0.013	0.225	0.304	0.058	0.206	-0.014	0.005	0.005	0.263
MSPD3e	0.028	-0.037	0.010	-0.018	0.079	0.033	0.125	0.240	0.123	0.177	-0.026	0.049	0.038	0.453
MSPD4a	-0.023	0.762	-0.001	0.024	0.016	0.018	-0.066	0.143	-0.052	-0.086	0.003	0.009	0.005	0.051
MSPD4b	0.088	0.053	-0.034	-0.024	0.027	0.515	-0.010	0.406	0.021	0.016	-0.004	0.092	0.006	-0.069
MSPD4c	0.052	0.000	-0.011	-0.013	0.060	0.046	0.031	0.818	0.040	0.082	0.011	0.016	-0.003	-0.043
MSPD4d	0.053	0.018	-0.008	-0.030	0.057	0.006	0.042	0.810	0.047	0.089	0.002	-0.000	-0.009	-0.007
MSPD4e	0.057	0.001	-0.003	-0.030	0.060	0.028	-0.010	0.643	0.030	0.091	-0.026	0.062	0.036	0.255
MSPD5a	-0.042	0.770	0.014	-0.023	-0.029	0.054	0.013	0.129	0.070	-0.026	0.043	-0.025	-0.071	-0.033
MSPD5b	0.096	0.126	0.011	-0.036	0.030	0.613	0.022	0.030	-0.010	0.016	0.069	0.028	-0.019	0.174
MSPD5c	0.020	0.018	0.038	-0.030	0.072	0.047	0.237	0.297	0.220	0.115	0.054	-0.031	-0.023	0.189

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14
MSPD5d	0.049	0.030	0.044	-0.027	0.087	0.011	0.245	0.233	0.177	0.174	0.057	-0.076	-0.028	0.246
MSPD5e	0.038	0.051	0.032	-0.005	0.081	0.027	0.130	0.226	0.176	0.164	0.033	0.001	0.016	0.436
MSPD6a	0.012	0.732	-0.000	-0.013	0.023	0.004	-0.098	-0.094	-0.124	0.171	0.012	-0.023	0.003	-0.021
MSPD6b	0.057	0.051	0.002	-0.030	0.004	0.593	-0.058	-0.013	-0.011	0.458	-0.013	-0.015	0.017	-0.095
MSPD6c	0.017	-0.042	-0.013	-0.007	0.019	0.037	0.042	0.115	0.046	0.830	0.009	0.033	-0.021	-0.087
MSPD6d	0.034	-0.013	0.002	-0.005	0.028	-0.018	0.048	0.061	0.036	0.872	-0.004	-0.007	-0.004	-0.020
MSPD6e	0.044	0.001	-0.007	-0.016	0.039	0.012	-0.015	-0.020	0.046	0.800	0.007	0.043	0.018	0.191
MSPD7a	0.111	0.563	0.009	-0.003	-0.038	0.035	0.003	0.075	0.098	0.014	0.008	0.041	0.026	-0.105
MSPD7b	0.011	0.066	0.012	-0.065	0.151	0.542	0.016	-0.028	-0.040	0.048	0.022	0.032	-0.035	0.060
MSPD7c	0.010	-0.028	-0.000	-0.052	0.149	0.062	0.262	0.110	0.263	0.204	0.010	0.048	-0.009	-0.021
MSPD7d	-0.004	0.023	-0.014	-0.018	0.168	0.030	0.285	0.059	0.200	0.286	-0.015	-0.014	-0.000	0.050
MSPD7e	0.002	0.014	-0.009	-0.047	0.194	0.061	0.179	0.012	0.193	0.222	-0.011	0.020	0.031	0.264
MSPD8a	0.121	0.547	0.001	-0.022	0.071	0.108	0.005	-0.061	0.043	0.037	0.005	-0.015	-0.032	-0.062
MSPD8b	0.103	0.117	-0.002	-0.007	0.449	0.464	-0.061	-0.008	-0.038	-0.010	-0.036	0.018	0.010	-0.035
MSPD8c	0.006	-0.035	0.007	-0.008	0.949	-0.001	0.012	0.011	0.031	-0.018	0.017	-0.004	-0.016	-0.060
MSPD8d	-0.000	0.002	-0.002	0.017	0.967	-0.028	0.022	-0.000	0.014	0.021	0.006	-0.024	-0.012	-0.032
MSPD8e	-0.008	0.001	-0.013	-0.002	0.918	-0.001	-0.018	0.007	0.027	-0.006	-0.013	0.016	0.014	0.094
MSPD9a	0.102	0.544	-0.058	0.051	-0.101	0.106	-0.118	-0.089	0.315	-0.018	0.004	-0.031	0.002	0.013
MSPD9b	0.108	0.039	0.011	-0.001	0.008	0.528	-0.069	0.002	0.413	-0.021	0.016	0.014	0.038	-0.020
MSPD9c	-0.003	-0.035	0.006	-0.008	0.075	0.015	0.047	0.050	0.867	0.030	0.006	0.011	-0.009	-0.076
MSPD9d	0.020	0.001	-0.001	0.006	0.074	-0.025	0.048	0.009	0.857	0.060	0.001	-0.028	-0.006	-0.007
MSPD9e	0.040	-0.010	-0.006	0.013	0.072	-0.004	0.014	0.000	0.770	0.040	-0.019	0.038	0.036	0.176
MSPD10a	0.836	0.028	0.007	-0.018	-0.009	-0.002	0.043	-0.004	0.045	0.030	0.013	-0.018	-0.032	-0.037
MSPD10b	0.872	0.012	-0.044	0.043	-0.015	0.008	0.011	-0.006	0.075	-0.005	0.002	-0.038	-0.031	-0.024
MSPD10c	0.778	-0.014	-0.048	0.036	-0.005	-0.001	-0.005	-0.051	0.001	0.009	-0.009	-0.029	0.045	0.028
MSPD10d	0.782	-0.035	-0.054	0.066	-0.028	0.043	-0.023	0.071	-0.049	-0.015	-0.032	0.024	0.038	-0.001
MSPD10e	0.670	-0.001	-0.000	0.021	-0.000	0.008	-0.011	0.016	-0.024	0.023	-0.012	0.040	0.039	-0.013
MSPD10f	0.860	0.052	0.043	-0.049	0.017	-0.071	0.037	-0.005	-0.042	-0.009	-0.008	-0.006	0.005	0.016
MSPD10g	0.723	-0.022	-0.019	0.027	-0.064	0.037	-0.034	-0.020	-0.085	0.035	0.031	-0.021	0.004	0.058
MSPD10h	0.767	-0.008	0.019	-0.089	0.054	0.008	-0.034	0.047	0.031	-0.004	0.045	0.013	-0.032	-0.007
MSPD10i	0.802	-0.027	0.016	-0.033	0.018	0.016	0.011	0.028	0.045	0.002	-0.007	0.023	0.024	-0.016
MSPD10j	0.745	0.021	0.111	-0.079	0.064	-0.017	0.026	-0.019	-0.032	-0.001	0.008	0.019	0.008	0.003

Table SF75: EFA for Total Sample (Excluding Supplementary Items): 14 Factors Using Oblimin Rotation.

In Table SF76, we listed the items of each factor that exceeded the threshold of 0.40. In Factor 14, we did not have any loading exceeding this threshold.

Factor	**Items**
F1	MSPD10a, MSPD10b, MSPD10c, MSPD10d, MSPD10e, MSPD10f, MSPD10g, MSPD10h, MSPD10i, MSPD10j
F2	MSPD1a, MSPD2a, MSPD3a, MSPD4a, MSPD5a, MSPD6a, MSPD7a, MSPD8a, MSPD9a
F3	MIQ4, MIQ5, SOQ1c, SOQ2c
F4	MIQ1, TCS1, TCS2, TCS3, TCS4, TCS5
F5	MSPD8c, MSPD8d, MSPD8e
F6	MSPD1b, MSPD2b, MSPD3b, MSPD5b, MSPD7b
F7	MSPD1c, MSPD1d, MSPD1e
F8	MSPD4c, MSPD4d, MSPD4e
F9	MSPD9c, MSPD9d, MSPD9e
F10	MSPD6c, MSPD6d, MSPD6e
F11	SOQ3a, SOQ3b, SOQ3d, SOQ3e
F12	SOQ2b, SOQ2d, SOQ2e
F13	SOQ1b, SOQ1d, SOQ1e
F14	-

Table SF76: Factor Structure and Items: 14 Factors (Oblimin Rotation).

Factors	**Eigenvalues**	**VAR**	**CUM**
1	6.5567	0.0649	0.0649
2	4.7891	0.0474	0.1123
3	4.6829	0.0464	0.1587
4	4.4840	0.0444	0.2031
5	4.4484	0.0440	0.2471
6	3.1570	0.0313	0.2784
7	3.0532	0.0302	0.3086
8	3.0514	0.0302	0.3388
9	2.8892	0.0286	0.3674
10	2.8650	0.0284	0.3958
11	2.7791	0.0275	0.4233
12	2.7522	0.0272	0.4506
13	1.2852	0.0127	0.4633

Table SF77: Factors, Eigenvalues, Variance Explained, and Cumulative Variance for 13 Factors (Oblimin Rotation).

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13
MIQ1	-0.051	-0.072	0.006	0.593	-0.045	0.001	-0.014	-0.008	-0.017	0.079	0.016	0.170	-0.032
MIQ3	0.124	-0.100	-0.444	0.076	-0.077	-0.005	0.083	-0.058	-0.082	-0.037	-0.045	0.068	0.115
MIQ4	-0.095	0.090	0.427	0.073	0.063	0.030	-0.022	0.089	0.057	0.026	0.076	0.040	-0.137
MIQ5	-0.094	0.157	0.579	-0.023	0.071	0.018	-0.121	0.047	0.010	0.028	0.049	0.147	-0.049
MIQ6	0.070	-0.004	0.033	-0.406	-0.077	-0.008	0.053	0.037	-0.027	-0.037	-0.015	0.262	0.003
MIQ7	0.067	-0.066	0.037	-0.423	-0.102	0.002	0.071	0.059	0.008	-0.018	0.013	0.314	-0.040
MIQ9	0.051	0.028	-0.012	-0.515	0.039	0.044	-0.046	0.019	0.110	0.044	0.015	0.259	-0.098
MIQ10	0.101	0.034	0.036	-0.451	0.086	0.021	-0.079	0.022	0.110	0.057	0.019	0.260	-0.118
TCS1	0.001	0.059	0.002	0.722	-0.085	0.025	-0.073	0.013	0.033	-0.033	-0.034	-0.072	-0.038
TCS2	0.001	0.002	0.026	0.827	-0.053	-0.010	-0.013	0.000	-0.029	-0.054	-0.018	-0.038	0.011
TCS3	-0.040	0.017	-0.029	0.802	-0.033	-0.009	0.020	-0.000	-0.027	-0.040	-0.010	-0.092	0.037
TCS4	-0.037	-0.018	-0.000	0.794	0.013	0.020	0.031	-0.017	0.009	0.032	-0.003	0.118	-0.004
TCS5	0.037	-0.059	0.010	0.728	0.036	-0.018	-0.028	0.055	0.061	0.123	0.023	0.074	-0.093
OSRI1	0.072	0.183	0.118	0.000	-0.071	0.034	-0.061	0.050	-0.052	0.014	-0.005	0.170	-0.011
OSRI2	0.135	-0.005	-0.142	0.129	-0.057	-0.036	0.026	-0.060	0.053	0.038	0.041	0.241	0.035
OSRI3	0.047	0.005	-0.044	-0.141	0.100	0.037	0.070	0.128	0.098	0.064	-0.033	0.072	-0.078
OSRI4	0.103	0.020	-0.062	0.007	-0.011	0.037	0.045	0.035	-0.026	-0.007	0.015	0.077	0.012
OSRI5	-0.083	0.122	0.154	0.051	0.032	0.010	-0.145	-0.093	-0.082	-0.024	0.046	-0.076	-0.026
OSRI6	0.041	0.166	0.206	0.017	-0.039	0.087	0.007	-0.017	-0.044	0.003	0.018	0.190	-0.027
OSRI7	0.169	-0.077	-0.208	0.125	-0.107	-0.000	0.034	-0.052	0.060	-0.039	-0.033	0.142	0.060
OSRI8	0.080	0.108	0.212	0.029	-0.065	0.080	-0.056	0.026	-0.117	-0.052	-0.030	0.039	-0.088
OSRI9	0.139	0.025	-0.080	-0.104	-0.013	0.039	0.064	0.035	-0.007	0.033	-0.060	0.149	0.051
OSRI10	0.001	0.190	0.044	-0.082	0.046	0.006	0.006	0.051	-0.044	-0.005	-0.038	0.077	-0.027
OSRI11	0.122	0.084	-0.117	-0.008	0.037	0.058	0.046	-0.011	0.025	-0.022	-0.058	0.229	0.053
OSRI12	0.102	-0.055	-0.202	0.061	-0.090	0.075	0.067	0.011	0.005	-0.122	0.076	0.178	0.063
OSRI13	0.025	0.178	0.286	0.069	-0.053	-0.006	-0.097	0.027	-0.041	-0.025	0.110	0.192	0.001
OSRI14	0.124	0.041	-0.140	0.189	-0.107	0.025	0.021	-0.009	-0.045	-0.067	0.055	0.152	0.040
OSRI15	0.070	0.237	0.234	0.016	-0.046	-0.017	-0.059	0.040	-0.051	-0.016	0.029	0.158	0.014
OSRI16	0.150	-0.007	-0.235	0.175	-0.111	0.051	0.036	-0.066	0.032	-0.093	-0.013	0.180	0.113
OSRI17	0.017	0.166	0.177	0.044	-0.011	0.002	-0.015	0.013	-0.034	-0.005	-0.010	0.054	-0.009
OSRI18	0.123	-0.028	-0.132	0.037	-0.056	0.025	0.075	-0.020	0.068	-0.055	0.032	0.288	0.062
SOQ1a	-0.026	0.030	-0.819	0.062	0.263	0.029	-0.046	0.031	-0.004	-0.019	0.050	0.024	-0.012
SOQ1b	-0.015	0.056	-0.117	-0.017	0.667	0.003	-0.044	-0.012	-0.038	-0.019	0.073	0.183	0.038
SOQ1c	-0.034	0.050	0.671	0.109	0.391	0.006	-0.038	0.020	-0.035	-0.054	0.044	0.026	0.020

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13
SOQ1d	0.017	0.020	-0.012	-0.036	0.682	-0.040	-0.070	-0.031	-0.026	-0.012	0.082	0.179	0.037
SOQ1e	0.010	-0.035	0.001	-0.063	0.541	-0.033	-0.020	-0.014	0.025	0.034	0.040	0.304	0.044
SOQ2a	0.031	-0.002	-0.816	0.067	-0.012	0.023	-0.016	0.011	0.006	0.005	0.012	0.216	-0.004
SOQ2b	0.042	0.024	-0.114	-0.036	0.105	0.043	0.019	0.039	0.002	-0.009	0.054	0.709	-0.017
SOQ2c	0.013	0.074	0.738	0.048	0.090	0.026	0.008	0.034	-0.007	0.011	-0.029	0.258	0.015
SOQ2d	0.030	-0.019	0.100	-0.103	0.120	-0.013	0.048	-0.005	0.054	0.018	0.042	0.694	0.034
SOQ2e	0.048	-0.075	0.065	-0.121	0.060	-0.007	0.087	0.052	0.048	0.056	0.001	0.711	0.009
SOQ3a	-0.015	0.008	-0.783	0.015	0.441	0.022	-0.003	0.072	0.022	-0.001	-0.001	-0.090	-0.031
SOQ3b	0.019	0.008	-0.093	-0.042	0.910	0.037	0.040	0.007	0.016	0.001	-0.010	-0.024	-0.013
SOQ3c	-0.003	0.025	0.640	0.094	0.606	0.029	0.005	0.007	-0.005	-0.022	-0.027	-0.104	-0.007
SOQ3d	0.031	-0.004	-0.016	-0.067	0.906	0.012	0.020	0.004	0.005	-0.001	-0.004	-0.014	-0.011
SOQ3e	0.042	-0.055	0.008	-0.086	0.787	-0.014	0.050	0.000	0.039	0.068	-0.051	0.114	-0.002
MSPD1a	0.039	0.721	0.036	-0.024	-0.016	-0.027	-0.046	0.125	0.010	-0.038	-0.055	0.010	-0.042
MSPD1b	0.020	0.025	-0.027	-0.084	0.009	-0.002	0.521	0.295	-0.035	-0.037	-0.009	0.126	-0.022
MSPD1c	0.037	-0.027	-0.007	0.005	-0.010	0.043	0.059	0.815	0.089	0.082	-0.013	0.047	-0.104
MSPD1d	0.024	0.022	-0.015	0.011	-0.022	0.059	0.008	0.869	-0.035	0.017	0.046	-0.041	-0.002
MSPD1e	0.047	0.048	-0.006	-0.007	-0.012	0.045	0.032	0.712	-0.030	0.024	0.046	0.056	0.193
MSPD2a	-0.010	0.778	-0.014	-0.030	0.011	0.015	-0.065	0.069	-0.092	0.005	-0.011	-0.007	0.027
MSPD2b	0.032	-0.065	-0.002	-0.054	0.013	0.023	0.631	0.202	0.083	0.018	0.047	0.064	-0.004
MSPD2c	0.014	-0.096	-0.009	-0.051	0.026	-0.011	0.091	0.355	0.331	0.103	0.123	0.030	0.107
MSPD2d	0.024	-0.059	-0.014	-0.058	0.021	-0.004	0.064	0.406	0.275	0.079	0.129	-0.040	0.183
MSPD2e	0.033	-0.048	-0.006	-0.047	0.025	0.006	0.067	0.311	0.198	0.104	0.136	0.031	0.359
MSPD3a	-0.009	0.782	0.008	0.021	-0.028	-0.003	0.008	0.015	-0.041	-0.062	-0.047	0.009	0.068
MSPD3b	0.040	-0.042	0.029	0.037	0.020	-0.015	0.617	0.152	0.139	0.085	0.055	0.013	0.054
MSPD3c	-0.012	-0.091	0.031	-0.013	0.000	0.077	0.096	0.207	0.379	0.092	0.157	0.044	0.172
MSPD3d	0.025	-0.049	0.032	-0.020	-0.011	0.089	0.014	0.223	0.303	0.058	0.201	-0.003	0.270
MSPD3e	0.030	-0.038	0.008	-0.019	-0.003	0.080	0.034	0.121	0.237	0.124	0.171	0.050	0.462
MSPD4a	-0.023	0.763	-0.001	0.023	0.002	0.016	0.021	-0.066	0.144	-0.052	-0.086	0.007	0.050
MSPD4b	0.086	0.056	-0.035	-0.023	0.001	0.027	0.511	-0.007	0.406	0.021	0.024	0.095	-0.069
MSPD4c	0.050	0.003	-0.012	-0.011	0.008	0.060	0.042	0.033	0.819	0.040	0.085	0.016	-0.040
MSPD4d	0.051	0.020	-0.008	-0.029	-0.006	0.057	0.003	0.044	0.811	0.047	0.090	-0.001	-0.005
MSPD4e	0.056	0.002	-0.006	-0.030	-0.004	0.060	0.026	-0.010	0.641	0.030	0.092	0.066	0.261
MSPD5a	-0.038	0.763	0.024	-0.027	-0.012	-0.028	0.062	0.014	0.133	0.072	-0.035	-0.045	-0.037
MSPD5b	0.100	0.121	0.018	-0.040	0.055	0.030	0.619	0.023	0.031	-0.008	0.014	0.011	0.170
MSPD5c	0.024	0.012	0.045	-0.034	0.039	0.072	0.054	0.237	0.297	0.221	0.107	-0.053	0.190

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13
MSPD5d	0.054	0.022	0.052	-0.032	0.039	0.088	0.019	0.244	0.234	0.179	0.164	-0.103	0.247
MSPD5e	0.043	0.044	0.036	-0.009	0.042	0.081	0.035	0.127	0.225	0.177	0.154	-0.015	0.440
MSPD6a	0.013	0.731	-0.001	-0.014	0.009	0.024	0.006	-0.097	-0.091	-0.122	0.167	-0.025	-0.022
MSPD6b	0.056	0.055	-0.002	-0.028	-0.003	0.006	0.587	-0.054	-0.011	-0.009	0.462	-0.007	-0.095
MSPD6c	0.022	-0.047	-0.011	-0.011	-0.011	0.021	0.042	0.047	0.123	0.052	0.816	0.022	-0.084
MSPD6d	0.039	-0.018	0.002	-0.009	-0.013	0.031	-0.014	0.052	0.068	0.040	0.859	-0.017	-0.017
MSPD6e	0.049	-0.004	-0.007	-0.020	0.014	0.042	0.017	-0.013	-0.015	0.051	0.785	0.036	0.196
MSPD7a	0.111	0.564	0.009	-0.004	0.025	-0.038	0.033	0.004	0.076	0.098	0.016	0.044	-0.104
MSPD7b	0.012	0.066	0.015	-0.067	-0.006	0.152	0.544	0.018	-0.026	-0.039	0.048	0.024	0.057
MSPD7c	0.010	-0.029	0.002	-0.052	0.002	0.150	0.061	0.263	0.111	0.265	0.200	0.046	-0.018
MSPD7d	-0.004	0.023	-0.014	-0.018	-0.016	0.169	0.029	0.285	0.059	0.202	0.283	-0.015	0.054
MSPD7e	0.003	0.015	-0.012	-0.046	0.009	0.195	0.060	0.177	0.010	0.194	0.219	0.024	0.270
MSPD8a	0.122	0.546	0.005	-0.022	-0.016	0.072	0.111	0.006	-0.058	0.045	0.034	-0.020	-0.063
MSPD8b	0.101	0.121	-0.004	-0.005	-0.028	0.450	0.460	-0.060	-0.009	-0.039	-0.002	0.027	-0.036
MSPD8c	0.007	-0.035	0.008	-0.008	0.006	0.949	-0.001	0.012	0.012	0.030	-0.019	-0.007	-0.061
MSPD8d	-0.000	0.002	-0.002	0.017	-0.003	0.968	-0.028	0.022	-0.000	0.014	0.020	-0.025	-0.033
MSPD8e	-0.009	0.003	-0.017	-0.001	-0.007	0.918	-0.002	-0.018	0.005	0.027	-0.006	0.021	0.096
MSPD9a	0.102	0.546	-0.060	0.051	0.004	-0.100	0.105	-0.118	-0.088	0.316	-0.018	-0.030	0.012
MSPD9b	0.106	0.046	0.008	0.002	0.044	0.008	0.520	-0.067	-0.001	0.412	-0.011	0.024	-0.021
MSPD9c	-0.004	-0.033	0.007	-0.007	0.001	0.075	0.012	0.048	0.050	0.869	0.030	0.009	-0.075
MSPD9d	0.020	0.002	0.000	0.006	-0.004	0.074	-0.027	0.049	0.008	0.859	0.059	-0.030	-0.007
MSPD9e	0.039	-0.008	-0.009	0.014	0.002	0.072	-0.007	0.013	-0.002	0.771	0.041	0.045	0.179
MSPD10a	0.839	0.026	0.009	-0.018	-0.008	-0.009	-0.001	0.044	-0.003	0.045	0.027	-0.026	-0.039
MSPD10b	0.874	0.012	-0.042	0.043	-0.018	-0.015	0.008	0.011	-0.006	0.075	-0.007	-0.044	-0.026
MSPD10c	0.777	-0.011	-0.052	0.037	0.023	-0.006	-0.004	-0.006	-0.054	-0.001	0.013	-0.024	0.029
MSPD10d	0.781	-0.031	-0.058	0.067	-0.005	-0.029	0.039	-0.023	0.068	-0.050	-0.009	0.033	0.001
MSPD10e	0.669	0.001	-0.003	0.022	0.015	-0.001	0.005	-0.011	0.014	-0.025	0.027	0.048	-0.010
MSPD10f	0.861	0.052	0.042	-0.047	-0.003	0.017	-0.072	0.036	-0.007	-0.043	-0.008	-0.005	0.017
MSPD10g	0.724	-0.023	-0.019	0.027	0.034	-0.064	0.039	-0.035	-0.021	-0.085	0.033	-0.024	0.058
MSPD10h	0.770	-0.011	0.025	-0.089	0.025	0.054	0.010	-0.035	0.048	0.032	-0.008	0.006	-0.008
MSPD10i	0.801	-0.024	0.013	-0.030	0.011	0.017	0.012	0.011	0.026	0.044	0.006	0.031	-0.015
MSPD10j	0.746	0.022	0.112	-0.076	0.014	0.064	-0.019	0.026	-0.020	-0.033	-0.000	0.025	0.003

Table SF78: EFA for Total Sample (Excluding Supplementary Items): 13 Factors Using Oblimin Rotation.

In Table SF79, we listed the items of each factor that exceeded the threshold of 0.40. In Factor 13, we have only two items that have loadings greater than 0.40.

Factor	**Items**
F1	MSPD10a, MSPD10b, MSPD10c, MSPD10d, MSPD10e, MSPD10f, MSPD10g, MSPD10h, MSPD10i, MSPD10j
F2	MSPD1a, MSPD2a, MSPD3a, MSPD4a, MSPD5a, MSPD6a, MSPD7a, MSPD8a, MSPD9a
F3	MIQ4, MIQ5, SOQ1c, SOQ2c
F4	MIQ1, TCS1, TCS2, TCS3, TCS4, TCS5
F5	SOQ1b, SOQ1d, SOQ1e, SOQ3a, SOQ3b, SOQ3d, SOQ3e
F6	MSPD8c, MSPD8d, MSPD8e
F7	MSPD1b, MSPD2b, MSPD3b, MSPD5b, MSPD7b
F8	MSPD1c, MSPD1d, MSPD1e
F9	MSPD4c, MSPD4d, MSPD4e
F10	MSPD9c, MSPD9d, MSPD9e
F11	MSPD6c, MSPD6d, MSPD6e
F12	SOQ2b, SOQ2d, SOQ2e
F13	MSPD3e, MSPD5e

Table SF79: Factor Structure and Items: 13 Factors (Oblimin Rotation).

Factors	**Eigenvalues**	**VAR**	**CUM**
1	6.5595	0.0683	0.0683
2	4.8154	0.0502	0.1185
3	4.7437	0.0494	0.1679
4	4.4385	0.0462	0.2141
5	3.1809	0.0331	0.2473
6	3.1608	0.0329	0.2802
7	3.0390	0.0317	0.3119
8	3.0015	0.0313	0.3431
9	2.8176	0.0293	0.3725
10	2.8084	0.0293	0.4017
11	2.7766	0.0289	0.4306
12	2.2223	0.0231	0.4538
13	1.0546	0.0110	0.4648

Table SF80: Factors, Eigenvalues, Variance Explained, and Cumulative Variance for 13 Factors excluding Cross-loadings (Oblimin Rotation).

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13
MIQ1	-0.057	-0.069	0.008	0.595	-0.015	-0.032	0.016	0.000	0.166	0.081	-0.042	0.007	-0.034
MIQ3	0.123	-0.078	-0.451	0.096	-0.040	-0.079	-0.012	-0.003	0.135	-0.049	0.033	-0.151	0.115
MIQ4	-0.085	0.080	0.433	0.056	0.080	0.061	0.055	0.029	-0.021	0.031	-0.065	0.176	-0.147
MIQ5	-0.109	0.130	0.591	-0.042	0.027	-0.003	0.012	0.019	0.077	0.041	-0.046	0.174	-0.048
MIQ6	0.070	0.007	0.024	-0.399	0.046	-0.023	-0.002	-0.006	0.274	-0.040	-0.057	-0.019	0.000
MIQ7	0.072	-0.052	0.030	-0.415	0.068	0.011	0.031	0.004	0.326	-0.022	-0.087	-0.010	-0.048
MIQ9	0.038	0.017	-0.007	-0.516	0.009	0.100	0.006	0.046	0.234	0.044	0.022	0.044	-0.099
MIQ10	0.087	0.015	0.049	-0.456	0.010	0.097	0.002	0.021	0.217	0.059	0.026	0.107	-0.123
TCS1	-0.006	0.043	0.014	0.708	0.001	0.026	-0.058	0.026	-0.108	-0.031	-0.105	0.028	-0.038
TCS2	0.001	-0.002	0.032	0.818	-0.000	-0.029	-0.025	-0.009	-0.053	-0.057	-0.062	0.013	0.012
TCS3	-0.035	0.023	-0.027	0.799	0.002	-0.019	-0.010	-0.010	-0.089	-0.043	-0.032	-0.007	0.035
TCS4	-0.041	-0.004	-0.002	0.803	-0.022	0.004	0.007	0.020	0.139	0.027	0.048	-0.041	-0.004
TCS5	0.023	-0.055	0.009	0.731	0.040	0.042	0.022	-0.022	0.075	0.122	0.067	-0.034	-0.089
OSRI1	0.068	0.162	0.129	-0.016	0.047	-0.062	-0.028	0.037	0.113	0.020	-0.139	0.109	-0.010
OSRI2	0.130	0.002	-0.142	0.132	-0.062	0.047	0.056	-0.034	0.248	0.036	-0.022	-0.032	0.034
OSRI3	0.051	0.021	-0.054	-0.137	0.136	0.104	-0.022	0.037	0.089	0.058	0.106	-0.010	-0.084
OSRI4	0.104	0.033	-0.067	0.013	0.038	-0.025	0.036	0.036	0.094	-0.013	0.016	-0.035	0.005
OSRI5	-0.099	0.095	0.166	0.038	-0.122	-0.104	0.026	0.011	-0.125	-0.016	-0.016	0.073	-0.019
OSRI6	0.047	0.164	0.210	0.008	-0.015	-0.046	0.012	0.092	0.158	0.002	-0.087	0.076	-0.027
OSRI7	0.172	-0.070	-0.209	0.128	-0.042	0.074	-0.033	0.002	0.149	-0.042	-0.086	-0.027	0.054
OSRI8	0.076	0.099	0.215	0.018	0.023	-0.135	-0.040	0.083	0.006	-0.052	-0.074	0.015	-0.081
OSRI9	0.141	0.039	-0.091	-0.100	0.047	-0.006	-0.046	0.041	0.172	0.032	0.037	-0.064	0.054
OSRI10	0.011	0.186	0.048	-0.091	0.057	-0.039	-0.051	0.009	0.046	-0.003	-0.018	0.100	-0.031
OSRI11	0.121	0.094	-0.122	-0.004	-0.003	0.029	-0.052	0.062	0.242	-0.023	0.055	-0.013	0.053
OSRI12	0.102	-0.039	-0.207	0.067	0.024	0.010	0.101	0.077	0.199	-0.134	-0.048	-0.057	0.056
OSRI13	0.010	0.156	0.297	0.053	0.010	-0.058	0.095	-0.004	0.126	-0.018	-0.124	0.118	-0.007
OSRI14	0.118	0.049	-0.141	0.192	-0.007	-0.050	0.070	0.023	0.161	-0.070	-0.064	-0.052	0.040
OSRI15	0.060	0.220	0.240	0.001	0.032	-0.063	0.013	-0.015	0.113	-0.010	-0.080	0.063	0.018
OSRI16	0.143	0.004	-0.238	0.183	-0.062	0.037	-0.000	0.054	0.207	-0.097	-0.036	-0.095	0.112
OSRI17	0.016	0.161	0.177	0.034	0.013	-0.035	-0.019	0.004	0.028	-0.005	-0.039	0.039	-0.007
OSRI18	0.119	-0.010	-0.138	0.048	-0.009	0.072	0.054	0.027	0.316	-0.065	-0.008	-0.057	0.057
SOQ1a	-0.013	0.007	-0.813	0.043	0.032	0.010	0.015	0.029	-0.064	-0.007	-0.008	0.399	-0.028
SOQ1b	0.028	0.014	-0.072	-0.042	-0.001	0.008	0.002	0.008	0.031	0.004	0.084	0.871	0.003
SOQ1c	-0.013	0.028	0.697	0.094	0.031	-0.017	0.012	0.006	-0.057	-0.047	0.113	0.404	0.002

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13
SOQ1d	0.042	-0.020	0.030	-0.053	-0.032	-0.004	0.033	-0.038	0.061	0.006	0.255	0.669	0.012
SOQ1e	0.034	-0.063	0.038	-0.071	-0.006	0.056	-0.004	-0.029	0.225	0.050	0.139	0.598	0.012
SOQ2a	0.023	-0.010	-0.807	0.064	0.004	-0.003	0.009	0.026	0.200	0.006	-0.027	0.040	-0.002
SOQ2b	0.033	0.024	-0.104	-0.038	0.034	-0.004	0.049	0.052	0.679	-0.006	-0.007	0.194	-0.022
SOQ2c	0.001	0.085	0.724	0.050	0.034	-0.011	-0.027	0.028	0.264	0.013	0.088	0.009	0.014
SOQ2d	0.011	-0.004	0.094	-0.090	-0.007	0.042	0.061	-0.007	0.716	0.015	0.128	0.035	0.032
SOQ2e	0.033	-0.053	0.058	-0.104	0.059	0.041	0.022	-0.001	0.757	0.052	0.066	0.015	0.002
SOQ3a	-0.030	0.014	-0.800	0.014	0.066	0.008	0.012	0.019	-0.077	-0.002	0.414	0.045	-0.023
SOQ3b	0.013	0.025	-0.101	-0.036	0.008	0.012	0.009	0.038	0.009	-0.005	0.792	0.183	-0.006
SOQ3c	-0.009	0.037	0.632	0.096	0.009	-0.014	-0.012	0.028	-0.085	-0.028	0.567	0.057	0.001
SOQ3d	0.013	0.012	-0.027	-0.054	-0.002	-0.017	0.029	0.011	0.036	-0.011	0.901	0.055	0.005
SOQ3e	0.030	-0.035	0.000	-0.069	0.003	0.033	-0.028	-0.013	0.176	0.062	0.738	0.086	0.002
MSPD1a	0.026	0.706	0.043	-0.031	0.116	-0.006	-0.071	-0.024	-0.011	-0.038	-0.021	0.017	-0.033
MSPD1b	0.109	0.112	-0.064	-0.063	0.383	0.049	0.071	-0.005	0.217	-0.072	0.016	-0.037	-0.048
MSPD1c	0.028	-0.038	-0.004	0.003	0.858	0.086	-0.023	0.030	0.039	0.068	0.004	-0.012	-0.114
MSPD1d	0.004	-0.001	-0.007	0.004	0.882	-0.043	0.036	0.049	-0.058	0.016	-0.009	-0.009	0.001
MSPD1e	0.034	0.027	0.002	-0.014	0.757	-0.028	0.034	0.034	0.036	0.020	-0.008	0.011	0.195
MSPD2a	-0.024	0.763	-0.004	-0.033	0.053	-0.111	-0.024	0.020	-0.028	0.009	-0.019	0.055	0.028
MSPD2b	0.137	0.055	-0.053	-0.026	0.288	0.197	0.153	0.023	0.186	-0.025	0.025	-0.061	-0.054
MSPD2c	0.011	-0.080	-0.013	-0.039	0.337	0.378	0.143	-0.015	0.051	0.102	0.013	0.014	0.048
MSPD2e	0.028	-0.044	-0.004	-0.040	0.308	0.247	0.147	0.002	0.038	0.112	-0.002	0.040	0.306
MSPD3a	-0.014	0.780	0.012	0.022	0.014	-0.048	-0.046	0.002	0.013	-0.065	-0.016	-0.011	0.069
MSPD3b	0.144	0.073	-0.021	0.059	0.246	0.257	0.149	-0.018	0.130	0.045	0.022	-0.051	0.004
MSPD3c	-0.011	-0.073	0.025	-0.005	0.212	0.430	0.172	0.069	0.056	0.084	-0.017	0.020	0.119
MSPD3d	0.007	-0.048	0.032	-0.016	0.209	0.337	0.210	0.082	0.000	0.061	-0.015	0.006	0.225
MSPD3e	0.022	-0.041	0.011	-0.018	0.137	0.284	0.173	0.071	0.042	0.128	-0.028	0.041	0.420
MSPD4a	-0.021	0.761	0.002	0.022	-0.067	0.148	-0.095	0.021	0.006	-0.052	0.003	0.007	0.052
MSPD4c	0.047	0.005	-0.011	-0.009	0.018	0.869	0.064	0.054	0.011	0.028	0.008	-0.000	-0.070
MSPD4d	0.041	0.013	-0.004	-0.030	0.023	0.847	0.065	0.049	-0.015	0.044	-0.003	-0.000	-0.027
MSPD4e	0.053	-0.007	0.000	-0.033	-0.009	0.693	0.066	0.054	0.049	0.032	-0.027	0.040	0.239
MSPD5a	-0.039	0.781	0.013	-0.021	0.012	0.137	-0.027	-0.028	-0.018	0.066	0.044	-0.077	-0.039
MSPD5b	0.201	0.233	-0.035	-0.011	0.133	0.141	0.115	0.028	0.148	-0.050	0.103	-0.109	0.131
MSPD5c	0.015	0.021	0.037	-0.029	0.245	0.325	0.111	0.060	-0.036	0.220	0.063	-0.036	0.169
MSPD5d	0.036	0.026	0.046	-0.028	0.239	0.257	0.168	0.076	-0.087	0.184	0.068	-0.042	0.231
MSPD5e	0.033	0.044	0.034	-0.009	0.147	0.258	0.154	0.069	-0.013	0.183	0.043	0.004	0.423

