Big Five Personality, Depression, and Anxiety:

Tests of a social support mediation model in an LGBTQ+ college student sample

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INTRODUCTIONS





Session Agenda

- Background
- Methods
- Results
- Discussion & Implications
- Questions





BACKGROUND



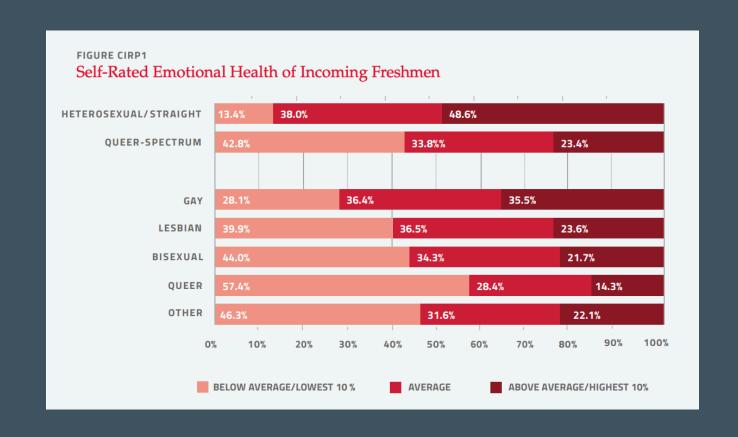


LGBTQ+ Mental Health on College Campuses





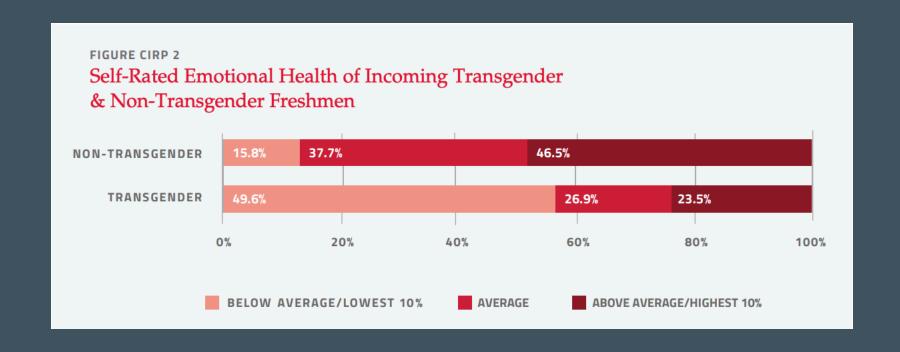
LGBTQ+ College Student Wellbeing







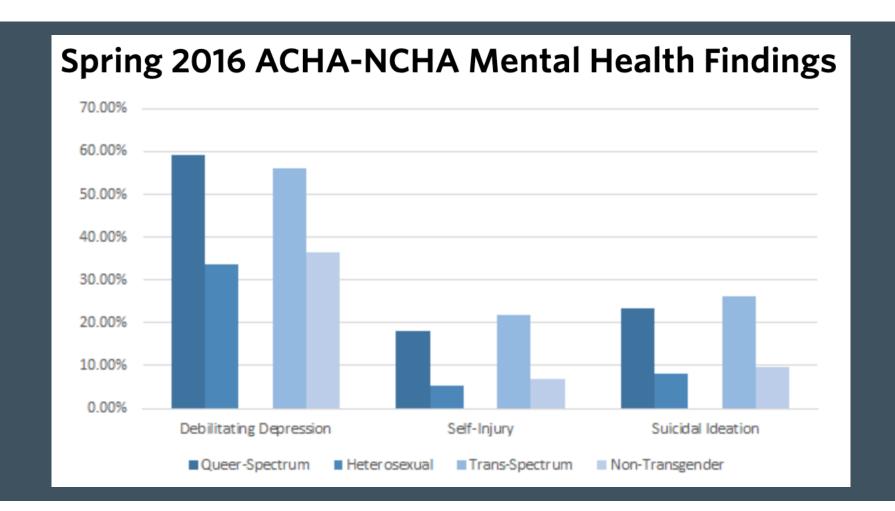
LGBTQ+ College Student Wellbeing (cont'd)







