

Supplementary Online Content

Turban JL, Beckwith N, Reisner SL, Keuroghlian AS. Association between recalled exposure to gender identity conversion efforts and psychological distress and suicide attempts among transgender adults. *JAMA Psychiatry*. Published online September 11, 2019. doi:10.1001/jamapsychiatry.2019.2285

eTable 1. Demographics for Those With Exposure to Gender Identity Conversion Efforts by a Secular or Religious Professional

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This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Demographics for Those With Exposure to Gender Identity Conversion Efforts by a Secular or Religious Professional. Descriptive statistics for transgender adults who reported exposure to gender identity conversion efforts, with bivariate comparisons of those who reported conversion efforts by a secular-type professional versus those who reported conversion efforts by a religious advisor.				
		Conversion efforts by a secular-type professional (n = 2,502)	Conversion efforts by religious advisor (n = 1,361)	P-value
		N (%)	N (%)	
Gender Identity				
	Cross-dresser	63 (2.5%)	38 (2.8%)	0.6859
	Trans woman (MTF) or woman (birth-assigned male)	1495 (59.8%)	951 (69.9%)	<.001
	Trans man (FTM) or man (birth-assigned female)	568 (22.7%)	248 (18.2%)	0.0013
	Non-binary/genderqueer (birth-assigned female)	243 (9.7%)	83 (6.1%)	<.001
	Non-binary/genderqueer (birth-assigned male)	133 (5.3%)	41 (3.0%)	0.0013
Sexual Orientation				
	Asexual	238 (9.5%)	101 (7.4%)	0.0328
	Bisexual	440 (17.6%)	311 (22.9%)	<.001
	Gay/lesbian/same-gender-loving	473 (18.9%)	336 (24.7%)	<.001
	Heterosexual/straight	519 (20.7%)	317 (23.3%)	0.0724
	Pansexual	383 (15.3%)	148 (10.9%)	<.001
	Queer	273 (10.9%)	79 (5.8%)	<.001
	Other	176 (7.0%)	69 (5.1%)	0.0201
Racial/Ethnic Identity				
	Alaska Native/American Indian	28 (1.1%)	21 (1.5%)	0.3307
	Asian/Asian American/Native Hawaiian/Pacific Islander	43 (1.7%)	18 (1.3%)	0.4181
	Biracial/Multiracial/Other	56 (2.2%)	22 (1.6%)	0.2324
	Black/African American	228 (9.1%)	250 (18.4%)	<.001
	Latino/a or Hispanic	306 (12.2%)	302 (22.2%)	<.001
	White/Middle Eastern/North African	1840 (73.5%)	748 (55%)	<.001
Age in Years				
	18-24	244 (9.8%)	94 (6.9%)	0.0034
	25-44	963 (38.5%)	624 (45.8%)	<.001
	45-64	906 (36.2%)	498 (36.6%)	0.8420
	65+	389 (15.5%)	145 (10.7%)	<.001
Family Support of Gender				

Identity				
	Supportive	983 (39.3%)	433 (31.8%)	<.001
	Neutral	373 (14.9%)	315 (23.2%)	<.001
	Unsupportive	648 (25.9%)	418 (30.7%)	<.001
	Not asked	498 (19.9%)	195 (14.4%)	<.001
Employment Status				
	Employed	1247 (49.8%)	705 (51.8%)	0.2584
	Unemployed	251 (10.0%)	280 (20.6%)	<.001
	Out of the labor force	972 (38.8%)	374 (27.5%)	<.001
	Unspecified	32 (1.3%)	2 (0.1%)	<.001
Total Household Income				
	No income	70 (2.8%)	16 (1.2%)	0.0016
	\$1 to \$9,999	304 (12.2%)	198 (14.5%)	0.0387
	\$10,000 to \$24,999	677 (27.1%)	398 (29.2%)	0.1586
	\$25,000 to \$49,999	496 (19.8%)	365 (26.8%)	<.001
	\$50,000 to \$99,999	532 (21.3%)	192 (14.1%)	<.001
	\$100,000 or more	289 (11.6%)	142 (10.4%)	0.3173
	Unspecified	134 (5.4%)	50 (3.7%)	0.0235

- 2 Note: Individuals who did not specify whether the professional was acting in the capacity of a religious
3 advisor (n = 6) were excluded from this analysis. Rao-Scott chi-squared tests were used for categorical
4 variables. Mann Whitney U test was used for 'Age in Years' comparison due to non-normality.
5 Percentages given are for column totals within groups. Significant P values are bolded. P values < 0.001
6 are significant based on correction for multiple comparisons.