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13
MSPD6a	0.013	0.732	0.004	-0.011	-0.103	-0.109	0.179	0.028	-0.025	-0.131	0.005	0.013	-0.016
MSPD6c	0.007	-0.027	-0.010	-0.002	0.022	0.091	0.898	0.007	0.026	0.020	0.004	-0.019	-0.111
MSPD6d	0.015	-0.011	0.009	-0.004	0.011	0.028	0.934	0.016	-0.027	0.019	-0.009	0.001	-0.038
MSPD6e	0.034	0.004	-0.001	-0.017	-0.023	-0.040	0.854	0.027	0.026	0.032	0.005	0.021	0.176
MSPD7a	0.112	0.575	0.007	-0.000	-0.006	0.073	0.018	-0.035	0.051	0.096	0.013	0.018	-0.108
MSPD7b	0.106	0.166	-0.029	-0.038	0.110	0.065	0.143	0.149	0.143	-0.083	0.043	-0.105	0.023
MSPD7c	0.011	-0.015	-0.002	-0.047	0.262	0.117	0.219	0.141	0.052	0.259	0.004	-0.005	-0.041
MSPD7d	-0.011	0.030	-0.014	-0.016	0.273	0.060	0.306	0.158	-0.018	0.199	-0.020	0.005	0.031
MSPD7e	0.007	0.022	-0.011	-0.046	0.192	0.030	0.235	0.186	0.020	0.194	-0.015	0.033	0.246
MSPD8a	0.135	0.571	-0.006	-0.015	0.013	-0.053	0.062	0.070	0.010	0.033	0.011	-0.047	-0.071
MSPD8c	0.011	-0.023	0.006	-0.006	0.001	0.006	-0.022	0.965	0.001	0.014	0.015	-0.021	-0.065
MSPD8d	-0.001	0.008	-0.000	0.017	0.003	-0.012	0.016	0.981	-0.027	0.002	0.003	-0.012	-0.034
MSPD8e	-0.002	0.008	-0.013	-0.002	-0.021	0.007	-0.013	0.931	0.017	0.016	-0.017	0.013	0.090
MSPD9a	0.122	0.567	-0.065	0.058	-0.107	-0.073	0.001	-0.099	-0.004	0.304	0.012	-0.017	0.002
MSPD9c	0.004	-0.021	0.003	-0.004	0.034	0.045	0.023	0.058	0.013	0.887	0.006	-0.010	-0.089
MSPD9d	0.020	0.004	-0.000	0.006	0.025	-0.003	0.047	0.055	-0.035	0.887	0.000	-0.004	-0.014
MSPD9e	0.045	-0.010	-0.005	0.011	0.012	0.002	0.023	0.055	0.030	0.798	-0.020	0.039	0.169
MSPD10a	0.830	0.032	0.009	-0.017	0.036	-0.008	0.036	-0.005	-0.016	0.048	0.015	-0.036	-0.042
MSPD10b	0.871	0.018	-0.042	0.043	0.007	-0.008	0.000	-0.013	-0.035	0.082	0.002	-0.033	-0.027
MSPD10c	0.778	-0.013	-0.047	0.033	-0.002	-0.051	0.012	-0.002	-0.031	0.004	-0.011	0.046	0.026
MSPD10d	0.790	-0.030	-0.054	0.062	-0.011	0.079	-0.014	-0.025	0.025	-0.047	-0.035	0.041	0.004
MSPD10e	0.672	-0.002	0.002	0.015	-0.004	0.014	0.019	0.003	0.031	-0.022	-0.021	0.054	-0.004
MSPD10f	0.842	0.037	0.051	-0.055	0.026	-0.015	-0.023	0.021	-0.024	-0.032	-0.010	0.014	0.022
MSPD10g	0.730	-0.019	-0.019	0.025	-0.020	-0.010	0.038	-0.061	-0.020	-0.083	0.028	0.007	0.062
MSPD10h	0.765	-0.004	0.021	-0.089	-0.039	0.055	-0.004	0.058	0.014	0.035	0.045	-0.032	-0.012
MSPD10i	0.801	-0.021	0.017	-0.032	0.013	0.032	0.006	0.021	0.027	0.047	-0.005	0.021	-0.022
MSPD10j	0.738	0.018	0.115	-0.081	0.023	-0.018	-0.004	0.068	0.015	-0.029	0.005	0.014	0.002

Table SF81: EFA for Total Sample (Excluding Supplementary Items): 13 Factors excluding Cross-loadings Using Oblimin Rotation.

In Table SF82, we listed the items of each factor that exceeded the threshold of 0.40 excluding the items that exhibited cross-loadings.

Factor	**Items**
F1	MSPD10a, MSPD10b, MSPD10c, MSPD10d, MSPD10e, MSPD10f, MSPD10g, MSPD10h, MSPD10i, MSPD10j
F2	MSPD1a, MSPD2a, MSPD3a, MSPD4a, MSPD5a, MSPD6a, MSPD7a, MSPD8a, MSPD9a
F3	MIQ4, MIQ5, SOQ1c, SOQ2c
F4	MIQ1, TCS1, TCS2, TCS3, TCS4, TCS5
F5	MSPD1c, MSPD1d, MSPD1e
F6	MSPD4c, MSPD4d, MSPD4e
F7	MSPD6c, MSPD6d, MSPD6e
F8	MSPD8c, MSPD8d, MSPD8e
F9	SOQ2b, SOQ2d, SOQ2e
F10	MSPD9c, MSPD9d, MSPD9e
F11	SOQ3a, SOQ3b, SOQ3d, SOQ3e
F12	SOQ1a, SOQ1b, SOQ1d, SOQ1e
F13	MSPD3e, MSPD5e

Table SF82: Factor Structure and Items: 13 Factors excluding Cross-loadings (Oblimin Rotation).

The results of the factor analysis, in Tables SF64, SF67, SF70, SF73, SF76 and SF82 document a hierarchical reduction in the number of factors, starting with 18 factors as suggested by the EKC and progressing to 13 factors as indicated by the PA. This reduction highlights changes in the grouping of items and the redistribution of item clusters across factors. The first two factors, Factor 1 and Factor 2, remain stable through all stages. Factor 1 consistently includes the MSPD10 items, while Factor 2 includes MSPD1a to MSPD9a, reflecting stable underlying constructs that do not shift despite the reduction in the number of factors. In contrast, the MIQ and SOQ items, initially spread across factors such as Factor 3 and Factor 4, are redistributed. For example, MIQ1 alternates between Factor 3 and Factor 4, and other MIQ and SOQ items are reassigned to different factors as the structure is simplified. MSPD items are spread across several factors in the 18-factor solution, such as Factor 5 to Factor 17, but these groups begin to consolidate in the 13-factor model. For example, MSPD8c through MSPD8e consistently cluster together as Factor 5 in the later stages, while other MSPD items, such as MSPD1c through MSPD1e, merge with MSPD2c through MSPD2e in reduced solutions. SOQ items also show a similar pattern, forming stable clusters as factors are reduced. For example, SOQ3 items remain grouped across different levels, while SOQ1 and SOQ2 items consistently form separate factors.
The progression from 18 to 13 factors reflects a shift from a more granular representation of constructs, where finer distinctions between variables are maintained, to a more consolidated structure that facilitates interpretation. While the 18-factor model provides greater detail, the 13-factor solution offers a more compact representation of the data. This hierarchical approach highlights the trade-offs involved in balancing interpretive simplicity with the need to retain theoretical nuance and specificity.

Table SF83 presents the inter-correlations among the 13 factors, illustrating their relationships. We identify strong positive correlations between Factor 1 and Factor 8 (0.607). Moderate correlations, such as between Factor 2 and Factor 6 (0.554), suggest meaningful but less pronounced associations. Some factors, like Factor 5, show weak correlations, indicating relative independence. Negative relationships are also notable, particularly for Factor 7, which inversely correlates with Factor 4 (-0.312) and Factor 12 (-0.352).

	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13
F1	1.000	0.377	0.069	0.319	-0.023	0.509	-0.225	0.607	0.555	-0.095	0.370	0.205	0.326
F2		1.000	0.068	0.262	-0.009	0.554	-0.092	0.420	0.443	0.034	0.248	0.083	0.184
F3			1.000	0.069	0.017	0.060	-0.164	0.082	0.082	0.060	0.028	0.242	0.011
F4				1.000	-0.091	0.288	-0.312	0.346	0.225	0.195	0.398	0.285	0.115
F5					1.000	0.005	-0.014	-0.030	0.010	0.176	-0.051	0.022	-0.009
F6						1.000	-0.082	0.506	0.526	-0.063	0.265	0.124	0.220
F7							1.000	-0.170	-0.159	-0.012	-0.178	-0.352	-0.030
F8								1.000	0.486	-0.072	0.365	0.181	0.345
F9									1.000	-0.070	0.274	0.149	0.321
F10										1.000	0.132	-0.039	-0.040
F11											1.000	0.187	0.092
F12												1.000	0.052
F13													1.000

Table SF83: Correlation Matrix of Factors from EFA (13 Factors, Oblimin Rotation).

Table SF84 displays the Cronbach's Alpha values for each factor, along with the impact of removing individual items on the reliability of the factors. For Factor 1, the Cronbach's Alpha of 0.9434 indicates excellent internal consistency. Removal of any single item caused a slight decrease in Alpha (see in brackets), with MSPD10a having the most significant impact (0.9353). For Factor 2, the Alpha of 0.8942 is acceptable, with MSPD5a and MSPD2a reducing the reliability most when removed. Factor 3 has a lower Alpha of 0.8327, and removing SOQ1c caused the largest drop to 0.7662. Factor 4 shows good reliability (Alpha = 0.8814), with TCS1 causing the largest drop in Alpha when removed. Factor 5 (0.8793) sees a significant increase in Alpha (0.9049) when SOQ3a is removed. For Factor 6, Alpha (0.9045) dramatically increases to 0.9708 when MSPD8b is removed, indicating that this item is less aligned with the others. Factor 7 has high internal consistency (0.9159), with MSPD9b being the most important item for maintaining reliability. Factor 8 (0.9198) benefits from the removal of MSPD2d, increasing Alpha to 0.9293. Factor 9 (0.9285) sees the largest increase when MSPD4b is removed (0.9590). For Factor 10, Alpha is 0.8939, with the removal of MSPD9b increasing Alpha to 0.9587. Factor 11 (0.9227) shows the highest increase in Alpha when MSPD6b is removed. Factor 12 has an Alpha of 0.8850, with SOQ2d causing the most significant decrease in reliability. Factor 13, with only two items, has an Alpha of 0.8806, reflecting the correlation between the two items. The Composite Cronbach's Alpha for the entire scale is 0.9365.

Factor	**Cronbach's Alpha**	**Item Removed**
Factor 1	0.9434	-
Factor 1	0.9353	MSPD10a
Factor 1	0.9348	MSPD10b
Factor 1	0.9387	MSPD10c
Factor 1	0.9368	MSPD10d
Factor 1	0.9418	MSPD10e
Factor 1	0.9352	MSPD10f
Factor 1	0.9408	MSPD10g
Factor 1	0.9365	MSPD10h
Factor 1	0.9355	MSPD10i
Factor 1	0.9391	MSPD10j
Factor 2	0.8942	-
Factor 2	0.8813	MSPD1a
Factor 2	0.8774	MSPD2a
Factor 2	0.8784	MSPD3a
Factor 2	0.8804	MSPD4a
Factor 2	0.8772	MSPD5a
Factor 2	0.8816	MSPD6a
Factor 2	0.8883	MSPD7a
Factor 2	0.8867	MSPD8a
Factor 2	0.8916	MSPD9a
Factor 3	0.8327	-

Factor	Cronbach's Alpha	Item Removed
Factor 3	0.8418	MIQ4
Factor 3	0.8120	MIQ5
Factor 3	0.7662	SOQ1c
Factor 3	0.7849	SOQ2c
Factor 3	0.7746	SOQ3c
Factor 4	0.8814	-
Factor 4	0.8841	MIQ1
Factor 4	0.8579	TCS1
Factor 4	0.8395	TCS2
Factor 4	0.8472	TCS3
Factor 4	0.8562	TCS4
Factor 4	0.8732	TCS5
Factor 5	0.8793	-
Factor 5	0.8568	SOQ1b
Factor 5	0.8554	SOQ1d
Factor 5	0.8623	SOQ1e
Factor 5	0.9049	SOQ3a
Factor 5	0.8407	SOQ3b
Factor 5	0.8974	SOQ3c
Factor 5	0.8409	SOQ3d
Factor 5	0.8457	SOQ3e
Factor 6	0.9599	-
Factor 6	0.9567	MSPD1c
Factor 6	0.9577	MSPD1d
Factor 6	0.9570	MSPD1e
Factor 6	0.9545	MSPD2c
Factor 6	0.9535	MSPD2d
Factor 6	0.9537	MSPD2e
Factor 6	0.9555	MSPD3d
Factor 6	0.9556	MSPD3e
Factor 6	0.9560	MSPD5d
Factor 6	0.9560	MSPD5e
Factor 7	0.9045	-
Factor 7	0.9708	MSPD8b
Factor 7	0.8406	MSPD8c
Factor 7	0.8344	MSPD8d
Factor 7	0.8428	MSPD8e
Factor 8	0.9159	-
Factor 8	0.9110	MSPD1b
Factor 8	0.9009	MSPD2b
Factor 8	0.9025	MSPD3b
Factor 8	0.9015	MSPD4b
Factor 8	0.9054	MSPD5b
Factor 8	0.9028	MSPD6b
Factor 8	0.9120	MSPD7b
Factor 8	0.9121	MSPD8b
Factor 8	0.9081	MSPD9b
Factor 9	0.9587	-
Factor 9	0.9296	MSPD9c
Factor 9	0.9247	MSPD9d
Factor 9	0.9635	MSPD9e
Factor 10	0.8850	-
Factor 10	0.8745	SOQ2b
Factor 10	0.8202	SOQ2d
Factor 10	0.8114	SOQ2e
Factor 11	0.9227	-
Factor 11	0.9638	MSPD6b
Factor 11	0.8683	MSPD6c
Factor 11	0.8731	MSPD6d
Factor 11	0.8851	MSPD6e
Factor 12	0.9285	-

Factor	Cronbach's Alpha	Item Removed
Factor 12	0.9590	MSPD4b
Factor 12	0.8821	MSPD4c
Factor 12	0.8814	MSPD4d
Factor 12	0.9024	MSPD4e
Factor 13 (2 items)	0.7879	-
Composite	**0.9365**	-

Table SF84: Cronbach's Alpha for Each Factor and Impact of Item Removal (Excluding Supplementary Items, 13 Factors).

We conducted the factor analysis for a 12-factor solution to identify whether it alters the structure of our analysis, see Section 4.2. Below, we have in Table SF85 the eigenvalues and in Table SF87 the factor loadings for n=12.

Factors	Eigenvalues	VAR	CUM
1	6.5911	0.0653	0.0653
2	4.7757	0.0473	0.1125
3	4.7003	0.0465	0.1591
4	4.5184	0.0447	0.2038
5	4.4444	0.0440	0.2478
6	3.8902	0.0385	0.2863
7	3.2158	0.0318	0.3182
8	3.1359	0.0310	0.3492
9	2.8321	0.0280	0.3773
10	2.7468	0.0272	0.4045
11	2.7165	0.0269	0.4314
12	2.5976	0.0257	0.4571

Table SF85: Factors, Eigenvalues, Variance Explained, and Cumulative Variance (Excluding Supplementary Items) for 12 Factors (Oblimin Rotation).

Factor	Items
F1	MSPD10a, MSPD10b, MSPD10c, MSPD10d, MSPD10e, MSPD10f, MSPD10g, MSPD10h, MSPD10i, MSPD10j
F2	MSPD1a, MSPD2a, MSPD3a, MSPD4a, MSPD5a, MSPD6a, MSPD7a, MSPD8a, MSPD9a
F3	MIQ4, MIQ5, SOQ1c, SOQ2c
F4	MIQ1, TCS1, TCS2, TCS3, TCS4, TCS5
F5	SOQ1b, SOQ1d, SOQ1e, SOQ3a, SOQ3b, SOQ3d, SOQ3e
F6	MSPD1c, MSPD1d, MSPD1e, MSPD2c, MSPD2d, MSPD2e, MSPD3d, MSPD3e, MSPD5d, MSPD5e, MSPD7e
F7	MSPD8c, MSPD8d, MSPD8e
F8	MSPD1b, MSPD2b, MSPD3b, MSPD4b, MSPD5b, MSPD7b
F9	MSPD9c, MSPD9d, MSPD9e
F10	SOQ2b, SOQ2d, SOQ2e
F11	MSPD6c, MSPD6d, MSPD6e
F12	MSPD4c, MSPD4d, MSPD4e

Table SF86: Factor Structure and Items (Excluding Supplementary Items): 12 Factors (Oblimin Rotation).

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
MIQ1	-0.055	-0.075	0.007	0.587	-0.043	-0.042	0.003	-0.007	0.089	0.169	0.009	-0.012
MIQ3	0.134	-0.087	-0.449	0.095	-0.082	0.031	-0.014	0.048	-0.069	0.082	-0.023	-0.079
MIQ4	-0.108	0.075	0.433	0.048	0.070	-0.028	0.042	0.023	0.066	0.023	0.046	0.055
MIQ5	-0.101	0.148	0.582	-0.038	0.073	0.004	0.024	-0.099	0.048	0.138	0.036	0.006
MIQ6	0.069	-0.005	0.032	-0.408	-0.077	0.021	-0.006	0.059	-0.035	0.261	-0.017	-0.025
MIQ7	0.063	-0.069	0.038	-0.432	-0.100	0.008	0.006	0.088	-0.006	0.308	0.005	0.010
MIQ9	0.042	0.018	-0.008	-0.532	0.045	-0.065	0.050	-0.022	0.066	0.244	-0.001	0.116
MIQ10	0.091	0.023	0.041	-0.471	0.093	-0.079	0.028	-0.052	0.084	0.242	-0.000	0.116
TCS1	-0.004	0.054	0.005	0.714	-0.081	-0.025	0.030	-0.063	-0.017	-0.075	-0.044	0.033
TCS2	0.000	0.000	0.027	0.827	-0.052	-0.000	-0.008	-0.013	-0.049	-0.035	-0.020	-0.028
TCS3	-0.038	0.019	-0.029	0.808	-0.034	0.029	-0.010	0.015	-0.043	-0.085	-0.009	-0.030
TCS4	-0.039	-0.019	0.001	0.793	0.014	-0.028	0.020	0.030	0.035	0.120	-0.005	0.012
TCS5	0.026	-0.068	0.015	0.711	0.042	-0.043	-0.009	-0.002	0.155	0.066	0.006	0.068
OSRI1	0.069	0.180	0.119	-0.007	-0.070	0.027	0.039	-0.052	0.023	0.166	-0.012	-0.052
OSRI2	0.138	-0.002	-0.143	0.133	-0.057	-0.029	-0.041	0.013	0.027	0.243	0.049	0.055
OSRI3	0.039	-0.003	-0.040	-0.156	0.105	0.043	0.048	0.101	0.092	0.064	-0.054	0.097
OSRI4	0.104	0.020	-0.062	0.005	-0.010	0.039	0.039	0.050	-0.008	0.076	0.011	-0.029
OSRI5	-0.084	0.119	0.155	0.050	0.033	-0.088	0.006	-0.148	-0.026	-0.080	0.044	-0.082
OSRI6	0.038	0.162	0.208	0.011	-0.038	-0.042	0.087	0.014	0.007	0.185	0.012	-0.040
OSRI7	0.174	-0.071	-0.211	0.133	-0.110	0.001	-0.006	0.015	-0.056	0.146	-0.021	0.057
OSRI8	0.073	0.100	0.215	0.016	-0.061	-0.063	0.088	-0.035	-0.027	0.030	-0.046	-0.108
OSRI9	0.143	0.029	-0.082	-0.099	-0.015	0.063	0.039	0.058	0.024	0.152	-0.056	-0.008
OSRI10	-0.001	0.187	0.046	-0.089	0.048	0.021	0.011	0.019	0.005	0.071	-0.047	-0.045
OSRI11	0.126	0.088	-0.118	-0.003	0.035	0.029	0.054	0.037	-0.035	0.231	-0.052	0.023
OSRI12	0.105	-0.052	-0.203	0.065	-0.091	0.050	0.074	0.060	-0.130	0.181	0.079	0.002
OSRI13	0.023	0.173	0.287	0.060	-0.052	0.033	-0.004	-0.086	-0.018	0.186	0.099	-0.048
OSRI14	0.126	0.043	-0.141	0.191	-0.108	0.013	0.024	0.015	-0.074	0.154	0.057	-0.042
OSRI15	0.069	0.235	0.234	0.012	-0.047	0.045	-0.015	-0.053	-0.012	0.158	0.024	-0.055

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
OSRI16	0.159	0.002	-0.239	0.189	-0.115	0.037	0.042	0.008	-0.123	0.189	0.003	0.025
OSRI17	0.015	0.163	0.179	0.041	-0.010	-0.001	0.004	-0.007	-0.001	0.051	-0.013	-0.034
OSRI18	0.126	-0.024	-0.134	0.041	-0.058	0.021	0.021	0.064	-0.068	0.289	0.039	0.068
SOQ1a	-0.029	0.027	-0.816	0.057	0.268	0.016	0.032	-0.036	-0.011	0.021	0.044	-0.008
SOQ1b	-0.013	0.057	-0.115	-0.016	0.667	0.023	-0.001	-0.049	-0.028	0.181	0.079	-0.043
SOQ1c	-0.034	0.049	0.674	0.109	0.388	0.035	0.006	-0.037	-0.054	0.026	0.045	-0.037
SOQ1d	0.020	0.022	-0.011	-0.034	0.681	0.008	-0.045	-0.079	-0.022	0.180	0.089	-0.029
SOQ1e	0.013	-0.032	0.000	-0.061	0.539	0.025	-0.038	-0.028	0.023	0.305	0.048	0.021
SOQ2a	0.028	-0.003	-0.815	0.063	-0.007	-0.004	0.025	-0.012	0.009	0.215	0.009	0.007
SOQ2b	0.037	0.020	-0.112	-0.046	0.107	0.004	0.046	0.032	0.001	0.706	0.045	0.003
SOQ2c	0.013	0.074	0.739	0.048	0.085	0.039	0.028	0.010	0.011	0.263	-0.030	-0.010
SOQ2d	0.030	-0.016	0.099	-0.103	0.116	0.013	-0.015	0.042	0.011	0.701	0.045	0.054
SOQ2e	0.045	-0.074	0.064	-0.125	0.058	0.033	-0.005	0.092	0.060	0.717	-0.002	0.048
SOQ3a	-0.019	0.004	-0.779	0.009	0.447	0.035	0.029	0.012	0.013	-0.092	-0.012	0.020
SOQ3b	0.019	0.008	-0.090	-0.042	0.910	-0.002	0.038	0.042	0.002	-0.024	-0.012	0.017
SOQ3c	-0.002	0.024	0.644	0.095	0.603	0.007	0.030	0.007	-0.020	-0.103	-0.029	-0.005
SOQ3d	0.030	-0.003	-0.013	-0.066	0.906	-0.006	0.013	0.019	-0.000	-0.012	-0.004	0.009
SOQ3e	0.043	-0.052	0.009	-0.085	0.786	-0.001	-0.015	0.047	0.066	0.116	-0.049	0.041
MSPD1a	0.031	0.712	0.041	-0.037	-0.011	0.055	-0.016	-0.022	-0.011	0.006	-0.071	0.014
MSPD1b	0.018	0.022	-0.026	-0.094	0.012	0.192	0.016	0.559	-0.007	0.122	-0.025	-0.030
MSPD1c	0.011	-0.049	0.003	-0.044	0.007	0.504	0.107	0.168	0.206	0.034	-0.063	0.106
MSPD1d	0.002	0.002	-0.006	-0.028	-0.009	0.628	0.123	0.111	0.129	-0.042	0.002	-0.022
MSPD1e	0.044	0.042	-0.004	-0.022	-0.008	0.670	0.087	0.085	0.078	0.060	0.033	-0.029
MSPD2a	-0.010	0.777	-0.013	-0.033	0.011	0.083	0.018	-0.059	0.008	-0.007	-0.016	-0.099
MSPD2b	0.035	-0.064	-0.003	-0.057	0.013	0.186	0.029	0.665	0.023	0.059	0.026	0.062
MSPD2c	0.019	-0.098	-0.011	-0.060	0.026	0.470	-0.001	0.125	0.110	0.028	0.088	0.274
MSPD2d	0.032	-0.057	-0.018	-0.061	0.019	0.574	0.005	0.091	0.076	-0.035	0.103	0.210
MSPD2e	0.057	-0.033	-0.015	-0.027	0.014	0.625	0.002	0.052	0.056	0.046	0.142	0.133
MSPD3a	-0.006	0.788	0.006	0.027	-0.031	0.063	-0.006	-0.005	-0.072	0.015	-0.039	-0.045

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
MSPD3b	0.048	-0.035	0.026	0.044	0.016	0.189	-0.015	0.630	0.074	0.017	0.050	0.119
MSPD3c	-0.003	-0.084	0.026	-0.007	-0.004	0.366	0.078	0.096	0.076	0.051	0.151	0.337
MSPD3d	0.039	-0.038	0.025	-0.005	-0.020	0.458	0.088	0.000	0.026	0.013	0.208	0.253
MSPD3e	0.060	-0.013	-0.005	0.020	-0.020	0.508	0.063	-0.025	0.044	0.075	0.214	0.190
MSPD4a	-0.020	0.769	-0.002	0.031	-0.001	-0.015	0.010	-0.002	-0.068	0.012	-0.073	0.143
MSPD4b	0.083	0.057	-0.033	-0.024	0.003	-0.074	0.026	0.518	0.027	0.092	0.023	0.413
MSPD4c	0.041	-0.003	-0.008	-0.021	0.013	0.024	0.062	0.050	0.056	0.010	0.072	0.807
MSPD4d	0.044	0.017	-0.005	-0.036	-0.003	0.061	0.059	0.006	0.057	-0.004	0.083	0.798
MSPD4e	0.070	0.016	-0.012	-0.007	-0.013	0.225	0.045	-0.021	-0.019	0.079	0.127	0.611
MSPD5a	-0.041	0.761	0.026	-0.032	-0.010	-0.011	-0.027	0.067	0.081	-0.047	-0.042	0.133
MSPD5b	0.120	0.140	0.009	-0.012	0.043	0.151	0.020	0.579	-0.053	0.029	0.041	0.023
MSPD5c	0.033	0.020	0.040	-0.023	0.032	0.377	0.077	0.045	0.207	-0.037	0.111	0.269
MSPD5d	0.067	0.033	0.045	-0.015	0.029	0.430	0.092	0.003	0.155	-0.080	0.175	0.201
MSPD5e	0.072	0.068	0.023	0.031	0.023	0.479	0.068	-0.028	0.103	0.016	0.199	0.189
MSPD6a	0.010	0.732	0.001	-0.015	0.011	-0.117	0.021	-0.003	-0.122	-0.027	0.171	-0.077
MSPD6b	0.053	0.053	0.000	-0.031	-0.000	-0.138	0.004	0.600	-0.002	-0.014	0.453	0.005
MSPD6c	0.010	-0.060	-0.005	-0.030	-0.003	-0.025	0.031	0.071	0.088	0.013	0.781	0.134
MSPD6d	0.030	-0.028	0.007	-0.022	-0.007	0.034	0.037	0.005	0.063	-0.020	0.839	0.071
MSPD6e	0.059	0.001	-0.009	-0.007	0.009	0.142	0.034	-0.008	0.023	0.045	0.795	-0.014
MSPD7a	0.104	0.555	0.013	-0.017	0.030	-0.073	-0.034	0.055	0.119	0.034	-0.002	0.078
MSPD7b	0.022	0.077	0.010	-0.053	-0.011	0.061	0.146	0.531	-0.063	0.029	0.059	-0.033
MSPD7c	0.006	-0.035	0.003	-0.068	0.006	0.232	0.165	0.101	0.294	0.041	0.173	0.091
MSPD7d	-0.005	0.020	-0.013	-0.027	-0.014	0.308	0.184	0.060	0.220	-0.013	0.262	0.035
MSPD7e	0.021	0.028	-0.019	-0.027	-0.000	0.394	0.191	0.040	0.154	0.038	0.235	-0.024
MSPD8a	0.119	0.541	0.008	-0.028	-0.013	-0.050	0.074	0.123	0.055	-0.025	0.025	-0.054
MSPD8b	0.105	0.126	-0.005	0.002	-0.030	-0.093	0.447	0.451	-0.052	0.027	0.005	-0.001
MSPD8c	0.003	-0.038	0.009	-0.013	0.008	-0.041	0.957	0.007	0.039	-0.010	-0.027	0.013
MSPD8d	-0.003	-0.000	-0.001	0.014	-0.003	-0.011	0.977	-0.024	0.018	-0.026	0.015	0.000
MSPD8e	-0.000	0.010	-0.020	0.011	-0.012	0.058	0.914	-0.025	0.001	0.026	0.011	0.001

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
MSPD9a	0.110	0.552	-0.061	0.062	0.002	-0.082	-0.111	0.084	0.291	-0.027	-0.005	-0.083
MSPD9b	0.116	0.054	0.005	0.014	0.040	-0.076	-0.001	0.506	0.389	0.026	0.004	0.008
MSPD9c	-0.003	-0.035	0.008	-0.011	0.002	-0.006	0.078	0.023	0.878	0.008	0.026	0.055
MSPD9d	0.025	0.004	-0.001	0.010	-0.005	0.046	0.076	-0.028	0.853	-0.025	0.067	0.012
MSPD9e	0.058	0.006	-0.015	0.037	-0.007	0.162	0.064	-0.043	0.720	0.058	0.076	-0.006
MSPD10a	0.835	0.023	0.010	-0.026	-0.005	0.011	-0.006	0.015	0.057	-0.030	0.013	-0.008
MSPD10b	0.872	0.010	-0.042	0.039	-0.017	-0.005	-0.015	0.016	0.080	-0.046	-0.014	-0.010
MSPD10c	0.781	-0.008	-0.054	0.040	0.021	0.014	-0.007	-0.013	-0.007	-0.019	0.018	-0.055
MSPD10d	0.781	-0.030	-0.058	0.069	-0.004	-0.037	-0.030	0.032	-0.050	0.036	-0.005	0.076
MSPD10e	0.667	0.001	-0.003	0.021	0.015	-0.038	0.001	0.003	-0.021	0.050	0.029	0.024
MSPD10f	0.861	0.051	0.042	-0.050	-0.002	0.043	0.019	-0.070	-0.040	-0.005	-0.012	-0.011
MSPD10g	0.729	-0.017	-0.021	0.036	0.031	-0.000	-0.067	0.020	-0.098	-0.016	0.046	-0.015
MSPD10h	0.772	-0.011	0.025	-0.090	0.025	-0.028	0.051	0.009	0.027	0.002	-0.010	0.044
MSPD10i	0.801	-0.025	0.014	-0.035	0.012	-0.001	0.018	0.018	0.047	0.027	0.000	0.024
MSPD10j	0.746	0.021	0.112	-0.080	0.014	0.022	0.066	-0.015	-0.032	0.022	-0.004	-0.023

Table SF87: EFA for Total Sample (Excluding Supplementary Items): 12 Factors Using Oblimin Rotation.

5.3. Exploratory Factor Analysis - Excluding Supplementary Items - Cisgender

Factors	Eigenvalues	VAR	CUM
1	6.6375	0.0657	0.0657
2	6.5466	0.0648	0.1305
3	5.0378	0.0499	0.1804
4	4.7586	0.0471	0.2275
5	3.3529	0.0332	0.2607
6	3.2690	0.0324	0.2931
7	3.1151	0.0308	0.3239
8	3.0366	0.0301	0.3540
9	3.0325	0.0300	0.3840
10	3.0087	0.0298	0.4138
11	2.9983	0.0297	0.4435
12	2.7112	0.0268	0.4703
13	1.5977	0.0158	0.4862

Table SF88: Factors, Eigenvalues, Variance Explained, and Cumulative Variance for Prolific Cisgender Sample: Excluding Supplementary Items, 13 Factors (Oblimin Rotation).