LGBTQ+ College Students & Depression







LGBTQ+ College Students & Anxiety

- ACHA-NCHA found that Anxiety was identified as an academic impediment for
 - 39.1% of Queer-Spectrum students compared to 22.1% of Heterosexual students
 - 39.5% of Trans-Spectrum students compared to 23.8% of cisgender students





LGBTQ+ College Students & Social Support

Students Who Felt Isolated From Campus Life



15.3%



Heterosexual Freshmen



16.4%



STUDENTS WHO FELT VERY LONELY IN THE LAST 12 MONTHS 1



Queer-Spectrum Students

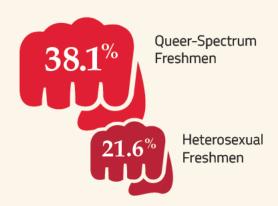


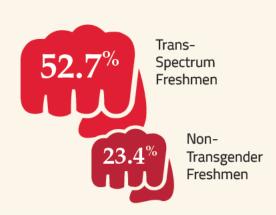
Trans-Spectrum Students



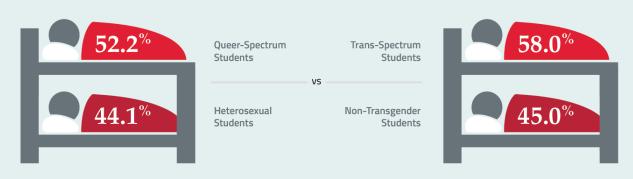


STUDENTS FEELING UNSAFE AFTER THEIR FIRST YEAR ON CAMPUS*5

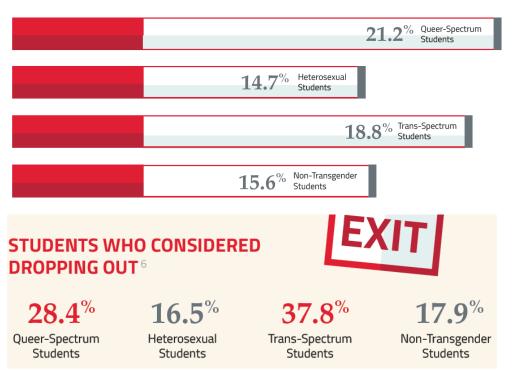




STUDENTS REPORTING THEY HAD DIFFICULTY GETTING ALONG WITH THEIR ROOMATE* 5



CIGARETTE SMOKING IN THE LAST 30 DAYS





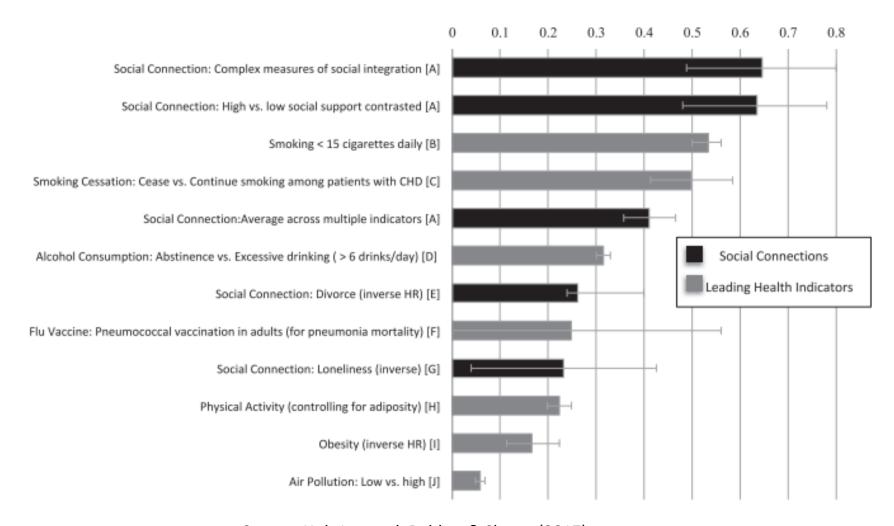


Social Support





The Importance of Social Connection







Rich Social Connections

- Increases happiness, life satisfaction, increases life span, significantly lowers your chances of getting sick, and has been shown to slow the progress of certain cancers (the slower growing types not the aggressive types).
- In other words, a meaningful and rich social life is one of the biggest predictors of who will be stressed and who will not.
- Smoking takes approx. 6 years off your life; so does having a rich social life





Social Connection is...

