

Table 1. Meta-analyzed correlations with coach autonomy support in sport settings.

Variable	<i>k</i>	<i>N</i>	<i>r</i>	<i>SD_r</i>	<i>SD_{res}</i>	ρ	<i>SD_{r_c}</i>	<i>SD_{ρ}</i>	95% CI	80% CV	<i>I</i> ² (%)
Coach Autonomy Support											
<i>Athlete Motivation and Basic Needs</i>											
Autonomous motivation	66	18,968	.32	.16	.15	.39	.19	.18	[.34, .43]	[.16, .61]	86
Intrinsic motivation	30	8,875	.32	.12	.10	.38	.14	.12	[.32, .43]	[.22, .54]	76
Integrated regulation	3	687	.37	.06	.00	.42	.07	.00	[.25, .59]	[.42, .42]	0
Identified regulation	21	5,787	.31	.15	.14	.38	.19	.18	[.29, .47]	[.15, .62]	86
Controlled motivation	42	10,548	.01	.14	.12	.02	.17	.15	[−.04, .07]	[−.18, .21]	80
Introjected regulation	19	5,441	.13	.19	.18	.16	.23	.22	[.04, .27]	[−.14, .45]	90
External regulation	19	5,532	−.00	.17	.16	−.01	.20	.19	[−.10, .09]	[−.26, .25]	87
Amotivation	22	6,475	−.16	.16	.15	−.19	.19	.18	[−.28, −.10]	[−.43, .05]	87
Basic psychological need satisfaction (composite)	55	17,527	.50	.15	.14	.57	.17	.16	[.52, .61]	[.36, .78]	89
Autonomy satisfaction	45	13,887	.46	.17	.16	.56	.21	.20	[.50, .62]	[.30, .81]	90
Competence satisfaction	53	15,080	.28	.13	.12	.34	.16	.14	[.29, .38]	[.15, .52]	81
Relatedness satisfaction	44	13,305	.39	.14	.13	.45	.16	.15	[.40, .50]	[.26, .64]	85
Basic psychological need frustration (composite)	10	3,081	−.26	.25	.24	−.29	.28	.27	[−.49, −.09]	[−.67, .09]	95
Autonomy frustration	6	2,012	−.26	.16	.15	−.31	.19	.18	[−.50, −.11]	[−.57, −.05]	95
Competence frustration	5	1,624	−.23	.24	.23	−.26	.28	.27	[−.61, .08]	[−.68, .15]	95
Relatedness frustration	4	1,385	−.31	.17	.16	−.36	.20	.19	[−.67, .04]	[−.66, −.05]	92
<i>Athlete Well-Being, Ill-Being & Functioning</i>											
General well-being	11	3,622	.41	.10	.08	.48	.11	.10	[.40, .55]	[.35, .61]	73
Positive affect	13	3,119	.34	.12	.11	.40	.14	.12	[.31, .48]	[.23, .57]	77
Life satisfaction	9	2,814	.24	.09	.07	.27	.10	.08	[.19, .34]	[.15, .38]	65
Subjective vitality	14	4,605	.30	.11	.09	.35	.12	.11	[.28, .42]	[.21, .49]	76
Self-esteem	14	3,397	.23	.11	.10	.28	.14	.11	[.20, .35]	[.12, .43]	71
General ill-being	4	1,126	−.15	.12	.10	−.18	.14	.12	[−.40, .04]	[−.38, .02]	75
Negative affect	9	2,144	−.26	.20	.19	−.30	.23	.22	[−.48, −.12]	[−.61, .01]	91
Burnout	14	4,308	−.24	.18	.18	−.27	.21	.20	[−.39, −.15]	[−.54, .00]	91
Depression	4	1,207	−.25	.13	.11	−.30	.15	.13	[−.53, −.06]	[−.51, −.08]	80
Anxiety	3	1,012	−.10	.08	.06	−.12	.10	.08	[−.38, .13]	[−.27, .02]	57
Resilience/persistence	5	1,246	.26	.12	.11	.31	.14	.13	[.13, .49]	[.12, .50]	76
Effort	4	1,237	.33	.18	.17	.39	.22	.21	[.05, .74]	[.06, .73]	92
Performance and achievement	15	2,843	.18	.13	.11	.21	.16	.13	[.13, .30]	[.03, .39]	72
Teamwork	4	1,265	.40	.13	.11	.45	.14	.12	[.22, .68]	[.25, .66]	77
Physical activity	10	2,133	.22	.10	.08	.27	.13	.10	[.18, .36]	[.14, .41]	57
Past physical activity	4	1,008	.31	.03	.00	.36	.04	.00	[.29, .42]	[.36, .36]	0
Engagement	19	5,209	.31	.16	.15	.37	.20	.18	[.27, .47]	[.13, .61]	87

Table 1. Continued.

Variable	<i>k</i>	<i>N</i>	<i>r</i>	<i>SD_r</i>	<i>SD_{res}</i>	ρ	<i>SD_{r_c}</i>	<i>SD_ρ</i>	95% CI	80% CV	<i>I</i> ² (%)
Disengagement	7	2,170	-.14	.17	.16	-.17	.21	.20	[-.37, .02]	[-.46, .11]	88
<i>Sports Climate & Coach Behaviors</i>											
Task-involving climate	5	2,912	.63	.31	.28	.89	.43	.39	[.35, 1.00]	[.29, 1.00]	82
Ego-involving climate	7	4,098	-.31	.20	.19	-.45	.30	.28	[-.72, -.18]	[-.85, -.05]	89
Athlete-coach relationship quality	4	856	.63	.14	.13	.69	.16	.15	[.44, .94]	[.45, .93]	87
Coach controlling behavior	38	12,549	-.29	.15	.14	-.37	.19	.18	[-.44, -.31]	[-.60, -.14]	83
Competence support	16	4,978	.62	.17	.16	.76	.21	.20	[.65, .88]	[.49, 1.00]	90
Structure	8	2,162	.60	.13	.12	.74	.16	.15	[.60, .88]	[.53, .95]	83
Relatedness support	23	8,754	.61	.21	.17	.86	.29	.24	[.73, .98]	[.54, 1.00]	67
Involvement	4	907	.69	.09	.07	.86	.11	.09	[.69, 1.00]	[.72, 1.00]	64
Autonomy thwarting	4	939	-.35	.34	.33	-.41	.40	.39	[-1.00, .22]	[-1.00, .23]	96
Competence thwarting	5	1,369	-.21	.34	.34	-.26	.41	.40	[-.76, .25]	[-.87, .36]	97
Relatedness thwarting	6	1,426	-.26	.35	.34	-.33	.43	.42	[-.78, .12]	[-.95, .29]	96
<i>Athlete Demographics</i>											
Age	6	804	-.11	.09	.03	-.12	.10	.03	[-.22, -.02]	[-.16, -.08]	8
Experience	3	445	-.00	.06	.00	-.00	.06	.00	[-.16, .16]	[-.00, -.00]	0

Note: *k* number of studies in the analysis, *N* combined number of participants, *r* sample size weighted mean observed correlation, *SD_r* observed standard deviation of correlations, *SD_{res}* = residual standard deviation of correlations after accounting for sampling error and measurement error, ρ estimate of the true score correlation, *r_c* = observed standard deviation of corrected correlations (*r_c*), *SD_ρ* standard deviation of estimated true score correlation, CI confidence interval, CV credibility interval, *I*² variance not attributable to sampling and measurement error. Correlations corrected using artifact distributions.

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