Table S1. Cannabis Abstinence as Measured by Urine Toxicology

	MET/CBT+CM+PT		MET/CBT+CM		MET/CBT	
	n	Abstinent n (%)	n	Abstinent n (%)	n	Abstinent n (%)
ETX	40	25 (63)	40	30 (75)	41	17 (41)
ETX+3M	29	12 (41)	31	12 (39)	27	11 (41)
ETX+6M	26	10 (38)	30	5 (17)	35	9 (25)
ETX+9M	27	5 (19)	29	7 (24)	28	4 (14)
ETX+12M	30	9 (30)	33	7 (21)	33	5 (15)

Note: Percentages calculated using available data (missing=missing). CBT = cognitive-behavioral therapy; CM = contingency management; ETX = end of treatment; M = months; MET = motivational enhancement therapy; PT = parent training.

Table S2. Mean Cannabis Use Frequency From Intake to 12 Months Posttreatment (Missing=Missing)

	MET/CBT+CM+PT		MET/CBT+CM		MET/CBT	
	n	Use Mean (SD)	n	Use Mean (SD)	n	Use Mean (SD)
Intake	51	2.0 (0.9)	51	1.9 (0.8)	51	2.1 (0.8)
ETX	49	1.2 (1.0)	44	1.1 (1.1)	45	1.3 (1.0)
ETX+3M	42	1.4 (1.2)	38	1.3 (1.0)	38	1.2 (0.9)
ETX+6M	40	1.3 (1.2)	36	1.5 (1.1)	37	1.6 (1.1)
ETX+9M	37	1.5 (1.2)	34	1.7 (1.1)	35	1.5 (1.1)
ETX+12M	33	1.5 (1.1)	33	1.8 (1.1)	34	1.6 (1.0)

Note: Use frequency is coded from the Timeline Follow Back Calendar as 0=0% days used, 1= $\geq$1 and <15% of days used, 2=$\geq$15% and <50% of days used, and 3=$\geq$50% days used. CBT = cognitive-behavioral therapy; CM = contingency management; ETX = end of treatment; M = months; MET = motivational enhancement therapy; PT = parent training.

Table S3. Parenting and Externalizing Scores at Each Assessment (Missing=Missing)

| | MET/CBT+CM+PT | | | MET/CBT+CM | | | MET/CBT | | |
	n	Mean	SD	n	Mean	SD	n	Mean	SD
Positive Involvement									
Intake	51	3.7	0.6	51	3.7	0.6	51	3.7	0.6
ETX	37	3.6	0.6	36	3.7	0.4	38	3.8	0.6
ETX+6M	28	3.6	0.6	27	3.8	0.5	25	3.9	0.4
ETX+12M	26	3.7	0.6	28	3.8	0.6	28	3.7	0.7
Deficient Monitoring									
Intake	51	3.2	0.9	51	3.0	0.7	51	3.2	0.7
ETX	37	3.1	0.9	36	2.7	0.7	38	2.8	0.7
ETX+6M	28	3.1	0.9	27	3.0	0.6	25	2.8	0.7
ETX+12M	26	3.3	0.8	28	3.0	0.5	28	2.8	0.7
Negative Discipline									
Intake	51	1.3	0.4	51	1.3	0.3	51	1.4	0.4
ETX	37	1.3	0.4	36	1.2	0.3	38	1.2	0.3
ETX+6M	28	1.2	0.4	27	1.3	0.3	25	1.2	0.4
ETX+12M	26	1.2	0.4	28	1.2	0.3	28	1.2	0.3
Externalizing (T score)									
Intake	51	64.7	9.8	51	61.8	10.4	51	63.3	9.4
ETX	37	62.6	14.6	35	57.0	11.4	37	57.3	9.6
ETX+6M	24	58.8	12.3	27	52.2	10.9	25	58.8	13.5
ETX+12M	25	56.4	12.0	27	52.6	11.7	24	56.0	9.5

Note: CBT = cognitive-behavioral therapy; CM = contingency management; ETX = end of treatment; M = months; MET = motivational enhancement therapy; PT = parent training.

Table S4. *DSM* Mental Health and Non-Cannabis Substance Use Diagnoses

	MET/CBT+CM+PT (n = 51) n (%)	MET/CBT+CM (n = 51) n (%)	MET/CBT (n = 51) n (%)	X^2 or F
***DSM* Mental Health**				
Parent Report [a]				
ODD+/or CD	25 (49.0)	20 (39.2)	17 (33.3)	2.66
ADHD	20 (39.2)	12 (23.5)	14 (27.5)	3.23
Major Depression +/or GAD	11 (21.6)	4 (7.8)	8 (15.7)	3.79
Youth Report				
ODD+/or CD	12 (23.5)	13 (25.5)	13 (25.5)	.07
ADHD	8 (15.7)	6 (11.8)	8 (15.7)	.43
Major Depression +/or GAD	9 (17.9)	7 (13.7)	5 (9.8)	1.33
***DSM* Substance Use** [b]				
Sedative Abuse	4 (7.8)	2 (3.9)	0 (0.0)	.17[c]
Cocaine Abuse	0 (0.0)	1 (2.0)	0 (0.0)	1.00[c]
Amphetamine Abuse	1 (2.0)	0 (0.0)	0 (0.0)	1.00[c]
Opiate Abuse	1 (2.0)	1 (2.0)	2 (3.9)	1.00[c]
Hallucinogen Abuse	1 (2.0)	0 (0.0)	0 (0.0)	1.00[c]
Hallucinogen Dependence [d]	0 (0.0)	0 (0.0)	1 (2.0)	1.00[c]

Note: ADHD = attention-deficit/hyperactivity disorder; CBT = cognitive-behavioral therapy; CD = conduct disorder; CM = contingency management; GAD= generalized anxiety disorder; MET = motivational enhancement therapy; ODD = oppositional defiant disorder; PT = parent training.
[a] Endorsed by primary parent.
[b] Additional *DSM* Substance Use diagnoses based on youth interview.
[c] Value represents Fisher's exact test due to one or more cells with < 5 cases.
[d] The youth who met criteria for hallucinogen dependence reported no use in the past 80 days.
[*] $p < .05$

Supplemental Figure Legends:

S1: Posttreatment cannabis abstinence. Note: CBT = cognitive-behavioral therapy; CM = contingency management; MET = motivational enhancement therapy; Prob = probability; PT = parent training.

S2: Cannabis use frequency. Note: CBT = cognitive-behavioral therapy; CM = contingency management; ETX = end of treatment; M = month; MET = motivational enhancement therapy; PT = parent training.