- Connections to others via the existence of relationships and their roles
 - Marital status, social networks, social integration, living alone, social isolation
- A sense of connection that results from actual or perceived support or inclusion
 - Received support, perceptions of social support, perceived loneliness
- The sense of connection to others that is based on positive and negative qualities
 - Martial quality, relationship strain, social inclusion/exclusion





Does social media help?

- Probably not
- What we are talking about are actual face-to-face interactions
- Highly connected people use social media to arrange more face-to-face connections (i.e., it can help)
- Unconnected people who use social media seem to get significantly worse (i.e., social comparison)





Advice?

- Make it a priority to build in genuine human contact into everyday
- Create a network of relationships in your life. Cultivate and prioritize this network as you would work, eating, and exercise.
- Adjust your screen time (e.g., no dinner time with everyone on the phone, meaningful talk with significant other/friends with NO electronics)





Introverts too?

- Reflective, cerebral, bookish, unassuming, sensitive, thoughtful, serious, contemplative, calm, modest, solitude seeking, shy, risk-averse
- About 25% of the population is introverted
- Yes, face-to-face contact is needed to be happy/healthy. Example, expressive social activities where you talk about your own inner world (exactly the type of stuff introverts avoid like the plague) is what seems to be important to do
- Extroverts: Give introverts the ability to control the time, place, and duration of their social contact. A gentle nudge here and there is likely to be helpful.





To Sum It Up

- Human beings are happier and healthier if we satisfy our universal need for meaningful and intimate human contact.
- Life is simply more enjoyable and the scary parts of life more manageable.
- Make it a priority in your life to find and maintain meaningful important relationships in your life.



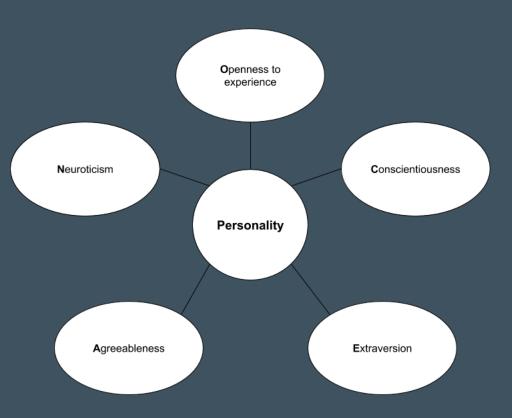


Looking at Personality





Five Factor Model "Big Five" of Personality



Adopts Trait Theory –
 individuals can be
 characterized in terms of
 relatively enduring, cross situationally consistent
 patterns that can be
 quantitatively assessed





Openness to Experience

- High Scores
 - Imaginative
 - Creative
 - Original
 - Prefers Variety
 - Curious
 - Liberal

- Low Scores:
 - Down-to-earth
 - Uncreative
 - Conventional
 - Conservative
 - Uninterested





Conscientiousness

- High Scores
 - Hard-Working
 - Well Organized
 - Punctual
 - Ambitious
 - Persevering
 - Goal-Driven

- Low Scores:
 - Negligent
 - Lazy
 - Disorganized
 - Late
 - Aimless
 - Quitting





Extraversion

- High Scores
 - Affectionate
 - Joiner
 - Talkative
 - Fun Loving
 - Active
 - Passionate

- Low Scores:
 - Reserved
 - Quiet
 - Passive





Agreeableness

- High Scores
 - Soft-hearted
 - Trusting
 - Generous
 - Acquiescent
 - Lenient

- Low Scores:
 - Suspicious
 - Stingy
 - Antagonistic
 - Critical
 - Irritable





Neuroticism

- High Scores
 - Anxious
 - Temperamental
 - Self-Pitying
 - Conscious
 - Emotional

- Low Scores:
 - Calm
 - Even-Tempered
 - Self-Satisfied
 - Comfortable
 - Unemotional





Big Five and Mental Health

- Factors for Depression:
 - • Neuroticism
 - Extraversion
 - Conscientiousness
- Factors for Anxiety:
 - • Neuroticism
- Factors for Perceived Social Support:
 - **1** Extraversion
 - • Neuroticism





Gaps in the Research





Moving forward with the research...

