

Supplementary Materials

Supplementary Table I*Cross-Rater Phenotypic Correlations for Latent Growth Factors*

Latent Variables	Teacher Intercept	Teacher Slope
Internalizing		
Parent Intercept	.36*	-.20*
Parent Slope	.14	.07
Externalizing		
Parent Intercept	.41*	-.18
Parent Slope	-.06	.64*

Note. Partial correlations, controlling for sex. Estimates were taken from two phenotypic bivariate growth models, one for internalizing and the other for externalizing, each of which included both raters.

* $p < .05$.

Supplementary Table II*Cross-Rater Phenotypic Correlations for Growth Factor Scores*

Factor Scores	Teacher Intercept	Teacher Slope
Internalizing		
Parent Intercept	.54*	-.39*
Parent Slope	.27*	-.01
Externalizing		
Parent Intercept	.48*	-.07
Parent Slope	.07	.79*

Note. Partial correlations, controlling for sex, of factor scores extracted from the models presented in Supplementary Table I.

* $p < .05$.

Supplementary Table III*Twin Correlations For Growth Factor Scores*

Factor Scores	Teacher twin1	Parent twin1	Teacher twin2	Parent twin2
Internalizing Intercepts				
Teacher twin1	1	.54 ^{*a}	.28 [*]	.23 ^{*c}
Parent twin1	.54 ^{*a}	1	.23 ^{*c}	.48 [*]
Teacher twin2	.65 [*]	.41 ^{*b}	1	.54 ^{*a}
Parent twin2	.41 ^{*b}	.69 [*]	.54 ^{*a}	1
Internalizing Slopes				
Teacher twin1	1	-.01 ^a	.06	-.05 ^c
Parent twin1	-.01 ^a	1	-.05 ^c	.43 [*]
Teacher twin2	.38 [*]	-.10 ^{*b}	1	-.01 ^a
Parent twin2	-.10 ^{*b}	.49 [*]	-.01 ^a	1
Externalizing Intercepts				
Teacher twin1	1	.48 ^{*a}	.41 [*]	.20 ^{*c}
Parent twin1	.48 ^{*a}	1	.20 ^{*c}	.50 [*]
Teacher twin2	.70 [*]	.37 ^{*b}	1	.48 ^{*a}
Parent twin2	.37 ^{*b}	.79 [*]	.48 ^{*a}	1
Externalizing Slopes				
Teacher twin1	1	.79 ^{*a}	.32 [*]	.26 ^{*c}
Parent twin1	.79 ^{*a}	1	.26 ^{*c}	.38 [*]
Teacher twin2	.46 [*]	.36 ^{*b}	1	.79 ^{*a}
Parent twin2	.36 ^{*b}	.50 [*]	.79 ^{*a}	1