Factor	Items
F1	MIQ4, MIQ5, SOQ1c, SOQ2c, SOQ3c
F2	MSPD10a, MSPD10b, MSPD10c, MSPD10d, MSPD10e, MSPD10f, MSPD10g, MSPD10h, MSPD10i, MSPD10j
F3	MIQ1, TCS1, TCS2, TCS3, TCS4, TCS5
F4	MSPD1a, MSPD2a, MSPD3a, MSPD4a, MSPD5a, MSPD6a, MSPD7a, MSPD8a, MSPD9a
F5	MSPD1b, MSPD2b, MSPD3b, MSPD4b, MSPD5b, MSPD6b, MSPD7b, MSPD8b
F6	MSPD1c, MSPD1d, MSPD1e
F7	MSPD6c, MSPD6d, MSPD6e
F8	SOQ3b, SOQ3d, SOQ3e
F9	SOQ1b, SOQ1d, SOQ1e
F10	MSPD4c, MSPD4d, MSPD4e
F11	MSPD8c, MSPD8d, MSPD8e
F12	MSPD9c, MSPD9d, MSPD9e
F13	MSPD2e, MSPD3e

Table SF89: Prolific Cisgender Sample: Factor Structure and Items (18 Factors and Oblimin Rotation).

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13
MIQ1	-0.022	-0.073	0.588	-0.008	0.032	0.018	-0.011	-0.076	-0.014	-0.083	0.003	0.038	-0.005
MIQ3	-0.617	0.106	0.076	-0.088	0.054	-0.032	-0.011	-0.076	0.004	-0.093	0.033	-0.081	0.082
MIQ4	0.596	-0.057	0.063	0.045	0.032	0.037	0.039	-0.004	0.066	0.036	0.007	0.030	-0.054
MIQ5	0.744	-0.123	-0.057	0.130	-0.071	0.003	0.012	-0.042	0.072	-0.015	0.024	0.018	0.010
MIQ6	0.017	0.042	-0.558	-0.012	0.085	-0.031	0.017	0.005	0.022	-0.088	-0.027	-0.016	0.058
MIQ7	0.004	0.056	-0.611	-0.048	0.081	-0.007	-0.015	-0.036	0.039	-0.063	-0.016	0.009	0.023
MIQ9	-0.103	-0.020	-0.582	0.025	0.086	-0.053	-0.007	-0.018	0.044	0.003	0.092	0.018	0.031
MIQ10	-0.036	-0.014	-0.632	0.073	0.039	0.000	0.048	-0.003	0.049	-0.081	0.105	-0.044	-0.028
TCS1	0.029	-0.023	0.631	0.015	-0.060	-0.035	-0.030	-0.096	0.025	0.041	0.091	-0.020	0.005
TCS2	0.095	0.017	0.762	-0.062	0.028	-0.019	0.014	-0.050	0.030	-0.069	0.004	-0.060	0.041
TCS3	-0.034	-0.020	0.758	0.003	0.061	-0.018	0.051	-0.008	-0.045	-0.062	0.015	-0.027	0.041
TCS4	-0.049	-0.009	0.825	0.027	0.032	-0.008	-0.028	0.020	0.001	-0.021	0.012	-0.007	0.025
TCS5	-0.020	-0.013	0.743	-0.002	0.022	0.063	-0.024	0.005	-0.008	0.019	-0.013	0.119	-0.082
OSRI1	0.230	0.067	-0.107	0.085	0.043	0.059	-0.017	-0.135	0.103	-0.056	-0.087	0.093	0.001
OSRI2	-0.130	0.125	0.044	-0.060	0.011	-0.134	0.001	-0.007	0.053	0.046	-0.022	0.062	0.100
OSRI3	-0.039	0.060	-0.141	0.032	0.002	0.058	-0.060	0.107	0.009	0.152	0.032	0.118	-0.076
OSRI4	-0.054	0.150	-0.033	0.013	0.003	-0.017	0.050	-0.009	0.023	-0.043	0.026	0.016	0.071
OSRI5	0.201	-0.095	0.053	0.104	-0.098	-0.080	0.105	-0.045	0.046	-0.078	-0.005	-0.067	0.014
OSRI6	0.301	0.073	-0.118	0.057	0.068	-0.082	0.012	-0.091	0.097	-0.038	0.055	0.049	-0.009
OSRI7	-0.223	0.174	0.024	-0.140	0.051	-0.046	-0.064	-0.107	0.069	0.102	0.042	-0.050	0.049
OSRI8	0.327	0.090	-0.059	-0.066	0.027	-0.022	-0.049	-0.045	-0.063	-0.128	0.081	-0.009	-0.046
OSRI9	-0.108	0.143	-0.105	0.024	0.083	0.069	-0.168	0.022	0.017	0.062	0.016	0.031	0.004
OSRI10	0.132	0.019	-0.195	0.087	0.037	0.013	-0.052	-0.003	0.097	-0.047	-0.003	0.042	0.003
OSRI11	-0.092	0.144	-0.114	0.057	0.039	-0.049	-0.105	-0.003	0.067	0.032	0.025	0.030	0.082
OSRI12	-0.209	0.165	-0.021	-0.092	0.027	-0.047	0.071	-0.046	-0.027	0.002	0.092	-0.111	0.124
OSRI13	0.363	-0.001	-0.087	0.081	-0.011	-0.015	0.087	-0.089	0.064	-0.073	0.015	-0.016	0.078
OSRI14	-0.117	0.106	0.097	0.016	0.061	-0.078	0.060	-0.022	-0.064	-0.123	0.099	-0.082	0.121
OSRI15	0.319	0.049	-0.135	0.178	-0.032	-0.018	0.086	-0.047	0.028	-0.091	-0.036	0.044	0.046
OSRI16	-0.252	0.162	0.079	-0.094	0.058	-0.113	0.022	0.024	-0.049	0.006	0.075	-0.094	0.145
OSRI17	0.278	0.017	-0.106	0.075	0.011	0.018	-0.014	-0.029	0.007	-0.055	0.035	-0.025	0.039

OSRI18	-0.140	0.099	-0.000	-0.015	0.071	-0.105	-0.032	-0.067	0.075	0.056	0.039	-0.017	0.118
SOQ1a	-0.873	-0.000	0.050	-0.000	-0.026	0.015	0.034	0.013	0.328	0.005	0.044	-0.016	-0.043
SOQ1b	-0.030	-0.013	0.003	0.027	-0.012	-0.000	-0.022	0.046	0.943	0.014	-0.010	0.006	0.005
SOQ1c	0.798	-0.001	0.138	0.025	-0.024	0.043	0.038	-0.031	0.359	-0.020	0.044	-0.086	-0.011
SOQ1d	0.012	0.000	-0.035	0.000	-0.019	0.002	0.012	0.070	0.907	-0.007	-0.011	-0.006	-0.021
SOQ1e	0.001	0.001	-0.042	-0.011	0.022	-0.036	-0.000	0.092	0.870	-0.005	0.001	0.017	0.035
SOQ2a	-0.892	0.053	0.036	-0.039	0.024	-0.008	0.029	-0.003	0.008	-0.007	-0.021	0.009	0.000
SOQ2b	0.007	0.095	-0.187	-0.093	0.144	0.015	0.059	0.102	0.266	-0.071	-0.088	0.039	-0.010
SOQ2c	0.883	0.029	0.011	0.019	0.060	0.009	-0.038	0.062	0.038	-0.006	0.014	0.039	-0.025
SOQ2d	0.148	0.003	-0.237	-0.094	0.212	0.006	0.050	0.052	0.248	0.011	-0.046	0.023	-0.020
SOQ2e	0.116	0.084	-0.286	-0.149	0.203	0.021	-0.000	0.073	0.224	-0.005	-0.047	0.074	0.002
SOQ3a	-0.864	-0.007	0.036	-0.002	-0.016	0.063	0.007	0.330	0.053	0.010	0.040	-0.000	-0.040
SOQ3b	-0.030	-0.011	-0.016	0.027	0.007	-0.006	-0.007	0.951	0.053	0.002	0.013	-0.011	0.006
SOQ3c	0.798	0.029	0.150	-0.009	-0.031	-0.006	0.010	0.409	0.002	-0.008	0.021	-0.036	-0.000
SOQ3d	0.011	0.004	-0.038	-0.002	-0.011	0.008	0.006	0.932	0.053	-0.007	-0.005	-0.005	-0.015
SOQ3e	-0.008	-0.007	-0.013	-0.009	0.019	-0.024	-0.010	0.904	0.085	-0.009	-0.005	0.027	0.022
MSPD1a	0.049	0.027	-0.100	0.755	-0.085	0.151	-0.024	-0.011	0.014	-0.013	-0.019	-0.033	-0.039
MSPD1b	-0.022	0.011	-0.131	0.043	0.542	0.272	-0.026	0.019	0.000	0.021	-0.049	-0.032	-0.065
MSPD1c	-0.010	0.004	0.013	-0.019	0.064	0.905	-0.011	-0.006	-0.007	0.037	0.044	0.047	-0.073
MSPD1d	0.004	0.014	0.017	0.009	-0.003	0.899	0.026	0.005	-0.018	-0.005	0.053	0.027	-0.009
MSPD1e	0.004	0.051	-0.010	0.081	-0.007	0.757	0.030	-0.041	-0.003	-0.024	0.035	0.005	0.183
MSPD2a	-0.008	0.014	-0.011	0.801	-0.057	0.051	-0.036	-0.000	0.038	-0.101	0.071	-0.025	0.047
MSPD2b	-0.021	0.018	-0.066	-0.057	0.689	0.143	0.074	0.006	-0.016	0.001	0.044	0.004	0.049
MSPD2c	-0.016	0.035	-0.016	-0.116	0.111	0.339	0.176	0.051	0.008	0.224	-0.047	0.089	0.293
MSPD2d	-0.019	0.036	0.004	-0.086	0.098	0.363	0.137	0.036	0.027	0.234	-0.050	0.092	0.326
MSPD2e	-0.016	0.057	0.002	-0.028	0.049	0.283	0.168	0.027	0.037	0.151	-0.016	0.076	0.469
MSPD3a	0.002	-0.014	0.015	0.804	0.011	0.009	-0.024	-0.030	0.000	0.017	-0.052	-0.050	0.033
MSPD3b	0.021	0.040	0.039	-0.025	0.661	0.108	0.063	0.020	-0.010	0.076	0.000	0.084	0.138
MSPD3c	0.018	-0.028	0.007	-0.090	0.157	0.171	0.157	0.014	0.023	0.293	0.115	0.063	0.332
MSPD3d	0.022	-0.005	0.010	-0.048	0.071	0.149	0.189	0.013	0.005	0.289	0.149	0.043	0.367
MSPD3e	-0.001	-0.008	0.011	-0.020	0.050	0.073	0.167	0.004	0.008	0.242	0.140	0.067	0.512

MSPD4a	0.017	-0.005	0.004	0.740	0.009	-0.043	-0.046	0.049	-0.004	0.164	-0.004	-0.053	-0.024
MSPD4b	-0.047	0.132	-0.015	0.090	0.500	0.015	-0.016	-0.025	0.047	0.462	0.009	0.003	-0.164
MSPD4c	0.003	0.039	-0.015	-0.009	0.045	0.028	0.093	0.012	-0.004	0.808	0.064	0.041	-0.007
MSPD4d	-0.003	0.032	-0.017	0.011	0.003	0.032	0.090	-0.010	-0.012	0.844	0.052	0.058	-0.010
MSPD4e	-0.002	0.038	-0.025	0.030	-0.011	0.016	0.058	-0.016	0.016	0.740	0.056	0.011	0.187
MSPD5a	0.057	-0.029	-0.012	0.754	0.115	0.019	-0.051	0.012	-0.010	0.111	-0.004	0.084	-0.004
MSPD5b	-0.010	0.098	-0.008	0.130	0.610	0.019	-0.021	0.044	-0.018	0.098	0.044	-0.055	0.098
MSPD5c	0.061	-0.016	-0.054	-0.001	0.055	0.291	0.093	0.033	-0.009	0.287	0.077	0.222	0.167
MSPD5d	0.066	0.014	-0.028	0.024	0.011	0.276	0.157	0.039	-0.024	0.252	0.088	0.196	0.201
MSPD5e	0.047	-0.002	-0.026	0.061	0.011	0.132	0.129	-0.015	0.020	0.290	0.112	0.157	0.375
MSPD6a	0.037	0.063	-0.009	0.710	-0.016	-0.118	0.185	0.018	-0.033	-0.029	0.009	-0.109	-0.075
MSPD6b	-0.023	0.074	0.005	0.092	0.541	-0.034	0.472	0.007	0.009	0.010	-0.011	-0.007	-0.109
MSPD6c	-0.016	0.012	-0.011	-0.042	0.044	0.050	0.850	-0.010	0.002	0.094	0.005	0.058	-0.055
MSPD6d	0.006	0.043	-0.006	-0.020	-0.023	0.026	0.883	-0.012	0.005	0.079	0.027	0.042	-0.021
MSPD6e	-0.017	0.008	-0.027	0.039	-0.002	-0.027	0.815	0.012	-0.009	-0.009	0.039	0.037	0.180
MSPD7a	0.024	0.109	0.046	0.629	0.088	-0.014	0.019	-0.019	0.072	-0.020	-0.001	0.077	-0.053
MSPD7b	0.005	0.019	0.008	0.080	0.566	0.006	0.022	0.006	-0.058	0.036	0.209	-0.114	0.025
MSPD7c	-0.021	-0.006	0.025	-0.015	0.089	0.298	0.301	0.031	-0.038	0.042	0.207	0.201	-0.046
MSPD7d	-0.033	0.014	0.050	0.033	0.027	0.285	0.344	0.010	-0.032	0.056	0.209	0.154	0.008
MSPD7e	-0.059	-0.022	-0.009	0.043	0.055	0.157	0.279	0.008	-0.001	-0.001	0.273	0.125	0.226
MSPD8a	0.064	0.172	0.004	0.539	0.136	-0.037	0.067	0.028	-0.036	-0.118	0.080	0.037	0.040
MSPD8b	0.023	0.112	-0.025	0.092	0.535	-0.068	0.078	-0.020	0.037	-0.025	0.288	-0.016	0.008
MSPD8c	0.025	0.030	-0.023	-0.041	0.013	0.053	0.002	0.029	-0.026	0.008	0.899	0.064	-0.072
MSPD8d	0.002	0.017	0.016	0.007	-0.013	0.032	0.028	0.011	-0.022	0.034	0.906	0.056	-0.042
MSPD8e	-0.033	-0.013	0.006	0.021	0.032	-0.019	-0.016	-0.038	0.030	0.026	0.879	0.050	0.109
MSPD9a	-0.029	0.155	0.067	0.493	0.107	-0.127	-0.043	0.048	-0.031	-0.080	-0.120	0.387	0.077
MSPD9b	0.031	0.135	-0.009	-0.011	0.515	-0.079	0.005	0.018	0.037	0.031	-0.026	0.393	-0.021
MSPD9c	0.017	-0.002	-0.001	-0.051	0.001	0.061	0.047	0.008	-0.008	0.041	0.126	0.838	-0.047
MSPD9d	0.003	0.005	0.016	-0.006	-0.035	0.056	0.077	0.011	-0.002	0.039	0.115	0.828	-0.017
MSPD9e	-0.004	0.026	0.015	-0.003	-0.029	0.039	0.063	-0.023	0.039	0.024	0.101	0.740	0.131
MSPD10a	-0.016	0.788	0.018	0.095	0.036	0.021	-0.013	0.007	-0.019	-0.006	-0.004	0.081	0.016

MSPD10b	-0.081	0.803	0.034	0.058	0.047	0.025	-0.036	-0.005	-0.001	0.005	-0.036	0.139	-0.011
MSPD10c	-0.069	0.827	0.053	0.001	-0.035	0.022	0.044	-0.034	0.045	-0.027	-0.031	0.043	-0.019
MSPD10d	-0.069	0.810	0.015	-0.092	0.023	-0.004	0.028	0.014	-0.029	0.108	-0.042	-0.049	-0.065
MSPD10e	-0.026	0.664	-0.050	0.004	-0.005	0.070	0.038	-0.003	0.054	0.060	-0.012	0.002	-0.128
MSPD10f	0.053	0.844	-0.060	0.073	-0.066	0.025	-0.019	-0.003	-0.015	-0.011	0.038	-0.055	0.055
MSPD10g	-0.007	0.796	-0.036	-0.067	-0.028	-0.003	0.049	-0.019	0.038	0.027	-0.046	-0.082	-0.015
MSPD10h	0.035	0.776	-0.044	0.024	0.035	-0.075	-0.027	0.030	-0.022	0.016	0.098	0.013	0.071
MSPD10i	0.024	0.793	-0.000	-0.007	0.050	-0.005	0.017	-0.028	-0.014	-0.019	0.046	-0.001	0.025
MSPD10j	0.125	0.697	-0.097	0.054	0.014	0.019	0.009	0.039	-0.050	-0.046	0.090	-0.063	0.018

Table SF90: EFA for Prolific Cisgender Sample (Excluding Supplementary Items): 13 Factors Using Oblimin Rotation.

Upon comparing the structures of the Tables SF90 and SF82, several similarities and differences emerge regarding how the items are grouped within each factor. When considering only cisgender individuals in the analysis, we can see in Table SF90 that also the MSPD1b-8b items exceed the threshold of 0.40, but the items SOQ1a and SOQ3a not. In the remaining factors, we can see the same structure in both tables.

5.4. Exploratory Factor Analysis - Excluding Supplementary Items - Non-cisgender

Factors	Eigenvalues	VAR	CUM
1	6.0582	0.0600	0.0600
2	4.7119	0.0467	0.1066
3	4.5706	0.0453	0.1519
4	3.8509	0.0381	0.1900
5	3.3627	0.0333	0.2233
6	3.3095	0.0328	0.2561
7	2.9217	0.0289	0.2850
8	2.8847	0.0286	0.3136
9	2.7241	0.0270	0.3405
10	2.6020	0.0258	0.3663
11	2.4830	0.0246	0.3909
12	2.4752	0.0245	0.4154
13	2.3093	0.0229	0.4383

Table SF91: Factors, Eigenvalues, Variance Explained, and Cumulative Variance for Prolific Non-cisgender Sample: Excluding Supplementary Items, 13 Factors (Oblimin Rotation).

Factor	Items
F1	MSPD10a, MSPD10b, MSPD10c, MSPD10d, MSPD10e, MSPD10f, MSPD10g, MSPD10h, MSPD10i, MSPD10j
F2	MSPD1a, MSPD2a, MSPD3a, MSPD4a, MSPD5a, MSPD6a, MSPD7a, MSPD8a, MSPD9a
F3	SOQ1b, SOQ1c, SOQ1d, SOQ1e, SOQ3b, SOQ3b, SOQ3c, SOQ3d, SOQ3e
F4	MIQ1, TCS1, TCS2, TCS3, TCS4, TCS5
F5	MSPD1b, MSPD2b, MSPD3b, MSP4b, MSPD5b, MSP6b, MSPD7b
F6	MSPD8c, MSPD8d, MSPD8e
F7	SOQ1a, SOQ2a, SOQ3a
F8	MSPD9c, MSPD9d, MSPD9e
F9	SOQ2b, SOQ2c, SOQ2d, SOQ2e
F10	MSPD6c, MSPD6d, MSPD6e
F11	MSPD2c, MSPD3c, MSPD4c, MSPD4d, MSPD4e
F12	MSPD1c, MSPD1d, MSPD1e, MSPD2d, MSPD2e, MSPD7d
F13	MSPD5c, MSPD5d, MSPD5e

Table SF92: Prolific Non-cisgender Sample: Factor Structure and Items (13 Factors and Oblimin Rotation).

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13
MIQ1	-0.070	-0.084	-0.014	0.503	-0.030	0.014	0.010	0.106	0.191	0.066	0.061	-0.117	0.008
MIQ3	0.114	-0.040	-0.097	0.092	0.092	-0.016	0.122	-0.070	0.079	-0.069	-0.083	-0.036	0.086
MIQ4	-0.114	0.072	0.104	0.050	-0.004	0.040	-0.109	0.132	-0.047	0.071	0.063	0.027	-0.096
MIQ5	-0.060	0.123	0.143	0.003	-0.123	-0.007	-0.199	0.130	0.167	0.045	0.020	-0.020	-0.029
MIQ6	0.079	-0.006	-0.116	-0.309	0.076	0.001	-0.068	-0.062	0.214	-0.071	-0.036	0.042	0.004
MIQ7	0.056	-0.073	-0.140	-0.304	0.112	0.027	-0.090	-0.052	0.244	0.020	0.022	0.102	-0.107
MIQ9	0.048	0.086	0.067	-0.470	-0.096	0.054	-0.028	0.106	0.167	0.007	0.189	-0.074	-0.101
MIQ10	0.101	0.104	0.147	-0.337	-0.144	0.024	-0.052	0.173	0.108	-0.032	0.200	-0.120	-0.092
TCS1	0.044	0.074	-0.048	0.726	-0.044	0.011	-0.005	0.010	-0.096	-0.040	0.030	0.013	-0.051
TCS2	0.024	0.010	-0.029	0.845	-0.009	-0.009	0.000	-0.022	-0.065	-0.024	-0.038	0.010	-0.025
TCS3	-0.038	0.005	-0.000	0.824	0.008	-0.016	0.019	-0.049	-0.053	-0.031	-0.019	0.034	0.030
TCS4	-0.075	-0.010	0.045	0.692	0.027	0.044	-0.035	0.065	0.154	0.067	0.048	-0.061	-0.017
TCS5	0.014	-0.045	0.079	0.610	-0.032	0.011	-0.004	0.157	0.067	0.103	0.147	-0.053	-0.042
OSRI1	0.089	0.203	-0.062	0.013	-0.090	0.104	-0.016	0.012	0.142	-0.024	-0.051	0.051	-0.051
OSRI2	0.172	0.028	-0.120	0.166	0.111	-0.044	0.126	-0.010	0.125	0.080	0.059	-0.012	-0.059
OSRI3	0.025	-0.053	0.100	-0.128	0.189	0.050	0.059	0.029	0.054	-0.031	0.049	0.110	-0.001
OSRI4	0.077	-0.021	0.011	0.011	0.126	0.045	0.053	-0.029	0.011	-0.044	-0.005	0.057	-0.026
OSRI5	-0.046	0.118	0.084	-0.006	-0.178	-0.000	-0.067	0.100	-0.059	-0.051	-0.117	-0.134	-0.017
OSRI6	0.042	0.188	0.006	0.044	0.014	0.098	-0.123	0.028	0.166	-0.027	-0.027	0.023	-0.051
OSRI7	0.179	-0.055	-0.156	0.136	0.054	-0.044	0.147	-0.036	0.120	-0.034	-0.030	-0.046	0.047
OSRI8	0.104	0.223	-0.001	0.015	-0.053	0.065	-0.105	-0.006	0.002	-0.040	-0.068	-0.029	-0.076
OSRI9	0.107	0.019	-0.060	-0.127	0.056	0.056	0.024	0.031	0.170	0.042	-0.082	-0.035	0.134
OSRI10	0.032	0.202	0.061	-0.064	0.050	0.007	0.034	-0.001	0.002	-0.075	-0.002	0.014	-0.019
OSRI11	0.103	0.054	0.018	0.029	0.101	0.077	0.134	-0.083	0.195	-0.027	0.012	-0.034	0.055
OSRI12	0.074	-0.069	-0.101	0.052	0.171	0.049	0.165	-0.133	0.154	0.053	0.010	0.048	-0.010
OSRI13	0.057	0.223	0.017	0.116	-0.087	-0.031	-0.186	0.034	0.169	0.078	-0.035	0.005	-0.040
OSRI14	0.136	0.047	-0.149	0.203	0.039	-0.031	0.169	-0.077	0.096	0.035	0.026	-0.011	-0.010
OSRI15	0.110	0.218	-0.007	0.020	0.007	-0.019	-0.126	-0.040	0.172	-0.062	-0.009	0.062	0.004
OSRI16	0.160	0.065	-0.195	0.163	0.045	0.009	0.149	-0.119	0.185	-0.054	0.019	-0.011	0.065
OSRI17	0.057	0.192	0.031	0.058	0.027	-0.038	-0.045	0.067	0.040	-0.026	-0.013	-0.072	-0.001

OSRI18	0.139	-0.061	-0.097	0.086	0.158	0.019	0.126	-0.134	0.171	0.071	0.057	0.034	-0.008
SOQ1a	-0.017	0.016	0.147	0.027	-0.010	0.017	0.796	-0.002	-0.020	-0.003	0.001	0.052	0.019
SOQ1b	0.032	0.012	0.610	-0.013	-0.019	0.005	0.303	-0.008	0.126	0.044	-0.059	0.055	-0.033
SOQ1c	-0.031	0.030	0.620	0.061	-0.024	-0.029	-0.453	0.006	0.054	-0.025	-0.009	0.059	-0.015
SOQ1d	0.053	-0.003	0.685	-0.025	-0.072	-0.048	0.093	-0.019	0.156	0.048	-0.017	0.039	-0.029
SOQ1e	0.032	-0.074	0.488	-0.020	-0.019	-0.036	0.062	0.026	0.261	0.010	0.050	0.086	-0.060
SOQ2a	-0.001	0.055	-0.131	0.050	-0.042	0.051	0.695	0.032	0.290	-0.003	-0.001	-0.008	-0.012
SOQ2b	0.042	0.035	0.009	-0.015	0.018	0.073	0.265	-0.004	0.687	0.038	-0.001	0.008	-0.053
SOQ2c	-0.001	0.069	0.175	-0.012	-0.029	0.008	-0.510	-0.027	0.426	-0.034	-0.008	0.057	0.069
SOQ2d	0.029	0.007	0.133	-0.091	0.001	-0.023	-0.104	-0.010	0.746	0.031	0.012	-0.037	0.061
SOQ2e	0.022	-0.080	0.024	-0.070	0.090	0.001	-0.063	0.046	0.755	-0.017	0.030	0.025	0.010
SOQ3a	-0.028	0.015	0.352	-0.025	0.024	0.012	0.740	-0.020	-0.119	-0.014	0.026	0.010	0.065
SOQ3b	0.018	-0.001	0.825	-0.033	0.038	0.043	0.273	-0.009	-0.035	0.024	-0.004	-0.041	0.027
SOQ3c	-0.033	0.051	0.808	0.036	0.015	0.023	-0.381	0.000	-0.064	-0.049	0.004	0.004	0.025
SOQ3d	0.016	0.017	0.868	-0.053	0.002	0.023	0.115	-0.035	0.006	0.033	-0.009	-0.042	0.024
SOQ3e	0.045	-0.046	0.717	-0.065	0.040	-0.014	0.065	0.050	0.125	-0.036	0.039	-0.016	-0.007
MSPD1a	0.045	0.656	0.015	0.043	0.026	-0.018	-0.021	-0.037	-0.024	-0.107	0.037	0.002	0.035
MSPD1b	0.029	-0.011	0.017	-0.043	0.568	0.039	0.036	0.014	0.053	-0.018	-0.071	0.221	0.008
MSPD1c	0.078	-0.019	0.029	0.031	0.167	0.102	0.006	0.222	0.010	-0.041	0.243	0.390	-0.000
MSPD1d	0.060	0.046	-0.008	0.012	0.099	0.111	0.026	0.068	-0.061	0.075	-0.007	0.629	0.020
MSPD1e	0.035	0.016	0.031	0.027	0.122	0.091	0.049	0.074	0.031	0.030	0.015	0.442	0.284
MSPD2a	-0.027	0.756	0.027	-0.035	-0.064	-0.019	0.028	0.015	-0.042	0.023	-0.039	0.078	-0.004
MSPD2b	0.006	-0.062	0.025	-0.001	0.669	0.015	0.010	0.044	0.051	-0.018	0.162	0.201	0.010
MSPD2c	0.001	-0.079	0.010	-0.052	0.113	0.013	0.002	0.172	0.040	0.026	0.425	0.329	0.056
MSPD2d	0.040	-0.013	-0.003	-0.087	0.045	0.021	0.001	0.086	-0.035	0.131	0.220	0.585	0.044
MSPD2e	0.011	-0.060	-0.009	-0.027	0.066	0.006	0.026	0.104	0.067	0.082	0.181	0.433	0.273
MSPD3a	0.009	0.765	-0.005	0.035	-0.015	0.022	-0.025	-0.055	0.053	-0.039	-0.114	0.093	-0.005
MSPD3b	0.008	-0.072	0.010	0.042	0.639	-0.036	-0.001	0.071	0.026	0.025	0.174	0.117	0.050
MSPD3c	-0.016	-0.102	-0.040	0.007	0.064	0.035	-0.019	0.134	0.110	0.145	0.395	0.223	0.109
MSPD3d	0.055	-0.044	-0.059	-0.019	-0.043	0.006	-0.013	0.039	0.086	0.228	0.138	0.475	0.135
MSPD3e	0.046	-0.048	-0.060	0.021	-0.016	-0.006	0.048	0.112	0.138	0.153	0.085	0.289	0.420

MSPD4a	-0.012	0.760	-0.018	0.033	0.005	0.017	-0.019	-0.085	0.008	-0.092	0.076	0.031	0.037
MSPD4b	0.004	0.004	-0.030	-0.014	0.568	0.048	0.003	0.029	0.090	0.068	0.305	-0.024	0.081
MSPD4c	0.058	-0.012	0.000	0.016	0.057	0.055	0.019	0.042	-0.001	0.082	0.835	0.003	0.062
MSPD4d	0.066	0.018	-0.005	-0.018	0.004	0.055	-0.010	0.020	-0.003	0.113	0.718	0.118	0.097
MSPD4e	0.063	-0.040	-0.046	0.019	0.013	0.039	0.029	-0.027	0.112	0.161	0.418	0.140	0.310
MSPD5a	-0.062	0.754	-0.031	-0.040	0.008	-0.040	0.004	0.038	-0.041	-0.016	0.144	-0.109	0.081
MSPD5b	0.070	0.131	0.040	-0.038	0.607	0.016	-0.044	-0.010	-0.000	0.018	-0.091	-0.055	0.347
MSPD5c	0.040	-0.001	0.011	-0.045	0.048	0.078	-0.016	0.155	-0.056	0.067	0.232	-0.002	0.577
MSPD5d	0.073	-0.004	0.007	-0.066	0.009	0.085	-0.018	0.070	-0.083	0.131	0.099	0.133	0.577
MSPD5e	0.035	0.001	0.009	0.002	0.016	0.043	0.025	0.091	0.034	0.085	0.026	0.005	0.854
MSPD6a	-0.020	0.738	0.034	-0.020	-0.006	0.016	0.024	-0.118	0.015	0.132	-0.124	-0.005	-0.045
MSPD6b	0.042	0.036	-0.019	-0.062	0.645	0.007	-0.027	-0.022	-0.011	0.438	-0.006	-0.111	-0.076
MSPD6c	0.018	-0.046	0.008	-0.001	0.061	0.034	-0.018	0.066	0.015	0.786	0.170	-0.060	0.013
MSPD6d	0.025	-0.001	0.007	-0.003	-0.011	0.025	-0.023	0.038	-0.029	0.872	0.021	0.127	0.003
MSPD6e	0.061	-0.024	0.019	0.026	0.012	0.031	0.024	0.022	0.037	0.763	-0.037	0.020	0.213
MSPD7a	0.062	0.506	0.018	-0.001	0.008	-0.040	0.040	0.091	-0.031	-0.002	0.173	-0.063	-0.017
MSPD7b	-0.001	0.095	-0.001	-0.085	0.491	0.087	-0.012	0.030	0.060	0.076	-0.102	0.073	-0.024
MSPD7c	0.023	-0.018	0.009	-0.094	0.044	0.109	-0.007	0.337	0.069	0.065	0.178	0.256	0.012
MSPD7d	-0.019	0.046	-0.006	-0.060	0.024	0.133	-0.002	0.233	0.029	0.206	0.038	0.395	0.044
MSPD7e	0.014	0.036	0.015	-0.034	0.034	0.128	-0.007	0.202	0.064	0.146	0.010	0.330	0.178
MSPD8a	0.079	0.537	-0.021	-0.034	0.110	0.057	0.067	0.066	-0.033	0.006	0.039	-0.017	-0.104
MSPD8b	0.095	0.146	-0.061	-0.005	0.383	0.553	0.009	0.017	0.012	-0.070	0.003	-0.070	-0.068
MSPD8c	-0.002	-0.041	0.009	-0.012	-0.010	0.967	-0.000	0.014	-0.011	-0.031	0.038	-0.042	-0.015
MSPD8d	-0.009	-0.005	0.008	0.009	-0.033	0.987	-0.006	-0.004	-0.017	0.026	-0.029	0.031	-0.007
MSPD8e	-0.004	-0.004	0.004	0.012	-0.042	0.931	-0.002	-0.002	0.023	0.019	-0.007	0.013	0.052
MSPD9a	0.079	0.587	-0.024	0.027	0.073	-0.096	0.068	0.190	0.022	0.046	-0.032	-0.074	-0.076
MSPD9b	0.077	0.099	0.025	0.028	0.510	0.029	0.003	0.452	0.032	-0.016	-0.059	-0.044	-0.013
MSPD9c	0.001	-0.051	-0.001	-0.002	0.034	0.043	-0.000	0.887	-0.006	0.017	0.079	-0.032	0.009
MSPD9d	0.039	-0.011	-0.024	0.006	-0.030	0.050	-0.008	0.821	-0.034	0.069	-0.049	0.080	0.063
MSPD9e	0.056	-0.038	-0.018	0.049	-0.018	0.055	0.028	0.692	0.057	0.042	-0.034	0.080	0.175
MSPD10a	0.846	-0.018	-0.007	-0.027	-0.022	-0.007	-0.026	0.016	-0.034	0.065	0.008	0.040	-0.039

MSPD10b	0.875	-0.018	-0.031	0.042	-0.020	0.008	-0.011	0.000	-0.037	0.033	-0.018	0.006	-0.008
MSPD10c	0.676	-0.028	0.028	0.002	0.025	0.002	0.024	-0.052	0.009	-0.027	-0.067	0.010	0.041
MSPD10d	0.711	0.019	-0.012	0.071	0.054	-0.028	0.019	-0.049	0.077	-0.050	0.033	-0.051	0.046
MSPD10e	0.614	-0.011	0.012	-0.003	0.028	-0.003	-0.041	-0.059	0.111	0.010	-0.016	-0.038	0.043
MSPD10f	0.828	0.055	0.005	-0.038	-0.065	0.005	-0.021	-0.010	-0.005	-0.015	0.006	-0.001	0.027
MSPD10g	0.621	-0.009	0.037	0.020	0.095	-0.079	0.007	-0.113	0.029	-0.005	-0.048	-0.064	0.124
MSPD10h	0.764	-0.025	0.020	-0.072	0.004	0.030	0.016	0.053	-0.046	0.009	0.059	0.002	-0.070
MSPD10i	0.805	-0.015	0.028	-0.002	-0.005	0.002	0.034	0.111	-0.008	-0.015	0.047	0.006	-0.018
MSPD10j	0.748	0.033	0.028	-0.024	-0.030	0.050	-0.074	0.011	0.009	-0.013	-0.015	0.027	-0.003

Table SF93: EFA for Prolific Non-cisgender Sample (Excluding Supplementary Items): 13 Factors Using Oblimin Rotation.