 How do the Big Five personality traits interact with social support as a mediator for depression and anxiety among LGBTQ+ populations??



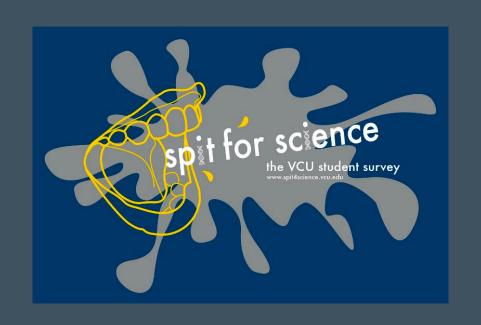


METHODS





Spit For Science (\$4\$)



- Longitudinal study of genetic and environmental influences on emotional health and substance use among college students
- ~70% voluntary participation of 1st year undergraduate students over 4 years



Study Population (n=1152)

- Sexual Orientation
 - 68% Bisexual
 - 31.1% Homosexual
 - 0.4% Questioning
 - 0.3% Queer
 - 0.2% Asexual
- Gender Identity
 - 67.9% Female
 - 32.1% Male

- Race & Ethnicity:
 - 59.1% White
 - 14.5% Black/AA
 - 11.1% Asian
 - 7.9% Bi-/Multi-Racial
 - 6.2% Hispanic/Latino
 - 0.6% Hawaiian/PI
 - 0.5% American Indian





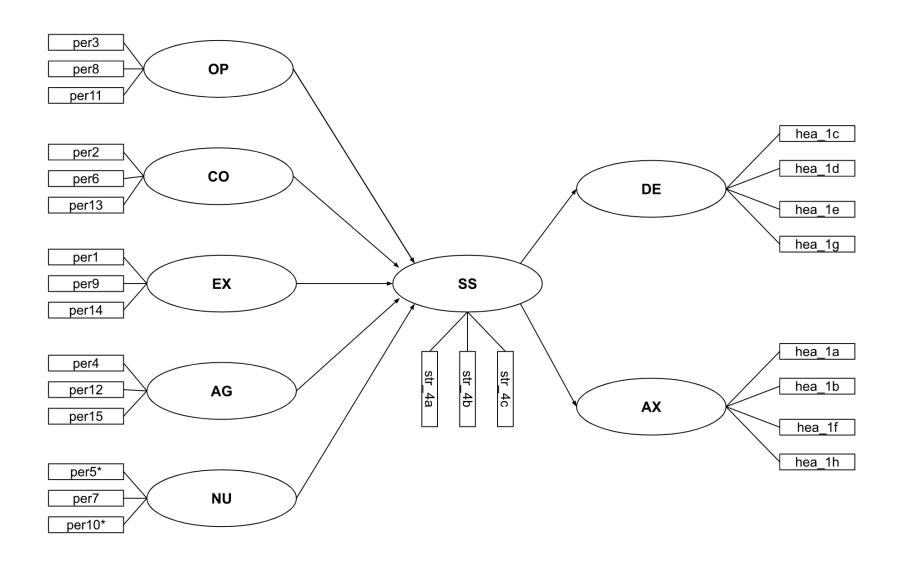
Measures

- Big Five Personality
 - 15-item survey 3 questions per factor, 1 to 5 Likert Scale
 - Ex. "tends to be quiet" → Extraversion
- Perceived Social Support
 - 3 items from the Medical Outcome Survey, 1 to 4 Likert Scale
 - Ex. "How often was someone available to get together with you for relaxation?"
- Depression & Anxiety
 - 4 items each from the Symptoms Checklist 90, 1 to 5 Likert Scale
 - Ex. ""Feeling fearful." → Anxiety; "Feeling hopeless about the future."
 → Depression