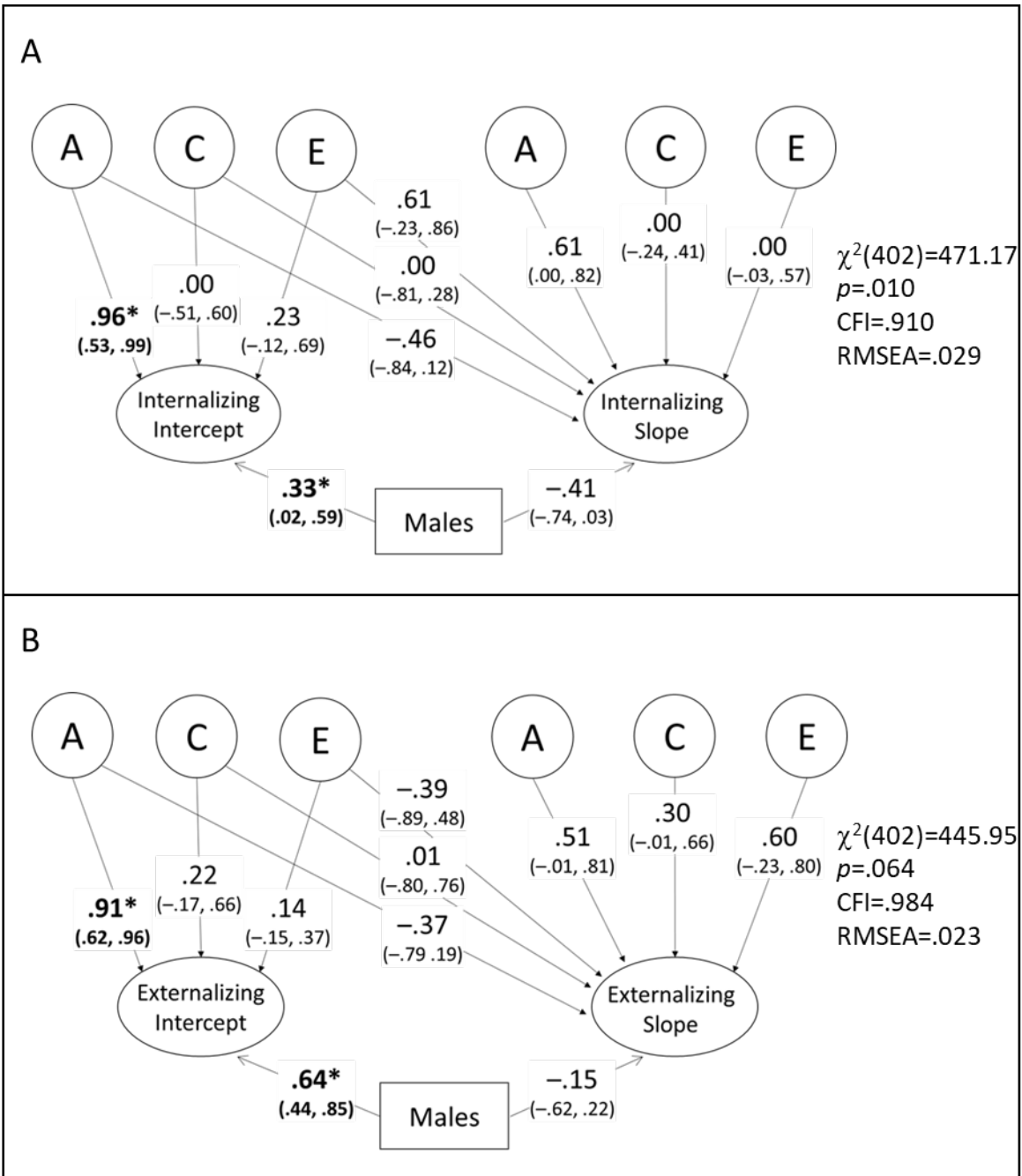
Note. Partial correlations, controlling for sex, of factor scores extracted from the models presented in Supplementary Table I (MZ correlations on lower diagonal and DZ correlations on upper diagonal). Correlations obtained from four models, each of which regressed all factor scores on sex. Within each model, within-rater sex effects, intercepts, and residual variances were constrained to equality across twins and zygosity groups; covariances were constrained to equality as noted.

^aWithin-twin cross-rater covariances constrained to be equal across twins and zygosity groups.

