

Supplementary Material

Preliminary analysis

Ryff's Psychological Well-Being Scale (Ryff, 1989; Ryff & Keyes, 1995), RPWB-S

Factor	M (SD)	McDonald ω
Self-acceptance	9.49 (1.31)	.529
Positive relationship with others	9.92 (1.55)	.588
Autonomy	9.31 (1.52)	.459
Purpose in Life	9.46 (1.70)	.476
Personal Growth	9.99 (1.34)	.409
Environmental mastery	9.18 (1.56)	.430

Table 1 - Factor scores for RPWB-S and McDonald Omega

	N	M (SD)	Skewness	Kurtosis
PSYWB1	415	3,10 (.62)	-,314	,120
PSYWB2	412	3,16 (.66)	-,239	,120
PSYWB3	411	1,79 (.70)	,534	,120
PSYWB4	411	3,27 (.68)	-,580	,120
PSYWB5	412	1,43 (.73)	1,650	,120
PSYWB6	410	3,40 (.62)	-,640	,121
PSYWB7	414	3,16 (.56)	-,073	,120
PSYWB8	410	1,93 (.81)	,780	,121
PSYWB9	412	1,75 (.81)	,936	,120
PSYWB10	415	3,04 (.69)	-,481	,120
PSYWB11	414	3,23 (.64)	-,472	,120
PSYWB12	412	2,82 (.81)	-,320	,120
PSYWB13	413	3,08 (.69)	-,538	,120
PSYWB14	407	1,91 (.74)	,647	,121
PSYWB15	411	3,14 (.91)	-,867	,120
PSYWB16	412	3,33 (.67)	-,800	,120
PSYWB17	416	3,31 (.70)	-,645	,120
PSYWB18	415	1,85 (.79)	,688	,120
PSYWB5R	412	3,57 (.73)	-1,650	,120
PSYWB8R	410	3,07 (.81)	-,780	,121
PSYWB9R	412	3,25 (.81)	-,936	,120
PSYWB14R	407	3,09 (.74)	-,647	,121
PSYWB18R	415	3,15 (.79)	-,688	,120
PSYWB3R	411	3,21 (.70)	-,534	,120

Table 2 - Item distribution for RPWB-S

Model	χ^2 (df)	RMSEA	CFI	WRMR
18-items, 6 factors	262.285 (120)	.053	.880	1.069
15-items, 5 factors	186.296 (80)	.057	.901	1.038
12-items, 4 factors	100.635 (48)	.051	.924	.912

Table 3 - CFA results for the RPWB-S tested models

Factor correlations 12 items, 4 factors	1	2	3	4
Self-acceptance	1			
Positive relationship with others	.305***	1		
Autonomy	.256**	.201*	1	
Purpose in Life	.535***	.215**	.605***	1

* $p < .05$, ** $p < .01$, *** $p < .001$

Table 4 - Factor correlation for RPWB-S final model 12 items, 4 factors solution

Coach – Athlete Relationship Questionnaire (Jowett, 2004), C-ARQ

Factor	M (SD)	ω
Commitment	3.46 (.86)	.800
Closeness	4.03 (.78)	.836
Complementarity	3.75 (.76)	.782

Table 5 - Factor scores for C-ARQ and McDonald Omega

	N	M (SD)	Skewness	Kurtosis
ALL1	412	3,77 (1.06)	-,878	,120
ALL2	411	3,35 (1.02)	-,370	,120
ALL3	412	3,99 (.92)	-1,064	,120
ALL4	413	3,95 (.96)	-,858	,120
ALL5	410	3,62 (1.02)	-,467	,121
ALL6	412	3,68 (.99)	-,544	,120
ALL7	413	4,45 (.86)	-1,766	,120
ALL8	409	3,42 (1.0)	-,272	,121
ALL9	413	3,79 (.94)	-,658	,120
ALL10	412	3,97 (.97)	-,895	,120
ALL11	410	3,56 (1.1)	-,605	,121

Table 6 - Item distribution for C-ARQ

Factor	χ^2 (df)	RMSEA	CFI	SRMR
Commitment				
Closeness	136.473 (41)	.075	.940	.043
Complementarity				

Table 7 - CFA results for the C-ARQ

Factor correlations	1	2	3
Commitment	1		
Closeness	.931**	1	
Complementarity	.971**	.961**	1

p < .05, ** p < .01, * p < .001*

Table 8 - Factor correlations for C-ARQ

Peer Motivational Climate in Youth Sport Questionnaire (Ntoumanis & Vazou, 2005), PMCYS-Q

Factor	M (SD)	McDonald ω
Improvement	3.49 (.74)	.760
Relatedness support	3.59 (.77)	.749
Effort	3.79 (.67)	.755
Intra team competition	3.29 (.69)	.664
Intra team conflict	2.82 (.86)	.748