Hypothetical Model



RESULTS





We adopted Hu and Bentler's (1999)guidelines for assessing acceptable model fit, CFI≥ 0.95, SRMR≤ 0.08, and RMSEA≤ 0.06. In cases where the CFI value was below the suggested threshold, we then usedHu and Bentler's (1999)recommendation to simultaneously evaluate SRMR and RMSEA, with RMSEA≤ 0.06 and SRMR≤ 0.10.

Model Fit Statistics:

$$\chi^2(269, N = 1,152) = 817.32, p < .001$$

CFI = .93

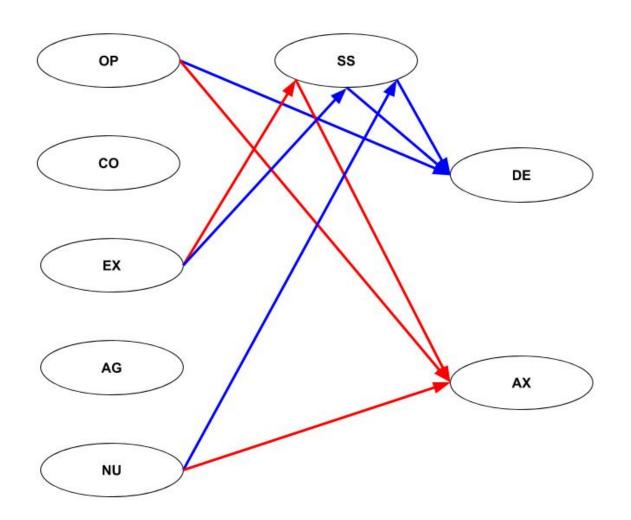
SRMR = .049

RMSEA = .042, 90% CI [.039, .045]





The Observed Model







in other words

- Pathways to Depression:

 - Extraversion → Depression
 Extraversion → Perceived Social Support → Depression
 Openness to Experience → Depression
- Pathways to Anxiety:
 - Neuroticism → Anxiety
 Extraversion → Anxiety

 - 宜 Extraversion → 📵 Perceived Social Support → 🛡 Anxiety





DISCUSSION & IMPLICATIONS



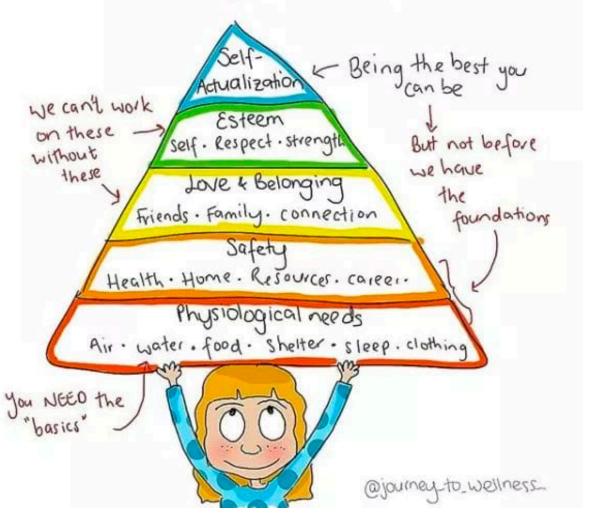


Limitations

- Self-Reported
- Cross sectional study



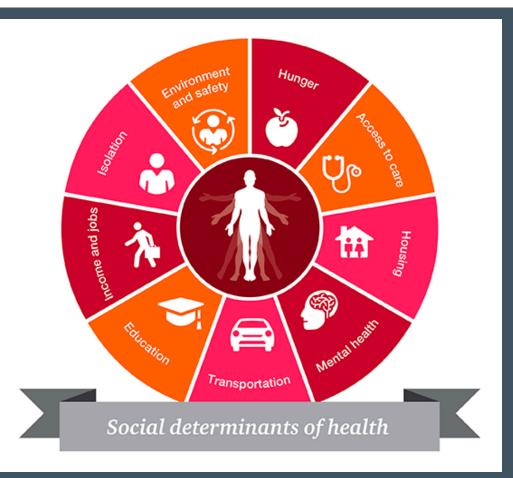
*MASLOW'S*Hierarchy of Needs







Assessing for SDOH



- Poverty & Employment
- Food Security
- Stable Living Conditions
- Experiences of Violence in the Home
- Perceptions of Discrimination and Equity
- Enrollment in Higher Education