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eTable 2. Outcomes for Those With Exposure to Gender Identity Conversion Efforts by a Secular or Religious Professional. Mental health of transgender adults who reported conversion efforts by a religious advisor compared with those who reported conversion efforts by secular-type professionals, adjusted for gender identity, sexual orientation, race, age cohort, family support of gender identity, employment status, total household income, and exposure to sexual orientation conversion efforts.

	aOR (95% CI)	<i>P</i> -value
Suicidality (Past 12 months)		
Past-year suicidal ideation	0.80 (0.4–1.47)	0.2338
Past-year suicidal ideation with plan	0.91 (0.48–1.74)	0.6236
Past-year suicide attempt	0.59 (0.25–1.41)	0.0472
Past-year suicide attempt requiring inpatient hospitalization	0.62 (0.21–1.87)	0.1542
Suicidality (Lifetime)		
Lifetime suicidal ideation	0.87 (0.38–1.99)	0.5661
Lifetime suicide attempts	1.20 (0.62–2.33)	0.3564 ^a
Mental Health & Substance Use		
Past-month severe psychological distress (K6 ≥ 13)	1.44 (0.79–2.63)	0.0484
Past-month binge drinking	1.30 (0.65–2.60)	0.2097
Lifetime cigarette use	1.22 (0.63–2.35)	0.3284
Lifetime illicit drug use	1.16 (0.61–2.21)	0.4393

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9 Note: Bolded *P* values indicate significance at $P < 0.001$ (given adjustment for multiple comparisons).10 ^a Ordinal logistic regression with outcome categories 0, 1, and 2 or more.

eTable 3. Outcomes for Those with Lifetime Exposure to Gender Identity Conversion Efforts. Mental health outcomes of transgender adults exposed to gender identity conversion efforts compared with those who discussed gender identity with a professional without conversion efforts, adjusting for sex assigned at birth, gender identity, sexual orientation, race, age cohort, family support of gender identity, partnership status, educational attainment, employment status, total household income, and exposure to sexual orientation conversion efforts.

	aOR (95% CI)	P-value
Suicidality (Past 12 months)		
Past-year suicidal ideation	1.23 (0.89–1.70)	0.0389
Past-year suicidal ideation with plan	1.27 (0.90–1.79)	0.0248
Past-year suicide attempt	1.26 (0.73–2.18)	0.1606
Past-year suicide attempt requiring inpatient hospitalization	1.44 (0.60–3.42)	0.1698
Suicidality (Lifetime)		
Lifetime suicidal ideation	1.58 (0.93–2.68)	0.0044
Lifetime suicide attempts	1.96 (1.38–2.80)	<.001^a
Mental Health & Substance Use		
Past-month severe psychological distress (K6 ≥ 13)	1.34 (0.95–1.90)	0.0054
Past-month binge drinking	0.79 (0.52–1.21)	0.0694
Lifetime cigarette use	1.15 (0.81–1.64)	0.1804
Lifetime illicit drug use	0.95 (0.67–1.35)	0.6325

Note: Bolded P values indicate significance at $P < 0.001$ (given adjustment for multiple comparisons).

^a Ordinal logistic regression with outcome categories 0, 1, and 2 or more.

eTable 4. Outcomes for Those With Childhood Exposure to Gender Identity Conversion Efforts. Mental health outcomes of transgender adults reporting exposure to gender identity conversion efforts before age 10 compared with those who reported discussing gender identity with a professional without conversion efforts in their lifetime, adjusted for age cohort, sex assigned at birth, race, family support of gender identity, employment status, total household income, and exposure to sexual orientation conversion efforts.

	aOR (95% CI)	P-value
Suicidality (Past 12 months)		
Past-year suicidal ideation	1.55 (0.74–3.25)	0.0497
Past-year suicidal ideation with plan	1.94 (0.93–4.03)	0.0029
Past-year suicide attempt	1.64 (0.60–4.50)	0.1065
Past-year suicide attempt requiring inpatient hospitalization	1.43 (0.22–9.00)	0.5272
Suicidality (Lifetime)		
Lifetime suicidal ideation	1.25 (0.41–3.76)	0.5148
Lifetime suicide attempts	3.05 (1.55–6.02)	<.001^a
Mental Health & Substance Use		
Past-month severe psychological distress (K6 ≥ 13)	1.47 (0.60–3.62)	0.1606
Past-month binge drinking	0.76 (0.27–2.15)	0.3827
Lifetime cigarette use	1.40 (0.58–3.36)	0.2069
Lifetime illicit drug use	1.60 (0.74–3.48)	0.0461

Note: Bolded P values indicate significance at $P < 0.001$ (given adjustment for multiple comparisons).
^a Ordinal logistic regression with outcome categories 0, 1, and 2 or more.