Upon comparing the structures of the Tables SF93 and SF82, several similarities and differences emerge regarding how the items are grouped within each factor. When considering only cisgender individuals in the analysis, we can see in Table SF93 that also the MSPD1b-7b items load onto one factor as they exceed the threshold of 0.40. Also MSPD5c-e load onto another factor and SOQ1a-3a form another factor while the remaining items of SOQ1 and SO3 converge into one factor. In the remaining factors, we can see the same structure in both tables.

5.5. Inclusion of Supplementary Items

Table SF87 shows the factor loadings of all the items in our dataset without the supplementary items and Table SF97 shows the factor loadings of all items in our dataset including the supplementary items. Note that they exhibit both similarities and differences. The inclusion of supplementary items in Table SF97 alters the order and arrangement of the factors compared to Table SF87. In Table SF97, factors like F1 become more comprehensive. For example, F1 in Table SF97 combines items such as MSPD1c-e, MSPD2c-e, MSPD3c-e, MSPD5d-e, MSPD7e along with the items MSPD5c and MSPD4c-e. In contrast, in Table SF87, these items are distributed across multiple factors, such as F6 and F12, leading to a reorganization of the groupings. Similarly, F2 in Table SF97 includes MSPD10a-l, incorporating the supplementary items MSPD10k and MSPD10l.
Without these supplementary items in Table SF87, this factor comprises the items MSPD10a-j, keeping the same structure. Another significant difference occurs in F3 of Table SF97, which contains SOQ items such as SOQ1b, SOQ1d, SOQ1e, SOQ3b, SOQ3d, SOQ3e, and the supplementary items SOQ4c-4e. In Table SF87, the absence of SOQ4a-e and SOQ5a-e results in the remaining SOQ items being reallocated to other factors, such as F5 and F10. Similarly, in F4 of Table SF97, the inclusion of supplementary items like TCS6, TCS7, and OSRI20 expands this factor to cover more TCS and OSRI constructs. Without these supplementary items in Table SF87, F4 is limited to fewer TCS items, specifically TCS1–TCS5.
The inclusion of supplementary items also leads to a reordering of factors. For example, F1 in Table SF87, which focuses on MSPD10a-j, shifts to F2 in Table SF97, since the inclusion of supplementary items allows for the creation of a new primary factor. Other factors, such as F6 and F12 in Table SF87 are merged into F1 in Table SF97. Furthermore, the inclusion of supplementary items changes the underlying constructs represented by the factors, leading to renumbering and broader definitions. For example, SOQ4a-e and SOQ5a-e contribute to richer factor definitions in Table SF97, such as F3, but their absence in Table SF87 leads to narrower factors such as F5 and F10. Similarly, TCS6 and OSRI20 enhance F4 in Table SF97, while their exclusion simplifies the corresponding factor in Table SF87. Overall, the inclusion of supplementary items in Table SF97 results in larger, more comprehensive factors, which implies an altered prioritization and a renumbering of the factors and a new structure for Table SF87.

5.6. Exploratory Factor Analysis - All Items

We conducted an EFA including the supplementary items to compare with the results discussed in section 4.2.

Factor 1 Perception of discrimination against non-cisgender individuals
MSPD1c: In society, transwomen are visibly rejected.
MSPD1d: In society, transmen are visibly rejected.
MSPD1e: In society, non-binary individuals are visibly rejected.
MSPD2c: Society treats transwomen unfairly.
MSPD2d: Society treats transmen unfairly.
MSPD2e: Society treats non-binary individuals unfairly.
MSPD3c: Transwomen suffer from occupational discrimination.
MSPD3d: Transmen suffer from occupational discrimination.
MSPD3e: Non-binary individuals suffer from occupational discrimination.
MSPD4c: Transwomen suffer from discrimination in the health sphere.
MSPD4d: Transmen suffer from discrimination in the health sphere.
MSPD4e: Non-binary individuals suffer from discrimination in the health sphere.
MSPD5c: Transwomen suffer from rejection in their daily social relations.
MSPD5d: Transmen suffer from rejection in their daily social relations.
MSPD5e: Non-binary individuals suffer from rejection in their daily social relations.
MSPD7e: Society mistrusts non-binary individuals.

Factor 2 Personal discrimination experience
MSPD10a: I have felt personally rejected for being a (gender).
MSPD10b: I have been treated unfairly for being a (gender).
MSPD10c: I have been discriminated at work for being a (gender).
MSPD10d: I have been discriminated in the health sphere for being a (gender).

MSPD10e: I have been discriminated in the legal sphere for being a (gender).
MSPD10f: I have been rejected in my daily social relations for being a (gender).
MSPD10g: I have been the target of discriminatory actions by some private institutions (e.g., banks, insurance companies, etc.) for being a (gender).
MSPD10h: Even when people seem to accept me, deep down, I think they have some misgivings because I am a (gender).
MSPD10i: Even though there is no express rejection, people treat me differently when they see I am a (gender).
MSPD10j: I feel that people mistrust me for being a (gender).
MSPD10k: I feel discriminated by others based on my gender.
MSPD10l: If I think about how I am perceived by others, others discriminate against me because I am a (gender).

Factor 3 Satisfaction with personal gender identity
MIQ1: In the past 12 months, have you felt satisfied being a (gender)?
MIQ11: In the past 12 months, have you felt contentment with your own gender?
TCS1: My outward appearance represents my gender identity.
TCS2: I am happy with the way my appearance expresses my gender identity.
TCS3: I feel that my mind and body are consistent with one another.
TCS4: I am happy that I have the gender identity that I do.
TCS5: I have accepted my gender identity.
TCS6: My external gender identity (e.g., my body, outward appearance, or how I dress) represents my gender identity.
OSRI20: My gender identity matches contemporary gender stereotypes assigned by friends, family, co-workers, and others, as well as those imposed by political, educational, media, medical, cultural and social institutions.

Factor 4 Perception and expression of own gender as male
MIQ4: In the past 12 months, have you worn the clothes typically associated with males, such as pants or suits?
MIQ5: In the past 12 months, have you felt more like a man than like a woman?
MIQ13: If you think about the self-perception of your gender, how much do you feel as a man?
TCS8: If I think about the external representation of my gender, I feel like a man.

Factor 5 Extent of romantic and sexual activities with non-cisgender individuals
SOQ1b: In the past 12 months, has/have your romantic relationship(s) been with transmen?
SOQ1d: In the past 12 months, has/have your romantic relationship(s) been with transwomen?
SOQ1e: In the past 12 months, has/have your romantic relationship(s) been with non-binary individuals?
SOQ3b: In the past 12 months, when you had sex, was it with transmen?
SOQ3d: In the past 12 months, when you had sex, was it with transwomen?
SOQ3e: In the past 12 months, when you had sex, was it with non-binary individuals?
SOQ4c: Over the past 12 months, have you had sexual activities with transwomen?
SOQ4d: Over the past 12 months, have you had sexual activities with transmen?
SOQ4e: Over the past 12 months, have you had sexual activities with non-binary individuals?

Factor 6 Perception of discrimination against men
MSPD1a: In society, men are visibly rejected.
MSPD2a: Society treats men unfairly.
MSPD3a: Men suffer from occupational discrimination.
MSPD4a: Men suffer from discrimination in the health sphere.
MSPD5a: Men suffer from rejection in their daily social relations.
MSPD6a: Men suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.).
MSPD7a: Society mistrusts men.
MSPD8a: Even when people seem to accept men, I think that, deep down, they have some misgivings.
MSPD9a: Even though there is no express rejection, people treat men differently.

Factor 7 Extent of sexual attraction towards non-cisgender individuals
SOQ2b: In the past 12 months, when you felt sexually attracted, was this to transmen?
SOQ2d: In the past 12 months, when you felt sexually attracted, was this to transwomen?
SOQ2e: In the past 12 months, when you felt sexually attracted, was this to non-binary individuals?
SOQ5c: If you think about your sexual behavior, how much do you feel attracted to transwomen?
SOQ5d: If you think about your sexual behavior, how much do you feel attracted to transmen?
SOQ5e: If you think about your sexual behavior, how much do you feel attracted to non-binary individuals?

Factor 8 Extent of romantic and sexual attraction to, and activities with, men
SOQ1a: In the past 12 months, has/have your romantic relationship(s) been with men?
SOQ2a: In the past 12 months, when you felt sexually attracted, was this to men?
SOQ3a: In the past 12 months, when you had sex, was it with men?
SOQ4b: Over the past 12 months, have you had sexual activities with men?
SOQ5b: If you think about your sexual behavior, how much do you feel attracted to men?

Factor 9 Extent of romantic and sexual attraction to, and activities with, women
SOQ1c: In the past 12 months, has/have your romantic relationship(s) been with women?
SOQ2c: In the past 12 months, when you felt sexually attracted, was this to women?
SOQ3c: In the past 12 months, when you had sex, was it with women?
SOQ4a: Over the past 12 months, have you had sexual activities with women?
SOQ5a: If you think about your sexual behavior, how much do you feel attracted to women?

Factor 10 Perception of discrimination against women
MSPD1b: In society, women are visibly rejected.
MSPD2b: Society treats women unfairly.
MSPD3b: Women suffer from occupational discrimination.
MSPD4b: Women suffer from discrimination in the health sphere.
MSPD5b: Women suffer from rejection in their daily social relations.
MSPD6b: Women suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.).
MSPD7b: Society mistrusts women.
MSPD8b: Even when people seem to accept women, I think that, deep down, they have some misgivings.
MSPD9b: Even though there is no express rejection, people treat women differently.

Factor 11 Perception of non-acceptance of non-cisgender individuals
MSPD8c: Even when people seem to accept transwomen, I think that, deep down, they have some misgivings.
MSPD8d: Even when people seem to accept transmen, I think that, deep down, they have some misgivings.
MSPD8e: Even when people seem to accept non-binary individuals, I think that, deep down, they have some misgivings.

Factor 12 Perception of discriminatory treatment of non-cisgender individuals
MSPD9c: Even though there is no express rejection, people treat transwomen differently.
MSPD9d: Even though there is no express rejection, people treat transmen differently.
MSPD9e: Even though there is no express rejection, people treat non-binary individuals differently.

Factor 13 Perception of discrimination against non-cisgender individuals by institutions
MSPD6c: Transwomen suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.).
MSPD6d: Transmen suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.).
MSPD6e: Non-binary individuals suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.).

Table SF94 below shows that MIQ1 and MIQ11 load on Factor 3, while MIQ4, MIQ5 and MIQ13 load on Factor 4. MIQ6, MIQ7, MIQ9, MIQ10 and MIQ12 do not have high loadings. TCS1, TCS2, TCS3, TCS4, TCS5 and TCS6 load on Factor 3. While TCS8 loads on Factor 4, TCS7 does not have high loadings. OSRI1-19 do not have sufficient loadings, with the exception of OSRI20, which loads on Factor 3. The SOQ items have: SOQ1a-3a, SOQ4b and SOQ5b load on Factor 8. SOQ1b, SOQ1d-e, SOQ3b, SOQ3d-e and SOQ4c-4e load on Factor 5. SOQ1c-3c and SOQ4a-5a load on Factor 9. SOQ2b, SOQ2d, SOQ2e, SOQ5c-5e load on Factor 7.
For the MSPD items, MSPD1a-9a load on Factor 6, while MSPD1b-9b load on Factor 10. The items MSPD1c-e, MSPD2-e, MSPD3c-e, MSPD4c-e, MSPD5c-e, MSPD7c-e load on Factor 1. MSPD6c, MSPD6d-e load on Factor 13. MSPD8c-e load on Factor 11, while MSPD9c-e load on Factor 12. MSPD10a-l all load on Factor 2.

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13
MIQ1	-0.057	-0.054	0.582	-0.002	-0.019	-0.084	0.168	-0.006	0.012	-0.003	0.004	0.091	0.018
MIQ3	-0.016	0.035	0.099	-0.689	0.041	0.055	0.128	-0.024	-0.043	-0.036	0.024	-0.043	0.001
MIQ4	0.007	0.002	0.069	0.685	-0.026	-0.069	-0.038	0.025	0.031	0.112	0.008	0.034	0.016
MIQ5	0.017	0.012	0.009	0.850	0.040	0.012	0.073	-0.076	-0.004	-0.034	-0.010	0.004	-0.005
MIQ6	0.003	0.075	-0.396	-0.025	-0.020	0.016	0.225	-0.078	-0.040	0.051	0.002	-0.037	-0.026
MIQ7	0.008	0.068	-0.413	-0.020	0.012	-0.051	0.274	-0.126	-0.093	0.086	0.020	-0.012	0.002
MIQ9	0.012	0.097	-0.513	0.099	0.038	-0.016	0.186	0.048	-0.042	0.021	0.041	0.054	0.005
MIQ10	-0.004	0.161	-0.441	0.185	0.070	-0.026	0.193	0.062	-0.033	-0.004	0.016	0.066	0.005
TCS1	0.012	0.026	0.775	0.111	-0.025	0.019	-0.084	0.016	-0.063	-0.029	0.015	-0.034	-0.040
TCS2	-0.015	0.011	0.869	0.042	-0.004	-0.012	-0.012	-0.019	-0.010	-0.012	-0.013	-0.057	-0.019
TCS3	0.014	-0.058	0.811	-0.073	-0.017	0.028	-0.054	0.000	0.036	0.002	-0.010	-0.040	-0.007
TCS4	-0.027	-0.052	0.778	-0.095	0.027	-0.008	0.135	-0.022	0.071	0.021	0.021	0.045	0.013
TCS5	-0.002	0.029	0.697	0.019	-0.002	-0.086	0.077	0.051	0.069	0.019	-0.020	0.162	0.025
OSRI1	-0.008	0.090	-0.021	0.147	-0.010	0.151	0.111	0.020	0.035	-0.029	0.026	0.021	-0.031
OSRI2	0.004	0.133	0.134	-0.057	-0.003	0.003	0.222	0.049	-0.079	0.031	-0.040	0.030	0.060
OSRI3	0.108	0.030	-0.174	-0.004	0.027	-0.012	0.059	0.102	0.056	0.129	0.037	0.092	-0.050
OSRI4	0.021	0.098	-0.013	-0.079	-0.041	0.030	0.053	0.050	0.052	0.047	0.036	0.000	0.005
OSRI5	-0.149	-0.052	0.040	0.155	-0.034	0.079	-0.094	0.014	0.095	-0.133	-0.002	-0.023	0.035
OSRI6	-0.073	0.070	-0.002	0.144	-0.100	0.132	0.151	-0.022	0.120	0.037	0.077	0.010	0.001
OSRI7	0.040	0.154	0.121	-0.169	-0.094	-0.050	0.143	0.092	-0.042	0.028	-0.010	-0.048	-0.008
OSRI8	-0.150	0.115	0.009	0.144	-0.139	0.058	-0.002	-0.018	0.143	-0.014	0.075	-0.023	-0.058
OSRI9	0.054	0.117	-0.129	-0.127	-0.051	0.051	0.137	0.055	0.054	0.057	0.035	0.036	-0.059
OSRI10	-0.014	0.027	-0.108	0.100	-0.028	0.158	0.014	0.092	0.071	0.036	-0.002	0.001	-0.060
OSRI11	0.044	0.116	-0.033	-0.116	-0.001	0.101	0.183	0.096	0.062	0.046	0.046	-0.028	-0.047
OSRI12	0.065	0.097	0.048	-0.137	-0.082	-0.037	0.140	0.101	-0.041	0.063	0.072	-0.123	0.068
OSRI13	0.018	0.065	0.044	0.265	-0.128	0.120	0.129	-0.021	0.126	-0.055	-0.023	-0.024	0.060
OSRI14	-0.015	0.122	0.174	-0.118	-0.114	0.053	0.123	0.081	0.025	0.014	0.022	-0.061	0.053
OSRI15	0.019	0.099	-0.005	0.168	-0.108	0.202	0.117	-0.026	0.125	-0.038	-0.029	-0.016	-0.007
OSRI16	0.064	0.140	0.178	-0.243	-0.096	0.041	0.194	0.077	-0.028	-0.009	0.042	-0.114	0.006
OSRI17	-0.024	0.048	0.021	0.121	-0.090	0.128	0.019	0.008	0.147	0.010	-0.011	0.001	-0.030

OSRI18	0.077	0.110	0.047	-0.144	0.022	0.007	0.260	0.002	-0.058	0.067	0.025	-0.067	0.044
SOQ1a	0.001	-0.005	0.016	-0.088	0.000	-0.023	0.007	0.811	-0.117	-0.012	0.005	-0.001	0.032
SOQ1b	-0.012	0.022	-0.024	0.183	0.462	0.018	0.109	0.368	0.119	-0.037	-0.013	-0.037	0.065
SOQ1c	0.008	-0.029	0.015	0.102	-0.007	0.022	0.033	-0.096	0.773	-0.034	-0.021	-0.022	0.032
SOQ1d	-0.019	0.011	-0.068	-0.007	0.465	0.035	0.135	0.224	0.268	-0.093	-0.049	-0.010	0.095
SOQ1e	0.050	0.009	0.003	0.035	0.747	0.004	0.192	-0.101	-0.124	-0.043	-0.016	-0.005	0.052
SOQ2a	-0.015	0.049	0.061	-0.202	-0.094	-0.020	0.218	0.616	-0.261	-0.006	0.016	0.015	0.010
SOQ2b	-0.017	0.095	-0.024	0.173	0.007	-0.018	0.711	0.268	-0.022	0.044	0.039	-0.007	0.027
SOQ2c	0.032	0.010	-0.004	0.157	-0.134	0.072	0.307	-0.285	0.566	0.005	0.012	0.032	-0.046
SOQ2d	0.040	0.016	-0.108	-0.073	0.034	0.027	0.755	-0.003	0.167	0.014	-0.008	0.024	0.049
SOQ2e	0.062	0.035	-0.078	-0.038	0.183	-0.029	0.724	-0.135	-0.050	0.073	0.014	0.050	-0.003
SOQ3a	0.043	-0.020	-0.024	-0.124	0.154	-0.022	-0.070	0.785	-0.066	0.026	0.005	0.023	-0.017
SOQ3b	-0.001	0.025	-0.029	0.107	0.697	-0.001	-0.041	0.305	0.172	0.045	0.032	-0.007	-0.004
SOQ3c	-0.009	-0.008	0.018	0.080	0.184	0.003	-0.066	-0.065	0.817	0.012	0.004	0.010	-0.026
SOQ3d	-0.010	0.006	-0.073	-0.036	0.680	0.026	-0.010	0.201	0.287	-0.003	0.014	0.006	0.016
SOQ3e	0.028	0.021	-0.005	-0.019	0.952	0.002	0.050	-0.107	-0.048	0.025	0.011	0.040	-0.029
MSPD1a	0.065	0.034	-0.044	0.034	-0.035	0.703	-0.000	0.016	0.047	-0.018	-0.022	-0.013	-0.076
MSPD1b	0.163	0.017	-0.099	-0.005	-0.019	0.030	0.119	0.049	0.005	0.527	0.024	-0.013	-0.049
MSPD1c	0.630	0.012	-0.020	0.033	-0.013	-0.047	0.034	0.044	0.011	0.130	0.091	0.165	-0.122
MSPD1d	0.681	-0.018	-0.008	-0.001	-0.064	0.020	-0.024	0.063	0.053	0.039	0.109	0.094	-0.088
MSPD1e	0.722	0.031	0.001	0.018	-0.031	0.061	0.052	0.046	0.028	0.008	0.076	0.037	-0.066
MSPD2a	0.022	-0.013	-0.021	0.042	0.040	0.777	-0.010	0.000	-0.042	-0.082	0.025	-0.001	-0.039
MSPD2b	0.245	0.039	-0.049	0.004	0.012	-0.061	0.051	0.017	-0.001	0.649	0.033	0.008	0.002
MSPD2c	0.753	0.019	-0.040	0.014	0.042	-0.093	0.014	0.012	-0.025	0.115	-0.021	0.060	0.026
MSPD2d	0.825	0.021	-0.043	-0.010	0.015	-0.041	-0.035	0.023	-0.001	0.056	-0.015	0.028	0.020
MSPD2e	0.824	0.033	-0.016	-0.030	0.020	-0.004	0.032	0.006	0.011	-0.000	-0.013	0.011	0.046
MSPD3a	0.038	-0.024	0.027	-0.021	-0.000	0.803	0.020	-0.032	-0.001	-0.022	-0.000	-0.073	-0.050
MSPD3b	0.308	0.038	0.039	-0.015	0.001	-0.027	0.012	0.002	0.033	0.625	-0.016	0.058	0.023
MSPD3c	0.703	-0.009	-0.002	0.017	0.020	-0.077	0.037	-0.020	-0.019	0.105	0.054	0.034	0.100
MSPD3d	0.755	0.017	-0.000	-0.017	0.002	-0.016	0.003	-0.031	0.001	-0.015	0.066	-0.013	0.133
MSPD3e	0.759	0.033	0.022	-0.028	0.017	0.017	0.044	-0.022	-0.016	-0.054	0.046	0.004	0.129

MSPD4a	0.084	-0.025	0.023	0.011	0.040	0.765	0.007	-0.019	-0.026	0.021	0.003	-0.071	-0.054
MSPD4b	0.195	0.084	-0.046	-0.009	0.011	0.042	0.100	0.010	-0.037	0.583	0.015	0.035	0.078
MSPD4c	0.593	0.055	-0.041	0.025	0.037	-0.035	0.020	-0.002	-0.049	0.170	0.021	0.054	0.146
MSPD4d	0.624	0.052	-0.061	0.010	0.013	-0.016	0.002	-0.008	-0.033	0.127	0.016	0.058	0.150
MSPD4e	0.694	0.063	-0.017	-0.003	0.059	0.011	0.060	-0.045	-0.071	0.053	0.013	-0.033	0.145
MSPD5a	0.085	-0.029	-0.042	0.074	-0.030	0.737	-0.030	0.019	-0.008	0.089	-0.034	0.074	-0.034
MSPD5b	0.192	0.106	-0.008	-0.036	0.038	0.165	0.037	-0.017	0.011	0.550	0.027	-0.062	0.016
MSPD5c	0.660	0.024	-0.018	0.014	0.006	0.029	-0.017	0.002	0.026	0.034	0.055	0.169	0.058
MSPD5d	0.678	0.050	-0.006	0.007	-0.001	0.052	-0.051	-0.006	0.033	-0.027	0.071	0.121	0.103
MSPD5e	0.724	0.049	0.030	-0.003	0.009	0.093	0.013	-0.002	0.026	-0.062	0.048	0.069	0.120
MSPD6a	-0.187	-0.006	-0.026	-0.016	0.012	0.739	-0.014	-0.010	0.020	-0.004	0.036	-0.098	0.178
MSPD6b	-0.138	0.063	-0.035	0.006	-0.008	0.045	-0.009	-0.004	-0.009	0.611	0.030	0.022	0.447
MSPD6c	0.132	0.023	-0.024	0.017	0.002	-0.071	0.018	-0.008	-0.020	0.088	0.047	0.101	0.739
MSPD6d	0.156	0.032	-0.017	0.010	-0.016	-0.031	-0.002	-0.009	0.001	0.004	0.055	0.081	0.781
MSPD6e	0.216	0.056	-0.002	0.012	0.006	0.009	0.040	0.001	-0.006	-0.031	0.053	0.034	0.712
MSPD7a	-0.025	0.113	-0.014	0.081	0.032	0.531	0.024	0.027	-0.015	0.094	-0.038	0.117	0.011
MSPD7b	0.029	0.014	-0.053	-0.047	0.002	0.097	0.039	-0.036	0.003	0.503	0.162	-0.055	0.051
MSPD7c	0.341	0.013	-0.071	0.035	-0.027	-0.048	0.030	0.054	0.027	0.095	0.158	0.277	0.130
MSPD7d	0.387	-0.005	-0.037	0.008	-0.077	0.014	-0.012	0.077	0.058	0.034	0.176	0.212	0.199
MSPD7e	0.448	0.014	-0.025	0.010	-0.019	0.034	0.015	0.052	0.025	-0.003	0.187	0.134	0.153
MSPD8a	-0.100	0.119	-0.036	0.018	-0.033	0.531	-0.030	0.025	0.035	0.135	0.077	0.066	0.024
MSPD8b	-0.120	0.117	-0.008	-0.028	-0.032	0.126	0.021	-0.002	0.017	0.458	0.452	-0.035	0.024
MSPD8c	-0.027	0.003	-0.012	0.004	0.019	-0.038	-0.014	-0.013	-0.006	0.016	0.950	0.041	-0.016
MSPD8d	-0.002	-0.005	0.014	0.007	-0.015	-0.001	-0.016	0.014	0.010	-0.021	0.967	0.025	0.019
MSPD8e	0.076	-0.002	0.012	-0.029	0.023	0.020	0.012	-0.019	-0.017	-0.037	0.909	0.001	0.006
MSPD9a	-0.155	0.107	0.070	-0.031	0.061	0.558	-0.045	-0.009	-0.059	0.082	-0.095	0.295	0.005
MSPD9b	-0.094	0.117	0.017	-0.027	0.067	0.062	0.022	-0.032	-0.013	0.506	0.016	0.394	0.024
MSPD9c	0.039	-0.002	-0.023	0.025	-0.003	-0.048	0.011	0.014	0.003	0.032	0.083	0.865	0.034
MSPD9d	0.065	0.016	-0.004	0.000	-0.011	0.002	-0.016	0.011	0.011	-0.037	0.080	0.853	0.062
MSPD9e	0.187	0.046	0.033	-0.019	0.032	0.017	0.037	-0.011	-0.018	-0.066	0.069	0.707	0.051
MSPD10a	0.008	0.784	-0.007	0.002	0.036	0.054	-0.027	-0.043	-0.061	0.041	-0.010	0.066	0.029

MSPD10b	-0.017	0.815	0.045	-0.068	0.005	0.049	-0.036	-0.013	-0.038	0.038	-0.019	0.096	0.009
MSPD10c	-0.028	0.709	0.023	-0.145	-0.019	0.047	-0.002	0.019	0.053	-0.008	-0.012	0.022	0.035
MSPD10d	0.001	0.735	0.052	-0.103	-0.033	0.006	0.049	0.031	0.020	0.062	-0.043	-0.022	0.030
MSPD10e	-0.033	0.612	-0.010	-0.083	-0.062	0.034	0.063	0.048	0.091	0.031	-0.012	0.013	0.054
MSPD10f	0.042	0.840	-0.031	0.052	-0.017	0.068	0.004	-0.002	-0.017	-0.050	0.003	-0.034	-0.009
MSPD10g	-0.017	0.676	0.010	-0.115	-0.047	0.026	0.009	0.042	0.101	0.026	-0.077	-0.065	0.063
MSPD10h	0.002	0.790	-0.078	0.028	-0.010	-0.013	-0.006	0.023	0.020	0.038	0.034	0.035	0.001
MSPD10i	0.016	0.833	-0.014	0.020	0.022	-0.028	0.002	-0.006	-0.020	0.035	0.004	0.049	0.006
MSPD10j	0.011	0.809	-0.038	0.120	0.032	0.004	-0.010	-0.046	-0.016	-0.008	0.052	-0.038	-0.014
MIQ11	0.004	-0.045	0.704	-0.008	0.072	-0.035	0.019	-0.039	0.001	0.020	-0.008	-0.008	0.035
MIQ12	-0.007	0.052	0.000	-0.803	0.007	-0.071	0.060	0.028	-0.027	0.018	0.026	0.014	0.008
MIQ13	-0.018	0.002	0.035	0.838	0.025	0.032	0.095	-0.062	-0.000	-0.020	-0.000	0.023	0.007
TCS6	-0.004	0.017	0.800	0.103	0.004	0.009	-0.117	0.008	-0.079	0.003	0.019	-0.021	-0.031
TCS7	0.009	0.019	0.056	-0.795	-0.052	-0.001	-0.009	0.124	-0.018	0.032	-0.021	0.003	-0.035
TCS8	-0.017	-0.031	0.070	0.803	-0.068	0.106	0.006	0.012	0.090	-0.011	0.021	-0.043	-0.011
OSRI19	0.045	0.063	0.150	0.036	-0.118	0.078	0.068	0.040	0.113	-0.036	0.003	-0.099	0.012
OSRI20	-0.021	-0.049	0.449	-0.020	-0.140	0.107	-0.213	0.141	0.134	-0.072	-0.014	0.008	-0.041
SOQ4a	-0.011	-0.005	0.025	0.045	0.166	-0.010	-0.051	-0.064	0.836	0.011	0.007	-0.006	-0.006
SOQ4b	0.042	-0.019	-0.027	-0.118	0.130	-0.001	-0.046	0.789	-0.045	0.017	0.010	-0.001	-0.011
SOQ4c	-0.012	0.012	-0.066	-0.063	0.666	0.025	0.017	0.212	0.315	-0.017	0.016	-0.009	0.031
SOQ4d	0.008	0.034	-0.030	0.095	0.690	0.001	-0.021	0.313	0.180	0.029	0.034	-0.033	0.008
SOQ4e	0.014	0.024	-0.018	-0.037	0.937	0.004	0.068	-0.105	-0.035	0.017	0.023	0.021	-0.006
SOQ5a	0.050	0.016	0.020	0.153	-0.106	0.038	0.261	-0.316	0.535	0.003	0.029	0.028	-0.051
SOQ5b	-0.010	0.016	0.046	-0.182	-0.054	-0.028	0.205	0.598	-0.287	-0.031	0.012	0.026	0.003
SOQ5c	0.051	0.001	-0.156	-0.092	0.057	0.001	0.706	-0.065	0.144	0.000	-0.001	0.036	0.055
SOQ5d	0.017	0.078	-0.061	0.199	0.053	-0.032	0.670	0.244	-0.106	0.053	0.032	-0.018	0.048
SOQ5e	0.049	0.015	-0.112	0.014	0.186	-0.067	0.712	-0.109	-0.098	0.079	-0.011	0.046	0.027
MSPD10k	0.020	0.909	-0.029	0.015	0.025	-0.060	0.009	-0.016	-0.015	-0.032	0.028	-0.022	-0.034
MSPD10l	0.028	0.953	0.001	0.011	0.018	-0.059	-0.023	-0.017	0.006	-0.050	0.024	-0.039	-0.018

Table SF94: EFA for Total Sample (Including Supplementary Items): 13 Factors Using Oblimin Rotation.

Factor	Eigenvalue	VAR	CUM
1	8.8658	0.0733	0.0733
2	8.0019	0.0661	0.1394
3	7.1023	0.0587	0.1981
4	5.8911	0.0487	0.2468
5	5.2868	0.0437	0.2905
6	5.0078	0.0414	0.3319
7	4.7389	0.0392	0.3710
8	4.3865	0.0363	0.4073
9	3.1494	0.0260	0.4333
10	3.1179	0.0258	0.0.4591
11	2.6648	0.0220	0.4811
12	2.2751	0.0188	0.4999

Table SF95: Factors, Eigenvalues, Variance Explained, and Cumulative Variance for Total Sample (Including Supplementary Items): 12 Factors Using Oblimin Rotation.

Factor	Items
F1	MSPD1c, MSPD1d, MSPD1e, MSPD2c, MSPD2d, MSPD2e, MSPD3c, MSPD3d, MSPD3e, MSPD4c, MSPD4d, MSPD4e, MSPD5c, MSPD5d, MSPD5e, MSPD7d, MSPD7e
F2	MSPD10a, MSPD10b, MSPD10c, MSPD10d, MSPD10e, MSPD10f, MSPD10g, MSPD10h, MSPD10i, MSPD10j, MSPD10k, MSPD10l
F3	SOQ1b, SOQ1d, SOQ1e, SOQ3b, SOQ3d, SOQ3e, SOQ4a, SOQ4c, SOQ4d, SOQ4e
F4	MIQ1, TCS1, TCS2, TCS3, TCS4, TCS5, MIQ11, TCS6, OSRI20
F5	MIQ4, MIQ5, MIQ13, TCS8
F6	SOQ1a, SOQ2a, SOQ3a, SOQ4b, SOQ5b
F7	MSPD1a, MSPD2a, MSPD3a, MSPD4a, MSPD5a, MSPD6a, MSPD7a, MSPD8a, MSPD9a
F8	SOQ2b, SOQ2d, SOQ2e, SOQ5c, SOQ5d, SOQ5e
F9	MSPD8c, MSPD8d, MSPD8e
F10	MSPD1b, MSPD2b, MSPD3b, MSPD4b, MSPD5b, MSPD7b
F11	MSPD9c, MSPD9d, MSPD9e
F12	MSPD6c, MSPD6d, MSPD6e

Table SF96: Factor Structure and Items (Including Supplementary Items): 12 Factors (Oblimin Rotation).