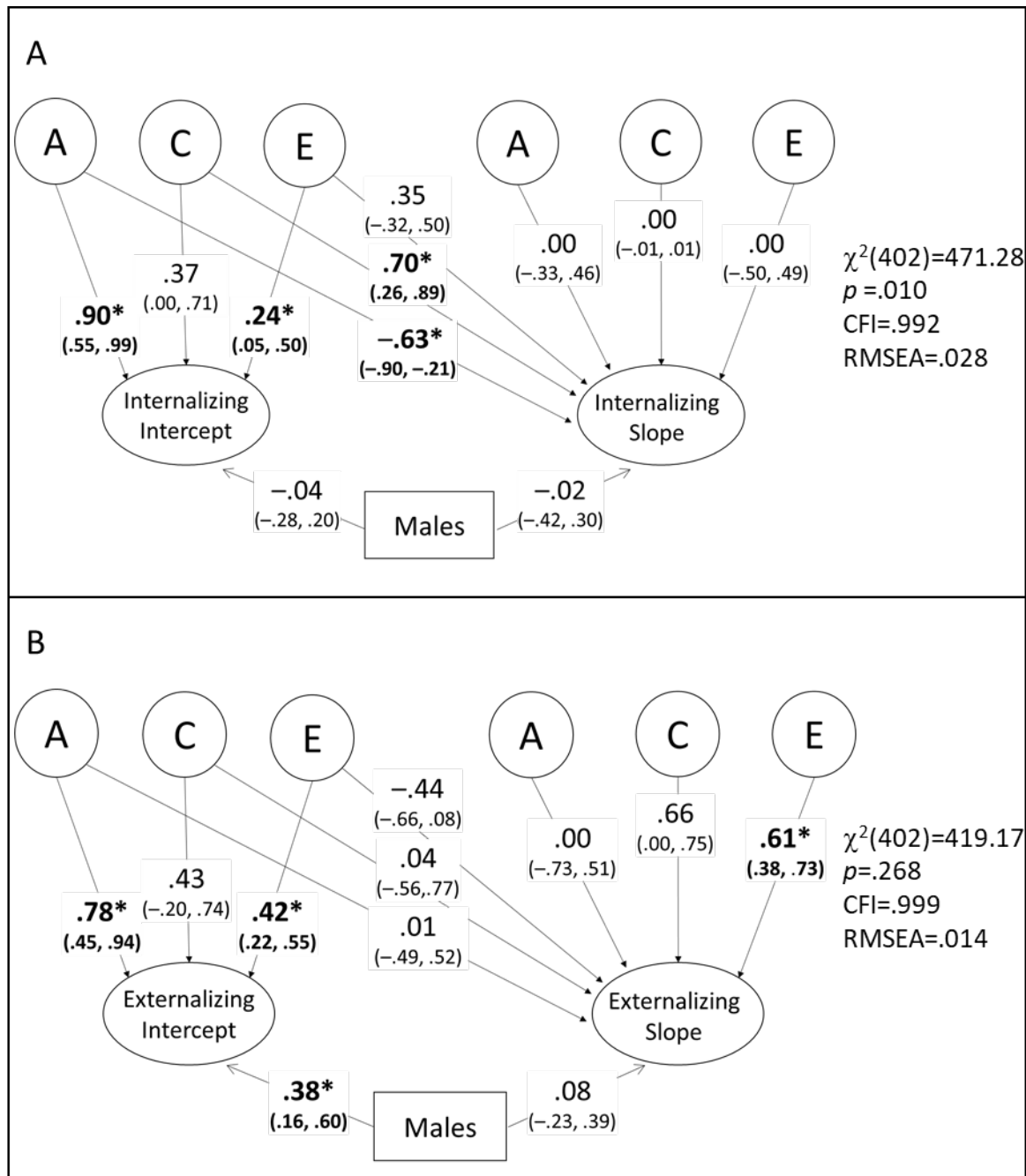
^bMZ cross-twin cross-rater covariances constrained to be equal for twin1 with twin2 and twin2 with twin1.

^cDZ cross-twin cross-rater covariances constrained to be equal for twin1 with twin2 and twin2 with twin1.

* $p < .05$.



Supplementary Figure 1. Teacher-rating models. Standardized parameter estimates (and bootstrapped 95% confidence intervals) for additive genetic (A), shared environmental (C), and nonshared environmental (E) influences on teacher-rated internalizing (panel A) and externalizing (panel B) behaviors. Fit indices are shown to the right. The standardized regression betas from sex capture the mean difference across sex (males – females). * $p < .05$, as indicated by the confidence intervals.



Supplementary Figure 2 Parent-rating models. Standardized parameter estimates (and bootstrapped 95% confidence intervals) for additive genetic (A), shared environmental (C), and nonshared environmental (E) influences on parent-rated internalizing (panel A) and externalizing (panel B) behaviors. Fit indices are shown to the right. The standardized regression betas from sex capture the mean difference across sex (males – females). * $p < .05$, as indicated by the confidence intervals.