

# Supplemental Appendix

Hormone Replacement Therapy is Associated with  
Decreased Risk of Running Away Among Transgender  
Adolescents.

Travis Campbell\*      Yana van der Meulen Rodgers†

January 9, 2026

---

\*Corresponding Author. Email: [campbelt1@sou.edu](mailto:campbelt1@sou.edu). Southern Oregon University. Taylor Hall 220, 1250 Siskiyou Blvd. Ashland, OR 97520.

†Rutgers University.

## **A. Supplemental Appendix – Additional Tables and Figures**

This online appendix includes additional tables and figures for the paper “Hormone Replacement Therapy is Associated with Decreased Risk of Running Away Among Transgender Adolescents.” The analysis uses data from the 2015 United States Transgender Survey ([James et al., 2019](#)).

### **References**

**James, Sandy E., Jody Herman, Mara Keisling, Lisa Mottet, and Ma’ayan Anafi.** 2019. “2015 U.S. Transgender Survey (USTS).” Inter-university Consortium for Political and Social Research [distributor], 2019-05-22. <https://doi.org/10.3886/ICPSR37229.v1>.

Table A.1: Pre-HRT Characteristics of Treated and Control Groups

	Treated	Control	Difference
Ever ran away from home	9.7	7.6	2.1 (1.7)
Ever felt gender different	99.3	97.0	2.3*** (0.7)
Ever thought transgender	97.2	90.2	7.0*** (1.2)
Ever told others trans	86.6	63.8	22.8*** (2.2)
Ever full time as identity	51.2	24.5	26.7*** (2.8)
Ever had puberty blockers	5.3	1.0	4.3*** (1.1)
Ever attempted suicide	39.4	35.5	3.9 (2.8)
Ever had conversion therapy	19.8	14.6	5.2** (2.2)
White	74.0	75.2	-1.2 (2.5)
Assigned male at birth	30.9	33.0	-2.1 (2.7)
<i>Region of birth</i>			
Northeast	25.1	22.4	2.7 (2.5)
Midwest	17.7	20.3	-2.6 (2.2)
South	20.5	22.9	-2.4 (2.3)
West	29.5	28.4	1.1 (2.6)
Sample size	434	1,078	

*Notes:* \*  $p < .1$ , \*\*  $p < .05$ , \*\*\*  $p < .01$ . Table reports percentages measured one year prior to the treated group's HRT initiation. P-values are estimated using weighted regressions with robust standard errors, where each covariate is regressed on an indicator for treatment status. Cohort-specific synthetic unit weights are applied to the control group and scaled to sum to the number of treated individuals within each cohort.