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BMI and Associated Variables in A Pediatric Gender Clinic Sample

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INTRODUCTION

Transgender/gender diverse (TGD) youth may be at increased risk for overweight/obesity.

Nationally representative data identifying the health status and needs of TGD youth is lacking.

Aim: Describe BMI and associated variables in treatment-naïve pediatric TGD patients.

METHOD

Method: Chart review of 282 Gender Pathways Services (GPS) patients

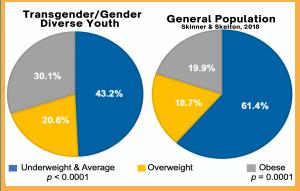
Inclusion Criteria: 9-19 yrs. old, treatment naïve, attend GPS initial session & caregiver present

Measures: Demographic, Pediatric Quality of Life Inventory- Well-Being, Recreational activities

Statistics: 2X2 Chi-square test, Independent samples t-test, Linear regression, ANOVA

BMI and Associated Variables in a Pediatric Gender Clinic Sample

Weight Status



Lower BMI

No Medication Use

Not taking medication was associated with a decrease in BMI (t= -2.21, p= 0.035).





Spending Time with Family and Friends

Youth-reported spending time with friends and family was associated with average BMI z-scores (t= -2.12, p= 0.035).

Well-Being

An increase in caregiver-reported well-being predicted a decrease in youth BMI (b= -0.02, p= 0.02, R2= 0.06).



Higher BMI

Assigned Females

Youth who were assigned female (M= 0.90, SD= 1.19) at birth had higher BMIs than youth assigned male (M= 0.57, SD= 1.37) at birth, F(1, 280)= 3.63, p= 0.05.



Medication

Most (54.3%) of youth were on medication. Nine groups of medication were associated with increased BMI:

1) gastrointestinal 6 2) antyhypertensive 7 3) anti-emetic 8 4) anxiolytic 9

6) endocrine 7) mood stabilizer 8) vitamins 9) SSRI/SNRI

Creative Arts Involvement

Caregiver-reported creative arts involvement was associated with an increase in BMI (t= 2.0, p= 0.047; M= 1.49, SD= 0.95 vs M= / 0.95, SD= 1.23).

Media Use

Youth-reported watching/listening to media was associated with an increase in BMI (t = 3.62, p= 0.000; M= 1.38, SD= 0.94 vs M= 0.79, SD= 1.2).



PARTICIPANTS

Patient Characteristics:

- 76.2% assigned female at birth
- 76.9% self-described masculine gender identity
- 86.2% White or Caucasian
- Average age of 14.8 (SD= 2.07)
- 28.4% on SSRI/SNRI

DISCUSSION

- 1) TGD youth demonstrated significantly higher rates of overweight and obesity than the general population.
- 2) Weight should be monitored in TGD youth.
- 3) TGD youth may benefit from improving connection with others.
- 4) TGD youth would benefit from programs to decrease sedentary activities.

References available upon request: mfornander@cmh.edu

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