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
MIQ1	-0.0595	-0.0543	-0.0423	0.5824	-0.0012	-0.0107	-0.0859	0.1689	0.0032	-0.0031	0.0894	0.0173
MIQ3	-0.0210	0.0375	-0.0228	0.0903	-0.6873	0.0110	0.0479	0.1395	0.0192	-0.0324	-0.0394	-0.0011
MIQ4	0.0120	-0.0006	0.0149	0.0749	0.6880	0.0062	-0.0618	-0.0447	0.0110	0.1074	0.0304	0.0178
MIQ5	0.0148	0.0120	0.0081	-0.0007	0.8508	-0.0565	0.0096	0.0812	-0.0124	-0.0328	0.0078	-0.0046
MIQ6	0.0021	0.0760	-0.0724	-0.3978	-0.0275	-0.0512	0.0168	0.2360	0.0025	0.0500	-0.0360	-0.0236
MIQ7	0.0037	0.0702	-0.0943	-0.4249	-0.0216	-0.0516	-0.0572	0.2951	0.0172	0.0893	-0.0059	0.0033
MIQ9	0.0168	0.0969	0.0419	-0.5084	0.1021	0.0735	-0.0100	0.1934	0.0437	0.0185	0.0527	0.0061
MIQ10	0.0009	0.1606	0.0835	-0.4375	0.1919	0.0872	-0.0211	0.2014	0.0179	-0.0052	0.0655	0.0048
TCS1	0.0064	0.0260	-0.0815	0.7558	0.1129	0.0729	0.0105	-0.0877	0.0088	-0.0265	-0.0300	-0.0424
TCS2	-0.0221	0.0102	-0.0523	0.8526	0.0440	0.0043	-0.0198	-0.0136	-0.0190	-0.0096	-0.0528	-0.0214
TCS3	0.0096	-0.0594	-0.0273	0.8044	-0.0724	-0.0176	0.0236	-0.0600	-0.0138	0.0023	-0.0395	-0.0092
TCS4	-0.0298	-0.0531	0.0168	0.7786	-0.0929	-0.0619	-0.0100	0.1372	0.0190	0.0196	0.0450	0.0111
TCS5	-0.0014	0.0266	0.0314	0.7061	0.0155	-0.0078	-0.0827	0.0717	-0.0180	0.0145	0.1565	0.0253
OSRI1	-0.0030	0.0887	-0.0663	-0.0106	0.1475	-0.0115	0.1606	0.0973	0.0312	-0.0341	0.0140	-0.0288
OSRI2	0.0038	0.1326	-0.0475	0.1313	-0.0526	0.1086	0.0036	0.2306	-0.0410	0.0296	0.0303	0.0597
OSRI3	0.1168	0.0277	0.1023	-0.1582	-0.0068	0.0389	-0.0009	0.0535	0.0440	0.1218	0.0849	-0.0470
OSRI4	0.0254	0.0963	0.0103	-0.0006	-0.0807	-0.0020	0.0384	0.0437	0.0411	0.0410	-0.0060	0.0076
OSRI5	-0.1475	-0.0538	0.0336	0.0492	0.1592	-0.0485	0.0861	-0.1057	0.0018	-0.1369	-0.0277	0.0358
OSRI6	-0.0674	0.0675	-0.0395	0.0146	0.1494	-0.1052	0.1467	0.1368	0.0842	0.0275	0.0009	0.0043
OSRI7	0.0434	0.1519	-0.0886	0.1296	-0.1654	0.1116	-0.0424	0.1361	-0.0069	0.0233	-0.0536	-0.0072
OSRI8	-0.1429	0.1121	-0.0561	0.0282	0.1517	-0.1141	0.0763	-0.0222	0.0842	-0.0257	-0.0343	-0.0531
OSRI9	0.0606	0.1149	0.0013	-0.1118	-0.1302	-0.0040	0.0630	0.1288	0.0425	0.0489	0.0283	-0.0554
OSRI10	-0.0055	0.0251	0.0576	-0.0919	0.0981	0.0220	0.1707	-0.0012	0.0052	0.0283	-0.0068	-0.0579
OSRI11	0.0516	0.1136	0.0615	-0.0177	-0.1161	0.0340	0.1130	0.1759	0.0524	0.0379	-0.0356	-0.0456
OSRI12	0.0692	0.0958	-0.0731	0.0551	-0.1338	0.1180	-0.0282	0.1344	0.0755	0.0566	-0.1289	0.0700
OSRI13	0.0243	0.0613	-0.0593	0.0620	0.2682	-0.1093	0.1350	0.1111	-0.0156	-0.0649	-0.0347	0.0635
OSRI14	-0.0096	0.1198	-0.0751	0.1877	-0.1131	0.0548	0.0649	0.1107	0.0281	0.0053	-0.0699	0.0557
OSRI15	0.0253	0.0966	-0.0472	0.0116	0.1722	-0.1129	0.2174	0.1018	-0.0224	-0.0483	-0.0257	-0.0036
OSRI16	0.0664	0.1387	-0.0950	0.1853	-0.2387	0.0906	0.0482	0.1881	0.0447	-0.0144	-0.1192	0.0069
OSRI17	-0.0167	0.0444	-0.0040	0.0393	0.1268	-0.0972	0.1451	0.0020	-0.0024	-0.0010	-0.0100	-0.0256

OSRI18	0.0764	0.1105	-0.0352	0.0415	-0.1412	0.0449	0.0055	0.2730	0.0230	0.0664	-0.0658	0.0436
SOQ1a	0.0221	-0.0119	0.2854	0.0639	-0.1286	0.7310	0.0026	-0.0333	0.0273	-0.0223	-0.0216	0.0354
SOQ1b	-0.0043	0.0220	0.6697	-0.0100	0.1656	0.2206	0.0148	0.1080	-0.0117	-0.0285	-0.0342	0.0554
SOQ1c	0.0268	-0.0417	0.3828	0.0832	0.1361	-0.6098	0.0670	-0.0121	0.0019	-0.0581	-0.0486	0.0348
SOQ1d	-0.0120	0.0091	0.6961	-0.0485	-0.0243	-0.0146	0.0360	0.1337	-0.0462	-0.0895	-0.0091	0.0870
SOQ1e	0.0334	0.0208	0.5494	-0.0643	0.0298	0.0157	-0.0443	0.2630	-0.0436	-0.0119	0.0305	0.0360
SOQ2a	0.0018	0.0440	0.0135	0.0889	-0.2087	0.7247	-0.0003	0.1974	0.0280	-0.0157	0.0010	0.0115
SOQ2b	-0.0047	0.0911	0.0869	0.0034	0.1760	0.2502	-0.0005	0.7067	0.0487	0.0349	-0.0185	0.0280
SOQ2c	0.0415	0.0029	0.0647	0.0462	0.1657	-0.6715	0.1045	0.2800	0.0292	-0.0166	0.0106	-0.0375
SOQ2d	0.0454	0.0131	0.1091	-0.0795	-0.0808	-0.1486	0.0418	0.7553	0.0006	0.0045	0.0144	0.0518
SOQ2e	0.0569	0.0382	0.0437	-0.0947	-0.0356	-0.0824	-0.0388	0.7600	0.0074	0.0775	0.0583	-0.0042
SOQ3a	0.0612	-0.0257	0.4447	0.0207	-0.1663	0.6715	0.0003	-0.0949	0.0251	0.0120	0.0057	-0.0117
SOQ3b	0.0037	0.0271	0.8881	-0.0267	0.0922	0.1389	-0.0107	-0.0147	0.0283	0.0497	0.0031	-0.0116
SOQ3c	0.0098	-0.0208	0.5939	0.0833	0.1182	-0.5990	0.0474	-0.0934	0.0242	-0.0167	-0.0121	-0.0220
SOQ3d	-0.0065	0.0063	0.8938	-0.0648	-0.0508	-0.0363	0.0211	0.0143	0.0111	-0.0021	0.0148	0.0101
SOQ3e	0.0115	0.0331	0.7756	-0.0748	-0.0221	-0.0340	-0.0465	0.1397	-0.0187	0.0489	0.0778	-0.0414
MSPD1a	0.0662	0.0335	-0.0093	-0.0410	0.0339	-0.0197	0.7086	-0.0072	-0.0209	-0.0206	-0.0158	-0.0757
MSPD1b	0.1721	0.0166	0.0115	-0.0872	-0.0082	0.0246	0.0384	0.1150	0.0290	0.5209	-0.0171	-0.0470
MSPD1c	0.6408	0.0102	0.0012	-0.0140	0.0311	0.0185	-0.0416	0.0297	0.0924	0.1240	0.1584	-0.1206
MSPD1d	0.6920	-0.0207	-0.0130	0.0050	-0.0027	0.0047	0.0297	-0.0369	0.1129	0.0299	0.0839	-0.0863
MSPD1e	0.7311	0.0291	-0.0088	0.0079	0.0190	0.0155	0.0674	0.0460	0.0761	0.0018	0.0310	-0.0667
MSPD2a	0.0176	-0.0103	0.0031	-0.0334	0.0383	0.0326	0.7698	-0.0050	0.0198	-0.0758	0.0039	-0.0414
MSPD2b	0.2535	0.0391	0.0233	-0.0420	0.0008	-0.0006	-0.0562	0.0522	0.0363	0.6435	0.0064	0.0032
MSPD2c	0.7596	0.0193	0.0211	-0.0437	0.0131	0.0223	-0.0950	0.0189	-0.0247	0.1138	0.0593	0.0239
MSPD2d	0.8329	0.0202	0.0143	-0.0426	-0.0112	0.0133	-0.0416	-0.0347	-0.0179	0.0534	0.0247	0.0178
MSPD2e	0.8305	0.0321	0.0155	-0.0160	-0.0299	-0.0066	-0.0055	0.0331	-0.0165	-0.0015	0.0089	0.0424
MSPD3a	0.0340	-0.0225	-0.0320	0.0176	-0.0162	-0.0154	0.7990	0.0230	-0.0051	-0.0194	-0.0699	-0.0515
MSPD3b	0.3169	0.0383	0.0218	0.0474	-0.0170	-0.0359	-0.0208	0.0096	-0.0127	0.6197	0.0543	0.0246
MSPD3c	0.7074	-0.0088	-0.0112	-0.0071	0.0179	-0.0069	-0.0806	0.0422	0.0507	0.1047	0.0331	0.0982
MSPD3d	0.7579	0.0167	-0.0254	-0.0053	-0.0145	-0.0287	-0.0185	0.0062	0.0613	-0.0162	-0.0138	0.1313
MSPD3e	0.7617	0.0331	-0.0169	0.0152	-0.0263	-0.0072	0.0119	0.0485	0.0398	-0.0524	0.0046	0.1256

MSPD4a	0.0793	-0.0222	0.0018	0.0107	0.0085	0.0054	0.7576	0.0127	-0.0024	0.0262	-0.0658	-0.0566
MSPD4b	0.1988	0.0842	-0.0058	-0.0445	-0.0108	0.0232	0.0435	0.1053	0.0165	0.5813	0.0356	0.0792
MSPD4c	0.5951	0.0552	-0.0011	-0.0471	0.0250	0.0309	-0.0392	0.0290	0.0170	0.1702	0.0554	0.1443
MSPD4d	0.6271	0.0522	-0.0158	-0.0650	0.0109	0.0146	-0.0182	0.0074	0.0131	0.1265	0.0579	0.1496
MSPD4e	0.6921	0.0640	-0.0163	-0.0321	-0.0021	0.0127	-0.0003	0.0744	0.0041	0.0578	-0.0269	0.1407
MSPD5a	0.0859	-0.0290	-0.0297	-0.0424	0.0703	0.0200	0.7408	-0.0317	-0.0342	0.0877	0.0730	-0.0335
MSPD5b	0.1961	0.1074	0.0387	-0.0066	-0.0401	-0.0347	0.1657	0.0403	0.0268	0.5480	-0.0609	0.0162
MSPD5c	0.6673	0.0233	0.0126	-0.0149	0.0144	-0.0209	0.0312	-0.0177	0.0540	0.0306	0.1653	0.0574
MSPD5d	0.6836	0.0489	0.0082	-0.0036	0.0052	-0.0352	0.0526	-0.0527	0.0698	-0.0301	0.1168	0.1024
MSPD5e	0.7285	0.0481	0.0106	0.0305	-0.0038	-0.0242	0.0925	0.0127	0.0451	-0.0634	0.0661	0.1175
MSPD6a	-0.1917	-0.0042	0.0142	-0.0312	-0.0156	-0.0146	0.7371	-0.0141	0.0334	-0.0021	-0.0955	0.1770
MSPD6b	-0.1356	0.0642	0.0072	-0.0308	0.0048	-0.0017	0.0476	-0.0096	0.0323	0.6074	0.0221	0.4501
MSPD6c	0.1310	0.0234	-0.0025	-0.0254	0.0202	0.0153	-0.0725	0.0210	0.0456	0.0856	0.0997	0.7414
MSPD6d	0.1538	0.0316	-0.0075	-0.0167	0.0131	-0.0012	-0.0321	-0.0027	0.0538	0.0014	0.0785	0.7842
MSPD6e	0.2144	0.0558	0.0090	-0.0024	0.0142	0.0130	0.0061	0.0413	0.0498	-0.0318	0.0329	0.7126
MSPD7a	-0.0250	0.1141	0.0273	-0.0164	0.0796	0.0356	0.5317	0.0263	-0.0390	0.0937	0.1177	0.0107
MSPD7b	0.0321	0.0152	-0.0067	-0.0517	-0.0464	-0.0389	0.0986	0.0415	0.1623	0.5009	-0.0544	0.0517
MSPD7c	0.3501	0.0119	0.0110	-0.0596	0.0361	0.0224	-0.0398	0.0231	0.1622	0.0886	0.2695	0.1325
MSPD7d	0.3975	-0.0077	-0.0085	-0.0201	0.0092	0.0206	0.0254	-0.0276	0.1825	0.0251	0.2010	0.2023
MSPD7e	0.4550	0.0132	0.0125	-0.0181	0.0120	0.0254	0.0389	0.0085	0.1879	-0.0064	0.1289	0.1530
MSPD8a	-0.0969	0.1191	-0.0055	-0.0306	0.0191	-0.0027	0.5387	-0.0352	0.0798	0.1306	0.0632	0.0260
MSPD8b	-0.1167	0.1178	-0.0196	-0.0040	-0.0299	-0.0237	0.1300	0.0177	0.4545	0.4546	-0.0356	0.0262
MSPD8c	-0.0265	0.0045	0.0010	-0.0194	0.0040	-0.0070	-0.0429	-0.0109	0.9477	0.0176	0.0441	-0.0150
MSPD8d	-0.0009	-0.0047	-0.0105	0.0116	0.0065	0.0042	-0.0020	-0.0180	0.9669	-0.0214	0.0256	0.0204
MSPD8e	0.0747	-0.0007	-0.0068	0.0020	-0.0287	-0.0022	0.0131	0.0158	0.9038	-0.0327	0.0057	0.0050
MSPD9a	-0.1579	0.1103	0.0122	0.0587	-0.0279	0.0458	0.5520	-0.0368	-0.0992	0.0864	0.2996	0.0032
MSPD9b	-0.0911	0.1196	0.0455	0.0172	-0.0274	-0.0234	0.0612	0.0292	0.0174	0.5070	0.3956	0.0245
MSPD9c	0.0476	-0.0017	0.0049	-0.0127	0.0265	0.0074	-0.0425	0.0086	0.0894	0.0296	0.8572	0.0364
MSPD9d	0.0720	0.0162	-0.0002	0.0068	0.0004	-0.0025	0.0068	-0.0201	0.0855	-0.0389	0.8453	0.0650
MSPD9e	0.1913	0.0473	0.0099	0.0348	-0.0197	-0.0005	0.0151	0.0392	0.0700	-0.0634	0.7043	0.0512
MSPD10a	0.0038	0.7875	-0.0158	-0.0163	0.0014	0.0084	0.0481	-0.0194	-0.0141	0.0430	0.0699	0.0274

MSPD10b	-0.0193	0.8183	-0.0191	0.0427	-0.0693	0.0148	0.0457	-0.0347	-0.0211	0.0393	0.0971	0.0086
MSPD10c	-0.0269	0.7106	0.0252	0.0335	-0.1496	-0.0331	0.0511	-0.0123	-0.0089	-0.0102	0.0174	0.0353
MSPD10d	0.0023	0.7364	-0.0044	0.0609	-0.1068	0.0032	0.0101	0.0401	-0.0399	0.0593	-0.0260	0.0308
MSPD10e	-0.0283	0.6109	0.0205	0.0108	-0.0865	-0.0361	0.0456	0.0468	-0.0052	0.0239	0.0039	0.0562
MSPD10f	0.0404	0.8426	-0.0221	-0.0306	0.0512	0.0085	0.0683	0.0025	0.0021	-0.0514	-0.0344	-0.0095
MSPD10g	-0.0140	0.6754	0.0396	0.0296	-0.1193	-0.0481	0.0366	-0.0072	-0.0710	0.0198	-0.0726	0.0649
MSPD10h	0.0036	0.7907	0.0182	-0.0702	0.0285	0.0031	-0.0082	-0.0093	0.0360	0.0334	0.0321	0.0022
MSPD10i	0.0155	0.8353	0.0089	-0.0155	0.0235	0.0136	-0.0288	0.0042	0.0028	0.0345	0.0493	0.0043
MSPD10j	0.0077	0.8121	0.0066	-0.0437	0.1212	-0.0270	0.0002	-0.0059	0.0482	-0.0076	-0.0353	-0.0150
MIQ11	-0.0032	-0.0436	0.0190	0.6905	-0.0064	-0.0236	-0.0457	0.0277	-0.0150	0.0238	-0.0021	0.0318
MIQ12	-0.0083	0.0532	-0.0121	0.0032	-0.8059	0.0354	-0.0729	0.0637	0.0264	0.0184	0.0135	0.0075
MIQ13	-0.0195	0.0019	0.0012	0.0285	0.8380	-0.0483	0.0307	0.1021	-0.0015	-0.0198	0.0259	0.0078
TCS6	-0.0109	0.0175	-0.0621	0.7781	0.1002	0.0725	-0.0031	-0.1181	0.0113	0.0077	-0.0153	-0.0344
TCS7	0.0134	0.0181	-0.0197	0.0677	-0.7956	0.1145	0.0046	-0.0176	-0.0172	0.0289	-0.0025	-0.0346
TCS8	-0.0118	-0.0346	0.0006	0.0804	0.8076	-0.0461	0.1178	-0.0065	0.0256	-0.0190	-0.0488	-0.0089
OSRI19	0.0522	0.0597	-0.0423	0.1678	0.0433	-0.0407	0.0944	0.0495	0.0101	-0.0471	-0.1099	0.0143
OSRI20	-0.0135	-0.0545	-0.0041	0.4713	-0.0189	0.0283	0.1238	-0.2468	-0.0051	-0.0832	-0.0055	-0.0393
SOQ4a	0.0095	-0.0176	0.5863	0.0922	0.0862	-0.6109	0.0363	-0.0813	0.0273	-0.0174	-0.0294	-0.0033
SOQ4b	0.0624	-0.0245	0.4338	0.0206	-0.1583	0.6607	0.0237	-0.0754	0.0307	0.0030	-0.0188	-0.0063
SOQ4c	-0.0057	0.0122	0.9004	-0.0530	-0.0759	-0.0465	0.0223	0.0352	0.0136	-0.0170	-0.0020	0.0232
SOQ4d	0.0143	0.0364	0.8895	-0.0257	0.0829	0.1423	-0.0089	0.0015	0.0294	0.0352	-0.0228	-0.0019
SOQ4e	-0.0006	0.0362	0.7722	-0.0862	-0.037	-0.0414	-0.0441	0.1537	-0.0067	0.0419	0.0585	-0.0203
SOQ5a	0.0570	0.0090	0.0590	0.0632	0.1606	-0.6768	0.0655	0.2421	0.0440	-0.0160	0.0099	-0.0435
SOQ5b	0.0045	0.0121	0.0257	0.0674	-0.1868	0.7340	-0.0120	0.1938	0.0217	-0.0384	0.0158	0.0039
SOQ5c	0.0536	-0.0014	0.0904	-0.1339	-0.1000	-0.1835	0.0113	0.7179	0.0049	-0.0068	0.0304	0.0578
SOQ5d	0.0244	0.0756	0.0703	-0.0455	0.2045	0.2977	-0.0213	0.6814	0.0366	0.0476	-0.0233	0.0473
SOQ5e	0.0425	0.0184	0.0362	-0.1301	0.0157	-0.0239	-0.0782	0.7538	-0.0178	0.0837	0.0561	0.0255
MSPD10k	0.0185	0.9121	0.0105	-0.0307	0.0169	-0.0005	-0.0624	0.0117	0.0263	-0.0324	-0.0210	-0.0352
MSPD10l	0.0262	0.9554	0.0158	0.0003	0.0146	-0.0149	-0.0599	-0.0231	0.0224	-0.0509	-0.0392	-0.0191

Table SF97: EFA for Total Sample (Including Supplementary Items): 12 Factors Using Oblimin Rotation.

	F1	F2	F3	F4	F5	F6	F7	F8
MIQ1	0.0156	-0.0455	-0.0396	0.5941	0.0059	-0.0914	-0.0084	0.1695
MIQ3	-0.0773	0.0379	-0.0106	0.0917	-0.6640	0.0245	0.0255	0.1183
MIQ4	0.1185	0.0049	-0.0001	0.0747	0.6516	-0.0110	-0.0091	-0.0066
MIQ5	0.0051	0.0072	0.0054	-0.0067	0.8482	0.0081	-0.0695	0.0889
MIQ6	-0.0383	0.0779	-0.0691	-0.4024	-0.0303	0.0306	-0.0542	0.2485
MIQ7	0.0286	0.0796	-0.0928	-0.4243	-0.0307	-0.0315	-0.0561	0.3177
MIQ9	0.0814	0.1045	0.0456	-0.5033	0.1104	-0.0041	0.0742	0.1905
MIQ10	0.0484	0.1662	0.0867	-0.4331	0.2001	-0.0220	0.0849	0.1984
TCS1	-0.0430	0.0151	-0.0839	0.7504	0.1080	0.0127	0.0699	-0.0881
TCS2	-0.0880	0.0016	-0.0545	0.8449	0.0352	-0.0169	0.0014	-0.0065
TCS3	-0.0292	-0.0683	-0.0292	0.8000	-0.0808	0.0265	-0.0181	-0.0556
TCS4	0.0254	-0.0488	0.0201	0.7877	-0.0904	-0.0080	-0.0578	0.1396
TCS5	0.1293	0.0326	0.0300	0.7218	0.0164	-0.0835	-0.0066	0.0743
OSRI1	-0.0177	0.0852	-0.0597	-0.0105	0.1652	0.1501	-0.0089	0.0821
OSRI2	0.0349	0.1333	-0.0491	0.1326	-0.0584	0.0048	0.1029	0.2473
OSRI3	0.2189	0.0287	0.0974	-0.1514	-0.0246	0.0402	0.0357	0.0715
OSRI4	0.0623	0.0977	0.0111	0.0013	-0.0839	0.0560	0.0014	0.0477
OSRI5	-0.1899	-0.0522	0.0403	0.0499	0.1838	0.0526	-0.0405	-0.1338
OSRI6	-0.0110	0.0770	-0.0329	0.0188	0.1581	0.1640	-0.0992	0.1317
OSRI7	-0.0087	0.1452	-0.0889	0.1224	-0.1720	-0.0359	0.1087	0.1466
OSRI8	-0.1600	0.1208	-0.0492	0.0298	0.1643	0.0888	-0.1056	-0.0371
OSRI9	0.0738	0.1145	0.0056	-0.1098	-0.1258	0.0744	-0.0009	0.1268
OSRI10	-0.0445	0.0209	0.0572	-0.0959	0.0948	0.1852	0.0206	0.0004
OSRI11	0.0198	0.1090	0.0675	-0.0213	-0.1128	0.1255	0.0374	0.1744
OSRI12	0.0830	0.0939	-0.0732	0.0466	-0.1439	-0.0022	0.1211	0.1473
OSRI13	0.0005	0.0522	-0.0530	0.0569	0.2801	0.1154	-0.1107	0.1001
OSRI14	-0.0144	0.1185	-0.0725	0.1835	-0.1112	0.0698	0.0592	0.1125
OSRI15	-0.0431	0.0848	-0.0397	0.0051	0.1852	0.1991	-0.1145	0.0890
OSRI16	-0.0143	0.1278	-0.0874	0.1750	-0.2297	0.0421	0.0950	0.1811
OSRI17	-0.0470	0.0399	-0.0017	0.0361	0.1290	0.1503	-0.0967	-0.0017
OSRI18	0.0790	0.1071	-0.0331	0.0364	-0.1499	0.0233	0.0432	0.2890
SOQ1a	0.0286	-0.0153	0.2762	0.0577	-0.1220	-0.0034	0.7429	-0.0372
SOQ1b	-0.0272	0.0213	0.6674	-0.0175	0.1667	0.0023	0.2253	0.1111
SOQ1c	-0.0047	-0.0467	0.3972	0.0804	0.1454	0.0492	-0.6029	-0.0319
SOQ1d	-0.0447	0.0080	0.7042	-0.0519	-0.0078	-0.0055	-0.0057	0.1169
SOQ1e	0.0228	0.0199	0.5525	-0.0635	0.0308	-0.0614	0.0140	0.2719
SOQ2a	-0.0020	0.0437	0.0098	0.0863	-0.1941	-0.0123	0.7309	0.1930
SOQ2b	-0.0046	0.0982	0.0962	-0.0001	0.1908	-0.0005	0.2507	0.7178
SOQ2c	0.0204	0.0006	0.0858	0.0479	0.1865	0.0935	-0.6646	0.2598
SOQ2d	0.0408	0.0175	0.1305	-0.0802	-0.0529	0.0157	-0.1435	0.7442
SOQ2e	0.0805	0.0446	0.0574	-0.0900	-0.0261	-0.0369	-0.0859	0.7762
SOQ3a	0.0705	-0.0322	0.4338	0.0163	-0.1689	0.0080	0.6824	-0.0942
SOQ3b	0.0269	0.0296	0.8821	-0.0279	0.0759	0.0134	0.1444	-0.0011
SOQ3c	0.0002	-0.0228	0.6052	0.0847	0.1178	0.0507	-0.5912	-0.1069
SOQ3d	0.0044	0.0089	0.8973	-0.0631	-0.0523	0.0210	-0.0265	0.0097
SOQ3e	0.0296	0.0360	0.7753	-0.0684	-0.0335	-0.0353	-0.0339	0.1551
MSPD1a	-0.0512	0.0098	-0.0009	-0.0453	0.0497	0.6910	-0.0223	-0.0288
MSPD1b	0.3469	0.0363	-0.0186	-0.0941	-0.1068	0.1965	0.0036	0.2230

MSPD1c	0.7751	-0.0253	-0.0002	-0.0114	0.0188	-0.0172	0.0078	0.0302
MSPD1d	0.7692	-0.0674	-0.0081	0.0020	0.0035	0.0228	0.0002	-0.0577
MSPD1e	0.7424	-0.0244	-0.0012	-0.0048	0.0301	0.0412	0.0082	0.0183
MSPD2a	-0.0623	-0.0267	0.0162	-0.0311	0.0743	0.7290	0.0371	-0.044
MSPD2b	0.5426	0.0665	-0.0172	-0.0479	-0.1233	0.1398	-0.0241	0.1863
MSPD2c	0.8413	-0.0310	0.0121	-0.0547	-0.0225	-0.0826	-0.0016	0.0432
MSPD2d	0.8632	-0.0407	0.0095	-0.058	-0.0340	-0.0528	-0.008	-0.0257
MSPD2e	0.8389	-0.0299	0.0169	-0.0342	-0.035	-0.0421	-0.0234	0.0241
MSPD3a	-0.1005	-0.0421	-0.0215	0.0115	0.0047	0.7717	-0.0159	-0.0010
MSPD3b	0.6177	0.0573	-0.0197	0.0402	-0.1387	0.1574	-0.0616	0.1398
MSPD3c	0.8714	-0.0505	-0.0164	-0.0157	-0.0081	-0.0668	-0.0218	0.0555
MSPD3d	0.8647	-0.0366	-0.0219	-0.0172	-0.0156	-0.0468	-0.0376	-0.0079
MSPD3e	0.8463	-0.0213	-0.0102	0.0009	-0.0142	-0.0387	-0.0143	0.0196
MSPD4a	-0.0327	-0.0448	0.0079	0.0029	0.01492	0.7502	0.0008	0.0012
MSPD4b	0.5223	0.1111	-0.0420	-0.0451	-0.1235	0.2127	-0.0015	0.2273
MSPD4c	0.8177	0.0242	-0.0135	-0.0502	-0.0201	-0.0019	0.0107	0.0631
MSPD4d	0.8348	0.0160	-0.0253	-0.0687	-0.0250	0.0024	-0.0044	0.0305
MSPD4e	0.7920	0.0159	-0.0193	-0.0471	-0.0222	-0.0109	-0.0045	0.0807
MSPD5a	0.1046	-0.0445	-0.0312	-0.0389	0.0666	0.7524	0.0127	-0.0310
MSPD5b	0.3962	0.1254	0.0063	-0.0176	-0.1431	0.3242	-0.0539	0.1500
MSPD5c	0.8755	-0.0174	0.0136	-0.0105	0.0164	0.0146	-0.0286	-0.0352
MSPD5d	0.8729	0.0040	0.0129	-0.0018	0.0185	0.0161	-0.0386	-0.0824
MSPD5e	0.8548	-0.0037	0.0186	0.0228	0.0168	0.0359	-0.0281	-0.0263
MSPD6a	-0.1460	0.0075	0.0204	-0.0264	-0.0016	0.7262	-0.0058	-0.0260
MSPD6b	0.4698	0.1387	-0.0376	-0.0159	-0.1133	0.2294	-0.0110	0.1285
MSPD6c	0.7876	0.0586	-0.0158	0.0006	-0.0054	-0.0530	0.0217	0.0505
MSPD6d	0.7928	0.0611	-0.0153	0.0086	0.0051	-0.0427	0.0101	0.0096
MSPD6e	0.7516	0.0745	0.0057	0.0128	0.0177	-0.0239	0.0246	0.0376
MSPD7a	0.0608	0.1148	0.0231	-0.0053	0.0721	0.5518	0.0300	0.0378
MSPD7b	0.3397	0.0550	-0.0310	-0.0475	-0.1237	0.2588	-0.0398	0.1274
MSPD7c	0.7910	0.0173	0.0113	-0.0290	0.0488	-0.0210	0.0341	0.0044
MSPD7d	0.8231	-0.0095	-0.0044	0.0058	0.0332	0.0216	0.0368	-0.0600
MSPD7e	0.7805	0.0020	0.0209	-0.0033	0.0451	0.0200	0.0424	-0.0366
MSPD8a	0.0538	0.1342	-0.0076	-0.0165	0.0154	0.5824	0.0043	-0.0282
MSPD8b	0.3466	0.1828	-0.0290	0.0181	-0.0692	0.3033	0.0020	0.0639
MSPD8c	0.5957	0.0689	0.0390	0.0369	0.0898	0.0329	0.0645	-0.1077
MSPD8d	0.6241	0.0574	0.0304	0.0657	0.1007	0.0577	0.0774	-0.1237
MSPD8e	0.6276	0.0514	0.0344	0.0482	0.0677	0.0574	0.0682	-0.0931
MSPD9a	0.0175	0.1283	0.0053	0.0842	-0.0224	0.5503	0.0435	-0.0332
MSPD9b	0.4332	0.1804	0.0132	0.0519	-0.0955	0.1996	-0.0296	0.1164
MSPD9c	0.7633	0.0442	0.0060	0.0653	0.0742	-0.0593	0.0221	-0.0312
MSPD9d	0.7665	0.0563	0.0048	0.0832	0.0640	-0.0389	0.0162	-0.0743
MSPD9e	0.7510	0.0701	0.0183	0.0930	0.04590	-0.0448	0.0162	-0.0229
MSPD10a	0.0723	0.7964	-0.0192	-0.0116	-0.0056	0.0574	0.0038	-0.0108
MSPD10b	0.0493	0.8292	-0.0221	0.0491	-0.0729	0.0511	0.0119	-0.0297
MSPD10c	-0.0128	0.7182	0.0279	0.0343	-0.1435	0.0402	-0.0303	-0.0194
MSPD10d	-0.0099	0.7406	-0.0080	0.0542	-0.1221	0.0214	-0.0027	0.0567
MSPD10e	0.0067	0.6196	0.0215	0.0106	-0.0886	0.0473	-0.0359	0.0501
MSPD10f	-0.0259	0.8367	-0.0172	-0.0383	0.0609	0.0497	0.0061	-0.0098

MSPD10g	-0.0698	0.6760	0.0372	0.0180	-0.1316	0.0337	-0.0527	0.0045
MSPD10h	0.0557	0.8011	0.0181	-0.0690	0.0280	0.0031	0.0041	-0.0089
MSPD10i	0.0617	0.8441	0.0072	-0.0144	0.0203	-0.0215	0.0112	0.0078
MSPD10j	-0.0089	0.8161	0.0099	-0.0489	0.1268	0.0023	-0.0256	-0.0130
MIQ11	0.0211	-0.0439	0.0161	0.6929	-0.0172	-0.0400	-0.0258	0.0408
MIQ12	0.0146	0.0614	-0.0052	0.0122	-0.7937	-0.0795	0.0497	0.0528
MIQ13	0.0033	0.0021	-0.0015	0.0258	0.8361	0.0335	-0.0595	0.1111
TCS6	-0.0240	0.0116	-0.0676	0.7752	0.0897	0.0092	0.0702	-0.1122
TCS7	-0.0266	0.0168	-0.0176	0.0698	-0.7920	0.0008	0.1240	-0.0229
TCS8	-0.0354	-0.0409	-0.0023	0.0713	0.8011	0.1303	-0.0556	-0.0000
OSRI19	-0.0391	0.0455	-0.0368	0.1554	0.0501	0.0843	-0.0390	0.0408
OSRI20	-0.0708	-0.0672	-0.0032	0.4686	-0.0085	0.1060	0.0335	-0.2693
SOQ4a	0.0003	-0.0181	0.5984	0.0925	0.0869	0.03840	-0.6015	-0.0952
SOQ4b	0.0553	-0.0319	0.4247	0.0138	-0.1575	0.0282	0.6730	-0.0779
SOQ4c	-0.0047	0.0150	0.9060	-0.0530	-0.0726	0.0158	-0.0344	0.0259
SOQ4d	0.0180	0.0374	0.8850	-0.0298	0.0702	0.0091	0.1491	0.0117
SOQ4e	0.0208	0.0414	0.7734	-0.0807	-0.0459	-0.0349	-0.0389	0.1664
SOQ5a	0.0436	0.0063	0.0795	0.0654	0.1798	0.0576	-0.6698	0.2225
SOQ5b	-0.0070	0.0100	0.0225	0.0658	-0.1687	-0.0315	0.7395	0.1869
SOQ5c	0.0656	0.0030	0.1119	-0.1318	-0.0715	-0.0177	-0.1787	0.7065
SOQ5d	0.0350	0.0799	0.0757	-0.0493	0.2109	-0.0165	0.2937	0.7022
SOQ5e	0.0738	0.0255	0.0454	-0.1260	0.0176	-0.0738	-0.0313	0.7813
MSPD10k	-0.0300	0.9125	0.0151	-0.0369	0.0258	-0.0714	0.0001	0.0017
MSPD10l	-0.0324	0.9530	0.0209	-0.0076	0.0241	-0.0736	-0.0141	-0.0359

Table SF98: EFA for Total Sample (Including Supplementary Items): 8 Factors Using Oblimin Rotation.

Based on the EFA results for the entire dataset over the entire sample in Table SF94, we checked the loadings of the data and identified that three factors have very similar items. We hierarchically reduced the number of factors to check whether the items of the factors load on the same factor when we have fewer factors.

We performed a hierarchical reduction of factors to assess whether we could consolidate them and refine the construct of the EFA while preserving the same information. This approach aimed to address the overlap among some factors measuring similar constructs, such as Factors 11, 12, and 13. In our EFA analysis, reducing the number of factors to n=12 revealed constructs similar to those with n=13. However, with n=11, items MSPD8c-e and MSPD9c-e loaded onto separate factors. A further reduction to n=8 showed that BGD and SGD items measuring discrimination against women merged with those measuring discrimination against non-cisgender individuals, resulting in a conflation of gender identity and discrimination.

Factor 1 (Blatant and Subtle Group Discrimination against women and non-cisgender individuals)
MSPD1b: In society, women are visibly rejected.
MSPD1c: In society, transwomen are visibly rejected.
MSPD1d: In society, transmen are visibly rejected.
MSPD1e:In society, non-binary individuals are visibly rejected.
MSPD2b: Society treats women unfairly.
MSPD2c: Society treats transwomen unfairly.
MSPD2d: Society treats transmen unfairly.
MSPD2e: Society treats non-binary individuals unfairly.