Table 9 - Factor scores for PMCYS-Q and McDonald Omega

	N	M (SD)	Skewness	Kurtosis
PeMC1	410	3,57 (1.0)	-,429	,121
PeMC2	408	3,55 (.91)	-,338	,121
PeMC3	409	3,75 (.91)	-,550	,121
PeMC4	408	3,62 (1.0)	-,476	,121
PeMC5	410	2,72 (1.1)	,440	,121
PeMC6	408	3,45 (.96)	-,241	,121
PeMC7	411	3,72 (.96)	-,483	,120
PeMC8	410	4,06 (.83)	-,664	,121
PeMC9	410	3,46 (.99)	-,253	,121
PeMC10	410	2,95 (1.1)	,129	,121
PeMC11	410	3,66 (1.0)	-,432	,121
PeMC12	410	3,48 (.98)	-,262	,121
PeMC13	412	4,09 (.86)	-,756	,120
PeMC14	408	3,37 (1.1)	-,243	,121
PeMC15	407	3,09 (1.0)	-,021	,121
PeMC16	406	3,32 (.96)	-,136	,121
PeMC17	403	3,62 (.97)	-,415	,122
PeMC18	404	3,45 (.95)	-,323	,121
PeMC19	406	2,53 (1.2)	,466	,121
PeMC20	405	2,60 (1.1)	,387	,121
PeMC21	405	3,46 (1.0)	-,344	,121

Table 10 - Item distribution for PMCYS-Q

Model	χ^2 (df)	RMSEA	CFI	SRMR	AIC	BIC
5 factors	458.705 (179)	.062	.873	.079	22047.946	22341.481
4 factors	357.618 (129)	.066	.863	.080	19322.813	19564.074
4 factors + correlations among items 1-3; 16-1; 17-16; 20-19; 20-5; 16-6; 20-10	220.649 (122)	.044	.941	.069	19162.055	19431.464

p < .05, ** p < .01, * p < .001*

Table 11 - CFA results for the PMCYS-Q

Factor correlations	1	2	3	4
Improvement	1			
Effort	.938***	1		
Intra-team competitiveness	.334***	.419***	1	
Intra-team conflict	-.800	-.068	.608***	1

p < .05, ** p < .01, * p < .001*

Table 12 - Factor correlations for PMCYS-Q

Parent-Initiated Motivational Climate (White, Duda & Hart, 1992), PIMC-Q

Factor	M (SD)	ω
Learning/Enjoyment climate father	3.81 (.56)	.544
Worry Conductive climate father	3.37 (.67)	.584
Success without effort climate father	2.34 (.69)	.661
Learning/Enjoyment climate mother	3.82 (.60)	.646
Worry Conductive climate mother	3.46 (.71)	.619
Success without effort climate mother	2.40 (.81)	.737

Table 13 - Factor scores for PIMC-Q and McDonald Omega

	N	M (SD)	Skewness	Kurtosis
PIMC_P1	409	4,40 (.79)	-1,375	,121
PIMC_P2	409	4,01 (.97)	-,857	,121
PIMC_P3	405	2,99 (1.01)	,043	,121
PIMC_P4	405	4,12 (.79)	-,886	,121
PIMC_P5	407	3,71 (1.05)	-,700	,121
PIMC_P6	403	2,79 (.94)	,101	,122
PIMC_P7	407	3,79 (.96)	-,648	,121
PIMC_P8	405	3,58 (1.2)	-,474	,121
PIMC_P9	403	1,76 (.97)	1,366	,122
PIMC_P10	405	3,55 (1.01)	-,450	,121
PIMC_P11	403	2,84 (1.18)	,179	,122
PIMC_P12	397	3,16 (1.02)	-,103	,122

PIMC_P13	405	2,72 (1.06)	,318	,121	-,563	,242
PIMC_P14	401	1,85 (.98)	1,225	,122	1,132	,243
PIMC_M1	401	4,47 (.78)	-1,797	,122	3,934	,243
PIMC_M2	399	4,12 (1.00)	-1,073	,122	,591	,244
PIMC_M3	395	2,95 (1.08)	,103	,123	-,580	,245
PIMC_M4	400	4,15 (.84)	-1,022	,122	1,187	,243
PIMC_M5	396	3,81 (1.06)	-,643	,123	-,390	,245
PIMC_M6	397	2,74 (1.04)	,213	,122	-,489	,244
PIMC_M7	397	3,62 (1.00)	-,600	,122	-,115	,244
PIMC_M8	398	3,62 (1.12)	-,606	,122	-,636	,244
PIMC_M9	395	1,99 (1.11)	1,082	,123	,421	,245
PIMC_M10	397	3,71 (.94)	-,478	,122	-,070	,244
PIMC_M11	392	2,92 (1.2)	,060	,123	-,923	,246
PIMC_M12	390	3,22 (1.0)	-,133	,124	-,406	,247
PIMC_M13	394	2,86 (1.1)	,057	,123	-,732	,245
PIMC_M14	393	1,98 (1.08)	1,128	,123	,649	,246

