Supplementary Material

An Intervention to Optimize Coach-Created Motivational Climates and Reduce Athlete
Willingness to Dope (CoachMADE): Outcomes of a Multi-Country Cluster Randomised
Controlled Trial

Table S1. Adjusted differences between experimental groups on athlete reported outcomes for intention-to-treat and per protocol analyses.

	Post-intervention (3 months)		Long-term Follow-up (6 months)	
Outcome	UKref	GRCref	UKref	GRCref
ITT				
All Cases Analysis	.16 (01, .32)	07 (23, .09)	02 (18, .14)	03 (22, .16)
Doping willingness	.07 (10, .23)	11 (27, .04)	.05 (10, .20)	05 (23, .13)
Doping moral disengagement	.07 (10, .23)	08 (23, .08)	.02 (18, .20)	07 (28, .15)
Doping attitudes	34 (78, .12)	46 (86,05)	.17 (32, .67)	.06 (51, .65)
Doping efficacy	.16 (09, .42)	.31 (.06, .55)	.00 (27, .27)	.24 (08, .55)
Behaviours against inadvertent doping	.33 (.02, .63)	.07 (21, .35)	.42 (.08, .78)	.41 (.02, .80)
Anti-doping knowledge				
Perceived coach need support	.12 (10, .34)	.40 (.20, .60)	.10 (13, .33)	13 (41, .14)
Perceived coach need thwarting	.06 (16, .29)	48 (69,28)	.11 (12, .33)	01 (27, .25)
Need satisfaction	.04 (15, .23)	.12 (06, .31)	.09 (12, .30)	19 (45, .06)
Need frustration	07 (29, .15)	26 (46,06)	.05 (18, .28)	05 (32, .22)
Sensitivity Analysis				
Doping willingness	.27 (.06, .48)	03 (22, .16)	03 (25, .18)	01 (20, .19)
Doping moral disengagement	.09 (10, .28)	14 (31, .03)	04 (26, .17)	04 (22, .15)
Doping attitudes	.16 (04, .36)	11 (28, .07)	16 (43, .11)	07 (30, .17)
Doping efficacy	.04 (51, .60)	19 (68, .29)	.04 (69, .75)	12 (76, .52)
Behaviours against inadvertent doping	.11 (23, .44)	.33 (.03, .64)	.10 (29, .48)	.22 (12, .56)
Anti-doping knowledge	.32 (09, .73)	02 (38, .35)	.31 (17, .77)	.46 (.04, .89)
Perceived coach need support	.09 (18, .38)	.45 (.21, .70)	02 (35, .30)	08 (37, .21)
Perceived coach need thwarting	07 (36, .23)	64 (90,38)	.08 (22, .38)	.09 (18, .35)
Need satisfaction	.04 (21, .29)	.25 (.02, .49)	10 (41, .20)	32 (60,04)
Need frustration	19 (46, .08)	34 (58,11)	15 (47, .17)	.00 (28, .29)

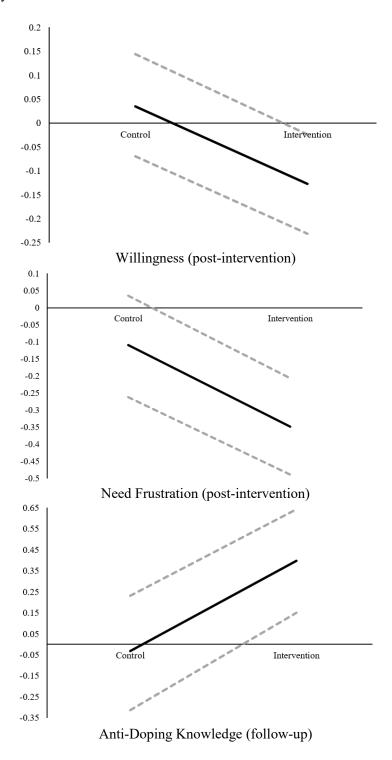
Note: We created two dummy variables to represent the Greek (GRCref = .67, UK/AUS = -.33) or British (UKref = .67, GRC/AUS = -.33) athletes as the reference group. With this effect coding, the dummy coefficient represents the difference between the Greek sample (or the British sample) from the average of all three countries on the dependent variable; grey shade = credibility interval excludes zero.

Table S2. Adjusted differences between experimental groups on coach reported outcomes for intention-to-treat and per protocol analyses.