MSPD3b: Women suffer from occupational discrimination.
MSPD3c: Transwomen suffer from occupational discrimination.
MSPD3d: Transmen suffer from occupational discrimination.
MSPD3e: Non-binary individuals suffer from occupational discrimination.
MSPD4b: Women suffer from discrimination in the health sphere.
MSPD4c: Transwomen suffer from discrimination in the health sphere.
MSPD4d: Transmen suffer from discrimination in the health sphere.
MSPD4e: Non-binary individuals suffer from discrimination in the health sphere.
MSPD5b: Women suffer from rejection in their daily social relations.
MSPD5c: Transwomen suffer from rejection in their daily social relations.
MSPD5d: Transmen suffer from rejection in their daily social relations.
MSPD5e: Non-binary individuals suffer from rejection in their daily social relations.
MSPD6b: Women suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.).
MSPD6c: Transwomen suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.).
MSPD6d: Transmen suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.).
MSPD6e: Non-binary individuals suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.).
MSPD7b: Society mistrusts women.
MSPD7c: Society mistrusts transwomen.
MSPD7d: Society mistrusts transmen.
MSPD7e: Society mistrusts non-binary individuals.
MSPD8b: Even when people seem to accept women, I think that, deep down, they have some misgivings.
MSPD8c: Even when people seem to accept transwomen, I think that, deep down, they have some misgivings.
MSPD8d: Even when people seem to accept transmen, I think that, deep down, they have some misgivings.
MSPD8e: Even when people seem to accept non-binary individuals, I think that, deep down, they have some misgivings.
MSPD9c: Even though there is no express rejection, people treat transwomen differently.
MSPD9b: Even though there is no express rejection, people treat women differently.
MSPD9c: Even though there is no express rejection, people treat transwomen differently.
MSPD9d: Even though there is no express rejection, people treat transmen differently.
MSPD9e: Even though there is no express rejection, people treat non-binary individuals differently.

Factor 2 (Blatant and Subtle Individual Discrimination)
MSPD10a: I have felt personally rejected for being a (gender).
MSPD10b: I have been treated unfairly for being a (gender).
MSPD10c: I have been discriminated at work for being a (gender).
MSPD10d: I have been discriminated in the health sphere for being a (gender).
MSPD10e: I have been discriminated in the legal sphere for being a (gender).
MSPD10f: I have been rejected in my daily social relations for being a (gender).
MSPD10g: I have been the target of discriminatory actions by some private institutions (e.g., banks, insurance companies, etc.) for being a (gender).
MSPD10h: Even when people seem to accept me, deep down, I think they have some misgivings because I am a (gender).
MSPD10i: Even though there is no express rejection, people treat me differently when they see I am a (gender).
MSPD10j: I feel that people mistrust me for being a (gender).
MSPD10k: I feel discriminated by others based on my gender.
MSPD10l: If I think about how I am perceived by others, others discriminate against me because I am a (gender).

Factor 3 (Sexual relationships with women and non-cisgender individuals)

SOQ1b: In the past 12 months, has/have your romantic relationship(s) been with transmen?
SOQ1c: In the past 12 months, has/have your romantic relationship(s) been with women?
SOQ1d: In the past 12 months, has/have your romantic relationship(s) been with transwomen?
SOQ1e: In the past 12 months, has/have your romantic relationship(s) been with non-binary individuals?
SOQ3b: In the past 12 months, when you had sex, was it with transmen?
SOQ3c: In the past 12 months, when you had sex, was it with women?
SOQ3d: In the past 12 months, when you had sex, was it with transwomen?
SOQ3e: In the past 12 months, when you had sex, was it with non-binary individuals?
SOQ4a: Over the past 12 months, have you had sexual activities with women?
SOQ4c: Over the past 12 months, have you had sexual activities with transwomen?
SOQ4d: Over the past 12 months, have you had sexual activities with transmen?
SOQ4e: Over the past 12 months, have you had sexual activities with non-binary individuals?

Factor 4 (Satisfaction with gender identity and appearance)
MIQ1: In the past 12 months, have you felt satisfied being a woman?
MIQ11: In the past 12 months, have you felt contentment with your own gender?
TCS1: My outward appearance represents my gender identity.
TCS2: I am happy with the way my appearance expresses my gender identity.
TCS3: I feel that my mind and body are consistent with one another.
TCS4: I am happy that I have the gender identity that I do.
TCS5: I have accepted my gender identity.
TCS6: My external gender identity (e.g., my body, outward appearance, or how I dress) represents my gender identity.
OSRI20: My gender identity matches contemporary gender stereotypes assigned by friends, family, co-workers, and others, as well as those imposed by political, educational, media, medical, cultural and social institutions.

Factor 5 (Feeling as a man and external representation like a man)
MIQ4: In the past 12 months, have you worn the clothes typically associated with males, such as pants or suits?
MIQ5: In the past 12 months, have you felt more like a man than like a woman?
MIQ13: If you think about the self-perception of your gender, how much do you feel as a man?
TCS8: If I think about the external representation of my gender, I feel like a man.

Factor 6 (Blatant and Subtle Group Discrimination against men)
MSPD1a: In society, men are visibly rejected.
MSPD2a: Society treats men unfairly.
MSPD3a: Men suffer from occupational discrimination.
MSPD4a: Men suffer from discrimination in the health sphere.
MSPD5a: Men suffer from rejection in their daily social relations.
MSPD6a: Men suffer from discrimination by some private institutions (e.g., banks, insurance companies, etc.).
MSPD7a: Society mistrusts men.
MSPD8a: Even when people seem to accept men, I think that, deep down, they have some misgivings.
MSPD9a: Even though there is no express rejection, people treat men differently.

Factor 7 (Sexual relationships with men)
SOQ1a: In the past 12 months, has/have your romantic relationship(s) been with men?
SOQ2a: In the past 12 months, when you felt sexually attracted, was this to men?
SOQ3a: In the past 12 months, when you had sex, was it with men?
SOQ4b: Over the past 12 months, have you had sexual activities with men?
SOQ5b: If you think about your sexual behavior, how much do you feel attracted to men?

Factor 8 (Feeling as both men and women, and Sexual attraction to non-cisgender individuals)
MIQ7: In the past 12 months, have you felt somewhere in between a woman and a man?

SOQ2b: In the past 12 months, when you felt sexually attracted, was this to transmen?
SOQ2d: In the past 12 months, when you felt sexually attracted, was this to transwomen?
SOQ2e: In the past 12 months, when you felt sexually attracted, was this to non-binary individuals?
SOQ5c: If you think about your sexual behavior, how much do you feel attracted to transwomen?
SOQ5d:If you think about your sexual behavior, how much do you feel attracted to transmen?
SOQ5e: If you think about your sexual behavior, how much do you feel attracted to non-binary individuals?

5.7. Exploratory Factor Analysis - All Items - Cisgender

We conducted EFA for the cisgender individuals, Tables SF100 (how participants registered on Prolific.com) and SF102 (when individuals selected female (male) as sex and woman (man) as their gender) on the full dataset.

Factor	Eigenvalue	VAR	CUM
1	8.2672	0.0683	0.0683
2	7.5724	0.0626	0.1309
3	6.2929	0.0520	0.1829
4	5.6638	0.0468	0.2297
5	5.6298	0.0465	0.2762
6	5.2731	0.0436	0.3198
7	4.6989	0.0388	0.3587
8	3.9648	0.0328	0.3914
9	3.4471	0.0285	0.4199
10	3.0946	0.0256	0.4455
11	2.8623	0.0237	0.4691
12	2.7426	0.0227	0.4918
13	2.6249	0.0217	0.5135

Table SF99: Factors, Eigenvalues, Variance Explained, and Cumulative Variance for Prolific Cisgender Sample: Including Supplementary Items for 13 Factors (Oblimin Rotation).

Factor	Items
1	MSPD1c-e, MSPD2c-e, MSPD3c-e, MSPD4c-e, MSPD5c-e, MSPD7d-e
2	MSPD10a-l
3	MIQ4, MIQ5, MIQ13, TCS8
4	MIQ1, TCS1-5, MIQ11, TCS6, OSRI20
5	SOQ1c, 2c, 3c, 4a, 5a
6	SOQ3a,b,d,e, SOQ4c-e
7	MSPD1a-9a
8	SOQ2b,d,e, SOQ5c,d,e
9	MSPD1b-9b
10	MSPD8c-e
11	SOQ1a,b,d,e
12	MSPD6c-e
13	MSPD9c-e

Table SF100: Prolific Cisgender Sample: Factor Structure and Items (13 Factors and Oblimin Rotation).

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13
MIQ1	-0.044	-0.086	-0.053	0.590	0.025	-0.070	0.004	-0.005	-0.002	0.003	-0.022	-0.017	0.041
MIQ3	-0.033	0.011	-0.686	0.080	-0.068	-0.100	0.020	0.043	-0.031	0.060	0.034	-0.003	-0.090
MIQ4	0.026	0.041	0.657	0.103	0.065	-0.001	-0.048	0.023	0.077	-0.012	0.033	0.017	0.029
MIQ5	0.023	0.007	0.889	-0.013	0.050	-0.022	0.015	-0.010	-0.035	-0.006	0.033	-0.011	-0.002
MIQ6	-0.043	0.032	0.008	-0.480	0.003	-0.018	0.021	0.110	0.048	-0.006	0.019	0.004	-0.041
MIQ7	-0.042	0.055	0.028	-0.530	-0.025	-0.053	-0.027	0.122	0.056	0.007	0.030	-0.023	-0.012
MIQ9	-0.018	0.021	-0.044	-0.519	-0.061	-0.037	0.027	0.071	0.051	0.109	0.053	-0.006	-0.011
MIQ10	-0.087	0.028	0.050	-0.561	-0.072	-0.019	0.062	0.060	0.018	0.130	0.056	0.029	-0.051
TCS1	-0.003	-0.006	0.126	0.662	-0.076	-0.086	-0.002	-0.035	-0.049	0.069	0.013	-0.003	-0.027
TCS2	-0.021	0.009	0.040	0.805	0.051	-0.048	-0.041	0.084	-0.027	-0.004	-0.010	0.011	-0.069
TCS3	-0.004	-0.029	-0.038	0.763	-0.010	-0.010	0.014	-0.005	0.024	0.004	-0.056	0.036	-0.031
TCS4	0.007	-0.024	-0.096	0.842	0.022	0.023	0.051	0.025	-0.009	0.001	-0.021	-0.024	-0.010
TCS5	-0.015	-0.029	0.011	0.736	-0.036	0.006	-0.013	-0.047	0.055	-0.019	-0.012	-0.014	0.144
OSRI1	0.012	0.084	0.168	-0.065	0.082	-0.151	0.085	0.070	0.015	-0.076	0.096	-0.031	0.088
OSRI2	0.006	0.075	-0.186	0.100	-0.007	-0.030	0.022	0.196	-0.073	-0.017	0.011	0.045	0.024
OSRI3	0.080	0.010	-0.051	-0.150	-0.017	0.111	0.051	0.017	0.066	0.037	-0.001	-0.036	0.131
OSRI4	0.023	0.099	-0.229	-0.012	0.126	-0.019	0.083	0.078	-0.054	0.040	0.020	0.051	0.004
OSRI5	-0.082	-0.013	0.322	0.071	-0.038	-0.014	0.045	-0.058	-0.112	-0.020	0.037	0.092	-0.084
OSRI6	-0.108	0.073	0.173	-0.061	0.144	-0.102	0.072	0.121	0.042	0.063	0.073	0.024	0.033
OSRI7	0.047	0.114	-0.247	0.048	-0.049	-0.134	-0.072	0.111	0.022	0.049	0.059	-0.017	-0.064
OSRI8	-0.153	0.112	0.094	-0.016	0.242	-0.055	-0.055	0.051	-0.015	0.094	-0.061	-0.055	-0.007
OSRI9	0.077	0.098	-0.155	-0.077	0.005	0.010	0.065	0.094	0.079	0.029	0.003	-0.152	0.029
OSRI10	-0.014	0.026	0.118	-0.139	0.020	-0.010	0.105	0.090	0.002	0.008	0.075	-0.057	0.026
OSRI11	0.052	0.126	-0.176	-0.062	0.045	-0.009	0.113	0.110	-0.023	0.031	0.049	-0.081	-0.004
OSRI12	0.062	0.126	-0.209	0.026	-0.059	-0.068	-0.020	0.087	-0.044	0.101	-0.034	0.090	-0.135
OSRI13	0.034	0.053	0.356	-0.029	0.068	-0.096	0.065	0.069	-0.061	0.012	0.041	0.059	-0.046
OSRI14	-0.052	0.063	-0.254	0.126	0.092	-0.038	0.093	0.068	-0.043	0.116	-0.061	0.067	-0.107
OSRI15	-0.016	0.089	0.226	-0.074	0.126	-0.060	0.182	0.113	-0.102	-0.029	0.003	0.064	0.024
OSRI16	0.039	0.141	-0.292	0.125	-0.033	-0.003	-0.015	0.135	-0.056	0.079	-0.068	0.047	-0.132
OSRI17	0.021	0.072	0.155	-0.055	0.160	-0.033	0.070	0.065	-0.052	0.043	-0.005	-0.029	-0.044

OSRI18	0.029	0.025	-0.338	0.048	0.106	-0.088	0.092	0.182	-0.018	0.055	0.051	0.016	-0.051
SOQ1a	-0.018	0.035	-0.086	0.062	-0.788	0.039	-0.057	-0.047	0.012	0.041	0.309	0.027	-0.019
SOQ1b	0.020	-0.007	0.053	-0.014	-0.071	0.063	0.009	0.016	0.005	-0.021	0.930	-0.020	0.009
SOQ1c	0.019	0.053	0.106	0.096	0.727	-0.046	0.040	-0.049	-0.024	0.042	0.395	0.033	-0.062
SOQ1d	-0.018	-0.013	-0.012	-0.054	0.021	0.071	0.000	0.032	-0.010	-0.014	0.893	0.014	0.007
SOQ1e	0.013	-0.005	-0.010	-0.046	0.005	0.095	-0.002	0.068	0.008	-0.006	0.843	-0.001	0.010
SOQ2a	-0.005	0.063	-0.278	0.080	-0.689	0.007	-0.029	0.070	-0.021	-0.011	-0.025	0.032	-0.007
SOQ2b	-0.043	0.074	0.050	0.032	-0.112	0.061	-0.001	0.703	-0.051	-0.033	0.080	0.040	0.010
SOQ2c	-0.031	0.010	0.266	0.034	0.670	0.044	0.037	0.110	0.031	0.022	0.022	-0.037	0.048
SOQ2d	-0.021	-0.062	0.030	-0.011	0.035	0.008	0.021	0.797	0.031	0.040	0.042	0.046	-0.008
SOQ2e	0.002	0.009	-0.015	-0.082	0.047	0.028	-0.030	0.721	0.040	0.012	0.041	-0.006	0.045
SOQ3a	0.024	0.031	-0.083	0.052	-0.785	0.362	-0.055	-0.054	0.021	0.041	0.019	-0.005	0.004
SOQ3b	0.013	0.010	0.060	-0.016	-0.077	0.969	0.019	0.017	0.002	0.005	-0.009	-0.012	-0.000
SOQ3c	-0.002	0.020	0.114	0.116	0.719	0.418	0.012	-0.050	-0.038	0.015	0.006	0.017	-0.018
SOQ3d	-0.007	0.010	0.032	-0.044	-0.015	0.957	-0.000	0.017	-0.012	-0.008	-0.010	0.005	0.015
SOQ3e	0.003	-0.010	-0.030	-0.022	0.011	0.930	0.006	0.021	0.005	-0.011	0.024	-0.009	0.035
MSPD1a	0.073	0.002	0.016	-0.095	0.040	-0.007	0.760	0.009	-0.075	-0.004	0.012	-0.048	-0.012
MSPD1b	0.148	-0.031	-0.069	-0.108	0.011	-0.001	0.067	0.131	0.535	-0.008	-0.017	-0.065	-0.006
MSPD1c	0.670	-0.045	-0.015	0.011	-0.006	-0.005	-0.017	-0.002	0.108	0.112	-0.010	-0.122	0.145
MSPD1d	0.699	-0.042	-0.029	0.013	0.026	0.006	0.016	-0.022	0.036	0.118	-0.014	-0.098	0.118
MSPD1e	0.749	0.009	-0.057	0.012	0.053	-0.047	0.112	0.025	-0.040	0.085	-0.006	-0.087	0.046
MSPD2a	0.020	0.017	0.044	0.005	-0.031	-0.002	0.803	0.009	-0.093	0.074	0.034	-0.069	-0.031
MSPD2b	0.178	0.039	-0.011	-0.054	-0.011	0.005	-0.063	0.039	0.661	0.061	-0.015	0.014	-0.013
MSPD2c	0.810	0.066	0.031	0.005	-0.047	0.039	-0.100	0.029	0.064	-0.059	-0.004	0.075	0.034
MSPD2d	0.865	0.071	0.034	0.019	-0.051	0.024	-0.071	0.015	0.048	-0.067	0.018	0.034	0.032
MSPD2e	0.860	0.082	-0.011	0.021	-0.003	0.006	0.010	0.024	-0.050	-0.036	0.032	0.066	-0.008
MSPD3a	0.046	-0.045	-0.008	0.012	0.009	-0.025	0.825	0.007	0.005	-0.055	-0.004	-0.027	-0.056
MSPD3b	0.274	0.043	-0.016	0.042	0.031	0.005	-0.015	0.014	0.645	0.004	0.001	0.025	0.050
MSPD3c	0.687	-0.017	0.034	-0.000	-0.016	-0.001	-0.070	-0.004	0.141	0.093	0.021	0.122	0.001
MSPD3d	0.699	0.008	0.018	-0.001	0.005	-0.003	-0.025	-0.019	0.049	0.123	0.007	0.157	-0.022
MSPD3e	0.715	0.007	-0.032	0.002	0.029	-0.019	0.019	-0.023	-0.015	0.106	0.017	0.145	-0.024

MSPD4a	0.027	-0.000	0.059	0.007	-0.025	0.065	0.726	0.025	0.040	-0.014	-0.027	-0.005	-0.056
MSPD4b	0.124	0.092	-0.044	-0.034	-0.035	-0.020	0.081	0.074	0.623	0.009	0.026	0.072	0.026
MSPD4c	0.538	0.019	0.009	-0.044	-0.035	0.024	-0.017	0.036	0.201	0.035	-0.035	0.215	0.037
MSPD4d	0.554	0.009	0.001	-0.063	-0.029	0.001	-0.003	-0.007	0.180	0.022	-0.029	0.224	0.058
MSPD4e	0.646	0.014	-0.041	-0.059	0.014	-0.014	0.040	0.012	0.101	0.018	-0.002	0.170	-0.023
MSPD5a	0.086	-0.010	0.102	-0.023	-0.016	0.022	0.727	-0.026	0.144	-0.011	-0.010	-0.047	0.074
MSPD5b	0.167	0.098	0.000	0.003	-0.021	0.030	0.145	0.061	0.598	0.038	-0.029	-0.034	-0.087
MSPD5c	0.640	-0.027	0.020	-0.045	0.023	0.024	0.027	0.042	0.064	0.076	-0.023	0.056	0.193
MSPD5d	0.638	0.011	0.046	-0.019	0.013	0.029	0.046	0.026	0.015	0.084	-0.034	0.109	0.165
MSPD5e	0.693	0.004	-0.006	-0.023	0.046	-0.031	0.101	0.005	-0.027	0.088	0.019	0.110	0.082
MSPD6a	-0.209	0.050	0.039	-0.028	0.023	0.035	0.693	-0.037	0.016	0.009	-0.031	0.201	-0.086
MSPD6b	-0.119	0.096	0.023	0.005	-0.035	0.006	0.054	0.018	0.568	0.011	0.017	0.445	0.019
MSPD6c	0.109	0.008	0.028	-0.016	-0.037	-0.006	-0.062	0.015	0.078	0.031	0.001	0.800	0.094
MSPD6d	0.112	0.026	0.002	-0.009	0.005	-0.010	-0.028	0.028	-0.000	0.052	0.003	0.833	0.073
MSPD6e	0.188	0.013	-0.031	-0.020	0.023	0.002	0.047	0.021	-0.053	0.054	-0.004	0.751	0.027
MSPD7a	-0.076	0.119	0.018	0.046	0.018	-0.017	0.613	-0.004	0.094	0.002	0.079	0.013	0.084
MSPD7b	0.033	0.038	-0.037	-0.008	0.037	0.002	0.072	-0.010	0.555	0.213	-0.047	0.011	-0.122
MSPD7c	0.271	-0.019	-0.044	0.018	0.013	0.034	-0.015	0.010	0.097	0.242	-0.038	0.234	0.234
MSPD7d	0.321	-0.002	-0.029	0.035	-0.009	0.014	0.033	-0.027	0.041	0.235	-0.025	0.277	0.181
MSPD7e	0.380	-0.012	-0.067	-0.004	0.006	0.002	0.065	0.008	-0.015	0.284	0.003	0.210	0.093
MSPD8a	-0.083	0.181	0.014	0.005	0.065	0.031	0.535	-0.009	0.106	0.084	-0.027	0.047	0.032
MSPD8b	-0.090	0.155	0.017	-0.012	0.019	-0.025	0.074	0.043	0.504	0.295	0.038	0.076	-0.029
MSPD8c	-0.027	0.022	-0.005	-0.023	0.018	0.027	-0.040	0.004	0.035	0.910	-0.031	0.005	0.082
MSPD8d	-0.001	0.016	0.031	0.014	-0.034	0.013	0.002	-0.007	0.010	0.910	-0.029	0.037	0.068
MSPD8e	0.093	0.012	-0.031	0.006	-0.006	-0.039	0.027	-0.007	-0.004	0.871	0.029	-0.007	0.025
MSPD9a	-0.102	0.169	-0.073	0.054	0.045	0.053	0.496	-0.057	0.075	-0.127	-0.006	-0.023	0.359
MSPD9b	-0.079	0.144	-0.028	-0.011	0.046	0.009	-0.013	0.022	0.520	-0.019	0.050	0.028	0.375
MSPD9c	0.058	-0.003	0.013	0.010	-0.001	0.014	-0.049	0.028	0.009	0.148	-0.009	0.059	0.824
MSPD9d	0.077	0.008	0.034	0.023	-0.028	0.016	-0.010	0.007	-0.023	0.132	0.001	0.088	0.813
MSPD9e	0.187	0.034	-0.028	0.029	0.020	-0.026	0.014	0.021	-0.070	0.111	0.044	0.069	0.697
MSPD10a	-0.001	0.686	-0.033	0.012	-0.028	-0.007	0.143	-0.018	0.107	-0.012	-0.006	0.008	0.101

MSPD10b	-0.015	0.697	-0.095	0.025	-0.042	-0.013	0.109	-0.013	0.118	-0.041	0.011	-0.008	0.160
MSPD10c	-0.051	0.686	-0.136	0.050	-0.007	-0.048	0.077	0.040	0.028	-0.029	0.043	0.070	0.078
MSPD10d	-0.031	0.686	-0.114	0.013	-0.026	0.002	-0.030	0.042	0.121	-0.048	-0.036	0.078	-0.009
MSPD10e	-0.055	0.550	-0.063	-0.035	-0.027	-0.008	0.056	0.045	0.092	-0.003	0.045	0.072	0.052
MSPD10f	0.042	0.798	0.118	-0.035	-0.075	-0.016	0.098	0.020	-0.018	0.019	-0.022	-0.009	-0.044
MSPD10g	-0.024	0.729	-0.051	-0.016	-0.000	-0.016	-0.021	0.042	0.019	-0.054	0.028	0.079	-0.058
MSPD10h	-0.008	0.819	-0.004	-0.034	0.028	0.021	0.027	-0.032	0.030	0.075	-0.004	0.002	0.008
MSPD10i	-0.000	0.826	-0.087	0.001	0.082	-0.045	0.003	-0.033	0.041	0.032	0.016	0.022	0.011
MSPD10j	-0.007	0.792	0.136	-0.069	0.019	0.037	0.017	-0.023	-0.002	0.076	-0.042	0.001	-0.054
MIQ11	0.029	-0.009	-0.031	0.611	0.048	-0.010	0.007	-0.078	0.063	-0.006	0.039	-0.019	-0.026
MIQ12	-0.013	0.048	-0.864	-0.009	-0.066	0.001	-0.045	-0.013	0.017	-0.012	-0.001	0.009	0.008
MIQ13	-0.027	-0.037	0.881	0.023	0.018	-0.029	0.064	0.033	0.008	0.017	0.028	-0.011	-0.002
TCS6	-0.024	-0.002	0.170	0.684	-0.106	-0.073	-0.071	-0.033	0.020	0.053	-0.015	-0.021	0.032
TCS7	0.018	0.005	-0.901	0.039	-0.079	-0.004	-0.017	0.012	0.019	0.004	0.005	-0.023	-0.012
TCS8	-0.005	-0.010	0.886	0.054	0.064	-0.015	0.063	0.049	-0.027	0.027	-0.003	-0.003	-0.048
OSRI19	0.088	0.012	-0.047	0.084	0.187	-0.097	0.081	-0.024	-0.093	0.065	0.091	0.027	-0.131
OSRI20	0.007	-0.028	0.032	0.385	-0.013	-0.080	0.039	-0.084	-0.089	0.080	-0.011	-0.026	0.064
SOQ4a	0.008	-0.002	0.040	0.137	0.760	0.346	0.009	-0.035	-0.014	0.035	0.060	0.016	-0.057
SOQ4b	0.017	0.011	-0.091	0.060	-0.747	0.249	-0.036	-0.022	0.034	0.061	0.131	-0.004	-0.031
SOQ4c	-0.017	-0.014	-0.054	-0.012	0.053	0.778	0.002	0.055	-0.004	0.002	0.185	0.013	-0.014
SOQ4d	0.025	-0.006	-0.010	0.007	-0.010	0.796	0.016	0.054	0.004	0.012	0.177	-0.001	-0.025
SOQ4e	-0.008	-0.034	-0.087	-0.026	0.068	0.782	0.016	0.086	0.022	0.025	0.158	0.003	-0.005
SOQ5a	0.003	0.024	0.277	0.071	0.647	0.053	0.011	0.088	0.050	0.057	0.006	-0.057	0.008
SOQ5b	0.003	0.032	-0.264	0.062	-0.699	-0.014	-0.019	0.089	-0.042	-0.003	0.014	0.025	-0.009
SOQ5c	-0.004	-0.064	-0.005	-0.018	0.068	-0.008	0.014	0.824	-0.011	0.034	-0.010	0.001	-0.002
SOQ5d	0.019	0.071	0.012	0.081	-0.100	0.052	0.006	0.786	-0.014	-0.032	0.006	-0.013	-0.031
SOQ5e	0.032	0.001	-0.006	-0.075	0.026	0.031	-0.045	0.794	0.039	-0.033	-0.040	-0.036	0.035
MSPD10k	0.050	0.967	0.027	-0.007	-0.014	0.025	-0.077	0.014	-0.050	0.013	-0.007	-0.055	-0.022
MSPD10l	0.068	0.958	0.012	-0.042	0.010	-0.006	-0.042	0.009	-0.067	-0.004	-0.011	-0.028	-0.014

Table SF101: EFA for Prolific Cisgender Sample (Including Supplementary Items): 13 Factors Using Oblimin Rotation.

Factor	Items
1	MSPD1c-e, MSPD2c-e, MSPD3c-e, MSPD4c-e, MSPD5c-e, MSPD7c-e
2	MSPD10a-l
3	MIQ3, MIQ12, TCS7, OSRI14, OSRI18
4	MIQ1, TCS1-5, MIQ11, TCS6, OSRI20
5	SOQ1c, SOQ2c, SOQ3c, SOQ4a, SOQ5a
6	SOQ3a, SOQ3b, SOQ3d, SOQ3e, SOQ4c-e
7	MSPD1a-9a
8	SOQ2b, SOQ2d, SOQ2e, SOQ5c, SOQ5d, SOQ5e
9	MSPD8c-e
10	MSPD1b-9b
11	SOQ1a, SOQ1b, SOQ1d, SOQ1e
12	MSPD6c-e
13	MSPD9c-e

Table SF102: Factor Structure and Items for Self-entered Data (Gender: Woman (Man), Sex: Female Male) (Oblimin Rotation).

Upon comparing the structures of the Tables SF100 and SF102 with the MGSI SF94, several similarities and differences emerge regarding how the items are grouped within each factor. In Factor 1, all tables feature the same items: MSPD1c-e, MSPD2c-e, MSPD3c-e, MSPD4c-e, and MSPD5c-e. The last item varies slightly between tables, with Prolific listing MSPD7d-e and the Self-entered data listing MSPD7c-e. Factor 2 consistently contains MSPD10a-l across all three tables. Factor 3 shows a difference between the tables. The Prolific table lists items MIQ4, MIQ5, MIQ13, and TCS8, which aligns with Factor 4 in the MGSI. In contrast, the Self-entered data table lists MIQ3, MIQ12, TCS7, OSRI14, and OSRI18, which differ from both the MGSI and the Prolific table. Factors 4 and 3 have a notable relationship, as both the Prolific and Self-entered data tables share the same items for Factor 4: MIQ1, TCS1-5, MIQ11, TCS6, and OSRI20, matching Factor 3 in the MGSI. In the Prolific table, Factor 5's items match the MGSI's Factor 9, which includes SOQ1c, SOQ2c, SOQ3c, SOQ4a, and SOQ5a.
Factors 6 and 7 exhibit consistency across the Prolific and Self-entered data tables, with both tables listing MSPD1a-9a, aligning with Factor 6 in the MGSI. Similarly, both tables share items for Factor 10, which consistently includes MSPD1b-9b, matching Factor 10 in the MGSI.
Finally, Factors 11, 12, and 13 in both tables maintain a clear alignment. Factor 11 includes SOQ1a, SOQ1b, SOQ1d, and SOQ1e in the Prolific table, partially matching Factor 8 in the MGSI. Factor 12 features MSPD6c-e, consistent with Factor 13 in the given list, while Factor 13 includes MSPD9c-e, matching Factor 12 in the MGSI.

5.8. Exploratory Factor Analysis - All Items - Non-cisgender

We conducted EFA for the non-cisgender individuals, including all items. In Table SF103, we present the eigenvalues, proportion of variance, and cumulative variance for the 13 factors. Table SF105 shows the factor loadings for the 13 factors, while Table SF104 provides an overview of the factors and lists the items with loadings exceeding the 0.40 threshold.

Factor	Eigenvalue	VAR	CUM
1	10.6207	0.0878	0.0878
2	7.5434	0.0623	0.1501
3	5.2938	0.0438	0.1939
4	4.7284	0.0391	0.2329
5	4.4357	0.0367	0.2696
6	4.1146	0.0340	0.3036
7	4.1134	0.0340	0.3376
8	4.0830	0.0337	0.3713
9	3.7341	0.0309	0.4022
10	3.5790	0.0296	0.4318
11	3.4505	0.0285	0.4603
12	2.1209	0.0175	0.4778
13	1.2094	0.0100	0.4878

Table SF103: Factors, Eigenvalues, Variance Explained, and Cumulative Variance for Prolific Non-cisgender Sample: Including Supplementary Items for 13 Factors (Oblimin Rotation).

Factor	Items
1	MSPD1c-e, MSPD2c-e, MSPD3c-e, MSPD4c-e, MSPD5c-e, MSPD7c-e, MSPD9c-e
2	MSPD10a-l
3	MIQ1, TCS1-5, MIQ11, TCS6, OSRI20
4	MSP1a-9a
5	SOQ1a-3a, SOQ4b, SOQ5b
6	SOQ2b, d-e, SOQ5c-e
7	MIQ4, MIQ5, MIQ10, MIQ13, TCS8
8	SOQ1c, SOQ2c, SOQ3c, SOQ4a, SOQ5a
9	MSPD1b-7b, MSPD9b
10	SOQ1e, SOQ3b, d, e, SOQ4c-e
11	MSPD8b-e
12	MSPD6c-e
13	SOQ1b, SOQ1d

Table SF104: Prolific Non-cisgender Sample: Factor Structure and Items (13 Factors and Oblimin Rotation).

