

Exhibit 4. Coefficients and Robust Standard Errors From Nested Meta-Regression Models Predicting Pretest–Posttest Effect Sizes ($k = 37$; $n = 380$)

	Model I			Model II			Model III			Model IV					
	<i>b</i>	<i>se</i>	β	<i>b</i>	<i>se</i>	β	<i>b</i>	<i>se</i>	β	<i>b</i>	<i>se</i>	β			
Alcohol outcome	-0.45	0.24	-0.25	-0.44	0.22	-0.24	-0.44	*	0.22	-0.24	-0.50	*	0.25	-0.27	
Marijuana outcome	-0.14	0.14	-0.07	-0.11	0.15	-0.05	-0.12		0.22	-0.06	-0.14		0.16	-0.07	
Other substance outcome	0.29	0.56	0.03	0.51	0.84	0.05	0.50		0.88	0.05	0.26		0.79	0.03	
Arm in non-focal position	0.17	*	0.06	0.15	0.17	*	0.06	0.14	0.17	*	0.06	0.14	0.02	0.12	0.02
Pretest-posttest interval	-0.00		0.00	-0.10	-0.00	0.00	-0.10		0.01	-0.08	-0.00		0.00	-0.14	
Randomized control design	-1.13	*	0.40	-0.60	-1.07	0.51	-0.57	-1.04	0.59	-0.55	-1.12	0.49	-0.59		
Overall attrition	0.01		0.30	0.00	-0.00	0.34	-0.00	-0.01	0.39	-0.00	0.01	0.37	0.00		
Implementation problems	-0.05		0.22	-0.03	-0.04	0.24	-0.02	-0.04	0.25	-0.03	-0.01	0.24	-0.00		
Percent male				0.06	0.38	0.02	0.06	0.43	0.02	0.09	0.41	0.03			
Percent White				-0.11	0.27	-0.05	-0.10	0.29	-0.05	-0.00	0.28	-0.00			
Average age				0.04	0.10	0.09	0.04	0.11	0.08	0.09	0.11	0.17			
Psychiatric comorbidity				0.06	0.12	0.04	0.05	0.14	0.04	0.10	0.12	0.08			
Delinquency level				0.07	0.16	0.06	0.08	0.17	0.06	0.03	0.14	0.02			
Frequency of treatment contact							-0.01	0.11	-0.01						
Treatment duration (days)							-0.00	0.00	-0.03						
Behavioral therapy										0.43	0.27	0.09			
CBT										0.40	0.22	0.25			
Family therapy										0.40	0.26	0.26			
Group/mixed counseling										0.29	0.24	0.07			
MET										0.35	0.23	0.13			
MET/CBT										0.28	0.25	0.14			
MET/CBT + pharmacological										0.18	0.19	0.06			
Multiservice package										0.26	0.27	0.10			
PET										0.55	0.34	0.17			
Other/mixed										0.37	0.21	-0.02			
Practice as usual										-0.04	0.20	-0.05			

Note. β = standardized meta-regression coefficient; *b* = unstandardized meta-regression coefficient; CBT = cognitive-behavioral therapy; MET = motivational enhancement therapy; PET = psychoeducational therapy; *se* = standard error of unstandardized regression coefficient. No treatment conditions are the reference category for treatment modality dummy coefficients.