	Post-interve	Post-intervention (3 months)		Long-term Follow-up (6 months)	
Outcome	UKref	GRCref	UKref	GRCref	
All Cases Analysis				_	
Doping moral disengagement	11 (44, .22)	14 (49, .22)	.23 (11, .57)	.10 (27, .47)	
Doping attitudes	.10 (02, .22)	07 (20, .06)	.07 (08, .21)	.04 (12, .21)	
Efficacy to discuss doping issues	-2.20 (-8.48, 4.14)	-3.72 (-10.49, 3.02)	-1.93 (-7.43, 3.59)	-1.37 (-7.31, 4.57)	
Efficacy to create anti-doping culture	.53 (-3.91, 4.98)	.68 (-4.22, 5.55)	.25 (-4.40, 4.63)	-3.47 (-8.26, 1.42)	
Encourage athletes to prevent inadvertent	.16 (82, 1.14)	.09 (99, 1.16)	31 (-1.37, .73)	56 (-1.73, .60)	
doping					
Anti-doping knowledge	.38 (09, .86)	68 (-1.18,18)	68 (-1.16,21)	.53 (.02, 1.04)	
Perceived effectiveness of need support	05 (41, .31)	.10 (31, .51)	01 (47, .45)	16 (68, .37)	
Perceived effectiveness of need thwarting	45 (91, .02)	23 (73, .27)	.41 (13, .94)	.78 (.19, 1.38)	
Sensitivity Analysis					
Doping moral disengagement	.02 (26, .32)	.10 (21, .42)	26 (72, .20)	32 (82, .18)	
Doping attitudes	02 (26, .22)	02 (28, .24)	.02 (17, .21)	10 (30, .11)	
Efficacy to discuss doping issues	-4.89 (-12.63, 2.89)	1.12 (-7.41, 9.66)	5.47 (-3.40, 14.32)	21 (-9.96, 9.54)	
Efficacy to create anti-doping culture	-6.83 (-14.02, .40)	-7.60 (-15.65, .55)	5.77 (-1.45, 13.00)	8.34 (.23, 16.43)	
Encourage athletes to prevent inadvertent	.14 (75, 1.03)	.71 (28, 1.71)	24 (-1.39, .90)	63 (-1.90, .64)	
doping					
Anti-doping knowledge	.86 (.23 (1.40)	29 (89, .31)	32 (-1.07, .42)	16 (98, .66)	
Perceived effectiveness of need support	.23 (25, .72)	63 (-1.17,08)	14 (71, .43)	.74 (.11, 1.38)	
Perceived effectiveness of need thwarting	02 (52, .48)	38 (94, .18)	46 (-1.01, .09)	23 (84, .39)	

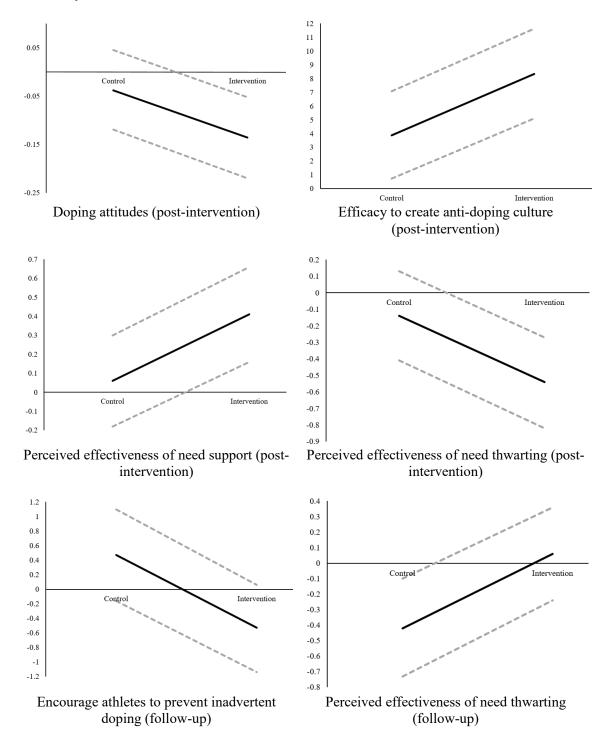
Note: We created two dummy variables to represent the Greek (GRCref = .67, UK/AUS = -.33) or British (UKref = .67, GRC/AUS = -.33) coaches as the reference group. With this effect coding, the dummy coefficient represents the difference between the Greek sample (or the British sample) from the average of all three countries on the dependent variable; grey shade = credibility interval excludes zero.

Figure S1. Visual depictions of statistically meaningful interaction effects for athlete reports in all cases analysis.



Note: grey dotted lines = 95% confidence interval of simple slope; figure depicts the amount of change for each group, adjusted for all of the covariates included in the analysis (e.g., the change in willingness from baseline to post-intervention was different from zero for the intervention group but not the control group).

Figure S2. Visual depictions of statistically meaningful interaction effects for coach reports in all cases analysis.



Note: grey dotted lines = 95% confidence interval of simple slope; figure depicts the amount of change for each group, adjusted for all of the covariates included in the analysis (e.g., the change in doping attitudes from baseline to post-intervention was different from zero for the intervention group but not the control group).