Items	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13
MIQ1	0.018	-0.051	0.517	-0.129	0.010	0.190	0.033	-0.005	0.012	-0.014	0.028	0.055	0.032
MIQ3	-0.037	0.055	0.121	0.090	-0.033	0.112	-0.624	-0.066	-0.002	0.137	0.014	-0.010	-0.001
MIQ4	0.037	-0.051	0.052	-0.057	-0.004	-0.114	0.629	0.035	0.118	-0.051	0.025	-0.009	0.048
MIQ5	0.007	0.006	0.024	0.028	-0.087	0.126	0.774	-0.017	-0.046	0.063	-0.026	0.016	-0.029
MIQ6	-0.043	0.082	-0.302	0.027	-0.104	0.192	-0.049	-0.068	0.076	0.001	-0.004	-0.084	0.031
MIQ7	-0.001	0.042	-0.312	-0.055	-0.164	0.222	-0.064	-0.121	0.132	0.032	0.029	-0.049	0.063
MIQ9	0.078	0.103	-0.433	0.019	-0.008	0.110	0.216	-0.017	-0.003	0.062	0.054	-0.064	0.003
MIQ10	0.077	0.172	-0.308	0.011	0.016	0.059	0.307	0.072	-0.039	0.034	0.030	-0.091	0.059
TCS1	0.003	0.049	0.773	0.039	-0.018	-0.097	0.107	-0.030	-0.012	-0.016	-0.007	-0.075	0.024
TCS2	-0.068	0.013	0.863	-0.000	-0.020	-0.031	0.017	-0.019	-0.015	0.005	-0.018	-0.018	0.008
TCS3	-0.004	-0.071	0.809	0.021	0.003	-0.018	-0.105	0.038	-0.021	0.006	-0.024	-0.005	0.019
TCS4	0.012	-0.075	0.684	-0.036	-0.027	0.168	-0.063	0.067	0.049	0.031	0.057	0.057	-0.021
TCS5	0.144	0.028	0.610	-0.106	0.050	0.097	0.045	0.078	0.014	0.001	0.023	0.065	-0.070
OSRI1	-0.015	0.090	0.007	0.186	-0.012	0.069	0.079	-0.019	-0.044	-0.057	0.107	-0.060	0.090
OSRI2	-0.023	0.161	0.178	0.015	0.033	0.122	0.012	-0.164	0.162	0.034	-0.047	0.043	-0.012
OSRI3	0.136	0.021	-0.132	-0.060	0.127	0.051	0.024	0.073	0.203	0.011	0.039	-0.063	-0.036
OSRI4	0.001	0.075	-0.004	-0.024	0.083	-0.001	-0.015	0.054	0.136	-0.058	0.032	-0.066	-0.003
OSRI5	-0.169	-0.020	-0.000	0.083	-0.007	-0.066	0.057	0.088	-0.158	-0.007	0.031	-0.029	-0.014
OSRI6	-0.025	0.068	0.043	0.168	-0.072	0.116	0.102	0.070	0.060	-0.049	0.097	-0.066	0.067
OSRI7	-0.054	0.171	0.151	-0.035	0.079	0.107	-0.132	-0.103	0.072	-0.038	-0.049	-0.029	0.016
OSRI8	-0.137	0.128	0.022	0.191	-0.054	-0.043	0.119	0.069	-0.007	-0.069	0.060	-0.070	0.039
OSRI9	0.033	0.111	-0.122	0.048	0.027	0.127	-0.098	-0.002	0.059	-0.030	0.066	0.070	-0.043
OSRI10	-0.023	0.048	-0.072	0.190	0.072	-0.061	0.049	0.052	0.088	-0.006	0.001	-0.086	0.057
OSRI11	-0.033	0.090	0.021	0.085	0.103	0.131	-0.119	-0.003	0.119	0.054	0.063	-0.008	0.023
OSRI12	-0.034	0.058	0.042	-0.038	0.072	0.110	-0.115	-0.135	0.191	0.026	0.027	0.021	0.055
OSRI13	-0.019	0.082	0.106	0.169	-0.093	0.116	0.190	0.136	-0.017	-0.124	-0.031	0.033	0.074
OSRI14	-0.038	0.138	0.211	0.044	0.091	0.053	-0.091	-0.111	0.083	-0.039	-0.046	0.002	0.020
OSRI15	0.019	0.121	0.013	0.213	-0.052	0.122	0.092	0.070	0.038	-0.047	-0.040	-0.083	0.027
OSRI16	-0.018	0.147	0.167	0.106	0.076	0.190	-0.202	-0.125	0.042	-0.071	-0.011	-0.042	0.023
OSRI17	-0.047	0.069	0.057	0.171	-0.018	0.000	0.055	0.053	0.071	0.011	-0.027	-0.026	0.012

OSRI18	-0.000	0.117	0.092	-0.031	0.042	0.152	-0.115	-0.143	0.175	0.068	-0.010	0.045	-0.020
SOQ1a	0.066	-0.011	0.013	-0.010	0.816	-0.056	-0.074	-0.059	0.007	-0.113	0.018	-0.010	0.279
SOQ1b	-0.069	0.046	-0.048	-0.008	0.370	-0.004	0.145	0.250	0.027	0.212	0.022	0.068	0.519
SOQ1c	0.030	-0.025	-0.001	-0.008	-0.152	0.006	0.047	0.849	0.009	-0.057	-0.024	-0.031	0.328
SOQ1d	-0.016	0.040	-0.071	0.015	0.202	0.065	-0.044	0.422	-0.071	0.252	-0.025	0.083	0.441
SOQ1e	0.114	-0.008	-0.006	-0.002	-0.153	0.073	-0.021	-0.044	-0.016	0.724	-0.010	-0.017	0.481
SOQ2a	0.008	0.031	0.081	0.019	0.634	0.241	-0.016	-0.271	0.002	-0.119	0.058	-0.030	0.105
SOQ2b	-0.075	0.096	0.012	-0.011	0.295	0.642	0.212	-0.105	0.098	-0.043	0.071	-0.007	0.141
SOQ2c	0.085	0.023	-0.025	0.068	-0.234	0.504	0.008	0.522	-0.047	-0.173	-0.007	-0.054	-0.089
SOQ2d	0.017	0.053	-0.074	0.033	0.031	0.788	-0.057	0.180	-0.012	-0.010	-0.017	0.041	-0.009
SOQ2e	0.085	0.025	-0.024	-0.040	-0.114	0.735	-0.025	-0.086	0.097	0.233	0.014	-0.058	0.027
SOQ3a	0.058	-0.035	-0.023	0.006	0.889	-0.044	-0.068	0.003	-0.003	0.082	-0.007	0.011	-0.147
SOQ3b	-0.094	0.026	-0.031	-0.009	0.469	-0.017	0.139	0.293	0.037	0.470	0.039	0.091	-0.084
SOQ3c	-0.020	-0.023	0.006	0.012	0.019	-0.013	0.081	0.865	0.022	0.153	0.012	-0.019	-0.128
SOQ3d	-0.087	0.008	-0.061	0.037	0.342	0.049	-0.004	0.426	-0.036	0.470	0.025	0.107	-0.126
SOQ3e	0.022	0.019	-0.013	0.020	0.008	0.071	0.019	0.041	0.010	0.919	-0.001	-0.013	-0.075
MSPD1a	0.024	0.049	0.038	0.653	0.025	-0.021	0.020	0.069	0.037	-0.037	-0.030	-0.104	-0.023
MSPD1b	0.088	0.014	-0.058	0.028	0.041	0.056	-0.016	0.003	0.545	-0.006	0.041	-0.031	0.031
MSPD1c	0.655	0.061	0.029	-0.029	0.020	0.013	0.057	0.004	0.174	0.036	0.104	-0.132	-0.017
MSPD1d	0.605	0.010	-0.011	0.071	0.043	-0.031	-0.004	0.000	0.058	-0.032	0.109	-0.025	-0.012
MSPD1e	0.629	0.012	0.017	0.076	0.058	0.019	0.011	0.010	0.052	0.005	0.082	0.055	0.026
MSPD2a	0.053	-0.035	-0.042	0.757	-0.004	-0.040	0.041	-0.039	-0.063	0.039	0.001	0.017	0.046
MSPD2b	0.294	-0.011	-0.008	-0.044	0.025	0.032	-0.022	0.043	0.685	0.008	-0.006	-0.074	0.011
MSPD2c	0.792	-0.012	-0.049	-0.089	0.002	0.014	0.028	-0.012	0.141	0.047	-0.009	-0.077	0.022
MSPD2d	0.812	-0.002	-0.103	0.005	0.011	-0.032	-0.018	-0.004	0.028	0.007	0.002	0.006	0.005
MSPD2e	0.808	-0.019	-0.036	-0.003	0.022	0.035	-0.068	0.016	0.017	-0.001	-0.008	0.072	0.048
MSPD3a	-0.035	-0.003	0.027	0.787	-0.036	0.045	-0.006	-0.001	-0.028	0.024	0.028	-0.039	-0.005
MSPD3b	0.287	-0.001	0.036	-0.062	0.014	0.006	-0.049	0.052	0.669	-0.005	-0.053	-0.022	0.026
MSPD3c	0.721	-0.009	0.007	-0.117	-0.012	0.067	0.004	-0.003	0.104	-0.011	0.008	0.047	0.046
MSPD3d	0.730	0.028	-0.031	-0.015	-0.014	0.052	-0.049	-0.021	-0.058	-0.009	-0.018	0.114	0.019
MSPD3e	0.743	0.034	0.024	0.023	0.025	0.065	-0.079	-0.013	-0.066	-0.021	-0.013	0.190	0.089

MSPD4a	0.072	-0.029	0.019	0.782	-0.019	0.001	0.006	-0.015	0.004	0.017	-0.006	-0.081	0.018
MSPD4b	0.253	0.003	-0.014	-0.002	0.003	0.088	0.015	-0.014	0.625	-0.002	0.019	0.040	-0.030
MSPD4c	0.709	0.066	0.010	-0.076	0.030	0.009	0.045	-0.027	0.164	0.035	-0.008	0.013	-0.040
MSPD4d	0.747	0.065	-0.024	-0.032	0.014	0.008	0.034	-0.001	0.093	0.012	-0.008	0.036	-0.043
MSPD4e	0.675	0.052	0.018	-0.010	-0.007	0.073	-0.021	-0.070	0.024	0.050	-0.012	0.179	0.039
MSPD5a	0.102	-0.035	-0.029	0.726	0.035	0.000	0.075	-0.032	0.035	-0.028	-0.047	-0.017	-0.122
MSPD5b	0.071	0.082	-0.011	0.200	0.006	0.030	-0.059	0.068	0.553	0.005	0.003	0.110	-0.086
MSPD5c	0.704	0.075	0.005	0.032	0.040	-0.025	-0.002	0.038	0.028	0.006	0.053	0.113	-0.099
MSPD5d	0.674	0.092	-0.025	0.051	0.039	-0.037	-0.031	0.030	-0.039	-0.002	0.055	0.173	-0.114
MSPD5e	0.677	0.065	0.049	0.094	0.063	0.029	-0.048	0.037	-0.057	-0.001	0.025	0.253	-0.045
MSPD6a	-0.183	-0.036	-0.039	0.760	-0.003	0.012	-0.042	-0.013	-0.001	0.024	0.030	0.135	0.081
MSPD6b	-0.185	0.049	-0.068	0.013	-0.058	-0.014	0.007	-0.021	0.734	-0.034	0.022	0.388	0.002
MSPD6c	0.243	0.051	0.008	-0.108	-0.047	0.024	0.042	-0.043	0.171	-0.004	0.055	0.637	-0.017
MSPD6d	0.281	0.042	-0.009	-0.053	-0.046	-0.010	0.039	-0.040	0.076	-0.028	0.054	0.693	-0.008
MSPD6e	0.243	0.079	0.028	-0.026	-0.014	0.025	0.020	-0.040	0.053	-0.023	0.056	0.742	0.045
MSPD7a	0.135	0.065	0.018	0.459	0.051	-0.027	0.105	-0.015	0.080	0.032	-0.042	-0.050	-0.064
MSPD7b	-0.049	-0.012	-0.087	0.133	-0.032	0.065	-0.067	-0.005	0.475	0.004	0.110	0.081	0.022
MSPD7c	0.615	0.037	-0.081	-0.057	0.029	0.022	0.132	0.016	0.082	-0.013	0.136	-0.032	0.012
MSPD7d	0.594	-0.009	-0.065	0.024	0.040	0.000	0.070	0.042	0.035	-0.078	0.159	0.100	0.030
MSPD7e	0.593	0.017	-0.030	0.055	0.022	0.001	0.070	0.035	0.009	-0.026	0.143	0.126	0.049
MSPD8a	-0.015	0.079	-0.032	0.498	0.047	-0.043	0.011	-0.006	0.175	-0.006	0.073	-0.052	-0.031
MSPD8b	-0.135	0.093	-0.010	0.154	-0.024	0.008	-0.075	-0.017	0.407	-0.018	0.560	-0.071	-0.018
MSPD8c	0.008	-0.002	-0.014	-0.040	-0.007	-0.017	0.002	-0.010	-0.004	0.018	0.960	-0.032	-0.012
MSPD8d	0.016	-0.008	0.003	-0.005	0.010	-0.008	0.002	0.025	-0.033	-0.037	0.980	0.015	-0.006
MSPD8e	0.058	-0.008	0.004	0.016	-0.020	0.007	-0.040	-0.000	-0.054	0.006	0.931	0.046	0.026
MSPD9a	-0.023	0.093	0.048	0.553	-0.006	-0.022	0.039	-0.082	0.130	0.062	-0.043	0.022	0.024
MSPD9b	0.125	0.098	0.066	0.087	-0.053	-0.004	-0.013	0.007	0.540	0.081	0.125	-0.008	-0.000
MSPD9c	0.572	0.049	0.057	-0.128	-0.034	-0.035	0.103	0.003	0.107	0.043	0.200	-0.029	-0.043
MSPD9d	0.578	0.076	0.060	-0.066	-0.052	-0.053	0.047	-0.007	0.017	0.042	0.207	0.025	-0.045
MSPD9e	0.598	0.081	0.100	-0.046	-0.030	0.001	0.004	-0.022	-0.007	0.066	0.182	0.061	0.015
MSPD10a	0.043	0.813	-0.028	-0.010	-0.050	-0.027	0.028	-0.062	0.009	0.045	-0.017	0.041	-0.036

MSPD10b	0.001	0.844	0.037	-0.000	-0.031	-0.024	-0.044	-0.036	-0.003	-0.004	-0.001	0.038	-0.022
MSPD10c	-0.035	0.650	-0.012	0.021	0.027	-0.000	-0.159	0.065	0.001	-0.042	-0.005	0.021	0.065
MSPD10d	-0.023	0.705	0.052	0.045	0.022	0.057	-0.090	0.036	0.066	-0.064	-0.048	-0.013	0.102
MSPD10e	-0.040	0.595	-0.029	0.013	0.012	0.104	-0.081	0.100	0.036	-0.100	-0.020	0.038	0.066
MSPD10f	0.022	0.825	-0.035	0.066	-0.004	0.010	0.016	-0.009	-0.052	-0.021	-0.014	-0.005	-0.003
MSPD10g	-0.083	0.595	-0.004	0.044	0.054	0.045	-0.151	0.092	0.072	-0.062	-0.101	0.072	0.002
MSPD10h	0.050	0.759	-0.062	-0.041	0.052	-0.014	0.027	0.003	0.037	-0.012	0.016	-0.029	-0.081
MSPD10i	0.095	0.815	0.006	-0.024	0.017	-0.025	0.043	-0.038	0.027	0.048	0.002	-0.024	0.009
MSPD10j	0.010	0.783	-0.014	0.030	-0.060	-0.011	0.102	-0.010	-0.020	0.031	0.030	-0.015	0.007
MIQ11	-0.003	-0.088	0.662	-0.076	0.013	0.094	0.004	0.011	-0.016	0.054	-0.011	0.111	-0.063
MIQ12	0.031	0.028	0.009	-0.094	0.001	0.120	-0.664	-0.021	0.010	0.034	0.084	0.009	-0.052
MIQ13	0.023	0.018	0.051	0.021	-0.075	0.112	0.773	0.001	-0.058	0.036	-0.015	0.029	-0.033
TCS6	-0.021	0.033	0.811	0.050	-0.010	-0.133	0.080	-0.027	0.002	0.005	0.006	-0.027	0.016
TCS7	0.002	0.047	0.050	0.016	0.123	-0.005	-0.659	-0.026	0.069	-0.054	-0.026	-0.071	-0.012
TCS8	-0.055	-0.023	0.081	0.160	0.018	-0.038	0.689	0.077	0.002	-0.083	0.002	-0.018	-0.001
OSRI19	-0.099	0.132	0.167	0.079	0.060	0.063	-0.004	0.011	0.079	-0.087	-0.051	-0.036	0.045
OSRI20	-0.070	-0.007	0.448	0.136	0.150	-0.213	-0.043	0.141	-0.038	-0.108	-0.071	-0.059	0.000
SOQ4a	-0.009	0.000	0.005	-0.001	-0.014	-0.021	0.055	0.853	0.013	0.150	0.011	-0.017	-0.037
SOQ4b	0.082	-0.015	-0.031	0.034	0.857	-0.059	-0.090	0.004	-0.013	0.063	-0.006	-0.021	-0.025
SOQ4c	-0.053	0.032	-0.070	0.041	0.322	0.040	-0.039	0.429	-0.044	0.454	0.033	0.088	-0.012
SOQ4d	-0.080	0.053	-0.053	-0.003	0.457	-0.031	0.113	0.282	0.032	0.450	0.040	0.064	0.042
SOQ4e	0.026	0.041	-0.041	0.015	-0.016	0.053	-0.016	0.029	0.006	0.901	0.009	-0.019	0.046
SOQ5a	0.110	0.022	-0.012	0.035	-0.287	0.443	0.001	0.474	-0.052	-0.119	0.005	-0.039	-0.115
SOQ5b	0.033	0.001	0.062	-0.009	0.616	0.226	0.013	-0.294	-0.036	-0.057	0.049	-0.034	0.067
SOQ5c	0.061	0.019	-0.139	-0.000	-0.028	0.719	-0.080	0.161	-0.027	0.035	-0.006	0.095	-0.052
SOQ5d	-0.038	0.054	-0.063	-0.027	0.312	0.571	0.248	-0.206	0.072	0.017	0.057	0.074	0.101
SOQ5e	0.048	-0.012	-0.094	-0.106	-0.065	0.713	0.041	-0.152	0.087	0.241	-0.005	0.038	0.020
MSPD10k	0.005	0.852	-0.038	-0.031	-0.034	0.011	0.009	-0.030	-0.041	0.027	0.038	-0.014	0.003
MSPD10l	-0.029	0.914	0.025	-0.058	-0.009	-0.028	-0.003	0.024	-0.038	0.019	0.034	-0.005	-0.014

Table SF105: EFA for Prolific Non-cisgender Sample (Including Supplementary Items): 18 Factors Using Oblimin Rotation.

5.9. Exploratory Factor Analysis - MIQ Items - Including Supplementary Items

We conducted EFA for the full dataset comprising MIQ items to inspect different groups. To determine the optimal number of factors, we computed (a) EKC and (b) PA as factor retention methods. Both methods suggest that two factors are sufficient. Based on the factor loadings in Table SF107, Factor 1 has an eigenvalue (variance explained) of 3.20 (0.29) and Factor 2 of 2.72 (0.25).

As in Table SF106, which shows the factor loadings for n=2 factors excluding the supplementary items, the loadings of MIQ1 and MIQ3 are negative in both factors in Table SF107, which shows the factor loadings for n=2 factors including the supplementary items, indicating that they are not related to the remaining MIQ items.

Unlike Table SF106, MIQ6–7 and MIQ9–10 load onto Factor 2 in Table SF107. MIQ4–5 load onto Factor 1 together with the supplementary item MIQ13, which refers to the desire to be and dress like a man. As a result, the inclusion of the supplementary items did not alter the structure of the factor loadings.

Item	F1	F2
MIQ1	-0.348	0.041
MIQ3	0.055	-0.807
MIQ4	0.017	0.762
MIQ5	0.055	0.737
MIQ6	0.718	-0.063
MIQ7	0.783	-0.054
MIQ9	0.747	0.034
MIQ10	0.734	0.095

Table SF106: Factor Loadings for MIQ Items (Oblimin Rotation).

Item	F1	F2
MIQ1	0.039	-0.435
MIQ3	-0.711	0.042
MIQ4	0.686	-0.007
MIQ5	0.894	0.034
MIQ6	-0.052	0.684
MIQ7	-0.056	0.741
MIQ9	0.034	0.763
MIQ10	0.102	0.734
MIQ11	0.047	-0.624
MIQ12	-0.807	0.059
MIQ13	0.867	0.037

Table SF107: Factor Loadings for MIQ and Supplementary Items (Oblimin Rotation).

5.10. Exploratory Factor Analysis - SOQ Items - Including Supplementary Items

We conducted EFA for the full dataset comprising SOQ items to inspect different groups. To determine the optimal number of factors, we computed (a) EKC and (b) PA as factor retention methods. While the EKC suggests four factors as sufficient, the PA suggests three. We conducted the factor analysis (oblimin rotation) for three factors.

Based on the factor loadings in Table SF109, Factor 1 has an eigenvalue (variance explained) of 7.15 (0.29), Factor 2 of 5.91 (0.24) and Factor 3 of 4.50 (0.18).

Table SF108 shows that the loadings of SOQ1a–3a, relating to sexual relationships with men, load onto one factor. Items relating to relationships with women and non-cisgender individuals converge onto one factor, such as SOQ1b–e and SOQ2b–e load onto one factor, and SOQ3b–e load onto another factor.

Item	F1	F2	F3
SOQ1a	0.338	0.805	-0.083
SOQ1b	0.764	0.104	0.098
SOQ1c	0.447	-0.708	-0.090
SOQ1d	0.775	-0.007	0.107
SOQ1e	0.634	0.006	0.274
SOQ2a	-0.003	0.819	0.183
SOQ2b	0.110	0.140	0.754
SOQ2c	0.063	-0.759	0.280
SOQ2d	0.096	-0.093	0.827
SOQ2e	0.039	-0.040	0.895
SOQ3a	0.433	0.762	-0.105
SOQ3b	0.869	0.085	0.026
SOQ3c	0.574	-0.678	-0.151
SOQ3d	0.864	0.002	0.038
SOQ3e	0.755	-0.002	0.190

Table SF108: Factor Loadings for SOQ Items (Oblimin Rotation).

Table SF109 shows that the loadings of SOQ1a–3a and SOQ4b–5b, relating to sexual relationship with men, load onto one factor as in Table SF108. Also in Table SF109, items relating to relationships with women and non-cisgender individuals converge onto one factor, such as SOQ1b–e, SOQ3b–e as well as the supplementary items SOQ4b–e. In Table SF109, SOQ2b–e load onto another factor together with the supplementary items SOQ5c–e. Thus, the inclusion of the supplementary items did not alter the structure of the factor loadings.

Item	F1	F2	F3
SOQ1a	0.324	0.794	-0.083
SOQ1b	0.723	0.105	0.111
SOQ1c	0.420	-0.701	-0.098
SOQ1d	0.738	-0.006	0.114
SOQ1e	0.602	0.006	0.293
SOQ2a	0.009	0.841	0.161
SOQ2b	0.099	0.134	0.756
SOQ2c	0.066	-0.794	0.257
SOQ2d	0.095	-0.110	0.816
SOQ2e	0.038	-0.055	0.870
SOQ3a	0.445	0.764	-0.105
SOQ3b	0.879	0.083	0.037
SOQ3c	0.588	-0.678	-0.160
SOQ3d	0.878	0.000	0.043
SOQ3e	0.767	-0.005	0.205
SOQ4a	0.578	-0.665	-0.151
SOQ4b	0.443	0.741	-0.095
SOQ4c	0.895	0.006	0.048
SOQ4d	0.892	0.093	0.046
SOQ4e	0.773	-0.001	0.218
SOQ5a	0.055	-0.786	0.221
SOQ5b	0.020	0.833	0.154
SOQ5c	0.074	-0.129	0.802
SOQ5d	0.079	0.165	0.779
SOQ5e	0.021	-0.023	0.892

Table SF109: Factor Loadings for SOQ and Supplementary Items (Oblimin Rotation).

5.11. Exploratory Factor Analysis - TCS Items - Including Supplementary Items

We conducted EFA for the full dataset comprising TCS items to inspect different groups. To determine the optimal number of factors, we computed (a) EKC and (b) PA as factor retention methods. Both methods suggest that two factors are sufficient. Based on the factor loadings in Table SF111, Factor 1 has an eigenvalue (variance explained) of 3.87 (0.48) and Factor 2 of 1.48 (0.18). Table SF110 shows that the five TCS items load strongly on Factor 1 (TCS1-3) - "the Appearance Congruence" factor of Kozee et al. (2012), and Factor 2 (TCS4-5) - "the Gender Identity Appearance" factor of Kozee et al. (2012).

Item	F1	F2
TCS1	0.795	0.017
TCS2	0.998	-0.055
TCS3	0.758	0.128
TCS4	-0.016	0.991
TCS5	0.070	0.700

Table SF110: Factor Loadings for TCS Items (Oblimin Rotation).

In Table SF111, TCS1–6, referring to satisfaction with gender identity and appearance, load onto Factor 1 and TCS8, referring to feeling as a man in terms of external representation, load onto Factor 2. TCS7,

which refers to feeling as a man in terms of external representation, does not exceed the threshold of 0.40 in any factor. Thus, the inclusion of the supplementary items converges the factor structure of Kozee et al. (2012) into one factor.

Item	F1	F2
TCS1	0.823	0.064
TCS2	0.888	0.029
TCS3	0.853	-0.075
TCS4	0.726	-0.078
TCS5	0.631	-0.032
TCS6	0.861	0.048
TCS7	0.113	-0.742
TCS8	0.055	0.953

Table SF111: Factor Loadings for TCS and Supplementary Items (Oblimin Rotation).

5.12. Exploratory Factor Analysis - OSRI Items - Including Supplementary Items

We conducted EFA for the full dataset comprising OSRI items to inspect different groups. To determine the optimal number of factors, we computed (a) EKC and (b) PA as factor retention methods. Both methods suggest that four factors are sufficient. Table SF112 shows that the items OSRI2, OSRI7, OSRI12, OSRI14, OSRI16, and OSRI18, referring to creative expression and social interaction, load onto Factor 1. OSRI1, OSRI13, and OSRI15, referring to exploratory and experimental behavior, load onto Factor 2. OSRI3, OSRI4, OSRI9 and OSRI11, referring to private and personal preferences, load onto Factor 3. OSRI5, OSRI6, OSRI8, OSRI10, and OSRI17 load onto Factor 4.

Item	F1	F2	F3	F4
OSRI1	-0.004	0.605	0.021	-0.062
OSRI2	0.477	0.183	0.035	-0.210
OSRI3	-0.087	-0.011	0.602	-0.022
OSRI4	0.174	-0.141	0.340	0.096
OSRI5	-0.111	0.044	-0.218	0.389
OSRI6	0.018	0.281	0.172	0.311
OSRI7	0.435	-0.048	0.041	0.015
OSRI8	0.041	0.228	-0.045	0.389
OSRI9	0.083	0.063	0.443	0.062
OSRI10	-0.009	0.142	0.235	0.454
OSRI11	0.255	0.030	0.367	0.101
OSRI12	0.460	-0.076	0.187	0.061
OSRI13	0.057	0.494	-0.091	0.193
OSRI14	0.541	-0.007	-0.069	0.036
OSRI15	-0.031	0.701	0.001	0.023
OSRI16	0.597	-0.076	-0.148	0.110
OSRI17	0.037	0.242	0.054	0.289
OSRI18	0.501	0.081	0.194	-0.199

Table SF112: Factor Loadings for OSRI Items (Oblimin Rotation).

As in Table SF112, the items OSRI2, OSRI7, OSRI12, OSRI14, OSRI16, and OSRI18, referring to creative

expression and social interaction, load onto Factor 1 in Table SF113. The inclusion of the supplementary items diminished the factor loadings of OSRI4, OSRI6, OSRI8, OSRI10 and OSRI17 below 0.40. Also, the supplementary item OSRI19 is cross-loading and therefore not considered in the primary loadings and the supplementary items OSRI20 did not exceed the threshold of 0.40.

Item	F1	F2	F3	F4
OSRI1	0.000	0.587	-0.001	-0.097
OSRI2	0.436	0.154	0.031	-0.307
OSRI3	-0.069	-0.011	0.537	-0.086
OSRI4	0.175	-0.151	0.368	0.069
OSRI5	-0.101	0.110	-0.124	0.412
OSRI6	0.008	0.352	0.243	0.213
OSRI7	0.412	-0.068	0.089	-0.017
OSRI8	0.018	0.305	0.064	0.312
OSRI9	0.032	0.070	0.488	-0.051
OSRI10	-0.035	0.230	0.349	0.341
OSRI11	0.242	0.024	0.408	0.035
OSRI12	0.441	-0.090	0.240	0.008
OSRI13	0.033	0.561	-0.036	0.086
OSRI14	0.582	-0.041	-0.038	0.057
OSRI15	-0.032	0.705	-0.002	-0.036
OSRI16	0.547	-0.065	-0.044	0.050
OSRI17	0.053	0.289	0.114	0.265
OSRI18	0.504	0.051	0.165	-0.285
OSRI19	0.460	0.173	-0.173	0.300
OSRI20	0.090	-0.086	-0.241	0.370

Table SF113: Factor Loadings for OSRI and Supplementary Items (Oblimin Rotation).

5.13. Exploratory Factor Analysis - MSPD Items - Including Supplementary Items

We conducted EFA for the full dataset comprising MSPD items to inspect different groups. To determine the optimal number of factors, we computed (a) EKC and (b) PA as factor retention methods. While the EKC suggests eight factors as sufficient, the PA suggests six. Based on the factor loadings in Table SF115, Factor 1 has an eigenvalue (variance explained) of 10.42 (0.19), Factor 2 of 6.51 (0.12), Factor 3 of 4.52 (0.08), Factor 4 of 4.10 (0.07), Factor 5 of 3.77 (0.07) and Factor 6 of 1.72 (0.03). The loading of Table SF114 shows that the BID and SID factors are combined into a single factor. The BGD and SGD items are organized into the following factors: one factor for items measuring subtle and group discrimination against men, another for items measuring subtle and group discrimination against women, two factors for items measuring subtle group discrimination against non-cisgender individuals, and one factor for blatant and subtle group discrimination against non-cisgender individuals, see Table SF54.

Item	F1	F2	F3	F4	F5	F6
MSPD1a	-0.062	0.043	0.715	-0.015	-0.030	0.127
MSPD1b	-0.113	0.054	-0.018	0.689	-0.031	0.214
MSPD1c	0.220	0.058	-0.061	0.203	0.163	0.583
MSPD1d	0.250	0.018	0.003	0.108	0.160	0.582
MSPD1e	0.345	0.058	0.037	0.097	0.100	0.503
MSPD2a	-0.031	-0.005	0.789	-0.085	0.028	0.078

MSPD2b	0.049	0.032	-0.077	0.774	-0.007	0.137
MSPD2c	0.630	0.030	-0.085	0.148	-0.020	0.270
MSPD2d	0.646	0.025	-0.040	0.097	-0.020	0.307
MSPD2e	0.695	0.043	-0.019	0.051	-0.022	0.254
MSPD3a	-0.037	-0.023	0.791	-0.019	-0.041	0.015
MSPD3b	0.209	0.007	-0.025	0.672	-0.025	0.078
MSPD3c	0.719	-0.016	-0.067	0.123	0.031	0.136
MSPD3d	0.771	0.008	-0.012	0.002	0.030	0.138
MSPD3e	0.801	0.028	-0.003	-0.021	0.028	0.096
MSPD4a	0.050	-0.032	0.758	0.010	-0.056	-0.024
MSPD4b	0.228	0.106	0.022	0.643	-0.044	-0.022
MSPD4c	0.732	0.061	-0.020	0.160	-0.012	0.038
MSPD4d	0.765	0.058	-0.003	0.118	-0.016	0.050
MSPD4e	0.797	0.069	-0.003	0.073	-0.051	0.028
MSPD5a	0.105	-0.054	0.781	0.061	-0.010	0.024
MSPD5b	0.074	0.084	0.137	0.657	-0.051	0.004
MSPD5c	0.677	0.017	0.041	0.035	0.113	0.189
MSPD5d	0.711	0.031	0.063	-0.024	0.111	0.173
MSPD5e	0.779	0.031	0.083	-0.039	0.067	0.115
MSPD6a	0.007	0.002	0.733	0.005	-0.037	-0.162
MSPD6b	0.260	0.042	0.048	0.677	-0.019	-0.241
MSPD6c	0.855	0.030	-0.056	0.111	0.047	-0.217
MSPD6d	0.891	0.034	-0.019	0.033	0.056	-0.214
MSPD6e	0.888	0.055	0.004	0.014	0.042	-0.225
MSPD7a	0.070	0.116	0.573	0.047	0.014	-0.002
MSPD7b	-0.064	0.002	0.058	0.628	0.126	-0.036
MSPD7c	0.450	0.038	-0.050	0.116	0.317	0.139
MSPD7d	0.507	-0.002	0.008	0.067	0.309	0.127
MSPD7e	0.521	0.018	0.012	0.044	0.291	0.090
MSPD8a	-0.068	0.104	0.565	0.130	0.132	-0.030
MSPD8b	-0.202	0.083	0.112	0.571	0.422	-0.089
MSPD8c	-0.034	0.022	-0.030	0.037	0.905	0.003
MSPD8d	0.004	0.001	0.006	0.009	0.917	-0.003
MSPD8e	0.061	0.006	0.008	0.012	0.854	-0.006
MSPD9a	-0.030	0.092	0.540	0.060	0.093	-0.066
MSPD9b	0.007	0.111	0.040	0.548	0.218	-0.035
MSPD9c	0.367	0.045	-0.059	0.002	0.499	0.108
MSPD9d	0.400	0.054	-0.020	-0.057	0.496	0.103
MSPD9e	0.446	0.082	-0.025	-0.063	0.433	0.097
MSPD10a	0.018	0.822	0.037	0.005	0.020	0.029
MSPD10b	-0.018	0.853	0.011	-0.009	0.033	0.013
MSPD10c	-0.022	0.797	-0.020	-0.043	-0.012	-0.024
MSPD10d	-0.004	0.819	-0.059	0.034	-0.081	-0.034
MSPD10e	0.020	0.714	-0.018	-0.001	-0.044	-0.036
MSPD10f	-0.006	0.873	0.060	-0.072	-0.019	0.037
MSPD10g	-0.002	0.749	-0.028	0.005	-0.126	-0.060
MSPD10h	0.017	0.788	-0.002	0.031	0.053	-0.014
MSPD10i	0.012	0.818	-0.024	0.032	0.042	0.016

MSPD10j	-0.039	0.742	0.041	0.018	0.055	0.024

Table SF114: Factor Loadings for MSPD Items (Oblimin Rotation).

Table SF115 shows that the inclusion of the supplementary items does not alter the structure of the factor loadings compared to Table SF114. Also in Table SF115, the items MSPD2c–e, MSPD3c–e, MSPD4c–e, MSPD5c–e, MSPD6c–e and MSPD7e load onto Factor 1. The items MSPD10a–j load together with the supplementary items MSPD10k–l onto Factor 2. Also MSPD1a–9a load onto Factor 3, MSPD1b–7b, and MSPD9b onto Factor 4. MSPD8c–e load onto Factor 5 without the MSPD9c–e items as they are cross-loading. And the MSPD1c–e items load onto Factor 6.