Table 14 - Item distribution for PIMC-Q

Model	χ^2 (df)	RMSEA	CFI	SRMR	AIC	BIC	Sample BIC
3 factors each parent	676.112 (321)	.052	.886	.082	28431.729	28887.467	28528.888
2 factors each parent	282.513 (154)	.045	.934	.062	20429.485	20736.000	20494.831

Table 15 - CFA results for the PIMC-Q

Factor correlations	1	2	3	4
Learning/Enjoyment climate father	1			
Worry Conductive climate father	.521***	1		
Learning/Enjoyment climate mother	.655***	.433***	1	
Worry Conductive climate mother	.329***	.729***	.536***	1

* $p < .05$, ** $p < .01$, *** $p < .001$

Table 16 - Factor correlations for PIMC-Q

Structural Equation Model results

Factor	M (SD)
Coach Commitment	3.45 (.86)
Coach Closeness	4.03 (.78)
Coach Complementarity	3.75 (.76)

Team Improvement	3.49 (.74)
Team Effort	3.79 (.66)
Intra-Team Competitiveness	3.30 (.68)
Intra-Team Conflict	2.82 (.86)
Learning/enjoyment climate (father)	3.80 (.56)
Learning/enjoyment climate (mother)	3.82 (.60)
Worry Conductive climate (father)	3.37 (.67)
Worry Conductive climate (mother)	3.46 (.71)
Self-acceptance	3.16 (.43)
Positive relationship	3.30 (.51)
Autonomy	3.10 (.50)
Meaning in life	3.15 (.56)

Table 17 – Factor scores

One-way Analysis of Variance on competitive levels of players

	G1 Elite		G2 Sub-elite		G3 Amateurs	
	M	SD	M	SD	M	SD
PWB_composite	9.85	.85	9.56	.94	9.31	.94
PWB_autonomy	9.72	1.49	9.37	1.46	8.87	1.51
PWB_meaning	9.95	1.36	9.50	1.85	8.95	1.65
PWB_self-acceptance	9.75	1.25	9.41	1.32	9.35	1.31
PWB_positive relation	9.93	1.47	9.93	1.51	9.91	1.68
PARENT_worry	3.55	.58	3.46	.62	3.25	.70
PARENT_learn	3.91	.48	3.87	.49	3.68	.60
COACH_composite	3.72	.67	3.85	.64	3.63	.89
COACH_closeness	4.10	.64	4.14	.70	3.84	.95
COACH_complementarity	3.67	.69	3.88	.68	3.67	.90
COACH_committment	3.40	.85	3.54	.79	3.43	.94
TEAM_learning	3.51	.68	3.49	.78	3.47	.76
TEAM_effort	3.87	.60	3.79	.68	3.72	.71
TEAM_intra-compet	3.15	.62	3.33	.67	3.41	.75
TEAM_intra-conflict	2.63	.70	2.79	.96	3.05	.85

Table 18 - One Way ANOVA results

<i>PWB composite</i>	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>p.</i>
Between groups	2	17.852	8.926	11.079	.001
Within groups	378	318.266	.842		
Total	380	336.118			

Table 19 - One Way ANOVA results for PWB composite

<i>PWB Autonomy</i>	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>p.</i>
Between groups	2	44.205	22.102	9.714	.001
Within groups	394	875.805	2.223		
Total	396	920.010			

Table 20 - One Way ANOVA results for Autonomy

<i>PWB Meaning</i>	<i>Df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>p.</i>
Between groups	2	61.421	30.711	13.321	.001
Within groups	401	1105.161	2.756		
Total	403	1166.582			

Table 21 - One Way ANOVA results for Meaning

<i>Parent Worry</i>	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>p.</i>
Between groups	2	5.259	2.629	6.463	.002
Within groups	367	149.308	.407		
Total	369	154.566			

Table 22 - One Way ANOVA results for Parental Worry

<i>Parent Learning</i>	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>p.</i>
Between groups	2	3.469	1.735	6.174	.002
Within groups	367	103.120	.281		
Total	369	106.590			

Table 23 - One Way ANOVA results for Parental Learning

<i>Coach Closeness</i>	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>p.</i>
Between groups	2	7.228	3.614	6.041	.003
Within groups	408	244.090	.598		
Total	410	251.318			

Table 24 - One Way ANOVA results for Coach Closeness

<i>Intra team conflict</i>	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>p.</i>
Between groups	2	11.122	5.561	7.601	.001
Within groups	399	291.915	.732		
Total	401	303.036			

Table 25 - One Way ANOVA results for Intra Team Conflict