Transgender and gender-diverse youth referred to clinic for puberty suppression or genderaffirming hormones in Canada:

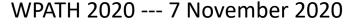
Baseline characteristics from the Trans Youth CAN! Cohort

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Trans Youth CAN! Cohort Study

Sample

- 174 youth aged puberty to 15 years
- Attending one of 10 clinics for blockers/hormones
- 160 matched parents/caregivers

Data (2 years of follow-up)

- Interviewer-administered youth questionnaires
- Self-completed parent/caregiver questionnaires
- Clinical records
- Online symptoms checklists

Central research question: how best to support the well-being of trans and non-binary youth attending clinics for gender-affirming care, and their families.

Data on social, family, and medical outcomes.





Follow our progress and get results here!

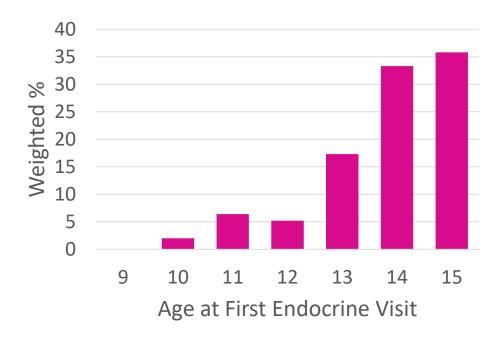
www.transyouthcan.ca



Trans Youth CAN! is a new study of youth referred for blockers or hormones at ten clinics in Canada.

We will be looking at medical, social and family outcomes over a

Who are the youth coming to clinic?



No differences in age based on sex assigned at birth

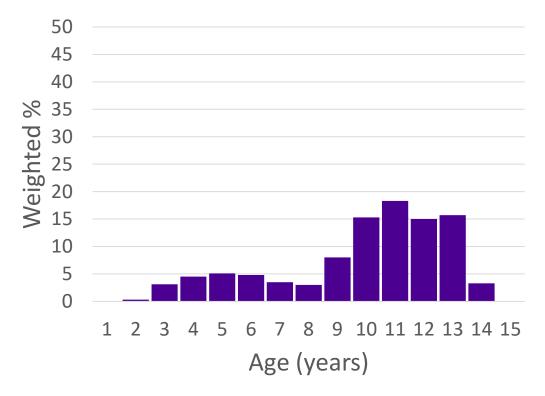
	N	%
Indigenous (First Nations, Metis, Inuit) Non-indigenous visible minority Non-indigenous white	34 10 128	18.8 6.6 74.6
Immigrant parent(s)	44	28.6
Residence Urban Suburban Rural	88 59 27	55.4 33.7 10.9
Low-income family *	40	27.1
Living situation With birth/adoptive parents With foster family Group home Other relatives By self or with friends	166 2 1 5	96.0 1.7 0.3 2.0 0.0

^{*} From parent/caregiver data (n=160)



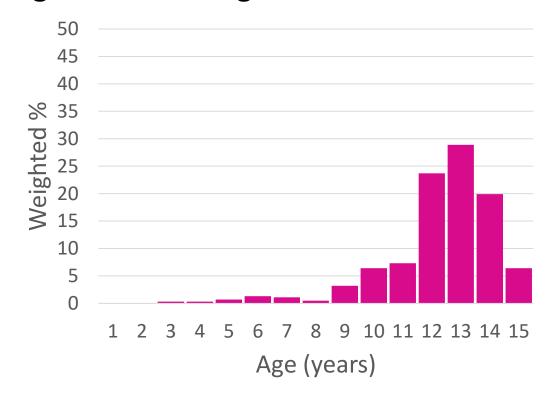


Age Realized Gender Issues



1 missing

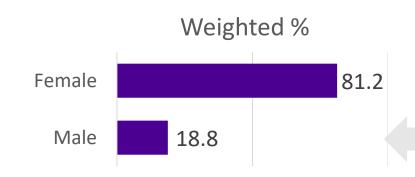
Age Started Living in Identified Gender



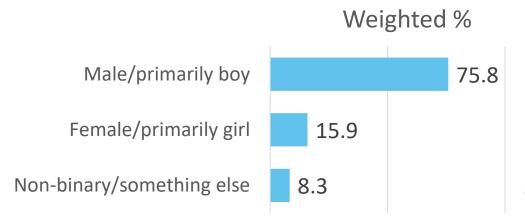
2 missing, 2 not living in their gender



Sex Assigned at Birth



Gender Identity



Similar to other clinical and population samples in this young age group:

- 18% among ages 14-18 in the Canadian Trans
 Youth Health Survey
 - n=923; data 2013-2014; Veale et al., 2015
- 23% in SickKids clinic records review
 - n=203; data 2014-2016; Chiniara et al., 2018

No difference in non-binary identities between youth assigned male versus female at birth (p=0.6810)

May be underreported in clinical samples



Health Characteristics

Diagnoses	N	%
Anxiety	75	40.2
Depression	58	32.0
ADHD	39	23.3
Autism spectrum	10	6.0
Learning disability	7	4.8
OCD	5	4.2
PTSD	3	1.9
Other ⁱ	42	25.2

Mental health	N	%
Depression (MDS)	33	19.3
Anxiety (OASIS)	94	65.2
Self-harm, past year	110	67.6
Suicidal ideation, ever	95	58.1
Suicidal ideation, past year	56	34.5
Suicide attempt, ever	53	36.0
Suicide attempt, past year	24	16.8
Substance use	N	%
Vaping, sometimes or daily	15	20.2
Marijuana, any past year	29	19.9
Smoking, sometimes or daily	14	12.2
Other drug, any past year	15	10.5
Binge drinking, ≥ weekly	4	2.9



Social Context

- All youth were in school
 - 162 (91.6%) in public school
 - 7 (5.2%) in private school
 - 5 (3.2%) being homeschooled
- 62.0% reported strong parental support for their gender from all parents, and the remainder mixed/moderate support
- Top person-types from whom youth received support
 - Parent(s) (91.9%)
 - Real-life/offline friends (85.8%)
 - Non-trans friends (80.5%).
- 64.3% of families reported external stressors related to youth's gender
 - 18.9% reported 5+ types of stressors
- Youth had previously met with a range of health care providers and counsellors, most commonly family physicians (68.5%)



Transmasculine compared with transfeminine youth

No differences:

- Age at visit
- Time since first aware of gender
- Non-binary identities
- Sociodemographics
- Changes in name or birth certificate
- Self-assessed physical health
- Self-harm behaviours
- Suicide ideation or attempt
- Smoking, vaping, binge drinking, marijuana use

Transmasculine more likely:

- To be living in their gender all the time (90.1% vs. 58.1%)
- To have clinically significant scores for depression (MDS; 21.2% vs. 10.8%) and anxiety (OASIS; 66.1% vs. 33.3%)
- To experience external stressors on the family

Transfeminine more likely:

- To be diagnosed with ADHD
- To be diagnosed on the autism spectrum

















Visit Outcomes

- 62.4% of patients received a prescription
- 53.0% of transfeminine and 45.2% of transmasculine patients received leuprolide acetate alone
- 1.7% of transmasculine were prescribed testosterone and 6.6% of transfeminine were prescribed estrogen



Thank you to our research team!

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19 youth and 9 parents/caregivers who provided feedback on survey items (English and French) 6 youth and 7 parents in our Community Consultation Committees

Our youth participants

Our parent/caregiver participants

Our funder:













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