Promoting Safety for LGBTQ+ Students

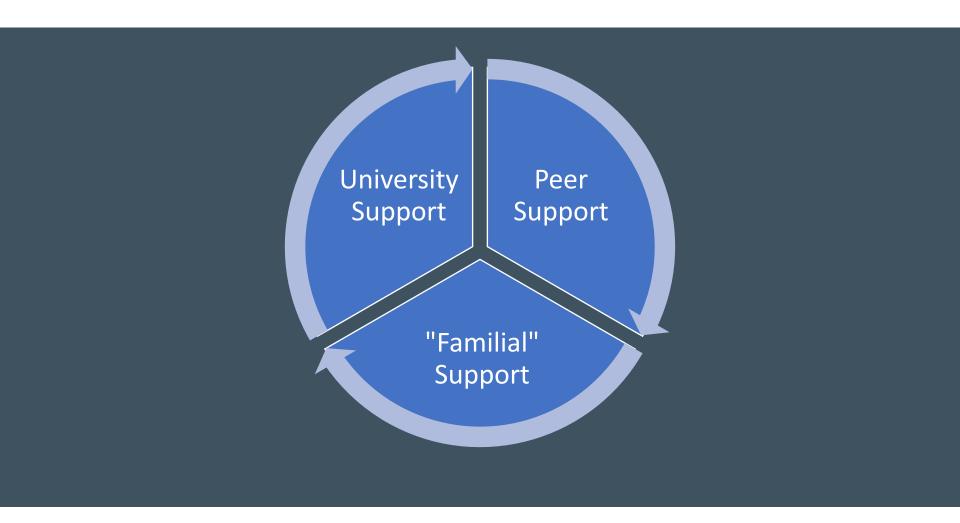
- Safe Zone/Space Training is just the first step
- Radiate Allyship:
 - Self
 - Office
 - Department
 - University
 - Community







The Importance of Social Support







Focusing on Perceived Social Support

If <u>perceived social support</u> is a mediating factor between personality and depression/anxiety, how might we focus on this construct in session with clients?





Exploring Culturally Embedded Notions of LGBTQ+ Relationships



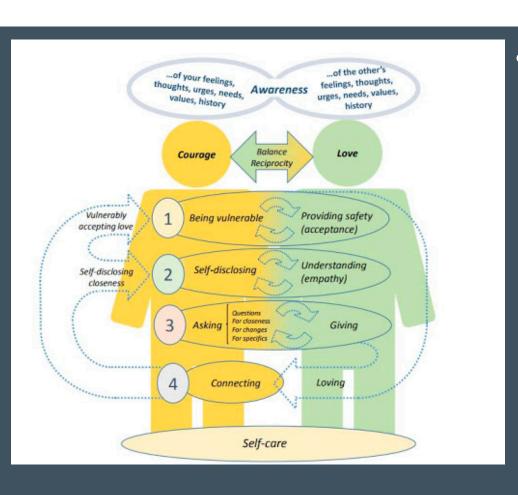


- Exploring with clients:
 - What messages did you receive about how you should engage in relationships based on your identity?
 - How do these messages influence how you develop relationships as an LGBTQ+ person?
 - How do you define healthy relationships?





Attacking Pathways to Lowered Social Support



- Using Functional Analytic Psychotherapy to leverage the therapeutic relationship to address issues of:
 - Concealment
 - Expressions of shame
 - Avoidance of discussions regarding vulnerability
 - Avoiding topics that might elicit judgement or rejection





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Questionsf

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