Item	**F1**	**F2**	**F3**	**F4**	**F5**	**F6**
MSPD1a	-0.059	0.043	0.716	-0.015	-0.029	0.126
MSPD1b	-0.110	0.052	-0.018	0.692	-0.031	0.212
MSPD1c	0.245	0.055	-0.059	0.204	0.161	0.569
MSPD1d	0.276	0.012	0.006	0.110	0.159	0.567
MSPD1e	0.366	0.058	0.039	0.098	0.098	0.492
MSPD2a	-0.030	-0.003	0.789	-0.087	0.028	0.079
MSPD2b	0.048	0.031	-0.079	0.778	-0.006	0.136
MSPD2c	0.638	0.035	-0.087	0.147	-0.020	0.264
MSPD2d	0.655	0.030	-0.042	0.095	-0.021	0.301
MSPD2e	0.705	0.045	-0.019	0.051	-0.023	0.247
MSPD3a	-0.037	-0.026	0.791	-0.019	-0.040	0.016
MSPD3b	0.210	0.002	-0.025	0.676	-0.024	0.074
MSPD3c	0.723	-0.013	-0.068	0.122	0.031	0.132
MSPD3d	0.776	0.010	-0.013	0.002	0.029	0.134
MSPD3e	0.807	0.027	-0.004	-0.020	0.027	0.091
MSPD4a	0.047	-0.033	0.758	0.010	-0.055	-0.022
MSPD4b	0.227	0.097	0.023	0.651	-0.044	-0.026
MSPD4c	0.733	0.061	-0.020	0.162	-0.013	0.034
MSPD4d	0.767	0.058	-0.003	0.119	-0.016	0.045
MSPD4e	0.799	0.068	-0.003	0.075	-0.052	0.023
MSPD5a	0.102	-0.049	0.778	0.057	-0.008	0.026
MSPD5b	0.070	0.082	0.136	0.660	-0.050	0.005
MSPD5c	0.686	0.020	0.040	0.035	0.112	0.181
MSPD5d	0.719	0.035	0.063	-0.025	0.110	0.165
MSPD5e	0.786	0.032	0.083	-0.039	0.065	0.108
MSPD6a	0.001	-0.004	0.734	0.007	-0.036	-0.160
MSPD6b	0.250	0.036	0.047	0.682	-0.019	-0.242
MSPD6c	0.851	0.029	-0.058	0.112	0.046	-0.222
MSPD6d	0.888	0.033	-0.020	0.035	0.054	-0.219
MSPD6e	0.884	0.054	0.003	0.015	0.041	-0.230
MSPD7a	0.072	0.113	0.575	0.048	0.014	-0.004
MSPD7b	-0.070	0.003	0.056	0.630	0.127	-0.033
MSPD7c	0.460	0.036	-0.049	0.118	0.315	0.131
MSPD7d	0.516	-0.003	0.008	0.068	0.307	0.119
MSPD7e	0.529	0.017	0.012	0.046	0.289	0.083
MSPD8a	-0.068	0.101	0.566	0.132	0.132	-0.029
MSPD8b	-0.210	0.088	0.110	0.572	0.421	-0.084

MSPD8c	-0.030	0.024	-0.030	0.038	0.902	0.004
MSPD8d	0.008	0.004	0.007	0.010	0.914	-0.002
MSPD8e	0.063	0.013	0.008	0.011	0.852	-0.004
MSPD9a	-0.028	0.086	0.542	0.062	0.092	-0.070
MSPD9b	0.008	0.106	0.041	0.554	0.217	-0.041
MSPD9c	0.384	0.034	-0.055	0.007	0.495	0.093
MSPD9d	0.417	0.043	-0.016	-0.052	0.493	0.087
MSPD9e	0.463	0.072	-0.021	-0.058	0.429	0.082
MSPD10a	0.035	0.803	0.053	0.019	0.012	0.016
MSPD10b	0.001	0.832	0.028	0.007	0.024	-0.003
MSPD10c	0.000	0.762	-0.000	-0.021	-0.020	-0.044
MSPD10d	0.017	0.786	-0.040	0.055	-0.089	-0.054
MSPD10e	0.042	0.675	0.001	0.021	-0.051	-0.056
MSPD10f	0.009	0.863	0.075	-0.061	-0.028	0.026
MSPD10g	0.015	0.717	-0.010	0.025	-0.132	-0.077
MSPD10h	0.022	0.795	0.007	0.035	0.046	-0.017
MSPD10i	0.016	0.831	-0.016	0.034	0.034	0.014
MSPD10j	-0.043	0.775	0.045	0.011	0.049	0.030
MSPD10k	-0.040	0.907	-0.053	-0.020	0.020	0.025
MSPD10l	-0.032	0.938	-0.043	-0.054	0.011	0.032

Table SF115: Factor Loadings for MSPD and Supplementary Items (Oblimin Rotation).

5.14. Principal Component Analysis - All Items

We conducted a PCA to check whether we can reduce the number of dimensions in our data. We find that we cannot identify clear patterns using PCA and present the results in SF116.

Item	PC1	PC2	PC3	PC4	PC5	PC6	PC7
MIQ1	-0.221	-0.160	0.287	-0.074	0.237	0.337	0.224
MIQ3	0.013	-0.532	-0.305	0.089	0.079	0.035	0.095
MIQ4	0.045	0.492	0.337	-0.063	-0.014	0.060	0.067
MIQ5	0.018	0.726	0.298	-0.062	-0.100	0.060	0.043
MIQ6	0.338	0.165	-0.306	0.075	-0.366	-0.091	0.139
MIQ7	0.438	0.142	-0.299	0.026	-0.428	-0.066	0.140
MIQ9	0.506	0.213	-0.329	-0.031	-0.295	-0.152	0.049
MIQ10	0.494	0.276	-0.320	-0.038	-0.254	-0.101	0.016
TCS1	-0.451	-0.177	0.416	0.095	0.385	0.237	0.154
TCS2	-0.494	-0.190	0.403	0.058	0.395	0.305	0.169
TCS3	-0.481	-0.249	0.398	0.036	0.425	0.245	0.136
TCS4	-0.297	-0.199	0.347	-0.037	0.407	0.356	0.248
TCS5	-0.158	-0.188	0.376	-0.061	0.381	0.382	0.181
OSRI1	0.087	0.232	0.025	0.188	-0.007	-0.004	0.250
OSRI2	0.207	-0.131	-0.115	0.102	0.008	0.168	0.380
OSRI3	0.379	0.040	-0.098	-0.046	-0.020	-0.070	0.093
OSRI4	0.173	-0.043	-0.072	0.095	0.036	0.034	0.161
OSRI5	-0.312	0.220	0.090	0.025	0.086	-0.015	0.022
OSRI6	0.107	0.308	0.047	0.175	-0.008	0.030	0.311
OSRI7	0.110	-0.271	-0.128	0.130	0.002	0.157	0.293

OSRI8	-0.115	0.262	0.064	0.209	-0.004	0.069	0.194
OSRI9	0.293	-0.014	-0.164	0.112	-0.047	-0.006	0.180
OSRI10	0.055	0.227	-0.079	0.126	0.055	-0.108	0.244
OSRI11	0.249	0.009	-0.208	0.113	0.061	0.024	0.318
OSRI12	0.208	-0.229	-0.118	0.098	-0.020	0.083	0.367
OSRI13	0.041	0.372	0.148	0.139	-0.024	0.091	0.313
OSRI14	0.048	-0.161	-0.042	0.186	0.089	0.139	0.385
OSRI15	0.056	0.359	0.060	0.218	0.001	0.015	0.271
OSRI16	0.092	-0.278	-0.126	0.173	0.055	0.133	0.352
OSRI17	-0.030	0.260	0.073	0.157	0.054	0.006	0.250
OSRI18	0.305	-0.124	-0.170	0.079	-0.042	0.124	0.398
SOQ1a	0.108	-0.519	-0.420	-0.192	0.375	-0.155	0.086
SOQ1b	0.257	0.287	-0.414	-0.396	0.390	0.019	0.019
SOQ1c	-0.026	0.697	0.163	-0.193	0.165	0.195	-0.066
SOQ1d	0.250	0.335	-0.424	-0.405	0.348	0.070	-0.029
SOQ1e	0.366	0.293	-0.394	-0.393	0.207	0.090	0.042
SOQ2a	0.160	-0.640	-0.407	-0.037	0.171	-0.117	0.189
SOQ2b	0.501	0.163	-0.363	-0.122	-0.101	0.091	0.348
SOQ2c	0.115	0.721	0.237	-0.003	-0.117	0.215	0.037
SOQ2d	0.529	0.286	-0.316	-0.152	-0.199	0.134	0.247
SOQ2e	0.586	0.216	-0.307	-0.143	-0.250	0.137	0.273
SOQ3a	0.160	-0.467	-0.445	-0.253	0.427	-0.178	0.023
SOQ3b	0.307	0.304	-0.425	-0.445	0.482	0.004	-0.072
SOQ3c	0.007	0.714	0.098	-0.254	0.278	0.184	-0.115
SOQ3d	0.291	0.347	-0.433	-0.445	0.443	0.026	-0.108
SOQ3e	0.378	0.328	-0.431	-0.434	0.329	0.069	-0.043
MSPD1a	0.013	0.364	-0.006	0.439	0.286	-0.359	0.063
MSPD1b	0.549	0.005	-0.037	0.091	-0.034	-0.130	0.153
MSPD1c	0.714	-0.098	0.301	-0.142	0.001	-0.060	-0.000
MSPD1d	0.625	-0.113	0.351	-0.121	0.042	-0.100	-0.025
MSPD1e	0.677	-0.068	0.294	-0.100	0.029	-0.077	0.022
MSPD2a	-0.028	0.353	-0.003	0.418	0.345	-0.402	0.032
MSPD2b	0.696	-0.060	0.070	0.054	-0.012	-0.077	0.098
MSPD2c	0.781	-0.135	0.261	-0.190	-0.048	-0.029	-0.001
MSPD2d	0.758	-0.147	0.296	-0.171	-0.019	-0.059	-0.044
MSPD2e	0.764	-0.126	0.278	-0.165	-0.013	-0.031	-0.012
MSPD3a	-0.077	0.336	-0.001	0.468	0.334	-0.375	0.066
MSPD3b	0.684	-0.078	0.170	0.066	0.056	-0.040	0.091
MSPD3c	0.776	-0.126	0.317	-0.176	-0.043	-0.013	0.038
MSPD3d	0.741	-0.128	0.338	-0.144	-0.024	-0.022	0.003
MSPD3e	0.750	-0.133	0.312	-0.141	-0.004	-0.009	0.022
MSPD4a	-0.006	0.332	0.003	0.433	0.338	-0.371	0.084
MSPD4b	0.724	-0.045	0.033	0.131	0.009	-0.077	0.084
MSPD4c	0.806	-0.117	0.237	-0.095	-0.028	-0.035	-0.008
MSPD4d	0.802	-0.117	0.257	-0.088	-0.037	-0.047	-0.014
MSPD4e	0.783	-0.110	0.228	-0.102	-0.044	-0.019	0.007
MSPD5a	0.109	0.334	0.086	0.434	0.315	-0.420	0.050
MSPD5b	0.585	0.037	0.018	0.223	0.102	-0.115	0.078
MSPD5c	0.763	-0.081	0.351	-0.120	0.034	-0.055	-0.041

MSPD5d	0.742	-0.084	0.372	-0.100	0.051	-0.048	-0.074
MSPD5e	0.746	-0.076	0.344	-0.097	0.062	-0.030	-0.010
MSPD6a	-0.068	0.336	-0.068	0.461	0.332	-0.354	0.037
MSPD6b	0.633	-0.041	0.066	0.185	0.066	-0.078	0.056
MSPD6c	0.775	-0.146	0.254	-0.098	-0.011	0.020	0.004
MSPD6d	0.753	-0.136	0.283	-0.087	0.007	0.017	-0.021
MSPD6e	0.748	-0.111	0.244	-0.078	0.023	0.024	0.013
MSPD7a	0.205	0.283	-0.019	0.380	0.282	-0.249	0.053
MSPD7b	0.479	0.006	0.041	0.172	0.049	-0.139	0.095
MSPD7c	0.755	-0.090	0.293	-0.123	0.018	-0.055	-0.009
MSPD7d	0.713	-0.121	0.352	-0.098	0.066	-0.081	-0.017
MSPD7e	0.707	-0.095	0.308	-0.104	0.067	-0.072	-0.015
MSPD8a	0.182	0.241	-0.001	0.453	0.291	-0.280	0.056
MSPD8b	0.516	0.011	0.072	0.274	0.155	-0.129	0.067
MSPD8c	0.549	-0.067	0.297	-0.040	0.150	-0.084	-0.061
MSPD8d	0.543	-0.076	0.334	-0.028	0.180	-0.094	-0.050
MSPD8e	0.569	-0.084	0.304	-0.040	0.163	-0.098	-0.045
MSPD9a	0.097	0.159	0.003	0.426	0.358	-0.242	0.009
MSPD9b	0.603	-0.016	0.081	0.169	0.134	-0.046	0.025
MSPD9c	0.682	-0.109	0.361	-0.121	0.073	-0.002	-0.063
MSPD9d	0.660	-0.119	0.383	-0.095	0.105	-0.003	-0.083
MSPD9e	0.683	-0.119	0.341	-0.102	0.101	0.021	-0.053
MSPD10a	0.601	0.011	-0.194	0.481	0.064	0.234	-0.182
MSPD10b	0.565	-0.064	-0.199	0.508	0.109	0.268	-0.198
MSPD10c	0.464	-0.061	-0.244	0.441	0.116	0.280	-0.227
MSPD10d	0.505	-0.074	-0.259	0.451	0.078	0.312	-0.164
MSPD10e	0.466	0.005	-0.225	0.391	0.070	0.271	-0.140
MSPD10f	0.546	0.082	-0.236	0.507	0.042	0.257	-0.186
MSPD10g	0.406	-0.022	-0.272	0.429	0.083	0.298	-0.175
MSPD10h	0.620	0.046	-0.230	0.428	0.029	0.235	-0.183
MSPD10i	0.634	0.014	-0.222	0.433	0.042	0.272	-0.182
MSPD10j	0.551	0.148	-0.195	0.442	0.018	0.246	-0.184
MIQ11	-0.318	-0.177	0.353	-0.051	0.373	0.311	0.106
MIQ12	0.112	-0.680	-0.329	0.029	0.031	0.032	-0.036
MIQ13	0.013	0.712	0.301	-0.048	-0.078	0.061	0.084
TCS6	-0.454	-0.204	0.431	0.085	0.413	0.240	0.139
TCS7	-0.015	-0.723	-0.308	0.079	0.118	-0.033	0.010
TCS8	-0.123	0.703	0.347	0.017	0.007	-0.012	0.103
OSRI19	-0.062	0.076	0.076	0.141	0.088	0.119	0.383
OSRI20	-0.473	-0.144	0.304	0.099	0.390	0.060	0.037
SOQ4a	0.012	0.691	0.089	-0.255	0.273	0.199	-0.120
SOQ4b	0.156	-0.439	-0.452	-0.238	0.427	-0.179	0.040
SOQ4c	0.295	0.343	-0.452	-0.448	0.450	0.044	-0.093
SOQ4d	0.314	0.303	-0.445	-0.446	0.483	0.013	-0.065
SOQ4e	0.387	0.329	-0.451	-0.428	0.320	0.072	-0.038
SOQ5a	0.106	0.689	0.269	-0.014	-0.118	0.232	0.025
SOQ5b	0.139	-0.625	-0.406	-0.077	0.158	-0.134	0.179
SOQ5c	0.534	0.274	-0.297	-0.168	-0.250	0.123	0.211
SOQ5d	0.532	0.132	-0.361	-0.140	-0.139	0.050	0.333

SOQ5e	0.581	0.203	-0.322	-0.177	-0.294	0.115	0.270
MSPD10k	0.596	0.028	-0.277	0.446	0.013	0.312	-0.200
MSPD10l	0.587	0.024	-0.260	0.469	0.036	0.332	-0.219

Table SF116: PCA Loadings of 7 Components Including Supplementary Items.

6. MGSI Robustness Tests

In section 4.2, we conducted an EFA on all the items that were drawn from the five scales. The purpose of this combined EFA was to explore the underlying factor structure across all items collectively, and thus validate the MGSI. To verify the robustness of our findings, we performed additional EFAs separately for each of the five scales. This allowed us to examine whether the factor structures identified within each individual scale aligned with the structure we found in the combined EFA.

For the MIQ scale, we selected a two-factor solution, as the first two eigenvalues were greater than 1, see Table SF117. As shown in bold in Table SF118, Factor 1 comprises MIQ4, MIQ5 and MIQ13, and Factor 2 comprises MIQ6, MIQ7, MIQ9 and MIQ10. The items of Factor 1 collectively assess a dimension of masculine gender identity and expression, and Factor 2 relates to gender fluidity and incongruence. However, we also examined a three-factor solution, since the third eigenvalue was still greater than 1, see Table SF117. The key difference was that the items MIQ6 and MIQ7 would load on Factor 2, and MIQ9 and MIQ10 would form an additional third factor. Thus, the original second factor would split into two. Given the interpretability and parsimony, we decided to retain the two-factor model.

Table SF117: Eigenvalues, Explained Variance, and Cumulative Variance for MIQ Items.

Factor	**Eigenvalue**	**Variance Explained**	**Cumulative Variance**
1	3.59	32.68	32.68
2	3.16	28.70	61.38
3	1.12	10.18	71.56
4	0.87	7.91	79.47
...	...	...	...
11	0.15	1.34	100.00

For the TCS scale, we chose a one-factor solution, as the first factor already explained the majority of the variance, see Table SF119. As shown in bold in Table SF120, the factor measures gender congruence and well-being — the degree to which a person feels alignment, satisfaction, and acceptance with their gender identity and its expression. Still, we checked a two-factor solution since the second eigenvalue also exceeded 1. In this model, TCS1–TCS6 would load on Factor 1, while TCS7 would load on a separate second factor. However, since only one item would define the second factor, we opted for the one-factor solution.

For the OSRI scale, we selected a two-factor solution, as the first two factors accounted for most of the explained variance, see Table SF121. As shown in bold in Table SF122, Factor 1 comprises OSRI2, OSRI7, OSRI11, OSRI12, OSRI14, OSRI16 and OSRI18, which according to De Roover and Vermunt (2019) are measuring masculinity, and Factor 2 comprises OSRI2, OSRI7, OSRI11, OSRI12, OSRI16 and OSRI18, all relating to femininity. We also tested a three-factor solution, since the third eigenvalue is greater than 1, see Table SF121. In this model, the first two factors remained unchanged, and a third factor emerged, comprising OSRI3 and OSRI9. However, since this third factor would include only two items and the first two eigenvalues were substantially higher, we ultimately retained the two-factor model.

Table SF118: Factor Loadings for MIQ Items on Two Factors.

Item	F1	F2
MIQ1	0.04	-0.39
MIQ3	-0.67	0.05
MIQ4	**0.64**	0.01
MIQ5	**0.92**	0.02
MIQ6	-0.03	**0.59**
MIQ7	-0.05	**0.65**
MIQ9	-0.00	**0.85**
MIQ10	0.06	**0.83**
MIQ11	0.07	-0.58
MIQ12	-0.79	0.05
MIQ13	**0.90**	0.03

Table SF119: Eigenvalues, Explained Variance, and Cumulative Variance for TCS Items.

Factor	Eigenvalue	Variance Explained	Cumulative Variance
1	4.20	52.51	52.51
2	1.72	21.48	73.99
3	0.85	10.58	84.57
...	...	...	...
8	0.16	2.04	100.00

Table SF122: Factor Loadings for OSRI Items on Two Factors.

Item	F1	F2
OSRI1	**0.49**	0.03
OSRI2	0.01	**0.51**
OSRI3	0.07	0.26
OSRI4	-0.00	0.34
OSRI5	0.30	-0.31
OSRI6	**0.52**	0.07
OSRI7	-0.02	**0.41**
OSRI8	**0.49**	-0.07
OSRI9	0.16	0.31
OSRI10	**0.49**	0.04
OSRI11	0.16	**0.42**
OSRI12	0.01	**0.52**
OSRI13	**0.57**	-0.02
OSRI14	0.03	**0.45**
OSRI15	**0.62**	-0.01
OSRI16	0.00	**0.42**
OSRI17	**0.46**	0.01
OSRI18	-0.04	**0.64**
OSRI19	0.30	0.18
OSRI20	0.07	-0.20

Table SF120: Factor Loadings for TCS Items on One Factor.

Item	F1
TCS1	**0.85**
TCS2	**0.91**
TCS3	**0.85**
TCS4	**0.67**
TCS5	**0.58**
TCS6	**0.87**
TCS7	0.07
TCS8	0.11

Table SF121: Eigenvalues, Explained Variance, and Cumulative Variance for OSRI Items.

Factor	Eigenvalue	Variance Explained	Cumulative Variance
1	3.21	16.04	16.04
2	2.58	12.92	28.96
3	1.73	8.67	37.63
...	...	...	...
20	0.48	2.40	100.00

For the MSPD scale, we chose a five-factor solution, as the first five eigenvalues were well above 1, see Table SF123. Although an eight-factor solution was also technically justifiable (with all eigenvalues greater than 1), it resulted in the original Factor 1 splitting: items from MSPD4, MSPD6, and MSPD9 would redistribute across three new factors. Given that these items conceptually measure the same construct, we maintained the five-factor model for clarity and interpretability.

Table SF123: Eigenvalues, Explained Variance, and Cumulative Variance for MSPD Items

Factor	Eigenvalue	Variance Explained	Cumulative Variance
1	22.20	40.36	40.36
2	6.79	12.34	52.70
3	3.82	6.94	59.64
4	2.34	4.25	63.89
5	2.07	3.78	67.67
6	1.30	2.37	70.04
7	1.26	2.30	72.34
8	1.02	1.85	74.20
9	0.97	1.76	75.96
...	...	...	...
55	0.04	0.06	100.00

Table SF124: Factor Loadings for MSPD Items on Five Factors.

Item	F1	F2	F3	F4	F5
MSPD1a	0.03	0.03	-0.03	**0.72**	-0.04
MSPD1b	0.06	0.03	-0.01	0.01	**0.60**

Table SF124: Factor Loadings for MSPD Items on Five Factors (continued).

Item	F1	F2	F3	F4	F5
MSPD1c	**0.69**	-0.01	0.10	-0.02	0.06
MSPD1d	**0.72**	-0.05	0.10	0.05	-0.04
MSPD1e	**0.75**	0.01	0.04	0.08	-0.04
MSPD2a	0.03	0.00	0.02	**0.79**	-0.10
MSPD2b	0.16	0.02	0.00	-0.06	**0.72**
MSPD2c	**0.84**	0.01	-0.06	-0.08	0.09
MSPD2d	**0.89**	0.00	-0.06	-0.03	0.01
MSPD2e	**0.90**	0.02	-0.07	-0.01	-0.02
MSPD3a	-0.03	-0.03	-0.03	**0.81**	-0.03
MSPD3b	0.26	-0.02	-0.03	-0.02	**0.67**
MSPD3c	**0.82**	-0.03	0.00	-0.07	0.10
MSPD3d	**0.88**	-0.01	-0.01	-0.01	-0.03
MSPD3e	**0.89**	0.02	-0.02	0.00	-0.05
MSPD4a	0.01	-0.04	-0.03	**0.76**	0.03
MSPD4b	0.18	0.08	-0.02	0.02	**0.69**
MSPD4c	**0.74**	0.04	-0.03	-0.04	0.19
MSPD4d	**0.78**	0.04	-0.04	-0.02	0.15
MSPD4e	**0.80**	0.06	-0.07	-0.01	0.09
MSPD5a	0.11	-0.05	-0.02	**0.77**	0.07
MSPD5b	0.08	0.08	-0.02	0.15	**0.62**
MSPD5c	**0.85**	0.00	0.05	0.06	-0.02
MSPD5d	**0.88**	0.02	0.05	0.08	-0.08
MSPD5e	**0.90**	0.02	0.01	0.10	-0.08
MSPD6a	-0.15	0.01	0.00	**0.72**	0.06
MSPD6b	0.04	0.05	0.01	0.02	**0.77**
MSPD6c	**0.65**	0.05	0.02	-0.10	0.22
MSPD6d	**0.69**	0.05	0.02	-0.06	0.15
MSPD6e	**0.68**	0.08	0.00	-0.03	0.12
MSPD7a	0.06	0.11	-0.01	**0.55**	0.09
MSPD7b	-0.06	0.01	0.12	0.07	**0.61**
MSPD7c	**0.61**	0.02	0.19	-0.04	0.10
MSPD7d	**0.66**	-0.01	0.20	0.02	0.05
MSPD7e	**0.65**	0.01	0.18	0.02	0.02
MSPD8a	-0.07	0.11	0.10	**0.54**	0.15
MSPD8b	-0.22	0.10	0.43	0.11	0.56
MSPD8c	0.02	0.02	**0.93**	-0.04	0.04
MSPD8d	0.05	0.00	**0.95**	0.00	0.00
MSPD8e	0.11	0.01	**0.87**	0.00	0.00
MSPD9a	-0.03	0.10	0.00	**0.53**	0.08
MSPD9b	0.05	0.11	0.12	0.04	**0.56**
MSPD9c	**0.55**	0.02	0.31	-0.05	0.01
MSPD9d	**0.58**	0.03	0.31	-0.01	-0.05
MSPD9e	**0.62**	0.06	0.25	-0.02	-0.06
MSPD10a	0.05	**0.79**	0.00	0.05	0.03
MSPD10b	0.01	**0.82**	0.01	0.03	0.03

Table SF124: Factor Loadings for MSPD Items on Five Factors (continued).

Item	F1	F2	F3	F4	F5
MSPD10c	-0.03	**0.73**	-0.01	0.01	0.01
MSPD10d	-0.04	**0.75**	-0.05	-0.03	0.10
MSPD10e	-0.02	**0.63**	-0.02	0.00	0.07
MSPD10f	0.03	**0.85**	-0.01	0.08	-0.06
MSPD10g	-0.06	**0.68**	-0.10	0.00	0.06
MSPD10h	0.02	**0.81**	0.03	0.00	0.04
MSPD10i	0.04	**0.84**	0.01	-0.02	0.03
MSPD10j	0.00	**0.80**	0.03	0.04	-0.02
MSPD10k	-0.01	**0.93**	0.01	-0.05	-0.05
MSPD10l	0.00	**0.96**	0.01	-0.04	-0.08

For the SOQ scale, we selected a three-factor solution supported by clearly larger eigenvalues for the first three factors, see Table SF125. As shown in Table SF126, Factor 1 comprises SOQ1b, SOQ1d, SOQ1e, SOQ3b-e, SOQ4a, and SOQ4c-e, which reflect romantic and sexual behavior involving gender-diverse individuals, including trans and non-binary partners. Factor 2 includes SOQ1a, SOQ2a, SOQ3a, SOQ4b, and SOQ5b, capturing aspects of romantic, sexual, and emotional involvement with cisgender men. Factor 3 comprises SOQ2b, SOQ2c, SOQ2e, and SOQ5c-e, which are related to sexual attraction toward gender-diverse individuals, independent of behavior. A four-factor solution was also considered, as the fourth eigenvalue was slightly above 1. However, this did not alter the structure of the first three factors. Therefore, we retained the three-factor model as the most parsimonious and interpretable solution.

Table SF125: Eigenvalues, Explained Variance, and Cumulative Variance for SOQ Items

Factor	Eigenvalue	Variance Explained	Cumulative Variance
1	9.08	36.32	36.32
2	6.18	24.72	61.04
3	3.55	14.21	75.25
4	1.03	4.13	79.38
5	1.00	4.01	83.39
6	0.70	2.79	86.18
...	...	...	...
25	0.01	0.06	100.00

Table SF126: Factor Loadings for SOQ Items on Two Factors.

Item	F1	F2	F3
SOQ1a	0.30	**0.80**	-0.08
SOQ1b	**0.69**	0.11	0.12
SOQ1c	0.39	-0.71	-0.10
SOQ1d	**0.70**	-0.01	0.13
SOQ1e	**0.54**	0.01	0.33
SOQ2a	0.01	**0.83**	0.14
SOQ2b	0.10	0.13	**0.74**
SOQ2c	0.07	-0.78	0.25

SOQ2d	0.10	-0.11	**0.81**
SOQ2e	0.03	-0.05	**0.88**
SOQ3a	0.45	**0.77**	-0.10
SOQ3b	**0.89**	0.09	0.04
SOQ3c	**0.60**	-0.68	-0.17
SOQ3d	**0.89**	0.00	0.05
SOQ3e	**0.76**	0.00	0.23
SOQ4a	**0.59**	-0.67	-0.16
SOQ4b	0.45	**0.75**	-0.10
SOQ4c	**0.90**	0.01	0.06
SOQ4d	**0.90**	0.10	0.05
SOQ4e	**0.76**	0.00	0.24
SOQ5a	0.06	-0.78	0.22
SOQ5b	0.03	**0.82**	0.14
SOQ5c	0.08	-0.12	**0.81**
SOQ5d	0.09	0.16	**0.76**
SOQ5e	0.02	-0.02	**0.90**

As the next step, we compared the results of the individual EFAs with the factor structure of the MGSI. Regarding the differences, we observed that MIQ1 does not load on any factor in the individual analysis, unlike in the MGSI. Furthermore, MGSI Factors 6, 9, 11, and 12 merge into a single coherent factor when conducting EFA for the MSPD items individually, which we label as Factor 1 in the MSPD EFA. Additionally, we identified that the items SOQ1a, SOQ2a, SOQ3a, SOQ4b, and SOQ5b – all referring to men – which were not loading greater than 0.40 in the MGSI, form an additional factor (Factor 2) in the SOQ EFA. Instead, in the MGSI only SOQ3a loads on Factor 5 together with items referring to non-cisgender individuals.

Despite these differences, there are several strong similarities. MGSI Factor 1 corresponds to items MSPD10a-j, which also form a distinct factor (Factor 2) when the MSPD scale is analyzed separately. MGSI Factor 2 includes MSPD1a-9a, which align with Factor 4 in the separate MSPD analysis. MGSI Factor 3 consists of MIQ4, MIQ5, SOQ1c, and SOQ2c. When the MIQ scale is analyzed separately, the items MIQ4 and MIQ5 also form a distinct factor (Factor 1). While MIQ1 does not load in the individual analysis, all TCS items clearly load on a single factor in the individual analysis of TCS items, consistent with the MGSI Factor 4. MGSI Factor 5 mostly overlaps with our Factor 1, except that in our model, SOQ3a loads separately. MGSI Factor 6 contains MSPD1c–e, MSPD2c–e, MSPD3c–e, MSPD5d–e, and MSPD7e, while in the MSPD EFA these items together with MSPD4c–e, MSPD6c–e, and MSPD9c–e (which are part of MGSI Factors 9, 11, and 12) form a unified factor (Factor 1), which is also conceptually coherent. Furthermore, MGSI Factor 7 includes MSPD8c–e, which also load together on Factor 3 in the individual analysis of MSPD. MGSI Factor 8, containing MSPD1b, MSPD2b, MSPD3b, MSPD5b, and MSPD7b, corresponds to Factor 5 in the individual analysis of MSPD items. Finally, MGSI Factor 10 corresponds to Factor 3 in the individual analysis of SOQ items, which includes SOQ2b, SOQ2d, SOQ2e, and SOQ5c-5e.

Overall, this comparison shows a high degree of conceptual overlap between the factor structures, supporting the robustness of the MGSI. Based on this comparison, we can confidently conclude that the factor structures are largely consistent across the analyses.

References

Bem, S.L. 1974. The measurement of psychological androgyny. *Journal of Consulting and Clinical Psychology* **42**(2) 155.

Berry, W.D. 1985. *Multiple regression in practice*. Sage.

Brenøe, A.A., Heursen, L., Ranehill, E., Weber, R.A. 2022. Continuous gender identity and economics. *AEA Papers and Proceedings* **112** 573–577.

Croteau, Terri A, Morrison, Todd G. 2023. Development of the nonbinary gender microaggressions (nbgm) scale. *International Journal of Transgender Health* **24**(4) 417–435.

De Roover, K., Vermunt, J.K. 2019. On the exploratory road to unraveling factor loading non-invariance: A new multigroup rotation approach. *Structural Equation Modeling: A Multidisciplinary Journal* **26**(6) 905–923.

Eagly, A.H. 1987. Reporting sex difference. *American Psychologist Journal of the American Psychological Association* **42**(7).

Egan, S.K., Perry, D.G. 2001. Gender identity: A multidimensional analysis with implications for psychosocial adjustment. *Developmental Psychology* **37**(4) 451–463.

Gruber, Freya M, Distlberger, Eva, Scherndl, Thomas, Ortner, Tuulia M, Pletzer, Belinda. 2019. Psychometric properties of the multifaceted gender-related attributes survey (geras). *European Journal of Psychological Assessment* .

Helmreich, Robert L, Spence, Janet T, Wilhelm, John A. 1981. A psychometric analysis of the personal attributes questionnaire. *Sex Roles* **7**(11) 1097–1108.

Herek, Gregory M, Cogan, Jeanine C, Gillis, J Roy, Glunt, Eric K, et al. 1998. Correlates of internalized homophobia in a community sample of lesbians and gay men. *Journal of the Gay and Lesbian Medical Association* **2** 17–26.

Howard, M.C. 2016. A review of exploratory factor analysis decisions and overview of current practices: What we are doing and how can we improve? *International Journal of Human-Computer Interaction* **32**(1) 51–62.

Hyde, J.S., Bigler, R.S., Joel, D., Tate, C.C., van Anders, S.M. 2019. The future of sex and gender in psychology: Five challenges to the gender binary. *American Psychologist* **74**(2) 171.

Jacobson, R., Joel, D. 2018. An exploration of the relations between self-reported gender identity and sexual orientation in an online sample of cisgender individuals. *Archives of Sexual Behavior* **47** 2407–2426.

Jones, Bethany A, Bouman, Walter Pierre, Haycraft, Emma, Arcelus, Jon. 2019. The gender congruence and life satisfaction scale (gcls): Development and validation of a scale to measure outcomes from transgender health services. *International Journal of Transgenderism* **20**(1) 63–80.

Kachel, S., Steffens, M.C., Niedlich, C. 2016. Traditional masculinity and femininity: Validation of a new scale assessing gender roles. *Frontiers in Psychology* .

Kerr, Paula S, Holden, Ronald R. 1996. Development of the gender role beliefs scale (grbs). *Journal of Social Behavior and Personality* **11**(5) 3.

Kinsey, Alfred C, Pomeroy, Wardell B, Martin, Clyde E. 1949. Sexual behavior in the human male. *The Journal of Nervous and Mental Disease* **109**(3) 283.

Klein, Fritz, Sepekoff, Barry, Wolf, Timothy J. 1985. Sexual orientation: A multi-variable dynamic process. *Journal of Homosexuality* **11**(1-2) 35–49.

Kozee, H.B., Tylka, T.L., Bauerband, L.A. 2012. Measuring transgender individuals' comfort with gender identity and appearance: Development and validation of the transgender congruence scale. *Psychology of Women Quarterly* **36**(2) 179–196.

Lewis, Jioni A, Neville, Helen A. 2015. Construction and initial validation of the gendered racial microaggressions scale for black women. *Journal of Counseling Psychology* **62**(2) 289.

Magliozzi, D., Saperstein, A., Westbrook, L. 2016. Scaling up: Representing gender diversity in survey research. *Socius* **2**.

McGuire, Jenifer K, Berg, Dianne R, Catalpa, Jory M, Rider, G Nic, Steensma, Thomas D. 2019. Genderqueer identity scale. *Handbook of Sexuality-Related Measures*. Taylor and Francis, 355–359.

Mohr, Jonathan J, Kendra, Matthew S. 2011. Revision and extension of a multidimensional measure of sexual minority identity: the lesbian, gay, and bisexual identity scale. *Journal of Counseling Psychology* **58**(2) 234.

Molero, F., Recio, P., García-Ael, C., Fuster, M.J., Sanjuán, P. 2013. Measuring dimensions of perceived discrimination in five stigmatized groups. *Social Indicators Research* **114** 901–914.

Nadal, Kevin L. 2019. Measuring lgbtq microaggressions: The sexual orientation microaggressions scale (soms) and the gender identity microaggressions scale (gims). *Journal of Homosexuality* .

O'Brien, R.M. 2007. A caution regarding rules of thumb for variance inflation factors. *Quality & Quantity* **41** 673–690.

Parsons, T. 1942. Age and sex in the social structure of the united states. *American Sociological Review* 604–616.

Piasenti, S., Süer, M. 2024. Predictive power of biological sex and gender identity on economic behavior. Tech. rep., CRC TRR 190 Rationality and Competition.

Szymanski, Dawn M. 2006. Does internalized heterosexism moderate the link between heterosexist events and lesbians' psychological distress? *Sex Roles* **54** 227–234.

Tate, C.C., Bettergarcia, J.N., Brent, L.M. 2015. Re-assessing the role of gender-related cognitions for self-esteem: The importance of gender typicality for cisgender adults. *Sex Roles* **72**(5–6) 221–236.